

New Zealand Department of Scientific and Industrial Research
GEOPHYSICS DIVISION

NEW ZEALAND
SEISMOLOGICAL
REPORT
1969

SEISMOLOGICAL OBSERVATORY BULLETIN
E - 153



A. R. SHEARER, GOVERNMENT PRINTER, WELLINGTON, NEW ZEALAND-1975

SEISMOLOGICAL OBSERVATORY, WELLINGTON,
NEW ZEALAND.

ALL measurement and interpretation of records is carried
out at the central station in Wellington. Communications
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Observer: I. Lynne.

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INTRODUCTION

No important changes in form or content have been introduced in the Report for 1969, except for the identification of felt earthquakes in the list of local origins, and of phase readings reported but not included in the origin calculations.

As the result of extensive reorganisation of the work of record reading and origin determination, the Report for 1971 has already appeared and that for 1972 is ready for the press. Readings of distant earthquakes in 1970 have been supplied to international data centres, and epicentres of local earthquakes for 1970 November and December are available. Seismologists urgently requiring New Zealand data in the intervening period are advised to consult the Observatory, as sections of the material may be available in manuscript. Definitive epicentres of current earthquakes are now available within about six weeks of their occurrence, and these Reports are ready for printing by about the middle of the following year.

STATIONS OF THE NEW ZEALAND NETWORK

THE NETWORK IN 1969

At the end of 1969, the New Zealand seismograph network comprised 34 stations, covering the two main islands of New Zealand proper, and extending over the south-west Pacific from Samoa, Fiji and Rarotonga to the Antarctic. The stations are of two kinds, one having short-period instruments intended to record shocks originating within about 1000 km, and the other having long-period instruments designed to provide information about distant earthquakes and the physical condition of the Earth. These functions interlock, and every seismograph gives information of use in both fields.

Several new stations began operating during the year. Advantage was taken of the establishment of a small scientific base near Lake Vanda in the Wright Valley of Antarctica to install a short-period seismograph. It was hoped that this would help to elucidate the nature of small local movements appearing on the records at Scott Base, and perhaps to reveal some minor local seismic activity. The records have been read only for events of particular interest, or at times when Scott Base records were poor or temporarily interrupted. The station began operating in the middle of January and continued throughout the year.

The site of the former station at Hallett was re-occupied with a portable Willmore seismograph from November 1969 to January 1970, but summer microseisms prevented the detection of any events other than a few large teleseisms.

New short-period stations were established at Taradale, in central Hawkes Bay (in March), and at Oamaru, in northern Otago (in October), as part of the normal improvement of network coverage. A third station, Christchurch, is at the Canterbury Museum, and has a pen-writing recorder on display to the public. Although it is intended primarily for educational purposes, it has full timing facilities, and readings of important local shocks can at once be telephoned to the Observatory in Wellington. The site is within about half a kilometre of the instrument vaults of the original Christchurch station at the Magnetic Observatory in the Botanic Gardens, discontinued when the station at Gebbies Pass was established in 1956. The new station began operating in July.

The station at Gisborne was improved by the addition of two horizontal components late in March, and at Chateau a new galvanometer was fitted and recalibration carried out.

In June, the short-period instrument at Castlepoint had to be dismantled to permit the installation of the three-component Sprengnether instruments for which the buildings were originally intended. They will primarily be used for surface-wave studies.

Throughout the year, the station at Suva was affected by timing and other instrumental troubles. As a result there are serious gaps in the continuity of the records.

STATION POSITIONS

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INDEX OF STATION POSITIONS

STN	LATITUDE			LONGITUDE			ALT M	GEOCENTRIC DIRECTION COSINES				
	D	M	S	D	M	S		A	B	C		
AFI	13	54	34	S	171	46	38	W	706	-0,961 070	-0,138 881	-0,238 865
API	13	48	26	S	171	46	30	W	2	-0,961 482	-0,138 979	-0,237 142
AUC	36	51	36	S	174	46	41	E	79	-0,798 711	+0,072 996	-0,997 271
CAZ	40	54	15	S	176	13	34	E	6	-0,756 343	+0,049 889	-0,652 270
CBZ	52	33	03	S	169	09	33	E	30	-0,999 744	+0,114 849	-0,791 907
CHR	43	31	58	S	172	37	36	E	8	-0,721 282	+0,093 336	-0,686 324
CIZ	43	57	18	S	176	33	56	W	48	-0,720 923	-0,043 266	-0,691 663
CNZ	39	12	00	S	175	32	91	E	1116	-0,774 682	+0,060 322	-0,629 467
COB	41	05	16	S	172	44	02	E	213	-0,749 824	+0,095 603	-0,654 694
CRZ	34	25	55	S	172	40	47	E	140	-0,819 834	+0,105 317	-0,962 833
ECZ	37	41	37	S	178	32	46	E	40	-0,793 026	+0,020 126	-0,608 855
GBZ	36	13	04	S	175	28	52	E	70	-0,806 157	+0,063 712	-0,988 262
GNZ	38	38	39	S	178	01	21	E	30	-0,782 622	+0,027 021	-0,621 911
GPZ	43	41	47	S	172	38	40	E	225	-0,719 365	+0,092 861	-0,688 397
KAI	42	31	33	S	171	24	31	E	82	-0,730 944	+0,110 432	-0,673 443
KRP	37	55	30	S	175	32	18	E	64	-0,788 423	+0,061 530	-0,612 049
MJZ	43	59	14	S	170	27	58	E	1000	-0,711 861	+0,119 557	-0,692 069
MNG	40	37	07	S	175	28	59	E	396	-0,758 859	+0,059 963	-0,648 488
MNH	43	46	49	S	167	37	07	E	155	-0,683 348	+0,150 054	-0,714 315
MSZ	44	40	14	S	167	53	01	E	38	-0,697 720	+0,149 361	-0,700 627
OMZ	45	04	14	S	170	54	33	E	95	-0,699 729	+0,111 893	-0,705 591
ONE	35	46	33	S	174	21	43	E	30	-0,809 242	+0,079 881	-0,982 020
RAO	29	15	1	S	177	55	1	W	110	-0,873 304	-0,031 742	-0,486 140
RAR	21	12	45	S	159	46	24	W	25	-0,875 924	-0,322 592	-0,359 711
ROX	45	28	33	S	169	19	13	E	106	-0,691 423	+0,130 391	-0,710 586
SBA	77	51	01	S	166	45	22	E	38	-0,206 194	+0,048 929	-0,977 307
SUV	18	08	56	S	178	27	26	E	6	-0,950 524	+0,025 599	-0,309 595
TNZ	39	11	14	S	174	22	49	E	123	-0,773 432	+0,076 103	-0,629 294
TRZ	39	33	12	S	176	49	17	E	17	-0,771 946	+0,042 868	-0,634 241
TUA	38	48	29	S	177	09	02	E	274	-0,780 343	+0,038 839	-0,624 145
VND	77	31	26	S	161	40	19	E	150	-0,206 396	+0,068 371	-0,976 077
WEL	41	17	10	S	174	46	06	E	122	-0,750 486	+0,068 717	-0,687 304
WNZ	38	37	53	S	176	06	10	E	350	-0,781 415	+0,053 292	-0,621 736
WPZ	46	39	37	S	168	50	59	E	15	-0,675 767	+0,133 195	-0,724 982

THREE-LETTER STATION CODES

Throughout the tabular sections of this Report, stations are identified by the international three-letter code abbreviations allotted by the U.S. Coast and Geodetic Survey. Codes for stations of the New Zealand network are listed below: -

Afihamalu	API	Gebbies Pass	GPZ	Rarotonga	RAR
Apia	API	Gisborne	GNZ	Roxburgh	ROX
Auckland	AUC	Great Barrier	GBZ	Scott Base	SEA
Campbell Island	CBZ	Kaimata	KAI	Suva	SUV
Cape Reinga	CRZ	Karapiro	KRP	Taradale	TRZ
Castlepoint	CAZ	Mangahao	MNG	Tarata	TNZ
Chateau	CNZ	Milford Sound	MSZ	Tuai	TUA
Chatham Islands	CIZ	Monowai	MNW	Vanda	VND
Christchurch	CHR	Mount John	MJZ	Waipapa Point	WPZ
Cobb River	COB	Oamaru	OMZ	Wairakei	WNZ
East Cape	ECZ	Onerahi	ONE	Wellington	WEL
		Raoul Island	RAO		

TIMING ARRANGEMENTS

The Seismological Observatory is administratively responsible for the New Zealand Time Service, which broadcasts 15 sets of time-signals daily through the stations of the New Zealand Broadcasting Corporation. These signals, whose error seldom exceeds 20 msec, are automatically impressed upon the records at all stations within New Zealand. The arrangements used have been described by B.H.Olsson (N.Z. Journal of Science and Technology, Vol. 37B, pp. 115-8, 1955 Sep.). Minute marks are derived in most cases from a quartz crystal clock, the remaining stations having an electric pendulum clock of the Synchronome type. Stations of the World-Wide Standard Seismograph Network have the timing arrangements usual at such stations. At Suva, the operator records several time-signals a day by depressing a hand-key when the signal is heard.

INSTRUMENTATION AND LITHOLOGY

Stations are listed in the alphabetical order of their international three-letter code designations. Pendulum and galvanometer periods To and Tg are given in seconds. The damping of electromagnetic instruments, when not listed, may be assumed to be critical. Magnifications listed are for the period of maximum response.

Instrument	Compt	To	Tg	Damping	Magnification
API AFIAMALU					
World-Wide Standard Station.					
Foundation: Basaltic lava flows.					
Benioff	ZNE	1.0	0.75		12,500 at 1.0 sec
Press-Ewing	ZNE	15	100		750 at 15 sec
API APIA					
Foundation: Coral sand on Recent and Pleistocene basalt.					
Willmore I (Photo-cell amplifier used with pen-and-ink recorder)					
	Z	0.7	0.5		
AUC AUCLAND					
Foundation: Volcanic beds on Tertiary sandstone and mudstone.					
Willmore I (Photo-cell amplifier used with pen-and-ink recorder)					
	Z	1	2		7,600 at 0.8 sec
CAZ CASTLEPOINT					
The Willmore short-period instrument, with paper speed 30 mm/min, operated until June 3, when the Sprengnether instruments were installed. Constants for these are nominal only.					
Foundation: Mudstone.					
Willmore I	Z	1	0.25		2,900 at 0.25 sec
Sprengnether	ZNE	15	100		150
CBZ CAMPBELL ISLAND					
Foundation: Basalt.					
Willmore II	Z	1	0.25		5,000 at 0.25 sec
CHR CHRISTCHURCH					
Foundation: Alluvial sands, silts, and gravel.					
Willmore I (Photo-cell amplifier used with pen-and-ink recorder)					
	Z	1	0.5		4,700 at 0.6 sec (max.)
CIZ CHATHAM ISLAND					
Foundation: Clay over basalt.					
Willmore II	Z	1.0	0.25		4,440 at 0.2 sec
	N	1.0	0.25		5,110 at 0.2 sec
	E	1.0	0.25		4,400 at 0.2 sec
CNZ CHATEAU					
Foundation: Volcanic ash and lava.					
Willmore I	Z	1.0	0.25		41,900 until March 4 44,980 after March 4
COB COBB RIVER					
Foundation: Schist.					
Willmore II	Z	1.0	0.25		27,450
CRZ CAPE REINGA					
Foundation: Cretaceous basic volcanics.					
Willmore II	Z	1.0	0.25		9,345 at 0.25 sec
	N	1.0	0.25		10,200 at 0.20 sec
	E	1.0	0.25		9,785 at 0.20 sec

ECZ	EAST CAPE					
	Foundation:	Mudstone and sandstone.				
	Willmore II	Z	1.0	0.25	5,200	at 0.3 sec
GBZ	GREAT BARRIER					
	Foundation:	Tertiary volcanics.				
	Willmore II	Z	1.0	0.25	3,770	at 1.0 sec
GNZ	GISBORNE					
	Foundation:	Alluvium on Tertiary mudstone.				
	Willmore II	Z	1.0	0.25	17,900	at 0.25 sec (until March 20)
		Z	1.0	0.25	23,970	at 0.25 sec
		N	1.0	0.25	25,550	at 0.2 sec
		E	1.0	0.25	26,107	at 0.2 sec (from March 20)
GPZ	GEBBIES PASS					
	Foundation:	Rhyolite.				
	Wood-Anderson	N	0.8		crit.	2,800
KAI	KAIMATA					
	Foundation:	Moraine and river gravels over Tertiary mudstone and sandstone.				
	Wood-Anderson	X	0.8		crit.	2,800
	This instrument is oriented so that the X-component lies north-east.					
KRP	KARAPIRO					
	Foundation:	Greywacke.				
	Benioff	Z	1.0	0.25	36,500	at 0.3 sec
		N	1.0	0.25	12,200	at 1.0 sec
		E	1.0	0.25	43,200	at 0.5 sec
MJZ	MOUNT JOHN					
	Foundation:	Greywacke.				
	Willmore II	Z	1.0	0.25	30,480	at 0.25 sec
		N			43,600	at 0.25 sec
		E			41,050	at 0.25 sec
MNG	MANGAHAO					
	Foundation:	Greywacke.				
	Willmore II	Z	1.0	0.25	48,600	at 0.3 sec
MNW	MONOWAI					
	Foundation:	Tertiary sandstone.				
	Willmore II	Z	1.0	0.25	28,800	at 0.25 sec
MSZ	MILFORD SOUND					
	Foundation:	Gneiss.				
	Willmore II	Z	1	0.25	52,650	at 0.25 sec
OMZ	OAMARU					
	Foundation:	Recent deposits overlying Tertiary limestone.				
	Willmore II	Z	1.0	0.2	9,355	at 0.2 sec (installed October 16)

ONE	ONERAHI					
	Foundation:	Basalt.				
	Wood-Anderson	E	0.8		crit.	2,800
RAO	RAOUL ISLAND					
	Foundation:	Volcanic rock.				
	Willmore II	Z	1.0	0.25	4,800	at 0.25 sec
RAR	RAROTONGA					
	World-Wide Standard Station.					
	Foundation:	Basalt.				
	Benioff	ZNE	1.0	0.75	6,250	at 1 sec
	Press-Ewing	ZNE	15	100	375	at 15 sec
ROX	ROXBURGH					
	Foundation:	Chlorite schist.				
	Willmore I	Z	1.0	0.25	12,100	at 0.25 sec
	Galitzin	Z	12	12	200	approximately
		NE	24	24	300	approximately
SBA	SCOTT BASE					
	World-Wide Standard Station.					
	Foundation:	Frozen basaltic debris resting on lava-flows.				
	Benioff	ZNE	1.0	0.75	6,250	(summer)
					25,000	(winter)
	Press-Ewing	ZNE	30	100	750	(summer)
					1,500	(winter)
SUV	SUVA					
	Foundation:	Hard fine-grained calcareous marl.				
	Willmore II	Z	1.0	0.25	6,500	at 0.2 sec (until Sep 25)
					13,000	at 0.2 sec (from Sep 25)
TNZ	TARATA					
	Foundation:	Pleistocene mudstone.				
	Willmore II	Z	1.0	0.25	7,000	at 0.2 sec
TRZ	TARADALE					
	Foundation:	Quaternary sands and silts overlying Tertiary limestone.				
	Willmore II	Z	1.0	0.25	7,740	at 0.25 sec (until April 9)
					5,545	at 0.25 sec (from August 26)
	Between April 9 and August 6, the station was operated at a reduced magnification (uncalibrated), because of interference from drilling operations near the site.					
TUA	TUAI					
	Foundation:	Thick Tertiary sandstone and mudstone.				
	Willmore II	Z	1.0	0.25	7,500	at 0.2 sec

VND VANDA

Foundation: Granite gneiss intruded by quartz porphyry dykes.

Willmore II	Z	1	0.25	17,000 at 0.2 sec (until Feb. 7) 50,000 at 0.2 sec (from Feb. 7)
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WEL WELLINGTON

World-Wide Standard Station.
Foundation: Greywacke.

Benioff	ZNE	1.0	0.75	6,250 at 1.0 sec
Press-Ewing	ZNE	15	100	750 at 15 sec
Willmore II	Z	1.0	0.25	22,750 at 0.20 sec
Wood-Anderson	NE	0.8		crit. 1,400
Imamura	Z	1		5:1 1
	NE	4		5:1 1

The Willmore Z instrument is operated at the bottom of a borehole approximately 60 metres deep.

WNZ WAIRAKEI

Foundation: Pumice breccia.

Willmore I	Z	1.0	0.25	300 (approximately)
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WPZ WAIPAPA POINT

Foundation: Sand overlying Jurassic sediments.

Willmore II	Z	1	0.25	3,000 at 0.2 sec
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EARTHQUAKES IN THE NEW ZEALAND REGION

PRINCIPAL EARTHQUAKES IN 1969

In 1969, the number of earthquakes for which an origin has been determined is greater than normal, but the year is marked by an absence of large events. It is the first year since 1958 in which no shallow shock reached magnitude 6 within New Zealand proper. This is in marked contrast with the previous year, when the Inanganua earthquake of magnitude 7.0 (Origin 68/269) occurred on May 23, and was followed by many hundreds of aftershocks continuing into the present year and producing the cluster of epicentres near 42°S 172°E (Map 1). Among these aftershocks was the only shallow earthquake of note, a magnitude 5.0 event on September 5 (Origin 69/518). The highest intensity reported was MM5, at Westport. The felt area was limited to northern Westland and west Nelson. Apart from this concentration and the absence of shocks in Northland, shocks have been spread more evenly than usual over the full extent of the active regions, including the central part of the South Island.

The largest shallow earthquake reported (Origin 69/615) had a magnitude of 6.5. It occurred on October 3, and was centred more than 500 km to the north east of East Cape. A single felt report, of unstated intensity, was received from Maungataniwha in an isolated part of central Hawkes Bay. Because of the quality of the instrumental data, the computer was constrained to yield a shallow focal depth, but the possibility of deep focus cannot be excluded.

There were four large shocks assigned depths over 400 km in this general region. The first, on January 31 (Origin 69/62), was the largest, with a magnitude of 6.7 and a depth of 485 km. The others, on December 9, 17, and 20 (Origins 69/796, 69/822, and 69/826) had magnitudes 6.0, 6.3 and 6.0, and depths of 438, 486, and 531 km respectively. None of these was reported felt. That on December 9 has been assigned a shallow focus by international agencies.

The slightly smaller shock on November 25 (Origin 69/773, magnitude 5.9) with a depth of 248 km, centred about 150 km north of the eastern Bay of Plenty, produced a single felt report from Maungataniwha.

Two deep shocks in the central North Island were widely felt, though with only moderate intensities. The first, on May 23 (Origin 69/288) had a magnitude of 5.7 and a focal depth of 109 km, and was centred about 20 km west of Taihape. Its felt area covered the central North Island, and extended southwards to include Wellington City and Collingwood in west Nelson. The second of these events, on October 17 (Origin 69/644) was slightly larger (magnitude 5.8), but had the substantially greater focal depth of 213 km. Its centre was close to Taumarunui and its felt effects broadly similar. Intensities nowhere exceeded MM5 in either shock.

In the Fiordland Seismic Region, the concentration of deep-focus activity in the vicinity of Lake Te Anau continues. The largest shock in this area was on January 2 (Origin 69/008). Its magnitude was 5.5 and its focal depth 129 km. It was widely felt throughout Otago and Southland, with maximum intensities of about MM5.

A number of shocks merit discussion on account of their position. The isolated shallow shock west of the Hauraki Gulf (Origin 69/206, magnitude 3.3) was felt in Auckland city with intensity MM4. Although shocks in this region are uncommon, they have been recorded previously, for example on 1966 Jan 29 and Feb 20 (Origins 66/085 and 66/046). The distances between the three epicentres are probably less than their uncertainty in position. Later

in 1966, a further group of origins was placed about 20 km further south (Origins 66/267, 268 and 269). They were all small, with magnitudes close to 3.

Although the small shock at 42°S 177°E on November 24 (Origin 69/770) has been formally assigned a depth of 77 km, the uncertainty is large, in view of the distance and restricted range of azimuth of the stations recording it. No tectonic significance should therefore be attributed to it. Similar caution should be exercised in regard to the Wairarapa shock of October 29 (Origin 69/670). Depths greater than normal have previously been assigned to shocks in this region, including the magnitude 7 shock on 1942 August 1, but the depths assigned have more usually been about half the 92 km suggested in this case. The seismograms show a number of unexplained phases, and no S can be read at Mangahao. The shock south of Cape Kidnappers on March 24 (Origin 69/178), to which a depth of 56 km has been assigned, although not so clearly anomalous, is also subject to a large uncertainty.

The conspicuous group of shallow shocks off the west coast of northern Taranaki (Origins 69/21, 146, 455 and 760) cannot be considered unusual, though the region has frequent quiescent periods. The shock off the mouth of the Waikato River on 1891 June 23, which reached damaging intensity in Auckland, Raglan, and Kawhia, and the small shock west of the Hauraki Gulf (Origin 69/206) possibly indicate the northward continuation of this system.

Similar remarks apply to the shocks of eastern Otago, which should probably be assigned to the Central Seismic Region (Origins 69/129, 189, 565 and 646). These are again in a region known to be active, but it is unusual for the shocks in a single year to be so widely scattered.

The smaller shallow shocks present few unusual features. Several of them produced intensities of MM5 over restricted areas, but only that on February 23 (Origin 69/121, magnitude 4.8) resulted in damage. This was slight, and confined to the Gisborne district. The other main events were on January 12 (Origin 69/031, magnitude 4.7) felt over southern Hawke's Bay and Wellington province, with maximum intensity MM5 at Masterton; March 11 (Origin 69/157) an Inangahua aftershock of magnitude 4.8 with similar effects to the slightly larger shock on September 5 already mentioned; March 26 (Origin 69/182, magnitude 4.8), felt throughout southern Hawke's Bay; and on April 15 (Origin 69/207, magnitude 4.2) felt on both sides of Cook Strait.

On June 22 an eruption of ash and mud from Mount Ruapehu occasioned some local alarm, but there was little associated seismic activity.

INSTRUMENTALLY DETERMINED ORIGINS

The following chronological list of the origins of New Zealand earthquakes is a summary of the determinations included in the next section of the Report, in which the detailed readings for each recording station are given. The Reference Number allocated in the first column of this list is used to identify the same shock in other sections of the Report. An asterisk following the number indicates that the shock has been felt. Details of felt intensity are listed in a separate section. Date, origin time, latitude and longitude should be self-explanatory. Focal depths are given in kilometres, but it should be noted that when shocks are within the crust, the computer is restricted to solutions at depths of 12 or 33 km. The shallower depth is assigned if either of the phases P_g or S_g has been identified, and the greater depth if P* or S* is present without P_g or S_g. Quantities so restricted are identified by the letter R. The magnitude given conforms with Richter's original magnitude scale, and is a mean of all separate determinations shown with the detailed station readings. SE is the standard error of the time residuals (in seconds), of those phases that have been used in obtaining the solution. In cases where the number of readings is exactly the number needed for a formal solution, the letters ND (Not Defined) appear. NUM OBS is the number of separate phase readings used, and NUM STN the number of stations that recorded the shock, whether the readings were used in the epicentre solution or not.

The main list is followed by a short supplementary one containing only those shocks whose small magnitude or unfavourable position has resulted in insufficient data for an epicentre solution by computer. An asterisk following a reference number in the main list indicates that one or more earthquakes in the supplementary list come next in chronological order.

The lists are intended to contain all shocks of magnitude 4.0 and above within the New Zealand region, together with those shocks of lower magnitude or beyond the boundary of the region that have been reported felt. The boundary of the region is taken at approximately 10° from Wellington. Because accurate distance estimates cannot be made until the final stages of the interpretation, the readings of a few local shocks near the boundary will be found only in the "Distant" section of the Report and *vice versa*.

LIST OF ORIGINS

REF	NUM		ORIGIN TIME			LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
			H	M	S							
69/	001*	JAN 01	09	16	19.0	40,64S	173,92E	126	4,5	1,9	12	7
	002	01	12	43	32,2	46,40S	166,69E	12 R	4,7	1,3	20	7
	003*	01	14	08	34,1	39,83S	176,67E	33 R	4,6	0,9	13	10
	004	01	23	01	06,5	39,01S	176,09E	154	4,4	1,8	14	11
	005	02	01	02	26,4	38,01S	176,75E	192	3,9	1,2	7	4
	006	02	04	20	26,2	40,79S	176,56E	33 R	4,0	0,5	10	9
	007	02	07	19	14,6	41,09S	176,75E	12 R	4,1	0,5	10	6
	008*	02	10	25	22,8	45,13S	167,73E	129	5,5	1,6	18	12
	009	02	11	19	04,8	37,68S	177,19E	174	4,4	0,5	11	6
	010	02	14	13	12,4	38,25S	175,97E	180	4,3	1,2	14	9

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
62/ 011	JAN 04 08 22 37,7	42,28S	174,00E	33 R	3,8	1,4	9	6
012	04 08 57 07,0	42,09S	173,90E	12 R	3,9	1,0	18	7
013*	04 16 48 14,1	41,97S	171,94E	12 R	4,9	1,4	25	11
014*	04 19 26 23,5	41,83S	172,02E	12 R	3,7	1,6	12	6
015	05 09 08 22,2	38,57S	175,96E	101	4,1	0,5	7	5
016*	05 19 50 15,6	41,83S	172,00E	12 R	3,6	1,5	8	5
017	06 22 56 01,5	39,87S	174,13E	216	4,7	1,6	15	11
018	07 03 38 53,0	41,44S	172,78E	185	4,1	0,6	9	6
019	07 16 56 54,3	44,61S	167,58E	12 R	4,2	1,7	12	5
020*	09 06 24 44,8	39,24S	173,75E	12 R	4,2	1,3	18	8
021*	09 06 55 09,1	39,08S	173,71E	12 R	5,0	1,2	23	13
022	09 13 40 59,1	40,55S	176,60E	33 R	4,3	1,3	14	6
023	10 05 47 58,5	33,71S	178,75W	272	5,2	0,3	7	4
024*	10 06 57 01,8	41,69S	172,00E	12 R	4,0	0,9	18	8
025	10 09 22 50,3	37,47S	176,51E	247	4,5	0,6	10	6
026	11 17 14 10,7	38,74S	175,92E	141	3,8	1,6	7	6
027	11 22 53 39,5	34,09S	179,22W	262	4,9	0,6	8	5
028	12 01 13 04,3	36,98S	176,86E	312	4,6	0,5	13	8
029	12 07 58 10,8	38,03S	179,33E	94	4,1	1,4	9	7
030	12 11 27 54,8	36,27S	178,10E	273	4,5	0,9	13	9
031*	12 13 15 09,2	40,89S	175,24E	12 R	4,7	1,3	20	13
032*	13 08 46 16,7	38,47S	176,80E	101	4,9	1,6	13	13
033*	13 12 40 52,0	40,87S	174,90E	33 R	3,9	1,3	6	5
034	14 10 11 03,4	38,27S	175,51E	137	3,9	0,3	7	4
035	14 13 07 41,8	33,69S	179,34W	356	4,6	1,8	8	8
036*	16 01 29 49,5	38,66S	176,00E	12 R	3,2	1,1	4	3
037	16 04 11 33,2	40,35S	173,90E	111	4,4	1,2	11	8
038	16 16 56 10,9	37,85S	176,45E	171	3,8	0,5	7	4
039*	19 12 44 30,6	40,53S	175,67E	12 R	4,0	1,3	12	6
040	20 09 17 43,4	37,26S	176,73E	294	4,3	0,9	10	8
041	20 09 20 50,5	41,94S	173,61E	33 R	3,9	0,5	7	5
042	20 18 40 26,8	41,80S	173,10E	33 R	3,8	1,8	9	5
043	23 13 58 28,0	39,66S	174,29E	213	4,0	1,2	10	7
044	23 15 18 02,6	34,44S	179,56E	322	5,3	1,5	16	11
045	23 15 49 12,2	39,77S	174,13E	128	4,1	1,0	11	9
046	23 20 18 38,9	38,41S	176,08E	192	4,2	1,3	11	6
047	25 00 55 59,1	38,22S	176,34E	172	4,8	1,4	20	12
048	25 07 45 41,1	38,67S	175,75E	173	4,9	1,5	22	14
049*	25 08 18 25,2	40,36S	176,74E	33 R	4,3	1,2	17	10
050	25 09 05 16,0	41,37S	172,80E	161	3,9	0,9	8	5
051	26 22 53 21,2	39,90S	176,99E	12 R	4,0	1,2	16	8
052	27 08 25 13,3	37,67S	177,11E	262	4,4	1,4	8	5
053	27 20 43 34,6	38,23S	176,23E	196	4,2	0,8	9	6
054	28 04 44 03,2	42,09S	177,94E	12 R	4,3	2,2	11	9
055*	28 17 40 27,7	41,90S	171,89E	12 R	3,8	1,4	15	6
056	30 06 01 47,7	37,96S	176,49E	189	4,8	1,0	15	11
057	31 02 52 35,7	44,32S	168,22E	12 R	4,2	0,9	14	5
058	31 04 47 00,4	43,33S	170,98E	12 R	3,9	1,3	21	8
059	31 22 07 32,5	39,76S	174,30E	208	4,2	2,2	9	7
060	31 23 08 28,6	44,75S	167,53E	12 R	4,3	1,2	19	7

LOCAL EARTHQUAKE ORIGINS

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
62/ 061	JAN 31 23 15 52,9	44,53S	167,17E	12 R	4,3	1,2	19	7
062	31 23 31 15,3	32,30S	179,92E	485	6,7	1,8	19	12
063	FEB 01 00 32 53,4	40,31S	174,57E	33 R	4,2	1,6	17	10
064*	01 05 38 10	37,5 S	176,5 E	33	3,7			
065*	01 09 23 30	37,5 S	176,5 E	33	3,5			
066*	01 17 48 10		NEAR WAIRAKEI					
067*	01 17 48 55		NEAR WAIRAKEI					
068*	01 17 51 06		NEAR WAIRAKEI					
069*	01 17 52 37		NEAR WAIRAKEI					
070*	01 17 53 27		NEAR WAIRAKEI					
071*	01 17 54 16		NEAR WAIRAKEI					
072*	01 18 13 21		NEAR WAIRAKEI					
073	02 01 28 53,8	38,45S	175,61E	203	4,8	1,4	17	11
074	02 06 33 22,4	37,35S	176,93E	295	4,6	1,1	10	6
075	02 07 02 15,9	45,17S	168,10E	101	4,1	0,2	6	4
076	02 14 06 32,8	38,89S	174,68E	157	4,1	1,4	7	4
077*	02 14 57 49,9	39,47S	174,95E	33 R	3,8	1,0	10	5
078	03 03 41 24,2	33,73S	179,71E	33 R	4,7	2,7	13	11
079	04 13 30 41,0	47,47S	165,37E	135	3,8	0,5	5	3
080	05 07 13 21,3	40,93S	172,66E	12 R	3,8	1,0	8	6
081	05 12 32 01,0	33,12S	179,59E	283	5,3	1,7	10	6
082	05 12 56 50,8	37,50S	177,04E	254	4,4	1,3	13	8
083	05 17 17 18,8	41,89S	171,91E	12 R	3,8	1,4	11	6
084	06 02 59 30,0	38,81S	176,08E	163	4,0	1,2	7	5
085	06 08 39 51,5	44,98S	167,51E	109	4,4	1,3	9	6
086	06 14 59 36,9	41,66S	171,99E	12 R	3,9	1,0	10	6
087	06 16 54 31,3	41,77S	172,10E	12 R	3,7	1,4	8	4
088	06 19 42 17,8	41,87S	171,80E	12 R	3,9	1,1	12	6
089*	07 13 37 09,2	45,01S	170,24E	12 R	4,5	0,6	17	8
090*	07 14 35 37,9	44,87S	169,93E	12 R	3,2	1,2	9	4
091	09 13 36 15,4	38,22S	175,48E	33 R	4,5	0,7	11	7
092*	10 04 58 46,2	40,97S	175,39E	33 R	4,2	1,5	10	7
093	10 05 24 04,1	46,42S	166,76E	12 R	3,9	0,9	10	4
094	10 08 41 17,3	38,31S	176,52E	201	4,6	1,5	17	9
095	10 14 11 00,7	39,20S	178,60E	33 R	4,0	0,4	5	3
096	10 14 04 06,7	35,97S	177,15E	33 R	4,2	1,3	11	7
097	11 09 33 32,9	38,92S	175,89E	182	4,3	1,6	10	7
098	11 13 45 44,2	43,25S	171,02E	12 R	3,6	1,3	17	7
099	11 16 35 20,0	40,74S	175,25E	12 R	3,9	0,8	10	5
100	12 03 57 04,4	37,68S	176,70E	12 R	4,3	1,3	17	9
101	12 08 44 56,2	42,03S	173,92E	12 R	3,9	1,2	14	6
102*	12 21 03 44,6	46,43S	166,41E	33 R	5,0	1,5	15	9
103	13 02 18 38,7	37,01S	177,54E	250	4,1	0,5	7	5
104	14 14 46 12,0	41,80S	173,91E	33 R	3,7	1,7	8	4
105	14 15 21 47,1	48,65S	164,20E	33 R	4,1	1,1	11	6
106	15 04 58 54,3	37,87S	176,81E	33 R	4,1	1,8	9	6
107	15 14 45 06,2	41,75S	171,55E	12 R	3,7	1,5	6	4
108	15 16 46 06,4	42,93S	171,96E	33 R	3,5	0,9	10	5
109	16 03 13 05,8	33,23S	178,69W	311	5,4	1,5	10	6
110*	16 15 57 12,3	43,83S	171,20E	33 R	3,7	1,2	9	5

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
69/ 111	FEB 17 02 22 49,3	41,80S	171,71E	12 R	3,7	1,2	11	4
112	17 05 14 48,4	38,92S	176,55E	129	4,0	2,8	15	8
113	18 15 42 40,5	42,03S	173,97E	12 R	3,9	1,2	11	6
114	19 18 56 36,6	40,90S	176,70E	12 R	3,9	1,6	15	7
115	19 05 17 27,7	46,98S	167,06E	33 R	4,2	1,1	9	5
116	20 03 15 13,4	37,87S	177,38E	345	4,2	0,4	7	4
117	20 10 34 12,7	42,37S	173,53E	33 R	4,0	0,9	13	6
118	20 19 53 38,4	41,97S	171,85E	12 R	3,7	1,5	10	6
119*	21 22 27 08,0	41,68S	171,83E	12 R	3,9	1,1	12	3
120*	22 03 38 04,6	41,83S	171,88E	12 R	3,8	0,7	8	4
121*	23 11 57 18,2	39,32S	177,56E	12 R	4,9	1,4	20	12
122*	23 14 07 54,3	39,33S	177,56E	12 R	4,7	1,2	17	10
123*	23 23 34 11,1	39,32S	177,54E	12 R	4,5	1,5	12	10
124*	24 00 28 50,4	41,03S	174,47E	12 R	3,7	0,5	6	3
125*	24 06 40 30,8	42,35S	173,98E	12 R	3,8	1,2	9	5
126	24 09 03 19,5	39,55S	174,99E	103	4,0	1,7	10	5
127	24 15 05 12,3	42,41S	173,98E	33 R	3,9	1,1	9	5
128*	25 03 51 46,5	32,4 S	180,0	325	5,1			
129	25 04 46 57,3	45,63S	169,86E	12 R	4,2	0,4	12	5
130	25 18 39 38,8	45,16S	167,70E	113	3,9	1,0	10	5
131	27 01 18 27,7	38,25S	176,09E	189	4,4	0,9	10	7
132*	27 09 00 48,1	38,41S	176,45E	12 R	3,4	0,8	6	3
133	28 12 19 02,5	36,49S	177,75E	33 R	4,1	1,6	8	4
134	28 14 45 38,9	45,02S	167,58E	113	4,3	0,7	9	5
135	MAR 01 09 44 34,5	41,83S	171,68E	12 R	3,6	1,3	10	4
136	02 13 40 14,7	37,52S	177,21E	194	4,1	0,9	7	4
137	02 18 01 03,1	38,48S	175,77E	187	4,3	0,7	10	8
138	03 07 35 04,3	33,61S	179,78E	33 R	4,8	2,0	6	4
139	05 02 04 53,7	38,18S	176,25E	178	4,5	0,7	13	8
140	05 10 41 32,3	34,24S	179,10W	477	4,3	2,6	6	4
141	05 14 49 51,1	46,31S	166,50E	12 R	4,2	0,6	9	4
142	06 03 58 15,6	39,76S	176,27E	33 R	4,0	0,4	5	3
143*	07 04 13 18,2	44,98S	167,58E	12 R	4,5	1,2	13	4
144	08 04 30 39,2	39,91S	177,11E	33 R	3,8	1,2	7	4
145	09 01 41 43,5	38,66S	175,83E	144	3,9	1,0	9	5
146	09 02 05 12,6	39,80S	174,32E	214	5,3	1,9	21	13
147	09 07 52 27,0	36,98S	177,10E	222	3,9	0,6	9	5
148	09 18 49 28,0	34,78S	179,63E	352	4,4	0,8	7	4
149	10 03 12 41,9	38,04S	176,22E	192	3,9	0,6	7	4
150	10 05 07 29,4	41,47S	172,11E	12 R	4,0	1,3	11	6
151	10 09 50 26,4	38,83S	175,72E	145	4,0	1,0	10	6
152	11 01 20 30,2	37,78S	177,53E	61	3,7	0,9	7	5
153	11 04 48 06,1	34,97S	179,84W	307	4,7	0,8	10	6
154	11 05 07 55,1	38,56S	174,87E	148	3,9	0,8	7	4
155	11 07 46 48,2	32,92S	178,60W	299	3,8	0,6	7	5
156*	11 07 46 54,9	39,76S	176,98E	33 R	3,6	0,9	13	5
157*	11 17 48 02,0	40,90S	172,35E	12 R	4,8	1,3	27	11
158	12 03 56 13,0	34,42S	179,76W	33 R	4,5	2,8	12	7
159	12 12 55 37,7	45,57S	167,18E	109	5,3	1,4	18	11
160	12 23 13 15,6	38,09S	176,14E	209	4,7	0,6	15	8

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
69/ 161	MAR 12 23 42 45,2	38,37S	178,59E	72	3,6	0,8	7	5
162*	13 00 58 47,3	38,98S	177,00E	33 R	4,6	0,9	8	7
163	13 10 07 17,5	42,06S	171,69E	12 R	4,1	1,3	20	7
164	14 02 00 19,8	38,82S	175,94E	129	4,1	1,4	14	8
165	14 16 34 43,9	40,22S	173,41E	169	4,2	0,9	12	6
166	15 22 28 26,2	35,31S	178,86E	289	4,4	1,6	10	7
167	16 05 56 21,8	36,99S	177,22E	289	4,4	1,0	12	8
168*	17 15 39 58,3	37,83S	176,17E	59	3,6	0,2	5	5
169	18 05 17 22,8	36,31S	179,11E	167	4,6	0,3	9	7
170*	20 06 30 52,8	45,00S	167,71E	129	4,9	1,2	14	10
171	21 10 10 56,9	38,68S	178,40E	33 R	4,1	0,6	8	7
172	22 08 47 03,8	32,34S	179,06E	441	5,1	1,6	9	6
173*	22 19 29 52,4	39,47S	175,66E	12 R	4,0	0,6	15	7
174	22 23 49 47,9	37,55S	178,66E	61	4,0	2,0	9	8
175	23 01 58 46,2	37,37S	179,63E	107	4,4	1,8	8	7
176	23 09 56 31,9	35,05S	177,66E	33 R	4,3	2,2	7	5
177*	24 02 32 05,5	38,25S	176,25E	33 R	3,9	1,8	9	5
178*	24 09 18 06,3	39,76S	177,06E	56	4,3	0,8	13	9
179	25 04 32 16,4	37,17S	176,92E	265	5,0	1,0	16	11
180*	25 10 57 04,1	43,47S	170,77E	12 R	4,3	1,5	14	8
181*	25 18 50 28,1	41,51S	175,13E	12 R	3,8	0,9	10	5
182*	26 17 52 48,2	40,40S	176,64E	33 R	4,8	1,0	20	13
183	27 22 20 11,2	38,33S	176,06E	173	4,2	1,0	13	7
184	28 13 04 36,5	37,30S	176,58E	304	4,6	0,9	17	10
185	30 04 41 11,0	38,69S	179,28E	12 R	4,4	0,7	14	6
186	30 22 26 11,0	45,02S	167,43E	12 R	3,8	1,2	7	3
187	31 05 35 29,8	35,32S	178,63E	273	4,5	1,5	9	6
188	31 14 17 58,8	38,50S	179,12E	12 R	3,9	1,5	12	5
189	31 19 12 21,7	44,90S	169,94E	12 R	4,2	0,8	16	7
190	31 20 03 28,5	38,40S	176,13E	157	4,2	1,2	11	7
191	APR 01 07 54 22,5	38,74S	175,02E	254	4,7	1,4	22	13
192	01 12 37 37,2	32,59S	179,92W	33 R	4,8	2,9	12	9
193	02 00 16 34,7	38,83S	175,71E	133	4,4	1,0	17	10
194	04 01 11 10,8	31,68S	177,24E	33 R	5,3	2,9	12	7
195	04 07 42 35,9	37,31S	177,46E	156	4,3	1,4	14	8
196*	08 06 49 46,6	37,50S	176,61E	12 R	3,5	0,9	4	2
197*	08 09 45 41,5	38,07S	176,38E	12 R	4,0	2,2	17	9
198*	08 09 59 05,7	38,05S	176,45E	12 R	3,5	2,0	10	7
199*	08 14 34 20,5	38,06S	176,41E	12 R	4,2	2,6	16	10
200	10 06 16 42,5	38,93S	175,07E	230	4,2	1,8	19	11
201	10 20 06 21,9	43,25S	171,93E	12 R	3,7	1,5	13	6
202	10 23 52 11,9	38,31S	176,06E	190	4,9	1,9	24	13
203*	11 20 20 08,2	41,83S	171,84E	12 R	3,7	1,3	21	9
204*	12 20 47 51,2	38,38S	179,25E	12 R	3,8	1,6	9	6
205	13 19 43 50,1	37,73S	176,29E	237	5,0	1,3	24	15
206*	14 07 44 52,0	37,07S	175,15E	12 R	3,3	1,3	16	7
207*	15 10 08 18,6	41,05S	174,29E	33 R	4,1	1,4	25	14
208*	17 02 22 59,9	45,15S	167,86E	143	5,3	1,6	28	16
209*	17 20 12 59,6	39,30S	177,40E	12 R	3,9	0,8	12	10
210	19 07 17 50,8	45,05S	167,66E	12 R	4,2	1,2	10	8

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
69/ 211	APR 18 12 10 18,3	32,41S	179,50E	417	5,1	1,8	13	8
212*	18 19 17 02,1	41,83S	173,85E	12 R	4,2	2,4	21	9
213	20 03 49 43,7	46,53S	166,61E	12 R	4,8	1,4	20	7
214	21 00 41 09,6	41,88S	171,96E	12 R	3,4	1,5	13	6
215*	21 00 42 41,4	41,88S	171,94E	12 R	3,7	1,2	18	9
216	22 06 15 51,4	34,23S	179,24E	258	4,7	1,8	20	13
217	24 09 01 49,0	44,15S	168,61E	12 R	3,7	1,8	18	8
218	24 13 21 54,0	38,98S	175,23E	159	4,3	1,8	17	10
219*	25 18 10 44,3	40,39S	176,08E	12 R	3,4	0,7	12	5
220	28 22 54 20,7	37,44S	177,43E	185	4,5	1,6	22	14
221	29 10 41 24,2	40,90S	175,44E	12 R	3,7	1,1	16	9
222	29 16 01 50,9	46,18S	167,08E	12 R	4,0	1,7	15	7
223*	30 05 37 46,8	44,31S	168,73E	12 R	4,7	1,8	32	11
224	MAY 01 02 10 27,5	38,70S	176,07E	112	3,9	1,0	13	7
225	02 03 15 32,2	45,81S	166,60E	12 R	3,6	2,0	6	5
226	02 08 53 10,6	48,94S	164,33E	33 R	4,1	0,1	6	4
227	03 04 17 20,9	37,50S	177,30E	167	4,0	1,6	13	9
228	03 08 11 28,1	33,54S	178,92W	488	4,0	1,4	8	6
229	03 10 41 33,4	38,39S	175,92E	181	4,1	1,1	14	10
230	04 04 46 16,3	45,13S	167,87E	12 R	3,9	1,4	12	7
231	04 04 56 57,9	38,58S	175,87E	167	3,9	1,4	13	9
232	05 03 19 56,5	38,73S	175,52E	119	3,8	1,7	13	9
233	06 01 15 50,2	37,91S	177,08E	153	4,0	1,2	12	7
234	06 02 11 59,2	37,75S	176,34E	207	4,0	1,4	16	10
235*	07 22 41 46,3	38,87S	175,39E	12 R	4,6	1,9	17	11
236*	07 22 54 33,6	38,85S	175,90E	12 R	3,7	1,9	10	6
237*	08 00 04 55,4	38,73S	175,79E	12 R	4,7	1,6	19	13
238*	08 00 26 56,5	33,76S	175,89E	12 R	3,6	1,4	12	8
239*	08 01 21 02,0	38,87S	175,56E	12 R	3,7	1,4	9	7
240*	08 03 35 42,5	38,84S	175,68E	12 R	3,5	1,6	10	6
241*	08 04 28 29,7	38,82S	175,80E	12 R	3,5	0,2	6	5
242*	08 04 44 13,0	38,80S	175,87E	12 R	3,4	1,0	6	4
243*	08 06 06 48,2	38,80S	175,76E	12 R	4,2	1,5	15	9
244*	08 06 17 00,1	38,87S	175,77E	12 R	3,5	1,4	10	5
245*	08 07 16 06,9	38,83S	175,84E	12 R	3,5	1,1	10	5
246	08 14 46 21,4	38,89S	175,53E	12 R	3,7	1,7	14	8
247*	08 16 51 58,4	45,24S	167,59E	12 R	4,5	1,7	13	7
248	08 17 13 30,6	39,19S	174,77E	219	4,6	1,5	17	9
249*	09 01 35 00	NEAR MURCHISON (80)			3,4			
250	09 08 57 01,5	38,79S	175,78E	12 R	3,6	1,7	14	9
251	09 18 16 59,8	38,83S	175,62E	12 R	3,6	1,9	13	8
252	10 13 50 50,9	47,99S	165,36E	33 R	4,4	2,3	9	5
253	11 19 52 06,7	37,57S	179,71W	131	4,3	1,3	19	12
254	11 23 35 12,3	38,95S	175,85E	12 R	3,6	1,6	9	6
255*	12 21 57 14,3	46,36S	167,07E	12 R	4,9	1,6	17	8
256*	13 14 07 43,4	41,79S	172,27E	12 R	3,9	1,4	16	8
257*	14 09 15 19,2	40,42S	174,36E	12 R	4,3	1,4	24	15
258	14 09 41 11,6	40,40S	174,35E	12 R	3,8	0,9	18	9
259	14 12 45 04,9	38,91S	178,24E	12 R	4,1	1,7	18	9
260	14 23 04 14,9	39,01S	178,12E	12 R	3,6	1,8	9	7

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
69/ 261	MAY 15 21 19 24,7	40,58S	176,87E	12 R	3,9	1,2	15	7
262	15 05 23 04,3	39,12S	174,82E	260	3,9	1,2	18	9
263	15 23 50 23,7	41,65S	171,93E	12 R	3,7	1,6	22	9
264	17 05 28 52,8	38,20S	175,97E	212	4,0	1,2	11	8
265	17 06 38 50,7	37,92S	175,93E	295	4,9	1,3	28	16
266	18 00 03 04,5	39,70S	174,28E	170	4,4	1,9	19	12
267	18 01 05 29,9	36,96S	179,74W	12 R	4,1	1,4	13	9
268	18 01 56 11,9	40,91S	173,75E	12 R	3,7	0,9	16	8
269	18 07 15 48,3	37,70S	179,47W	12 R	3,9	2,0	16	7
270	18 08 10 10,9	39,15S	174,80E	223	4,1	1,6	13	9
271	18 08 44 46,8	33,49S	179,89E	363	4,8	1,1	11	9
272	18 19 05 27,6	37,67S	177,34E	33 R	4,2	1,5	20	11
273	18 16 34 20,8	38,70S	175,51E	164	3,7	0,6	10	6
274	18 20 33 50,3	38,18S	176,25E	161	3,6	1,0	5	4
275	19 09 51 39,0	38,71S	175,62E	163	3,9	1,7	11	8
276	19 10 56 58,5	39,09S	176,39E	33 R	3,7	0,8	17	9
277	19 21 44 53,4	38,38S	175,91E	183	3,9	1,9	14	10
278	20 08 07 59,3	38,33S	177,42E	90	4,2	1,3	14	10
279	20 17 04 00,8	37,51S	177,67E	164	4,2	1,1	11	8
280	21 07 50 24,2	38,23S	176,10E	185	4,0	1,0	14	9
281	21 10 00 40,9	38,22S	175,82E	225	4,0	0,8	14	9
282	21 10 47 11,9	41,98S	173,32E	12 R	3,7	1,0	17	8
283	22 05 47 01,3	39,25S	175,93E	58	3,8	1,0	16	10
284	22 12 21 53,1	38,99S	174,95E	217	4,2	1,2	14	8
285	22 13 22 11,9	35,08S	179,37E	276	4,5	0,9	16	13
286	23 05 29 38,8	32,86S	178,98W	347	5,1	1,0	14	10
287	23 12 25 17,4	38,53S	175,97E	178	4,6	1,1	18	14
288*	23 14 29 42,3	39,70S	175,41E	109	5,7	1,3	27	20
289	23 14 55 16,4	35,94S	179,09E	300	4,2	1,5	10	8
290	23 15 02 36,6	46,07S	166,87E	12 R	4,1	1,8	9	6
291	23 18 44 33,9	38,98S	175,04E	226	4,2	1,5	19	11
292	23 23 50 29,3	39,28S	178,25E	33 R	4,2	1,6	12	9
293	24 06 58 21,2	37,00S	177,57E	213	4,0	1,1	10	7
294	25 20 18 35,6	37,96S	176,05E	201	3,9	1,0	8	7
295	26 05 26 12,7	32,63S	179,52W	489	5,8	0,9	9	9
296	26 08 42 48,8	40,48S	176,45E	33 R	4,2	1,0	17	12
297	27 19 53 30,7	39,32S	174,47E	177	4,3	1,0	9	6
298	28 12 27 43,7	46,41S	166,50E	12 R	4,1	1,1	8	3
299	28 12 59 10,6	38,81S	175,21E	267	4,1	1,4	12	7
300	28 20 00 30,2	40,10S	178,54E	12 R	4,0	1,0	13	8
301	29 04 34 14,5	35,77S	174,68E	12 R	3,3	1,2	7	4
302	29 05 50 59,1	41,71S	174,28E	12 R	4,1	1,0	17	8
303	29 07 36 19,5	41,68S	174,26E	12 R	3,9	1,0	14	6
304*	29 08 07 08,7	41,56S	174,22E	12 R	4,3	1,5	26	11
305	29 11 19 23,5	38,03S	177,13E	107	4,3	1,3	12	9
306	29 20 45 47,4	34,95S	179,20E	259	4,5	2,4	5	5
307	30 11 46 09,9	39,77S	176,24E	12 R	3,8	1,0	19	8
308	30 16 38 23,8	39,98S	175,78E	12 R	3,7	1,0	16	6
309	30 18 57 18,9	42,02S	174,57E	12 R	4,3	0,5	20	9
310*	30 22 13 06,8	41,96S	172,09E	12 R	3,8	1,0	17	7

REF	NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
69/	311	MAY 31 13 01 08,1	39,56S	174,11E	216	4,5	1,8	17	10
	312	31 17 50 38,5	38,63S	176,02E	110	4,2	1,0	12	8
	313	JUN 02 03 30 58,4	38,62S	176,09E	143	4,3	1,4	8	6
	314*	03 06 21 20,0	41,83S	172,80E	33 R	4,7	1,5	16	10
	315*	03 13 27 25,4	42,22S	172,62E	12 R	3,9	1,7	10	7
	316	03 15 33 29,2	42,25S	172,70E	12 R	3,7	0,7	8	5
	317	06 00 10 09,3	35,29S	179,95W	33 R	4,9	1,5	12	10
	318	07 05 24 09,3	35,52S	179,26W	33 R	5,1	0,9	13	10
	319	07 13 49 09,7	35,71S	179,49W	204	4,7	0,8	12	10
	320	07 15 01 25,9	36,49S	177,74E	12 R	3,8	1,5	9	5
	321	08 03 19 54,9	42,09S	174,31E	12 R	4,2	1,5	12	7
	322	09 04 25 16,1	37,50S	177,34E	174	4,3	1,3	12	8
	323*	09 16 53 09,9	40,21S	176,34E	12 R	3,7	1,4	17	7
	324*	10 18 25 57,1	41,88S	171,62E	12 R	3,5	1,8	10	6
	325*	11 01 05 24,9	40,97S	175,54E	12 R	3,8	1,7	11	5
	326*	11 10 31 54,4	39,75S	177,04E	33 R	4,5	0,7	13	8
	327	12 00 31 30,3	35,69S	178,86W	235	4,6	1,7	12	9
	328*	12 02 39 13,1	39,22S	174,76E	33 R	4,2	1,9	7	5
	329	12 07 24 38,5	36,62S	177,77E	33 R	4,5	1,7	12	12
	330	13 17 44 13,8	36,78S	177,77E	208	4,0	1,5	7	5
	331*	14 03 18 46,0	39,31S	177,05E	33 R	4,0	1,5	15	9
	332*	14 04 08 56,3	39,28S	177,17E	33 R	3,9	1,3	16	9
	333	14 10 09 57,6	42,67S	171,82E	12 R	4,1	1,0	13	6
	334	14 10 30 30,7	32,29S	179,89E	539	5,9	1,2	18	11
	335	15 19 47 43,3	47,41S	165,22E	33 R	4,0	1,9	6	4
	336	16 16 41 52,0	38,72S	175,87E	106	4,0	1,2	10	7
	337	16 19 04 53,2	48,41S	167,04E	72	4,0	1,3	6	4
	338	17 03 52 39,7	39,07S	175,20E	162	4,8	1,6	18	11
	339*	19 19 10 20,9	41,60S	171,97E	12 R	3,5	0,8	11	6
	340*	20 05 35 15,3	40,61S	175,79E	12 R	4,4	1,2	10	6
	341*	20 05 54 22,8	38,79S	175,99E	107	5,0	1,2	13	11
	342*	20 20 52 43,6	37,89S	178,17E	100	5,0	1,6	17	13
	343	22 08 26 58,0	45,47S	167,04E	70	3,9	1,0	6	4
	344*	22 08 51 07,2	41,70S	171,95E	12 R	3,3	1,5	12	6
	345	24 14 56 31,6	38,64S	175,30E	241	3,9	0,9	9	6
	346	24 19 12 02,7	40,33S	173,61E	199	4,0	1,4	8	5
	347	24 19 41 55,1	39,25S	174,44E	206	3,8	0,7	7	4
	348*	24 21 34 54,1	41,72S	171,95E	12 R	3,8	1,2	13	6
	349	25 02 45 08,2	32,69S	179,52E	477	4,9	1,4	14	10
	350*	25 02 59 44,4	41,77S	171,98E	12 R	3,4	1,1	9	4
	351	25 23 41 21,6	39,57S	174,39E	202	4,0	0,6	8	5
	352	26 16 11 15,3	41,74S	177,07E	12 R	3,8	1,6	10	7
	353	28 07 34 54,9	40,79S	174,44E	79	3,9	0,5	9	5
	354	29 01 36 43,3	38,70S	175,75E	154	4,0	1,0	11	6
	355	29 06 32 41,7	34,03S	177,95W	303	4,9	2,2	10	7
	356	30 17 16 20,6	37,56S	179,95W	124	3,9	1,4	8	6
	357	30 20 45 58,6	36,60S	177,65E	270	4,3	0,7	8	6
	358	JUL 01 03 20 33,7	38,50S	178,97E	70	4,3	0,8	7	4
	359	01 06 44 39,1	37,65S	176,57E	202	4,3	1,3	8	5
	360	01 09 19 25,2	38,68S	176,02E	157	3,9	0,6	8	5

LOCAL EARTHQUAKE ORIGINS

REF	NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
69/	361	JUL 03 06 22 09,9	38,69S	175,79E	213	4,4	1,7	18	11
	362	03 06 29 23,5	38,71S	177,97E	12 R	3,9	1,3	9	5
	363	03 11 57 29,7	38,47S	175,62E	199	4,7	1,7	22	15
	364	04 12 56 54,8	38,04S	179,85W	33 R	3,8	1,1	8	5
	365	04 19 57 47,5	41,41S	175,78E	12 R	3,7	1,1	7	3
	366	04 22 40 06,7	33,60S	178,49W	265	4,7	2,0	11	9
	367	05 07 02 59,4	37,50S	177,85E	12 R	3,7	0,8	11	6
	368	06 03 57 53,6	39,26S	174,81E	12 R	3,9	1,0	10	5
	369*	06 07 15 08,4	39,36S	177,09E	12 R	4,5	1,0	15	10
	370	06 14 47 16,1	33,65S	176,50W	296	4,7	2,4	9	7
	371	06 14 56 01,0	40,27S	174,30E	117	4,3	1,1	16	10
	372	06 15 05 07,3	33,65S	178,45W	262	5,0	2,0	11	9
	373	07 07 19 55,5	37,29S	177,29E	214	4,5	0,7	15	9
	374	07 17 59 13,1	46,44S	166,63E	33 R	3,8	0,8	12	5
	375	07 18 50 47,6	39,70S	174,13E	214	4,3	1,4	13	10
	376	07 20 22 45,0	34,65S	177,82E	33 R	4,3	1,6	7	5
	377	07 23 36 52,2	37,43S	177,18E	12 R	4,4	1,3	22	12
	378	08 00 03 23,4	35,67S	178,24E	120	4,4	0,4	10	9
	379	08 07 10 27,2	34,28S	178,41W	33 R	5,5	2,5	22	18
	380	08 07 26 25,6	34,20S	178,62W	33 R	4,8	2,8	11	9
	381	08 07 29 00,5	34,31S	178,61W	33 R	4,3	3,1	13	9
	382	08 07 48 22,9	34,21S	178,43W	33 R	5,0	3,0	14	11
	383	08 10 16 00,7	47,02S	166,40E	33 R	4,8	1,2	17	11
	384	08 11 19 17,3	36,56S	177,91E	220	4,8	1,8	26	16
	385	09 02 21 59,5	33,91S	178,44W	33 R	4,8	3,3	11	8
	386	09 03 02 56,0	34,25S	177,84W	33 R	5,5	2,1	22	16
	387	09 04 16 21,3	34,16S	178,39W	33 R	5,0	2,6	13	10
	388	09 05 29 48,5	34,21S	178,14W	33 R	5,3	3,9	26	18
	389	09 06 03 48,0	34,06S	178,34W	33 R	4,7	1,8	8	6
	390	09 10 17 37,4	34,25S	178,11W	33 R	4,8	2,8	11	8
	391	09 17 28 53,8	35,04S	179,53W	12 R	4,7	1,5	15	10
	392	09 20 31 10,4	33,96S	178,72W	33 R	4,6	4,1	7	6
	393	09 21 25 33,0	33,73S	179,18W	33 R	4,7	1,4	9	6
	394	09 22 56 25,7	36,64S	177,53E	246	4,5	1,4	12	9
	395	10 00 41 00,2	41,89S	174,49E	33 R	3,9	1,7	11	6
	396	12 03 48 08,5	44,55S	167,15E	12 R	4,5	1,6	14	8
	397	12 15 52 21,1	39,05S	175,63E	12 R	3,7	1,4	10	7
	398	12 16 20 21,5	31,51S	179,44W	451	5,4	1,2	11	9
	399	12 16 44 17,3	39,67S	177,42E	33 R	3,6	1,3	15	8
	400	12 17 38 47,1	38,44S	175,88E	213	3,8	0,8	8	7
	401	12 19 38 14,5	38,05S	176,06E	225	4,2	1,6	14	7
	402	12 20 31 59,6	41,69S	172,72E	12 R	3,4	1,0	16	7
	403	13 17 22 04,3	39,10S	174,35E	222	3,6	1,7	5	4
	404	13 19 18 44,2	38,00S	176,79E	153	4,4	1,1	12	7
	405	14 10 50 23,5	40,46S	174,24E	33 R	4,2	1,4	23	11
	406	14 18 40 50,4	37,61S	177,28E	33 R	3,9	1,3	20	10
	407	15 02 01 42,0	38,35S	176,01E	142	4,3	1,8	14	9
	408	15 08 06 54,3	40,36S	173,58E	200	3,8	1,8	11	9
	409	15 08 09 06,2	41,86S	173,23E	12 R	3,4	1,6	19	8
	410	15 17 07 19,2	39,68S	174,27E	198	4,1	1,4	16	9

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
69/ 441	JUL 16 09 28 09,5	38,67S	175,19E	262	4,0	0,8	8	6
442	16 10 52 00,7	39,40S	174,51E	255	4,2	1,4	14	7
443	15 11 42 43,6	42,99S	172,32E	12 R	3,7	1,4	27	9
444	15 14 06 03,0	36,27S	174,18E	12 R	3,1	0,3	8	3
445	16 14 20 16,1	41,92S	171,88E	12 R	3,8	1,7	25	8
446	16 21 00 04,4	32,46S	179,50E	478	5,0	2,6	8	6
447	17 03 11 59,4	38,48S	175,78E	161	4,1	0,8	12	7
448	17 10 37 33,9	33,46S	178,42W	294	4,8	0,5	12	10
449	17 13 51 33,6	33,65S	178,98E	463	5,1	1,3	16	12
450	17 14 43 59,3	37,25S	176,83E	218	3,9	1,9	9	6
421	17 20 55 05,5	40,06S	173,79E	222	4,2	1,3	15	11
422	17 23 01 39,1	33,92S	178,32W	316	5,0	1,5	15	10
423	18 00 36 26,5	33,47S	178,51W	277	5,2	1,3	16	11
424	18 08 12 59,8	40,42S	176,33E	12 R	3,4	1,1	12	6
425	18 12 46 07,4	41,83S	174,17E	33 R	3,7	1,5	15	6
426	18 18 00 27,9	37,86S	177,20E	146	4,2	2,2	15	10
427	18 19 31 17,4	39,12S	174,84E	213	4,2	1,2	10	6
428	19 23 33 18,5	39,15S	178,43E	12 R	3,8	0,5	7	4
429*	20 11 25 03,0	38,66S	178,64E	33 R	4,1	1,1	11	6
430	20 22 46 56,8	34,94S	178,91E	313	4,7	1,0	12	9
431	21 04 42 06,5	33,95S	178,97W	344	4,9	2,2	11	7
432*	21 19 27 01,4	38,79S	175,70E	175	5,0	1,4	21	15
433	23 09 01 35,8	36,59S	178,23E	249	4,3	1,0	11	7
434	23 18 41 01,7	37,33S	176,67E	295	4,3	0,8	11	7
435	23 23 50 30,3	39,02S	177,59E	12 R	4,0	1,1	9	5
436	24 02 27 37,3	32,79S	179,30E	311	5,2	2,5	19	12
437	24 09 08 46,5	42,43S	173,59E	33 R	3,8	0,5	14	7
438	24 15 54 41,9	44,90S	168,12E	12 R	3,8	1,5	9	5
439	25 06 03 24,2	45,19S	167,08E	12 R	4,3	1,1	10	7
440	26 20 48 19,8	34,06S	178,55W	264	5,2	1,3	16	12
441	27 10 37 08,0	46,53S	166,51E	12 R	3,8	1,2	11	5
442	25 01 51 18,3	39,78S	173,98E	149	3,9	1,3	8	5
443	28 14 19 41,6	38,64S	175,80E	164	4,2	1,4	14	9
444	29 07 27 02,5	38,48S	175,88E	166	3,9	1,0	8	7
445	29 08 49 52,5	41,86S	172,02E	12 R	3,6	1,5	14	7
446	29 11 12 18,7	41,89S	172,04E	12 R	3,7	1,3	15	7
447	29 15 34 54,7	40,59S	176,55E	12 R	4,0	1,2	20	10
448*	31 10 06 18,0	39,94S	176,79E	33 R	4,1	1,1	18	11
449*	31 10 13 08,2	40,59S	176,90E	12 R	4,1	1,1	23	10
450	31 10 41 47,0	45,70S	165,89E	33 R	4,2	1,1	9	4
471	31 11 43 37,8	41,99S	175,14E	33 R	3,7	1,3	11	8
472	31 23 51 43,6	41,95S	171,93E	12 R	3,8	0,8	19	10
473	31 15 44 47,9	38,74S	175,71E	143	3,9	0,9	10	6
474	32 11 10 06,9	39,35S	175,23E	96	3,9	1,4	10	7
475*	33 00 49 37,9	38,34S	174,28E	33 R	4,5	1,1	21	9
476	03 19 55 05,1	38,47S	175,82E	190	4,5	0,9	15	9
477	04 10 09 02,6	38,57S	176,10E	121	4,0	1,7	13	8
478	05 20 49 24,3	36,33S	177,61E	236	4,2	0,9	7	5
479	06 00 02 40,9	34,42S	178,51W	238	4,9	1,4	12	8
480*	06 02 45 24,2	41,51S	172,89E	12 R	4,0	1,5	15	6

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
69/ 461	AUG 06 16 02 44,5	38,97S	175,26E	230	4,1	1,1	10	6
462	08 15 20 42,4	35,14S	179,88E	284	4,5	1,0	7	5
463	13 08 06 08,1	45,00S	167,55E	109	4,0	1,6	10	6
464	13 23 12 13,4	39,72S	174,06E	122	3,8	0,5	6	4
465	14 04 19 12,1	35,80S	174,60E	12 R	2,8	R	0	2
466	14 05 46 12,3	41,05S	174,50E	12 R	3,8	1,2	10	5
467	14 15 36 15,6	38,10S	177,81E	33 R	3,9	1,1	10	6
468*	15 02 37 12,5	40,90S	172,28E	12 R	4,2	1,2	32	9
469	15 12 18 57,5	35,42S	179,96W	198	5,1	1,1	16	10
470	15 15 48 13,4	35,13S	178,39E	12 R	4,8	1,7	14	8
471	15 15 48 21,3	39,68S	174,94E	112	3,8	1,6	11	6
472*	16 08 24 18,5	41,81S	171,71E	12 R	3,7	0,5	16	6
473*	16 20 21 16,2	41,17S	177,22E	12 R	4,3	0,6	14	6
474	17 00 24 43,4	35,24S	179,28E	346	4,9	0,9	14	9
475	17 10 15 49,0	44,85S	166,40E	12 R	4,3	1,5	21	6
476*	17 10 48 47,8	37,91S	176,38E	12 R	4,1	0,8	12	4
477*	17 12 08 46,3	40,96S	174,74E	12 R	4,4	1,2	20	8
478*	17 14 37 14,7	41,76S	171,47E	12 R	4,5	1,6	22	7
479*	17 23 17 31,5	37,90S	176,84E	12 R	3,9	1,0	11	4
480	17 23 46 45,5	35,75S	178,91E	12 R	4,6	1,6	15	5
481	19 06 40 13,9	39,10S	178,68E	12 R	3,8	0,6	8	4
482	20 01 21 02,3	40,01S	176,54E	12 R	3,9	1,7	20	7
483*	20 01 47 38,3	37,90S	176,83E	12 R	3,9	1,8	20	6
484	22 23 42 21,7	36,32S	177,67E	292	4,2	1,5	14	10
485	23 01 57 15,3	31,89S	179,79W	468	4,2	1,5	10	6
486	24 04 04 22,1	41,67S	171,95E	12 R	4,2	1,6	19	9
487	24 11 47 05,3	41,97S	171,87E	12 R	3,9	0,9	16	8
488	25 01 29 02,0	39,79S	174,08E	191	4,2	1,4	15	9
489	25 10 07 44,2	38,76S	175,75E	180	4,7	1,6	23	14
490	25 10 34 49,1	37,60S	176,44E	255	3,8	1,3	8	6
491	25 14 40 05,2	40,57S	176,69E	12 R	3,7	2,0	16	7
492	25 16 24 18,2	36,84S	177,92E	12 R	3,8	1,1	13	8
493	26 12 53 01,5	38,32S	176,49E	126	4,2	2,1	14	8
494	26 19 00 55,2	41,97S	171,57E	12 R	3,7	1,9	18	9
495*	27 16 46 00,3	41,59S	171,80E	12 R	3,8	1,2	19	10
496*	28 07 27 10,8	37,39S	177,05E	12 R	3,5	2,1	10	7
497	28 07 44 25,7	43,16S	171,17E	12 R	3,7	1,9	15	8
498*	28 11 18 05,5	40,07S	176,82E	12 R	4,2	1,2	18	11
499	29 21 57 57,2	38,17S	176,42E	269	4,2	1,9	10	6
500	30 13 25 42,2	32,73S	178,03W	369	5,2	3,1	8	7
501	30 15 30 59,9	34,89S	179,84W	33 R	4,8	1,5	15	10
502	31 00 36 18,1	41,79S	174,60E	12 R	3,9	1,1	17	10
503	31 05 33 03,0	38,31S	176,40E	242	4,4	1,4	16	10
504*	31 07 11 23,1	41,71S	171,86E	12 R	3,9	1,2	16	8
505	31 07 57 47,3	39,24S	176,14E	90	4,0	0,8	14	7
506	31 17 19 54,0	33,89S	178,77W	332	4,4	2,7	10	6
507	01 10 08 12,3	38,31S	176,57E	210	4,3	1,8	17	12
508*	01 18 10 20	YEAR ROTORUA			3,3			
509	02 06 06 54,0	39,18S	175,50E	153	4,0	1,6	11	7
510	02 09 48 14,8	31,34S	179,82E	379	5,3	1,6	6	5

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
69/ 511	SEP 02 15 45 37,4	37,76S	176,81E	248	4,4	1,5	10	7
512*	02 17 47 54,2	38,89S	176,54E	33 R	4,3	1,6	19	13
513	03 13 54 25,9	38,18S	176,21E	187	4,1	1,2	13	8
514	04 05 33 04,7	40,35S	173,55E	212	4,9	1,5	28	13
515	04 15 06 48,5	39,98S	174,35E	12 R	3,8	1,0	15	7
516	04 18 14 49,6	38,46S	176,39E	12 R	3,8	1,6	15	7
517	04 20 33 32,1	32,93S	179,49E	401	4,7	2,6	9	7
518*	05 09 26 11,5	41,76S	171,90E	12 R	5,0	1,8	44	17
519	05 12 58 00,7	37,17S	177,35E	173	4,2	1,8	10	8
520	05 14 04 47,4	39,94S	177,34E	12 R	4,5	1,5	22	11
521*	05 14 52 49,2	40,21S	174,93E	55	4,3	1,8	14	9
522	06 02 04 14,9	38,23S	176,15E	170	4,5	1,3	17	11
523*	06 05 28 39,3	41,69S	174,48E	33 R	4,4	1,4	19	11
524	06 08 25 02,5	38,28S	176,91E	108	4,2	1,8	12	11
525	07 11 26 36,6	41,28S	174,26E	12 R	3,9	1,3	14	7
526	07 18 15 17,7	40,96S	176,71E	12 R	4,3	1,1	21	12
527	08 02 37 26,1	41,60S	174,04E	12 R	4,1	0,7	14	9
528	08 08 04 22,2	40,44S	173,53E	213	4,7	1,2	28	15
529	08 14 02 05,0	37,34S	176,70E	266	4,4	1,4	18	11
530	08 22 35 37,1	38,20S	175,90E	222	4,5	1,5	18	12
531	09 05 51 29,2	40,89S	176,74E	12 R	5,0	1,3	37	19
532	09 08 47 33,2	40,94S	176,86E	12 R	4,0	1,0	17	10
533	09 15 43 59,9	41,04S	176,80E	12 R	4,0	0,9	19	11
534	09 16 25 57,2	40,99S	176,75E	12 R	4,3	1,2	27	14
535	09 17 01 26,6	40,88S	176,89E	12 R	4,4	1,2	27	16
536	09 20 25 48,8	41,02S	176,78E	12 R	4,1	1,5	18	11
537	10 12 43 14,3	37,25S	177,04E	248	4,5	0,8	10	8
538	10 18 31 01,1	37,29S	177,07E	244	4,7	1,4	16	11
539	10 19 23 57,7	40,71S	176,85E	12 R	4,7	1,3	32	16
540*	10 19 58 40,6	40,64S	176,84E	12 R	4,9	1,1	26	17
541	10 23 09 22,7	40,80S	176,75E	12 R	4,6	1,1	25	12
542*	11 00 56 43,5	39,57S	175,58E	12 R	4,3	1,0	21	11
543	11 08 10 17,7	40,87S	176,99E	12 R	3,9	1,1	14	8
544	11 10 36 08,4	41,08S	176,70E	12 R	4,6	1,5	27	15
545	11 12 58 10,6	40,85S	176,86E	12 R	4,1	1,2	23	12
546	12 09 08 52,1	41,09S	176,62E	12 R	4,3	1,5	23	10
547	12 13 20 11,3	38,64S	176,59E	77	4,2	1,4	12	10
548	12 15 08 19,8	40,49S	174,48E	33 R	4,1	1,0	11	9
549	13 05 13 47,4	38,16S	176,27E	173	4,2	1,1	15	10
550	13 06 27 59,7	40,67S	176,94E	12 R	4,0	0,8	13	8
551*	13 23 09 45,5	40,03S	174,96E	33 R	4,5	1,3	20	13
552*	14 01 17 38,9	39,27S	175,09E	33 R	4,1	1,3	12	8
553	15 00 49 18,2	44,49S	167,17E	12 R	4,3	1,3	5	3
554	15 06 00 32,8	40,29S	174,26E	33 R	4,3	1,3	19	11
555	15 09 42 57,9	38,42S	175,71E	190	4,1	1,9	13	8
556*	15 21 28 54,2	41,72S	172,08E	12 R	3,7	1,9	10	5
557*	16 06 08 06,4	38,78S	176,22E	118	4,9	2,1	22	14
558	16 09 35 23,6	34,81S	178,64W	33 R	4,7	2,4	14	11
559	16 09 50 17,5	41,30S	176,56E	12 R	3,9	1,5	13	7
560	16 11 43 46,8	45,07S	167,68E	116	4,0	1,2	8	6

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
69/ 561	SEP 16 12 23 09,9	45,09S	167,72E	115	4,2	1,3	8	6
562	16 21 02 23,6	40,08S	174,98E	33 R	3,9	1,2	12	6
563	17 04 30 44,4	35,27S	179,45E	33 R	4,4	2,5	10	8
564	17 05 12 20,3	36,72S	177,63E	277	4,4	1,4	11	8
565	17 13 01 31,8	45,07S	169,17E	12 R	3,8	1,3	11	6
566	17 13 07 15,6	35,16S	178,02E	248	3,9	1,2	8	5
567*	17 13 11 45,1	37,88S	177,63E	117	4,4	2,1	16	12
568*	17 18 21 13,4	40,48S	174,43E	12 R	4,6	1,6	29	15
569	17 22 08 49,7	40,47S	174,47E	12 R	4,3	1,4	26	13
570	18 05 18 19,4	38,91S	176,17E	153	3,9	2,0	10	7
571*	18 18 09 35,9	38,62S	176,90E	56	4,0	1,4	12	10
572	18 19 10 50,9	34,56S	178,25W	33 R	4,7	1,7	12	8
573	18 19 56 33,2	39,30S	174,86E	229	4,1	1,6	9	6
574	18 20 05 30,5	44,94S	167,65E	81	4,0	1,2	8	5
575	18 23 14 36,3	40,06S	175,09E	33 R	3,7	0,9	10	5
576	19 00 25 29,5	35,70S	179,37E	12 R	4,6	2,2	20	13
577	19 08 16 06,2	32,64S	178,20W	405	5,2	4,4	9	9
578	19 14 28 13,9	34,47S	178,41W	33 R	5,1	2,3	25	19
579	20 04 31 42,4	38,39S	175,56E	198	3,9	1,4	10	7
580	20 10 18 06,7	34,84S	178,64W	33 R	4,8	1,9	22	15
581	20 12 38 44,7	34,95S	178,31W	12 R	4,9	1,6	19	13
582	20 21 02 33,9	43,33S	167,20E	113	4,6	1,4	11	7
583	21 01 00 03,1	40,84S	175,84E	12 R	3,9	1,0	13	7
584	21 01 58 24,7	40,44S	174,31E	33 R	4,1	1,2	21	11
585	21 13 16 03,0	50,03S	164,43E	33 R	4,7	1,4	11	6
586	21 16 50 49,2	38,90S	178,62E	12 R	4,2	1,3	11	8
587*	22 04 56 49,5	42,01S	171,74E	12 R	4,6	1,5	39	14
588	22 07 20 51,0	39,76S	174,05E	154	4,2	1,1	14	9
589*	22 11 49 50,5	41,07S	175,48E	12 R	3,3	1,6	6	3
590	22 13 20 45,2	44,23S	167,69E	12 R	3,6	1,0	11	5
591	22 13 25 52,1	39,55S	177,71E	12 R	4,0	1,9	12	12
592	22 22 44 00,8	41,58S	172,35E	12 R	3,6	1,5	18	8
593	23 01 52 27,6	38,29S	176,12E	167	3,8	1,2	11	7
594	23 18 49 05,2	38,15S	175,93E	213	4,4	1,2	14	10
595	24 07 30 32,7	39,16S	177,57E	33 R	3,9	1,0	9	6
596	24 21 28 04,1	33,01S	179,32W	298	5,3	1,6	15	10
597*	25 06 46 57,6	39,66S	176,77E	33 R	4,2	1,5	21	13
598	25 12 00 35,9	37,80S	179,84E	90	5,0	1,9	26	18
599	25 18 22 14,3	36,00S	179,46E	12 R	4,2	1,7	12	11
600*	26 04 31	NEAR TAUPŌ			2,5			
601	27 05 06 39,6	38,30S	178,05E	12 R	3,9	0,9	8	6
602	27 18 14 45,6	34,17S	176,67E	271	5,2	1,1	17	11
603	28 02 43 12,7	45,20S	167,29E	33 R	3,8	0,8	9	5
604	28 04 05 34,2	45,15S	167,22E	33 R	4,0	0,7	9	5
605	28 10 04 00,0	36,50S	179,53E	33 R	4,9	2,2	28	15
606	28 20 04 43,4	38,04S	176,56E	167	4,3	1,2	18	10
607	29 03 33 31,6	38,04S	176,33E	217	4,6	1,0	16	8
608	29 11 09 22,8	37,33S	177,54E	271	3,9	1,1	7	5
609	29 20 43 10,1	40,81S	173,48E	33 R	4,0	1,1	18	11
610	30 09 43 45,7	36,90S	176,41E	246	4,0	0,8	8	5

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
69/ 611	OCT 01 11 58 35,1	40,48S	177,10E	12 R	3,8	1,2	21	9
612	02 02 01 01,4	45,20S	167,55E	131	4,0	1,0	9	5
613	02 13 30 55,4	38,48S	175,83E	193	3,8	1,0	10	7
614*	02 18 50 53,8	41,13S	172,81E	12 R	4,2	0,7	25	10
615*	03 01 33 19,0	33,20S	177,36W	33 R	6,5	2,7	29	19
616	03 12 58 04,2	38,14S	175,98E	191	4,0	0,9	12	9
617*	03 15 22 33,5	41,55S	171,89E	12 R	4,0	1,5	28	10
618	06 02 45 05,2	32,38S	178,39W	322	5,6	1,8	12	10
619	06 06 21 40,2	38,72S	175,76E	149	3,9	1,3	12	8
620	07 12 00 23,5	44,94S	167,75E	101	4,1	1,6	12	8
621	08 16 04 55,1	39,71S	174,20E	206	3,9	1,5	11	8
622	08 18 36 43,1	41,18S	177,91E	12 R	4,1	1,4	20	10
623*	09 17 56 34,8	41,58S	171,80E	12 R	3,7	1,4	21	8
624	10 02 03 54,6	37,24S	176,61E	446	4,8	0,9	11	6
625	10 05 41 08,2	43,84S	170,30E	12 R	3,4	1,6	10	9
626	10 05 44 58,9	38,84S	175,90E	130	4,4	1,3	13	11
627	10 15 20 38,8	38,71S	176,29E	104	4,0	0,8	11	7
628	11 17 22 43,7	37,53S	176,60E	266	4,8	1,0	20	12
629	12 13 28 50,3	39,92S	174,35E	12 R	4,2	1,1	29	11
630	12 23 53 25,5	37,45S	178,30E	138	4,3	1,3	14	11
631	13 03 30 41,7	43,36S	170,77E	12 R	3,0	0,6	9	4
632	13 03 45 50,8	45,18S	166,81E	12 R	3,9	1,1	12	5
633	13 21 30 30,2	44,78S	167,40E	33 R	4,0	1,5	15	8
634	14 10 35 04,8	40,58S	174,18E	12 R	3,9	0,8	19	10
635	14 11 01 25,0	37,95S	176,05E	207	4,3	1,4	13	8
636*	14 21 29 40,6	39,28S	174,82E	12 R	4,4	1,1	27	12
637*	15 03 17 22,6	40,96S	175,39E	12 R	4,4	0,9	24	11
638	15 07 15 30,2	39,97S	174,43E	121	4,0	1,1	13	8
639	15 12 01 36,9	37,77S	176,27E	203	4,3	1,3	14	11
640*	16 01 42 03,2	38,77S	176,46E	12 R	2,9	0,4	7	3
641	16 12 32 40,2	44,75S	167,46E	12 R	4,0	1,4	14	6
642	16 16 25 34,6	41,16S	177,75E	12 R	4,0	1,3	22	11
643	17 02 59 20,5	38,96S	175,50E	164	3,9	1,0	12	9
644*	17 16 24 47,1	38,89S	175,23E	213	5,8	1,1	4	11
645	17 18 00 27,3	46,41S	166,39E	12 R	4,6	0,9	16	6
646	18 12 53 46,8	46,75S	169,40E	12 R	4,0	0,9	22	8
647*	19 08 43 37,1	42,02S	171,99E	12 R	3,9	1,3	31	9
648	19 09 05 04,3	41,36S	172,89E	161	3,8	1,2	12	9
649	19 11 11 17,1	46,35S	166,60E	12 R	4,1	1,1	19	6
650	20 07 43 11,0	40,39S	174,05E	121	4,0	1,1	14	10
651	20 14 53 44,8	33,28S	178,67W	471	5,1	0,9	14	9
652	21 05 14 39,5	43,42S	170,77E	12 R	4,0	1,0	26	7
653	21 05 24 05,5	39,30S	177,36E	12 R	4,0	1,2	18	9
654	22 01 41 05,9	38,21S	176,40E	155	4,3	1,1	17	11
655*	22 06 48 50,3	40,20S	174,88E	12 R	4,3	1,0	27	12
656	22 13 40 24,8	34,02S	179,94W	269	4,7	1,4	15	11
657	23 05 49 07,3	36,46S	179,64W	12 R	4,6	1,3	20	15
658	23 19 29 20,4	37,21S	177,03E	308	4,8	1,2	22	14
659	23 00 16 27,9	32,60S	179,89E	428	5,6	1,6	11	7
660	23 15 23 05,0	38,59S	175,87E	162	4,0	0,9	14	9

REF NUM	ORIGIN TIME H M S	LAT DEG	LONG DEG	DEPTH KM	MAG	S E SEC	NUM OBS	NUM STN
69/ 661	OCT 26 04 17 48,7	36,42S	177,74E	259	4,3	1,2	10	8
662	26 12 02 35,0	38,68S	175,70E	153	3,9	1,3	12	9
663	26 21 26 00,6	36,49S	178,20E	249	4,6	0,7	15	10
664	27 08 27 11,0	38,80S	175,52E	129	4,1	0,5	12	9
665	27 22 17 10,4	40,52S	174,33E	12 R	3,9	0,7	19	8
666	28 09 45 41,0	35,72S	179,00E	279	4,6	0,9	15	12
667	28 10 54 22,8	45,22S	167,53E	95	4,0	1,4	6	5
668	28 18 07 55,4	32,05S	179,84W	288	5,2	1,3	9	8
669	28 20 10 00,7	38,68S	175,59E	183	4,4	1,2	15	10
670*	29 05 15 43,4	40,79S	175,66E	92	4,3	1,3	16	11
671	29 12 05 06,2	37,14S	176,85E	326	5,0	1,0	23	14
672	29 14 57 57,4	38,62S	175,69E	140	4,2	1,0	12	9
673	29 16 25 37,7	50,17S	164,62E	33 R	4,2	0,2	7	5
674	30 07 53 04,1	38,98S	175,24E	143	3,7	1,2	14	8
675*	30 12 34 57,1	42,48S	173,63E	12 R	3,6	1,2	21	6
676*	30 12 42 30,6	42,52S	173,66E	12 R	3,1	1,1	10	6
677*	30 14 25 11,7	42,51S	173,64E	12 R	3,3	0,6	15	6
678*	30 14 51 19,5	42,50S	173,66E	12 R	3,4	0,7	20	6
679	31 07 51 47,0	37,18S	176,63E	227	3,8	2,0	7	5
680	31 10 43 40,8	38,70S	175,85E	143	4,0	1,2	14	10
681*	31 11 11 23,5	42,50S	173,71E	12 R	3,7	1,2	20	7
682*	31 11 20 43,4	42,50S	173,74E	12 R	3,7	1,4	20	7
683	31 21 20 04,1	38,53S	175,85E	190	4,0	1,3	12	7
684	NOV 01 06 20 57,0	39,43S	176,13E	12 R	3,7	1,2	18	7
685	01 06 58 18,5	40,16S	173,78E	167	4,0	1,1	7	6
686	01 07 29 55,9	38,58S	175,85E	173	4,0	1,8	11	8
687	01 07 46 02,2	38,78S	176,08E	116	4,0	1,4	12	7
688	01 15 55 22,4	37,89S	177,07E	156	4,1	1,1	11	7
689	02 08 28 23,1	36,34S	177,98E	12 R	4,2	1,3	24	11
690	02 09 11 24,8	36,23S	178,35E	33 R	4,0	1,3	11	7
691	02 09 12 41,9	37,46S	179,36E	33 R	4,1	1,5	17	12
692	02 09 15 34,1	35,54S	178,94E	312	4,3	0,7	12	9
693	02 09 50 58,1	36,31S	177,61E	33 R	4,4	1,2	25	14
694*	02 15 01 20,6	41,04S	172,54E	12 R	3,7	0,9	16	8
695	02 22 42 30,0	38,68S	175,68E	291	3,8	1,6	9	6
696	03 04 56 26,7	39,35S	174,78E	158	3,9	1,9	12	7
697	03 06 45 01,4	36,52S	177,64E	12 R	4,7	0,9	20	10
698	03 06 48 59,2	36,59S	177,62E	12 R	4,4	0,9	14	8
699	03 08 25 12,6	36,39S	177,74E	12 R	4,7	1,0	17	9
700	04 03 26 50,7	36,30S	177,72E	12 R	4,3	1,3	11	8
701	04 23 30 23,9	45,13S	167,69E	143	4,8	1,5	11	7
702	05 00 11 35,3	37,45S	177,53E	185	4,3	1,2	14	9
703	05 19 10 55,3	47,96S	165,02E	33 R	5,1	1,6	12	8
704	05 23 21 09,6	48,55S	166,06E	33 R	4,3	0,9	8	4
705	06 16 31 56,0	42,11S	173,79E	12 R	3,5	1,1	17	8
706	07 09 11 19,3	47,68S	164,67E	33 R	4,6	1,4	10	5
707	07 10 22 55,1	37,52S	176,46E	346	4,5	0,7	15	10
708	08 02 01 08,2	34,17S	179,58E	266	5,0	1,0	20	13
709	08 11 29 45,5	36,86S	177,54E	33 R	3,9	1,1	14	7
710	08 20 11 53,5	38,68S	176,13E	101	3,9	1,3	10	7

REF	NUM	ORIGIN	TIME	LAT	LONG	DEPTH	MAG	S E	NUM	NUM
			H M S	DEG	DEG	KM		SEC	OBS	STN
69/	711	NOV 09	03 10 27,9	38,02S	177,89E	33 R	3,9	0,7	15	8
	712	09	08 30 48,9	46,39S	166,52E	12 R	4,1	0,9	9	4
	713*	10	11 27	NEAR WAIRAKEI (41)						
	714	10	21 52 37,7	38,94S	176,78E	12 R	4,0	0,7	14	9
	715	11	01 05 16,9	36,40S	177,71E	33 R	4,0	1,1	15	7
	716	11	11 43 45,8	38,23S	176,01E	172	4,0	0,8	11	8
	717*	11	13 37 42,7	37,92S	178,89E	33 R	4,9	1,4	16	12
	718	11	14 06 59,8	39,64S	179,40E	33 R	5,0	1,5	14	10
	719	11	16 00 19,4	37,96S	176,35E	168	4,3	0,9	16	10
	720	12	10 07 17,4	32,49S	178,94W	568	5,5	1,8	8	6
	721*	12	18 21 38,7	41,85S	171,78E	12 R	4,3	1,1	30	10
	722*	13	10 29 51,6	39,08S	178,09E	33 R	4,2	1,1	16	10
	723*	13	14 15 38,7	38,71S	177,05E	12 R	4,1	1,2	16	11
	724	13	18 27 45,5	34,49S	179,74E	379	4,3	1,0	13	9
	725	14	05 10 58,1	36,15S	178,56E	240	4,3	1,4	9	6
	726	14	10 26 22,9	41,72S	174,31E	12 R	4,0	1,3	27	9
	727	14	13 03 32,5	41,87S	174,36E	12 R	4,2	1,5	28	10
	728	14	15 27 29,0	37,68S	176,66E	278	4,1	0,8	9	6
	729	14	18 16 21,0	33,90S	178,40W	220	4,3	1,5	11	7
	730	14	21 14 28,7	34,07S	178,37W	241	4,8	0,8	10	8
	731	14	22 40 04,1	37,23S	177,05E	251	4,2	0,9	8	6
	732	14	23 39 27,3	34,84S	179,72E	362	4,6	1,3	10	8
	733	15	00 33 26,8	39,60S	174,37E	217	4,7	1,3	21	12
	734	15	03 21 37,3	33,39S	179,67W	197	4,9	1,2	12	8
	735	15	07 57 52,4	46,87S	166,59E	12 R	4,8	1,3	10	6
	736	15	16 19 45,8	46,42S	166,09E	12 R	5,6	1,2	9	8
	737	15	16 23 32,2	46,38S	166,22E	12 R	4,5	0,8	11	4
	738	15	16 33 30,9	46,22S	166,11E	12 R	4,8	0,8	13	6
	739	15	17 16 23,9	46,41S	165,73E	12 R	4,1	1,3	9	4
	740	15	17 17 24,2	49,91S	166,01E	12 R	4,2	0,6	10	5
	741	15	18 30 29,6	46,01S	165,94E	12 R	4,8	1,2	9	5
	742	17	00 34 07,5	46,31S	166,14E	12 R	4,1	0,5	8	3
	743	17	01 01 06,1	46,56S	165,63E	12 R	4,1	0,6	10	3
	744	17	01 14 41,3	46,34S	165,93E	12 R	4,1	1,0	10	3
	745	17	03 14 30,4	45,98S	165,93E	12 R	4,3	0,7	11	3
	746	17	03 50 07,3	45,88S	166,25E	12 R	4,1	0,8	9	3
	747	17	14 33 55,7	37,34S	177,16E	210	4,2	1,1	13	8
	748	18	02 17 59,0	44,20S	168,74E	12 R	4,0	0,6	12	5
	749	19	01 16 27,7	36,57S	178,33E	33 R	4,0	1,2	9	6
	750*	19	15 57 57,3	38,75S	176,92E	33 R	3,4	0,7	11	5
	751	19	22 08 26,4	41,78S	171,95E	12 R	3,8	0,6	21	7
	752	20	19 22 22,6	45,14S	165,11E	33 R	4,0	0,4	11	4
	753	21	04 57 38,8	40,39S	176,30E	12 R	4,1	1,1	15	10
	754	21	09 34 13,4	46,18S	165,20E	33 R	4,0	0,9	10	4
	755	21	11 38 08,0	40,51S	176,42E	12 R	3,8	0,4	14	7
	756	21	14 50 24,2	38,19S	175,69E	298	4,3	0,6	19	11
	757	21	18 25 27,8	33,64S	177,99W	335	4,1	3,4	7	5
	758*	21	23 29 43,2	38,06S	176,24E	12 R	3,4	0,1	7	7
	759	22	01 49 25,2	31,98S	178,81W	431	5,5	2,2	10	7
	760*	22	04 03 33,1	38,69S	174,45E	12 R	4,5	1,2	23	13

REF	NUM	ORIGIN	TIME	LAT	LONG	DEPTH	MAG	S E	NUM	NUM
			H M S	DEG	DEG	KM		SEC	OBS	STN
69/	761	NOV 22	04 13 53,3	38,37S	176,01E	186	4,0	1,6	13	7
	762	22	18 32 46,3	38,43S	175,95E	171	3,9	1,0	11	8
	763	22	22 22 43,5	40,66S	179,03E	33 R	4,2	1,0	18	12
	764	23	08 15 43,0	47,43S	164,49E	33 R	3,9	0,8	6	4
	765	23	08 48 15,1	41,69S	173,81E	12 R	4,0	0,8	20	9
	766	24	03 20 48,5	41,73S	171,84E	12 R	3,8	0,9	21	8
	767	24	07 09 19,0	35,53S	179,37E	221	4,3	1,1	13	8
	768	24	11 14 42,8	39,22S	174,75E	33 R	3,7	1,2	16	7
	769	24	14 19 23,9	39,14S	175,39E	12 R	3,5	0,4	11	5
	770	24	16 43 24,0	42,05S	177,78E	77	3,8	1,6	13	9
	771	24	19 30 31,9	40,26S	174,95E	12 R	3,4	1,3	12	7
	772	25	13 34 07,9	41,69S	173,49E	12 R	3,4	0,9	13	7
	773*	25	23 42 07,5	36,45S	177,80E	248	5,9	1,0	12	13
	774	26	12 43 37,9	40,86S	179,00E	33 R	3,8	1,0	14	8
	775	26	14 18 25,7	40,97S	176,67E	12 R	3,6	1,2	18	8
	776	26	16 24 57,4	45,45S	167,09E	84	3,6	1,8	6	4
	777*	26	16 57 39,5	38,49S	178,32E	136	4,9	0,9	14	15
	778	28	19 49 23,0	39,05S	175,01E	223	4,1	1,3	12	10
	779*	30	13 38	NEAR ROTORUA						
	780*	DEC 01	18 26 45,4	39,86S	177,00E	33 R	4,1	1,0	11	5
	781	02	01 30 36,3	44,34S	167,79E	12 R	4,3	1,2	15	5
	782	02	13 18 22,2	37,95S	176,33E	229	4,3	0,8	13	8
	783	02	15 19 39,0	42,38S	170,60E	12 R	4,1	0,8	10	5
	784	03	05 59 02,5	44,34S	167,91E	12 R	3,9	1,1	10	4
	785	03	06 32 30,5	44,45S	167,98E	12 R	3,9	0,8	8	4
	786	03	07 14 19,4	44,35S	167,92E	12 R	3,9	0,8	12	4
	787	03	07 24 28,9	38,03S	176,39E	184	4,6	1,3	15	8
	788	04	13 07 17,1	40,80S	174,68E	12 R	4,0	0,7	7	4
	789	04	23 46 54,0	41,53S	171,54E	12 R	3,8	1,2	9	4
	790	05	03 05 05,8	32,35S	179,72W	552	5,6	0,9	11	6
	791*	05	14 47 32,1	40,14S	176,63E	12 R	3,8	1,0	12	4
	792	05	17 42 24,2	45,01S	167,72E	118	4,3	1,1	9	5
	793*	06	06 56 33,3	37,53S	177,58E	12 R	4,8	0,9	15	9
	794	07	04 28 48,1	35,23S	179,99E	12 R	4,9	1,3	15	10
	795	07	13 14 43,0	39,75S	173,09E	12 R	4,1	0,7	18	6
	796	09	17 50 22,3	32,79S	178,63W	438	6,0	1,6	8	5
	797	09	19 34 50,2	40,27S	173,60E	184	4,6	1,6	11	8
	798	09	19 38 21,7	33,97S	176,09W	33 R	5,5	2,2	12	9
	799*	09	22 40 58,8	41,48S	171,97E	12 R	4,0	1,4	16	5
	800	09	22 51 43,6	39,93S	177,20E	12 R	4,1	1,1	15	5
	801	11	05 14 08,3	45,79S	167,19E	12 R	4,4	0,9	13	4
	802	11	09 35 57,3	39,48S	174,36E	204	3,7	1,2	7	4
	803	11	14 51 21,6	34,11S	179,65W	314	4,9	2,5	9	6
	804	11	16 10 14,3	37,25S	177,30E	12 R	4,1	0,9	15	7
	805	12	23 38 57,1	38,11S	177,02E	63	3,8	0,1	7	5
	806*	13	09 26 31,8	38,15S	176,25E	12 R	2,6		0	1
	807	13	14 31 17,9	46,10S	166,16E	12 R	4,6	0,7	23	5
	808	13	16 36 08,0	46,84S	165,20E	12 R	4,0	0,9	11	4
	809	14	07 39 33,4	45,06S	167,63E	81	3,9	0,7	5	3
	810	14	11 04 32,6	46,19S	166,05E	12 R	3,9	0,6	17	4

REF	NUM		ORIGIN TIME			LAT	LONG	DEPTH	MAG	S E	NUM	NUM	
			H	M	S	DEG	DEG	KM	SEC	OBS	STN		
69/	811	DEC	14	17	22	13,5	41,78S	171,74E	12 R	3,8	1,2	25	8
	812		15	09	21	54,5	37,03S	177,53E	254	4,0	0,1	5	3
	813		15	12	23	08,8	41,33S	173,11E	141	3,8	1,2	7	3
	814*		15	15	41	23,9	40,78S	174,20E	121	4,7	1,9	23	13
	815		16	02	50	12,6	41,94S	171,93E	12 R	4,1	0,9	20	7
	816		16	08	19	10,7	45,55S	165,91E	12 R	4,6	1,2	15	5
	817		16	11	45	26,5	40,29S	174,29E	12 R	3,8	1,3	9	4
	818		17	01	01	42,5	38,74S	176,01E	102	4,5	0,6	11	8
	819		17	03	58	46,9	38,96S	175,09E	222	4,6	1,0	15	8
	820		17	04	33	58,6	41,89S	171,85E	12 R	3,7	1,1	13	3
	821		17	18	19	01,6	37,42S	177,87E	33 R	4,2	1,4	6	3
	822		17	20	42	17,8	31,43S	179,70W	486	6,3	2,7	15	11
	823		18	01	29	28,4	45,97S	165,98E	12 R	4,2	1,0	9	4
	824		19	08	36	27,5	36,55S	179,21E	195	4,2	1,0	6	3
	825		19	09	17	52,8	40,88S	175,73E	12 R	3,7	1,3	9	5
	826		20	32	49	42,4	32,84S	179,82W	531	6,0	0,8	10	6
	827		20	35	03	22,7	38,96S	174,46E	12 R	3,5	0,7	8	2
	828		20	12	05	12,5	38,89S	178,33E	12 R	4,0	0,4	8	6
	829		20	12	05	17,8	38,60S	177,91E	33 R	4,1	1,5	9	3
	830		20	17	00	12,1	37,48S	177,64E	12 R	3,8	0,8	9	4
	831		21	04	13	05,5	37,70S	179,80W	12 R	4,1	1,0	12	5
	832		21	05	13	05,7	43,61S	170,81E	12 R	3,6	1,9	12	6
	833*		21	08	08	40,2	41,80S	172,30E	12 R	3,3	0,4	0	2
	834		23	18	48	19,1	39,30S	175,29E	81	3,7	0,4	7	4
	835		24	09	44	58,4	38,26S	179,32E	12 R	4,1	2,1	5	3
	836		24	11	43	38,0	37,77S	176,39E	233	4,4	0,6	12	8
	837		24	13	36	01,1	40,88S	174,42E	12 R	4,1	1,1	13	9
	838		24	15	11	24,1	40,22S	173,41E	204	4,4	1,2	15	9
	839*		25	03	38	44,3	40,04S	175,04E	12 R	4,3	1,1	17	8
	840		26	10	34	07,3	44,99S	167,88E	64	3,6	0,7	6	4
	841		26	14	26	22,0	38,08S	176,04E	211	4,8	1,5	20	12
	842		26	21	16	47,3	45,42S	167,58E	12 R	3,3	0,9	6	2
	843		26	22	41	01,1	45,41S	166,54E	12 R	3,7	0,5	6	3
	844		26	23	05	28,9	39,21S	177,16E	12 R	3,6	1,3	14	5
	845*		27	01	35	57,2	40,94S	174,50E	33 R	4,1	1,7	11	7
	846*		27	19	12	00,4	38,71S	176,12E	122	4,8	1,3	21	15
	847*		27	23	51	42,4	38,72S	176,14E	142	4,5	1,8	21	13
	848		28	01	23	15,0	41,11S	175,06E	33 R	3,5	0,9	8	4
	849		28	21	24	09,2	44,89S	167,73E	81	3,9	1,2	6	4
	850		29	31	27	58,4	39,40S	174,43E	204	4,2	1,6	14	9
	851		29	03	01	36,4	39,66S	177,51E	33 R	4,0	1,5	9	4
	852		29	04	04	50,5	37,90S	176,32E	262	4,0	0,7	6	8
	853		29	09	29	30,9	38,41S	178,68E	33 R	3,9	0,5	8	4
	854		30	09	01	05,9	38,37S	175,87E	203	3,9	1,7	13	8
	855		30	10	24	31,6	38,42S	176,19E	172	3,8	1,2	6	5
	856		30	11	10	10,9	45,20S	167,78E	112	4,0	0,3	5	3
	857		30	14	26	45,4	39,99S	174,66E	33 R	3,6	1,9	10	6
	858		30	20	19	29,3	45,65S	166,09E	12 R	4,3	1,2	9	6
	859		31	06	46	21,4	42,19S	172,44E	12 R	3,6	0,6	10	6
	860		31	09	59	07,9	33,56S	178,55W	374	5,4	0,8	9	7

STATION READINGS FOR NEW ZEALAND EARTHQUAKES

This section contains origin times, epicentres, focal depths, magnitudes, and station readings of those earthquakes in the New Zealand region that could be located from instrumental data. In general, origins are calculated for all sufficiently well-recorded earthquakes within 10° of Wellington. The calculations are carried out by an Elliott 503 digital computer using a programme developed by R.M. Hamilton, similar to that described by B.A. Bolt (Geophysical Journal: Vol. 3, pp. 433-40, 1960). A provisional origin is repeatedly adjusted to obtain the best agreement between observed arrival-times for the various phases, and times computed from tables. More precisely, the origin is adjusted to minimise the sum of the squares of the residuals (observed minus computed arrival-times).

The earthquake origins are determined using the phases Pn, P* and Pg, and the corresponding S phases. In computing travel times, it is assumed that the New Zealand crust is 33 km thick, and is divided into two uniform layers by a discontinuity at a depth of 12 km. Above the discontinuity the velocities of P and S are 5.5 and 3.3 km/sec respectively (Pg and Sg) and below it they are 6.5 and 3.7 km/sec (P* and S*). Travel times for Pn and Sn waves, which travel in the mantle, are derived from the Jeffreys-Bullen "Seismological Tables" (British Assn. for the Advancement of Science, 1958), but modified by multiplying the times by 0.96. Several studies have shown that times in the table are too great to fit the New Zealand observations. The result of applying this correction is to raise the adopted Pn velocity from about 7.8 to 8.1 km/sec, and the Sn velocity from about 4.4 to 4.6 km/sec. These values are close to those reported.

In general, all four parameters of the earthquake origin are calculated (origin time, latitude, longitude, and focal depth). In some cases, however, the focal depth is not allowed to vary, but is restricted to a certain depth. This is most commonly done for crustal earthquakes, which are assigned nominal depths of either 12 or 33 km, according to the crustal phases present, and to the goodness of fit of the resultant solutions. Parameters that have been restricted are identified by the letter R appearing in the place where the standard error is usually printed.

Solutions are attempted whenever sufficient readings are available. The minimum requirement to determine an epicentre is a total of three readings at two stations, plus a felt report to resolve the ambiguity.

In using the results in this section, it is essential to keep in mind that the position of earthquakes whose epicentres lie outside the network of seismograph stations can be very uncertain, even though the readings may be consistent with the computed origin (i.e., the residuals are small). Because of the presence of systematic errors, the true origin could be very different from the one calculated. Great care should therefore be taken not to attach significance to an epicentre in an unusual place or a focus at an unusual depth if the recording stations used are not well distributed about the epicentre.

E 34
 GPZ SN 14 10 35 -3.4* 4,90 217 5,0
 MJZ EPN 14 10 02 -0.2 6,22 226
 SN 11 09 +1.2
 FELT HAWKES BAY, MAXIMUM INTENSITY MM V AT MT VERNON AND
 HAIPAWA (60)

H M S		39,01S 176,09E		154 KM	SE 1,8	AVG MAG	69/00				
+ 1,5		0,09 0,09		14							
H M S		DIR RES		DIST AZ	W-A	W P	W S				
CNZ	P	23 01	27,3	-1,0	0,47	246					
TUA	IP	23 01	30,2	-0,4	0,85	77	4,7	4,8			
	S		47	-2,1							
TNZ	EP	23 01	35,3	0,2	1,34	262	4,6				
GNZ	IP	23 01	38,1	0,9	1,55	77	4,6	4,2			
	S		58								
MNG	IP	23 01	41,0	D	2,5	1,67	196	4,3	4,4		
	S		45								
	S		02 04	0,9							
	S		10								
ECZ	EP	23 02	18		2,33	56	4,5	4,3			
WEL	P	23 01	50	1,8	2,49	204	4,1	4,1	4,2		
	S		02 21	0,9							
COB	P	23 01	59	0,3	3,31	230	4,1	4,3			
	S		02 39	0,3							
KAI	EP	23 03	19	0,8	5,00	224	4,4				
GPZ	S	23 03	24	-2,6	5,35	208	4,8				
MJZ	S	23 03	52	-2,7	6,52	219					
JAN 02											
H M S		38,01S 176,76E		192 KM	SE 1,2	AVG MAG	69/00				
+ 1,7		0,13 0,14		16							
H M S		DIR RES		DIST AZ	W-A	W P	W S				
TUA	EP	01 02	55	0,5	0,86	159	4,2	4,2			
	S		03 17	0,8							
GNZ	IP	01 02	57	0,2	1,18	123	3,9	3,8			
	S		03 19	-1,4							
MNG	IP	01 03	14,2	0,9	2,79	200	4,2	3,6			
	S		50,8	0,9							
COB	S	01 04	24	-1,1	4,38	224	3,7				
JAN 02											
H M S		40,79S 176,56E		33 KM	SE 0,5	AVG MAG	69/00				
+ 0,6		0,03 0,03		2							
H M S		DIR RES		DIST AZ	W-A	W P	W S				
CAZ	IP	04 20	33,2	D	-0,3	0,27	245				
	S		38	-0,7							
MNG	IP	04 20	41,1	U	0,2	0,83	282	4,4	4,2		
	S		51,3	-0,4							
WEL	IP	04 20	49,3	0,1	1,44	249	3,5	4,3	3,9		
	S		56,7								
	S		21 37	0,5							
	S		12	0,4							
CNZ	EP	04 20	58	0,1	1,77	334					
COB	EP	04 21	09	-0,4	2,91	263	4,0	3,9			
	S		18	0,7							
	S		52	-3,6*							
JAN 02											
H M S		41,05S 176,78E		12 KM	SE 0,5	AVG MAG	69/00				
+ 0,7		0,03 0,03		2							
H M S		DIR RES		DIST AZ	W-A	W P	W S				
CAZ	IP	07 19	24,5	D	1,1	0,42	290				
	S		28,5	-0,5							
MNG	IP	07 19	33,3	U	-0,4	1,05	294	4,7			
	S		44								
WEL	P	07 19	41,1	-0,5	1,51	260	3,6	4,4	4,1		

	PG		45	-0,3							
	SN		48,5								
	S*		20 02	0,2							
	SS		06	0,2							
GNZ	IP	07 19	49	-2,0*	2,06	333					
GNZ	IP	07 20	17		2,59	23				3,5	
COB	IP	07 20	02	0,3	3,74	268				4,2	4,0
	SN		10								
	S*		37	0,0							
	S*		47,5	-0,0							

H M S		43,13S 167,75E		129 KM	SE 1,6	AVG MAG	69/008				
+ 1,0		0,03 0,06		9							
H M S		DIR RES		DIST AZ	W-A	W P	W S				
YSZ	IP	10 25	41,3	U	-0,6	0,48	14				
MNW	IP	10 25	41,4	U	-1,6	0,65	188				
ROX	IP	10 25	49,5	D	1,9	1,16	108	5,6			
	S		26 08	1,5							
WPZ	IP	10 25	53,6	D	-0,1	1,71	134	5,8	5,8		
	S		26 16	-1,2							
MJZ	IP	10 26	00	DSE	-0,4	2,25	60	5,2	5,4		
	S		30	1,0							
KAI	EP	10 25	20	0,3	3,71	47	5,7				
	S		27 03,5	0,2							
GPZ	EP	10 26	21,5	0,8	3,79	69	5,7				
	S		27 05	-0,0							
COB	P	10 26	41,8	-1,1	5,44	44	5,2	5,4			
	S		27 42	-2,9							
WEL	P	10 26	56	0,0	6,41	56	5,5				
	S		28 07	-1,2							
MNG	IP	10 27	04		7,25	54					
	S		29 37	3,4*							
ONE	IP	10 27	56	3,8	10,61	31	5,6				
	S		29 45								
CIZ	ES	10 30	04	-0,5	11,26	90					
FELT THROUGHOUT SOUTHLAND AND OTAGO, MAXIMUM INTENSITY MM V											
JAN 02											
H M S		37,68S 177,19E		174 KM	SE 0,5	AVG MAG	69/009				
+ 0,5		0,05 0,06		8							
H M S		DIR RES		DIST AZ	W-A	W P	W S				
ECZ	IP	11 19	32,4	U	-0,4	1,08	91	5,0	4,4		
	S		54	-0,4							
TUA	P	11 19	33,8	0,6	1,13	181	4,6	4,7			
	S		55	-0,1							
GNZ	P	11 19	34	0,9	1,17	146	4,3	4,4			
	S		56	0,3							
MNG	P	11 19	57	0,4	3,22	204	3,9	4,0			
	S		20 36	-0,4							
WEL	S	11 20	55	-0,4	4,06	207	4,6	4,4			
COB	EP	11 20	17	-0,4	4,85	224	3,9				
	S		21 14	0,4							
JAN 02											
H M S		38,25S 175,97E		180 KM	SE 1,2	AVG MAG	69/010				
+ 1,0		0,10 0,10		14							
H M S		DIR RES		DIST AZ	W-A	W P	W S				
CNZ	P	14 13	42	1,6	1,01	199					
TUA	P	14 13	41,5	0,5	1,08	121	4,1	4,5			
	S		14 01	-2,0							
GNZ	P	14 13	46,5	0,2	1,66	104	4,0	4,0			
	S		14 10								
ECZ	IP	14 13	51,0	U	-0,1	2,11	78	4,9	4,2		
	S		14 21	0,1							
MNG	IP	14 13	54,8	U	0,4	2,40	189	4,9	3,8		
	S		14 29	2,3							
CAZ	P	14 13	57	-0,6	2,66	176	4,8				

		H	M	S														
	WEL	P	14	14	03,5	-0,3	3,17	197	4,2	4,4	4,1							
		S			43	-0,4												
	COB	EP	14	14	11,5	0,1	3,78	220		3,9	4,0							
		S			56	-0,9												
	KAI	ES	14	15	36	-1,0	5,51	218	4,5									
JAN 04	H	M	S															
	08	22	37,7	42,28S	174,00E	33 KM	SE	1,4	AVG MAG	69/ 011	3,8							
			0,7	0,04	0,04	R												
	WEL	IPN	08	22	56,1	U	-0,6	1,15	30	3,5	4,4	4,0						
		SN			23	11	0,1											
	COB	PN	08	23	01,7		-0,1	1,52	321		4,2	4,0						
		ESN			20		0,1											
	GPZ	SN	08	23	24		-1,0	1,73	215	3,1								
		S*			34													
	KAI	S*	08	23	39		1,2	1,93	252	3,4								
	MNQ	PN	08	23	08		-0,4	2,00	34		3,9	3,4						
		E			11													
		ESN			34		2,5											
	TNZ	E	08	23	28			3,10	6		3,8	3,7						
		S*			24	11	-1,8											
JAN 04	H	M	S															
	08	27	07,0	42,09S	173,90E	12 KM	SE	1,0	AVG MAG	69/ 012	3,9							
			0,3	0,02	0,02	R												
	WEL	IP*	08	27	26,3	D	0,5	1,04	39	3,7	4,3	4,2						
		S*			40		0,3											
		SG			41,8		-0,3											
	COB	IP*	08	27	32,3	D	1,5	1,33	319		4,2	4,3						
		E			48													
		S*			50,3		1,6											
	GPZ	EPQ	08	27	45		0,6	1,85	210	3,3								
		ESN			58	02	1,4											
		S*			04		-0,2											
	MNQ	PN	08	27	38		-0,4	1,89	39		4,1	3,6						
		P*			41,5		1,0											
		PG			45		-0,3											
		S*			58	05	-0,5											
		SG			10		-0,9											
	KAI	EPQ	08	27	45		-0,4	1,90	256	3,5								
		ESN			58	01	-0,7											
		SG			09		-2,0											
	TNZ	EP*	08	27	57		-1,1	2,93	7		4,0	3,8						
		S*			58	40	3,4*											
		EP*			08	58	02	0,0	3,15	24								
		S*			47													
JAN 04	H	M	S															
	16	48	14,1	41,97S	171,94E	12 KM	SE	1,4	AVG MAG	69/ 013	4,9							
			0,4	0,03	0,03	R												
	KAI	P*	16	48	26,8	DIR	0,0	0,68	215	4,5								
		S*			33,5		-0,6											
	COB	IP*	16	48	34,1	U	0,7	1,07	34									
		PN			16	48	43,9	-0,4	1,80	164	4,7							
		SN			49	05,5	-1,0											
	WEL	P*	16	48	52,5	S	-0,8	2,23	73	4,7	5,2	5,0						
		I			49	04,5												
		S*			22,5		-0,2											
		E			34													
	MJZ	PN	16	48	51		0,2	2,29	208		4,9	4,8						
		IPQ			49	00,5	0,2											
		SN			20		1,5											
		SG			29		-2,2											
	MNQ	IPN	16	49	02,1	U	1,5	2,99	64		5,1	5,1						
		P*			07,5		1,2											

LOCAL EARTHQUAKES

		H	M	S														
		SN			39		3,3*											
		S*			46		0,4											
		SG			56		1,1											
TNZ	EPN		16	49	07		1,7	3,35	35		4,9	4,8						
	EPQ				20		-1,7											
	S*				54		-2,3											
	ESG				50	07	0,1											
					31													
CAZ			16	49	16			3,39	73		5,2	5,1						
	SG				50	09	0,5											
GNZ			16	49	17			3,90	46									
	PG				31		-2,0											
					50	18												
ROX			16	49	26			3,98	208		4,6	4,7						
	SN				58		-1,4											
	SG				50	28	-0,4											
MNW		PN	16	49	27		0,4	4,92	218		4,7	4,7						
	EP*				48													
	SN				50	25	3,0											
FELT NORTHERN WESTLAND, MAXIMUM INTENSITY MM IV																		
JAN 04	H	M	S															
	19	26	23,5	41,83S	172,02E	12 KM	SE	1,6	AVG MAG	69/ 014	3,7							
			0,7	0,03	0,04	R												
	KAI	E	19	26	43													
		S*			52		1,8											
		ESG			54		2,2											
	COB	IP*	19	26	39,5	U	-0,7	0,91	36		4,1	4,2						
		S*			51,2		-1,5											
	GPZ	E	19	27	06			1,92	166	3,1								
		S*			22,5		-0,5											
		ESG			28		-0,5											
	WEL	S*	19	27	29		-0,3	2,13	76	3,5		3,8						
	MJZ	S*	19	27	37		-1,5	2,44	207									
		SG			44		-											

		SN	42 18	1,1					
		S*	31	0,4					
JAN 10	H M S 05 47 58,5 + 0,5	33,71S	178,75W	272 KM	SE	0,3	AVG MAG	67/ 023	5,2
		0,06	0,10	7					
		4 4 S	DIR	RES	DIST	AZ	H-A	W P	W S
ECZ	P	05 49 10,5		0,3	4,54	208	5,3	5,0	
	S	50 06		-0,1					
TUA	S	05 49 28,5		-0,1	6,07	212			
	SS	50 39		-0,1					
KRP	P	05 49 31		0,0	6,26	226			
MNG	P	05 49 56		-0,3	8,29	212			
	SS	51 29		0,3					
JAN 10	H M S 06 57 01,8 + 0,3	41,69S	172,00E	12 KM	SE	0,9	AVG MAG	69/ 024	4,0
		0,02	0,02	2					
		4 4 S	DIR	RES	DIST	AZ	H-A	W P	W S
COB	P	06 57 16,8	U	-0,0	0,81	43			
	S	27		-1,0					
KAI	P	06 57 19,3		0,2	0,95	208	3,9		
	S	31		-1,0					
GPZ	EPV	06 57 35		-0,6	2,06	167	3,8		
	EP*	40		1,8					
	SN	58		-2,5*					
	S	58 06		0,5					
HEL	P	06 57 39,7		0,5	2,12	80	3,9	4,2	4,2
	S	59 07		-0,1					
MJZ	EPV	06 57 42,5		-0,0	2,56	206			
	SV	55 14		0,9					
	S	21,5		1,0					
MNG	EPV	06 57 46		-0,3	2,84	69	4,3	4,0	
	P	53		1,5					
	S	55 25		-2,8*					
	H	34							
MSZ	EPV	06 58 05		0,1	4,22	224	3,9	4,0	
	SV	52		-0,8					
	SSG	59 24		-0,1					
KRP	SS	06 59 38		-0,3	4,64	37			
FELT WESTPORT (79) AND MURCHISON (60), MM IV									
JAN 10	H M S 09 22 30,3 + 0,8	37,47S	176,51E	247 KM	SE	0,6	AVG MAG	69/ 025	4,5
		0,04	0,03	5					
		4 4 S	DIR	RES	DIST	AZ	H-A	W P	W S
KRP	P	09 23 24,6		0,0	0,89	239			
	S	51,5		0,1					
TUA	P	09 23 28		-0,2	1,43	159	4,6	4,7	
	S	57		-0,3					
ECZ	P	09 23 30,1		0,3	1,64	98	4,8	4,6	
	S	24 00		-0,2					
GNZ	P				1,67	135	4,8	4,3	
MNG	P	09 23 45,7		-0,0	3,24	194	4,4	4,2	
	S	24 30		1,2					
HEL	S	09 24 44,5		-0,7	4,04	199	4,6	4,3	
COB	S	09 24 58		-0,3	4,65	218		4,2	
JAN 11	H M S 17 14 10,7 + 2,1	38,74S	175,92E	141 KM	SE	1,5	AVG MAG	69/ 026	3,8
		0,07	0,05	17					
		4 4 S	DIR	RES	DIST	AZ	H-A	W P	W S
GNZ	P	17 14 30		-1,5	0,55	212			
KRP	S	17 14 52		0,7	0,86	339			
TUA	P	17 14 34,5		-0,0	0,96	95	4,4	4,3	
	SS	36,5							
	S	52		-0,8					
GNZ	P	17 14 42,5		1,2	1,65	87	3,6	3,5	

LOCAL EARTHQUAKES

		SN	52,5						
		S*	15 16						
MNG	P	17 14 43,6		-1,0	1,91	190	4,1	3,7	
	S	47,3							
HEL	P	17 15 06		1,4	2,70	199	3,8	3,6	3,6
	SS	36							
JAN 11	H M S 22 33 39,5 + 0,8	34,09S	179,22W	262 KM	SE	0,6	AVG MAG	69/ 027	4,9
		0,09	0,17	13					
		4 4 S	DIR	RES	DIST	AZ	H-A	W P	W S
ECZ	P	22 34 45,5		0,8	4,03	206	5,1	4,8	
	SS	55 35		-0,4					
TUA	P	22 35 02,5		-0,3	5,34	211	4,9	4,8	
	SS	56 08		0,0					
KRP	P	22 35 05		0,0	5,72	226		4,3	
MNG	P	22 35 30		-0,6	7,76	211			
	SS	55 58		0,4					
HEL	SS	22 57 17		0,0	8,62	212	5,5		
JAN 12	H M S 01 13 04,3 + 0,6	35,98S	176,88E	312 KM	SE	0,5	AVG MAG	69/ 028	4,6
		0,04	0,05	5					
		4 4 S	DIR	RES	DIST	AZ	H-A	W P	W S
KRP	P	01 13 48,4		-0,0	1,41	228			
ECZ	P	01 13 48,7		-0,4	1,52	118	4,7	4,4	
	SS	14 24		0,2					
TUA	P	01 13 51,3		0,1	1,84	173	4,7	4,8	
	S	14 27		-0,7					
GNZ	P	01 13 51,9	U	0,3	1,90	151	4,7	4,7	
	S	14 29		0,5					
MNG	P	01 14 09,3		0,0	3,79	196	4,8	4,1	
	SS	59,5		-0,7					
HEL	P	01 14 18		-0,2	4,50	200	4,8	4,3	4,5
	S	15 17		0,9					
COB	SS	01 14 24,3			5,21	217		4,1	
	SS	15 29		0,4					
GPZ	S	01 16 15		-0,4	7,44	204			
JAN 12	H M S 07 53 10,8 + 2,3	38,03S	179,33E	94 KM	SE	1,4	AVG MAG	69/ 029	4,1
		0,09	0,11	27					
		4 4 S	DIR	RES	DIST	AZ	H-A	W P	W S
ECZ	P	07 58 26,3		-1,7	0,71	298	4,5	4,3	
GNZ	P	07 58 34,3		0,7	1,19	239	3,9	3,8	
TUA	P	07 58 44		2,0	1,88	245	4,4	4,2	
	SS	59 00							
KRP	P	07 58 57,5		0,1	3,00	271			
	S	59 33		0,5					
MNG	P	07 59 10,4		-0,0	3,95	228	3,8	3,5	
	SS	56		0,2					
HEL	SS	08 00 16		-0,7	4,79	225	4,4	4,0	
COB	SS	08 00 44		-1,0	5,94	237		3,9	
JAN 12	H M S 11 27 54,8 + 0,9	36,27S	178,10E	273 KM	SE	0,9	AVG MAG	69/ 030	4,5
		0,04	0,06	7					
		4 4 S	DIR	RES	DIST	AZ	H-A	W P	W S
ECZ	P	11 28 34,7		-0,8	1,47	166	4,9	4,6	
	SS	59							
GNZ	P	11 28 43,0	U	0,2	2,37	181	4,5	4,5	
	SS	29 20							
KRP	P	11 28 46,5		1,0	2,64	230			
	S	29 25		0,1					
TUA	P	11 28 46,2		0,6	2,65	196	4,5	4,7	
	SS	29 24,5		-0,6					
ONE	SS	11 29 49		-0,8	3,07	278	3,9		

		H	M	S			U										
MNG	IP	11	29	10,2	0,7	4,81	205		4,2	4,2							
	S		30	09	1,0												
WEL	S	11	29	19,5	-0,2	5,55	206		5,1	4,2	4,4						
	S		30	25,5	-0,6												
COB	S	11	30	43	0,6	6,39	219										
GPZ	ES	11	31	29	-1,1	8,52	208		5,0								
JAN 12																	
H	M	S					12	KM	SR	1,3	AVG	MAG	69/	031			
13	15	09,2	40,89S	175,24E	0,02	0,02						4,7					
FELT WELLINGTON PROVINCE, MAXIMUM INTENSITY AT MASTERTON (66)																	
			H	M	S	DIR	RES	DIST	AZ	W-A	W	P	W	S			
MNG	IP*	13	15	15,6													
WEL	IP*	13	15	20,5	USW	1,1	0,53	222		4,5	4,8	4,7					
	S*			28,8		2,0											
CAZ	S*	13	15	23,4		0,3	0,75	91		5,1	5,4						
	SG			36		1,3											
GNZ	MPV	13	15	39		0,8	1,71	8									
	MSG			46													
	S*			16	06	-1,9											
TNZ	S*	13	15	42		0,4	1,83	339		4,8	5,0						
	S*			16	07	1,2											
	S*			11		0,1											
COB	IPV	13	15	41,3	D	0,5	1,91	263									
TJA	IPV	13	15	47		-2,8	2,55	36		4,7	4,6						
	S*			55		1,1											
	S*			16	04												
	S*			19													
KRP	MPV	13	15	55		-0,5	2,97	5		4,6	4,6						
	S*			16	41	0,8											
	S*			47													
GNZ	MPV	13	15	59		-2,2	3,11	45		4,1	4,2						
	S*			16	20												
KAI	MPV	13	15	59		-0,8	3,30	239		4,7							
	S*			16	17												
	S*			37		-1,0											
	S*			34													
GPZ	MPV	13	15	00		-1,2	3,40	214		4,4							
	S*			12													
	S*			36		-4,4*											
ONE	MPV	13	16	35			5,15	352		4,6							
452	MPV	13	16	43		-0,9	6,58	233									
	S*			55													
FELT WELLINGTON PROVINCE, MAXIMUM INTENSITY AT MASTERTON (66)																	
			H	M	S							69/	032				
JAN	13	08	46	15,7	38,47S	176,80E	101	KM	SE	1,6	AVG	MAG	4,9				
				0,9	0,05	0,05											
			H	M	S	DIR	RES	DIST	AZ	W-A	W	P	W	S			
TJA	IP	08	46	31,3	U	-1,1	0,44	141									
	S			45													
WVZ	S	08	46	25,5			0,57	253		5,0	5,1						
	S			50													
GNZ	S	08	46	37,7	D	0,5	0,98	101		4,9	5,1						
	S			40,4													
	S			39													
KRP	IP	08	46	39,2	DSE	0,1	1,13	298		4,4							
	S			54,6		-1,4											
GNZ	S	08	46	42,3		2,1	1,22	233									
	S			47	01												
ECZ	S	08	46	45,3		0,7	1,58	51		5,1	4,9						
	S			48,5													
	S			47	11,5												
TNZ	S	08	46	52		1,9	2,02	248		4,5							
GBZ	S	08	46	55,3	U	-0,0	2,48	335									
WEL	S	08	47	06,6		0,1	3,22	208		5,0	4,7	5,2					
	S			16													

LOCAL EARTHQUAKES

		H	M	S			U										
	S			43													
	S			57,5													
COB	S	08	47	17					-1,3	4,08	229		4,7	4,7			
	S			22													
	S			48	07				1,8								
KAI	S	08	47	45,5						5,77	224		5,0				
	S			48	45												
GPZ	S	08	48	49					-5,7*	5,10	210		4,9				
WVZ	S	08	48	00					-2,2	7,29	219						
	S			49	15												
FELT STRONGLY MAUNGATAPUHI (42)																	
		H	M	S							69/	033					
JAN	13	12	40	32,0	40,87S	174,90E	33	KM	SE	1,3	AVG	MAG	3,9				
				0,7	0,04	0,06											
		H	M	S	DIR	RES	DIST	AZ	W-A	W	P	W	S				
WEL	IPV	12	41	02,1	U	0,9	0,43	194		4,0							
	S			07,5		-0,3											
COB	IPV	12	41	19		1,0	1,66	262		3,9	3,9						
	S			38		0,5											
GNZ	ESV	12	41	39		-0,6	1,74	17									
KRP	ESV	12	42	47			2,98	10									
KAI	ESV	12	42	11		-1,5	3,09	237		3,7							
FELT OHAU (65)																	
		H	M	S							69/	034					
JAN	14	10	11	03,4	38,27S	175,51E	137	KM	SE	0,3	AVG	MAG	3,9				
				0,3	0,04	0,03											
		H	M	S	DIR	RES	DIST	AZ	W-A	W	P	W	S				
GNZ	EP	10	11	38		-0,2	2,01	101		3,8	3,6						
	S			12	05	0,2											
MNG	IP	10	11	42,7	D	0,2	2,35	180		4,0	4,1						
	S			12	12	-0,3											
WEL	S	10	12	29		0,1	3,07	190		4,1	4,0						
COB	S	10	11	58		-0,1	3,53	216		3,9	3,7						
	S			12	40	0,1											
FELT OHAU (65)																	
		H	M	S							69/	035					
JAN	14	13	07	41,8	33,69S	179,34W	356	KM	SE	1,8	AVG	MAG	4,6				
				2,6	0,44	0,60											
		H	M	S	DIR	RES	DIST	AZ	W-A	W	P	W	S				
ECZ	EP	13	08	56		0,8	4,35	203		4,8	4,5						
	S			09	51	-1,8											
GNZ	S	13	09	07		3,6	5,38	203		4,3	4,2						
	S			10	15	2,2											
MNG	EP	13	09	36		-1,4	8,05	209									
	S			11	08	-0,5											
WEL	S	13	11	26		-0,8	8,01	210		5,3							
COB	S	13	11	45		1,0	9,70	218									
FELT OHAU (65)																	
		H	M	S							69/	036					
JAN	16	01	29	49,5	38,56S	176,00E	12	KM	SE	1,1	AVG	MAG	3,2				
				0,6	0,04	0,05											
		H	M	S													

		H	M	S																	
CAZ	IP	04	12	15	-0.9																
	S				0.6	1.86	108			5.0	5.0										
	S				3.4																
KRP	P	04	12	17.3	0.6	2.73	28			4.1	4.2										
	S				-0.4																
KAI	ES	04	12	51	-1.7	2.87	220			4.0											
GPZ	S	04	13	02	-5.2	3.48	195			4.8											
GNZ	S	04	13	09	-1.6	3.61	63				4.3										
69/ 038																					
JAN 16	H M S	16	56	10.9	37.85S	176.45E	171 KM	SE	0.5	AVG MAG	3.8										
					0.03	0.02															
	H M S																				
KRP	IP	16	56	36.4	U	0.5	0.73	264													
	S					-0.3															
GNZ	P	16	56	42	-0.0	1.47	123			3.4	3.4										
	S				-0.0																
MNG	P	16	56	58	-0.2	2.87	195			3.8	3.8										
	S				0.5																
WEL	ES	16	57	52	-0.4	3.67	200			4.2	3.9										
69/ 039																					
JAN 19	H M S	12	44	30.6	40.53S	175.67E	12 KM	SE	1.3	AVG MAG	4.0										
					0.03	0.02															
	H M S																				
MNG	IP	12	44	36.7	DIR	RES	DIST	AZ		W-A	W P	W S									
	P					2.1	0.17	236													
CAZ	P	12	44	40	-1.5	0.57	132			4.5	4.7										
	S				-0.2																
WEL	IP	12	44	49.0	U	-0.1	1.02	222		3.4	3.9	3.9									
	EPG					0.6															
	S				-0.2																
COB	IP	12	45	08	0.9		2.29	255		4.1	4.0										
	EPG				-2.1																
	S				-0.0																
KRP	IP	12	45	17	0.8		2.60	358													
	EPG				-1.4																
	S				1.4																
GNZ	EPG	12	45	25			2.62	45		3.5											
FELT PA VALLEY (65) 4M III																					
69/ 040																					
JAN 20	H M S	09	17	43.4	37.26S	176.73E	294 KM	SE	0.9	AVG MAG	4.3										
					0.07	0.05															
	H M S																				
KRP	P	09	18	24	-0.2	1.16	235														
ECZ	EP	09	18	26.5	0.1	1.51	107			4.4											
TUA	P	09	18	27.4	0.6	1.58	168			4.5	4.5										
	S				0.6																
GNZ	IP	09	18	27.5	U	0.1	1.72	144		4.4	4.3										
	ES				-1.2																
MNG	P	09	18	44	-0.2	3.49	196			4.3	4.0										
	S				1.3																
WEL	ES	09	19	47	-0.5	4.30	200			4.6	4.2										
COB	S	09	20	00	-0.5	4.93	219			3.8											
GPZ	S	09	20	48		7.14	205			4.9											
69/ 041																					
JAN 20	H M S	09	20	50.5	41.94S	173.61E	33 KM	SE	0.5	AVG MAG	3.9										
					0.05	0.03															
	H M S																				
COB	IP	09	21	08.4	D	-0.1	1.77	322													
WEL	P	09	21	10.3	-0.2	1.08	54			3.8	4.0	4.4									
	S				0.6																
KAI	S	09	21	45	0.2	1.74	249			3.3											
MNG	IP	09	21	20.3	D	0.1	1.93	48			4.1	4.0									
	P				-0.7																
	S				0.0																
KRP	S	09	22	40		4.27	21														

		H	M	S																	
JAN 20	H M S	18	40	26.8	41.80S	173.10E	33 KM	SE	1.8	AVG MAG	3.8										
					0.04	0.04															
	H M S																				
COB	IP	18	40	40.6	DIR	RES	DIST	AZ		W-A	W P	W S									
	S					0.1	0.76	339													
WEL	S	18	40	55	-0.9					1.35	68	3.4	3.7	4.1							
	S					2.8															
KAI	IP	18	40	51.3						1.3	1.45	239	3.7								
	S					1.4															
GPZ	S	18	41	25	-1.8					1.93	190	3.4									
MNG	IP	18	40	59	-0.6					2.15	58		3.9	3.7							
	S				-0.6																
	S				-1.8																
69/ 043																					
JAN 23	H M S	13	58	28.0	39.66S	174.29E	213 KM	SE	1.2	AVG MAG	4.0										
					0.08	0.07															
	H M S																				
MNG	IP	13	59	02.6	DIR	RES	DIST	AZ		W-A	W P	W S									
	S					1.0	1.33	137													
WEL	ES	13	59	34	1.1	1.67	167			3.7	3.9	3.9									
COB	IP	13	59	07.6	1.2	1.86	219			4.5	3.6										
	S				-0.0																
KRP	P	13	59	07.5	0.2	1.99	30														
TUA	EP	13	59	12	0.3	2.38	70														
	S				-1.0																
GNZ	P	13	59	19.3	0.3	3.07	72						3.9	3.6							
	S																				
KAI	S	14	00	09	-1.8	3.60	216			4.1											
69/ 044																					
JAN 23	H M S	15	18	02.6	34.44S	179.56E	322 KM	SE	1.5	AVG MAG	5.3</										

COB	IP	15 49 42,6	D	-0,3	1,70	219	4,7	4,2
	S <td>50 06 <td></td> <td>-0,2 <td></td> <td></td> <td></td> <td></td> </td></td>	50 06 <td></td> <td>-0,2 <td></td> <td></td> <td></td> <td></td> </td>		-0,2 <td></td> <td></td> <td></td> <td></td>				
KRP <td>S <td>15 50 13 <td></td> <td>-0,8 <td>2,14 <td>31 <td></td> <td></td> </td></td></td></td></td>	S <td>15 50 13 <td></td> <td>-0,8 <td>2,14 <td>31 <td></td> <td></td> </td></td></td></td>	15 50 13 <td></td> <td>-0,8 <td>2,14 <td>31 <td></td> <td></td> </td></td></td>		-0,8 <td>2,14 <td>31 <td></td> <td></td> </td></td>	2,14 <td>31 <td></td> <td></td> </td>	31 <td></td> <td></td>		
TUA <td>EP <td>15 49 53 <td></td> <td>1,4 <td>2,53 <td>69 <td>3,9 <td>4,2</td> </td></td></td></td></td></td>	EP <td>15 49 53 <td></td> <td>1,4 <td>2,53 <td>69 <td>3,9 <td>4,2</td> </td></td></td></td></td>	15 49 53 <td></td> <td>1,4 <td>2,53 <td>69 <td>3,9 <td>4,2</td> </td></td></td></td>		1,4 <td>2,53 <td>69 <td>3,9 <td>4,2</td> </td></td></td>	2,53 <td>69 <td>3,9 <td>4,2</td> </td></td>	69 <td>3,9 <td>4,2</td> </td>	3,9 <td>4,2</td>	4,2
	S <td>50 23,5 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	50 23,5 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
GNZ <td>S <td>15 50 00 <td></td> <td></td> <td>3,22 <td>71 <td>3,7 <td>4,1</td> </td></td></td></td></td>	S <td>15 50 00 <td></td> <td></td> <td>3,22 <td>71 <td>3,7 <td>4,1</td> </td></td></td></td>	15 50 00 <td></td> <td></td> <td>3,22 <td>71 <td>3,7 <td>4,1</td> </td></td></td>			3,22 <td>71 <td>3,7 <td>4,1</td> </td></td>	71 <td>3,7 <td>4,1</td> </td>	3,7 <td>4,1</td>	4,1
	S <td>40 <td></td> <td>-1,0 <td></td> <td></td> <td></td> <td></td> </td></td>	40 <td></td> <td>-1,0 <td></td> <td></td> <td></td> <td></td> </td>		-1,0 <td></td> <td></td> <td></td> <td></td>				
KAI <td>S <td>15 50 45 <td></td> <td>-1,1 <td>3,44 <td>216 <td>4,1 <td></td> </td></td></td></td></td></td>	S <td>15 50 45 <td></td> <td>-1,1 <td>3,44 <td>216 <td>4,1 <td></td> </td></td></td></td></td>	15 50 45 <td></td> <td>-1,1 <td>3,44 <td>216 <td>4,1 <td></td> </td></td></td></td>		-1,1 <td>3,44 <td>216 <td>4,1 <td></td> </td></td></td>	3,44 <td>216 <td>4,1 <td></td> </td></td>	216 <td>4,1 <td></td> </td>	4,1 <td></td>	
GPZ <td>E <td>15 50 55 <td></td> <td></td> <td>4,08 <td>195 <td>4,4 <td></td> </td></td></td></td></td>	E <td>15 50 55 <td></td> <td></td> <td>4,08 <td>195 <td>4,4 <td></td> </td></td></td></td>	15 50 55 <td></td> <td></td> <td>4,08 <td>195 <td>4,4 <td></td> </td></td></td>			4,08 <td>195 <td>4,4 <td></td> </td></td>	195 <td>4,4 <td></td> </td>	4,4 <td></td>	

JAY 23 20 18 39,9 38,41S 176,09E 192 KM SE 1,3 AVG MAG 69/ 046
 + - 1,3 0,05 0,09 9 4,2

	H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
KRP <td>P <td>20 19 03,3 <td> <td> <td>-0,6 <td>0,64 <td>318 <td></td> <td></td> <td></td> </td></td></td></td></td></td></td>	P <td>20 19 03,3 <td> <td> <td>-0,6 <td>0,64 <td>318 <td></td> <td></td> <td></td> </td></td></td></td></td></td>	20 19 03,3 <td> <td> <td>-0,6 <td>0,64 <td>318 <td></td> <td></td> <td></td> </td></td></td></td></td>	<td> <td>-0,6 <td>0,64 <td>318 <td></td> <td></td> <td></td> </td></td></td></td>	<td>-0,6 <td>0,64 <td>318 <td></td> <td></td> <td></td> </td></td></td>	-0,6 <td>0,64 <td>318 <td></td> <td></td> <td></td> </td></td>	0,64 <td>318 <td></td> <td></td> <td></td> </td>	318 <td></td> <td></td> <td></td>			
	S <td>26 <td></td> <td></td> <td>-0,7 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	26 <td></td> <td></td> <td>-0,7 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			-0,7 <td></td> <td></td> <td></td> <td></td> <td></td>					
TUA <td>P <td>20 19 07,6 <td> <td> <td>0,1 <td>0,93 <td>116 <td></td> <td>4,3</td> <td>4,2</td> </td></td></td></td></td></td></td>	P <td>20 19 07,6 <td> <td> <td>0,1 <td>0,93 <td>116 <td></td> <td>4,3</td> <td>4,2</td> </td></td></td></td></td></td>	20 19 07,6 <td> <td> <td>0,1 <td>0,93 <td>116 <td></td> <td>4,3</td> <td>4,2</td> </td></td></td></td></td>	<td> <td>0,1 <td>0,93 <td>116 <td></td> <td>4,3</td> <td>4,2</td> </td></td></td></td>	<td>0,1 <td>0,93 <td>116 <td></td> <td>4,3</td> <td>4,2</td> </td></td></td>	0,1 <td>0,93 <td>116 <td></td> <td>4,3</td> <td>4,2</td> </td></td>	0,93 <td>116 <td></td> <td>4,3</td> <td>4,2</td> </td>	116 <td></td> <td>4,3</td> <td>4,2</td>		4,3	4,2
	S <td>30 <td></td> <td></td> <td>0,4 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	30 <td></td> <td></td> <td>0,4 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			0,4 <td></td> <td></td> <td></td> <td></td> <td></td>					
GNZ <td>IP <td>20 19 12,5 <td>D <td></td> <td>-0,0 <td>1,54 <td>99 <td></td> <td>4,2</td> <td>3,9</td> </td></td></td></td></td></td>	IP <td>20 19 12,5 <td>D <td></td> <td>-0,0 <td>1,54 <td>99 <td></td> <td>4,2</td> <td>3,9</td> </td></td></td></td></td>	20 19 12,5 <td>D <td></td> <td>-0,0 <td>1,54 <td>99 <td></td> <td>4,2</td> <td>3,9</td> </td></td></td></td>	D <td></td> <td>-0,0 <td>1,54 <td>99 <td></td> <td>4,2</td> <td>3,9</td> </td></td></td>		-0,0 <td>1,54 <td>99 <td></td> <td>4,2</td> <td>3,9</td> </td></td>	1,54 <td>99 <td></td> <td>4,2</td> <td>3,9</td> </td>	99 <td></td> <td>4,2</td> <td>3,9</td>		4,2	3,9
	S <td>38,5 <td></td> <td></td> <td>-0,1 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	38,5 <td></td> <td></td> <td>-0,1 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			-0,1 <td></td> <td></td> <td></td> <td></td> <td></td>					
MNG <td>IP <td>20 19 20,1 <td>U <td></td> <td>0,2 <td>2,26 <td>192 <td></td> <td>4,5</td> <td>3,9</td> </td></td></td></td></td></td>	IP <td>20 19 20,1 <td>U <td></td> <td>0,2 <td>2,26 <td>192 <td></td> <td>4,5</td> <td>3,9</td> </td></td></td></td></td>	20 19 20,1 <td>U <td></td> <td>0,2 <td>2,26 <td>192 <td></td> <td>4,5</td> <td>3,9</td> </td></td></td></td>	U <td></td> <td>0,2 <td>2,26 <td>192 <td></td> <td>4,5</td> <td>3,9</td> </td></td></td>		0,2 <td>2,26 <td>192 <td></td> <td>4,5</td> <td>3,9</td> </td></td>	2,26 <td>192 <td></td> <td>4,5</td> <td>3,9</td> </td>	192 <td></td> <td>4,5</td> <td>3,9</td>		4,5	3,9
	S <td>52 <td></td> <td></td> <td>0,4 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	52 <td></td> <td></td> <td>0,4 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			0,4 <td></td> <td></td> <td></td> <td></td> <td></td>					
COB <td>EP <td>20 19 39 <td></td> <td></td> <td>1,5 <td>3,72 <td>223 <td></td> <td></td> <td>4,0</td> </td></td></td></td></td>	EP <td>20 19 39 <td></td> <td></td> <td>1,5 <td>3,72 <td>223 <td></td> <td></td> <td>4,0</td> </td></td></td></td>	20 19 39 <td></td> <td></td> <td>1,5 <td>3,72 <td>223 <td></td> <td></td> <td>4,0</td> </td></td></td>			1,5 <td>3,72 <td>223 <td></td> <td></td> <td>4,0</td> </td></td>	3,72 <td>223 <td></td> <td></td> <td>4,0</td> </td>	223 <td></td> <td></td> <td>4,0</td>			4,0
	S <td>20 24 <td></td> <td></td> <td>1,3 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	20 24 <td></td> <td></td> <td>1,3 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			1,3 <td></td> <td></td> <td></td> <td></td> <td></td>					
GPZ <td>ES <td>20 21 10 <td></td> <td></td> <td>-2,5 <td>5,89 <td>205 <td></td> <td>4,6</td> <td></td> </td></td></td></td></td>	ES <td>20 21 10 <td></td> <td></td> <td>-2,5 <td>5,89 <td>205 <td></td> <td>4,6</td> <td></td> </td></td></td></td>	20 21 10 <td></td> <td></td> <td>-2,5 <td>5,89 <td>205 <td></td> <td>4,6</td> <td></td> </td></td></td>			-2,5 <td>5,89 <td>205 <td></td> <td>4,6</td> <td></td> </td></td>	5,89 <td>205 <td></td> <td>4,6</td> <td></td> </td>	205 <td></td> <td>4,6</td> <td></td>		4,6	

JAY 25 00 55 36,1 38,22S 176,34E 172 KM SE 1,4 AVG MAG 69/ 047
 + - 0,9 0,05 0,34 7 4,8

	H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
KRP <td>IP <td>00 56 23,9 <td>USW <td></td> <td>0,8 <td>0,70 <td>294 <td></td> <td></td> <td></td> </td></td></td></td></td></td>	IP <td>00 56 23,9 <td>USW <td></td> <td>0,8 <td>0,70 <td>294 <td></td> <td></td> <td></td> </td></td></td></td></td>	00 56 23,9 <td>USW <td></td> <td>0,8 <td>0,70 <td>294 <td></td> <td></td> <td></td> </td></td></td></td>	USW <td></td> <td>0,8 <td>0,70 <td>294 <td></td> <td></td> <td></td> </td></td></td>		0,8 <td>0,70 <td>294 <td></td> <td></td> <td></td> </td></td>	0,70 <td>294 <td></td> <td></td> <td></td> </td>	294 <td></td> <td></td> <td></td>			
	S <td>41,4 <td></td> <td></td> <td>-1,0 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	41,4 <td></td> <td></td> <td>-1,0 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			-1,0 <td></td> <td></td> <td></td> <td></td> <td></td>					
TUA <td>IP <td>00 56 24,8 <td>U <td></td> <td>0,6 <td>0,87 <td>133 <td></td> <td>4,8</td> <td>5,1</td> </td></td></td></td></td></td>	IP <td>00 56 24,8 <td>U <td></td> <td>0,6 <td>0,87 <td>133 <td></td> <td>4,8</td> <td>5,1</td> </td></td></td></td></td>	00 56 24,8 <td>U <td></td> <td>0,6 <td>0,87 <td>133 <td></td> <td>4,8</td> <td>5,1</td> </td></td></td></td>	U <td></td> <td>0,6 <td>0,87 <td>133 <td></td> <td>4,8</td> <td>5,1</td> </td></td></td>		0,6 <td>0,87 <td>133 <td></td> <td>4,8</td> <td>5,1</td> </td></td>	0,87 <td>133 <td></td> <td>4,8</td> <td>5,1</td> </td>	133 <td></td> <td>4,8</td> <td>5,1</td>		4,8	5,1
	S <td>43 <td></td> <td></td> <td>-1,3 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	43 <td></td> <td></td> <td>-1,3 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			-1,3 <td></td> <td></td> <td></td> <td></td> <td></td>					
GNZ <td>P <td>00 56 28,3 <td> <td></td> <td>1,8 <td>1,16 <td>212 <td></td> <td></td> <td></td> </td></td></td></td></td></td>	P <td>00 56 28,3 <td> <td></td> <td>1,8 <td>1,16 <td>212 <td></td> <td></td> <td></td> </td></td></td></td></td>	00 56 28,3 <td> <td></td> <td>1,8 <td>1,16 <td>212 <td></td> <td></td> <td></td> </td></td></td></td>	<td></td> <td>1,8 <td>1,16 <td>212 <td></td> <td></td> <td></td> </td></td></td>		1,8 <td>1,16 <td>212 <td></td> <td></td> <td></td> </td></td>	1,16 <td>212 <td></td> <td></td> <td></td> </td>	212 <td></td> <td></td> <td></td>			
GNZ <td>IP <td>00 56 28,5 <td>D <td></td> <td>-0,1 <td>1,39 <td>108 <td></td> <td>4,5</td> <td>4,7</td> </td></td></td></td></td></td>	IP <td>00 56 28,5 <td>D <td></td> <td>-0,1 <td>1,39 <td>108 <td></td> <td>4,5</td> <td>4,7</td> </td></td></td></td></td>	00 56 28,5 <td>D <td></td> <td>-0,1 <td>1,39 <td>108 <td></td> <td>4,5</td> <td>4,7</td> </td></td></td></td>	D <td></td> <td>-0,1 <td>1,39 <td>108 <td></td> <td>4,5</td> <td>4,7</td> </td></td></td>		-0,1 <td>1,39 <td>108 <td></td> <td>4,5</td> <td>4,7</td> </td></td>	1,39 <td>108 <td></td> <td>4,5</td> <td>4,7</td> </td>	108 <td></td> <td>4,5</td> <td>4,7</td>		4,5	4,7
	S <td>51 <td></td> <td></td> <td>-1,1 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	51 <td></td> <td></td> <td>-1,1 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			-1,1 <td></td> <td></td> <td></td> <td></td> <td></td>					
TNZ <td>E <td>00 56 36,5 <td> <td></td> <td></td> <td>1,82 <td>237 <td></td> <td></td> <td></td> </td></td></td></td></td>	E <td>00 56 36,5 <td> <td></td> <td></td> <td>1,82 <td>237 <td></td> <td></td> <td></td> </td></td></td></td>	00 56 36,5 <td> <td></td> <td></td> <td>1,82 <td>237 <td></td> <td></td> <td></td> </td></td></td>	<td></td> <td></td> <td>1,82 <td>237 <td></td> <td></td> <td></td> </td></td>			1,82 <td>237 <td></td> <td></td> <td></td> </td>	237 <td></td> <td></td> <td></td>			
ECZ <td>IP <td>00 56 32,9 <td>U <td></td> <td>-0,1 <td>1,82 <td>74 <td></td> <td>4,9</td> <td>4,7</td> </td></td></td></td></td></td>	IP <td>00 56 32,9 <td>U <td></td> <td>-0,1 <td>1,82 <td>74 <td></td> <td>4,9</td> <td>4,7</td> </td></td></td></td></td>	00 56 32,9 <td>U <td></td> <td>-0,1 <td>1,82 <td>74 <td></td> <td>4,9</td> <td>4,7</td> </td></td></td></td>	U <td></td> <td>-0,1 <td>1,82 <td>74 <td></td> <td>4,9</td> <td>4,7</td> </td></td></td>		-0,1 <td>1,82 <td>74 <td></td> <td>4,9</td> <td>4,7</td> </td></td>	1,82 <td>74 <td></td> <td>4,9</td> <td>4,7</td> </td>	74 <td></td> <td>4,9</td> <td>4,7</td>		4,9	4,7
	S <td>59,5 <td></td> <td></td> <td>-0,3 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	59,5 <td></td> <td></td> <td>-0,3 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			-0,3 <td></td> <td></td> <td></td> <td></td> <td></td>					
MNG <td>IP <td>00 56 40,8 <td>U <td></td> <td>0,1 <td>2,49 <td>195 <td></td> <td>4,9</td> <td>4,5</td> </td></td></td></td></td></td>	IP <td>00 56 40,8 <td>U <td></td> <td>0,1 <td>2,49 <td>195 <td></td> <td>4,9</td> <td>4,5</td> </td></td></td></td></td>	00 56 40,8 <td>U <td></td> <td>0,1 <td>2,49 <td>195 <td></td> <td>4,9</td> <td>4,5</td> </td></td></td></td>	U <td></td> <td>0,1 <td>2,49 <td>195 <td></td> <td>4,9</td> <td>4,5</td> </td></td></td>		0,1 <td>2,49 <td>195 <td></td> <td>4,9</td> <td>4,5</td> </td></td>	2,49 <td>195 <td></td> <td>4,9</td> <td>4,5</td> </td>	195 <td></td> <td>4,9</td> <td>4,5</td>		4,9	4,5
	S <td>57 14 <td></td> <td></td> <td>0,5 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	57 14 <td></td> <td></td> <td>0,5 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			0,5 <td></td> <td></td> <td></td> <td></td> <td></td>					
CAZ <td>IP <td>00 56 45,0 <td>U <td></td> <td>1,8 <td>2,69 <td>182 <td></td> <td>5,6</td> <td>4,9</td> </td></td></td></td></td></td>	IP <td>00 56 45,0 <td>U <td></td> <td>1,8 <td>2,69 <td>182 <td></td> <td>5,6</td> <td>4,9</td> </td></td></td></td></td>	00 56 45,0 <td>U <td></td> <td>1,8 <td>2,69 <td>182 <td></td> <td>5,6</td> <td>4,9</td> </td></td></td></td>	U <td></td> <td>1,8 <td>2,69 <td>182 <td></td> <td>5,6</td> <td>4,9</td> </td></td></td>		1,8 <td>2,69 <td>182 <td></td> <td>5,6</td> <td>4,9</td> </td></td>	2,69 <td>182 <td></td> <td>5,6</td> <td>4,9</td> </td>	182 <td></td> <td>5,6</td> <td>4,9</td>		5,6	4,9
	S <td>57 19,5 <td></td> <td></td> <td>1,6 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	57 19,5 <td></td> <td></td> <td>1,6 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			1,6 <td></td> <td></td> <td></td> <td></td> <td></td>					
HEL <td>IP <td>00 56 51,6 <td>D <td></td> <td>0,9 <td>3,30 <td>201 <td></td> <td>4,8</td> <td>5,0</td> </td></td></td></td></td></td>	IP <td>00 56 51,6 <td>D <td></td> <td>0,9 <td>3,30 <td>201 <td></td> <td>4,8</td> <td>5,0</td> </td></td></td></td></td>	00 56 51,6 <td>D <td></td> <td>0,9 <td>3,30 <td>201 <td></td> <td>4,8</td> <td>5,0</td> </td></td></td></td>	D <td></td> <td>0,9 <td>3,30 <td>201 <td></td> <td>4,8</td> <td>5,0</td> </td></td></td>		0,9 <td>3,30 <td>201 <td></td> <td>4,8</td> <td>5,0</td> </td></td>	3,30 <td>201 <td></td> <td>4,8</td> <td>5,0</td> </td>	201 <td></td> <td>4,8</td> <td>5,0</td>		4,8	5,0
	S <td>57 32 <td></td> <td></td> <td>0,8 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	57 32 <td></td> <td></td> <td>0,8 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			0,8 <td></td> <td></td> <td></td> <td></td> <td></td>					
COB <td>S <td>00 56 59,5 <td> <td></td> <td>-0,2 <td>4,00 <td>223 <td></td> <td>4,4</td> <td>4,6</td> </td></td></td></td></td></td>	S <td>00 56 59,5 <td> <td></td> <td>-0,2 <td>4,00 <td>223 <td></td> <td>4,4</td> <td>4,6</td> </td></td></td></td></td>	00 56 59,5 <td> <td></td> <td>-0,2 <td>4,00 <td>223 <td></td> <td>4,4</td> <td>4,6</td> </td></td></td></td>	<td></td> <td>-0,2 <td>4,00 <td>223 <td></td> <td>4,4</td> <td>4,6</td> </td></td></td>		-0,2 <td>4,00 <td>223 <td></td> <td>4,4</td> <td>4,6</td> </td></td>	4,00 <td>223 <td></td> <td>4,4</td> <td>4,6</td> </td>	223 <td></td> <td>4,4</td> <td>4,6</td>		4,4	4,6
	S <td>57 48,5 <td></td> <td></td> <td>1,3 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	57 48,5 <td></td> <td></td> <td>1,3 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			1,3 <td></td> <td></td> <td></td> <td></td> <td></td>					
KAI <td>ES <td>00 58 25 <td> <td></td> <td>-2,4 <td>5,72 <td>220 <td></td> <td>4,8</td> <td></td> </td></td></td></td></td></td>	ES <td>00 58 25 <td> <td></td> <td>-2,4 <td>5,72 <td>220 <td></td> <td>4,8</td> <td></td> </td></td></td></td></td>	00 58 25 <td> <td></td> <td>-2,4 <td>5,72 <td>220 <td></td> <td>4,8</td> <td></td> </td></td></td></td>	<td></td> <td>-2,4 <td>5,72 <td>220 <td></td> <td>4,8</td> <td></td> </td></td></td>		-2,4 <td>5,72 <td>220 <td></td> <td>4,8</td> <td></td> </td></td>	5,72 <td>220 <td></td> <td>4,8</td> <td></td> </td>	220 <td></td> <td>4,8</td> <td></td>		4,8	
GPZ <td>P <td>00 57 26,5 <td> <td></td> <td>-1,3 <td>6,15 <td>206 <td></td> <td>5,2</td> <td></td> </td></td></td></td></td></td>	P <td>00 57 26,5 <td> <td></td> <td>-1,3 <td>6,15 <td>206 <td></td> <td>5,2</td> <td></td> </td></td></td></td></td>	00 57 26,5 <td> <td></td> <td>-1,3 <td>6,15 <td>206 <td></td> <td>5,2</td> <td></td> </td></td></td></td>	<td></td> <td>-1,3 <td>6,15 <td>206 <td></td> <td>5,2</td> <td></td> </td></td></td>		-1,3 <td>6,15 <td>206 <td></td> <td>5,2</td> <td></td> </td></td>	6,15 <td>206 <td></td> <td>5,2</td> <td></td> </td>	206 <td></td> <td>5,2</td> <td></td>		5,2	
	ES <td>58 35 <td></td> <td></td> <td>-2,5 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	58 35 <td></td> <td></td> <td>-2,5 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			-2,5 <td></td> <td></td> <td></td> <td></td> <td></td>					

JAY 25 07 43 41,1 38,67S 175,76E 173 KM SE 1,5 AVG MAG 69/ 048
 + - 0,8 0,34 0,04 7 4,9

	H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
MNZ <td>E <td>07 46 02 <td> <td></td> <td></td> <td>0,27 <td>32 <td></td> <td></td> <td></td> </td></td></td></td></td>	E <td>07 46 02 <td> <td></td> <td></td> <td>0,27 <td>32 <td></td> <td></td> <td></td> </td></td></td></td>	07 46 02 <td> <td></td> <td></td> <td>0,27 <td>32 <td></td> <td></td> <td></td> </td></td></td>	<td></td> <td></td> <td>0,27 <td>32 <td></td> <td></td> <td></td> </td></td>			0,27 <td>32 <td></td> <td></td> <td></td> </td>	32 <td></td> <td></td> <td></td>			
CNZ <td>IP <td>07 46 06,8 <td>U <td></td> <td>1,3 <td>0,55 <td>197 <td></td> <td></td> <td></td> </td></td></td></td></td></td>	IP <td>07 46 06,8 <td>U <td></td> <td>1,3 <td>0,55 <td>197 <td></td> <td></td> <td></td> </td></td></td></td></td>	07 46 06,8 <td>U <td></td> <td>1,3 <td>0,55 <td>197 <td></td> <td></td> <td></td> </td></td></td></td>	U <td></td> <td>1,3 <td>0,55 <td>197 <td></td> <td></td> <td></td> </td></td></td>		1,3 <td>0,55 <td>197 <td></td> <td></td> <td></td> </td></td>	0,55 <td>197 <td></td> <td></td> <td></td> </td>	197 <td></td> <td></td> <td></td>			
KRP <td>IP <td>07 46 05,7 <td>UNW <td></td> <td>0,1 <td>0,76 <td>347 <td></td> <td>4,6</td> <td></td> </td></td></td></td></td></td>	IP <td>07 46 05,7 <td>UNW <td></td> <td>0,1 <td>0,76 <td>347 <td></td> <td>4,6</td> <td></td> </td></td></td></td></td>	07 46 05,7 <td>UNW <td></td> <td>0,1 <td>0,76 <td>347 <td></td> <td>4,6</td> <td></td> </td></td></td></td>	UNW <td></td> <td>0,1 <td>0,76 <td>347 <td></td> <td>4,6</td> <td></td> </td></td></td>		0,1 <td>0,76 <td>347 <td></td> <td>4,6</td> <td></td> </td></td>	0,76 <td>347 <td></td> <td>4,6</td> <td></td> </td>	347 <td></td> <td>4,6</td> <td></td>		4,6	
	S <td>24,4 <td></td> <td></td> <td>-2,0 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	24,4 <td></td> <td></td> <td>-2,0 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			-2,0 <td></td> <td></td> <td></td> <td></td> <td></td>					
TUA <td>IP <td>07 46 09,2 <td>U <td></td> <td>0,1 <td>1,10 <td>98 <td></td> <td>5,0</td> <td>5,4</td> </td></td></td></td></td></td>	IP <td>07 46 09,2 <td>U <td></td> <td>0,1 <td>1,10 <td>98 <td></td> <td>5,0</td> <td>5,4</td> </td></td></td></td></td>	07 46 09,2 <td>U <td></td> <td>0,1 <td>1,10 <td>98 <td></td> <td>5,0</td> <td>5,4</td> </td></td></td></td>	U <td></td> <td>0,1 <td>1,10 <td>98 <td></td> <td>5,0</td> <td>5,4</td> </td></td></td>		0,1 <td>1,10 <td>98 <td></td> <td>5,0</td> <td>5,4</td> </td></td>	1,10 <td>98 <td></td> <td>5,0</td> <td>5,4</td> </td>	98 <td></td> <td>5,0</td> <td>5,4</td>		5,0	5,4
	S <td>29,5 <td></td> <td></td> <td>-1,2 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	29,5 <td></td> <td></td> <td>-1,2 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			-1,2 <td></td> <td></td> <td></td> <td></td> <td></td>					
TNZ <td>P <td>07 46 11,7 <td> <td></td> <td>1,8 <td>1,19 <td>244 <td></td> <td>4,3</td> <td>4,0</td> </td></td></td></td></td></td>	P <td>07 46 11,7 <td> <td></td> <td>1,8 <td>1,19 <td>244 <td></td> <td>4,3</td> <td>4,0</td> </td></td></td></td></td>	07 46 11,7 <td> <td></td> <td>1,8 <td>1,19 <td>244 <td></td> <td>4,3</td> <td>4,0</td> </td></td></td></td>	<td></td> <td>1,8 <td>1,19 <td>244 <td></td> <td>4,3</td> <td>4,0</td> </td></td></td>		1,8 <td>1,19 <td>244 <td></td> <td>4,3</td> <td>4,0</td> </td></td>	1,19 <td>244 <td></td> <td>4,3</td> <td>4,0</td> </td>	244 <td></td> <td>4,3</td> <td>4,0</td>		4,3	4,0
	S <td>34,5 <td></td> <td></td> <td>2,4 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	34,5 <td></td> <td></td> <td>2,4 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			2,4 <td></td> <td></td> <td></td> <td></td> <td></td>					
GNZ <td>IP <td>07 46 16,2 <td>D <td></td> <td>0,5 <td>1,78 <td>90 <td></td> <td>4,6</td> <td>5,0</td> </td></td></td></td></td></td>	IP <td>07 46 16,2 <td>D <td></td> <td>0,5 <td>1,78 <td>90 <td></td> <td>4,6</td> <td>5,0</td> </td></td></td></td></td>	07 46 16,2 <td>D <td></td> <td>0,5 <td>1,78 <td>90 <td></td> <td>4,6</td> <td>5,0</td> </td></td></td></td>	D <td></td> <td>0,5 <td>1,78 <td>90 <td></td> <td>4,6</td> <td>5,0</td> </td></td></td>		0,5 <td>1,78 <td>90 <td></td> <td>4,6</td> <td>5,0</td> </td></td>	1,78 <td>90 <td></td> <td>4,6</td> <td>5,0</td> </td>	90 <td></td> <td>4,6</td> <td>5,0</td>		4,6	5,0
	S <td>40,5 <td></td> <td></td> <td>-1,7 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	40,5 <td></td> <td></td> <td>-1,7 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			-1,7 <td></td> <td></td> <td></td> <td></td> <td></td>					
MNG <td>IP <td>07 46 18,2 <td>U <td></td> <td>0,6 <td>1,96 <td>185 <td></td> <td>5,1</td> <td>4,8</td> </td></td></td></td></td></td>	IP <td>07 46 18,2 <td>U <td></td> <td>0,6 <td>1,96 <td>185 <td></td> <td>5,1</td> <td>4,8</td> </td></td></td></td></td>	07 46 18,2 <td>U <td></td> <td>0,6 <td>1,96 <td>185 <td></td> <td>5,1</td> <td>4,8</td> </td></td></td></td>	U <td></td> <td>0,6 <td>1,96 <td>185 <td></td> <td>5,1</td> <td>4,8</td> </td></td></td>		0,6 <td>1,96 <td>185 <td></td> <td>5,1</td> <td>4,8</td> </td></td>	1,96 <td>185 <td></td> <td>5,1</td> <td>4,8</td> </td>	185 <td></td> <td>5,1</td> <td>4,8</td>		5,1	4,8
	S <td>44,5 <td></td> <td></td> <td>-1,2 <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	44,5 <td></td> <td></td> <td>-1,2 <td></td> <td></td> <td></td> <td></td> <td></td> </td>			-1,2 <td></td> <td></td> <td></td> <td></td> <td></td>					

LOCAL EARTHQUAKES

CAZ	P	07 46 23		1,9	2,26	171	5,0	5,3
	S <td>54 <td></td> <td>2,2 <td></td> <td></td> <td></td> <td></td> </td></td>	54 <td></td> <td>2,2 <td></td> <td></td> <td></td> <td></td> </td>		2,2 <td></td> <td></td> <td></td> <td></td>				
ECZ <td>P <td>07 46 23,2 <td>D <td></td> <td>0,5 <td>2,41 <td>67 <td>5,6</td> </td></td></td></td></td></td>	P <td>07 46 23,2 <td>D <td></td> <td>0,5 <td>2,41 <td>67 <td>5,6</td> </td></td></td></td></td>	07 46 23,2 <td>D <td></td> <td>0,5 <td>2,41 <td>67 <td>5,6</td> </td></td></td></td>	D <td></td> <td>0,5 <td>2,41 <td>67 <td>5,6</td> </td></td></td>		0,5 <td>2,41 <td>67 <td>5,6</td> </td></td>	2,41 <td>67 <td>5,6</td> </td>	67 <td>5,6</td>	5,6
	S <td>25,2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	25,2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
	S <td>55 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	55 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
OBZ <td>IP <td>07 46 23,6 <td>D <td></td> <td>0,2 <td>2,46 <td>355 <td></td> </td></td></td></td></td></td>	IP <td>07 46 23,6 <td>D <td></td> <td>0,2 <td>2,46 <td>355 <td></td> </td></td></td></td></td>	07 46 23,6 <td>D <td></td> <td>0,2 <td>2,46 <td>355 <td></td> </td></td></td></td>	D <td></td> <td>0,2 <td>2,46 <td>355 <td></td> </td></td></td>		0,2 <td>2,46 <td>355 <td></td> </td></td>	2,46 <td>355 <td></td> </td>	355 <td></td>	
HEL <td>P <td>07 46 26,9 <td> <td></td> <td>0,1 <td>2,72 <td>196 <td>4,9</td> </td></td></td></td></td></td>	P <td>07 46 26,9 <td> <td></td> <td>0,1 <td>2,72 <td>196 <td>4,9</td> </td></td></td></td></td>	07 46 26,9 <td> <td></td> <td>0,1 <td>2,72 <td>196 <td>4,9</td> </td></td></td></td>	<td></td> <td>0,1 <td>2,72 <td>196 <td>4,9</td> </td></td></td>		0,1 <td>2,72 <td>196 <td>4,9</td> </td></td>	2,72 <td>196 <td>4,9</td> </td>	196 <td>4,9</td>	4,9
	S <td>47 01 <td></td> <td></td> <td>-0,8 <td></td> <td></td> <td>4,4</td> </td></td>	47 01 <td></td> <td></td> <td>-0,8 <td></td> <td></td> <td>4,4</td> </td>			-0,8 <td></td> <td></td> <td>4,4</td>			4,4
COB <td>S <td>07 46 33,5 <td> <td></td> <td>-1,0 <td>3,35 <td>223 <td>4,3</td> </td></td></td></td></td></td>	S <td>07 46 33,5 <td> <td></td> <td>-1,0 <td>3,35 <td>223 <td>4,3</td> </td></td></td></td></td>	07 46 33,5 <td> <td></td> <td>-1,0 <td>3,35 <td>223 <td>4,3</td> </td></td></td></td>	<td></td> <td>-1,0 <td>3,35 <td>223 <td>4,3</td> </td></td></td>		-1,0 <td>3,35 <td>223 <td>4,3</td> </td></td>	3,35 <td>223 <td>4,3</td> </td>	223 <td>4,3</td>	4,3
	S <td>47 14,5 <td></td> <td></td> <td>-1,1 <td></td> <td></td> <td>4,9</td> </td></td>	47 14,5 <td></td> <td></td> <td>-1,1 <td></td> <td></td> <td>4,9</td> </td>			-1,1 <td></td> <td></td> <td>4,9</td>			4,9
KAI <td>S <td>07 47 53 <td> <td></td> <td>-2,3 <td>5,08 <td>219 <td>5,0</td> </td></td></td></td></td></td>	S <td>07 47 53 <td> <td></td> <td>-2,3 <td>5,08 <td>219 <td>5,0</td> </td></td></td></td></td>	07 47 53 <td> <td></td> <td>-2,3 <td>5,08 <td>219 <td>5,0</td> </td></td></td></td>	<td></td> <td>-2,3 <td>5,08 <td>219 <td>5,0</td> </td></td></td>		-2,3 <td>5,08 <td>219 <td>5,0</td> </td></td>	5,08 <td>219 <td>5,0</td> </td>	219 <td>5,0</td>	5,0
GPZ <td>EP <td>07 47 02 <td> <td></td> <td>-0,8 <td>5,54 <td>204 <td>5,5</td> </td></td></td></td></td></td>	EP <td>07 47 02 <td> <td></td> <td>-0,8 <td>5,54 <td>204 <td>5,5</td> </td></td></td></td></td>	07 47 02 <td> <td></td> <td>-0,8 <td>5,54 <td>204 <td>5,5</td> </td></td></td></td>	<td></td> <td>-0,8 <td>5,54 <td>204 <td>5,5</td> </td></td></td>		-0,8 <td>5,54 <td>204 <td>5,5</td> </td></td>	5,54 <td>204 <td>5,5</td> </td>	204 <td>5,5</td>	5,5
	S <td>48 02 <td> <td></td> <td>-4,2</td> <td></td> <td></td> <td></td> </td></td>	48 02 <td> <td></td> <td>-4,2</td> <td></td> <td></td> <td></td> </td>	<td></td> <td>-4,2</td> <td></td> <td></td> <td></td>		-4,2			

JAY 25 08 18 25,2 40,36S 176,74E 33 KM SE 1,2 AVG MAG 69/ 049
 + - 0,6 0,02 0,04 9 4,3

CAZ	P	08 18 39		1,4	0,66	216	4,7	4,6
	S <td>42 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	42 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
	S <td>50 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	50 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
MNG <td>IP <td>08 18 40,5 <td>D <td></td> <td>-1,5 <td>0,99 <td>255 <td>4,4</td> </td></td></td></td></td></td>	IP <td>08 18 40,5 <td>D <td></td> <td>-1,5 <td>0,99 <td>255 <td>4,4</td> </td></td></td></td></td>	08 18 40,5 <td>D <td></td> <td>-1,5 <td>0,99 <td>255 <td>4,4</td> </td></td></td></td>	D <td></td> <td>-1,5 <td>0,99 <td>255 <td>4,4</td> </td></td></td>		-1,5 <td>0,99 <td>255 <td>4,4</td> </td></td>	0,99 <td>255 <td>4,4</td> </td>	255 <td>4,4</td>	4,4
	S <td>50,5 <td></td> <td></td> <td>-4,0</td> <td></td> <td></td> <td>4,5</td> </td>	50,5 <td></td> <td></td> <td>-4,0</td> <td></td> <td></td> <td>4,5</td>			-4,0			4,5
CNZ <td>PN <td>08 18 49,4 <td> <td></td> <td>0,7 <td>1,48 <td>321 <td></td> </td></td></td></td></td></td>	PN <td>08 18 49,4 <td> <td></td> <td>0,7 <td>1,48 <td>321 <td></td> </td></td></td></td></td>	08 18 49,4 <td> <td></td> <td>0,7 <td>1,48 <td>321 <td></td> </td></td></td></td>	<td></td> <td>0,7 <td>1,48 <td>321 <td></td> </td></td></td>		0,7 <td>1,48 <td>321 <td></td> </td></td>	1,48 <td>321 <td></td> </td>	321 <td></td>	
	S <td>19 07,5 <td></td> <td></td> <td>1,0 <td></td> <td></td> <td></td> </td></td>	19 07,5 <td></td> <td></td> <td>1,0 <td></td> <td></td> <td></td> </td>			1,0 <td></td> <td></td> <td></td>			
TUA <td>PN <td>08 18 50,5 <td> <td></td> <td>0,5 <td>1,59 <td>12 <td>4,3</td> </td></td></td></td></td></td>	PN <td>08 18 50,5 <td> <td></td> <td>0,5 <td>1,59 <td>12 <td>4,3</td> </td></td></td></td></td>	08 18 50,5 <td> <td></td> <td>0,5 <td>1,59 <td>12 <td>4,3</td> </td></td></td></td>	<td></td> <td>0,5 <td>1,59 <td>12 <td>4,3</td> </td></td></td>		0,5 <td>1,59 <td>12 <td>4,3</td> </td></td>	1,59 <td>12 <td>4,3</td> </td>	12 <td>4,3</td>	4,3
	S <td>19 01 <td></td> <td></td> <td></td> <td></td> <td></td> <td>4,3</td> </td>	19 01 <td></td> <td></td> <td></td> <td></td> <td></td> <td>4,3</td>						4,3
	S <td>27 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	27 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
	S <td>35 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	35 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
HEL <td>PN <td>08 18 51 <td> <td></td> <td>-1,5 <td>1,75 <td>238 <td>3,9</td> </td></td></td></td></td></td>	PN <td>08 18 51 <td> <td></td> <td>-1,5 <td>1,75 <td>238 <td>3,9</td> </td></td></td></td></td>	08 18 51 <td> <td></td> <td>-1,5 <td>1,75 <td>238 <td>3,9</td> </td></td></td></td>	<td></td> <td>-1,5 <td>1,75 <td>238 <td>3,9</td> </td></td></td>		-1,5 <td>1,75 <td>238 <td>3,9</td> </td></td>	1,75 <td>238 <td>3,9</td> </td>	238 <td>3,9</td>	3,9
	S <td>19 00 <td> <td></td> <td></td> <td></td> <td></td> <td>4,3</td> </td></td>	19 00 <td> <td></td> <td></td> <td></td> <td></td> <td>4,3</td> </td>	<td></td> <td></td> <td></td> <td></td> <td>4,3</td>					4,3
	S <td>11,5 <td></td> <td></td> <td>-1,6 <td></td> <td></td> <td></td> </td></td>	11,5 <td></td> <td></td> <td>-1,6 <td></td> <td></td> <td></td> </td>			-1,6 <td></td> <td></td> <td></td>			
	S <td>20,5 <td></td> <td></td> <td>0,5 <td></td> <td></td> <td></td> </td></td>	20,5 <td></td> <td></td> <td>0,5 <td></td> <td></td> <td></td> </td>			0,5 <td></td> <td></td> <td></td>			
GNZ <td>PN <td>08 18 55,5 <td> <td></td> <td>-0,2 <td>1,99 <td>31 <td>4,0</td> </td></td></td></td></td></td>	PN <td>08 18 55,5 <td> <td></td> <td>-0,2 <td>1,99 <td>31 <td>4,0</td> </td></td></td></td></td>	08 18 55,5 <td> <td></td> <td>-0,2 <td>1,99 <td>31 <td>4,0</td> </td></td></td></td>	<td></td> <td>-0,2 <td>1,99 <td>31 <td>4,0</td> </td></td></td>		-0,2 <td>1,99 <td>31 <td>4,0</td> </td></td>	1,99 <td>31 <td>4,0</td> </td>	31 <td>4,0</td>	4,0
	S <td>19 10 <td> <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	19 10 <td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	<td></td> <td></td> <td></td> <td></td> <td></td>					
TNZ <td>PN <td>08 19 02 <td> <td></td> <td>-1,5 <td>2,16 <td>302 <td>4,3</td> </td></td></td></td></td></td>	PN <td>08 19 02 <td> <td></td> <td>-1,5 <td>2,16 <td>302 <td>4,3</td> </td></td></td></td></td>	08 19 02 <td> <td></td> <td>-1,5 <td>2,16 <td>302 <td>4,3</td> </td></td></td></td>	<td></td> <td>-1,5 <td>2,16 <td>302 <td>4,3</td> </td></td></td>		-1,5 <td>2,16 <td>302 <td>4,3</td> </td></td>	2,16 <td>302 <td>4,3</td> </td>	302 <td>4,3</td>	4,3
	S <td>09,5 <td> <td></td> <td></td> <td></td> <td></td> <td>4,1</td> </td></td>	09,5 <td> <td></td> <td></td> <td></td> <td></td> <td>4,1</td> </td>	<td></td> <td></td> <td></td> <td></td> <td>4,1</td>					4,1
	S <td>24,3 <td> <td></td> <td>1,5 <td></td> <td></td> <td></td> </td></td></td>	24,3 <td> <td></td> <td>1,5 <td></td> <td></td> <td></td> </td></td>	<td></td> <td>1,5 <td></td> <td></td> <td></td> </td>		1,5 <td></td> <td></td> <td></td>			
	S <td>32 <td> <td></td> <td>-0,2 <td></td> <td></td> <td></td> </td></td></td>	32 <td> <td></td> <td>-0,2 <td></td> <td></td> <td></td> </td></td>	<td></td> <td>-0,2 <td></td> <td></td> <td></td> </td>		-0,2 <td></td> <td></td> <td></td>			
KRP <td>PN <td>08 19 03,6 <td> <td></td> <td>-0,6 <td>2,61 <td>339 <td></td> </td></td></td></td></td></td>	PN <td>08 19 03,6 <td> <td></td> <td>-0,6 <td>2,61 <td>339 <td></td> </td></td></td></td></td>	08 19 03,6 <td> <td></td> <td>-0,6 <td>2,61 <td>339 <td></td> </td></td></td></td>	<td></td> <td>-0,6 <td>2,61 <td>339 <td></td> </td></td></td>		-0,6 <td>2,61 <td>339 <td></td> </td></td>	2,61 <td>339 <td></td> </td>	339 <td></td>	
	S <td>11,5 <td> <td></td> <td>0,4 <td></td> <td></td> <td></td> </td></td></td>	11,5 <td> <td></td> <td>0,4 <td></td> <td></td> <td></td> </td></td>	<td></td> <td>0,4 <td></td> <td></td> <td></td> </td>		0,4 <td></td> <td></td> <td></td>			
	S <td>53,5 <td> <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	53,5 <td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	<td></td> <td></td> <td></td> <td></td> <td></td>					
	S <td>20 10 <td> <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	20 10 <td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	<td></td> <td></td> <td></td> <td></td> <td></td>					
COB <td>PN <td>08 19 11 <td> <td></td> <td>-0,3 <td>3,13 <td>255 <td>4,2</td> </td></td></td></td></td></td>	PN <td>08 19 11 <td> <td></td> <td>-0,3 <td>3,13 <td>255 <td>4,2</td> </td></td></td></td></td>	08 19 11 <td> <td></td> <td>-0,3 <td>3,13 <td>255 <td>4,2</td> </td></td></td></td>	<td></td> <td>-0,3 <td>3,13 <td>255 <td>4,2</td> </td></td></td>		-0,3 <td>3,13 <td>255 <td>4,2</td> </td></td>	3,13 <td>255 <td>4,2</td> </td>	255 <td>4,2</td>	4,2
	S <td>22,5 <td> <td></td> <td></td> <td></td> <td></td> <td>4,2</td> </td></td>	22,5 <td> <td></td> <td></td> <td></td> <td></td> <td>4,2</td> </td>	<td></td> <td></td> <td></td> <td></td> <td>4,2</td>					4,2
	S <td>30 <td> <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	30 <td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	<td></td> <td></td> <td></td> <td></td> <td></td>					
	S <td>46 <td> <td></td> <td>-3,5 <td></td> <td></td> <td></td> </td></td></td>	46 <td> <td></td> <td>-3,5 <td></td> <td></td> <td></td> </td></td>	<td></td> <td>-3,5 <td></td> <td></td> <td></td> </td>		-3,5 <td></td> <td></td> <td></td>			
GPZ <td>E <td>08 20 16 <td> <td></td> <td></td> <td>4,51 <td>221 <td>4,3</td> </td></td></td></td></td>	E <td>08 20 16 <td> <td></td> <td></td> <td>4,51 <td>221 <td>4,3</td> </td></td></td></td>	08 20 16 <td> <td></td> <td></td> <td>4,51 <td>221 <td>4,3</td> </td></td></td>	<td></td> <td></td> <td>4,51 <td>221 <td>4,3</td> </td></td>			4,51 <td>221 <td>4,3</td> </td>	221 <td>4,3</td>	4,3

FELT DANNEVIRKE (63) MM IV AND TATARAMO (63) MM III

JAY 25 09 05 16,0 41,37S 172,80E 161 KM SE 0,9 AVG MAG 69/ 050
 + - 1,3 0,05 0,05 9 3,9

COB	IP	09 05 38,3	U	0,4	0,28	350	3,9	3,9
	S <td>55 <td></td> <td></td> <td>0,2 <td></td> <td></td> <td></td> </td></td>	55 <td></td> <td></td> <td>0,2 <td></td> <td></td> <td></td> </td>			0,2 <td></td> <td></td> <td></td>			
HEL <td>P <td>09 05 47,4 <td> <td></td> <td>0,9 <td>1,49 <td>88 <td>3,9</td> </td></td></td></td></td></td>	P <td>09 05 47,4 <td> <td></td> <td>0,9 <td>1,49 <td>88 <td>3,9</td> </td></td></td></td></td>	09 05 47,4 <td> <td></td> <td>0,9 <td>1,49 <td>88 <td>3,9</td> </td></td></td></td>	<td></td> <td>0,9 <td>1,49 <td>88 <td>3,9</td> </td></td></td>		0,9 <td>1,49 <td>88 <td>3,9</td> </td></td>	1,49 <td>88 <td>3,9</td> </td>	88 <td>3,9</td>	3,9
	S <td>06 10,3 <td> <td></td> <td>0,5 <td></td> <td></td> <td>4,2</td> </td></td></td>	06 10,3 <td> <td></td> <td>0,5 <td></td> <td></td> <td>4,2</td> </td></td>	<td></td> <td>0,5 <td></td> <td></td> <td>4,2</td> </td>		0,5 <td></td> <td></td> <td>4,2</td>			4,2
KAI <td>E <td>09 05 49 <td> <td></td> <td></td> <td>1,35 <td>221 <td>3,6</td> </td></td></td></td></td>	E <td>09 05 49 <td> <td></td> <td></td> <td>1,35 <td>221 <td>3,6</td> </td></td></td></td>	09 05 49 <td> <td></td> <td></td> <td>1,35 <td>221 <td>3,6</td> </td></td></td>	<td></td> <td></td> <td>1,35 <td>221 <td>3,6</td> </td></td>			1,35 <td>221 <td>3,6</td> </td>	221 <td>3,6</td>	3,6
	S <td>06 10,5 <td> <td></td> <td>-0,7 <td></td> <td></td> <td></td> </td></td></td>	06 10,5 <td> <td></td> <td>-0,7 <td></td> <td></td> <td></td> </td></td>	<td></td> <td>-0,7 <td></td> <td></td> <td></td> </td>		-0,7 <td></td> <td></td> <td></td>			
MNG <td>IP <td>09 05 53,9 <td>U <td></td> <td>-0,1 <td>2,16 <td>71 <td>3,8</td> </td></td></td></td></td></td>	IP <td>09 05 53,9 <td>U <td></td> <td>-0,1 <td>2,16 <td>71 <td>3,8</td> </td></td></td></td></td>	09 05 53,9 <td>U <td></td> <td>-0,1 <td>2,16 <td>71 <td>3,8</td> </td></td></td></td>	U <td></td> <td>-0,1 <td>2,16 <td>71 <td>3,8</td> </td></td></td>		-0,1 <td>2,16 <td>71 <td>3,8</td> </td></td>	2,16 <td>71 <td>3,8</td> </td>	71 <td>3,8</td>	3,8
	S <td>06 22 <td> <td></td> <td>-1,3 <td></td> <td></td> <td>4,2</td> </td></td></td>	06 22 <td> <td></td> <td>-1,3 <td></td> <td></td> <td>4,2</td> </td></td>	<td></td> <td>-1,3 <td></td> <td></td> <td>4,2</td> </td>		-1,3 <td></td> <td></td> <td>4,2</td>			4,2
GPZ <td>ES <td>09 06 27 <td> <td></td> <td>0,2 <td>2,33 <td>183 <td>3,8</td> </td></td></td></td></td></td>	ES <td>09 06 27 <td> <td></td> <td>0,2 <td>2,33 <td>183 <td>3,8</td> </td></td></td></td></td>	09 06 27 <td> <td></td> <td>0,2 <td>2,33 <td>183 <td>3,8</td> </td></td></td></td>	<td></td> <td>0,2 <td>2,33 <td>183 <td>3,8</td> </td></td></td>		0,2 <td>2,33 <td>183 <td>3,8</td> </td></td>	2,33 <td>183 <td>3,8</td> </td>	183 <td>3,8</td>	3,8

JAN 26		H	M	S	39,90S 176,99E		12 KM	SE	1,2	AVG MAG	69/ 051			
		+	-	0,4	0,02	0,02				4,0				
TUA		P*			22 53 42	56	DIR	RES	DIST	AZ	H-A	W P	W S	
CAZ		E			22 53 32	01			1,16	210		4,5	4,4	
CNZ		P*			22 53 44,3	04			1,32	302				
MNG		P*			22 53 44,5	04			1,36	238		4,3	3,9	
GNZ		P*			22 53 53	06			1,49	33			3,7	
TNZ		P*			22 53 59,5	06			2,14	289		3,9	3,8	
HEL		SV			22 54 22	08			2,18	230		3,6	4,0	
KRP		P*			22 53 56,3	08			2,28	330				
		SV			54 02,5	26			1,3				0,9	

JAN 27		H	M	S	37,57S 177,11E		262 KM	SE	1,4	AVG MAG	69/ 052			
		+	-	2,1	0,21	0,19	17			4,4				
TUA		P			08 25 50,5	18	DIR	RES	DIST	AZ	H-A	W P	W S	
GNZ		P			08 25 51,2	22			1,21	144		4,5	4,6	
MNG		P			08 26 08,3	32,5			3,20	203		4,5	3,9	
HEL		SV			08 27 09	32,5			4,04	206		4,6	4,2	
COB		S			08 27 27	32,5			4,81	223			4,1	

JAN 27		H	M	S	38,23S 176,23E		196 KM	SE	0,8	AVG MAG	69/ 053			
		+	-	0,9	0,06	0,07	11			4,2				
GNZ		S			20 44 34	34	DIR	RES	DIST	AZ	H-A	W P	W S	
ECZ		S			20 44 40,5	34			1,47	107			3,9	
MNG		IP			20 44 19,1	34			1,91	74			4,3	
HEL		S			20 44 27	34			2,45	193		4,8	3,9	
COB		IP			20 44 36,5	34			3,25	200		4,3	4,2	
GPZ		S			20 44 13	34			3,93	222		3,7	4,2	
		S			20 46 13	34			6,10	205		4,7		

JAN 28		H	M	S	42,09S 177,94E		12 KM	SE	2,2	AVG MAG	69/ 054			
		+	-	1,0	0,07	0,05	7			4,3				
MNG		P*			04 44 40,5	08	DIR	RES	DIST	AZ	H-A	W P	W S	
HEL		SV			04 45 10	08			2,51	288		4,0	4,2	
GNZ		P*			04 44 57	08			3,41	327				
TNZ		P*			04 45 06	08			3,97	316		4,3	4,1	
COB		IP			04 45 05,2	08			1,5	4,03		4,6	4,6	
GPZ		SV			04 45 53	08			1,1	4,21		4,6		

LOCAL EARTHQUAKES

JAN 28		H	M	S	41,90S 171,89E		12 KM	SE	1,4	AVG MAG	69/ 055			
		+	-	0,6	0,03	0,04	7			3,8				
KAI		P*			17 40 42,3	51	DIR	RES	DIST	AZ	H-A	W P	W S	
COB		P*			17 40 45,7	51			1,03	38		4,0	4,2	
GPZ		P*			17 41 05,5	59			1,88	163		3,5		
HEL		IP			17 41 08	59			2,24	75		3,5	3,8	
MNG		IP			17 41 14	59			2,99	66		3,9	3,7	
KRP		SV			17 42 39,5	08			4,86	36				
FEAT		WESTPORT	(79)	MJRC	1534	(60)	M4	IV						

JAN 30		H	M	S	37,96S 176,40E		189 KM	SE	1,0	AVG MAG	69/ 056			
		+	-	0,8	0,03	0,04	5			4,5				
KRP		IP			06 02 15,1	39,2	DIR	RES	DIST	AZ	H-A	W P	W S	
TUA		P			06 02 18	39,2			1,03	145		4,9	4,6	
GNZ		IP			06 02 20,6	39,2			1,45	118		4,3	4,8	
ECZ		IP			06 02 22,5	39,2			1,72	82		5,3	4,7	
GNZ		S			06 02 23	39,2			1,89	337				
TNZ		S			06 02 27,3	39,2			1,6	2,00		232		
MNG		IP			06 02 34,3	39,2			2,74	195		4,9	4,4	
HEL		S			06 02 44,5	39,2			3,55	200		4,9	4,4	
COB		S			06 03 43	39,2			4,21	221		4,9	4,6	
KAI		S			06 04 21	39,2			5,94	218				
GPZ		S			06 04 29	39,2			6,39	205		5,3		

JAN 31		H	M	S	44,32S 168,22E		12 KM	SE	0,9	AVG MAG	69/ 057			
		+	-	0,6	0,03	0,03	7			4,2				
MSZ		IP			02 52 44,0	00	DIR	RES	DIST	AZ	H-A	W P	W S	
ROX		IP			02 53 00	00			1,39	146		4,3	4,2	
MNG		P*			02 53 03	00			1,52	196		4,1	4,1	
MNG		IP			02 53 06,3	00			1,65	79				
GPZ		IP			02 53 42	00			3,25	80		4,1		

JAN 31		H	M	S	43,33S	170,99E	12 KM	SF	1,3	AVG MAG	69/ 058	3,9	
		04	47	00,4	0,02	0,02	2						
		+	-	0,3									
		4	4	S	DIR	RES	DIST	AZ	H-A	W	P	W	S
MJZ	PG	04	47	14,5		0,0	0,76	209					
KAI	EP	04	47	15		-0,3	0,86	22	3,7				
	PG			19,6		-1,2							
	PG			17,3		-2,6							
	SG			26,5		-1,4							
	SG			29		-0,6							
GPZ	SG	04	47	22,4		-3,6	1,27	108	3,4				
	SG			41		0,8							
	SG			45		1,7							
ROX	SG	04	47	45			2,46	208	3,9	3,8			
	SG			48,3		-1,8							
	SG			48 20		-3,3							
MSZ	SG	04	47	42		0,5	2,59	238	4,2	3,8			
	SG			47,5		1,7							
	SG			54		1,2							
	SG			48 21		1,2							
	SG			30,0		2,4							
COB	SG	04	47	41,4		-0,1	2,59	31	4,2	4,0			
	SG			46		0,2							
	SG			48 14		1,7							
	SG			21		1,1							
MNA	SG	04	47	58,3		-1,8	3,43	223	4,1	3,8			
	SG			48 03									
	SG			35									
MNG	SG	04	48	04		-0,7	4,31	53	4,0	3,6			
	SG			09,5									
	SG			49 05									
JAN 31		H	M	S	39,76S	174,30E	208 KM	SE	2,2	AVG MAG	69/ 059	4,2	
		22	07	32,5	0,14	0,13	22						
		+	-	2,6									
		4	4	S	DIR	RES	DIST	AZ	H-A	W	P	W	S
MNG	IP	22	08	06,5	U	1,4	1,25	134	4,7	4,3			
	IP			30		-0,4							
HEL	IP	22	08	10,8		2,7	1,57	167	3,7	3,8	3,9		
	IP			36,5		1,4							
COB	IP	22	08	11,3		1,4	1,79	222	3,9	4,1			
	IP			37		-1,7							
CAZ	IP	22	08	45			1,86	129			4,5		
TUA	IP	22	08	49		-1,0	2,40	68			4,3		
GNZ	IP	22	09	03		-1,2	3,10	70			3,9		
GPZ	IP	22	09	24		-2,6	4,13	197	4,6				
JAN 31		H	M	S	44,75S	167,53E	12 KM	SE	1,2	AVG MAG	69/ 060	4,3	
		23	08	25,6	0,03	0,04	2						
		+	-	0,7									
		4	4	S	DIR	RES	DIST	AZ	H-A	W	P	W	S
MSZ	IP	23	08	34,3	D	-3,2	0,29	75					
MNA	IP	23	08	49,0	D	1,6	1,74	177	4,4	4,4			
	IP			09 04		0,3							
WPZ	IP	23	09	05		-1,0	2,13	155	4,2	4,1			
	IP			33		-1,1							
MJZ	IP	23	09	04,3		-2,4	2,24	71					
	IP			08		0,1							
	IP			36		-1,3							
	IP			49		0,9							
KAI	IP	23	09	32		1,0	3,58	53	4,4				
	IP			13 05		0,8							
	IP			18		2,1							
GPZ	IP	23	09	36		2,9	3,82	76	4,2				
	IP			45		-2,9							
	IP			10 11		1,0							
	IP			27		1,9							

JAN 31		H	M	S	44,53S	167,17E	12 KM	SE	1,2	AVG MAG	69/ 061	4,3	
		23	15	32,9	0,03	0,03	2						
		+	-	1,0									
		4	4	S	DIR	RES	DIST	AZ	H-A	W	P	W	S
MSZ	IP	23	16	02,0	D	+1,4	0,55	135					
MNA	IP	23	16	15,3	D	-0,7	1,29	166	4,4	4,5			
	IP			19,5		0,5							
	IP			34		-0,2							
	IP			37		0,6							
MJZ	IP	23	16	32,5		0,3	2,43	78					
	IP			35,5		-0,1							
	IP			40,5		-1,6							
	IP			17 10		2,4							
WPZ	IP	23	16	32,5		0,8	2,43	152	4,3	4,2			
	IP			17 02		1,4							
	IP			06,5		-1,2							
KAI	IP	23	17	03		2,2	3,68	58	4,3				
	IP			33									
	IP			50,5									
GPZ	IP	23	17	03		0,0	4,03	80	4,3				
	IP			13		-1,4							
	IP			55		-0,7							
	IP			18 04									
COB	IP	23	17	11,5		0,5	5,35	52	4,6	4,3			
	IP			18 10		-1,1							
	IP			53		-0,2							
JAN 31		H	M	S	32,30S	179,92E	485 KM	SE	1,8	AVG MAG	69/ 062	6,7	
		23	31	16,3	0,09	0,11	13						
		+	-	1,5									
		4	4	S	DIR	RES	DIST	AZ	H-A	W	P	W	S
EOZ	IP	23	32	49		1,0	5,50	191					
	IP			52,5									
ONE	IP	23	32	51,3	W	0,6	5,77	232	6,5				
	IP			34 08,5		1,2							
AUC	IP	23	32	56,1	D	1,0	6,22	222					
CRZ	IP	23	32	56,7	USW	-0,5	6,42	249					
	IP			34 16		-1,0							
GNZ	IP	23	32	57,1	U	-1,0	6,31	193					
	IP			33 00,3									
	IP			34 19		0,3							
KRP	IP	23	33	01		1,4	5,46	211					
	IP			34 22		0,6							
TUA	IP	23	32	59		-2,8	6,47	198					
	IP			33 02,5									
	IP			34 23,1		-2,2							
MNG	IP	23	33	19		-5,7	9,04	202					
	IP			22,5									
	IP			34 57,2									
CAZ	IP	23	33	26		0,8	9,08	198					
	IP			35 11		3,9							
HEL	IP	23	33	31		-2,5	9,87	203	7,1				
	IP			35 21		-1,8							
KAI	IP	23	36	08,5		-0,4	12,24	211	6,6				
GPZ	IP	23	34	06		2,2	12,73	205	6,8				
	IP			36 18,1		-0,4							
USDCS	ORIGIN	23	31	16,2		31,15	179,6E	391 KM	MAG	5,2			
FEB 01		H	M	S	40,31S	174,57E	33 KM	SE	1,6	AVG MAG	69/ 063	4,2	
		00	32	33,4	0,03	0,03	2						
		+	-	0,5									
		4	4	S	DIR	RES	DIST	AZ	H-A	W	P	W	S
MNG	IP	00	33	07,0		-0,0	0,76	114					

FEB 02		H	M	S	39.47S	174.95E	33 KM	SE	1.0	AVG MAG	69/ 077		
		14	57	49.9	0.05	0.03	2			3.8			
		+ -		1.1			2				W-A	W P	W S
TNZ							DIR	RES	DIST	AZ			
MNG	PN	14	58	08.7				-1.2	1.22	161		3.6	3.7
	SN			26				1.1				3.9	3.8
WEL	EP*	14	58	22.0				-0.5	1.82	184	3.6	3.8	4.0
	SN*			46				-0.7					
COB	PN	14	58	25.2				-0.1	2.34	226		4.0	4.0
	PN*			32				0.7					
	SN			53				0.9					
	S*			59				-1.3					
KAI	ES*	14	59	54				0.1	4.06	220			
GPZ	ESV	14	59	47				0.8	4.57	201			
FELT W-HANGAMONA (48)													
TNZ S-P=6.5 SEC													

FEB 03		H	M	S	33.73S	179.71E	33 KM	SE	2.7	AVG MAG	69/ 078		
		03	41	24.2	0.13	0.14	2			4.7			
		+ -		3.2			2				W-A	W P	W S
GBZ	EP*	03	42	39				-3.5	4.27	233		4.4	
	EP			58									
ONE									4.85	244	4.7		
GNZ	EPN	03	42	39.0				1.9	5.09	195		4.5	4.7
	EP			58									
	SN			43				3.8					
AUC	EP*	03	42	53				3.3	5.10	231			
TUA	EPV	03	42	45				2.8	5.47	201	4.9	5.2	
	EP			54									
	SN			43				4.6					
	S*			53									
CRZ	P*	03	43	06				0.0	5.87	261			
MNG									7.66	205			
WEL	SN	03	44	54.0				-0.9	8.50	206			
COB	SN	03	45	14.0				2.4	9.20	215			
CIZ	SN	03	45	42				-2.9	10.61	165			
KAI	ESV	03	45	52				-0.6	10.94	214			
GPZ	SN	03	46	00				-2.7	11.37	207			
MJZ	ESV	03	46	27				-2.1	12.51	212			
MNG S-P=7.9 SEC													

FEB 04		H	M	S	47.47S	165.37E	135 KM	SE	0.5	AVG MAG	69/ 079		
		13	30	41.0	0.09	0.08	9			3.8			
		+ -		0.9			9				W-A	W P	W S
MNW	P	13	31	19.0				-0.3	2.29	43		4.0	3.3
	S			48.7				0.2					
MSZ	P	13	31	33.0				0.3	3.31	33		3.7	3.6
	S			32				-0.2					
MJZ	S	13	32	52				0.0	4.99	48			
MPZ S-P=28 SEC													

FEB 05		H	M	S	40.93S	172.66E	12 KM	SE	1.0	AVG MAG	69/ 080		
		07	13	21.3	0.04	0.03	2			3.8			
		+ -		0.7			2				W-A	W P	W S
COB	P*	07	13	26.2				1.0	0.16	161			
WEL	PG	07	13	53				-1.4	1.63	103	3.7	4.2	4.2
	SG			14				0.6					
KAI	SN	07	14	16				1.1	1.85	210	3.6		
TNZ	EP*	07	14	00				0.2	2.18	38			
GPZ	SN	07	14	37				-0.5	2.76	180	3.7		
MJZ	EPV	07	14	14				-0.1	3.46	207		3.4	
	SN			53				-0.9					
MNG S-P=33 SEC													

FEB 05		H	M	S	33.12S	179.59E	283 KM	SE	1.7	AVG MAG	69/ 081		
		12	32	31.0	0.12	0.12	22			5.3			
		+ -		2.2			22				W-A	W P	W S
EOZ											DIST	AZ	
GNZ	IP	12	33	26.9				0.7	4.64	190		5.6	5.2
	S			34				-2.1	5.66	193		4.8	4.8
TUA	P	12	33	31				0.5	6.01	198			
	S			34				1.3					
											8.17	203	
MNG	S	12	34	06				-1.7	9.01	204	5.8		
WEL	S			35				-0.4					
COB	EP	12	34	16.0				0.3	9.65	213			
	ES			35				2.2					
CIZ	S	12	35	38				0.8	11.23	166			
GPZ	ES	12	36	50				-1.6	11.87	205	5.7		
EOZ	S-P=61 SEC	MNG S-P=91 SEC											

FEB 05		H	M	S	37.50S	177.04E	254 KM	SE	1.3	AVG MAG	69/ 082		
		12	56	50.8	0.08	0.09	10			4.4			
		+ -		1.3			10				W-A	W P	W S
KRP	P	12	57	28				-0.2	1.27	230		3.7	
TUA	P	12	57	28.0				-0.5	1.31	176		4.3	4.6
	S			56				-1.5					
GNZ	IP	12	57	29.0				0.0	1.38	145		4.7	4.5
	E			53									
	S			59				0.6					
TNZ	EP	12	57	42				1.3	2.69	230		4.8	4.2
MNG									3.35	201		4.8	4.3
WEL	EP	12	57	56.8				-0.5	4.18	204	4.8	4.5	4.3
	S			58				1.9					
COB	S	12	58	06				-0.0	4.90	222			4.3
	S			59				0.2					
GPZ	EP	12	58	33				0.4	7.04	207			
	S			59				0.6					
MJZ	ES	13	00	16				-2.3	8.18	216			
MNG S-P=46 SEC													

FEB 05		H	M	S	41.89S	171.91E	12 KM	SE	1.4	AVG MAG	69/ 083		
		17	17	18.8	0.04	0.04	2			3.8			
		+ -		0.5			2				W-A	W P	W S
KAI	P*	17	17	33.3				0.8	0.74	210	3.6		
	IS*			42.0				-0.6					
COB	IP*	17	17	36.5				-3.7	1.01	38		4.1	4.3
	S*			50				-0.9					
GPZ	EP*	17	17	52.5				0.3	1.89	163	3.6		
	SN			18				-2.3					
WEL	S*	17	18	29				1.3	2.23	75	3.8		4.0
MJZ	PN	17	17	57				0.6	2.35	206		3.6	3.5
	P*			13				3.9*					
	SN			04				1.6					
				26							2.98	66	3.9
MNG	EPN	17	18	20				0.8	4.03	225		3.7	
MSZ	SN			19				-1.1					
MNG S-P=40 SEC													

FEB 06		H	M	S	38.81S	176.08E	163 KM	SE	1.2	AVG MAG	69/ 084		
		02	59	30.0	0.12	0.09	15			4.0			
		+ -		1.8			15				W-A	W P	W S
TUA	P	02	59	55				0.1	0.84	90			4.1
	S			03				-0.2					
KRP									0.98	334		3.9	3.3
GNZ	ES	03	00	25				-0.1	1.53	85		3.8	
MNG									1.87	194		4.6	3.8

STATION	H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S	AVG MAG	69/089
WEL	03	00	16,0		1,5	2,67	202	4,2	4,4	4,1		
COB	03	00	23		-1,1	3,43	227			4,7		
GPZ	03	01	54		-0,3	5,53	207					
FEB 06	08	39	51,5									
MSZ	08	40	09,0		1,0	0,43	43					
MNW	08	40	10,5	U	-0,4	0,80	174			4,6	4,5	
ROX	08	40	18		0,7	1,37	112			4,5	4,8	
MJZ	08	40	30,0		0,6	2,34	66			3,6	4,1	
GPZ	08	41	37		1,2	3,90	73			4,5		
COB	08	41	14			5,46	46					
FEB 06	14	59	36,9									
COB	14	59	51,9	U	0,3	0,80	45			4,4	4,2	
GPZ	15	00	15		1,2	2,09	167			3,6		
WEL	15	00	13		-1,2	2,12	81			3,8	4,0	4,1
MJZ	15	00	19		-0,2	2,59	205			3,5	3,4	
MNG						2,83	70			4,2	3,9	
TNZ						3,07	37				4,1	
MSZ	15	01	27		-1,3	4,24	223					
FEB 06	16	54	31,3									
COB	16	54	46,9		0,4	0,83	35			3,8	3,9	
KAI	16	54	49		-0,9	0,92	214			3,4		
GPZ	16	55	32		-0,2	1,97	168					
MJZ	16	55	12		0,5	2,52	208					
FEB 06	19	42	17,8									
KAI	19	42	37,1		0,3	1,05	43			3,5	4,2	4,3
COB	19	42	51		1,9							
GPZ	19	42	51		-1,0	1,93	151			3,7		
WEL	19	43	13		-0,4							
MJZ	19	42	56,0		0,3	2,30	76			3,8	4,0	
MNG	19	43	05		0,8	2,33	204			3,6	3,5	
TNZ	19	43	25		0,0	3,05	67			4,0	3,8	

STATION	H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S	AVG MAG	69/089
MSZ	19	44	02		-1,1	3,99	224					3,7
FEB 07	13	37	09,2									
ROX	13	37	23,8		-0,1	0,80	234			4,5	4,6	
MJZ	13	37	27,4	UN	-0,6	1,04	9			4,6	4,5	
MSZ	13	37	35,7		-2,3*	1,69	281					
MNW	13	37	42,0		-0,1	2,00	247			4,7	4,6	
GPZ	13	37	47,0		-0,3	2,17	53			4,5		
KAI	13	37	58		-0,3	2,63	19			4,4		
COB	13	38	14		0,4	4,33	26			4,4	4,2	
FELT CENTRAL DTAGO MM V												
FEB 07	14	35	37,9									
ROX	14	35	52		-1,0	0,74	216			3,3	3,1	
MJZ	14	35	54,7		-0,8	0,97	23			3,4	2,9	
MSZ	14	36	04		0,4	1,45	277				3,5	
MNW	14	36	10		-1,1	1,87	240			3,4	3,1	
FELT BLACKSTONE HILL (124) MM IV												
FEB 09	13	36	15,4									
KRP	13	36	55		-0,7	1,44	115				4,7	
GNZ	13	36	47,0		0,3	2,04	103			4,0	4,1	
MNG	13	36	52,8		1,2	2,40	180			4,4	4,4	
ECZ	13	37	01		-0,4	3,11	190			4,6	4,3	4,6
COB	13	37	08		0,4	3,56	216				4,5	
KAI	13	38	29		-0,7	5,71	215			4,8		
GPZ	13	38	40		-3,4*	5,88	200			5,1		
FEB 10	04	58	46,2									
MNG	04	58	54,0	U	-0,8	0,36	12					
WEL	04	58	58,0	UN	0,9	0,56	236			4,0	4,1	4,5

		H	M	S													
TNZ	SN	04	59	07	2.0												
	IPN	04	59	15.4	D	-0.7	1.94	336	4.7	4.4							
	SN			38													
COB	EPV	04	59	16		-1.0	2.00	266	4.4	4.5							
	SN			41		0.8											
TUA	EP*	04	59	33		1.7	2.56	33	4.3								
KRP	SN					3.05	2		4.0	4.1							
GPZ	SN	05	00	12		-2.0	3.39	216	4.0								
MJZ	SN	05	00	46		-0.2	4.72	229	3.7	3.6							
FELT WELLINGTON AREA MM IV																	
FEB 10		H	M	S													
		05	24	04.1		45.42S	166.74E	12 KM	SE	0.9	AVG MAG	69/ 091					
				+ 1.0		0.03	0.05	2			3.9						
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S						
MNW	IP*	05	24	19.8		-0.4	0.88	43									
	S*			32.5		0.4											
WPZ	EPV	05	24	30		0.1	1.46	100									
	SN			50		1.0					3.9	4.0					
MSZ	EP*	05	24	37		-1.2	1.93	25			3.5	3.7					
	SN					0.4											
	SN			25 00		0.2											
	SN			04		0.2											
	SN			10		0.7											
ROX	IP*	05	24	40		0.2	2.02	63			3.8	3.3					
	SN			51													
	SN			25 05		-1.5											
FEB 10		H	M	S													
		08	41	17.3		38.31S	176.52E	201 KM	SE	1.5	AVG MAG	69/ 094					
				+ 1.0		0.07	0.06	8			4.6						
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S						
TUA	IP	08	41	46.0		0.4	0.71	135			5.0	4.9					
	S			42 06		-1.4											
KRP	IP	08	41	50.0	U	1.0	0.86	295			4.7	3.6					
	S			42 13		-0.6					4.6	4.9					
ECZ	IP	08	41	53.5	U	0.1	1.72	70			5.0	4.6					
	S			42 20		-1.2											
TNZ	P	08	41	56		0.9	1.89	242			4.1	3.8					
	ES			42 24		-0.1											
MNG	IP	08	42	02.7		1.7	2.44	199			4.6	4.5					
	S			37		2.3											
HEL	P	08	42	11.5		0.8	3.26	204	4.9	4.7	4.9						
	S			33		1.1											
COB	EP	08	42	19		-1.1	4.03	225			4.3	4.7					
	S			43 08		-0.6											
GPZ	S	08	43	59		-1.7	4.13	207	5.4								
MJZ	EP	08	43	03		1.1	7.28	217									
	S			44 21		-2.7											
FEB 10		H	M	S													
		14	11	00.7		39.20S	178.60E	33 KM	SE	0.4	AVG MAG	69/ 093					
				+ 0.6		0.02	0.03	3			4.0						
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S						
GNZ	IPV	14	11	14.0	U	0.2	0.71	320			4.3	4.0					
	SN			23.5		0.2											
TJA	PV	14	11	20.0		-0.4	1.20	288			4.3	4.2					
	SN			35		-0.1											
MNG	ESN	14	12	14		0.2	2.79	238			3.1						
FEB 10		H	M	S													
		14	04	06.7		35.97S	177.18E	33 KM	SE	1.3	AVG MAG	69/ 096					
				+ 1.2		0.06	0.05	2			4.2						
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S						
QBZ	SV	14	04	46.5		0.6	1.40	259			3.3						
ECZ	EP*	14	04	42		-1.1	2.04	148									
GNZ	PV	14	04	45.8		1.0	2.76	166			4.2	4.0					
	E			03 15													

		H	M	S												
TJA	SN	14	05	21		2.0										
	ESN	14	05	21		0.0	2.84	180			4.5					
MNG	PV	14	05	15.3		-0.8	4.83	195			4.1	4.0				
	SN			09		-0.5										
HEL	EP*	14	05	26		-1.0	5.63	199	5.1	4.4	4.2					
	SN			05 27		-1.9										
COB	EPV	14	05	35		0.6	6.18	213								
	SN			06 43		0.9										
FEB 11		H	M	S												
		09	33	32.9		35.92S	175.88E	182 KM	SE	1.6	AVG MAG	69/ 097				
				+ 1.8		0.14	0.13	15			4.3					
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S					
TJA	P	09	34	01		0.1	1.00	94			4.5					
	S			21		-1.6										
GNZ	P	09	34	08		0.8	1.70	81			3.9	4.1				
	ES			33		-0.8										
MNG	IP	09	34	10.0		2.9	1.72	190			4.2	4.4				
	S			35		0.8										
HEL	ES	09	34	51		1.1	2.51	200	4.3		4.3					
COB	S	09	35	05		-0.6	3.24	227			4.3					
GPZ	S	09	35	53		-0.8	5.35	206	4.9							
MJZ	ES	09	36	19		-1.5	6.49	217								
FEB 11		H	M	S												
		13	45	44.2		43.25S	171.02E	12 KM	SE	1.3	AVG MAG	69/ 098				
				+ 0.3		0.02	0.03	2			3.6					
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S					
KAI	P*	13	45	59		0.4	0.78	22			3.3					
	S*			46 10		0.7										
	SN			13		-0.5										
MJZ	IP*	13	45	58.0		-1.5	0.84	208			3.7	3.3				
	S*			46 05		-1.9										
	SN			13		-1.7										
GPZ	EPV	13	46	07		-0.4	1.27	111	3.1							
	SN			24		-0.5										
	SN			28		1.0										
COB	EPV	13	46	25		0.8	2.91	31			4.0	3.8				
	SN			33		-2.0										
	SN			55		0.7										
ROX	EP*	13	46	29		0.4	2.53	208			4.0	3.7				
	S*			47 04		2.0										
MSZ	EP*	13	46	31		0.4	2.65	237			3.5	3.6				
	SN															

STA	PG	03 57	28.0	-3.4	1.18	163	4.8	4.8	
GNZ	IPN	03 57	22.5	-0.1	1.42	133	4.5	4.8	
ECZ	PN	03 57	31	0.8	1.46	91	4.7	4.6	
TNZ	PN	03 57	51	-1.3	2.37	230	4.1	3.7	
MNG	PN	03 57	53	0.9	3.09	198	4.3	4.2	
HEL	SN	03 58	48	0.3	3.90	202	4.8	4.4	
COB	PN	03 58	16.5	4.1	4.59	221		4.1	
GPZ	SN	03 59	54	-2.2	6.76	206			
MJZ	SN	04 00	22	-0.8	7.88	215			
FEB 12	H M S	08 44	36.2	0.02	42.03S	173.92E	12 KM	SE 1.2	AVG MAG 3.9
HEL	IPN	08 45	12.8	-1.1	0.97	41	4.0	4.5	4.4
COB	IPN	08 45	19.1	-0.7	1.29	316	4.1	3.9	
MNG	PN	08 45	27	0.1	1.83	40	4.1	3.8	
GPZ	PN	08 45	32	-0.3	1.91	209	3.4		
KAI	PN	08 45	47	0.8	1.93	254	3.2	3.9	
TNZ	PN	08 45	45	-0.5	2.86	7			
MJZ	PN	08 45	45	-2.0	3.20	231		3.5	
FEB 12	H M S	21 03	44.6	0.06	46.43S	166.41E	33 KM	SE 1.5	AVG MAG 5.0
MNW	IPN	21 04	01.2	-1.4	1.07	53	5.0	4.7	
WPZ	EPN	21 04	11.0	-0.3	1.70	99	4.9	5.4	
MSZ	PN	21 04	15.0	-1.2	2.06	32	4.8		
ROX	EPN	21 04	18.1	-0.6	2.25	66	5.2		
MJZ	EPN	21 04	40.0	0.4	3.77	51	4.7	4.4	
GPZ	SN	21 05	28	-1.7	5.20	60	5.1		
KAI	PN	21 05	26	2.2	5.30	44	5.0		
COB	PN	21 05	21	-1.7	7.04	43			
HEL	SN	21 07	05	0.7	7.93	53	5.5		
MNG	SN	21 05	51	3.8	8.79	52			

FELT COASTAL SOUTHLAND

DATE	H	M	S	RES	DIST	AZ	W-A	W P	W S	AVG MAG
FEB 13	02	18	38.7	0.08	37.01S	177.54E	250 KM	SE 0.5		69/ 103
GNZ	IP	02	19	19.0	0.3	1.67	167		4.1	4.1
TJA	S	02	19	52	-0.5	1.82	190		4.1	4.4
MNG	PN	02	19	42.1	-0.2	3.95	203		4.1	3.8
HEL	SN	02	20	50	0.2	4.78	205			4.1
COB	SN	02	21	06	-0.3	5.53	221			
FEB 14	H <td>M <td>S <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td></td></td></td></td></td>	M <td>S <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td></td></td></td></td>	S <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td></td>	AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td>	W-A <td>W P <td>W S <td>AVG MAG</td> </td></td>	W P <td>W S <td>AVG MAG</td> </td>	W S <td>AVG MAG</td>	AVG MAG
HEL	PN	14	46	28.0	1.4	0.82	51	3.4	3.6	4.1
COB	PN	14	46	30.0	-0.9	1.14	308	3.8	3.9	
MNG	PN	14	46	36.3	-2.0	1.67	46	3.7	3.6	
MJZ	SN	14	47	39	0.3	3.34	228			
MNG	TIMING UNCERTAIN									
FEB 14	H <td>M <td>S <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td></td></td></td></td></td>	M <td>S <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td></td></td></td></td>	S <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td></td>	AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td>	W-A <td>W P <td>W S <td>AVG MAG</td> </td></td>	W P <td>W S <td>AVG MAG</td> </td>	W S <td>AVG MAG</td>	AVG MAG
MNA	PN	15	22	41.0	-0.0	3.69	40	4.4	4.0	69/ 105
WPZ	EPN	15	22	42	0.7	3.72	59			
ROX	EPN	15	22	55	-0.0	4.72	50		4.0	
MSZ	PN	15	22	58	-0.1	4.73	34	4.1	3.9	
MJZ	SN	15	24	25	-1.7	6.36	45			
COB	PN	15	24	02	0.5	9.68	42			
FEB 15	H <td>M <td>S <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td></td></td></td></td></td>	M <td>S <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td></td></td></td></td>	S <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td></td>	AZ <td>W-A <td>W P <td>W S <td>AVG MAG</td> </td></td></td>	W-A <td>W P <td>W S <td>AVG MAG</td> </td></td>	W P <td>W S <td>AVG MAG</td> </td>	W S <td>AVG MAG</td>	AVG MAG
TJA	PN	04	59	12.0	-0.9	0.98	164	4.0	4.2	69/ 106
GNZ	PN	04	59	13.2	-1.2	1.23	129	3.9	3.9	
EDZ	EPN	04	59	19	-0.5	1.39	93	4.4	4.4	
TNZ	PN	04	59	34	-1.3	2.32	235			
MNG						2.93	200	3.8	3.8	

STATION	H	M	S	41.75S	171.55E	12 KM	SE 1.5	AVG MAG	69/101
HEL	05	00	34			2.9	3.76	204	4.5
COB	05	00	06			7.4*	4.50	223	4.1
KRP	01	03							
KRP S-P=17 SEC, MNG S-P=41 SEC, INTERPRETATION DOUBTFUL									
FEB 15	14	45	06.2	41.75S	171.55E	12 KM	SE 1.5	AVG MAG	69/101
KAI	14	45	21.0			0.3	0.78	188	3.6
COB	14	45	26.0			-0.3	1.11	54	4.1
MJZ	14	45	49			-1.2	2.37	199	3.4
HEL	14	45	16			1.4	2.46	50	3.7
FEB 15	16	46	05.4	42.93S	171.96E	33 KM	SE 0.9	AVG MAG	69/101
KAI	16	46	16			0.4	0.57	315	3.0
MJZ	16	46	29			-1.3	1.52	225	3.4
COB	16	46	35.0			-0.6	1.93	18	4.0
HEL	16	46	54			-0.5	2.66	53	3.9
MSZ	16	47	06			0.0	3.40	238	3.5
MNG			52			1.4	3.50	50	3.6
FEB 16	03	13	05.8	33.23S	178.69W	311 KM	SE 1.5	AVG MAG	69/101
ECZ	03	14	24.3			0.1	5.00	206	5.5
GNZ	03	14	35.5			-0.8	6.03	205	
TUA	03	14	42.3			0.2	6.51	210	
KRP	03	14	44			0.3	6.64	223	
MNG	03	17	03			-2.1	8.73	211	5.8
HEL	03	18	10			1.5	12.46	210	
FEB 16	15	57	12.3	43.83S	171.20E	33 KM	SE 1.2	AVG MAG	69/111
MJZ	15	57	22.2			-0.9	0.55	253	3.4
GNZ	15	57	32.0			0.1	1.06	53	3.7
MSZ	15	57	49.0			-0.9	2.50	249	3.8

LOCAL EARTHQUAKES

STATION	H	M	S	41.80S	171.71E	12 KM	SE 1.2	AVG MAG	69/111
FEB 17	02	22	49.3	41.80S	171.71E	12 KM	SE 1.2 <td>AVG MAG</td> <td>69/111</td>	AVG MAG	69/111
KAI	02	23	03			-0.5	0.76	197	3.5
COB	02	23	08.1			-0.2	1.05	48	4.0
GNZ	02	23	26			-0.4	2.02	160	3.3
HEL	02	24	02			0.3	2.35	79	3.8
MJZ	02	23	32			1.0	2.37	202	3.5
MNG	02	23	36			1.7	3.08	69	4.0
FEB 17	05	14	48.4	38.92S	176.55E	129 KM	SE 2.8	AVG MAG	69/112
TUA	05	15	08.0			0.6	0.48	77	
GNZ	05	15	15.0			1.6	1.18	77	3.9
KRP	05	15	14.0			-0.3	1.27	321	4.5
TNZ	05	15	22.0			2.7	1.71	260	4.3
MNG	05	15	23.0			1.6	1.69	206	3.8
HEL	05	16	06			0.1	2.74	209	4.3
COB	05	15	47			2.5	3.65	232	4.0
GNZ	05	17	10			2.7	5.61	210	
MJZ	05	17	40			-3.9	6.92	220	
FEB 18	15	42	40.5	42.03S	173.97E	12 KM	SE 1.2	AVG MAG	69/113
HEL	15	42	57.7			-0.3	0.96	39	4.2
COB	15	43	04.1			-0.3	1.32	315	3.9
MNG	15	43	09			-1.9	1.81	39	4.0
GNZ	15	43	35			-1.0	1.93	210	3.4
TNZ	15	43	32			1.5	2.86	6	4.0
MJZ	15	44	09			1.5	3.23	232	3.6
FEB 19	18	56	35.6	40.90S	176.70E	12 KM	SE 1.6	AVG MAG	69/114
MNG	18	56	53.3			-1.0	0.97	286	
HEL	18	57	02			-1.1	1.51	255	3.7

STATION	TYPE	TIME	MAG	DEPTH (KM)	SLIP (CM)	SLIP (CM)	SLIP (CM)	SLIP (CM)	SLIP (CM)
KRP	PN	11 53 02,9	-0,6	2,11	311	5,3			
WE	PN	11 53 12		2,90	227	4,8	4,6	4,8	
	SV	11 53 21							
	SV	11 53 29							
	SV	11 53 38	0,4						
GBZ	EPV	11 53 10	-1,6	3,51	331				
COB	PN	11 53 18,5	-1,1	4,10	243		4,9	4,8	
	SV	11 53 32							
	SV	11 53 41	-0,1						
	SV	11 53 55							
DNE	PN	11 53 59 06	-0,2	4,36	323	4,7			
	SV	11 53 24	0,9						
	SV	11 53 41							
	SV	11 53 59 14	1,5						
CIZ	ISN	11 53 54,0		6,38	138				
	PN	11 53 02,0	0,9						
MJZ	PN	11 53 39,0	-0,4	7,07	226				
	SV	11 53 59 12							
	SV	11 53 37							
	SV	11 53 48							
MSZ	PN	12 00 14	-3,4						
	SV	11 59 30,0	5,7*	8,95	230				
	SV	12 00 10							
MNH	PN	12 00 04	1,9						
	SV	12 00 09	-1,5	9,77	225				
	SV	12 00 24	2,6						
FELT GISBORNE-WAIROA DISTRICT, MAXIMUM INTENSITY MM V AT KOTEMAUORI (53)									
FEB 23	H M S	14 07 54,3	39,33S	177,56E	12 KM	SE	1,2	AVG MAG	69/ 122
		0,4	0,03	0,03				4,7	
	H M S	14 08 09,0	DIR	RES	DIST	AZ	H-A	W P	W S
GNZ	PN	14 08 09,0	0,5	0,77	28		4,9	4,7	
MNZ	PN	14 08 19,0	0,6	1,33	301		5,3	5,6	
ECZ	PN	14 08 24,0	U	-0,6	1,80	26		4,9	4,9
	SV	14 08 36							
	SV	14 08 47	0,1						
MVZ	PN	14 08 29,2	1,3	2,05	230		4,1	4,3	
KRP	PN	14 08 39,0	-0,5	2,12	311		5,1		
WE	PN	14 08 39,0	-0,5	2,90	227		4,5	4,7	4,7
	SV	14 08 55							
	SV	14 08 14	0,4						
AUG	PN	14 08 51	-0,8	3,30	317				
	SV	14 08 09 49							
GBZ	PN	14 08 46	-1,8	3,52	331		4,4		
COB	PN	14 08 55,2	-0,4	4,09	243		4,7	4,6	
	SV	14 08 09 10							
	SV	14 08 21	0,8						
DNE	PN	14 09 01	1,8	4,36	323	4,6			
CIZ	ISN	14 10 37	-0,1	6,38	138				
MJZ	PN	14 09 36	0,5	7,06	226				
	SV	14 09 59							
MSZ	EPV	14 10 04	-2,3	3,6*	8,94	230			
	SV	14 10 37	-1,1						
MNH	ESV	14 11 59	1,5	9,76	225				
FELT WAIROA DISTRICT MM IV									
FEB 23	H M S	23 34 11,1	39,32S	177,54E	12 KM	SE	1,5	AVG MAG	69/ 123
		0,5	0,04	0,04				4,9	
	H M S	23 34 21,5	DIR	RES	DIST	AZ	H-A	W P	W S
TUA	PN	23 34 21,5	U	-0,8	0,59	129		5,3	

LOCAL EARTHQUAKES

STATION	TYPE	TIME	MAG	DEPTH (KM)	SLIP (CM)	SLIP (CM)	SLIP (CM)	SLIP (CM)	SLIP (CM)
GNZ	PN	23 34 26,7	D	0,7	0,77	29		4,8	
MNZ	PN	23 34 35		0,0	1,32	301		5,1	5,2
	SV	23 34 01							
ECZ	PN	23 34 40	-1,4	1,80	26		4,6	4,5	
	SV	23 34 52							
MVZ	PN	23 34 45	0,3	2,05	230		4,3	4,0	
	SV	23 34 54	1,4						
KRP	PN	23 34 57		2,10	311		4,5		
TNZ	PN	23 35 30	-2,7	2,46	272		4,3	4,0	
WE	PN	23 35 11	-2,4	2,89	226		4,3	4,3	
COB	PN	23 35 11	-1,3	4,09	243		4,3	4,3	
	SV	23 35 30							
	SV	23 35 59	0,1						
CIZ	SV	23 35 55	0,5	6,40	138				
MJZ	SV	23 37 05	-2,1	7,06	226				
FELT WAIROA (53) MAUNGATANI-HA (52) MM IV									
FEB 24	H M S	00 28 30,4	41,03S	174,47E	12 KM	SE	0,5	AVG MAG	69/ 124
		0,2	0,02	0,01				3,7	
	H M S	00 28 58,0	DIR	RES	DIST	AZ	H-A	W P	W S
WE	PN	00 28 58,0	0,7	0,34	139		3,2		
	SV	00 29 02	-0,4						
MVZ	PN	00 29 06,7	U	-0,4	0,87	62		4,0	3,6
	SV	00 29 18,5		0,2					
COB	PN	00 29 14	-0,2	1,31	267		3,7	3,8	
	SV	00 29 32	0,1						
FELT BLENNHEIM (43)									
FEB 24	H M S	06 40 30,8	42,35S	173,99E	12 KM	SE	1,2	AVG MAG	69/ 125
		0,7	0,04	0,04				3,8	
	H M S	06 40 52,9	DIR	RES	DIST	AZ	H-A	W P	W S
WE	PN	06 40 52,9	-0,4	1,21	29		3,7	4,4	4,1
	SV	06 41 10,2	0,3						
COB	PN	06 40 57,6	-0,3	1,97	323		3,9	4,0	
	SV	06 41 19	1,0						
MVZ	PN	06 41 09,0	0,5	2,16	34		3,9	2,6	
	SV	06 41 09	1,9						
	SV	06 41 39	-1,3						
MJZ	PN	06 41 23	-1,0	3,05	236		3,5		
TNZ	ESV	06 42 17	-0,7	3,17	6			3,9	
FEB 24	H M S	09 13 19,5	39,55S	174,99E	103 KM	SE	1,7	AVG MAG	69/ 126
		1,3	0,05	0,05				4,0	
	H M S	09 03 36,0	DIR	RES	DIST	AZ	H-A	W P	W S
TNZ	PN	09 03 36,0	-0,5	0,59	307		4,1	4,0	
	SV	09 03 49	-3,5						
MVZ	PN	09 03 40,0	-2,0	1,14	161		3,8	4,0	
	SV	09 03 58	-1,1						
KRP	PN	09 03 48	-1,4	1,67	15		3,7	3,5	
WE	PN	09 03 14	2,3	1,75	195		3,8	4,0	4,1
	SV	09 03 51	0,5	1,84	67		4,2	4,2	
TUA	PN	09 03 51	0,5	1,84	67		4,2	4,2	
	SV	09 03 15	1,4						
COB	PN	09 03 57	0,2	2,31	227		4,0	4,2	
	SV	09 03 26	1,2						
FEB 24	H M S	15 05 12,3	42,41S	173,99E	33 KM	SE	1,1	AVG MAG	69/ 127
		0,6	0,03	0,03				3,9	
	H M S	15 05 34,0	DIR	RES	DIST	AZ	H-A	W P	W S
WE	PN	15 05 34,0	1,0	1,27	28		3,7	4,6	4,0
	SV	15 05 52	-2,8						
COB	PN	15 05 38,9	1,0	1,62	324		4,3	4,1	
	SV	15 05 57	0,0						
	SV	15 05 02	-1,1						

STATION	TYPE	TIME	COORDINATES	MAG	DEPTH	SLIP	AVG MAG	SLIP	AVG MAG
KAI	SV	15 05 13	1,4	1,01	266	3,5			
MNG	SV	15 05 45,0	0,4	2,12	33		4,3	3,7	
MJZ	EP*	15 06 04	-1,1	3,71	237		3,5	3,3	
KRP	ESV	30	-0,8				4,44	15	3,9 3,9
FEB 25 03 31 46,5 32,4 S 190,0 325 KM MAG 69/ 128									
USGS ORIGIN ADOPTED, SEE DISTANT SECTION FOR NZ READINGS									
FELT NGAKAROA (44), HAUNGATANIWA (32)									
FEB 25 04 46 37,3 45,53S 169,36E 12 KM SE 0,4 AVG MAG 69/ 123									
+ 0,2 0,01 0,01									
ROX	IP*	04 47 05,5	0,2	0,41	292				
MNZ	EP*	04 47 20	-0,2	1,25	214		4,5	4,4	
MNW	SV	04 47 25,0	0,4	1,58	264		4,4	4,0	
MSZ	SV	04 47 25,5	-1,3	1,67	304		4,5	4,2	
MJZ	EP*	04 47 26	-1,2	1,70	15		3,9	3,9	
FEB 25 18 39 38,8 45,16S 167,70E 113 KM SE 1,0 AVG MAG 69/ 131									
+ 1,0 0,03 0,05									
MSZ	P	18 39 56,9	0,7	0,51	17		2,2	4,3	
MNW	P	18 39 57,0	-0,1	0,62	185		4,0	4,3	
ROX	EP*	18 40 04	1,4	1,19	106		3,8	3,8	
MNZ	P	18 40 09,0	0,4	1,70	152		4,4	4,4	
MJZ	P	18 40 15,0	-1,3	2,30	60		3,5	3,7	
FEB 27 01 18 27,7 39,25S 176,09E 162 KM SE 0,9 AVG MAG 69/ 131									
+ 0,9 0,04 0,03									
KRP	P	01 18 53,9	0,1	0,54	306		4,0	3,2	
TJA	P	01 18 57	0,6	1,00	124		4,5	4,4	
GNZ	ES	01 19 28	0,8	1,56	103			4,3	
ECZ	P	01 19 05	-1,8	2,01	75		5,0	4,3	
MNZ	IP	01 19 10,4	1,1	2,42	191		4,5	4,5	
WE	S	01 20 01	1,0	3,20	195		4,6	4,5	
COB	ES	01 20 14	-0,1	3,84	221			4,4	
FEB 27 09 00 48,1 39,41S 176,45E 12 KM SE 0,8 AVG MAG 69/ 132									
+ 0,4 0,04 0,03									
TJA	EP*	09 01 00	-0,8	0,68	126		3,7	3,7	

STATION	TYPE	TIME	COORDINATES	MAG	DEPTH	SLIP	AVG MAG	SLIP	AVG MAG
KRP	EP*	09 01 04	0,1	0,86	303				3,1 3,1
GNZ	EP*	09 01 10,0	-0,7	1,26	101				3,5 3,4
FEB 28 12 19 27 36,49S 177,75E 33 KM SE 1,5 AVG MAG 69/ 133									
+ 2,1 0,09 0,08									
ECZ	EP*	12 19 27	-1,2	1,36	152				4,4
GNZ	EP*	12 19 34	-1,4	2,16	174				3,8 4,0
TJA	EP*	12 20 05	-0,1	2,36	191				4,4
MNZ	SV	12 20 05	0,8	4,49	203				3,8
FEB 28 14 45 39,9 45,02S 167,38E 113 KM SE 0,7 AVG MAG 69/ 134									
+ 0,9 0,03 0,04									
MSZ	IP	14 45 55,3	-0,5	0,42	35				
MNW	IP	14 45 59,0	0,6	0,76	178				4,4 4,2
ROX	P	14 45 35	0,8	1,31	111				
MNZ	P	14 45 10,6	-0,2	1,87	152				4,9 4,5
MJZ	S	14 45 44,4	-0,5	2,31	64				3,7
MAR 01 09 44 34,5 41,53S 171,68E 12 KM SE 1,3 AVG MAG 69/ 135									
+ 0,3 0,03 0,05									
KAI	P	09 44 48,2	0,2	0,73	195		2,6	2,7	2,9
COB	P	09 44 54,2	0,1	1,08	47				4,1 4,3
GNZ	EP*	09 45 11,0	1,2	2,00	160				4,6
WE	EP*	09 45 15	-1,3	2,38	79				4,1
MAR 02 13 40 14,7 37,52S 177,21E 194 KM SE 0,9 AVG MAG 69/ 136									
+ 1,1 0,22 0,28									
GNZ	P	13 40 46,4	0,1	1,00	151				4,0 4,4
MNZ	IP	13 41 09,9	1,8	3,38	203				4,5 3,8
WE	P	13 41 19,2	-0,4	4,21	206				4,2 4,1
COB	P	13 41 29	-0,3	4,98	223				3,8

H M S		38,48S 175,77E		187 KM	SE 0,7	AVG MAG	69/ 137		
+ 0,7		0,35 0,05		9			H=A	W P	W S
TJA	P	18 01	33,5	0,9	1,13	107	4,3	4,3	
GNZ	P	18 01	38,0	-0,7	1,77	96	4,1	3,9	
MNG	IP	13 01	43,5	0	2,15	186	4,5	4,6	
HEL	S	13 01	51,7	-1,4	2,91	195	4,4	4,5	4,4
COB	S	13 01	58	-0,0	3,50	221	3,7	4,2	
	S	02	42	0,2					
H M S		33,51S 179,75E		33 KM	SE 2,0	AVG MAG	69/ 131		
+ 3,1		0,30 0,37		3			H=A	W P	W S
GNZ	PN	07 36	18	-1,0	5,72	195	4,6		
TJA	(PN)	07 36	27	2,8	5,61	202	5,1		
MNG	PN	07 36	52	-1,6	7,79	205			
COB	EPN	07 37	14	-0,1	9,34	215			
	SN	38	18	-0,2					
	SN	38	59	0,1					
H M S		38,18S 176,25E		178 KM	SE 0,7	AVG MAG	69/ 139		
+ 0,7		0,03 0,03		5			H=A	W P	W S
KRP	IP	02 05	18,2	0,8	0,62	295	4,5	3,7	
TJA	P	02 05	21,0	0,1	0,94	132	4,7	4,9	
GNZ	P	02 05	23,7	1,1	1,15	208	4,3		
GNZ	P	02 05	25,1	-0,3	1,47	109	4,6	4,8	
TNZ	P	02 05	29,8	1,3	1,77	233	4,4		
MNG	P	02 05	37,2	0,3	2,50	194	5,0	4,7	
HEL	P	02 05	45,5	-0,1	3,30	200	4,4	4,4	4,3
COB	S	02 05	52,8	-0,4	3,97	222	4,1	4,6	
	S	05	42	-0,5					
H M S		34,26S 179,10W		477 KM	SE 2,6	AVG MAG	69/ 141		
+ 4,6		0,48 0,82		53			H=A	W P	W S
GNZ	P	10 42	57	-1,5	4,96	207	4,3	4,5	
KRP	EPN	10 43	04	-1,5	5,69	228	4,1		
TNZ	EPN	10 43	20	2,1	7,19	225			
MNG	P	10 43	27	1,9	7,68	213			
	S	44	55	-1,3					
INTERPRETATION OF PATTERN									
H M S		46,31S 156,50E		12 KM	SE 0,5	AVG MAG	69/ 141		
+ 0,5		0,03 0,04		3			H=A	W P	W S
MNG	IP	14 50	08,2	-0,1	0,94	36	4,6	4,4	
	IP		09,8	-1,1					
	SN		20,7	-0,4					
MSZ	PN	14 50	23,0	0,1	1,92	32	4,0	4,0	
	IP		25,2	0,1					
	IS		30,5	0,1					

LOCAL EARTHQUAKES

ROK	PN	14 50	25,5	0,5	2,14	68	4,1	4,1	
	SN		52	0,3					
MJZ	PN	14 50	55	0,4	3,64	52	3,9		
H M S		39,76S 176,27E		33 KM	SE 0,4	AVG MAG	69/ 142		
+ 0,5		0,04 0,01		3			H=A	W P	W S
GNZ	P	03 58	30	0,3	0,79	315	3,4	4,0	
TJA	P	03 58	40	-0,1	1,17	36	4,1	4,5	
GNZ	P	03 58	43,1	0,1	1,76	51	4,0		
H M S		44,98S 167,58E		12 KM	SE 1,2	AVG MAG	69/ 143		
+ 1,0		0,04 0,06		3			H=A	W P	W S
MNG	IPN	04 13	35,4	0,0	0,80	178	4,6		
ROK	IPN	04 13	43,1	0,9	1,33	113	4,6	5,1	
	PN		43,6	1,6					
	PG		46,8	1,7					
	SN		59,8	-0,2					
WPZ	PN	04 13	49,5	-0,3	1,90	133	4,6	4,8	
	(PN)		50,4	-1,4					
	SN		14 12	-1,0					
	E		52						
MJZ	PN	04 13	54,5	-0,5	2,29	65	3,8	4,3	
	PN		59,2	0,8					
	PG		14 05	0,5					
	SN		22,0	-0,4					
	SN		27	-1,7					
	E		29						
FELT QUEENSTOWN (132) MM IV									
H M S		39,91S 177,11E		33 KM	SE 1,2	AVG MAG	69/ 144		
+ 0,9		0,13 0,13		3			H=A	W P	W S
MNG	PN	04 31	03,2	1,0	1,44	240	3,8	4,0	
GNZ	EPN	04 31	18,8	-0,6	1,45	29	3,7	4,0	
	SN		02,5	0,2					
	SN		19	-0,7					
HEL	EPN	04 31	15	1,6	2,25	232	3,8	3,3	3,9
	ESN		39	-0,3					
BPZ	SN	04 32	46	-1,2	5,05	220	4,2		
H M S		38,66S 175,63E		144 KM	SE 1,0	AVG MAG	69/ 145		
+ 1,1		0,04 0,04		3			H=A	W P	W S
GNZ	IP	01 42	06,0	U	1,2	0,58	202	3,9	
KRP	P	01 42	05,2	-0,8	0,77	343	3,5	3,4	
	S		23,2	-0,1					
TJA	P	01 42	09	0,7	1,05	99	4,0	4,2	
	S		28	0,7					
GNZ	P	01 42	15	-0,4	1,72	90	4,0	3,7	
	S		39	-0,8					
MNG	IP	01 42	19,7	0,4	1,98	188	4,3	3,9	
	S		44	-1,0					
H M S		39,30S 174,32E		214 KM	SE 1,9	AVG MAG	69/ 146		
+ 0,8		0,07 0,09		14			H=A	W P	W S
GNZ	IP	02 05	45,3	U	0,5	1,12	58	5,1	4,9
MNG	IP	02 05	47,7	U	2,2	1,21	133	4,9	4,9
HEL	P	02 05	50,7	2,7	1,53	167	5,1	5,5	5,5

MAR 11		H	M	S	32.92S	176.60W	299 KM	SE	0.6	AVG MAG	69/ 158
		+ 1.1		0.04	0.11	13				3.8	
		H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
GBZ	EP	07	48	16		-0.7	5.89	234			
GNZ	P	07	48	22		-0.1	6.34	209			
	S	49	36			0.1					
KRP	P	07	48	30		0.8	6.92	222			
CRZ	P	07	48	35.5		0.2	7.43	256			
MNG	P	07	48	55		-0.2	9.03	210			
	S	50	35			-0.1					

MAR 11		H	M	S	39.76S	176.96E	33 KM	SE	0.9	AVG MAG	69/ 151
		+ 0.4		0.02	0.03	2				3.6	
		H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
TUA	PV	07	47	11.0		-0.4	0.96	9			
	SV	24				0.4					
GNZ	PN	07	47	15.0	D	-0.1	1.23	297		3.9	3.8
	PS	18.8				1.3					
	SV	31				0.8					
	S*	33				-1.2					
GNZ	PN	07	47	17.0		-0.2	1.39	37		3.4	3.5
	ESV	38				4.1*					
MNG	PN	07	47	15.8	U	-0.9	1.42	233		3.5	3.6
	PS	22				1.3					
	SN	34				-0.8					
	S*	40				0.2					
KRP	PN	07	47	27.3		-0.4	2.15	328		3.2	3.3
	PS	33				-0.0					

FELT NAPIER (32) MM IV

MAR 11		H	M	S	40.90S	172.35E	12 KM	SE	1.3	AVG MAG	69/ 157
		+ 0.4		0.02	0.03	2				4.8	
		H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
KAI	EPN	17	48	31		-0.8	1.77	203		4.8	
	PS	35				1.6					
	PS	40.5				2.6					
	ESV	53				-0.8					
HEL	PN	17	48	32.8		-0.3	1.87	103		5.1	5.5
	PS	34.8				0.2					
	PS	39.6				-0.2					
	SN	57				1.0					
	S*	49	00			0.3					
	SG	04				-1.0					
MNG	PN	17	48	40.0		-0.2	2.39	84			
	I	41.0									
	P*	45.5				1.5					
GPZ	PN	17	48	45		-1.0	2.80	176			3.9
	PS	50				-1.0					
	SN	49	19			-0.1					
GNZ	IPN	17	48	48.6	U	0.2	2.98	56		5.4	5.1
	PS	54				-0.1					
	S*	49	35			1.7					
KRP	IPN	17	49	00.5	UNE	0.4	3.86	41		5.0	4.8
	PS	10.5				1.4					
TUA	PN	17	49	01		-4.3*	4.24	62		5.0	
	PS	09.6									
	PS	11.2				-4.5*					
GNZ	PN	17	49	12		-2.4	4.92	65		4.5	4.3
	PS	21									
	PS	28									
	PS	50	16								
ROX	PN	17	49	14.8		-1.8	5.08	205		3.9	4.2
GBZ	PN	17	49	20.5		1.4	5.28	29		4.7	4.4
	PS	33.6				0.2					

LOCAL EARTHQUAKES

ONE FELT NELSON PROVINCE,		H	M	S	34.42S	179.75W	33 KM	SE	2.8	AVG MAG	69/ 158
		+ 2.7		0.12	0.26	2				4.5	
		H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
ECZ	PN	03	57	06.8		1.9	3.54	202		5.0	4.8
GNZ	PN	03	57	19.2		1.2	4.58	202		4.3	4.2
	PS	34.2				1.5					
	SN	58	12			2.3					
	E	19									
TUA	PN	03	57	26.0		0.8	5.04	209		5.1	4.9
	ESN	58	24			3.3					
	I	26									
KRP	PN	03	57	25		-2.0	5.17	226		4.2	3.7
	E	28.8									
CRZ	PN	03	57	44.5		2.9	6.25	268			
MNG	PN	03	57	52.5		-2.6	7.25	210			
	SV	59	11			-2.8					
	E	31									
	S*	51.5				-1.2					
COB	PV	03	58	13.0		-4.4	8.92	220			

MAR 12		H	M	S	45.57S	167.18E	109 KM	SE	1.4	AVG MAG	69/ 159
		+ 1.0		0.08	0.09	12				5.3	
		H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
MNA	IP	12	55	52.3	U	-1.1	0.37	125			
ROX	IP	12	56	06.2	U	1.6	1.51	87		5.1	5.2
	S	26.0				0.8					
WPZ	P	12	56	05.5	U	-0.1	1.59	134		5.4	5.2
	S	26.2				-0.8					
KAI	EP	12	56	44		2.2	4.30	47		5.1	
	S	57	31.7			0.4					
COB	S	12	57	05.0		-0.3	6.04	44			
	S	58	11.7			-1.9					
HEL	P	12	57	18		-0.4	6.98	55		5.6	
	S	58	32			-4.8*					
MNG	R	12	57	28.8		-1.1	7.83	54			
	S	58	57.8			0.3					
GNZ	S	12	57	44.3		3.4	8.87	47			
	S	59	24.8			2.0					
KRP	P	12	57	56		-1.1	9.36	42			
	S	59	44			-2.4					
GNZ	P	12	58	07.5		0.3	10.61	53			
CRZ	P	12	58	25.4		1.3	11.89	23			

MAR 12		H	M	S	38.09S	176.14E	209 KM	SE	0.6	AVG MAG	69/ 160
		+ 0.4		0.02	0.02	3				4.7	
		H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
KRP	P	23	13	44.2	U	3.3	0.51	289		4.3	3.8
	S	14	06.2			0.6					
TUA	IP	23	13	47.5	U	0.6	1.07	133		5.2	4.9
	S	14	10.6			-0.5					
GNZ	IP	23	13	51.6	U	0.6	1.58	111		5.0	5.1
	S	14	18			-0.4					
ECZ	S	23	13	54.5		0.0	1.94	79		5.2	4.8
	S	14	24.3			-0.2					
GBZ	S	23	13	53.5		-1.0	1.94	344		3.7	
MNG	IP	23	14	02.2	U	0.8	2.58	191		5.0	4.8
	S	36.5				-0.3					
HEL	IP	23	14	10.5	D	-0.0	3.37	198		4.8	5.3
	S	53				-0.0					
COB	S	23	14	18		-0.1	3.99	220		4.5	4.8

S		15 06.2	-0.4												
H	M	S		DIR	RES	DIST	AZ	W-A	W	P	W	S			
MAR 12	23	42 45.2	38.37S 178.59E	72 KM	SE	0.8		AVG MAG	69/ 161						
		+ 0.9	0.06	0.07	7			3.6							
GNZ	P	23 42 58			-0.3	0.92	238	3.7	4.0						
ECZ	P	23 43 01			0.6	0.68	357	4.0	4.0						
TUA	EP	23 43 07			-0.0	1.21	248	4.2	4.1						
KRP	P	23 43 23			-0.7	2.45	280	3.1	3.1						
MNG	EP	23 43 36			0.4	3.29	226	3.1	2.9						
MAR 13	00	58 47.3	38.98S 177.00E	33 KM	SE	0.9		AVG MAG	69/ 162						
		+ 0.4	0.04	0.03	3			4.6							
TUA	IP	00 58 53.5			-0.3	0.21	35								
GNZ	P	00 59 02.8			-1.2	0.87	68								
CNZ	IP	00 59 08.4		D	-0.1	1.15	258	4.5							
KRP	PN	00 59 11.2			-0.7	1.55	312	4.2							
ECZ	PN	00 59 16.0			1.2	1.77	44	5.2							
MNG	PN	00 59 18.6			0.4	2.01	215	4.5							
GBZ	PN	00 59 32.0			0.2	3.01	336								
FELT MAUNGATANIHA (52)															
TWO OR MORE SHOCKS															
MAR 13	10	07 17.5	42.06S 171.69E	12 KM	SE	1.3		AVG MAG	69/ 163						
		+ 0.4	0.03	0.04	2			4.1							
KAI	P	10 07 26.7			-0.6	0.51	203								
COB	P	10 07 33.5			-1.0										
	P	10 07 37.7			-2.2	1.25	39	2.9	4.7	4.6					
	PN	38.8			-1.7										
	P	42.0			-0.9										
	S	55			-1.7										
	SG	59.3			-0.4										
GPZ	PN	10 07 46.7			-0.7	1.78	157	3.2	3.9						
	SN	08 09			-0.4										
HEL	PN	10 07 57.4			1.1	2.43	72	4.5	4.4						
MNG	PN	10 08 06.7			-0.0	3.20	64	4.5	4.1						
	P	14.1			0.8										
	PG	23			0.8										
	SN	43.5			-0.2										
	PN	56			0.8										
MNW	SN	10 08 27.5			-0.1	4.74	217	4.1	4.3						
	SN	09 23.5			2.4										
KRP	PN	10 08 33			0.9	5.08	37	4.3	4.1						
	SN	09 30			0.8										
	S	54			2.2										
MAR 14	02	00 19.8	38.82S 175.94E	129 KM	SE	1.4		AVG MAG	69/ 164						
		+ 0.9	0.04	0.04	3			4.1							
CNZ	IP	02 00 40.7		D	1.8	0.49	219								
	S	55			1.5										
TUA	P	02 00 43.5			1.2	0.95	90	4.1	4.2						
	S	59			-0.6										
KRP	P	02 00 42.7			0.3	0.95	340	3.4	3.4						
	S	58			-1.6										
GNZ	P	02 00 51.0			1.1	1.64	84	3.9	4.2						
	S	01 11.0			-1.7										
MNG	IP	02 00 53.0		U	0.9	1.83	191	4.3	4.2						

S		01 16	-0.6												
H	M	S		DIR	RES	DIST	AZ	W-A	W	P	W	S			
EDZ	EP	02 00 59			0.5	2.34	62			4.6					
HEL	P	02 01 02.4			-0.0	2.62	200	4.2	4.2	4.2					
	ES	33			-1.7										
COB	P	02 01 10.7			-1.2	3.35	226			4.4	3.6				
MAR 14	16	34 43.9	40.22S 173.41E	169 KM	SE	0.9		AVG MAG	69/ 165						
		+ 0.9	0.05	0.04	3			4.2							
COB	P	16 35 10.6			-0.1	1.01	211	4.4	4.0						
	S	31.5			0.1										
HEL	IP	16 35 15.1		U	0.1	1.48	136	4.2	4.2	4.5					
	S	38.2			-0.8										
MNG	IP	16 35 17.7		D	1.1	1.63	105			4.3	4.6				
	S	42			0.3										
CNZ	P	16 35 20.9			1.0	1.94	59	4.0	4.0						
	S	46.8			-0.8										
TUA	EP	16 35 35.0			-0.5	3.22	65	4.2	4.1						
	ES	36 15			-0.1										
GNZ	P	16 35 42.8			-1.4	3.90	68	4.3	3.5						
	ES	36 31.6			1.0										
MAR 15	22	28 26.2	35.31S 178.86E	289 KM	SE	1.6		AVG MAG	69/ 166						
		+ 2.1	0.11	0.16	18			4.4							
ECZ	P	22 29 15.2			-0.5	2.39	186			5.0	4.8				
	S	55			0.7										
GBZ	P	22 29 19.3			-1.3	2.89	251			3.8					
GNZ	P	22 29 24.3			-1.4	3.39	191			4.7	4.6				
	S	30 12			-0.1										
ONE	P	22 29 29			-0.0	3.69	262	4.5							
KRP	P	22 29 31.0			1.6	3.73	225			4.1					
CNZ	P	22 29 42.9			2.6	4.69	213			4.0					
MNG	P	22 29 54.0			-1.0	5.93	206			4.2	4.3				
	S	31 04			-0.5										
MAR 16	05	56 21.8	36.99S 177.22E	289 KM	SE	1.0		AVG MAG	69/ 167						
		+ 0.9	0.08	0.11	10			4.4							
ECZ	P	05 57 03			0.1	1.27	124			4.7	4.6				
KRP	P	05 57 04.6			-0.6	1.63	235			3.7					
GNZ	P	05 57 07.0			0.9	1.77	159			4.3	4.7				
	S	40			-0.5										
TUA	P	05 57 06.8			0.4	1.81	182			4.7	4.6				
	S	40.3			-0.6										
CNZ	P	05 57 14.0			1.0	2.97	210			3.9					
MNG	P	05 57 26.1			-0.4	3.87	200			4.6	4.4				
	S	58 18			1.1										
HEL	EP	05 57 34			-1.8	4.69	203	4.9	4.0	4.4					
	ES	58 34			0.3										
COB	EP	05 57 44			0.1	5.37	219			3.9	4.2				
MAR 17	15	39 58.3	37.83S 176.17E	59 KM	SE	0.2		AVG MAG	69/ 168						
		+ 0.4	0.03	0.02	5			3.6							
KRP	P	15 40 10.6			-0.1	0.51	259			3.6	3.8				
	IS	20.0			0.0										
TUA	P	15 40 20			-0.1	1.25	142			3.5					
	EP	15 40 23			0.0	1.45	199			3.2					
GNZ	EP	15 40 26			0.1	1.67	120			3.7					
GBZ	EE	15 40 25				1.70	341			3.6	3.6				
	EE	51													
FELT MAKETU (26) 4M IV															

MAR 18		H	M	S	36.31S	179.11E	167 KM	SE 0.3	AVG MAG	69/181
		05	17	22.8	0.02	0.02	5		4.6	4.6
		- 0.4								
ECZ	P	05	17	53.3	-0.2	1.46	198		5.0	5.8
GNZ	P	05	18	05.0	-0.1	2.49	200		4.4	4.3
TUA	P	05	18	10.4	-0.4	2.94	211		5.0	4.7
KRP	P	05	18	14.8	-0.2	3.28	239		4.4	3.9
ONE	P	05	18	23	0.3	3.88	276	4.4		
GNZ	P	05	18	25.0	0.3	4.04	223		4.6	4.3
		E		32.0						
		I		29.3						
HEL	S	05	19	59.0	0.1	6.02	213		5.2	

MAR 20		H	M	S	43.00S	167.71E	129 KM	SE 1.2	AVG MAG	69/171
		06	30	52.8	0.06	0.05	9		4.9	4.9
		- 0.7								
MNA	IP	06	31	14.7	U	0.8	0.78	185	4.9	4.7
ROX	IP	06	31	20.0	U	1.7	1.23	113	4.9	5.0
WPZ	P	06	31	25.3	0.4	1.84	155		5.1	5.2
MJZ	P	06	31	31.0	-1.2	2.22	64		4.4	4.8
KAI	E	06	32	37		3.65	49	4.8		
GPZ	ES	06	32	34	-0.6	3.77	71	4.7		
COB	P	06	32	11.6	-0.3	5.37	45		4.6	4.8
HEL	P	06	32	26.0	-1.1					
MNG	P	06	32	35.1	0.8	6.36	57	5.1		
KRP	EP	06	33	03.3	-1.6	7.20	55			
		E		0.2	0.19	42				
FELY NIGHTCAPS (140) MH III AND MANAPOURI (139)										

MAR 21		H	M	S	38.88S	178.40E	33 KM	SE 0.6	AVG MAG	69/171
		10	10	58.9	0.03	0.03	9		4.1	4.1
		- 0.6								
GNZ	IPN	10	11	04.2	-0.5	0.30	278			
TUA	PN	10	11	14	0.4	0.98	262		4.4	4.3
ECZ	PN	10	11	13.8	-0.0	1.00	7		4.7	4.4
TRZ	SN	10	11	26	0.6	1.50	234		4.6	4.8
GNZ	EP	10	11	41.0		2.28	256		4.0	3.7
KRP	PN	10	11	32.0	-0.7	2.37	288		3.4	
MNG	PN	10	11	40.9	-0.4	2.97	228		3.0	3.4
		E		12 01						
		SN		13	0.7					

MAR 22		H	M	S	32.34S	179.06E	441 KM	SE 1.6	AVG MAG	69/171
		08	47	03.8	0.20	0.31	43		5.1	5.1
		- 2.1								
ECZ	P	08	48	41	-0.5	6.27	206		4.4	4.4
KRP	P	08	48	42	-0.2	6.34	187			
GNZ	ES	08	48	54.3	-1.2					
GNZ	P	08	48	54.3	0.3	7.41	202			
TRZ	P	08	48	59	1.1	7.42	194			
MNG	ES	08	49	07.4	2.3					
MNG	P	08	49	07.4	-1.2	8.75	198			
		I		50 46	-1.4					
		I		49.2						

MAR 22		H	M	S	39.47S	175.66E	12 KM	SE 0.6	AVG MAG	69/173
		19	29	52.4	0.01	0.01	9		4.0	4.0
		- 0.2								
GNZ	PN	19	29	58.1	U	-0.2	0.28	342		
TRZ	PN	19	30	08.8	U	-0.1	0.90	96	4.4	4.2
		S		11.0		0.2				
		SN		21	-0.2					
		SN		24	-0.4					
MNG	IP	19	30	12.8	D	-0.3	1.16	187		
TUA	EPN	19	30	16	-0.3	1.33	61		4.2	4.1
KRP	EPN	19	30	19.4	0.1	1.54	356		4.1	3.5
		PN		20.6	0.7					
		PN		23.0	-0.7					
		SN		39	-0.1					
HEL	PN	19	30	24	-0.5	1.94	200	3.6		
		S		53	0.7					
COB	EPN	19	30	36	0.2	2.76	233		4.3	4.0
FELY MOAHANGO (58) MH IV										

MAR 22		H	M	S	37.59S	178.66E	61 KM	SE 2.0	AVG MAG	69/174
		23	49	47.9	0.14	0.31	12		4.0	4.0
		- 3.7								
ECZ	IP	23	49	56.5	-1.3	0.17	212			
GNZ	IS	23	50	09.0	-0.1	1.20	205		4.0	4.3
TUA	EP	23	50	11.0	1.8	1.73	223		4.4	
TRZ	P	23	50	15	1.6	2.47	219		4.5	4.3
KRP	P	23	50	28.0	1.4	2.90	260		3.6	3.7
GNZ	P	23	50	28	0.6	2.87	297		3.9	
MNG	P	23	50	33	0.4	3.94	218		3.9	3.7
COB	EP	23	50	45.2	-2.2	5.80	231			
		S		11	-2.2					

MAR 23		H	M	S	37.37S	179.63E	107 KM	SE 1.8	AVG MAG	69/175
		01	58	46.2	0.11	0.24	23		4.4	4.4
		- 2.9								
ECZ	IP	01	59	05.0	-1.6	0.92	249			
GNZ	P	01	59	19.7	1.7	1.80	224		4.9	
TRZ	P	01	59	36.2	1.7	3.10	224		5.0	4.7
KRP	S	02	00	11.0	0.1	3.29	259		4.1	3.9
GNZ	P	01	59	37.1	-3.0	3.52	288		4.1	
MNG	P	01	59	41.0	1.8	4.58	224		4.3	4.2
COB	EP	02	00	19.8	-1.4	6.51	233			

MAR 23		H	M	S	35.05S	177.66E	33 KM	SE 2.2	AVG MAG	69/176
		09	56	31.9	0.18	0.18	9		4.3	4.3
		- 3.7								
GNZ	P	09	57	25.0	0.5	3.60	175		4.5	4.4
TUA	S	09	58	04	-0.7					
TRZ	S	09	58	10.5	1.6	3.77	186		4.7	
MNG	P	09	58	29	1.4	4.54	188		4.6	
COB	ES	09	59	32	-3.4	5.82	197		3.6	4.0
		S		58 53	-3.4					
		S		58 53	1.3	7.17	211			

MAR 24		H	M	S	38,29S 176,29E		33 KM	SE 1,8	AVG MAG	69/ 177		
		02	32	05,5	0,10 0,05							
		+ 0,8										
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S	
KRP	PN	02	32	16,8		-0,9	0,65	299	3,8	3,2		
	P*			18,1		-0,4						
TUA	PN	02	32	18,7	U	-2,4	0,90	129	4,5	3,9		
	S*			33		-2,1						
CNZ	PN	02	32	25,2		1,3	1,10	210	3,4			
TRZ	EPN	02	32	29		1,4	1,36	161	4,2			
GNZ	PN	02	32	29,5		1,0	1,44	106	4,3	3,8		
	SN			48		2,1						
	S*			51		-0,0						
FELT ROTOMAHANA (33)												
MAR 24		H	M	S	39,76S 177,06E		56 KM	SE 0,8	AVG MAG	69/ 178		
		09	18	06,3	0,04 0,04							
		+ 0,4										
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S	
TRZ	IP	09	18	16,8	D	0,4	0,27	318				
	S			23,8		-0,1						
TUA	IP	09	18	24,3	U	0,3	0,95	4	5,0	5,0		
	S			36,1		-1,1						
CNZ	IP	09	18	30,1	U	1,3	1,30	295	4,7	4,5		
GNZ	P	09	18	29,5		0,2	1,34	34	3,7	4,1		
	S			47		0,4						
MNG	IP	09	18	30,2	U	-1,2	1,48	234				
KRP	P	09	18	40,8		-0,1	2,18	326	3,6			
HEL	P	09	18	43		0,1	2,32	228	4,0	4,0	4,2	
	S			19 11		0,7						
ECZ	EP	09	18	43,5		-0,1	2,36	30	4,5			
COB	P	09	18	59,6		-0,9	3,56	247				
FELT MAUNGATANIWA (52)												
MAR 25		H	M	S	37,17S 176,92E		265 KM	SE 1,0	AVG MAG	69/ 179		
		04	32	16,4	0,04 0,06							
		+ 0,8										
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S	
KRP	IP	04	32	56,4	USW	1,0	1,33	239	5,0	4,3		
	S			33 26		0,6						
ECZ	IP	04	32	54,8	U	-1,0	1,39	113	5,4	5,3		
GBZ	P	04	32	55,1	D	-1,4	1,50	309	4,1			
TUA	IP	04	32	57,8	U	0,3	1,65	174	5,5	4,8		
	S			33 28,5		-0,8						
GNZ	IP	04	32	58,1	DS	0,1	1,71	150	5,4	5,3		
CNZ	P	04	33	04,3		1,2	2,30	208	4,9	4,3		
TRZ	IP	04	33	05,0	U	1,1	2,38	182	5,7	5,2		
	S			42		1,2						
MNG	IP	04	33	17,4	U	0,3	3,62	198				
	S			34 03,5		-1,3						
HEL	P	04	33	26,5		0,0	4,44	201	5,4	5,2	5,1	
	S			34 20		-1,2						
COB	P	04	33	33,5		-0,8	5,09	218	4,6	5,0		
MJZ	P	04	34	16		0,6	8,39	214				
FELT CENTRAL AND SOUTHERN HAWKES BAY MM IV = V												
MAR 25		H	M	S	43,47S 170,77E		12 KM	SE 1,5	AVG MAG	69/ 180		
		10	57	04,1	0,06 0,10							
		+ 0,5										
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S	
MJZ	IP*	10	57	15,2	USW	0,3	0,96	203				
KAI	P*	10	57	22,0		-1,2	1,05	27	3,6	4,2		
	PN			23,4		-1,1						
	PG			26		0,5						
	S*			36,5		-0,9						
GPZ	PN	10	57	28,7		-0,1	1,38	100	3,6	3,8		
ROX	PN	10	57	40,8		0,3	2,26	207	4,8	4,6		
	PG			50,2		0,3						

LOCAL EARTHQUAKES

MAR 25		H	M	S	41,51S 175,13E		12 KM	SE 0,9	AVG MAG	69/ 181		
		18	50	29,1	0,05 0,03							
		+ 0,9										
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S	
HEL	P*	18	50	36,3		1,1	0,35	309	3,7			
	S*			41,0		0,6						
MNG	P*	18	50	49		-0,1	0,93	17	3,7	3,9		
	S*			56,3		-1,4						
COB	PN	18	50	58,9		-0,2	1,86	252	4,0	3,9		
	P*			51 00,6		-0,4						
	SN			20,7		-1,2						
CNZ	PN	18	51	05,8		0,3	2,33	8	3,8	3,7		
	P*			10,0		1,0						
KRP	P*	18	51	31		0,3	3,59	5	3,4			
FELT WELLINGTON (68) MM IV YORK BAY (68) MM III												
MAR 26		H	M	S	40,40S 176,64E		33 KM	SE 1,0	AVG MAG	69/ 182		
		17	52	48,2	0,03 0,04							
		+ 0,4										
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S	
CAZ	IP*	17	53	02,2	D	1,9	0,59	212	5,4	5,7		
TRZ	IP*	17	53	03,5	D	0,2	0,86	9				
MNG	IP*	17	53	04,0	U	-0,0	0,91	286				
CNZ	IP*	17	53	12,2	U	0,6	1,47	325				
TUA	IP*	17	53	14,2	U	0,2	1,64	14	5,0	4,8		
	SN			34		0,6			5,2	5,0		
	I			49								
HEL	IP*	17	53	14,6	U	0,1	1,67	238	4,6	4,9	5,0	
	P*			20		1,7						
	SN			35,3		1,1						
	I			49								
GNZ	PN	17	53	19,1		-0,6	2,05	32	4,9	4,8		
	SN			42,5		-0,9						
	I			45								
KRP	PN	17	53	27		-0,4	2,62	340	4,6	4,5		
	P*			34		-0,4						
COB	PN	17	53	33,7		0,3	3,05	256	4,9	4,9		
	P*			44		2,3*						
	S*			54 21		-0,8						
ECZ	PN	17	53	33,5		-0,3	3,08	29	4,5			
GBZ	PN	17	53	50,5		0,4	4,28	347	4,1			
GPZ	SN	17	54	40		-1,5	4,44	221	5,0	4,8		
KAI	PN			4,7		4,47	240	4,6				
MJZ	PN	17	54	10,6		-0,4	5,82	230	4,2	4,0		
	SN			53 15		-1,9						
FELT CENTRAL AND SOUTHERN HAWKES BAY MM IV = V												
MAR 27		H	M	S	38,33S 176,06E		173 KM	SE 1,0	AVG MAG	69/ 183		
		22	20	11,2	0,04 0,04							
		+ 1,0										
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S	
KRP	P	22	20	35,4	U	-0,3	0,98	314	3,9	3,3		
	S			54,5		-0,0						
CNZ	P	22	20	39,9	U	1,4	0,96	205	4,3	3,6		
TUA	P	22	20	37,4		-0,8	0,98	120	4,4	4,5		
	S			58		-1,0						
TRZ	P	22	20	42,5		1,0	1,36	155	4,7	4,9		
	S			21 05,8		0,9						

		H	M	S	U	0.0	2.33	191	4.8	4.1				
MNG	IP	22	20	52										
	S	21	24			0.6								
HEL	P	22	21	01.3		-0.4	3.12	198	4.5	4.9	4.4			
	ES	39				-1.5								
COB	P	22	21	10		0.1	3.77	222		3.7	4.2			
	S	55.0				-0.1								
MAR 28	H M S	37.30S	176.58E	304 KM	SE	0.9	AVG MAG	69/184						
		0.04	0.06					4.6						
	H M S	DIR	RES	DIST	AZ	H-A	W P	W S						
KRP	IP	13 05 18.1	USW	0.4	1.03	233	4.7	3.2						
	S	50.1		0.3										
GBZ	P	13 05 18.4		-1.4	1.39	321	3.9							
TUA	IP	13 05 21		0.1	1.57	163	5.3	4.7						
	S	54		-1.3										
GNZ	IP	13 05 22.1	D	-0.0	1.76	140	5.0	4.9						
	S	55.0		-2.7										
CNZ	P	13 05 25.2		0.5	2.06	203	4.4	4.0						
	S	06 03		1.2										
TRZ	P	13 05 26.8		0.8	2.26	175	5.0	4.9						
	S	06 05.9		0.8										
MNG	P	13 05 37.0		-0.2	3.42	194	4.8	4.7						
	S	06 23		-1.6										
HEL	P	13 05 46.3		0.5	4.22	199	5.0	4.5	4.9					
	S	05 40		-0.1										
COB	P	13 05 52.8		0.3	4.82	217	4.0	4.5						
	S	06 52		-0.2										
GPZ	S	13 07 39.5		-0.5	7.06	204	5.5							
MAR 30	H M S	35.69S	179.28E	12 KM	SE	0.7	AVG MAG	69/188						
		0.02	0.03					4.4						
	H M S	DIR	RES	DIST	AZ	H-A	W P	W S						
ECZ	PN	04 41 33.1		0.4	1.15	330	5.2	5.1						
	PG	39.1		0.7										
	SN	48.5		-0.2										
TUA	PN	04 41 40		0.5	1.67	265	4.9	4.9						
	PG	44.7		-0.1										
	SN	42 00.5		0.0										
	SP	09		1.7										
CNZ	PV	04 41 58		1.0	2.95	259	4.6	4.4						
	PS	42 03		0.4										
	SN	32		0.3										
KRP	PN	04 41 57		-1.1	3.04	283	4.1	3.8						
	PS	42 03		-1.1										
	PG	12		-0.5										
MNG	PN	04 42 04		-0.3	3.51	236	4.1	4.1	4.1					
HEL					4.33	232	4.5	4.0	4.4					
COB	PN	04 42 32		-0.1	5.57	243	3.9	4.3						
MAR 30	H M S	45.02S	167.43E	12 KM	SE	1.2	AVG MAG	69/185						
		0.05	0.10					3.8						
	H M S	DIR	RES	DIST	AZ	H-A	W P	W S						
MNW	PS	22 26 37.5		1.2	0.77	170	3.7	4.3						
	SN	55.3		0.5	1.41	110	3.2	3.9						
WPZ	PN	22 26 43.2		0.4	1.92	149	4.5	4.2						
	SV	27 05		-1.2										
MJZ	PN	22 26 48.8		-0.6	2.41	66	3.1	3.6						
	PS	54.0		0.7										
	SV	27 17.0		-1.0										
GPZ					3.97	72	3.6							

		H	M	S	U	35.32S	178.63E	273 KM	SE	1.5	AVG MAG	69/187							
MAR 31	H M S	05 35 29.8				0.09	0.14				4.5								
		1.9										27	DIR	RES	DIST	AZ	H-A	W P	W S
ECZ	P	05 36 18.5				0.8						182		0.8	2.37	182		5.0	5.0
GNZ	P	05 35 27.6				-0.3						195	U	-0.3	3.35	195		4.9	4.5
	S	37 12.0				-1.1													
KRP	IP	05 36 30				-0.6						223		-0.6	3.60	223		4.2	
	S	32.5																	
CNZ	P	05 36 43.8				1.9						211		1.9	4.59	211		4.1	4.2
	S	37 40				1.8													
CRZ	P	05 36 45.6				-0.8						279		-0.8	4.97	279		4.2	
MNG	P	05 36 56.7				-0.3						204		-0.3	5.84	204		4.2	4.2
	S	38 04				-1.4													
HEL												206			6.68	206		5.1	
MAR 31	H M S	38.50S	179.12E	12 KM	SE	1.5	AVG MAG	69/188											
		0.04	0.09					3.9											
	H M S	DIR	RES	DIST	AZ	H-A	W P	W S											
GNZ	IP	14 18 15.6		0.7	0.98	260													
	PG	18		1.3															
	S	27		0.2															
ECZ	IP	14 18 15.6		-0.2	0.93	330													
	PG	18		0.3															
	S	27		-1.3															
TUA	PV	14 18 28.1		2.0	1.98	258			3.9	4.2									
CNZ	PV	14 18 45.0		1.1	2.88	255			3.8	3.5									
	PS	50		0.8															
	PG	56		-1.1															
MNG	PV	14 18 51		-1.4	3.92	232			3.5	3.5									
	SN	19 30.5		-2.4															
HEL																			
									4.35	229									
MAR 31	H M S	44.90S	169.94E	12 KM	SE	0.8	AVG MAG	69/189											
		0.03	0.03					4.2											
	H M S	DIR	RES	DIST	AZ	H-A	W P	W S											
ROX	PS	19 12 34.3		-0.8	0.72	217			4.7	4.7									
	PG	36.5		0.1															
	S	44.5		-0.5															
	SP	46		-0.2															
MJZ	IP	19 12 39.0		-0.7	0.99	22			4.4	4.2									
	PG	42		0.2															
	S	53.5		0.4															
MNW	PV	19 12 52.6		-0.0	1.86	241													
WPZ	PV	19 12 54.7		1.3	1.92	203			4.6	4.4									
	PS	56.3		0.8															
GPZ	PV	19 12 58.5		0.1	2.29	59			4.2										
	PG	13 06.8		-1.1															
	SN	39		0.2															
MNG	PV	19 13 46.2		-1.1	5.91	46			3.6	3.2									
	PS	14 34		0.1															
CNZ	PV	19 14 04		1.2	7.06	38													
MAR 31	H M S	38.40S	176.13E	157 KM	SE	1.2	AVG MAG	69/190											
		0.05	0.05					4.2											
	H M S	DIR	RES	DIST	AZ	H-A	W P	W S											
KRP	P	20 03 51.6		-0.1	0.67	315			3.7	3.4									
	S	04 09		-0.6															
THA	P	20 03 53.9		0.6	0.89	117			4.3	4.3									
	S	04 13		0.7															
CNZ	P	20 03 55.0		1.5	0.92	210			4.2	3.5									
GNZ	S	20 04 21		-1.3	1.50	100			4.0										
MNG	P	20 04 08.1		0.4	2.27	193			4.6	4.0									

		H	M	S	38.74S	175.02E	254 KM	SE	1.4	AVG MAG	69/18
CAZ	S	20	04	11.2	0.5	2.50	178	4.4	4.6	4.7	4.7
HEL	P	20	04	16.7	-1.0	3.07	200	4.4	4.8	4.8	4.8
GPZ	S			54	-1.4	5.91	205	4.4			
APR 01	H M S	07	54	22.5	0.05	0.05					
	H M S	07	54	22.5	0.05	0.05					
	H M S	07	54	22.5	0.05	0.05					
CNZ	IP	07	54	57.8	1.5	0.62	138	5.1	4.1	4.1	
KRP	ES	07	54	58	0.8	0.91	27				
TRZ	S	07	54	58	0.4	1.62	121	5.0	5.1	5.1	
TUA	EP	07	55	03	0.2	1.67	93	4.2	4.1	4.1	
MNG	IP	07	55	06.2	1.4	1.91	169				
GNZ	S	07	55	09.0	-1.5	2.35	99	4.5	4.5	4.5	
CAZ	EP	07	55	10	-4.9	2.36	157	4.5	4.4	4.4	
HEL	S	07	55	12.5	1.0	2.55	184	4.7	4.5	4.7	
COB	S	07	55	16.9	1.5	2.93	216	4.8	4.1	4.1	
ECZ	S	07	55	15.5	0.3	2.97	71	5.2	4.2	4.2	
KAI	S	07	56	42.5	-1.4	4.68	215	4.5			
GPZ	S	07	56	42.5	-2.0	5.27	199	5.1			
MJZ	EP	07	55	55.5	0.9	6.26	212				
ROX	ES	07	57	45	-1.1	7.95	210				
MSZ	P	07	56	13.5	0.2	7.96	220				
APR 01	H M S	12	37	37.2	0.25	0.41					
	H M S	12	37	37.2	0.25	0.41					
	H M S	12	37	37.2	0.25	0.41					
ECZ	PN	12	39	05	-2.3	5.34	197				
GNZ	SN	12	39	15	1.1	6.37	193				
KRP	E(PN)	12	39	15	3.4	6.69	216				
TUA	SN	12	40	31	4.4	6.77	203				
CNZ	PN	12	39	28	2.6	7.72	210				
MNG	SN	12	39	39	0.8	8.97	205				
HEL	SN	12	41	18	-3.1	9.81	206	5.1			
COB	SN	12	41	39	-1.0	10.51	214	5.0			
GPZ	ESV	12	42	43	0.6	12.68	207				
MJZ	SN	12	43	09	-3.1	13.82	212				
APR 02	H M S	00	16	34.7	0.03	0.03					
	H M S	00	16	34.7	0.03	0.03					
	H M S	00	16	34.7	0.03	0.03					
CNZ	P	00	16	35.0	1.2	0.39	199				
KRP	IP	00	16	37.5	1.1	0.91	352	4.2	5.1	5.1	
TRZ	S	00	16	37.5	0.2	1.13	130	4.4	4.2	4.2	
TUA	P	00	17	00	0.6	1.13	89				
MNG	IP	00	17	08.0	0.7	1.79	185	4.7	4.5	4.5	

LOCAL EARTHQUAKES

		H	M	S	29.5	-1.7	33 KM	SE	2.9	AVG MAG	69/194
GNZ	S	00	17	07.8	0.7	1.82	85	4.7	4.7	4.7	
CAZ	S	00	17	38	0.0	2.11	169	4.3	4.6	4.6	
ECZ	P	00	17	16	0.1	2.51	64	4.0	4.1	4.1	
HEL	S	00	17	15.5	-0.2	2.56	196	4.0	4.1	4.1	
COB	S	00	17	24.5	0.3	3.21	224	4.2	4.0	4.0	
GPZ	S	00	18	49	-0.3	5.38	204	4.5			
APR 04	H M S	01	11	10.8	0.16	0.25					
	H M S	01	11	10.8	0.16	0.25					
	H M S	01	11	10.8	0.16	0.25					
ECZ	EPN	01	12	40	2.5	6.09	170				
GNZ	PN	01	12	46	3.1	6.97	175				
CNZ	PN	01	13	02	-2.0	7.62	190				
MNG	PN	01	13	15	4.2	9.03	189				
CAZ	SN	01	14	58	-1.5	9.24	185				
HEL	EPN	01	13	24	-1.1	9.79	191	5.3			
COB	SN	01	13	30	-2.6	10.06	200				
APR 04	H M S	07	42	35.9	0.07	0.04					
	H M S	07	42	35.9	0.07	0.04					
	H M S	07	42	35.9	0.07	0.04					
ECZ	P	07	43	01	0.1	0.94	114	4.0	4.4	4.4	
GNZ	P	07	43	04.2	0.9	1.40	162	4.0	4.4	4.4	
TUA	EP	07	43	08	-1.7	1.51	189	4.4	4.4	4.4	
KRP	P	07	43	07.7	1.3	1.65	248				
CNZ	P	07	43	18.5	-0.0	2.41	218	4.3	4.0	4.0	
MNG	S	07	43	18.5	-1.7	3.64	204	4.4	4.2	4.2	
HEL	EP	07	43	42	1.8	4.48	207	4.4	4.3	4.3	
COB	P	07	43	53	-0.5	5.26	223	3.8	4.0	4.0	
CIZ	S	07	46	00	-0.7	8.04	147				
APR 08	H M S	06	49	46.6	0.11	0.03					
	H M S	06	49	46.6	0.11	0.03					
	H M S	06	49	46.6	0.11	0.03					
KRP	PN	06	50	06.5	0.6	0.95	243				
GNZ	PN	06	50	13.5	-0.3	1.60	136	3.9	3.2	3.2	
	SG	06	50	41	-0.6						
	SG	06	50	41	0.3						
	FELT LAKE OKATAINA (33) MM IV										
APR 08	H M S	09	45	41.5	0.05	0.03					
	H M S	09	45	41.5	0.05	0.03					
	H M S	09	45	41.5	0.05	0.03					
MNZ	ES	09	45	01	-1.1	0.60	201				
KRP	PN	09	45	38.5	1.1	0.58	282				
TUA	ES	09	45	38.5	3.3						
	PN	09	45	59.5	-1.4	0.96	141	4.1			
	ES	09	45	14	0.1						

STATION	PG	EP	SP	SS	MS	W-A	H P	W S
CNZ	09 46 09	1,1	1,30	210				
GNZ	09 46 08	1,2	1,42	114			3,7	
	10	-0,2					4,8	
	33	3,7						
TRZ	09 46 11	-1,4	1,52	167			4,1	
	36	3,1						
ECZ	09 46 10	-2,6	1,76	78			4,2	
	16	-1,1						
MNG	09 46 28	0,2	2,64	195				
	34	-0,9						
COB	09 46 49	-4,2	4,13	222			3,4	
	47 04	-0,9						
FELT LAKE OKATAINA (33) MM IV								
APR 08	09 59 05,7	38,055	176,43E	12 KM	SE 2,0	AVG MAG	69/201	3,7
	1,2	0,09	0,04					
	H M S	DIR	RES	DIST	AZ	W-A	H P	W S
KRP	09 59 20	-0,6	0,73	280				
	32	1,4						
TJA	09 59 24	-0,7	0,93	144			3,9	
	37	-0,4						
CNZ	09 59 35	2,0	1,35	211			3,5	
GNZ	09 59 31	-2,5	1,37	116			4,5	
	55	3,0						
TRZ	09 59 37	0,4	1,53	169			3,8	
MNG	09 59 52	-0,4	2,67	195			3,5	
COB	10 00 16	-2,2	4,17	222			3,4	
FELT LAKE OKATAINA (33) MM IV								
APR 08	14 34 20,5	38,065	176,41E	12 KM	SE 2,6	AVG MAG	69/202	4,9
	1,1	0,06	0,04					
	H M S	DIR	RES	DIST	AZ	W-A	H P	W S
MNZ	14 34 41	-0,6	0,62	203				
KRP	14 34 35,5	0,6	0,70	281				
	46,5	2,0						
TUA	14 34 39	-0,7	0,94	142			4,2	
	53	0,5						
CNZ	14 34 46	-1,3	1,32	211			4,0	
GNZ	14 34 49	0,2	1,39	115			5,0	
	35 09,5	1,9						
TRZ	14 34 49,5	-1,9	1,52	168			4,4	
	35 14	2,0						
ECZ	14 34 54	-1,6	1,73	78			4,5	
MNG	14 35 10	-4,2	2,65	195			3,9	
WEL	14 35 25	4,2	3,46	201			3,9	
	33	2,5						
COB	14 35 27,5	-3,1	4,15	222			3,7	
	46	1,6						
FELT LAKE OKATAINA (33)								
APR 10	06 16 42,5	38,935	179,07E	230 KM	SE 1,8	AVG MAG	69/203	3,7
	1,2	0,07	0,07					
	H M S	DIR	RES	DIST	AZ	W-A	H P	W S
CNZ	06 17 14,3	1,2	0,46	127				
	38	1,3						
KRP	06 17 16,0	0,0	1,06	20				
	40	-2,0						
TRZ	06 17 20,8	1,7	1,49	115			4,4	
	48	0,5						
TUA	06 17 20,5	0,3	1,63	96			4,3	
	47,5	-1,9						
MNG	06 17 23,4	2,3	1,72	170			4,1	
	51,1	0,5						
GNZ	06 17 27,0	0,2	2,32	84			4,4	
	58	-3,1						

LOCAL EARTHQUAKES

STATION	PG	EP	SP	SS	MS	W-A	H P	W S
WEL	06 17 29,2	1,9	2,37	186			3,7	4,0 3,9
	18 03	1,0						
COB	06 17 33,0	0,9	2,81	219			4,4	3,9
	15 10,5	-0,1						
ECZ	06 17 35	0,8	3,00	67			4,5	4,9
GPZ	06 19 57	-2,6	5,10	200				
MJZ	06 19 20	-2,7	6,13	213				
APR 10	20 06 21,9	43,255	171,93E	12 KM	SE 1,5	AVG MAG	69/201	3,7
	0,5	0,03	0,02					
	H M S	DIR	RES	DIST	AZ	W-A	H P	W S
GPZ	20 06 35,5	-0,4	0,68	131				
	44	-0,1						
	45,5	0,3						
KAI	20 06 47	1,9	0,82	332			3,0	
MJZ	20 06 48,5	0,4	1,29	235			3,9	3,6
	07 07	1,4						
WEL	20 07 22	1,7	2,88	48			3,4	3,7 3,6
	39	-1,9						
ROX	20 07 59	-0,8	2,90	219				3,6
MSZ	20 07 24,5	-2,6	3,22	243			4,2	3,6
	08 10	-0,6						
MNG	20 07 28	1,0	3,74	46			3,5	
	08 01	-0,2						
APR 10	23 52 11,9	38,315	176,06E	190 KM	SE 1,9	AVG MAG	69/202	4,9
	1,1	0,06	0,06					
	H M S	DIR	RES	DIST	AZ	W-A	H P	W S
KRP	23 52 39,0	0,8	0,97	313				
	57	-1,6						
CNZ	23 52 42,6	2,1	0,97	204			4,8	4,4
TUA	23 52 41,3	0,6	0,99	120			4,9	4,9
	00	-2,9						
TRZ	23 52 45,8	2,0	1,37	159			5,6	5,1
	12	3,5						
GNZ	23 52 45,9	0,2	1,58	103			4,6	5,0
	09	-2,8						
ECZ	23 52 50	-0,7	2,06	73			4,8	4,9
	20	-0,5						
MNG	23 52 55,6	1,8	2,34	191				
	25	-1,1						
CAZ	23 52 56	-0,8	2,59	177			5,3	5,3
	33	1,6						
WEL	23 53 04,5	1,4	3,13	198			4,9	4,7 4,8
	43	0,3						
COB	23 53 11,7	0,6	3,77	222			4,1	5,0
	58	1,1						
KAI	23 54 45	-2,3	5,50	219			4,8	
GPZ	23 53 54	0,3	5,96	205			5,2	
MJZ	55 11	-2,1	7,06	215				
MSZ	23 54 18	1,4	8,81	221				
	55 51	-3,0						
APR 11	20 20 08,2	41,935	171,84E	12 KM	SE 1,3	AVG MAG	69/203	3,7
	0,4	0,03	0,03					
	H M S	DIR	RES	DIST	AZ	W-A	H P	W S
KAI	20 20 23	-0,9	0,77	205			3,9	
	33	-1,4						
COB	20 20 26,1	-0,2	1,00	43			4,1	4,4
	39,3	-0,3						
GPZ	20 20 43	0,2	1,96	163			3,6	
	45	2,2						
ESV	21 02,5	-1,9						

	S*	05		-3.8*																
WEL	P*	20 20 47		-3.9	2.26	77	3.4	3.7												
	SV	21 18		0.2																
MJZ	PN	20 20 46.5		0.2	2.39	205		3.5												
	PG	57		0.5																
	SN	21 17		2.3																
	S*	23		1.4																
MNG	PN	20 20 54		-0.8	3.00	67		4.0												
	SV	21 01		0.4																
	S*	40		0.1																
MSZ	PN	20 21 06		-2.8	4.04	224		3.6												
	SV	55		0.2																
KRP	PN	20 21 19.5		0.2	4.82	37														
	SV	22 15		1.3																
MNW	ESV	20 22 18		0.1	5.00	216														
FELT	WESTPORT (79) MM	IV																		

APR 12	H	M	S	32.38S	179.24E	12 KM	SE	1.6	AVG MAG	69/207
	20	47	31.2	0.04	0.08					
ECZ	PG	20 48 10.9	U	1.4	0.90	320				
	ESV	21		-0.6						
GNZ	PG	20 48 14.3	D	2.4	1.02	255		4.1		
	SG	25.5		0.7						
TJA	ES*	20 48 43		-1.6	1.72	255				
KRP	P*	20 48 42		-1.3	2.98	278				
MNG	EPV	20 46 45.5		-1.6	3.59	232		2.8		
	ESV	49 30		0.6						
GPZ	ESV	20 50 56		0.0	7.30	221		4.4		
FELT	TOKOHARU BAY (37) MM	IV								

APR 13	H	M	S	37.73S	176.28E	237 KM	SE	1.3	AVG MAG	69/207
	15	43	50.1	0.03	0.04					
KRP	P	15 44 22.6	U	0.5	0.62	251				
	S	46		-1.0						
TJA	IP	15 44 26.2	U	0.3	1.28	148		5.1		
	S	52		-1.5						
AUC	P	15 44 27.5	D	0.1	1.48	306				
GNZ	P	15 44 29.5		1.3	1.98	201		4.3		
	S	58		0.5						
GNZ	IP	15 44 29.0	DNH	0.2	1.65	124		5.4		
	S	56.5		-2.1						
ECZ	P	15 44 29.8		-0.2	1.80	90		5.2		
	S	45 00		-0.9						
TRZ	IP	15 44 31.8	D	1.1	1.87	167		5.8		
	S	45 04		2.0						
ONE	P	15 44 37		0.3	2.48	321				
MNG	IP	15 44 42.3	D	0.5	2.95	192		5.0		
	S	45 22		0.1						
CAZ	P	15 45 28		1.8	3.17	181				
WEL	P	15 44 50.9	U	0.1	3.74	193		5.0	4.6	
	S	45 39		1.1						
KAI	S	15 46 28		-1.3	6.07	216		4.7		
GPZ	EP	15 45 26		0.2	6.57	204		5.3		
	S	45 38		-2.6						
MJZ	EP	15 45 40		0.4	7.64	213				
	S	47 04		-1.3						
CIZ	S	15 47 35		15.9*	8.25	141				

APR 14	H	M	S	37.07S	175.15E	12 KM	SE	1.3	AVG MAG	69/207
	07	44	52.0	0.02	0.04					
AUC	IP	07 44 59	D	-0.7	0.37	305				
GBZ	PG	07 43 10		-0.1	0.89	17		3.9		

LOCAL EARTHQUAKES

	S*	23		0.8																
KRP	PG	07 43 09.8		-0.7	0.91	160														
	S*	22		1.0																
	SG	24		1.2																
ONE	EPV	07 43 17		-0.7	1.44	333		2.9												
	EPV	22		0.8																
	S*	17		0.1																
GNZ	P*	07 43 29		-0.9	2.15	172		3.5	3.4											
	PG	34.5		-1.1																
	S*	59		0.7																
	EPV	45 14		-2.9	3.95	176		3.3	2.6											
MNG	EPV	07 45 51		-4.9*																
	PG	59		-0.9																
	ESV	45 51		1.6	4.43	204		3.4	3.2											
COB	PN	07 43 59.5		1.8																
	SV	45 50		1.8																
FELT	AUCKLAND (16) MM	IV																		

APR 15	H	M	S	41.05S	174.20E	33 KM	SE	1.4	AVG MAG	69/207
	10	08	18.6	0.02	0.02					
WEL	IP*	10 08 28.9	USE	0.8	0.43	123		4.2		
	S*	36.5		1.6						
MNG	IPN	10 08 35.3		-0.3	1.00	65				
	P*	39		1.7						
	SV	48.5		0.3						
	S*	50		-1.1						
COB	P*	10 08 40.2		0.0	1.17	268				
	SV	57		0.9						
	ESV	10 09 00		0.3	1.48	85		4.3	4.3	
CAZ	PN	10 08 51.0	U	0.6	1.86	2		4.4	4.3	
TNZ	SV	09 16		1.9	2.08	28		4.8	4.6	
GNZ	PN	10 08 09.16		1.7	2.61	235		3.7		
KAI	SV	10 09 29		-0.8	2.91	204		4.1		
GPZ	EPV	10 09 01		32						
	SV	39		-2.7						
TJA	PN	10 09 39		-1.2	3.14	45			4.4	
KRP	SV	10 09 06.8		0.2	3.27	18				
	SV	44		0.7						
	ESV	56.5		-2.1						
GNZ	EPV	10 09 13.5		0.3	3.75	51		3.8	4.3	
	ISV	53		-2.0						
MJZ	PN	10 09 17		-0.7	4.07	223		3.7	3.5	
	SV	10 02		-1.0						
MSZ	EP*	10 10 03		1.9	5.92	230		3.9	3.9	
	SV	46		-1.5						
MNW	ESV	10 11 09		1.0	6.78	224				
CIZ	SV	10 11 17.5		-4.4*	7.36	116				
FELT	PARTS OF WELLINGTON AND MARLBOROUGH PROVINCES	MM	IV							

APR 17	H	M	S	45.15S	157.86E	143 KM	SE	1.6	AVG MAG	69/209
	02	22	59.9	0.06	0.06					
MSZ	IP	02 23 18.0	U	-1.7	0.48	5				
MNW	IP	02 23 19.1	D	-2.4	0.66	195				
RDX	IP	02 23 26.0	U	1.0	1.08	108		5.1	5.3	
	IP	45		0.8						
WPZ	IP	02 23 31.6	D	0.5	1.67	156		5.1	5.6	
	S	55.5		0.5						
MJZ	IP	02 23 39.0	DS	0.7	2.19	52		4.7	5.3	
	ISV	24 06.5		0.5						
KAI	EP	02 23 58		1.5	3.67	46		5.5		
	S	24 41		1.2						

		I	21						
		S	25 21.5	3.5					
KEL	EP*		02 24 31	-1.2	6.35	55	3.3		
		S	33.9						
		S	25 42	-1.9					
MNG	P		02 24 41.5	-2.1	7.20	54			
		S	43.5						
		S	25 03	-1.3					
CAZ	S		02 25 10	-0.4	7.45	38			
CNZ	P		02 24 56	-1.5	8.24	47			
		S	25 31	1.7					
KRP	P		02 25 10	-0.6	9.23	41			
GNZ	P		02 25 21	3.5	9.98	53			
		S	27 10	-0.6					
ONE	S		02 23 31	2.5	10.58	30	3.4		
		S	27 22	-3.1					
CRZ	P		02 25 41	2.8	11.32	21			
		S	27 44	1.6					
FELT SOUTHLAND, MAXIMUM INTENSITY MM IV									
APR 17	H M S		39.30S 177.40E	12 KM	SE	0.8	AVG MAG	69/212	
			3.02 0.02					3.1	
			4 4 S DIR	RES	DIST	AZ	H-A	W P W S	
GNZ	IP*		20 13 15.5	0.8	0.82	37		4.3 4.6	
		S	25	2.6					
CNZ	EP*		20 13 29	0.2	1.44	273		4.0 3.8	
		S	32.5						
CAZ	S*		20 13 57	0.5	1.84	209		4.1	
MNG	P*		20 13 34.3	-0.2	1.98	228		3.6 3.8	
		S*	14 00	-0.7					
KRP	PG		20 13 40	-0.2	2.00	313			
KEL	P*		20 13 49	-0.1	2.83	225	3.7	3.6 3.7	
		S*	14 20	2.7*					
GPZ	SV		20 13 24	-1.3	5.66	218	4.0		
CIZ	SV		20 13 45	3.0	6.49	138			
MJZ	SV		20 15 58	1.0	6.99	226			
MSZ	SV		20 15 42.5	0.9	8.57	230			
FELT HAIRDA (33) MM IV									
APR 18	H M S		45.05S 167.66E	12 KM	SE	1.2	AVG MAG	69/212	
			0.02 0.04					4.1	
			4 4 S DIR	RES	DIST	AZ	H-A	W P W S	
MSZ	IP*		07 13 00.3	0.6	0.42	26			
		S*	06.5	0.9					
MNW	IP*		07 13 04.8	-0.9	0.73	182			
		S*	15	-3.7					
RDX	PG		07 18 15.8	0.6	1.25	110		4.4 4.5	
		S*	34	0.9					
WPZ	P*		07 18 23.8	3.9	1.81	153		4.9 5.0	
		S*	47.5	0.5					
MJZ	EP*		07 18 30	-0.8	2.27	63		3.7 3.7	
		S*	19 05.5	-2.1					
KAI					3.71	48	3.8		
GPZ					3.82	71	4.0		
COB					5.43	45		4.0 3.8	
APR 18	H M S		32.41S 179.50E	417 KM	SE	1.8	AVG MAG	69/212	
			0.17 0.38					3.1	
			4 4 S DIR	RES	DIST	AZ	H-A	W P W S	
GNZ	P		12 11 56	0.3	6.33	191			
		S	13 12	-0.5					
KRP	P		12 11 37.5	1.2	6.38	209			
TJA	ES		12 12 00	0.6	6.66	196			
		ES	13 21	1.9					
MNG	P		12 12 20.5	-3.0	5.80	200			

		I	13 53						
		S	14 03	0.5					
KEL	P		12 12 32	-1.0	9.63	202	5.1		
		S	14 19	-0.6					
COB	P		12 12 33	-1.7	10.21	210			
		S	14 31	-0.8					
GPZ	P		12 13 19	0.3	12.48	204			
MSZ	(P)		12 13 37	2.9	15.21	213			
APR 18	H M S		41.85S 173.85E	12 KM	SE	2.4	AVG MAG	69/212	
			0.04 0.04					4.2	
			4 4 S DIR	RES	DIST	AZ	H-A	W P W S	
KEL	IP*		19 17 20.5	0.5	0.88	52		4.3 4.6 4.8	
		S*	23						
		S*	32	0.1					
COB	PG		19 17 26.3	1.5	1.12	311		4.8 4.2	
		S*	41.5	1.6					
MNG	IP*		19 17 33.6	0.9	1.73	46		4.5 4.3	
		S*	56.3	0.9					
KAI	EP*		19 17 43	1.5	1.94	248		3.7	
		S*	19 10	2.3					
GPZ	EP*		19 17 41	2.4	2.07	205		3.4	
		S*	44	0.0					
		S*	13 08	2.1					
		S*			2.67	9		4.1 4.1	
TNZ	IP*		19 17 55	1.7	2.93	27		4.8 4.8	
		S*	15 39	-1.8					
MJZ	EP*		19 18 00	0.5	3.29	228		3.6 3.3	
		S*	39	-3.7					
		S*	52	-1.1					
KRP	P*		19 18 16.5	3.0	4.11	19			
		S*	19 07	-0.2					
		S*	16	-4.6					
MSZ	P*		19 18 27	-4.9	5.18	235		3.7 3.8	
		PG	44	-2.9					
		S*	19 29	-10.3*					
FELT BLENHEIM (83) MM IV AND SEDDON (84)									
APR 20	H M S		45.33S 156.61E	12 KM	SE	1.4	AVG MAG	69/213	
			0.04 0.05					4.8	
			4 4 S DIR	RES	DIST	AZ	H-A	W P W S	
MNW	IP*		03 50 01.8	0.5	1.03	43			
		S*	15.5	-0.7					
WPZ	EP*		03 50 10	-0.6	1.55	95		4.6 4.9	
		IP*	11.6	0.4					
		EP*	15	-0.0					
		SV	30.5	0.0					
		S*	32	0.2					
MSZ	IP*		03 50 16.0	-1.6	2.08	27		4.7 4.8	
		S*	19	-1.3					
		S*	27	1.3					
		S*	46.5	-1.2					
RDX	EP*		03 50 13.5	-0.3	2.16	62		4.9 5.2	
		IP*	20.5	-1.0					
		S*	49	-1.4					
GPZ	P*		03 51 15	2.5	5.13	59		4.9	
		S*	52 19	-0.4					
		ES*	36	-0.4					
KAI	EP*		03 51 11	-4.0*	5.27	42		4.2	
		SV	52 03	2.9					
COB	EP*		03 51 24	-0.2	7.02	41			
		SV	52 44	2.4					

APR 21		H	M	S	41.98S	171.96E	12 KM	SE	1.5	AVG MAG	69/ 1		
		00	41	09.6	0.03	0.03	?	RES	DIST	AZ	M=A	W P	W S
				0.6			DIR	RES	DIST	AZ	M=A	W P	W S
KAI	PG	00	41	26			DIR	RES	0.9	0.76	212	3.6	
	SG			36					1.5				
COB	PG	00	41	29					-0.7	0.99	37	3.8	
	SG			42					-1.1				
GPZ	PG	00	41	49					1.3	1.98	165	2.9	
	SG			42	11.5				-1.6				
HEL	PG	00	42	17					-0.2	2.19	75	3.0	
	SG			21.5					-2.1				
MNG	PG	00	42	01					-0.1	2.94	56	3.5	
	SG			42					2.2				
	SG			51					2.1				
MSZ	PG	00	42	09					-1.4	4.06	223	2.9	
	SV			57					0.3				
APR 21		H	M	S	41.98S	171.94E	12 KM	SE	1.2	AVG MAG	69/ 1		
		00	42	41.4	0.03	0.03	?	RES	DIST	AZ	M=A	W P	W S
				0.4			DIR	RES	DIST	AZ	M=A	W P	W S
KAI	PG	00	42	57			DIR	RES	0.2	0.76	211	4.0	
	SG			43	06.5				-3.6				
COB	PG	00	42	59.6					-1.9	0.99	37	4.0	
	SG			43	13.5				-1.4				
GPZ	PG	00	43	13					0.2	1.69	164	3.2	
	SG			20					0.4				
	SG			40					0.2				
HEL	PG	00	43	21.5					1.3	2.20	75	3.4	3.9
	SG			47.5					-1.7				
	SG			52					-3.7*				
MNG	EP	00	43	34					1.0	2.95	66	4.0	3.1
	SG			44	12				0.2				
MSZ	EP	00	43	43.3					1.4	4.05	223	3.4	3.1
	SV			44	28				-0.9				
	SG			57					-1.6				
RDX	SV	00	44	27					1.5	4.07	207		3.1
KRP	EP	00	43	54					1.5	4.82	36		
	SV			44	48				1.1				
MNH	SV	00	44	52					0.9	5.00	217		3.0
FELT WESTPORT (79) MM IV													
APR 22		H	M	S	34.238	179.24E	258 KM	SE	1.8	AVG MAG	69/ 1		
		06	15	31.4	0.07	0.08	14	RES	DIST	AZ	M=A	W P	W S
				1.4			DIR	RES	DIST	AZ	M=A	W P	W S
GGZ	P	06	15	53			DIR	RES	0.9	3.66	236		
OME	P	06	15	59.5					0.1	4.29	249	4.1	
	S			17	54				1.7				
GNZ	P	06	17	00.5					-1.5	4.51	192	4.9	5.1
	S			36					-1.1				
KRP	P	06	17	07.5					2.6	4.75	218		
	S			18	08				5.7*				
CRZ	P	06	17	14					0.8	5.43	266	4.1	
CNZ	P	06	17	18					0.5	5.78	210	4.2	4.3
	ES			13	25				0.2				
MNG	P	06	17	32					-1.3	7.04	204		
	S			13	51.5				-1.6				
HEL	P	06	17	41.7					-2.2	7.68	205	5.3	
	S			19	10				-2.1				
COB	P	06	17	50.5					-2.1	6.57	215		
	S			19	27.5				-3.2				
CIZ	S	06	20	09					3.4	10.24	163		
KAI	ES	06	20	09					1.8	10.31	214	4.9	
GPZ	S	06	20	19					1.8	10.75	207	5.4	
MSZ	EP	06	18	54					-1.3	13.59	217		

LOCAL EARTHQUAKES

APR 24		H	M	S	44.15S	168.51E	12 KM	SE	1.8	AVG MAG	69/ 217		
		09	01	49.0	0.03	0.03	?	RES	DIST	AZ	M=A	W P	W S
				0.6			DIR	RES	DIST	AZ	M=A	W P	W S
MSZ	PG	09	02	02.0			DIR	RES	-1.7	0.72	224		4.3
	SG			12					-1.4				
MJZ	PG	09	02	12					-1.1	1.35	84	3.5	3.4
	SG			16					-0.3				
	SG			30					-1.1				
	SG			37					2.5				
RDX	PG	09	02	13.4					-3.9	1.41	159	3.8	4.3
	SG			32.3					-0.8				
	SG			34.5					-2.3				
MNF	PG	09	02	21					0.6	1.77	203	3.8	3.5
	SG			47					3.1				
	SG			51					2.2				
KAI	PG	09	03	09					-0.1	2.61	52	3.3	
GPZ	EP	09	03	29					0.6	2.95	82	3.5	
COB	EP	09	02	53					-0.3	4.32	46		3.7
	SV			03	40				-2.3				
	SV			03	20				1.6	6.19	58		
MNG	EP	09	03	20					1.7				
	SV			04	29								
APR 24		H	M	S	38.98S	175.23E	159 KM	SE	1.8	AVG MAG	69/ 219		
		13	21	54.0	0.05	0.05	10	RES	DIST	AZ	M=A	W P	W S
				1.1			DIR	RES	DIST	AZ	M=A	W P	W S
CNZ	IP	13	22	16.9			DIR	RES	1.0	0.33	132		
	S			32.5					-0.2				
										0.69	252		3.9
TNZ	P	13	22	21					0.6	1.08	13		
KRP	P	13	22	21					-1.8				
	IS			39					1.6	1.36	115	5.2	4.9
TRZ	IP	13	22	24.8					1.0				
	S			46.5					2.0	1.65	173	4.4	4.4
MNG	IP	13	22	28.1					2.0				
	S			49.5					0.2				
	S			51					0.5	2.21	82	4.7	4.2
GNZ	P	13	22	33.0					-3.1				
	S			59					1.3	2.33	189	3.6	4.0
HEL	IP	13	22	35.3					-0.7				
	S			23	34				0.7	2.85	221	3.9	4.0
COB	P	13	22	41.2					0.9				
	S			23	17				-2.2				
	S			13	24	06			-2.2	5.10	202	4.4	
GPZ	S	13	23	25					1.4	6.15	214		
MJZ	EP	13	23	25					-3.3				
	S			24	30				-4.7*				
MSZ	S	13	23	10						7.98	221		
APR 25		H	M	S	40.39S	176.03E	12 KM	SE	0.7	AVG MAG	69/ 219		
		18	10	44.3	0.02	0.02	?	RES	DIST	AZ	M=A	W P	W S
				0.3			DIR	RES	DIST	AZ	M=A	W P	W S
MNG	IP	18	10	54.3			DIR	RES	-0.3	0.51	244	3.4	3.4
	SG			11	02				0.2				
TRZ	EP	18	11	02.5					-0.2	1.01	34	4.1	4.4
	SG			19.5					0.8				
CNZ	PG	18	11	07					-0.1	1.26	341	3.3	3.2
	SG			09					-3.9				
	SG			27					0.0				
HEL	PG	18	11	07.6					-0.6	1.34	228	2.6	3.5
	SG			27					0.9				
	SG			29					-0.5				
COB	PG	18	11	30					-0.5	2.64	254	3.1	3.2
	SG			12	06				0.9				

MAY 02		H	M	S	45,81S 166,60E		12 KM	SR	2,0	AVG MAG	69/ 22
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
MAY 02	03 15 32,2	03	15	32,2	0,13	0,13	3	0,71	88	3,8	4,1
	+ 3,1										
MNW	IP	03	15	44,1	U	-1,4	1,48	40	3,3	3,6	3,8
	ES			57		1,7	1,94	81	3,6	3,8	4,1
MSZ	EP	03	16	09,5		-0,9	1,48	40	3,3	3,6	3,8
ROX	ES			31,5		-0,6	1,94	81	3,6	3,8	4,1
MJZ	EP	03	16	32		2,3	3,30	58	3,4	3,8	4,1
	ES			17 12		-1,0					
MAY 02		H <td>M <td>S <td colspan="2">48,94S 164,33E</td> <td>33 KM</td> <td>SE</td> <td>0,1</td> <td>AVG MAG</td> <td>69/ 22</td> </td></td>	M <td>S <td colspan="2">48,94S 164,33E</td> <td>33 KM</td> <td>SE</td> <td>0,1</td> <td>AVG MAG</td> <td>69/ 22</td> </td>	S <td colspan="2">48,94S 164,33E</td> <td>33 KM</td> <td>SE</td> <td>0,1</td> <td>AVG MAG</td> <td>69/ 22</td>	48,94S 164,33E		33 KM	SE	0,1	AVG MAG	69/ 22
		H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
MAY 02	08 53 10,6	08	53	10,6	0,01	0,01	9	0,71	88	3,8	4,1
	+ 0,2										
WPZ	EP	08	54	06		-0,1	3,81	59	3,9	4,1	4,3
	ES			48,5		-0,0					
MNW	EP	08	54	07		0,1	3,87	37	4,3	4,1	4,3
	ES			50		-0,1					
ROX	EP	08	55	14		0,1	4,36	46	4,1	4,1	4,3
MSZ	EP						4,93	31	3,9	3,8	4,1
MJZ	EP	08	54	54			6,52	43			
	ES			55 54		0,1					
MAY 03		H <td>M <td>S <td colspan="2">37,50S 177,30E</td> <td>167 KM</td> <td>SE</td> <td>1,6</td> <td>AVG MAG</td> <td>69/ 22</td> </td></td>	M <td>S <td colspan="2">37,50S 177,30E</td> <td>167 KM</td> <td>SE</td> <td>1,6</td> <td>AVG MAG</td> <td>69/ 22</td> </td>	S <td colspan="2">37,50S 177,30E</td> <td>167 KM</td> <td>SE</td> <td>1,6</td> <td>AVG MAG</td> <td>69/ 22</td>	37,50S 177,30E		167 KM	SE	1,6	AVG MAG	69/ 22
		H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
MAY 03	04 17 20,9	04	17	20,9	0,06	0,06	10	1,01	102	4,7	4,8
	+ 1,3										
ECZ	EP	04	17	46		-1,5	1,01	102	4,7	4,8	5,1
	ES			18 12,5							
GNZ	EP	04	17	49,7	D	-0,2	1,28	194	4,1	4,2	4,4
	ES			19 11		-1,3					
TUA	EP	04	17	53		2,8	1,31	189	4,3	4,1	4,3
	ES			18 15		2,2					
KRP	EP	04	17	51		-0,7	1,46	252	3,4	3,7	4,0
	ES			18 14		-1,3					
GBZ	EP	04	17	57,5		0,8	1,94	311	3,1	3,4	3,7
CNZ	EP	04	18	01,0		1,4	2,19	218	3,9	4,1	4,4
MNG	EP	04	18	14,1		-0,9	3,42	204	3,8	3,7	4,0
	ES			56		-0,5					
CAZ	EP	04	18	16		0,0	3,50	193	4,8	4,8	5,1
WEL	EP	04	19	15		-0,8	4,26	207	4,3	4,3	4,6
	ES										
MAY 03		H <td>M <td>S <td colspan="2">33,54S 178,92W</td> <td>488 KM</td> <td>SE</td> <td>1,4</td> <td>AVG MAG</td> <td>69/ 22</td> </td></td>	M <td>S <td colspan="2">33,54S 178,92W</td> <td>488 KM</td> <td>SE</td> <td>1,4</td> <td>AVG MAG</td> <td>69/ 22</td> </td>	S <td colspan="2">33,54S 178,92W</td> <td>488 KM</td> <td>SE</td> <td>1,4</td> <td>AVG MAG</td> <td>69/ 22</td>	33,54S 178,92W		488 KM	SE	1,4	AVG MAG	69/ 22
		H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
MAY 03	08 11 28,1	08	11	28,1	0,13	0,19	19	5,32	238	3,5	3,8
	+ 2,0										
GBZ	ES	08	14	10		0,3	5,32	238	3,5	3,8	4,1
GNZ	EP	08	13	02,7		1,2	5,66	205	4,3	4,3	4,6
	ES			14 15		-0,4					
TUA	EP	08	13	29,5			6,14	210			
	ES			14 24		0,1					
KRP	EP	08	13	06		-1,5	6,28	224			
MNG	EP	08	13	29,5		0,3	8,36	211			
	ES			15 04		-1,3					
WEL	EP	08	15	23		1,2	9,21	211			
	ES										
MAY 03		H <td>M <td>S <td colspan="2">38,39S 175,92E</td> <td>181 KM</td> <td>SE</td> <td>1,1</td> <td>AVG MAG</td> <td>67/ 22</td> </td></td>	M <td>S <td colspan="2">38,39S 175,92E</td> <td>181 KM</td> <td>SE</td> <td>1,1</td> <td>AVG MAG</td> <td>67/ 22</td> </td>	S <td colspan="2">38,39S 175,92E</td> <td>181 KM</td> <td>SE</td> <td>1,1</td> <td>AVG MAG</td> <td>67/ 22</td>	38,39S 175,92E		181 KM	SE	1,1	AVG MAG	67/ 22
		H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
MAY 03	10 41 33,4	10	41	33,4	0,04	0,04	10	0,56	327	3,7	3,3
	+ 0,9										
KRP	EP	10	41	58		-0,7	0,56	327	3,7	3,3	3,6
	ES			42 17							
CNZ	EP	10	42	01,4	U	1,0	0,86	200	4,3	4,3	4,6
TUA	EP	10	42	02		0,3	1,05	114	4,4	4,4	4,7
	ES			18							

MAY 02 <th>H</th> <th>M</th> <th>S</th> <th colspan="2">24</th> <th>0,3</th> <th colspan="2"></th> <th>AVG MAG</th> <th>69/ 230</th>		H	M	S	24		0,3			AVG MAG	69/ 230
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
MAY 02	10 42 06	10	42	06		0,9	1,44	236		3,6	3,3
	39										
GNZ	EP	10	42	07,5		0,1	1,67	99		3,8	4,2
	ES			27							
ECZ	EP	10	42	13,7		-1,6	2,19	72		4,8	4,3
	ES			44		0,5					
GBZ	EP	10	42	12,1		-1,0	2,20	351		3,2	3,5
MNG	EP	10	42	13,9	U	0,2	2,25	189		4,5	4,5
	ES			43,5		-1,2					
CAZ	EP	10	42	52		1,6	2,52	175		4,3	4,5
WEL	EP	10	42	21,8		-1,1	3,02	197		4,3	3,7
	ES			58		-3,1					
MAY 04		H <td>M <td>S <td colspan="2">45,13S 167,87E</td> <td>12 KM</td> <td>SE</td> <td>1,4</td> <td>AVG MAG</td> <td>69/ 230</td> </td></td>	M <td>S <td colspan="2">45,13S 167,87E</td> <td>12 KM</td> <td>SE</td> <td>1,4</td> <td>AVG MAG</td> <td>69/ 230</td> </td>	S <td colspan="2">45,13S 167,87E</td> <td>12 KM</td> <td>SE</td> <td>1,4</td> <td>AVG MAG</td> <td>69/ 230</td>	45,13S 167,87E		12 KM	SE	1,4	AVG MAG	69/ 230
		H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
MAY 04	04 46 16,3	04	46	16,3	0,03	0,04	9	0,76	88	3,9	4,1
	+ 0,6										
MSZ	EP	04	46	27,1	U	1,8	0,46	4			
	ES			38							
MNW	EP	04	46	28,1	D	-0,8	0,67	199		4,3	4,1
	ES			39		0,8					
ROX	EP	04	46	37,1	D	1,2	1,08	109		4,3	4,1
	ES			54		1,1					
WPZ	EP	04	47	05		-1,0	1,68	156			4,1
MJZ	EP	04	46	50		-1,6	2,18	59		3,4	3,5
	ES			47 02		1,6					
	ES			18		0,2					
GPZ	EP	04	47	53		-2,0	3,71	69	4,0		
COB	EP	04	47	34		-0,9	5,38	43		3,8	3,9
	ES			48 35		-0,3					
MAY 04		H <td>M <td>S <td colspan="2">38,58S 175,87E</td> <td>167 KM</td> <td>SE</td> <td>1,4</td> <td>AVG MAG</td> <td>72/ 231</td> </td></td>	M <td>S <td colspan="2">38,58S 175,87E</td> <td>167 KM</td> <td>SE</td> <td>1,4</td> <td>AVG MAG</td> <td>72/ 231</td> </td>	S <td colspan="2">38,58S 175,87E</td> <td>167 KM</td> <td>SE</td> <td>1,4</td> <td>AVG MAG</td> <td>72/ 231</td>	38,58S 175,87E		167 KM	SE	1,4	AVG MAG	72/ 231
		H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
MAY 04	04 56 37,9	04	56	37,9	0,03	0,05	8	0,76	88	3,9	4,1
	+ 1,1										
CNZ	EP	04	57	23,8	U	1,5	0,67	202		3,5	3,5
	ES			42		1,0					
KRP	EP	04	57	22,1	DSE	-0,3	0,70	338		4,3	3,1
	ES			40		-1,3					
TUA	EP	04	57	29,7		1,0	1,03	103		4,3	4,2
	ES			49,3		0,2					
TVZ	EP	04	57	29		1,7	1,31	242		3,7	3,3
	ES			54,5							
GNZ	EP	04	57	31,3		0,3	1,69	93		3,8	4,1
	ES			55		-1,5					
MNG	EP	04	57	36,8		1,7	2,06	188		4,6	4,4
	ES			58 02		-1,8					
ECZ	EP	04	58	02,5			2,29	68			4,2
WEL	EP	04	57	44		-0,6	2,84	197	3,9	4,2	3,8
	ES			58 21		0,6					
COB	EP	04	57	51		-1,7	3,48	223			
	ES			58 34		-0,9					
MAY 05		H <td>M <td>S <td colspan="2">38,73S 175,52E</td> <td>119 KM</td> <td>SE</td> <td>1,7</td> <td>AVG MAG</td> <td>69/ 232</td> </td></td>	M <td>S <td colspan="2">38,73S 175,52E</td> <td>119 KM</td> <td>SE</td> <td>1,7</td> <td>AVG MAG</td> <td>69/ 232</td> </td>	S <td colspan="2">38,73S 175,52E</td> <td>119 KM</td> <td>SE</td> <td>1,7</td> <td>AVG MAG</td> <td>69/ 232</td>	38,73S 175,52E		119 KM	SE	1,7	AVG MAG	69/ 232
		H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
MAY 05	03 19 36,5	03	19	36,5	0,04	0,05	13	0,81	1	2,7	3,2
	+ 1,2										
KRP	EP	03	20	15		-1,9	0,81	1		2,7	3,2
	ES			33,4		0,9					
TUA	EP	03	20	22		0,2	1,28	94		4,2	4,0
	ES			41,5		0,4					
MNG	EP	03	20	28,9	D	0,0	1,89	181		4,0	4,1
	ES			30,1							
GNZ	EP	03	20	29,0		-1,4	1,96	88		4,1	4,2
	ES			53,5		-0,8					
	ES					-1,9					

STATION	TIME	COORDINATES	MAG	DEPTH	DIR	RES	DIST	AZ	H-A	W P	W S
CAZ	03 21 04		2.6	2.24	166						
GBZ	03 20 40		2.8	2.51	359				3.2		4.3
MEL	03 21 11		0.5	2.62	192				3.8		4.3
COB	03 20 45	21.5	-1.1	3.18	221					3.3	3.8
GPZ	03 22 09		-3.7	5.41	203				4.3		
MAY 06 01 15 30.2 37.91S 177.08E 153 KM SE 1.2 AVG MAG 69/ 231 4.8											
TJA	01 16 15.3	U	0.8	0.89	177				4.3	4.4	
GNZ	01 15 15.9		1.1	1.04	135				4.5	4.3	
ECZ	01 15 16.9	U	-0.4	1.18	80				4.8	4.8	
KRP	01 15 18.1	DSE	0.3	1.22	269				4.0	3.2	
AJC	01 16 37		-0.5	2.12	299						
GBZ	01 16 26.5	D	3.3	2.12	322				4.2	3.4	
MNG	01 16 38		-2.8	2.97	204				3.5	3.7	
MAY 06 02 11 39.2 37.75S 176.34E 207 KM SE 1.4 AVG MAG 69/ 231 4.8											
KRP	02 12 27.9		0.0	0.66	254				3.8	3.1	
TJA	02 12 32		0.5	1.24	149				4.3	4.3	
GNZ	02 12 35.8		1.4	1.58	203				3.7	3.4	
GNZ	02 12 34.9		2.3	1.60	125				4.3	4.8	
GBZ	02 12 33		-2.3	1.67	336				3.5		
ECZ	02 12 38		1.9	1.75	89				4.7	4.2	
TNZ	02 12 40		0.4	2.11	226				3.8		
MNG	02 12 48.8	D	-0.3	2.94	193				4.4	4.3	
MEL	02 13 43.5		-0.7	3.74	198				4.1	4.2	
COB	02 13 58		-0.1	4.35	219					4.8	
MAY 07 22 41 46.3 38.87S 175.39E 12 KM SE 1.9 AVG MAG 69/ 231 4.8											
GNZ	22 41 54.9		1.2	0.37	153						
MNZ	22 41 56.1		-2.2	0.64	68				5.1	5.1	
TNZ	22 42 06.2	UNW	0.4	0.82	247				4.5	4.3	
KRP	22 42 21		2.3	0.95	9				4.7	4.5	
TJA	22 42 13.9	U	-1.0	1.41	88				5.4	4.9	
MNG	22 42 19.7	D	2.3	1.75	177						
GNZ	22 42 23.9	U	0.5	2.10	83				4.9	4.4	
MEL	22 42 32		1.6	2.46	190				4.3	4.9	4.7
GBZ	22 42 38		-1.7	2.65	2				3.8		

LOCAL EARTHQUAKES

STATION	TIME	COORDINATES	MAG	DEPTH	DIR	RES	DIST	AZ	H-A	W P	W S
ECZ	22 42 37		-0.7	2.0	2.78	66				4.6	
COB	22 42 39		0.4	2.99	221					4.4	4.4
KAI	22 43 16		-1.5	4.72	218				4.3		
FELT MOTUJAPA (40) MM V AND TOKAANU (40) MM IV											
MAY 07 22 54 33.6 38.85S 175.90E 12 KM SE 1.9 AVG MAG 69/ 235 3.7											
MNZ	22 54 36		-3.3	0.27	37						
KRP	22 54 53.8		0.6	0.96	343				4.2	3.6	
TJA	22 55 05		0.3	0.98	88				3.9	3.6	
TNZ	22 55 06.8	D	1.4	1.23	254				3.7	3.6	
MNG	22 55 31		1.8	1.80	190				4.0	3.6	
GBZ	22 55 27.3		0.1	2.65	353				3.3		
COB	22 55 31		-0.2	3.30	226				3.6	3.5	
FELT HAUTU PRISON (50)											
MAY 08 00 04 55.4 38.73S 175.79E 12 KM SE 1.6 AVG MAG 69/ 237 4.7											
MNZ	00 05 01.2		0.3	0.26	69						
KRP	00 05 12.1	UNW	1.6	0.82	346				4.8	4.7	
TJA	00 05 13.8	U	-0.9	1.07	95				5.2	4.7	
TNZ	00 05 25.3		-0.1	1.19	247				4.9	4.7	
GNZ	00 05 29.9		-0.9	1.75	98				4.9	4.3	
MNG	00 05 29.3	D	-1.5	1.91	187				4.9		
ECZ	00 05 40		2.4	2.40	65				5.0		
GBZ	00 05 42		2.5	2.52	354				4.1		
MEL	00 05 44.3		-2.0	2.67	197				4.5	5.1	4.8
ONE	00 05 59		-0.2	3.16	338				4.2		
COB	00 05 45		-1.3	3.33	224					4.6	4.5
CRZ	00 06 33		-2.7	4.96	329					4.3	
KAI	00 06 19			5.05	220				4.7		
CIZ	00 06 47		1.1	7.77	135						
FELT MOTUJAPA (40) AND TOKAANU (40) MM IV											
MAY 08 00 26 56.5 38.76S 175.85E 12 KM SE 1.4 AVG MAG 69/ 238 3.6											
MNZ	00 27 04		2.4	0.23	58						
KRP	00 27 07		-3.2	0.87	343				3.7	3.7	
MEL	00 27 12.2		-0.7								
GBZ	00 27 23.5		-0.7								
ECZ	00 27 27		1.1								

TUA	P*	00 27 14.1	-0.9	1.02	93	3.9	3.7												
	ES*	28.5	-0.2																
TNZ	E	00 27 39.8		1.22	249	3.7	3.4												
GNZ	E	00 27 20		1.70	87		3.3												
MNG	EP	00 27 20		1.88	199	3.8	3.3												
	PN	25.5	-2.3																
	ESV	52	1.2																
GBZ	EPG?	00 27 47	-1.1	2.55	353	2.8													
REL	ES*	00 28 18.5	0.4	2.66	198	3.6	3.4												
COB	EPV	00 27 47	-0.6	3.34	225	3.6	3.3												
	ESV	28 27	0.8																
FELT MOTJOAPA (40) M4 II																			
MAY 06	H M S	01 21 02.0	38,878	175,56E	12 KM	SE 1.4	AVG MAG	69/ 20											
		0.5	0.03	0.04				3.7											
			4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S							
CNZ	P*	01 21 08.1				-2.6	0.33	182											
	ES	17																	
MNZ	ES*	01 21 19	0.9	0.48	61														
KRP	P*	01 21 19.6	U	0.4	2.04	359	3.8	3.4											
	ES*	32	0.1																
						0.98		251											
TNZ	EP*	01 21 22	-2.3	1.24	88														
TJA	EP*	01 21 33.3	1.8	1.75	182														
MNG	PN	01 21 33.3				0.8													
	ES*	57	0.1																
GNZ	PG	01 21 41.3	0.1	1.93	84														
COB	EP*	01 21 55	-1.2	3.11	224														
FELT MOTJOAPA (40) M4 III																			
MAY 06	H M S	03 35 42.5	38,848	175,58E	12 KM	SE 1.6	AVG MAG	69/ 20											
		0.5	0.03	0.03				3.8											
			4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S							
CNZ	P*	03 35 49.4	U	-0.6	0.38	195													
KRP	PG	03 36 00.1		-1.1	0.92	353													
	ESG	15		1.4															
TNZ	EP*	03 36 02		-1.3	1.07	250													
TUA	EP*	03 36 02		-1.3	1.15	89													
	ES*	17.5																	
MNG	P*	03 36 13.9		-0.2	1.79	185													
	ES*	40		2.2															
GNZ	PG	03 36 22		2.1	1.85	85													
COB	EP*	03 36 38		-0.1	3.19	224													
	ESG	37 29		-1.0															
FELT MOTJOAPA (40) M4 IV																			
MAY 06	H M S	04 28 29.7	38,825	175,50E	12 KM	SE 0.2	AVG MAG	69/ 20											
		0.1	0.00	0.00				3.5											
			4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S							
MNZ	E	04 28 47			0.30	51													
CNZ	P*	04 28 38.0		-0.0	0.43	208													
KRP	P*	04 28 46.5		-0.0	0.92	347													
	ES*	39		-0.0															
TJA	P*	04 28 49		0.2	1.05	90													
	S*	29 02.8		-0.2															
TNZ	PN	04 29 00			1.17	251													
MNG	EP*	04 29 00		-0.0	1.81	188													
FELT MOTJOAPA (40) M4 IV																			
MAY 06	H M S	04 44 13.0	38,805	175,87E	12 KM	SE 1.0	AVG MAG	69/ 20											
		0.4	0.03	0.03				3.4											
			4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S							
CNZ	P*	04 44 21.2		-1.0	0.47	212													
	E	34																	
KRP	P*	04 44 29.8		0.1	0.91	343													

LOCAL EARTHQUAKES

TUA	ES*	04 44 42	-0.1																
	P*	04 44 32	0.8	1.00	91	3.3	3.4												
	ES*	44	-0.7																
TNZ	EP*	04 44 46.5	0.9	1.23	251	3.5	3.4												
MNG	EP*	04 44 46.5		1.84	189														
FELT MOTJOAPA (40) M4 IV																			
MAY 06	H M S	05 06 49.2	38,805	175,76E	12 KM	SE 1.5	AVG MAG	69/ 243											
		0.4	0.03	0.03				4.2											
			4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S							
MNZ	P*	05 06 54.9		0.2	0.32	57													
	EPG	57		2.0															
CNZ	P*	06 06 54.9	U	-1.7	0.43	203													
	EPG	56		-1.1															
KRP	IP*	06 07 05.2	UN	0.7	0.89	349													
	ES*	13		1.3															
TUA	P*	06 07 07.9	U	0.1	1.09	91													
	ES*	22		-0.5															
GNZ	EPG	06 07 24		-0.1	1.78	86													
MNG	PN	06 07 19.5		0.8	1.83	187													
	ESV	45																	
GBZ	EPG	06 07 38		-2.6	2.59	355													
REL	EPG	06 07 33		-0.6	2.59	197													
	ESG	08 17		1.4															
COB	EP*	06 07 43		-2.0	3.26	225													
	ESG	09 40		2.0															
FELT MOTJOAPA (40) M4 IV, SEVEN SMALLER SHOCKS REPORTED FELT BETWEEN 06430M AND 10430 DO NOT INCLUDE TWO RECORDED AT CNZ AT 06417M AND 07H 16M																			
MAY 06	H M S	06 17 00.1	38,878	175,77E	12 KM	SE 1.4	AVG MAG	69/ 244											
		0.5	0.02	0.03				3.5											
			4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S							
MNZ	ES*	06 17 13		0.7	0.35	48													
CNZ	P*	06 17 05.9		-1.7	0.38	207													
	EPG	07.5		-0.5															
	ES*	13.5		0.4															
KRP	P*	06 17 16.2		-1.4	0.96	349													
	ES*	32		1.9															
TUA	EP*	06 17 19		-0.7	1.08	87													
	ES*	34		-0.2															

MAY 08		H	M	S	38.89S 175.53E		12 KM	SE 1.7	AVG MAG 69/ 240		
		0.02			0.03				3.7		
		H	M	S	DIR	RES	DIST	AZ	M-A	W P	M S
MNZ	E(PQ)	14	46	34		2.0	0.92	60			
TNZ							0.94	252	3.5	3.4	
KRP	PQ	14	46	41.9	UN	0.9	0.97	0	3.8	3.7	
	ESQ			54		-0.1					
TUA	P*	14	46	43.6	U	-0.3	1.27	87	4.4	3.4	
	PJ			44.7		-2.4					
	ES*			47 01		-0.1					
MNG	OG	14	46	55.0		-1.3	1.72	181	4.1	3.4	
	ESQ			47 22		2.4					
GNZ	EPG	14	47	00.5		-0.6	1.96	83	4.2		
HEL	EPG	14	47	11		-0.2	2.46	194	3.4	3.6	3.1
	ESQ			45		0.6					
GBZ	EPG	14	47	15.5		0.1	2.67	359	3.1		
COB	EP*	14	47	17		2.0	3.07	224	3.5	3.1	
	ESQ			45 02		-2.9					
MAY 08		H	M	S	45.24S 167.59E		12 KM	SE 1.7	AVG MAG 69/ 240		
		0.03			0.07				4.3		
		H	M	S	DIR	RES	DIST	AZ	M-A	W P	M S
MNW	IP*	16	52	09.0		0.4	0.94	178	4.5	4.3	
	ESQ			19		2.1					
MSZ	EP*	16	52	11.0		1.0	0.62	22			
ROK	IP*	16	52	21.1	D	0.4	1.24	101	4.9	4.1	
	E			33.0							
	S*			39.0		1.6					
	E			53.0							
HPZ	PN	16	52	24.3	U	-2.6	1.67	149	4.7	5.1	
	SN			46		-1.9					
KAI	EP*7	16	53	07		1.2	3.87	47	4.2		
	ESN			43		2.0					
GPZ	EPN	16	53	56		-1.6	3.94	69	4.3		
	ESN			53 41		-1.5					
COB	EPN	16	53	20		0.1	5.60	44	4.4	4.2	
	E			26							
	ESN			54 21.5		-1.2					
FELT MANAPOURI (139)											
MAY 08		H	M	S	39.19S 174.77E		219 KM	SE 1.5	AVG MAG 69/ 240		
		0.05			0.06				4.4		
		H	M	S	DIR	RES	DIST	AZ	M-A	W P	M S
TNZ	IP	17	14	05.9	D	0.5	1.40	26	4.1	3.3	
	S			31.8		-0.6					
MNG	IP	17	14	08.8	U	2.3	1.93	159	4.7	4.8	
	E			27.5							
	S			34		-0.3					
TUA	IP	17	14	11.1	U	1.2	1.90	79	4.8	4.9	
	ES			40		-0.2					
HEL	P	17	14	13.4		1.6	2.09	180	4.5	4.4	4.6
	S			45.0		1.4					
COB	P	17	14	16.8		1.2	2.45	219	4.6	4.6	
	S			50.3		-0.0					
GNZ	IP	17	14	17.9	DN	0.7	2.60	79	4.6	4.2	
	ES			51		-2.2					
ECZ	P	17	14	25.3		-0.2	3.32	64	5.3	4.6	
	ES			15 07		-1.0					
KAI	ES	17	15	25		-1.8	4.19	216	4.6		
GPZ	EP	17	14	43		-0.3	4.78	199	5.3		
	ES			15 37.5		-2.3					

MAY 09		H	M	S	NEAR MURCHISON (80)		12 KM	SE 1.7	AVG MAG 69/ 249		
		0.03			0.03				3.6		
		H	M	S	DIR	RES	DIST	AZ	M-A	W P	M S
COB	EP	01	35	00		0.13	0.30	58			
	ES			17.5		-2.8	0.45	204			
KAI	ES	01	35	26		0.2					
FELT MURCHISON (80) 44 IV											
MAY 09		H	M	S	35.79S 175.76E		12 KM	SE 1.7	AVG MAG 69/ 250		
		0.03			0.03				3.6		
		H	M	S	DIR	RES	DIST	AZ	M-A	W P	M S
MNZ	EP*	08	57	09		1.3	0.30	58			
GNZ	P*	08	57	07.4		-2.8	0.45	204			
	EPO			11		0.2					
KRP	IP*	08	57	17.9	UN	0.2	0.88	348	3.8	3.7	
	ES*			31		1.3					
TUA	P*	08	57	20.7		-0.2	1.07	91	3.8	3.8	
	ES*			34		-1.4					
							1.16	250	3.8	3.6	
GNZ	EPG	08	57	39		0.8	1.76	86			
MNG	EPN	08	57	32		-0.3	1.84	187	4.0		
GBZ	EPG	08	57	51		-2.7	2.98	395	3.4	3.1	
	E			58 36							
HEL	EPN	08	57	45		2.1	2.61	197	3.4	4.0	
	ES*			58 23		1.4					
COB	EPN	08	57	53		1.2	3.28	225	3.6	3.4	
	ESQ			58 51		-1.0					
MAY 09		H	M	S	38.83S 175.62E		12 KM	SE 1.9	AVG MAG 69/ 251		
		0.03			0.04				3.6		
		H	M	S	DIR	RES	DIST	AZ	M-A	W P	M S
MNZ	P*	18	17	08		-0.2	0.43	63			
	E			21							
KRP	P*	18	17	14.8		-1.5	0.90	356	3.8	3.6	
	ES*			29		0.4					
							1.03	249	3.7	3.3	
TNZ	EPG	18	17	26		1.9	1.20	90	4.1	3.9	
TUA	EPG	18	17	42		1.7					
	ESQ			42		-1.9	1.79	163	4.0	3.6	
MNG	PN	18	17	28.0		-1.9					
	ESN			50		-2.1					
GNZ	EPG	18	17	37		-1.1	1.89	85			
HEL	EPN	18	17	40		-0.2	2.54	195	3.4	3.5	3.3
	ES*			18 16.5		-1.3					
GBZ	EP*	18	17	45		-0.5	2.61	358	3.1		
COB	EPN	18	17	50		1.4	3.16	224	3.7	3.5	
	ES*			18 40		3.5					
MAY 10		H	M	S	47.99S 165.36E		33 KM	SE 2.3	AVG MAG 69/ 252		
		0.13			0.15				4.3		
		H	M	S	DIR	RES	DIST	AZ	M-A	W P	M S
MNW	PN	13	51	31.1	D	-0.2	2.70	36	4.9	4.6	
	E			31.8							
	ESN			58		-3.9					
HPZ	EPN	13	51	33		1.5	2.72	62	3.7	4.0	
	ESN			52 01		-1.4					
MSZ	PN	13	51	47.2		1.4	3.77	29	4.7	4.4	
	E			49							
	ESN			52 30		2.1					
MJZ	EPN	13	52	07		-0.4	5.36	43	3.9	3.7	
	E			18							
	ESN			53 05		-1.4					
GPZ	P	13	52	58			6.66	52	4.6		
	ES*			54 15		2.2					

MAY 14		H	M	S	40.40S	174.35E	12 KM	SF	0.9	AVG MAG	69/258
		4	4	11.6	0.01	0.02	?				3.8
		+ 0.2									
MNG	IP	09 41	27.8	-0.1	0.39	105				3.8	3.9
	MS	09 41	32.5	0.0							
	MS	09 41	40	0.0							
WEL	IP	09 41	28.6	-0.2	0.04	150				3.4	4.1
	IP	09 41	30.8	0.0							
	MS	09 41	41	-0.5							
TVZ	IP	09 41	34.0	-0.1	1.71	1				3.7	3.8
	MS	09 41	51	0.3							
COB	IP	09 41	36.3	-0.4	1.41	240				4.2	4.1
	MS	09 41	36.8	0.0							
	MS	09 41	55	-0.3							
GNZ	IP	09 41	36.9	-1.2	1.51	38				3.6	4.1
	MS	09 41	57	-0.7							
TRZ	IP	09 41	56	2.3	2.08	67				3.4	3.3
	MS	09 41	42 30.3								
KRP	IP	09 41	53	-0.4	2.64	21				3.6	3.5
	MS	09 41	59	1.2							
	MS	09 41	42 24	-0.7							
	MS	09 41	33	2.5							
KAI	MS	09 42	56	1.0	3.07	225				3.5	
GNZ	MS	09 42	41	-0.3	3.34	59					3.2
MAY 14		H <td>M <td>S <td>38.91S</td> <td>178.24E</td> <td>12 KM <td>SE</td> <td>1.7</td> <td>AVG MAG</td> <td>69/259</td> </td></td></td>	M <td>S <td>38.91S</td> <td>178.24E</td> <td>12 KM <td>SE</td> <td>1.7</td> <td>AVG MAG</td> <td>69/259</td> </td></td>	S <td>38.91S</td> <td>178.24E</td> <td>12 KM <td>SE</td> <td>1.7</td> <td>AVG MAG</td> <td>69/259</td> </td>	38.91S	178.24E	12 KM <td>SE</td> <td>1.7</td> <td>AVG MAG</td> <td>69/259</td>	SE	1.7	AVG MAG	69/259
		12 45	04.9		0.05	0.06	?				4.1
		+ 1.1									
GNZ	IP	12 45	12.8	1.3	0.31	328				5.1	5.2
TUA	IP	12 45	20.8	0.3	0.85	277					
	S	12 45	31	-1.2							
TRZ	IP	12 45	35.5		1.27	239				4.2	4.1
	MS	12 45	45								
GNZ	IP	12 45	43.9	1.8	2.11	261				4.3	4.6
	MS	12 45	45	-2.0							
KRP	IP	12 45	39.8	-2.3	2.34	294				4.1	3.7
	MS	12 45	46	0.1							
	MS	12 45	45 17	0.3							
MNG	IP	12 45	48.5	0.7	2.72	230				3.9	3.6
	MS	12 45	45								
	MS	12 45	45								
TVZ	IP	12 45	50	-1.6	3.01	264				3.8	3.5
	MS	12 45	46	2.5							
	MS	12 45	38	0.9							
WEL	IP	12 45	10	-1.0	3.86	227				4.2	4.0
	MS	12 45	16	0.0							
	MS	12 45	40	0.4							
COB	IP	12 45	15.5	0.4	4.75	241				3.9	3.9
	MS	12 45	20	-2.3							
	MS	12 45	47 38	-0.7							
	MS	12 45	32	2.7							
MAY 14		H <td>M <td>S <td>39.31S</td> <td>178.12E</td> <td>12 KM <td>SE</td> <td>1.8</td> <td>AVG MAG</td> <td>69/260</td> </td></td></td>	M <td>S <td>39.31S</td> <td>178.12E</td> <td>12 KM <td>SE</td> <td>1.8</td> <td>AVG MAG</td> <td>69/260</td> </td></td>	S <td>39.31S</td> <td>178.12E</td> <td>12 KM <td>SE</td> <td>1.8</td> <td>AVG MAG</td> <td>69/260</td> </td>	39.31S	178.12E	12 KM <td>SE</td> <td>1.8</td> <td>AVG MAG</td> <td>69/260</td>	SE	1.8	AVG MAG	69/260
		23 04	14.8		0.27	0.07	?				3.6
		+ 1.4									
GNZ	IP	23 04	21.7	-0.5	0.37	348					
TUA	IP	23 04	28.6	-0.6	0.78	284				4.6	4.3
	MS	23 04	39	-0.9							
ECZ	MS	23 04	38	0.9	1.35	13					3.3
GNZ	MS	23 04	52	1.7	2.01	264				3.4	3.2
	MS	23 04	03 17	0.1							
KRP	IP	23 04	54.8	-0.4	2.30	297				3.3	
MNG	IP	23 05	24	-2.8	2.59	231					3.0
COB	IP	23 05	39		4.63	242					3.3

LOCAL EARTHQUAKES

MAY 15		H	M	S	40.55S	176.87E	12 KM	SF	1.2	AVG MAG	69/261
		21 19 <th>24.7 <td></td> <td>0.03</td> <td>0.05</td> <td>?</td> <td></td> <td></td> <td></td> <td>3.9</td> </th>	24.7 <td></td> <td>0.03</td> <td>0.05</td> <td>?</td> <td></td> <td></td> <td></td> <td>3.9</td>		0.03	0.05	?				3.9
		+ 1.0									
TRZ	IP	21 19	43.7	-0.3	1.03	158				4.0	4.0
	MS	21 19	59	1.8							
MNG	IP	21 19	43.1	-0.7	1.06	267				4.3	4.3
	MS	21 19	52	-3.1							
GNZ	IP	21 19	52.3	-1.4	1.71	323				4.3	4.3
	MS	21 19	20 14	-1.2							
WEL	IP	21 20	00.0	0.1	1.74	245				3.7	4.0
	MS	21 20	14.5	-1.0							
	MS	21 20	23	-0.4							
TVZ	IP	21 20	06	0.2	2.37	305				3.7	3.7
	MS	21 20	38	0.6							
KRP	IP	21 21	13.5	-0.9	2.85	338				3.3	3.3
	MS	21 21	51.5	-0.3							
COB	IP	21 21	16	2.4	3.18	259				3.9	3.6
	MS	21 21	21	0.9							
	MS	21 21	02.5	0.7							
MAY 16		H <td>M <td>S <th>39.12S</th> <th>174.82E</th> <th>260 KM</th> <th>SE</th> <th>1.2</th> <th>AVG MAG</th> <th>69/262</th> </td></td>	M <td>S <th>39.12S</th> <th>174.82E</th> <th>260 KM</th> <th>SE</th> <th>1.2</th> <th>AVG MAG</th> <th>69/262</th> </td>	S <th>39.12S</th> <th>174.82E</th> <th>260 KM</th> <th>SE</th> <th>1.2</th> <th>AVG MAG</th> <th>69/262</th>	39.12S	174.82E	260 KM	SE	1.2	AVG MAG	69/262
		06 23	04.3		0.05	0.06	?				3.9
		+ 0.9									
TVZ	IP	06 23	38.5	0.4	0.35	259					
	MS	06 23	06	1.5							
GNZ	IP	06 23	39.2	0.5	0.57	98				4.2	3.6
	MS	06 23	07	1.4							
KRP	IP	06 23	43.0	1.2	1.32	25				3.3	3.0
	MS	06 23	11	-1.4							
MNG	IP	06 23	49.3	0.7	1.98	161				4.8	3.7
	MS	06 23	15	-0.6							
TRZ	IP	06 23	46	1.2	1.61	106				4.2	4.0
	MS	06 23	17	1.0							
TUA	IP	06 23	47	0.4	1.84	81				4.3	4.3
	MS	06 23	18	-1.3							
WEL	IP	06 23	49	-0.4	2.16	181				3.9	3.8
	MS	06 23	24	-0.4							
COB	IP	06 23	53.0	-0.0	2.53	219				4.2	4.2
	MS	06 23	24 29	-1.9							
GNZ	IP	06 23	53.8	0.6	2.55	80				4.4	3.2
	MS	06 23	24 29	-2.2							
MAY 15		H <td>M <td>S <th>41.65S</th> <th>171.93E</th> <th>12 KM</th> <th>SF</th> <th>1.6</th> <th>AVG MAG</th> <th>69/263</th> </td></td>	M <td>S <th>41.65S</th> <th>171.93E</th> <th>12 KM</th> <th>SF</th> <th>1.6</th> <th>AVG MAG</th> <th>69/263</th> </td>	S <th>41.65S</th> <th>171.93E</th> <th>12 KM</th> <th>SF</th> <th>1.6</th> <th>AVG MAG</th> <th>69/263</th>	41.65S	171.93E	12 KM	SF	1.6	AVG MAG	69/263
		23 50	23.7		0.33	0.05	?				3.7
		+ 0.6									
COB	IP	23 50	38.5	-0.3	0.83	47					
	MS	23 50	50	-2.1							
KAI	IP	23 50	40	-1.1	0.95	204				3.4	
	MS	23 50	52	-2.0							
GNZ	IP	23 50	58	0.0	2.11	166				3.3	
	MS	23 50	51 02	1.2							
	MS	23 50	25	1.6							
WEL	IP	23 51	02	0.3	2.16	51				3.5	4.0
	MS	23 51	31	0.7							
GNZ	IP	23 51	05	0.5	2.57	204				3.3	3.3
	MS	23 51	34	-1.1							
MNG	IP	23 51	08.5	-0.1	2.37	70				4.0	3.8
	MS	23 51	15	-0.9							
	MS	23 51	49	-0.7							
TVZ	IP	23 51	18.5	0.9	3.09	38				4.0	3.9
	MS	23 51	56	-2.2							
	MS	23 51	52 10	2.1							
GNZ	IP	23 51	21.5	2.0	3.69	50				4.0	4.2

		H	M	S															
	MNG	09	52	39.0															
	HEL	09	52	15.4	U	-1.3	1.90	193		4.0	3.9								
	COB	09	52	41.2		-3.1													
	GPZ	09	53	58.0		0.9	2.65	194		4.5									
	MUZ	09	53	11.2		0.8	3.25	222			3.8								
		09	53	39.5		-2.4	3.46	203		4.5									
		09	54	26.9		-3.8	6.54	215											
MAY 19		10	56	38.5															
				0.2															
	TRZ	10	57	09.3	DIR	RES	DIST	AZ		W-A	W-P	W-S							
				20.0		-0.0	0.57	145		4.0									
	TUA	10	57	10.5	D	-0.2	0.65	69		4.8	4.1								
	CNZ	10	57	11.3	D	0.4	0.67	260		4.2	3.8								
	KRP	10	57	19.9		-0.2	1.34	330		3.2	3.2								
	GNZ	10	57	37.1		0.7													
				23.5		-1.7	1.35	71		3.3									
				28.5		0.5													
				47.0															
	TRZ	10	57	23.9		0.7	1.57	255		3.8	3.4								
				47.5		0.1													
	MNG	10	57	24.2		-0.6	1.66	204		3.7									
				28.5		-0.2													
				53.9		2.4													
	HEL	10	57	42.2		-0.8	2.32	209		3.7	3.7	3.3							
	COB	10	57	04.5		-2.6													
				49.5		0.5	3.45	233		3.3									
				32.5															
				55		36.1													
MAY 19		21	44	53.4															
				1.6															
	KRP	21	45	19.0	U	0.2	0.54	327		3.9	3.4								
				37.5		-0.9													
	TUA	21	45	23.0		0.9	1.07	114		4.3	3.9								
				43.0		-1.2													
	TRZ	21	45	52.5			1.37	149			4.1								
	GNZ	21	45	29.2		1.3	1.68	100		3.5	4.3								
				52.5		-1.6													
	EDZ	21	45	33.8		0.6	2.19	73											
				45		-0.5													
	MNG	21	45	36.4	U	2.4	2.26	188		4.4	3.8								
				45		0.9													
	HEL	21	45	23.4		1.9	3.03	196			3.7								
	COB	21	45	36.5		1.4	3.65	221			3.4								
	GPZ	21	47	24.1		-2.2	3.06	204		4.4									
	MUZ	21	47	48.5		-3.3	6.94	214											
MAY 20		08	07	39.3															
				0.8															
	TUA	08	08	15.0	D	0.5	0.72	204		5.0	4.4								
				26.0		-1.1													
	GNZ	08	08	15.4	D	0.5	0.57	124											
				20.0		-1.7													
	EDZ	08	08	21.0	U	0.5	1.09	55		4.2									
				24.4															
				41.5															
	TRZ	08	08	23.0		1.8	1.31	201		4.1									

LOCAL EARTHQUAKES

		H	M	S															
	KRP	08	08	35.6	D	0.7	1.54	285		4.0	4.2								
				26.9															
				41.8															
				45.0															
	TRZ	08	08	46.3		-1.2	2.53	249											
				09															
				17.5															
				40.5		-1.7	2.73	213		3.7									
				59.2															
	HEL	08	08	53.5		-0.5	3.59	214		4.6	4.0	4.1							
				10.0															
				34.5		-1.0													
	COB	08	09	07.0		-0.1	4.54	231		3.8									
				16.0															
				31.5		2.4													
	MUZ	08	09	49.5		-1.1	7.71	221											
				11		09.5													
MAY 20		17	04	00.8															
				1.3															
				0.06															
				0.05															
	ECZ	17	04	31.5	DIR	RES	DIST	AZ		W-A	W-P	W-S							
				38			0.72	103											
	GNZ	17	04	28.0	DN	-0.5	1.17	166		4.3	4.2								
				49.5		-0.4													
	TUA	17	04	30.5		0.2	1.36	197		4.3	4.3								
				53		-0.1													
	KRP	17	04	34.7	D	0.5	1.74	256											
				59.5		-0.5													
	MNG	17	04	37		0.7	3.54	208		3.3	3.9								
				05		21													
				40.7		1.8													
	HEL	17	05	59		0.5	4.39	210		4.8	4.2								
	COB	17	05	18.0		-0.4	5.23	225			3.9								
	GPZ	17	07	05		-1.7	7.26	210		4.9									
MAY 21		07	50	24.2															
				0.8															
				0.04															
				0.03															
	KRP	07	50	50.1	DIR	RES	DIST	AZ		W-A	W-P	W-S							

MAY 23	H	M	S	35.53S	175.97E	178 KM	SE	1.1	AVG MAG	69/289
	12	23	17.4	0.03	0.03					
KRP	IP			4	4	S	DIR	RES	DIST	AZ
				12	23	43.1	DSE	-0.0	0.69	331
CNZ	IP			12	23	44.2	U	0.8	0.74	206
				12	23	04.2		0.8		
TUA	IP			12	23	45.8		0.9	0.97	107
				12	23	05.3		-0.6		
TRZ	IP			12	23	48.2		1.3	1.22	147
				12	23	10		0.3		
TNZ	IP			12	23	50.3	U	1.7	1.40	242
CNZ	IP			12	23	51		0.3	1.62	95
MNG	IP			12	23	57.1	U	1.1	2.12	190
				12	23	26		0.2		
ECZ	EP			12	23	57		0.0	2.20	68
				12	23	24				
GRZ	IP			12	23	58.2		-0.4	2.34	350
CAZ	IP			12	23	01		2.0	2.38	175
				12	23	34		3.0		
WEL	IP			12	26	05.2	U	-0.3	2.90	198
				12	26	42		-0.4		
ONE	IP			12	26	08		1.0	3.04	335
COB	IP			12	26	12.2	U	-1.5	3.56	223
				12	26	56.5		-0.5		
KAI	IP			12	27	33.5		-3.2	5.29	220
GPZ	IP			12	26	40		-1.7	5.74	205
				12	26	27		-3.2		
MJZ	IP			12	26	56		-0.3	6.84	215
				12	26	09		-4.4		
MVA	IP			12	27	31		-0.6	9.33	218
				12	27	12.5		-4.1		
MAY 23	H	M	S	39.70S	175.41E	109 KM	SE	1.3	AVG MAG	69/289
	14	29	42.3	0.02	0.03					
CNZ	IP			14	29	57.9	D	-1.5	0.51	12
MNG	IP			14	30	04.1	U	1.2	0.92	177
TNZ	IP			14	30	04.3	D	1.1	0.95	302
				14	30	19		-0.0		
TRZ	IP			14	30	04.6	D	-0.3	1.10	83
				14	30	07.3				
MNZ	IP			14	30	05.5		-1.5	1.19	27
CAZ	IP			14	30	10.2	U	2.2	1.36	153
				14	30	20				
TUA	IP			14	30	10.9	U	-0.2	1.62	57
				14	30	31		-1.6		
WEL	IP			14	30	13.1		1.6	1.66	197
				14	30	19.3				
				14	30	24.9				
				14	30	33		-1.4		
KRP	IP			14	30	13.0	UNE	0.1	1.77	3
				14	30	35		-0.8		
CNZ	IP			14	30	19.2	DSW	-0.4	2.29	63
COB	IP			14	30	23.6		1.5	2.47	235
				14	30	26				
ECZ	IP			14	30	31.2		-0.3	3.17	52
				14	30	31		-1.1		
GRZ	IP			14	30	35.8		0.1	3.48	1
ONE	IP			14	30	44.6		1.7	4.00	349

LOCAL EARTHQUAKES

MAY 23	H	M	S	35.94S	179.09E	300 KM	SE	1.5	AVG MAG	69/289
	14	55	16.4	0.21	0.25					
CNZ	IP			14	56	11.1	D	0.1	2.83	197
				14	56	52		-1.6		
TUA	IP			14	56	16		0.8	3.25	208
				14	56	01		-0.0		
KRP	IP			14	56	35.5			3.47	234
TRZ	IP			14	57	17.5		1.6	4.03	206
MNG	IP			14	56	39		-1.0	5.47	210
				14	56	57		-0.5		
WEL	IP			14	58	06		2.2	6.32	211
COB	IP			14	53	21		-1.1	7.16	222
GPZ	IP			14	53	06.5		-0.6	9.20	211
MAY 23	H	M	S <td>45.07S</td> <td>166.87E</td> <td>12 KM</td> <td>SE</td> <td>1.8</td> <td>AVG MAG</td> <td>69/290</td>	45.07S	166.87E	12 KM	SE	1.8	AVG MAG	69/290
	15	02	36.6	0.07	0.12					
MVA	IP			15	02	46.4	U	-1.4	0.60	51
				15	03	50.1				
				15	03	04.2				
WPZ	IP			15	03	22.4		0.2	1.49	114
ROX	IP			15	03	05		-1.0	1.81	72
				15	03	31		1.6		
MJZ	IP			15	03	28			3.29	52
				15	03	35				
				15	03	41		-2.1		
				15	03	06.3		1.4		
				15	03	26		-1.3		
CPZ	IP			15	03	25			4.74	62
COB	IP			15	04	11.5		0.6	6.55	43
				15	03	25.5		2.1		
MAY 23	H	M	S <td>38.98S</td> <td>175.04E</td> <td>225 KM</td> <td>SE</td> <td>1.5</td> <td>AVG MAG</td> <td>69/291</td>	38.98S	175.04E	225 KM	SE	1.5	AVG MAG	69/291
	18	44	33.9	0.05	0.06					
TNZ	IP			18	45	06.2		1.8	0.55	247
KRP	IP			18	45	07.2	D	-0.2	1.12	21
				18	45	32		-1.4		
TRZ	IP			18	45	11.8		1.6	1.50	113
				18	45	39		0.6		
TUA	IP			18	45	15			1.66	83

		H	M	S														
MNG	IP	18 45	13,9	39,5	U	-1,2	2,0	1,68	168	4,8	4,3							
HEL	PP	18 45	19	41,8		2,8	1,1	2,32	195	4,3	4,1	4,3						
GNZ	SS	18 45	19,3	52,5		2,9	1,0	2,36	93	3,9	3,8							
COB	IP	18 45	23,2	50	U	-2,7	0,6	2,75	219	4,5	4,1							
KAI	SS	18 45	36	46 00,5		0,1	-1,1	4,49	217	4,3								
GPZ	SS	18 45	50	46 48		-0,2	5,05	200	200	4,7								
HJZ	PP	18 45	03,5	46 48		-1,5	0,4	6,07	213									
	S	47	10,5			-2,2												
MAY 23	H M S	23 30	29,3	39,28S		178,25E	33 KM	SE	1,6	AVG MAG	69/ 291							
				0,04		0,09					4,2							
	H M S																	
GNZ	IP	23 50	41,1	52,4		1,8	-0,5	0,66	344	4,2	4,1							
TUA	PP	23 50	44,4	48		-1,6	0,98	299	299	4,1	4,3							
	S			51 02,5		-0,4												
TRZ	IP	23 50	50	51 00		-2,3		1,14	256	4,1	4,2							
	S			50 39,3		-0,0		2,51	237	4,1	3,1							
MNG	IP	23 51	07	51 35		1,3	3,33	232	232	4,5	4,2							
HEL	SS	23 51	57	52 29		-0,5	4,60	245	245	3,8	4,2							
COB	PP	23 51	35	23 53 01		2,6	-1,6	6,10	222	4,6								
GPZ	SS	23 53	01	23 53 03		0,0	6,11	236	236	4,6								
KAI	SS	23 53	03	23 53 37		1,2	7,49	229	229									
MJZ	SS																	
MAY 24	H M S	06 58	21,2	37,00S		177,57E	215 KM	SE	1,1	AVG MAG	69/ 291							
				0,05		0,06					4,8							
	H M S																	
GNZ	IP	06 58	58,9	59 25	U	1,0	1,68	168	168	4,6	4,0							
TUA	PP	06 59	29	06 58 58,1		-1,2	0,2	1,83	190									
GBZ	PP	06 59	00,9	30		-1,5	1,85	294	294									
KRP	PP	06 59	00,9	34		1,2	0,7	1,86	240									
MNG	EP	06 59	24	07 00 12		0,5	3,96	204	204	3,6	3,6							
	S			07 00 30		0,2												
HEL	SS	07 00	30	07 00 47		-3,5	4,80	206	206	4,2	3,9							
COB	SS	07 00	47			-0,6	5,55	221	221		3,9							
MAY 25	H M S	20 18	35,6	37,96S		176,05E	201 KM	SE	1,0	AVG MAG	69/ 291							
				0,06		0,05					3,9							
	H M S																	
KRP	P	20 19	03	20 19 03		0,3	0,41	275	275	4,4	4,1							
	S			25,5		-0,2	1,49	114	114	4,0	4,1							
GNZ	IP	20 19	11,2	39,5		0,4	-0,2	1,70	160		3,8							
TRZ	SS	20 19	39	20 19 22,0		-0,2	2,69	199	199	3,8	3,6							
MNG	SS	20 19	22,0	57		-1,3												
	S			20 20 16		1,4	3,46	196	196	4,0	3,9							
HEL	SS	20 20	16	20 20 27		-0,2	4,04	218	218		3,7							
COB	SS	20 20	27	20 21 33,5			6,28	203	203	4,5								
GPZ	SS	20 21	33,5															

LOCAL EARTHQUAKES

		H	M	S														
MAY 26	H M S	05 26	12,7	32,63S		179,52W	489 KM	SE	0,9	AVG MAG	69/ 295							
				0,14		0,26					5,8							
	H M S																	
GNZ	SS	05 27	52	29 38		-0,7	6,73	198	198	4,5	4,3							
	S			29 38		-3,9*												
KRP	IP	05 27	56	14,5		0,1	6,65	216	216									
TUA	SS	05 29	10	29 10			6,73	203	203									
TRZ	SS	05 29	26	20			3,7	7,52	202									
MNG	PP	05 28	19,7	29 53		-0,1	8,92	205	205									
	S			30 00		-0,8												
HEL	SS	05 30	18	0,3		9,77	206	206	206	5,8								
COB	SS	05 28	37	0,7		10,47	214	214	214									
	S			30 30		-0,9												
KAI	SS	05 31	05	0,3		12,21	213	213	213	5,6								
GPZ	SS	05 31	18			12,64	207	207	207	5,8								
MAY 26	H M S	08 42	48,8	40,48S		176,43E	33 KM	SE	1,0	AVG MAG	69/ 296							
				0,02		0,03					4,2							
	H M S																	
GAZ	IP	08 43	00,1	09		1,4	0,46	201	201									
MNG	IP	08 43	01,7	11		-0,6	0,75	259	259	4,2	4,2							
TRZ	SS	08 43	06	21		-1,3	0,97	17	17	4,2	4,5							
HEL	PP	08 43	12,3	19,4		0,9	-0,4	1,91	237	3,7	4,1	4,1						
	S			31		0,3												
	S			36		-0,2												
TUA	PP	08 43	20,5	41		0,2	1,76	18	18	4,3	4,3							
	S			25,3														
MNZ	SS	08 43	38	35		-1,4	1,86	352	352	4,9								
TNZ	SS	08 43	22	25,3		0,1	2,05	308	308	4,4	4,0							
	S			29,1														
	S			54		1,6												
GNZ	PP	08 43	21,5	44 01		-0,8	2,20	34	34	3,8	4,0							
KRP	SS	08 43	27,8	49,3		-0,6	2,65	344	344									
	S			35,5		0,1												
COB	PP	08 43	37	44 16,5		-2,9*	2,88	257	257	4,0	4,1							
	S			42														
	S			44 18		3,6												
	S			26,5														
GPZ	SS	08 44	33	30		4,28	220	220	220	4,0								
KAI	SS	08 44	50	45 21		4,30	240	240	240	4,3								
MAY 27	H M S	19 53	30,7	39,32S		174,47E	177 KM	SE	1,0	AVG MAG	69/ 297							
				0,03		0,04					4,3							
	H M S																	
MNG	IP	19 54	04,0	U		1,2	1,91	130	130	4,3	4,3							
	S			28,0		0,4												
KRP	PP	19 54	04,3	30		0,4	1,42	31	31									

STATION	TIME	COORDINATES	DEPTH	MAGNITUDE	DISTANCE	AZIMUTH	WAVELENGTH	PERIOD	SLUG
NEL	19 54	07.9	0.3	1.98	174	3.8	4.3	4.3	
TUA	19 54	09.6	0.1	2.15	77		4.5	4.3	
COB	19 54	10.3	-1.4	2.21	216		4.6	4.2	
GNZ	19 54	17.5	-1.3	2.85	77		4.6	3.9	
KAI	19 55	14	-0.3	3.96	215		4.1		
GPZ	19 55	27.2	-5.3	4.59	197		4.8		
MAY 28	12 27	43.7							69/ 301
MNH	12 28	02.2	0.3	1.00	51		4.3	4.3	
WPZ	12 28	11.3	-0.3	1.64	100		4.1	4.2	
RDX	12 28	23.5	-0.6	2.18	66		3.8	4.1	
MAY 28	12 39	10.6							69/ 291
KRP	12 59	47.1	-0.1	0.92	16				
TUA	13 00	21	-1.3	1.92	91			4.6	
MNG	13 00	28.7	0.0	1.82	173			4.2	4.0
GNZ	13 00	31.5	1.5	2.21	87			4.2	3.9
NEL	13 00	40	1.5	2.50	188			4.0	4.2
COB	13 00	03.6	2.5	2.97	219			4.0	3.8
GPZ	13 01	32	-0.7	5.25	201			4.5	
MAY 28	20 00	30.2							69/ 301
TRZ	20 01	18	-0.5	1.43	292				
GNZ	20 01	55.3	-1.1	1.51	344			3.7	3.8
TUA	20 01	59	0.2	1.68	320			4.2	4.2
MNG	20 01	07.9	0.4	2.39	257			3.7	3.6
NEL	20 01	20	-0.7	3.10	244			3.9	4.1
KRP	20 01	10	-1.2	3.19	312				
COB	20 01	37.5	-0.9	4.53	256			3.9	3.9
GPZ	20 02	51.3	1.4	5.68	229			4.5	

LOCAL EARTHQUAKES

STATION	TIME	COORDINATES	DEPTH	MAGNITUDE	DISTANCE	AZIMUTH	WAVELENGTH	PERIOD	SLUG
MAY 29	04 34	14.5							69/ 301
ONE	04 34	19.3	0.05	12	KM	SE	1.2		AVG MAG 3.3
GBZ	04 34	39.3	-0.6	0.96	270				
AUC	04 34	34.3	0.2	1.09	176				
KRP	04 35	01.5	1.4	2.25	162				3.2
MAY 29	05 50	39.1							69/ 302
NEL	05 51	10.3	0.3	1.00	51			4.3	4.3
COB	05 51	22.1	-0.6	1.32	298				4.4
MNG	05 51	29.2	0.9	1.42	40				4.4
CAZ	05 51	50	-1.0	1.67	62				4.3
KAI	05 51	46.5	1.2	2.29	248				3.8
GPZ	05 51	44	-0.4	2.32	211				3.4
TNZ	05 51	57	-0.7	2.92	2				4.2
TRZ	05 52	02	1.7	2.90	43				4.1
KRP	05 52	02	0.9	3.91	15				
MAY 29	07 36	19.5							69/ 303
NEL	07 36	30.2	0.3	12	KM	SE	1.0		AVG MAG 3.9
COB	07 36	43.2	0.6	1.29	297				4.2
MNG	07 36	45.1	0.6	1.40	42				4.2
KAI	07 37	10	-1.0	2.28	247				3.6
GPZ	07 37	31	-0.5	2.34	210				3.3
TNZ	07 37	20	2.2	2.49	2				4.0
KRP	07 37	20	2.2	3.88	15				

		H	M	S	42,02S	174,57E	12 KM	SE	0,5	AVG MAG	69/ 30
TNZ	EPN	16	38	50,5							
				57,6							
				39 08							
				12							
KRP	EP*	16	39	00							
	EP*			04,5							
	EP*			29							
COB	EPV	16	39	04							
	EP*			08							
	PG			16							
	ES*			41							
	SG			50							
MAY 30		18	57	18,9	42,02S	174,57E	12 KM	SE	0,5	AVG MAG	69/ 30
				0,2	0,01	0,01					
				4	4	5	DIR	RES	DIST	AZ	W-A
				18	57	32,1	USW	-0,7	0,75	12	4,0
				33,0							
				34,5							
				41							
				43							
MNG	IPV	18	57	45,3							
	S*			53 08							
	ISG			12							
COB	IPV	18	57	46,7							
	IP*			50,5							
	SN			58 07,5							
GPZ	IP*	18	57	57,5							
	IP*			58 12,5							
	SN			21							
KAI	EP*	18	58	07							
	EP*			26,3							
	EP*			37							
	ESG			40,5							
TNZ	PN	18	58	04,8							
CNZ	IP*			09,6							
	IP*			14,5							
	SN			39							
	ISG			57							
TRZ	EP*	18	58	19,3							
	EP*			44							
KRP	IPV	18	58	23,5							
	EP*			59 21,8							
	EP*			35,2							
GNZ	SN	18	59	11,5							
MAY 30		22	13	06,8	41,96S	172,09E	12 KM	SE	1,0	AVG MAG	69/ 31
				0,3	0,02	0,02					
				4	4	5	DIR	RES	DIST	AZ	W-A
				22	13	21					
				22,1							
				31,4							
				32,8							
COB	EP*	22	13	24,7							
	EP*			37,7							
GPZ	EP*	22	13	42,5							
	EP*			45,8							
	S*			14 02							
WEL	EP*	22	13	49,8							
	EP*			54,5							
	EP*			14							
	EP*			17,3							
	EP*			21							

LOCAL EARTHQUAKES

		H	M	S	39,56S	174,11E	216 KM	SE	1,8	AVG MAG	69/ 31
MAY 31		13	01	08,1	39,56S	174,11E	216 KM	SE	1,8	AVG MAG	69/ 31
				1,1	0,07	0,07					
				4	4	5	DIR	RES	DIST	AZ	W-A
				13	01	08,1					
				11							
				0,43							
				29							
				1,49							
TNZ	IP	13	01	45,3							
MNG	S			02 10,5							
	IP			13 01 47,8							
WEL	ES			02 16							
	IP			13 01 48,9							
COB	S			02 17,5							
	IP			13 01 48,6							
KRP	S			02 18,5							
	IP			13 01 50							
TRZ	S			02 19,5							
	IP			13 02 19							
TUA	ES			25,5							
	EP			13 02 02							
GNZ	S			38,3							
	IP			13 02 50,7							
KAI	S			13 02 16,4							
GPZ	EP*			03 03							
	EP*			13 02 46,5							
	S			04 03							
MAY 31		17	50	38,5	38,53S	176,02E	110 KM	SE	1,0	AVG MAG	69/ 312
				0,8	0,03	0,03					
				4	4	5	DIR	RES	DIST	AZ	W-A
				17	50	59,9					
				0,81							
KRP	S			51 13							
	EP			17 50 59							
TUA	S			51 14							
	EP			17 51 02,6							
TRZ	S			19,5							
	EP			17 51 07,0							
GNZ	IP			28,6							
	IS			1,2							
	IP			17 51 13,1							
MNG	S			40							
	IP			17 51 22,3							
WEL	S			55,5							
	EP			17 51 32,5							
COB	S			52 14							
	EP			17 53 00							
GPZ	S			-3,9*							
MAY 02		03	30	58,4	38,62S	176,09E	143 KM	SE	1,4	AVG MAG	69/ 313
				1,0	0,07	0,10					
				4	4	5	DIR	RES	DIST	AZ	W-A
				03	30	58,4					
				20							
				-0,5							
				0,82							
KRP	IP			03 31 20,7							
	S			39,0							
TUA	S			0,3							

STATION	TYPE	H	M	S	RES	DIST	AZ	W-A	W P	W S
TRZ	P	03	31	21.7	-1.9	1.09	149			
GNZ	P	03	31	29.5	1.6	1.51	92			4.4
MNG	IP	03	31	35.0	0.9	2.05	193			4.0
ECZ	EP	03	31	35	-0.2	2.14	65			5.0
HEL	P	03	31	43.7	-0.7	2.85	200	3.0	4.5	
	ES	32	20		0.5					
JUN 03 05 21 20.0 41.83S 172.80E 33 KM SE 1.5 AVG MAG 69/ 317										
		H	M	S	RES	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
COB	IP	06	21	35.5	0.9	0.75	356			
KAI	EPV	06	21	42.0	1.7	1.25	236	4.3		
	SPV			56.5	0.9					
HEL	EPV	06	21	45.9	1.0	1.97	70	4.7	4.9	
	SPV			49.0	0.7					
	SPV			22 05.0	1.5					
GPZ						1.87	184	4.2		
MNG	IPV	06	21	56.1	0.5	2.36	60			5.0
	EP			22 01.7	0.0					
TRZ						2.90	23			4.9
CNZ	EPV	06	22	09.3	-0.0	3.36	39			5.3
	EP			15.8	-3.0					
TRZ	EPV	06	22	20.5	5.0	3.81	55			4.1
RDX						4.43	214			4.1
KRP	EPV	06	22	24.3	0.3	4.43	29			4.7
	SPV			23 14.3	1.2					
TJA	SPV	06	23	14.7	-0.3	4.49	49			4.1
YSZ	EPV	06	22	23.9	-1.8	4.56	230			4.4
	SPV			23 14.8	-1.3					
GNZ	SPV	06	23	27.0	-2.4	5.11	53			4.4
MNW						5.44	222			4.4
FELT OVER NORTHERN SOUTH ISLAND MAX INTENSITY MM IV AT MURCHISON (80)										
JUN 03 13 27 23.4 42.22S 172.62E 12 KM SE 1.7 AVG MAG 69/ 317										
		H	M	S	RES	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
KAI	EP	13	27	43.8	1.1	0.95	251	3.3		
	SP			55.1	-0.5					
COB	IP	13	27	44.2	-1.7	1.14	4			4.4
GPZ	EPV	13	27	50.9	-0.4	1.47	179	3.1		4.1
HEL	EPV	13	27	56.5	0.2	1.86	61	3.2	4.1	4.1
	SPV			29 20.0	0.8					
MNG	EPV	13	28	06.0	-1.7	2.68	54			4.3
	SPV			10.5	-1.8					
CNZ	EPV	13	28	24.7	2.7	3.75	37			4.2
KRP	EPV	13	28	35	1.3	4.84	28			3.8
FELT NELSON (76), INANGAHUA (79), WESTPORT (79), REEPTON (86)										
JUN 03 15 33 29.2 42.25S 172.70E 12 KM SE 0.7 AVG MAG 69/ 317										
		H	M	S	RES	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
KAI	EP	15	33	00.7	0.0	0.99	253	3.4		
COB	EP	15	33	49.5	-0.6	1.16	1			
GPZ	EPV	15	33	55.7	0.9	1.45	181			
	SPV			34 12.5	-0.9					
HEL	EPV	15	34	00.0	0.3	1.82	59			4.0
	SP			25.3	-0.4					
MNG	EPV	15	34	11.5	0.4	2.65	53			4.0
	SP			16.0	0.3					

LOCAL EARTHQUAKES

DATE	TIME	STATION	TYPE	H	M	S	RES	DIST	AZ	W-A	W P	W S
JUN 06	00 10 09.3			35.29S	179.93W	33 KM	SE 1.5	AVG MAG	69/ 317			
				0.07	0.10							4.9
				4 4 S	DIR	RES	DIST	AZ	W-A	W P	W S	
				00 10 52.2		2.7	2.49	206				5.3
				00 11 03.5		-0.1	3.73	205				4.8
				50.0								
ECZ	EPV	00	11	05.0	-1.1	3.83	255					4.5
	SPV			00 11 10.3	0.0	4.21	213					5.0
GBZ	EPV	00	11	10.3	-0.0	4.49	233					5.0
TUA	EPV	00	11	14.0	0.3							
KRP	EPV	00	11	17.0	0.5	4.67	262					4.7
	SPV			27.7								
ONE	EPV	00	11	17.0								
	SPV			27.7								
TRZ	EPV	00	11	23.8	-1.3	4.98	210					4.6
CNZ	EPV	00	11	23.8	1.9	5.31	221					4.9
	SPV			12 25.5								
TRZ	EPV	00	11	25.8								
	SPV			12 25.5								
TRZ	EPV	00	11	35.5	-0.6	5.97	228					4.9
CRZ	EPV	00	11	35.5		6.12	275					4.2
	SPV			48.0								
MNG	EPV	00	11	39.0	-1.3	6.43	213					
	SPV			55.0								
HEL	EPV	00	13	09.0	-2.0	7.29	213					5.4
	SPV											
JUN 07 05 24 09.3 35.52S 179.26W 33 KM SE 0.9 AVG MAG 69/ 318												
		H	M	S	RES	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S		
		05	24	51.5	0.6	2.80	219			5.7		
ECZ	EPV	05	24	51.5								
	SPV			26 01								
GNZ	EPV	05	25	03.5	-1.1	3.80	214					5.3
	SPV			48	0.9							
GBZ	EPV	05	25	11.7	-0.2	4.33	259					4.0
TUA	EPV	05	25	12.2	-0.1	4.36	220					5.1
KRP	EPV	05	25	17.7	-0.9	4.82	239					4.9
	SPV			26 12	0.2							
ONE	EPV	05	25	24.0	3.3	5.20	265					4.9
CNZ	EPV	05	25	27.4	-0.7	5.53	227					
MNG	EPV	05	25	41.3	-1.1	6.57	218					
	SPV			26 05.5								
	SPV			27 39								
CRZ	EPV	05	25	45.0	1.0	6.71	277					
HEL	EPV	05	25	45.0		7.43	217					5.7
CIZ	EPV	05	25	11.5	1.2	8.68	167					
	SPV			27 44.0	-0.2							
JUN 07 13 49 09.7 35.71S 179.49W 204 KM SE 0.8 AVG MAG 69/ 319												
		H	M	S	RES	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S		
		13	49	54.7	-0.0	2.54	215					
ECZ	EPV	13	49	54.7								
	SPV			51 02								
GNZ	EPV	13	50	06.8	0.2	3.54	213					5.0
	SPV			51	0.4							
TUA	EPV	13	50	13.8	0.4	4.10	220					4.9
GBZ	EPV	13	50	12.5	-1.2	4.11	261					4.5
KRP	EPV	13	50	18.3	-1.0	4.57	240					4.5
	SPV			51 13	-0.3							
ONE	EPV	13	50	26.0	1.1	5.00	257					4.7
CNZ	EPV	13	50	28.9	0.6	5.27	227					5.0
MNG	EPV	13	50	41.5	-0.2	6.30	217					
CRZ	EPV	13	50	45.2	0.4	6.55	279					
HEL	EPV	13	50	45.2		7.16	217					5.6
CIZ	EPV	13	51	10.5	-0.2	8.54	166					

JUN 07		H	M	S	36,49S 177,74E		12 KM	SE	1.5	AVG MAG	69/321
		+ 1.2			0.07 0.07		?	?	?	?	3.8
		H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
EPZ	EPV	15	01	48.3		-2.0	1.36	152	4.4	4.0	
GBZ	EPV	15	01	57		0.3	1.84	278			
	EPV			59.3		0.8					
GNZ	EPV	15	02	01.0		0.1	2.16	174	4.0	4.0	
	PG			10.0		0.5					
	SN			28.0		1.2					
KRP	EPV	15	02	01.2		-1.1	2.26	230	3.4	3.2	
	SN			28.0		-1.5					
GNZ	EPV	15	02	17		1.8	3.21	212	3.8	3.5	
JUN 08											
JUN 08		H	M	S	42,09S 174,31E		12 KM	SE	1.5	AVG MAG	69/321
		+ 0.7			0.05 0.06		?	?	?	?	4.2
		H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
HEL	IP*	03	20	10.6		-0.2	0.87	24	3.8	4.5	4.5
	ES*			23.5		0.8					
COB	EPV	03	20	20.0		-1.7	1.54	310	4.4	4.2	
	EPV			37.7		-1.9*					
MNG	EPV	03	20	24.0		0.1	1.71	32	4.2	4.0	
	EPV			27.6		2.3					
GPZ	EPV	03	20	28		-0.0	2.02	217	3.4		
	EPV			57		-0.2					
KAI	EPV	03	20	38.8		-0.5	2.19	257	3.7		
	EPV			45.0		1.6					
	EPV			21 04.0		-2.1	3.03	19	4.6	4.5	
GNZ	EPV	03	20	45.8		-1.4					
	EPV			54.9		1.4	4.26	13	4.1	4.0	
KRP	EPV	03	21	10.3		1.4					
JUN 09											
JUN 09		H	M	S	37,50S 177,34E		174 KM	SE	1.3	AVG MAG	69/321
		+ 1.2			0.04 0.05		10	?	?	?	4.3
		H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
ECZ	EPV	04	25	43.0		-0.2	0.98	102	5.0	4.5	
GNZ	EPV	04	25	46.8		1.2	1.26	155	4.6	4.8	
	EPV			06.7		-1.6					
TUA	EPV						1.31	187		4.4	
KRP	EPV	04	25	48.5		0.7	1.49	253	3.9	3.8	
	EPV			26 12.0		-0.2					
GBZ	EPV	04	25	51.5		-1.2	1.97	310			
TRZ	EPV	04	25	29.0		1.6	2.09	191		4.7	
AUC	EPV	04	25	56		1.2	2.15	287			
MNG	EPV	04	26	10.0		-0.5	3.43	204	3.8	4.0	
	EPV			53		0.6					
HEL	EPV	04	27	11		-0.6	4.27	207	4.3	4.2	
COB	EPV	04	27	28.7		-1.1	5.06	224		3.8	
JUN 09											
JUN 09		H	M	S	40,21S 176,34E		12 KM	SE	1.4	AVG MAG	69/321
		+ 0.5			0.03 0.03		? <td>? <td>? <td>? <td>3.7</td> </td></td></td>	? <td>? <td>? <td>3.7</td> </td></td>	? <td>? <td>3.7</td> </td>	? <td>3.7</td>	3.7
		H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
TRZ	IP*	15	53	24.2	U	0.3	0.76	30	3.8	3.9	
	EP*			35.0		1.7					
	EP*			43.0							
MNG	IP*	15	53	25.0	U	0.9	0.77	238	4.2	4.1	
	PG			25.3		-0.3					
	EP*			35.5		0.9					
GNZ	IP*	15	53	31.0	D	-0.2	1.18	329	4.0	3.9	
	EP*			47.7		0.7					
HEL	EPV	15	53	37		-0.5	1.60	228	3.2	4.1	3.7
	EPV			44		1.7					
	EPV			55.5		-2.4					
GNZ	EP*	15	53	46		0.2	2.04	40			3.4

KRP	EPV	16	53	06		-2.0					
	EP*			53		1.5	2.37	345		3.2	3.1
	EP*			54 28		-1.8					
COB	EPV	16	53	57.5			2.88	251		3.7	3.6
	EPV			54 07		-1.1					
	EPV			28		-0.7					
	EP*			37		1.0					
FELT DANNEVIRKE (53) MM IV											
JUN 10											
JUN 10		H	M	S	41,88S 171,62E		12 KM	SE	1.8	AVG MAG	69/324
		+ 1.2			0.07 0.09		?	?	?	?	3.9
		H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
KAI	EP*	18	25	08.9		-0.6	0.66	194	3.4		
	EP*			17.0		-1.6					
COB	EP*	18	25	16.5		-1.4	1.15	47	4.1	4.2	
	EP*			32.2		-1.2					
GPZ	EPV	18	25	31		1.5	1.96	158	2.9		
MJZ	EPV	18	25	34		0.4	2.27	202		3.3	3.1
	EP*			27 14		0.4					
HEL	EP*	18	27	10		-1.9	2.44	77			3.6
MNG	EPV	18	25	48.3		2.4	3.17	68		3.6	3.4
	EP*			27 36		1.9					
FELT WESTPORT (79)											
JUN 11											
JUN 11		H	M	S	40,97S 175,54E		12 KM	SE	1.7	AVG MAG	69/325
		+ 1.7			0.07 0.11		?	?	?	?	3.8
		H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
MNG	IP*	01	05	31.8		-0.2	0.35	353			
	EP*			35		-2.1					
HEL	IP*	01	05	38.8	D	1.5	0.66	241	3.4	4.3	4.1
	EPV			49.7		-2.1					
GNZ	EPV	01	05	55		0.3	1.77	0		3.7	3.6
	EPV			06 01.3		0.6					
	EP*			22		2.4					
	EP*			30.5							
COB	EPV	01	05	59		-0.3	2.12	266		3.9	3.8
	EP*			05 07		-0.9					
	EPV			27		1.9					
KRP	EP*	01	06	57		-0.9	3.04	0			3.5
	EP*			07 02							
FELT TE KOPU (70) MM IV											
JUN 11											
JUN 11		H	M	S	39,75S 177,04E		33 KM	SE	0.7	AVG MAG	69/326
		+ 0.4			0.03 0.03		?	?	?	?	4.5
		H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
TRZ	IPV	10	32	02.0		0.2	0.26	320			
TUA	EPV	10	32	10		-0.6	0.95	5	4.8	5.0	
	EPV			21.8		-0.9					
GNZ	IPV	10	32	15.7		0.5	1.28	295			
GNZ	EPV	10	32	16.2		0.1	1.35	35	3.9	4.6	
	EP*			22.2							
	EPV			33		0.6					
MNG	IPV	10	32	18.6		0.8	1.47	234		4.5	4.5
KRP	EPV	10	32	27.0		-0.4	2.17	327		3.8	3.9
	EP*			33.8		1.0					
HEL	EPV	10	32	29.0		-0.3	2.31	228	4.7	4.7	5.0
	EPV			35.7		-0.1					
ECZ	EPV						2.37	30			4.5
COB	EPV	10	32	45.2		-1.0	3.55	247			4.5
	EPV			33 26		0.1					
KAI	EPV						5.07	235	4.9		
FELT CENTRAL NORTH ISLAND MAX INTENSITY MM IV											

JULY 14		H	M	S	42.67S	171.82E	12 KM	SE	1.0	AVG MAG	69/332			
		10	09	37.6	0.02	0.02	2				4.1			
					4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
KAI	PG	10	10	03.6					-0.8	0.33	295	3.7		
GPZ	PG	10	10	10.2					0.8					
	PG			19.1					-0.1	1.19	150	3.8		
	PG			22					0.1					
	PG			35					-0.2					
MJZ	PG	10	10	27.7					0.1	1.65	216			
COB	EP	10	10	25.7					-1.1	1.72	24	4.1	3.8	
	PG			26.4					-1.7			4.7	4.7	
	PG			51					0.0					
WEL	EP	10	10	39					0.2	2.60	59	4.7	4.3	
	PG			45					1.8					
KRP	ESV	10	12	20.7					0.7	5.52	32	3.9	3.7	
JULY 14		H <td>M <td>S <td>32.29S</td> <td>179.89E</td> <td>539 KM</td> <td>SE</td> <td>1.2</td> <td>AVG MAG</td> <td>69/334</td> </td></td>	M <td>S <td>32.29S</td> <td>179.89E</td> <td>539 KM</td> <td>SE</td> <td>1.2</td> <td>AVG MAG</td> <td>69/334</td> </td>	S <td>32.29S</td> <td>179.89E</td> <td>539 KM</td> <td>SE</td> <td>1.2</td> <td>AVG MAG</td> <td>69/334</td>	32.29S	179.89E	539 KM	SE	1.2	AVG MAG	69/334			
		10	30	30.7	0.07	0.11	12				3.9			
					4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
ECZ	EP	10	32	05.3					0.4	5.50	191			
	PG			33										
	PG			22					0.1	5.75	231	6.0		
ONE	PG	10	32	07.3					-0.4					
	PG			33					-0.3	6.40	249			
CRZ	PG	10	32	12.9					-0.2	6.52	193			
GNZ	PG	10	32	14.2					-1.8					
	PG			33					1.3	6.65	211			
KRP	PG	10	32	17.0					3.4					
	PG			33					1.2	6.67	198			
TUA	PG	10	32	19.0					1.7					
	PG			33					-0.5	7.66	198			
TRZ	EP	10	32	25					1.0					
	PG			33					-0.9	7.74	206			
GNZ	PG	10	32	25.5					-1.6	9.03	202			
MNG	PG	10	32	37.8					-2.1					
	PG			34					0.4	9.87	203	5.8		
WEL	PG	10	32	48.7					0.9	10.49	211			
	PG			34										
COB	PG	10	32	54.1					-0.1					
	PG			34					0.9					
JULY 15		H <td>M <td>S <td>47.41S</td> <td>165.22E</td> <td>33 KM</td> <td>SE</td> <td>1.9</td> <td>AVG MAG</td> <td>69/333</td> </td></td>	M <td>S <td>47.41S</td> <td>165.22E</td> <td>33 KM</td> <td>SE</td> <td>1.9</td> <td>AVG MAG</td> <td>69/333</td> </td>	S <td>47.41S</td> <td>165.22E</td> <td>33 KM</td> <td>SE</td> <td>1.9</td> <td>AVG MAG</td> <td>69/333</td>	47.41S	165.22E	33 KM	SE	1.9	AVG MAG	69/333			
		19	47	48.3	0.34	0.24	2				4.0			
					4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
MVA	PG	19	48	18.4					-0.0	2.32	46	4.4	4.1	
	PG			46.8					1.8					
MSZ	PG	19	48	32.4					0.2	3.32	35	4.1	4.0	
ROX	PG	19	48	33.3					-0.2	3.43	57	4.1	4.0	
	PG			49					0.9					
MJZ	PG	19	49	03					-2.7	5.02	49		3.5	
	PG			45										
JULY 16		H <td>M <td>S <td>38.72S</td> <td>175.57E</td> <td>106 KM</td> <td>SE</td> <td>1.2</td> <td>AVG MAG</td> <td>69/335</td> </td></td>	M <td>S <td>38.72S</td> <td>175.57E</td> <td>106 KM</td> <td>SE</td> <td>1.2</td> <td>AVG MAG</td> <td>69/335</td> </td>	S <td>38.72S</td> <td>175.57E</td> <td>106 KM</td> <td>SE</td> <td>1.2</td> <td>AVG MAG</td> <td>69/335</td>	38.72S	175.57E	106 KM	SE	1.2	AVG MAG	69/335			
		16	41	52.0	0.05	0.05	12				4.0			
					4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
GNZ	PG	16	42	10.0					1.1	0.54	207	4.0	3.8	
KRP	PG	16	42	10.5					-0.9	0.93	342	3.9	3.4	
	PG			25.7					-0.5					
TUA	PG	16	42	14.0					0.8	1.01	96		4.5	
	PG			29					-0.3					
TRZ	PG	16	42	15.2					0.7	1.12	139	4.2	4.2	
TVZ	PG	16	42	17.8					1.7	1.25	248	3.6	3.3	

MNG	PG	16	42	23.8					-0.4	1.92	189		4.5	4.5
	PG			47.5					-0.5					
WEL	EP	16	42	33.5					-1.3	2.70	198		3.9	4.4
JULY 16		H <td>M <td>S <td>45.41S</td> <td>167.04E</td> <td>72 KM</td> <td>SE</td> <td>1.3</td> <td>AVG MAG</td> <td>69/337</td> </td></td>	M <td>S <td>45.41S</td> <td>167.04E</td> <td>72 KM</td> <td>SE</td> <td>1.3</td> <td>AVG MAG</td> <td>69/337</td> </td>	S <td>45.41S</td> <td>167.04E</td> <td>72 KM</td> <td>SE</td> <td>1.3</td> <td>AVG MAG</td> <td>69/337</td>	45.41S	167.04E	72 KM	SE	1.3	AVG MAG	69/337			
		19	04	53.2	0.05	0.12	2				4.0			
					4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
MVA	PG	19	05	06.0					-1.1	0.55	133		4.6	4.3
MSZ	PG	19	05	11.9					0.2	0.96	43		4.1	4.1
	PG			26.0					0.3					
ROX	PG	19	05	21.0					0.8	1.60	93		4.0	4.0
	PG			41					0.7					
MJZ	PG	19	05	09.5					-0.9	2.82	61		3.6	3.5
JULY 17		H <td>M <td>S <td>39.07S</td> <td>175.20E</td> <td>162 KM</td> <td>SE</td> <td>1.6</td> <td>AVG MAG</td> <td>69/338</td> </td></td>	M <td>S <td>39.07S</td> <td>175.20E</td> <td>162 KM</td> <td>SE</td> <td>1.6</td> <td>AVG MAG</td> <td>69/338</td> </td>	S <td>39.07S</td> <td>175.20E</td> <td>162 KM</td> <td>SE</td> <td>1.6</td> <td>AVG MAG</td> <td>69/338</td>	39.07S	175.20E	162 KM	SE	1.6	AVG MAG	69/338			
		03	32	39.7	0.05	0.05	10				4.5			
					4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
GNZ	PG	03	53	03.4					1.5	0.30	116			
TVZ	PG	03	53	04.6					1.2	0.65	259		4.7	
KRP	PG	03	53	07.7					0.4	1.17	13		5.0	3.7
	PG			27.4					-1.2					
TRZ	PG	03	53	10.7					1.7	1.35	112		4.1	4.8
	PG			32.7					1.1					
TUA	PG	03	53	12.0					1.0	1.54	81		5.2	5.0
	PG			34.5					-0.9					
MNG	PG	03	53	12.3					1.1	1.56	172			
	PG			33.2					-2.2					
WEL	PG	03	53	19.9					1.1	2.24	188		5.1	5.1
	PG			50.3					1.5					
GNZ	PG	03	53	19.0					0.2	2.24	80			
	PG			46					-2.9					
COB	PG	03	53	25.0					-0.3	2.77	222		4.6	4.7
	PG			54.00					-0.3					
ECZ	PG	03	53	27.4					-0.4	2.97	64		5.2	4.9
KAI	PG	03	54	37					-2.9	4.50	219	4.6		
GPZ	PG			37					5.01	202		3.3		
JULY 19		H <td>M <td>S <td>41.50S</td> <td>171.97E</td> <td>12 KM</td> <td>SE</td> <td>0.5</td> <td>AVG MAG</td> <td>69/339</td> </td></td>	M <td>S <td>41.50S</td> <td>171.97E</td> <td>12 KM</td> <td>SE</td> <td>0.5</td> <td>AVG MAG</td> <td>69/339</td> </td>	S <td>41.50S</td> <td>171.97E</td> <td>12 KM</td> <td>SE</td> <td>0.5</td> <td>AVG MAG</td> <td>69/339</td>	41.50S	171.97E	12 KM	SE	0.5	AVG MAG	69/339			
		19	10	20.9	0.04	0.04	2				3.5			
					4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
COB	PG	19	10	34.8					-0.4	0.77	49		3.7	4.2
	PG			46.3					0.5					
KAI	PG	19	10	38					-1.4	1.02	204		3.4	
	PG			49.5										
WEL	PG	19	11	21					-0.2	2.13	83			3.7
GPZ	PG									2.16	167	3.2		
MJZ	PG	19	11	03					0.4	2.53	204		3.1	3.1
	PG			42.5					0.8					
MNG	PG	19	11	06					0.7	2.83	71		3.7	3.5
	PG			09.5					-1.0					
	PG			46					0.3					
MSZ	PG	19	11	25					0.4	4.27	223			3.2
	PG			42.5										
	PG			12					-0.1					
	PG			36					5.1					
F. E. T. MURCHISON (80) 4M IV														
JULY 20		H <td>M <td>S <td>40.51S</td> <td>175.79E</td> <td>12 KM</td> <td>SE</td> <td>1.2</td> <td>AVG MAG</td> <td>69/340</td> </td></td>	M <td>S <td>40.51S</td> <td>175.79E</td> <td>12 KM</td> <td>SE</td> <td>1.2</td> <td>AVG MAG</td> <td>69/340</td> </td>	S <td>40.51S</td> <td>175.79E</td> <td>12 KM</td> <td>SE</td> <td>1.2</td> <td>AVG MAG</td> <td>69/340</td>	40.51S	175.79E	12 KM	SE	1.2	AVG MAG	69/340			
		05	35	15.3	0.04	0.04	2				4.4			
					4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
MNG	PG	05	35	21.0					0.6	0.24	268			
WEL	PG	05	35	33.0					-0.9	1.03	229	3.5	4.1	4.3
	PG			47					-0.8					

		H	M	S														
	NSV			53														
GNZ	SV	05	35	39,0		-1,6	1,42	352						4,2				
TNZ	SV	05	35	45		-0,4	1,79	322						5,3				4,2
	SV			07		-0,6												
COB	SV	05	35	55		1,9	2,37	257										
	SS			29		0,9												
FELT WANGAHAE (52)																		
JUN 20	H	M	S															
		05	54	22,8														
				0,6														
					38,79S	175,99E	107 KM	SE	1,2					AVG MAG	69/340			
					0,04	0,04	10								5,8			
							DIR	RES	DIST	AZ								
GNZ	IP	05	54	40,8					1,0	0,54	220							4,5
TJA	IP	05	54	43,0					-0,1	0,91	92							5,8
				43,9														
				53,8														
				01														
KRP	SS	05	54	43,3					-0,0	0,93	337							4,6
	SS			57,5					-1,4									
TRZ	SS	05	54	45,0					0,9	1,00	140							
TNZ	SS	05	54	50,0					2,2	1,32	252							5,2
GNZ	SS	05	54	51,0					-0,2	1,60	86							
				39,0														
MNG	IP	05	54	55,0					0,5	1,87	192							
AJD	SS	05	54	58,7					0,6	2,15	333							
EDZ	SS	05	54	59,9					-0,2	2,29	62							
WEL	SS	05	55	04,1					-1,2	2,67	200							4,9
				10,5														
				36					-1,2									
				49														
COB	IP	05	55	14,2					-0,9	3,40	226							
KAI	SS									5,11	222							4,6
OPZ	SS									5,92	205							4,9
FELT WAIKARE (51) MM III, MAUNGATANIWA (52)																		
JUN 20	H	M	S															
		20	52	43,6														
				0,7														
					37,89S	178,17E	100 KM	SE	1,6					AVG MAG	69/341			
					0,04	0,05	9								5,1			
							DIR	RES	DIST	AZ								
EDZ	IP	20	52	56,7					-2,1	0,36	57							
GNZ	IP	20	53	02,5					0,9	0,76	189							
TJA	SS	20	53	07,9					0,9	1,21	221							5,2
	SS			25					0,4									
TRZ	SS	20	53	18,1					1,9	1,96	212							
GRZ	IP	20	53	26,5					0,2	2,72	307							
AUC	SS	20	53	28,5					-0,4	2,89	290							
TNZ	SS	20	53	35,8					2,1	3,24	249							4,9
MNG	SS	20	53	34,3					-1,5	3,43	217							4,8
ONE	SS	20	53	41					0,9	3,71	304							4,5
WEL	SS	20	53	46,8					-1,2	4,29	217							5,3
				36,1					-1,1									
COB	SS	20	53	59					-2,5	5,28	231							4,8
	SS			01,8					0,3									
CRZ	SS	20	54	05,0					-0,2	5,42	305							4,7
KAI	SS									6,94	225							5,0
OTZ	SS	20	54	31					0,4	7,25	148							
	SS			49					-0,9									
FELT EAST CAPE PENINSULA, MAXIMUM INTENSITY MM V AT CAPE RUNAWAY (29)																		
JUN 22	H	M	S															
		08	26	58,0														
				1,8														
					45,47S	167,04E	70 KM	SE	1,0					AVG MAG	69/341			
					0,04	0,14	10								3,9			
							DIR	RES	DIST	AZ								
MNW	IP	08	27	11,0					-0,4	0,91	128							4,5
	SS			21,5					-0,0									4,2
MSZ	SS	08	27	17,3					0,2	1,01	38							4,1
	SS			31,5					0,1									4,2

		H	M	S														
	NSV			08	27	26												
ROX	SS	08	27	41,7					1,0	1,60	91							3,8
MJZ	SS	08	27	41,7					-0,8	2,85	60							3,4
JUN 22	H	M	S															
		08	51	37,2														
				0,6														
					41,70S	171,95E	12 KM	SE	1,5					AVG MAG	69/342			
					0,05	0,05	2								3,3			
							DIR	RES	DIST	AZ								
COB	SS	08	51	23,0					0,2	0,85	44							3,4
	SS			35,5					-0,6									
KAI	SS	08	51	38,0					1,5	0,92	206							3,1
WEL	SS	08	52	15					1,3	2,16	80							3,5
MJZ	SS	08	51	30					2,3	2,53	205							2,9
	SS			17					-0,8									
	SS			31					-1,7									
MNG	SS	08	51	57					-0,5	2,88	69							3,3
	SS			34					-1,3									
MSZ	SS	08	52	11					1,2	4,18	223							
	SS			56					-1,4									
	SS			28					-0,3									
FELT MURCHISON (80) MM IV																		
JUN 24	H	M	S															
		14	56	31,6														
				1,1														
					38,54S	175,30E	241 KM	SE	0,9					AVG MAG	69/345			
					0,06	0,06	12								3,9			
							DIR	RES	DIST	AZ								
KRP	SS	14	57	04,9					0,3	0,74	15							3,8
TRZ	SS	14	57	39					0,5	1,50	128							3,8
MNG	SS	14																

		H	M	S														
	GPZ																	
	WEL	21	33	36														
	MNG	21	33	39														
	TNZ																	
	MSZ	21	35	57														
	FELT MURCHISON (80) MM IV																	
JUN 25		02	45	08.2														
	ECZ	02	47	45														
	CRZ	02	46	43														
	GNZ	02	46	46														
	KRP	02	46	47.9														
	TRZ	02	45	56.5														
	CNZ	02	46	57														
	TNZ	02	47	04.5														
	MNG	02	47	10.0														
	WEL	02	47	19.5														
	COB	02	47	26														
JUN 25		02	59	44.4														
	KAI	03	00	00.2														
	COB	03	00	00.4														
	GPZ	03	00	29														
	MNG	03	00	34														
	MSZ	03	00	46														
	FELT MURCHISON (80) MM IV																	
JUN 25		23	41	21.6														
	TNZ	23	41	48.4														
	CNZ	23	41	51														
	MNG	23	41	55.0														
	WEL	23	42	26														
	COB	23	42	00.5														

LOCAL EARTHQUAKES

		H	M	S														
JUN 25		16	11	15.3														
	TRZ	15	11	39														
	MNG	15	11	36.0														
	WEL	15	11	47.7														
	CNZ	15	11	46.3														
	TNZ	15	11	58														
	KRP	15	12	09														
	COB	15	12	06														
JUN 26		07	34	54.9														
	WEL	07	35	10.1														
	MNG	07	35	12.0														
	COB	07	35	18.8														
	TNZ	07	35	22														
	KRP	07	35	41														
JUN 29		01	36	43.3														
	CNZ	01	37	07.2														
	KRP	01	37	07.0														
	GNZ	01	37	15.3														
	MNG	01	37	19.0														
	WEL	01	37	27.8														
	COB	01	37	35														
JUN 29		06	32	41.7														
	ECZ	06	33	54.5														
	GNZ	06	34	07														
	TUA	06	34	14.8														
	KRP	06	34	17														
	TRZ	06	34	23.6														
	CNZ	06	34	30														
	CRZ	06	34	33														
JUN 30		17	16	20.6														
	ECZ	17	16	44														
	GNZ	17	16	54.8														

		H	M	S																
TUA	S	13	07	39	-1.3			6.26	213											
	MS	13	06	39	-0.5															
	MS	13	07	34	2.3															
KRP	MS	13	06	45	2.7			6.49	227											
TRZ	MS	13	06	49	0.1			7.01	211											
MNG	S	13	08	42	0.4			8.48	213											
HEL	S	13	08	39	-2.0			9.33	213	3.9										
COB	MS	13	09	21	0.1			10.21	221											
CIZ	MS	13	09	26	0.9			10.40	172											
		H	M	S																
JUL 07		07	19	53.5	37.29S	177.29E	214 KM	SE	0.7	AVG MAG	69/371									
					0.03	0.03					4.3									
ECZ	MS	07	20	28																
	MS			45																
	MS			52	-0.0															
GNZ	S	07	20	30.2	-0.1			1.47	157			4.3	4.3							
	S			50.0	-1.4															
TUA	MS	07	20	31	0.2			1.52	184					4.6						
	MS			58	-0.1															
KRP	MS	07	20	30.9	0.0			1.53	245			4.1	3.6							
	MS			53	-0.3															
AJC	S	07	20	36	0.1			2.06	281											
TRZ	S	07	20	39.0	0.7			2.29	189			4.5	4.4							
	S			21.13	1.6*															
MNG	MS	07	20	53.0	-0.6			3.61	202			4.8	4.4							
	S			21.39	0.5															
HEL	S	07	21	03	-0.8			4.44	205	5.1		4.7	4.3							
	S			56	-0.9															
COB	ES	07	22	14	0.3			5.19	222			4.6	4.4							
		H	M	S																
JUL 07		17	59	13.1	46.44S	166.63E	33 KM	SE	0.8	AVG MAG	69/374									
					0.03	0.04					3.8									
MNW	MS	17	59	30.0	0.6			0.95	45			4.2	4.2							
	MS			42	0.9															
HPZ	MS	17	59	42	1.1			1.55	99					4.0						
	S			01	-0.6															
MSZ	MS	17	59	43.0	-0.6			1.99	27			4.0	3.8							
	MS			49	0.6															
	MS			14	-0.8															
RDX	MS	17	59	45	-0.2			2.11	64			4.2	3.9							
	MS			50	-0.9															
	MS			18	-0.4															
MJZ	MS	18	00	16	-0.9			3.65	49			2.8	3.4							
	MS			01.06	1.2															
		H	M	S																
JUL 07		18	50	47.6	39.70S	174.13E	214 KM	SE	1.4	AVG MAG	69/375									
					0.07	0.07					4.3									
MNG	MS	18	51	23.7	1.8			1.39	132			4.3	4.3							
	MS			42																
	MS			48.0	-0.5															
HEL	S	18	51	26	1.7			1.46	163	4.0		4.0	4.2							
	S			53	0.4															
COB	S	18	51	26.4	1.3			1.75	217			4.2	4.3							
	S			48																
	S			54	-0.1															
KRP	MS	18	51	27	-1.4			2.08	32											
	MS			59	-0.9			2.08	87					4.3						
TRZ	MS	18	51	32	-0.9			2.91	70											
	MS			32	-0.9			2.91	70											
GNZ	MS	18	51	40.0	-0.9			3.20	72			4.4	4.1							
	MS			52	1.6			3.99	61											
ECZ	MS	18	52	41	-1.3			4.15	195	4.7										
	S			41	-1.3			4.15	195											
GPZ	S	18	52	41	-0.5			5.06	211											
	ES			03	-0.5			5.06	211											

		H	M	S																
JUL 07		20	22	43.0	34.55S	177.82E	33 KM	SE	1.6	AVG MAG	69/376									
					0.14	0.17					4.3									
KRP	MS	20	23	52	1.6															
	MS			43	0.2									4.1	3.9					
GNZ	MS	20	23	54	-0.4															
	MS			29	1.8															
TUA	MS	20	23	45	-0.5			4.18	197					4.7						
	MS			14																
TRZ	MS	20	24	49	-1.7			4.95	189					4.5						
	MS			32	-7.9			6.24	197											
		H	M	S																
JUL 07		23	36	52.2	37.43S	177.18E	12 KM	SE	1.3	AVG MAG	69/377									
					0.04	0.03					4.4									
ECZ	MS	23	37	12.0	-1.4			1.12	104											
	MS			30	1.0															
TUA	MS	23	37	18	1.1			1.38	181			4.5	4.6							

STATION	TIME	MAG	DEPTH	LOCATION	AVG MAG	69/381
GNZ	07 11 40	-1.9	5.22	212	5.1	5.1
	12 44	4.7				
TJA	07 11 49	-0.1	5.76	217	5.4	5.3
	12 59	5.5				
KRP	07 11 53.5	-0.2	6.40	232		
	13 04	3.5				
ONE	07 11 54	0.1	6.12	254	5.5	
AJC	07 11 55	1.0	6.12	243		
TRZ	07 11 59	-0.2	6.51	215		
	13 15	4.9				
CRZ	07 12 11	0.2	7.37	266		
TNZ	07 12 13	-0.5	7.98	228		
MNG	07 12 17	-1.9	7.98	216		
	13 48	2.7				
HEL	07 14 04	-1.9	8.84	216	6.2	
COB	07 14 27	-1.0	9.77	223		
CIZ	07 12 47		9.77	172		
	14 29	0.9				
KAI	07 15 05	-2.8	11.47	221	6.1	
GPZ	07 15 09	-4.1	11.69	214	5.9	
YJZ	07 15 39	-3.7	12.97	218		
MSZ	07 15 23	-1.1	14.79	221		
USC3S	07 10 33.5	34.1S	179.2W	110 KM	MAG 4.5	
JUL 08	07 26 23.5	34.20S	178.62W	33 KM	SE 2.8	AVG MAG 69/381 4.8
	4.0	0.15				
	4 M S	DIR	RES	DIST	AZ	W-A W P W S
ECZ	07 27 28	2.0	4.17	213		
GNZ	07 27 39	-0.9	5.19	210	5.0	4.3
	28 42	5.0				4.9
KRP	07 27 50.0	-0.9	6.01	230		
	29 00	3.2				
MNG	07 29 43	0.2	7.93	214		
HEL	07 30 00	-3.3	8.79	215		
COB	07 30 24	-0.9	9.70	222		
CIZ	07 30 29	0.2	9.87	171		
GPZ	07 31 09	-1.7	11.66	213		
MJZ	07 31 37	-3.0	12.92	218		
JUL 08	07 29 00.5	34.31S	178.61W	33 KM	SE 3.1	AVG MAG 69/381 4.3
	3.5	0.19	0.16			
	4 M S	DIR	RES	DIST	AZ	W-A W P W S
ECZ	07 30 04	4.2	4.09	214		
GNZ	07 30 13.0	-0.7	5.11	211	4.3	4.1
	31 14	4.1				
KRP	07 30 23	-2.1	5.95	231	4.2	4.1
	31 33	2.7				
MNG	07 30 54	3.4	7.85	215		
	32 17	1.2				
HEL	07 30 58	-4.1	8.71	215		
	32 34	-2.3				
COB	07 32 57	-1.2	9.63	223		
CIZ	07 33 01	-0.3	9.76	171		
GPZ	07 33 42	-1.7	11.97	213		
MJZ	07 34 10	-3.2	12.84	218		
JUL 08	07 48 22.9	34.21S	170.43W	33 KM	SE 3.0	AVG MAG 69/382 5.0
	3.4	0.18	0.16			
	4 M S	DIR	RES	DIST	AZ	W-A W P W S
ECZ	07 49 27	2.5	4.26	214	5.2	4.8
GNZ	07 49 38	-0.2	5.27	212	4.7	4.4
	48					
	50 41	4.7				
TJA	07 49 46	0.5	5.81	217	5.0	4.9

STATION	TIME	MAG	DEPTH	LOCATION	AVG MAG	69/383
KRP	07 49 49.3	-0.6	6.14	231		
	50 00					
	59	2.0				
TRZ	07 51 12	5.0	6.55	214		
MNG	07 50 14	-1.3	8.02	219		
	51 42	-0.2				
HEL	07 52 00	-2.7	8.88	215	5.8	
COB	07 52 23	-1.7	9.81	223		
CIZ	07 52 25	-0.5	9.84	172		
GPZ	07 53 07	-3.0	11.74	214		
MJZ	07 53 35	-4.5	13.02	218		
JUL 08	10 16 00.7	47.02S	166.40E	33 KM	SE 1.2	AVG MAG 69/383 4.8
	1.0	0.06	0.06			
	4 M S	DIR	RES	DIST	AZ	W-A W P W S
MNG	10 16 25.0	0.9	1.30	35		4.2 4.3
MJZ	10 16 26.9	-0.7	1.72	79		
	48	0.2				
ROX	10 16 38.0	-0.9	2.95	54		4.9 5.1
	17 10	2.0				
MSZ	10 16 40.0	-0.7	2.58	25		5.0 5.0
	17 08	-0.7				
MJZ	10 15 59.0	-2.1	4.17	45		4.6 4.6
	17 49	1.6				
GPZ			5.51	55	5.2	
KAI	10 18 26	0.7	5.73	40	5.2	
COB	10 17 47.0	1.2	7.48	40		
	19 07	-0.0				
HEL	10 19 25	-1.8	8.31	49		
MNG	10 18 09	0.7	9.16	49		
	19 48	0.7				
TNZ	10 20 00.4	-1.0	9.76	40		
KRP	10 20 37	-0.8	11.31	40		
JUL 08	11 19 17.3	34.56S	177.91E	220 KM	SE 1.8	AVG MAG 69/384 4.8
	1.0	0.05	0.05			
	4 M S	DIR	RES	DIST	AZ	W-A W P W S
ECZ	11 19 49.8	-1.2	1.24	156		
	20 15	-1.1				
GNZ	11 19 57.3	-1.2	2.08	178		5.4 5.1
	20 29.0	-1.2				
TJA	11 20 00	-0.9	2.32	195		5.0 5.1
	36	1.3				
KRP	11 20 02.0	1.0	2.33	234		4.2 4.0
AJC	11 20 04.0	0.8	2.53	262		
ONE	11 20 06.8	-1.4	2.98	284		4.6
	51	3.3				
TRZ	11 20 09.0	-0.7	3.10	196		4.6 5.0
	53.0	2.7				
MNG	11 20 25.0	-1.2	4.47	204		4.6 4.7
	21 13.5					
	20	0.2				
CRZ	11 20 28.0	-1.9	4.77	295		4.7
HEL	11 20 35.2	-1.5	5.31	205	5.4	4.6 4.8
	21 39.0	0.3				
COB	11 20 45.5	-0.8	6.06	220		
	21 57	1.3				
KAI	11 22 34	-1.5	7.79	218		
GPZ	11 22 43	-1.7	8.18	208	5.5	
CIZ	11 21 21	3.2	8.50	152		
	22 54	1.9				
YJZ	11 23 10.0	-1.4	9.34	215		
MSZ	11 21 54	3.0	11.69	220		
	23 51	-0.8				
USC3S	11 19 14.4	36.0S	178.2E	170 KM		

STATION	ES	21 01	1.5						
WE	S	10 21 17	-2.0	9.00	217				
CIZ	ES	10 21 38	-3.1	9.76	173				
COB	ES	10 21 39	-3.7	9.95	224				
GPZ	ES	10 22 25	-2.0	11.85	215	5.6			
JUL 09									
H M S		33.04S	179.53W	12 KM	SE	1.5	AVG MAG	69/391	
17 28	33.8							4.7	
	-1.2	0.06	0.09						
ECZ	EPV	17 29 43.0	1.7	3.07	210				
	S*	30 29	1.4						
GNZ	PV	17 29 55.0	-0.2	4.89	208				
	P*	30 05	0.0						
	PG	18	1.3						
TUA	EPV	17 30 01	-1.0	4.60	214				
	MSV	53	-1.1						
KRP	PV	17 30 04.3	-1.8	4.90	233				
	MSV	31 00	-1.3						
ONE	EPV	17 30 09	1.1	5.04	260	4.8			
TRZ	EPV	17 30 13	0.9	5.36	212				
CRZ	PV	17 30 27.0	0.3	6.44	273				
MNG	EPV	17 30 29	-2.8	6.82	214				
COB	EPV	17 30 57	1.9	8.58	223				
CIZ	MSV	17 32 43	-3.5	9.19	166				
JUL 09									
H M S		33.96S	178.72W	33 KM	SE	4.1	AVG MAG	69/392	
20 31	10.4							4.6	
	-7.4	0.37	0.25						
ECZ	EP	20 32 15.5	2.3	4.34	210				
GNZ	P	20 32 25.0	-1.0	5.36	208				
	S	33 29	2.9						
TRZ	EP(S)	20 34 01	4.6	6.63	211				
MNG	MS	20 34 29	-2.4	8.09	213				
COB	MS	20 35 08	-4.8	9.83	221				
CIZ	MS	20 35 18	-1.6	10.12	171				
JUL 09									
H M S		33.73S	179.19W	33 KM	SE	1.4	AVG MAG	69/393	
21 25	33.0							4.7	
	-1.7	0.14	0.21						
ECZ	EP	21 25 38.0	1.9	4.37	204				
GNZ	P	21 25 49.0	-1.1	5.40	204				
	MS	27 51	1.4						
TUA	EP	21 26 55	-1.4	5.87	209				
	MS	28 00	-0.9						
KRP	EP	21 26 59	0.9	6.00	224				
MNG	EP	21 27 26	-0.2	8.09	210	4.3			
	MS	28 53	-0.9						
COB	MS	21 29 34	0.3	9.76	219				
JUL 09									
H M S		36.64S	177.53E	245 KM	SE	1.4	AVG MAG	69/394	
22 56	25.7							4.5	
	-1.7	0.05	0.11						
ERZ	S	22 57 31.0	-0.2	1.33	143				
GBZ	IP	22 57 05.2	-0.4	1.71	284				
GNZ	IP	22 57 09.6	1.1	2.04	169				
	EP	33.0							
	IS	40.0	-1.6						
KRP	P	22 57 10.0	1.5	2.04	231				
TUA	EP	22 57 10.0	0.1	2.18	188				
	MS	17							
	ES	44	-3.1						
TRZ	ES	22 58 01	2.4	2.96	191				
MNG	P	22 57 33.0	-0.2	4.28	201	4.3			
	ES	58 24	-1.8						

STATION	ES	22 58 59	-0.3	5.81	219				
COB	ES	22 59 48	-0.3	7.98	206	3.3			4.3
JUL 10									
H M S		41.89S	174.49E	33 KM	SE	1.7	AVG MAG	69/395	
00 41	00.2							3.9	
	-0.8	0.05	0.06						
MEL	IPV	00 41 11.0	-1.2	0.64	19				
	ISV	20.0	-0.9						
MNG	PV	00 41 23.0	-0.7	1.47	31				4.0 3.8
	P*	29	2.1						
	SV	44.0	2.7						
COB	IPV	00 41 24.9	0.3	1.54	301				4.4 4.2
	SV	43.9	0.8						
GPZ	SV	00 42 00.0	-3.4	2.26	216	3.6			
MJZ	ESV	00 42 34	0.3	3.62	233				3.4
KRP	EP*	00 42 08	-2.6	4.04	12				3.9 3.8
	ES*	43 03	-0.5						
JUL 12									
H M S		44.55S	167.18E	12 KM	SE	1.6	AVG MAG	69/396	
03 48	38.8							4.5	
	-1.4	0.03	0.08						
MSZ	IP*	03 48 16.2	-3.0	0.54	103				
MVA	P*	03 48 32.0	0.4	1.27	156				4.6 4.5
	P3	34.5	-0.1						
	ES*	49	0.3						
ROX	PV	03 48 38.0	-0.8	1.78	122				5.0 5.1
	I	39.0							
	PG	43.0	-1.9						
	SV	49 00.0	-0.9						
HPZ	EPV	03 48 49	1.6	2.42	152				4.5 4.5
	ESV	49 17	0.9						
MJZ	PV	03 48 48.0	0.5	2.43	78				4.0 4.2
	SV	49 19	2.6						
KAI	ES*	03 50 00	-1.1	3.68	58	4.5			
GPZ	ES*	03 50 13	1.5	4.03	80	4.5			
COB	PV	03 49 27.0	-0.0	5.35	52				4.6 4.3
JUL 12									
H M S		39.05S	175.63E	12 KM	SE	1.4	AVG MAG	69/397	
15 52	21.1							3.7	
	-0.5	0.03	0.03						
GNZ	IP3	15 52 24.0	-1.0	0.16	204				
TVZ	EPV	15 52 40	-3.5	0.98	252				3.8 3.5
	ES3	56	1.6						
KRP	EP*	15 52 42.0	0.5	1.13	356				3.5 3.4
	ESV	58	-0.3						
TUA	EPV	15 52 44.0	0.4	1.21	79				4.2
MNG	PV	15 52 49.0	0.7	1.97	184				3.7
	ES*	53 11	1.1						
GNZ	EP3	15 53 00	0.2	1.91	78				3.8
COB	EP*	15 53 11	-2.7	3.01	227				
JUL 12									
H M S		31.51S	179.44W	451 KM	SE	1.2	AVG MAG	69/398	
16 20	21.5							3.4	
	-1.5	0.15	0.33						
ERZ	ES	16 23 19	-3.2	6.38	195				
GNZ	EP	16 22 11.5	-3.2	7.41	196				
	I	14.3							
	S	23 39	0.0						
KRP	EP	16 22 13	1.0	7.61	212				
	MS	23 51							
TUA	MS	16 23 47.5	1.0	7.79	200				
TRZ	MS	16 22 25.5	0.9	8.58	200				
	P	23 59							
MNG	P	16 22 38	-1.9	9.97	203				

		H	M	S			AVG MAG	69/ 402			
WEL	S	15	24	46	-0.9	10.81	204	5.5			
COB	S	16	24	59	-0.6	11.44	211				
GPZ	S	16	25	45	1.6	13.67	205	5.3			
JUL 12	H M S	16	44	17.5	0.03	0.04	33 KM	SE	1.3	AVG MAG	69/ 402
	H M S	16	44	17.5	0.03	0.04	33 KM	SE	1.3	AVG MAG	69/ 402
TRZ	IPN	16	44	26.0	-1.3	0.48	284				
	SN			32.5	-1.9						
	S			34.0	-1.0						
TUA	IPN	16	44	33.0	0.0	0.89	346				
	SN			44.5	0.2						
GNZ	PN	16	44	37.0	0.8	1.13	25				
	S			54.0	0.3						
GNZ	PN	16	44	41.5	-0.2	1.52	287				
	S			45 07.5	2.1						
MNG	IPN	16	44	44.0	-0.9	1.76	237				
	SN			54.0							
	S			57.2							
KRP	IPN	16	44	08.0	2.4						
	S			52.0	-0.1	2.28	319				
	S			02.0	4.1						
WEL	IPN	16	44	57.0	0.8	2.59	231	3.7	3.1	2.9	
	S			45 25.0	-0.7						
COB	IPN	16	45	13.0	-0.5	3.85	247				
	S			29.5							
JUL 12	H M S	17	38	47.1	0.03	0.04	213 KM	SE	0.8	AVG MAG	69/ 401
	H M S	17	38	47.1	0.03	0.04	213 KM	SE	0.8	AVG MAG	69/ 401
KRP	IP	17	39	16.3	0.1	0.59	332				
	S			38.5	-0.2						
TRZ	IP	17	39	52.3		1.33	147				
	S				-0.4	1.69	97				
GNZ	IP	17	39	52.3		1.33	147				
	S				-0.4	1.69	97				
MNG	IP	17	39	30	1.1	2.19	188				
	S			40 01	-0.2						
WEL	S	17	40	17	0.4	2.97	195	3.9	3.9		
COB	S	17	40	29.5	-0.1	3.59	222				
GPZ	ES	17	41	18	-1.0	9.79	204				
JUL 12	H M S	19	38	14.5	0.03	0.06	225 KM	SE	1.6	AVG MAG	69/ 401
	H M S	19	38	14.5	0.03	0.06	225 KM	SE	1.6	AVG MAG	69/ 401
KRP	IP	19	38	44.5	0.2	0.43	287				
	S			39 07.0	-0.4						
GNZ	IP	19	38	52.0	0.4	1.62	159				
	S			39 20.0							
GNZ	IP	19	38	51.6	2.6						
	S			39 18.0	-0.4	1.65	112				
COZ	IP	19	38	54	-1.2	2.00	81				
	S			39 27.0	2.4						
MNG	IP	19	39	01.2	-0.2	2.61	190				
	S			37	-0.9						
WEL	EP	19	39	10.0	-0.3	3.38	197	5.0	3.3	4.1	
	S			53.0	-0.7						
COB	EP	19	39	19.0	1.6	3.98	219				
	S			43 08.0	-0.3						

		H	M	S			AVG MAG	69/ 402			
JUL 12	H M S	20	31	57.6	0.02	0.02	12 KM	SE	1.0	AVG MAG	69/ 402
	H M S	20	31	57.6	0.02	0.02	12 KM	SE	1.0	AVG MAG	69/ 402
KAI	EP	20	32	26	0.3						
	S			40	-0.5						
WEL	EP	20	32	31	-0.8	1.59	76	3.0	3.5	3.6	
	S			52	-1.3						
GPZ	EP	20	32	41.5	1.2	2.01	182	3.1			
	S			33 03	1.4						
	S			36	-1.4						
MNG	PN	20	32	38.7	1.6	2.34	64				
	S			33 12.5	0.9						
TNZ	EP	20	32	48.5	-0.1	2.80	27				
	S			33 16.6	0.0						
WJZ	EP	20	32	44	-0.0	2.84	215				
	S			56	-1.0						
	S			33 36	0.8						
MSZ	EP	20	33	19	-0.6	4.61	228				
	S			59.5	-0.3						
JUL 13	H M S	17	22	04.5	0.09	0.33	222 KM	SE	1.7	AVG MAG	69/ 403
	H M S	17	22	04.5	0.09	0.33	222 KM	SE	1.7	AVG MAG	69/ 403
KRP	EP	17	23	08.0	-0.1	1.50	39				
	S			43.0	0.5	1.75	150				
MNG	EP	17	22	23.0	-1.0						
	S			11.0							
WEL	EP	17	23	21.0	1.1	2.21	172	3.5			
	S			13.0	-0.6	4.77	195				
GPZ	EP	17	24	13.0	-0.6	4.77	195				
	S										
JUL 13	H M S	19	18	44.2	0.05	0.04	153 KM	SE	1.1	AVG MAG	69/ 404
	H M S	19	18	44.2	0.05	0.04	153 KM	SE	1.1	AVG MAG	69/ 404
TUA	P	19	19	07.5	-0.8	0.86	159				
	S			26.5	-0.3						
KRP	IP	19	19	09.5	0.5	0.96	274				
	S			28.0	-0.2						
GNZ	IP	19	19	11.5	0.4	1.19	123				
	S			31.0	-0.9						
TRZ	P	19	19	15.2	0.4	1.55	178				
	S			40.6	2.3						
MNG	IP	19	19	29.0	-0.7	2.79	200				
	S			20 03.5	-1.0						
WEL	EP	19	19	41.0	0.7	3.62	204	3.8	4.3	4.4	
	S			20 23.0	-0.4						
GPZ	ES	19	21	27.5	-3.8	6.48	207				
JUL 14	H M S	10	50	23.5	0.02	0.02	33 KM	SE	1.4	AVG MAG	69/ 405
	H M S	10	50	23.5	0.02	0.02	33 KM	SE	1.4	AVG MAG	69/ 405
WEL	PN	10	50	41.4	2.1	0.91	154	3.5	4.2	4.1	
	S			42.6	1.6						
	S			54	0.4						
MNG	IPN	10	50	40.3	0.4	0.96	100				
	S			41.5	-0.2						
	S			52.5	0.5						
TNZ	EPN	10	50	44.9	0.6	1.28	5				
	S			50.7							
	S			51 01	1.1						
COB	IP	10	50	46.6	-0.7	1.30	241				
	S			51 05	0.1						
GNZ	IPN	10	50	48.5	-0.1	1.61	39				
	S			51 09	1.0						
TRZ	EPN	10	50	55	-1.7	2.18	66				

STATION		P	05 28 59	-0,2	2,22	90	4,3			
STATION		ES	05 30 34	-0,3	5,38	200	4,1			
JUL 16	H M S		39,40S 174,31E	255 KM	SE	1,4	AVG MAG	69/410		
			0,06	0,06				4,2		
	H M S	DIR	RES	DIST	AZ	M-A	W P	W S		
	10 52 33,9		0,1	0,24	335					
	10 52 39,0		-0,4							
	53 05,0		0,9	0,83	75		4,5	4,1		
	53 09,0		2,2							
	10 52 39,2		-0,1	1,43	149		4,3	4,6		
	53 08,0		-1,0							
	10 52 40,2		-1,0	1,68	29		3,5	3,6		
	53 11,5		-1,0							
	10 52 43,0		0,9	1,79	96		4,2	4,2		
	53 16,0		1,9							
	10 52 44,0		1,1	1,99	174		4,3	3,9	4,6	
	53 14,0		-1,6							
	53 18,0		0,3	2,84	76		4,4	4,6		
	53 30,5		-1,8							
JUL 16	H M S		42,99S 172,32E	12 KM	SE	1,4	AVG MAG	69/411		
			0,02	0,02				3,7		
	H M S	DIR	RES	DIST	AZ	M-A	W P	W S		
	11 42 56,1	N	-1,4	0,75	161		3,6			
	59,3		0,4							
	43 06,7		-1,0							
	11 42 59		0,4	0,81	304		3,3			
	43 10,5		0,9							
	12,2		-1,4							
	11 43 12		-0,2	1,68	233					
	14,8		1,4							
	17,6		2,0							
	34,3		1,0							
	40		-0,2							
	11 43 14,5		-1,0	1,92	9		4,1	3,1		
	15,6		0,4							
	18,0		-2,6							
	40,5		0,3	2,49	48		3,7	4,0	3,7	
	30,4									
	37,5		2,2							
	35		1,8							
	44 02			3,29	220		3,7	3,3		
	11 43 33,7		-1,1	3,35	46		3,9	3,3		
	40		-2,0							
	44 26		0,2							
	11 43 37,5		-0,7	3,60	241		3,4	3,1		
	34		-2,4							
	44 22		2,4							
	44		-1,0							
	11 44 31,5		-0,3	4,10	25		4,0	3,7		
	11 44 06,5		1,1	5,62	27					
	45 09		0,7							
JUL 16	H M S		36,27S 174,18E	12 KM	SE	0,3	AVG MAG	69/411		
			0,01	0,01				3,1		
	H M S	DIR	RES	DIST	AZ	M-A	W P	W S		
	14 06 13		0,1	0,52	16		2,8			
	19,5		-0,4							
	21,0		0,2							
	14 06 22,1		0,1	1,05	87					
	24,6		0,3							
	36		-0,2							

STATION		P	14 06 37,5	-0,3	1,97	147	3,3	3,3		
STATION		ES	07 13 <td>0,1</td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td>	0,1						
JUL 16	H M S		41,92S 171,88E	12 KM	SE	1,7	AVG MAG	69/415		
			0,03	0,03				3,8		
	H M S	DIR	RES	DIST	AZ	M-A	W P	W S		
	14 20 16,1		2							
	4 4 5		0,03							
	14 20 30,3		-0,1	0,70	210		3,5			
	39		1,2							
	40,2		0,2							
	45,7									
	14 20 34,2	U	-0,8	1,05	38		4,3	4,6		
	34,7		-1,6							
	49,2		0,0							
	14 20 52,7		-1,2	1,87	153		3,3			
	21 03									
	10		-0,1							
	13,7		-0,1							
	18		-1,1							
	14 21 25,2		-1,5	2,26	75		3,7	4,0	3,9	
	24		-3,2							
	29		1,8	2,32	206					
	14 20 55		1,5							
	58,3		2,1							
	21 23		3,7*							
	31		0,3	3,01	66		4,1	3,6		
	14 21 03									
	06,2		2,4							
	11		3,3							
	41		0,9							
	49									
	14 21 14		-2,0	3,33	36		3,8	3,7		
	14 21 14		-1,3	3,99	225		3,5	3,6		
	35,5		-0,5							
	22 01		-3,2							
	27,5		1,1	4,88	35					
	14 21 29		0,1							
	22 44,4									
JUL 16	H M S		32,46S 179,50E	473 KM	SE	2,6	AVG MAG	69/416		
			0,47	0,80	47			5,0		
	H M S	DIR	RES	DIST	AZ	M-A	W P	W S		
	21 02 42		-2,2	5,28	186			4,8		
	21 01 45,1		1,5	6,28	191					
	03 04		1,9							
	21 03 10		1,8	6,61	196					
	21 32 08,2		-1,5	8,76	200					
	03 46		-3,1							
	21 04 17,5		1,7	10,17	210					
	21 05 02		0,8	12,44	204			5,3		
JUL 17	H M S		38,48S 175,78E	161 KM	SE	0,8	AVG MAG	69/417		
			0,03	0,03	5			4,1		
	H M S	DIR	RES	DIST	AZ	M-A	W P	W S		
	03 12 21,5		-0,1	0,58	340		3,8	3,3		
	39,5		0,0							
	03 12 25,0		1,5	1,12	108		4,4	4,4		
	47,0		0,7							
	03 12 29,0		1,4	1,34	143		4,3	4,0		
	55,0		5,0*							
	03 12 32,0		0,1	1,76	96		3,8	4,3		
	37,0		-0,7							
	03 12 36,0	D	-0,3	2,15	186		4,2	4,2		
	13 05,0		-0,5							

STATION	EP	RES	DIST	AZ	M-A	W P	W S
ECZ	03 13 08.7	-1.0	2.32	71			
COB	03 12 34.0	0.6	3.51	221			
	13 35.0	=0.7					4.2
JUL 17 10 37 33.9 33.46S 176.42W 294 KM SE 0.5 AVG MAG 69/421							
	0.33	0.07					
ECZ	10 38 30.5	0.0	4.90	209			
GNZ	10 39 02.5	-0.7	5.93	208			
	12.5						4.3
TJA	10 39 06.3	-2.6*	6.43	213			
KRP	10 39 11.7	0.3	6.64	226			
TRZ	10 40 40.5	0.5	7.19	211			
CRZ	10 39 21.5	-0.0	7.46	260			
MNG	10 39 36.5	0.3	8.65	213			
	41 12	-0.4					
HEL	10 41 31.5	-0.5	9.51	213	5.3		
COB	10 41 50.5	-0.3	10.37	220			
GPZ	10 42 36.5	0.6	12.38	212	5.3		
JUL 17 13 51 53.6 33.65S 178.98E 463 KM SE 1.3 AVG MAG 69/421							
	0.06	0.12					
ECZ	13 54 05.5	-5.0*	4.05	185			
ONE	13 53 13.5	-0.4	4.36	240	4.7		
GNZ	13 53 20.8	0.2	5.04	199			
	22.3						
KRP	13 53 22.4	-0.4	5.10	212			
	54 27.5	2.0					4.6
CRZ	13 53 22.5	1.1	5.29	260			
TJA	13 53 24.9	1.6	5.36	196			
	54 32.3	-1.1					4.5
TRZ	13 53 31.3	0.5	6.14	196			
MNG	13 53 43.9	-0.1	7.50	201			
	45.7	-1.1					
HEL	13 53 53.0	3.2	8.32	202	5.7		
	55 29.5	-0.2					
COB	13 53 58.5	-0.5	8.93	212			
	55 39.5	-1.9					
KAI	13 56 16.5	1.9	10.66	212	5.4		
GPZ	13 56 27.5	0.8	11.18	204	5.7		
JUL 17 14 43 59.3 37.25S 176.83E 218 KM SE 1.9 AVG MAG 69/421							
	0.12	0.09					
KRP	14 44 33.2	0.4	1.23	236			
TJA	14 45 01.5	3.3	1.58	171			
GNZ	14 44 37.2	1.7	1.68	146			
	45 05.5	-0.3					3.8
TRZ	14 45 19.5	2.9	2.30	180			
MNG	14 44 55.3	-0.8	3.53	197			
	45 41.5	0.0					4.2
COB	14 45 12.5	-0.5	4.08	218			

LOCAL EARTHQUAKES

STATION	EP	RES	DIST	AZ	M-A	W P	W S
ECZ	20 55 03.5	0.06	173.79E	222 KM	SE	1.3	AVG MAG 69/421
	0.06	0.06					4.2
GNZ	20 55 36.5	-1.6	0.98	28			
TRZ	20 55 41.7	1.9	1.30	218			
COB	20 55 07.5	0.5					3.9
MNG	20 55 42.0	1.4	1.41	114			
	44.9						4.8
	51.5						4.1
	36 00.3						
	06.7						
HEL	20 55 43.5	-1.1	1.43	149			
	56 38.5	0.3					4.1
GNZ	20 55 42.4	0.1	1.61	38			
TRZ	20 55 50.4	0.5	2.39	79			
	56 23.3	-1.0					4.3
KAI	20 56 36.5	-1.5	3.05	215			
GNZ	20 56 03.0	-0.5	3.57	68			
	43.5	-4.9*					4.0
GPZ	20 56 51.2	-0.6	3.73	193			
MJZ	20 57 12.5	0.2	4.64	211			
MSZ	20 57 49.5	-0.8	6.34	221			
JUL 17 23 01 39.1 33.52S 178.32W 316 KM SE 1.5 AVG MAG 69/422							
	0.09	0.15					
ECZ	23 02 56.5	-0.5	4.89	211			
GNZ	23 03 08.5	0.4	5.91	209			
	22.5	-0.4					4.5
TJA	23 03 14.8	0.2	6.42	213			
	04 18.5	-0.5					5.0
ONE	23 03 20.1	2.8	6.44	247			
KRP	23 03 33.5	1.1	6.65	227			
TRZ	23 04 48.5	-0.7	7.18	212			
CRZ	23 03 26.5	-1.4	7.93	261			
MNG	23 03 41.5	-0.4	8.64	213			
	05 16.5	-1.7					
HEL	23 05 35.5	-1.7	9.80	213			
COB	23 05 55.5	-0.5	10.38	221			
GPZ	23 06 42.5	2.2	12.37	212			
JUL 18 00 36 26.5 33.47S 178.51W 277 KM SE 1.3 AVG MAG 69/423							
	0.07	0.15					
ECZ	00 37 42.0	0.1	4.85	209			
GNZ	00 37 54.5	-0.3	5.88	208			
TJA	00 38 00.5	-0.3	6.38	212			
	39 15.5	1.8					4.7
KRP	00 38 02.7	-0.2	6.98	226			
TRZ	00 38 10.3	0.4	7.14	210			
	39 32.5	0.9					
CRZ	00 38 12.3	-0.7	7.39	260			
MNG	00 38 16.5	2.5	7.47	218			
	00 38 27.5	-1.2	8.60	212			
	40 02.5	-1.7					
HEL	00 40 22.5	-1.0	9.46	212			
KAI	00 41 27.5	-0.4	12.04	218			
GPZ	00 41 27.5	-0.4	12.33	211			
MJZ	00 41 56.5	1.3	13.57	216			

JUL 18		H	M	S	40.42S	176.33E	12 KM	SE 1.1	AVG MAG	69/427
		H	M	S	0.03	0.04				
		H	M	S	DIR	RES	DIST	AZ	W-A	W P W S
MNG	IP	08	13	12.7	D	0.2	0.68	253	3.5	3.4
	S			22.0		0.1				
	SS			23.8		1.3				
TRZ	EP	08	13	19.0		0.0	0.94	23	3.3	3.3
	SS			33		1.2				
GNZ	PV	08	13	23.8		-0.5	1.36	333	3.8	3.7
	SV			41		-1.4				
	I			49.9						
HEL	IP	08	13	25		-1.0	1.47	233	2.8	3.5 3.1
	S			45		-0.6				
KRP	EP	08	14	16			2.37	346		
	SS			20		1.4				
	SS			25		-1.4				
COB	EP	08	13	51.5			2.82	255	3.5	3.3
	S			14 27		1.0				
FELT DAVNEVIRKE (63) MM III										
JUL 18		H	M	S	41.83S	174.17E	33 KM	SE 1.5	AVG MAG	69/427
		H	M	S	0.06	0.04				
		H	M	S	DIR	RES	DIST	AZ	W-A	W P W S
HEL	PV	12	46	20.5		0.1	0.71	39	3.2	3.6 3.7
	SV			30		0.1				
	S			31.3		-0.1				
COB	EP	12	46	29.4		0.7	1.31	304	3.9	3.1
	SV			32.7		1.3				
	SS			45		0.4				
	SS			50		0.9				
MNG	PV	12	46	34.9		2.7	1.57	40	4.1	3.7
	S			55.5		-1.1				
	SS			59.5						
KAI	ES	12	47	12		-2.6	2.17	250	3.2	
GNZ	P	12	46	56.0		-1.2	2.83	22	4.2	3.9
	SS			47 31.5						
	SS			35		0.5				
KRP	PV	12	47	06		-0.1	4.04	16		
	P			19.0		1.1				
	S			48 08		-2.8				
JUL 18		H	M	S	37.86S	177.20E	146 KM	SE 2.2	AVG MAG	69/427
		H	M	S	0.08	0.08				
		H	M	S	DIR	RES	DIST	AZ	W-A	W P W S
TUA	IP	18	00	52.1		0.5	0.95	182	4.5	4.6
	IS			01 14.0		3.9				
GNZ	P	18	00	52.0		-0.2	1.02	141	4.4	4.2
	I			56.2						
	S			01 08		-3.2				
ECZ	P	18	00	52.5		-0.3	1.08	82	4.6	4.3
KRP	IP	18	00	55.4		0.2	1.32	267		
	S			01 13.5		-2.8				
TRZ	ES	18	01	25		1.0	1.72	190	3.9	4.3
GNZ	P	18	01	04		2.9	1.86	223	4.1	4.0
TRZ						2.58	238		4.1	
MNG	EP	18	01	16.6		0.4	3.06	205	4.1	4.1
	I			25.0						
	S			52		-1.5				
HEL	S	18	02	12.5		-0.7	3.91	208	4.5	4.0 4.2
COB	IP	18	01	38.5		0.4	4.73	226	4.0	3.9
	SS			42.2						
	SS			02 34		1.5				
GPZ	ES	18	03	19.5		-2.3	6.78	209	4.3	

LOCAL EARTHQUAKES

JUL 18		H	M	S	39.12S	174.84E	213 KM	SE 1.2	AVG MAG	69/427
		H	M	S	0.05	0.09				
		H	M	S	DIR	RES	DIST	AZ	W-A	W P W S
KRP	P	19	31	51.0		0.1	1.31	25	3.8	3.8
	ES			32 17.0		0.0				
MNG	IP	19	31	54.5		1.3	1.58	162	4.3	4.2
	IS			32 21.5		0.7				
HEL	S	19	32	31.0		0.1	2.16	181	4.2	4.2
GNZ	S	19	32	04.0		1.1	2.53	80	4.0	4.5
	S			36.0		-2.1				
COB	IP	19	32	03.3		0.3	2.54	219	4.6	4.0
	S			38.0		-0.3				
GPZ	ES	19	33	27.0		-1.1	4.86	199	4.5	
JUL 19		H	M	S	39.15S	178.43E	12 KM	SE 0.5	AVG MAG	69/423
		H	M	S	0.02	0.04				
		H	M	S	DIR	RES	DIST	AZ	W-A	W P W S
GNZ	P	23	33	30.0		0.3	0.59	328	4.0	3.9
	S			38		-0.0				
TRZ	EP	23	33	42.5		0.2	1.31	251	4.0	3.9
	SS			34 00		0.8				
GNZ	EP	23	33	58		0.1	2.24	263	3.8	
	SS			34 03		-0.8				
MNG	EP	23	34	13		-0.2	2.70	236	3.4	
JUL 20		H	M	S	36.56S	178.64E	33 KM	SE 1.1	AVG MAG	69/429
		H	M	S	0.04	0.03				
		H	M	S	DIR	RES	DIST	AZ	W-A	W P W S
GNZ	IP	11	25	15.1		0.2	0.48	272		
	SV			20		0.0				
ECZ	PV	11	25	19.0		-0.6	0.97	356	4.5	4.4
	SV			33		1.2				
TRZ							1.47	237		4.0
GNZ	PV	11	25	40		-0.1	2.47	256	3.9	
	P			48		1.4				
KRP	EP	11	25	39.0		-2.2	2.55	286	3.8	3.7
	ES			26 21		-0.5				
MNG	PV	11	25	50		0.9	3.12	230		
	EP			58		0.3				
COB	PV	11	26	16		-0.7	5.15	240	4.4	
FELT TOLAGA BAY (27) MM IV										
JUL 20		H	M	S	34.54S	178.91E	313 KM	SE 1.0	AVG MAG	69/430
		H	M	S	0.09	0.10				
		H	M	S	DIR	RES	DIST	AZ	W-A	W P W S
ECZ	EP	22	47	56		0.5	3.16	185	4.9	5.1
	ES			43 42		0.6				
GNZ	P	22	48	05.5		-0.5	4.16	190	4.6	4.7
	S			59		-1.1				
KRP	EP	22	48	09		1.0	4.34	218	4.2	4.0
TRZ	ES	22	49	23		0.3	5.28	193	4.8	
GNZ	P						5.38	209	4.1	4.2
MNG	P	22	48	34.0		-0.9	6.65	203		
	ES			49 49		-2.9				
HEL	S	22	50	10		-0.1	7.49	205	5.7	
COB	P	22	48	53.0		-0.2	8.16	215		
	ES			50 24		-0.8				
GPZ	ES	22	51	15		1.8	10.36	206	5.7	
MNZ	ES	22	51	37.5		-0.4	11.48	212		

JUL 21	H	M	S	33.95S	178.97W	344 KM	SE 2,2	AVG MAG	69/ 435										
									W-A	W P	W S	W S							
	04	42	06.5	0.13	0.15	25													
							DIR	RES	DIST	AZ									
ECZ				04	43	18		-3.2	4.24	208									
				44	18			3.6											
GNZ				04	43	27.0		-2.4	5.27	207									
				44	32			-2.6											
TUA				04	43	34		-1.1	5.77	212									
				44	43			-1.5											
KRP				04	43	38		0.7	5.96	227									
				44	49			0.4											
CRZ				04	43	50		1.3	6.93	264									
COB				04	46	09		0.5	9.70	220									
CIZ				04	46	20		1.4	10.16	170									
GPZ									11.71	211									

JUL 21	H	M	S	38.79S	175.70E	175 KM	SE 1,4	AVG MAG	69/ 435											
									W-A	W P	W S	W S								
	15	27	01.4	0.03	0.04	7														
							DIR	RES	DIST	AZ										
WAZ				15	27	26		0.8	0.35	63										
GNZ				15	27	26.6	U	1.1	0.42	196										
KRP				15	27	28.0	DSE	0.1	0.88	351										
						46.0		-2.3												
TNZ				15	27	32		2.4	1.10	249										
TRZ				15	27	31.5	U	1.5	1.15	131										
						52		-0.1												
GNZ				15	27	37.0	U	0.5	1.82	86										
ECZ				15	27	44.0		-0.2	2.49	65										
						28.15		-2.1												
HEL				15	27	46.0		0.5	2.99	196										
						28.19		-0.4												
ONE				15	27	54		1.1	3.20	340										
						28.32		-0.5												
COB				15	27	54.0		0.7	3.23	224										
						28.34		0.7												
KAI				15	29	10		-2.7	4.96	220										
GPZ				15	29	19		-4.5	5.41	204										
MJZ				15	29	36.0		0.1	6.91	216										
MSZ				15	29	00		0.9	8.26	222										
MWH				15	29	11		-0.3	9.19	218										
						30.51		-1.9												

FELT MAUNGATANIWA (52), AND DANNEVIRKE (63) MM IV

JUL 23	H	M	S	36.59S	178.23E	245 KM	SE 1,0	AVG MAG	69/ 437											
									W-A	W P	W S	W S								
	05	01	35.8	0.09	0.13	12														
							DIR	RES	DIST	AZ										
ECZ				05	02	11.0		-0.4	1.13	167										
						33		-1.0												
GNZ				05	02	19.0		0.2	2.06	189										
						52.0		-3.0												
TUA				05	02	23.0		1.2	2.38	201										
						58		0.4												
KRP				05	02	23.8		0.3	2.53	237										
TRZ				05	03	14		1.5	3.16	200										
GNZ									3.36	218										
MVG				05	02	46.0		-0.7	4.56	207										
						03.41.0		-0.9												
COB				05	04	18		-0.5	6.21	222										

JUL 23	H	M	S	37.33S	176.67E	295 KM	SE 0,8	AVG MAG	69/ 437											
									W-A	W P	W S	W S								
	18	41	01.7	0.06	0.07	9														
							DIR	RES	DIST	AZ										
KRP				18	41	41.6		-0.5	1.07	236										

LOCAL EARTHQUAKES

JUL 21	H	M	S	39.02S	177.59E	12 KM	SE 1,1	AVG MAG	69/ 435											
									W-A	W P	W S	W S								
	23	50	30.3	0.03	0.03	7														
							DIR	RES	DIST	AZ										
TUA				23	50	37.2		-1.0	0.40	301										
						43.8		-0.1												
GNZ				23	50	39.0		-1.0	0.50	43										
						48		0.9												
ECZ				23	51	03		1.9	1.52	30										
KRP				23	51	03		0.6	1.94	303										
						05		0.4												
MVG				23	51	05.4		-1.5	2.28	225										
						35		0.8												
COB				23	51	45		0.7	4.26	239										

JUL 24	H	M	S	32.79S	179.30E	311 KM	SE 2,5	AVG MAG	69/ 436											
									W-A	W P	W S	W S								
	02	27	37.3	0.13	0.15	18														
							DIR	RES	DIST	AZ										
ECZ				02	28	56		1.1	4.93	187										
						29.57		1.3												
GNZ				02	29	07.0		0.4	5.93	190										
						30.13		-3.7												
KRP				02	29	08.0		0.9	5.97	210										
						30.21		3.4												
TNZ				02	29	29		3.1	7.92	211										
MVG				02	29	31.9		-4.5	8.39	200										
						34														
						31.09		-1.2												
HEL				02	29	44.0		-2.5	9.22	202										
						31.27		-1.5												
COB				02	29	52.0		-1.7	9.80	211										
						31.43		1.6												
KAI				02	32	21		1												

		09 09	35.0	0.3	2.74	234	3.4	3.3
MJZ	EP SN							
GNZ	ES	09 10	35.4	-0.2	3.57	26		
JUL 24	H M S	44.505	168.12E	12 KM	SE	1.5	AVG MAG	69/ 42
		0.04	0.04	R				3.8
	H M S	15 54	41.9	4	4	5	DIR	RES
								DIST
MSZ	IP	15 54	46.0	-0.8	0.22	220	W-A	W P W S
ROX	PN	15 55	04.6	-0.9	1.29	139		3.7 3.9
	S		22.0	-0.5				
	SG		24.0	-1.7				
MNH	PN	15 55	05.4	-0.5	1.33	195		3.9 3.7
	SN		24	0.3				
MJZ	PN	15 55	12.0	0.4	1.76	74		3.9 3.8
WPZ	SN		34.4	0.9				
GPZ	S	15 55	53.0	2.7	2.22	167		4.0 4.3
					3.36	78		
JUL 25	H M S	45.195	167.08E	12 KM	SE	1.1	AVG MAG	69/ 43
		0.03	0.04	R				4.3
	H M S	06 03	24.2	4	4	5	DIR	RES
								DIST
MNH	IP	06 03	37.1	-0.2	0.71	147	W-A	W P W S
MSZ	P	06 03	37.0	-1.7	0.79	50		4.6
ROX	EP	06 03	53	0.2	1.61	101		4.0 4.2
	SG		57.0	0.2				
	SG		04 18.0	-0.5				
WPZ	EP	06 03	58	-0.2	1.93	141		4.1 4.2
	S		04 24	0.3				
MJZ	EP	06 04	13.2	1.7	2.70	68		3.9 3.6
	S		48.0	1.0				
GPZ	ES	06 05	47	-0.7	4.26	71		4.5
COB	ES	06 05	59	3.3	5.82	47		4.4 4.2
HEL	ES	06 06	54	2.7	6.84	58		5.2
JUL 26	H M S	34.065	176.55W	264 KM	SE	1.3	AVG MAG	69/ 44
		0.06	0.07	13				5.2
	H M S	20 49	29	4	4	5	DIR	RES
								DIST
ECZ	P	20 49	29	0.5	4.32	212	W-A	W P W S
GNZ	P	20 49	39.8	-1.0	5.34	210		5.3 5.1
	S		50 46	1.9				4.8 4.7
TUA	P	20 49	46.0	-1.2	5.87	215		5.3 5.1
	ES		50 55	-0.6				
ONE	P	20 49	56	-0.6	6.07	252		5.3
TRZ	P	20 49	56	0.2	6.62	213		
	ES		51 12.5	0.2				
GNZ	P	20 50	01.0	-0.1	6.99	221		5.3 5.1
CRZ	EP	20 50	07	2.2	7.27	265		4.8 4.7
TRZ	EP	20 50	04	-5.5	7.65	226		
MNH	EP	20 50	14	-1.0	8.09	214		
	S		51 45	-0.4				
HEL	EP	20 50	25	-0.8	6.95	214		5.9
	S		52 35.0	-1.7				
COB	ES	20 52	25.5	0.4	9.85	222		5.3 5.1
QIZ	S	20 52	30	1.4	10.00	172		
GPZ	ES	20 53	09	-0.5	11.81	213		5.7
MJZ	S	20 53	39	1.4	13.07	217		
JUL 27	H M S	46.535	166.51E	12 KM	SE	1.2	AVG MAG	69/ 44
		0.05	0.06	R				3.8
	H M S	10 37	08.0	4	4	5	DIR	RES
								DIST
MNH	P	10 37	26.0	-1.5	1.08	46	W-A	W P W S
	S		41.5	-3.5				3.9 4.0
WPZ	ES	10 37	56	-0.4	1.62	95		4.0
	SG		58 03	0.4				

		10 37	43.0	0.6	2.11	28	3.5	3.5
MSZ	PN							
	SN	10 37	09.5	1.7				
	S		11.5	-1.5				
ROX	EP	10 37	46.0	-1.2	2.22	63		4.0 3.9
	SN		38 11	0.4				
MJZ	EP	10 38	15	1.2	3.78	49		3.6 3.5
	SN		39 04	0.8				
JUL 28	H M S	39.785	173.98E	149 KM	SE	1.3	AVG MAG	69/ 442
		0.05	0.06	R				3.9
	H M S	01 51	19.3	4	4	5	DIR	RES
								DIST
TRZ	EP	01 51	40	-0.7	0.67	27	W-A	W P W S
	ES		59	1.1				3.8 3.5
	P		01 51	49.0	-1.5	1.34		3.7 3.6
GNZ	IP	01 51	48.3	1.0	1.42	126		4.2 4.0
MVZ	IS	01 51	08.7	-0.8				
COB	P	01 51	49.3	-0.8	1.61	216		4.1 4.0
	S		52 12.5	-0.7				
HEL	EP	01 51	51	1.7	1.62	159		3.8 3.9 4.2
	ES		52 13	-0.2				
GPZ	ES	01 53	01	-6.2	4.04	194		4.5
JUL 28	H M S	38.645	175.80E	164 KM	SE	1.4	AVG MAG	69/ 443
		0.05	0.05	10				4.2
	H M S	14 19	41.6	4	4	5	DIR	RES
								DIST
GNZ	P	14 20	06.3	1.1	0.59	199	W-A	W P W S
KRP	IP	14 20	06.0	-0.1	0.74	344		4.1 3.4
	S		24.0	-0.9				
TRZ	EP	14 20	11	1.2	1.21	139		4.0 4.2
	S		33	1.5				
TRZ	P	14 20	11.7	1.7	1.23	243		4.1
GNZ	EP	14 20	15	-0.1	1.74	91		3.7 3.9
	IS		39	-1.9				
MNH	IP	14 20	19.5	1.7	1.99	187		4.8 4.3
	IS		44.8	-1.0				
HEL	P	14 20	27.0	-0.2	2.76	196		4.3 4.2 4.1
	S		21 01	-1.2				
COB	S	14 20	34.0	-1.3	3.40	223		4.2 4.2
	S		21 16	-0.5				
GPZ	S	14 22	02	-5.5	5.58	204		4.8
JUL 29	H M S	38.485	175.88E	166 KM	SE	1.0	AVG MAG	69/ 444
		0.04	0.04	11				3.9
	H M S	07 27	02.5	4	4	5	DIR	RES
								DIST
KRP	P	07 27	25.8	-0.6	0.42	334	W-A	W P W S
	S		45	0.2				3.6 3.3
GNZ	IP	07 27	28.3	1.1	0.76	200		3.6 3.3
TRZ	P	07 27	32.6	1.0	1.30	145		4.2 4.0
GNZ	S	07 28	00	-1.0	1.69	96		3.7
MNH	IP	07 27	41.0	0.3	2.15	188		4.0 3.7
	S		28 10	-0.1				
HEL	ES	07 28	27	0.1	2.93	197		4.4 3.9
COB	S	07 28	40	-1.0	3.55	222		4.0
GPZ	ES	07 29	26	-6.4	5.75	204		4.6
JUL 29	H M S	41.865	172.02E	12 KM	SE	1.5	AVG MAG	69/ 445
		0.05	0.05	R				3.6
	H M S	08 50	09	4	4	5	DIR	RES
								DIST
KAI	EP	08 50	09	0.1	0.80	214	W-A	W P W S
	S		18.3	0.0				3.4
	SG		19.8	0.0				
COB	P	08 50	10.8	1.1	0.94	35		3.6 4.1
	S		23.3	0.8				
HEL	ES	08 51	04	-0.8	2.14	75		3.6 3.7 3.8

		H	M	S			DIR	RES	DIST	AZ	M-A	W P	W S
MJZ	EPN	08	50	33,0	2,0	2,41	208				3,4	3,1	
	ESN	51	01		1,4								
MNG	EPN	08	50	45	1,9	2,89	66				3,6	3,1	
	EPG			50	-1,0								
	ESN	51	21		-0,1								
GNZ	SN	08	51	58	-2,0	3,78	47						
MSZ	EPN	08	51	39	-1,7	4,10	225						
	ESS	52	09		-1,8								
JUL 29	4 H S	11	12	18,7	41,395	172,04E	12 KM	SE	1,3	AVG MAG	69/44		
				0,5	0,04	0,04	R				3,7		
	4 H S						DIR	RES	DIST	AZ	M-A	W P	W S
KAI	EPN	11	12	34,0	0,8	0,79	216				3,7	4,1	
	SN			44,0	0,0								
	SSN			45,0	-0,4								
COB	PN	11	12	36,8	0,5	0,96	33				4,0	4,1	
	SN			49,0	-0,2								
GPZ	EPN	11	12	37	0,7	1,86	166				3,3		
	SN			13	0,9								
HEL	EPN	11	13	01	-0,9	2,14	74				3,6	3,7	3,8
	SN			17	-2,2								
MJZ	EPN	11	12	59	2,1	2,39	208				3,4	3,1	
	SN			13	1,7								
MNG	EPN	11	13	10	0,7	2,89	65				3,7	3,3	
	SN			48	0,7								
MSZ	EPN	11	14	05	-1,6	4,09	226						
	SN			39	-1,6								
JUL 29	4 H S	15	34	54,7	40,595	176,55E	12 KM	SE	1,2	AVG MAG	69/40		
				0,5	0,02	0,02	R				4,1		
	4 H S						DIR	RES	DIST	AZ	M-A	W P	W S
MNG	IPN	15	35	10,7	1,0	0,81	268						
	SN			24	1,3								
TRZ	PN	15	35	14,8	0,9	1,06	12				4,2	4,1	
	SN			29	0,9								
HEL	EPN	15	35	21,0	-0,7	1,52	242				3,7	3,9	4,1
	SN			40,0	-0,8								
GNZ	PN	15	35	22,8	0,7	1,59	331						
TUA	EPN	15	35	54	2,3	1,84	15						
TMZ	EPN	15	35	33	-0,1	2,18	309				4,3	4,0	
	EPG			39	0,2								
	SN			36	-0,8								
GNZ	EPN	15	35	30	-1,2								
	EPG			39	-1,0	2,25	31				3,8	3,9	
	SN			57	-1,3								
KRP	EPN	15	35	45,0	1,7	2,77	343				3,9	3,8	
	EPG			36	-1,1								
	SN			27	-1,3								
COB	EPN	15	35	41	0,5	2,03	259				4,2	4,0	
	SN			36	1,0								
GPZ	EPN	15	35	42	-4,4	4,25	222				4,4		
MJZ	SN	15	37	19	-1,0	5,64	231				3,8	3,6	
JUL 31	4 H S	10	06	18,0	39,946	176,79E	33 KM	SE	1,1	AVG MAG	69/41		
				0,4	0,02	0,02	R				4,1		
	4 H S						DIR	RES	DIST	AZ	M-A	W P	W S
TRZ	PN	10	06	26,9	-0,2	0,38	4						
	SN			26,0									
	EPN			33	0,0								
TUA	EPN	10	06	37	-0,1	1,16	14				4,1	4,3	
	EPN			50	-1,5								
GNZ	PN	10	06	38,0	0,2	1,21	307						
	EPN			55	-1,5								
MNG	EPN	10	06	39,0	1,2	1,21	235				3,9	3,9	

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		H	M	S			DIR	RES	DIST	AZ	M-A	W P	W S
	50												
GNZ	EPN	10	06	43,0	-0,3	1,61	37				4,8	4,9	
	SN			07	0,7								
TMZ	EPN	10	06	53	-0,6	2,01	291				4,0	3,9	
	EPG			57,6									
HEL	EPN	10	06	51	0,5	2,04	228				3,9	4,1	4,1
	SN			07	1,7								
KRP	EPN	10	06	51,0	-0,8	2,23	334				3,8	3,6	
	SN			57,6	0,3								
	EPG			07	2,0								
COB	EPN	10	07	07	0,5	3,30	248				4,0	3,8	
	SN			10	-1,1	4,87	218				4,7		
MJZ	EPN	10	08	53	-0,9	6,21	227						
FELT	WAIHARE (51)	M	M	IV									
JUL 31	4 H S	10	13	08,2	40,395	176,90E	12 KM	SE	1,1	AVG MAG	69/449		
				0,5	0,02	0,03	R				4,1		
	4 H S						DIR	RES	DIST	AZ	M-A	W P	W S
TRZ	PN	10	13	27,9	0,8	1,04	357						
	SN			42,0	0,8								
MNG	IPN	10	13	27,2	-0,5	1,08	268				4,5	4,4	
	EPN			40	-2,3								
GNZ	PN	10	13	36,0	-1,6	1,74	323						
	EPN			59	-0,3								
HEL	EPN	10	13	38,2	0,4	1,76	246				3,7	4,1	4,1
	EPG			45	1,2								
	SN			14	0,3								
TUA	EPN	10	13	58	-2,6	1,79	6				4,1	4,3	
GNZ	EPN	10	13	43,5	0,6	2,13	24				3,8	3,8	
	EPG			52	0,6								
	EPN			14	-0,6								
	EPN			18	-2,2								
	EPN			12	-2,0								
TMZ	EPN	10	13	46,8	0,4	2,39	305				4,2	4,2	
	EPN			50,5	0,3								
	EPG			57	0,4								
	EPN			14	0,8								
KRP	EPN	10	13	54	0,2	2,87	338				3,8	3,7	
	EPN			22	0,9								
	EPN			58,5	0,1								
COB	EPN	10	13	36	-0,0								
	EPN			14	0,6	3,20	260				4,1	4,0	
	EPN			14	1,0								
GPZ	EPN	10	15	00	-4,2	4,43	224				4,4		
MJZ	EPN	10	15	37	-1,4	5,85	232						3,5
FELT	ROTOKAI STATION (64)	MM	III										
JUL 31	4 H S	10	41	47,0	48,708	165,89E	33 KM	SE	1,1	AVG MAG	69/450		
				1,5	0,10	0,12	R				4,2		
	4 H S						DIR	RES	DIST	AZ	M-A	W P	W S
MNH	PN	10	42	33,2	-0,3	3,15	23						
	EPN			42	-0,2								
	EPN			43	0,4								
	EPN			08	-0,9								
	EPN			15									
ROX	EPN	10	42	44	-0,9	3,99	37				4,3	4,2	
	EPN			58	1,5								
	EPN			43	0,7								
MSZ	PN	10	42	49,0	0,3	4,26	20				4,3	4,1	
	EPN			54									
	SN			43	1,0								
MJZ	EPN	10	44	09	-1,2	5,68	36						

JUL 31		H	M	S	41,99S 175,14E 33 KM SE 1.3			AVG MAG	69/451 3.7		
		+ 0.7			0.04 0.05						
		H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S
WEL	IPN	11 43	51.0	U	-0.4	0.76	338		3.4	4.0	4.1
	SN	11 44	00.2		-1.2						
MNZ	PN	11 44	00.0		-0.2	1.39	11		3.5	3.8	
	E		06.5								
	SN		15		-2.0						
COB	PN	11 44	09		0.3	2.02	296		3.9	3.7	
	SN		32		-0.0						
GPZ	SN	11 44	43		-0.9	2.50	226		3.5		
TNZ	E	11 44	23			2.86	348		4.2	3.9	
	ESN		34		1.4						
MJZ	SN	11 45	20		0.4	3.96	238			3.4	
GNZ	SN	11 45	21		0.5	4.00	34			3.7	
KRP	PN	11 44	39		2.1	4.07	4		3.7		
JUL 31		H	M	S	41,95S 171,93E 12 KM SE 0.8			AVG MAG	69/451 3.8		
		+ 0.3			0.02 0.03						
		H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S
KAI	EPG	23 51	58		0.2	0.70	214		3.6		
	IS		52		0.7						
COB	EP	23 52	01.8	U	-0.8	1.05	35		4.5	4.3	
	S		19.3		-0.2						
GPZ	EPN	23 52	14		-0.1	1.83	164		3.4		
	EPG		22.0								
	SN		37		0.3						
WEL	EP	23 52	22		-0.8	2.23	74		3.8	4.0	4.1
	EPG		27		-1.7						
	E		54.5								
MJZ	EP	23 52	23		-1.1	2.31	207		3.5	3.3	
	PS		28		-2.2						
	S		54		-0.5						
MNZ	EP	23 52	36		0.2	2.99	65		4.0	3.7	
	EP		53		0.0						
TNZ	ESG	23 53	36		0.2	3.33	35		4.2	3.8	
GNZ	ES	23 53	42		-0.1	3.89	46		4.0	4.1	
	ESG		55		0.4						
MSZ	ESN	23 53	29		-0.2	4.00	226		3.6	3.5	
KRP	EPN	23 52	56		0.5	4.88	36		3.8	3.7	
	ESN		53		1.5						
AUG 01		H	M	S	38,74S 175,71E 143 KM SE 0.9			AVG MAG	69/451 3.9		
		+ 1.0			0.03 0.03						
		H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S
KRP	P	15 45	10.3		-0.4	0.82	390		3.7	3.2	
	S		28		-0.3						
TUA	P	15 45	14		0.5	1.13	94		4.3	4.3	
	ES		34		0.9						
TNZ	P	15 45	14.7		1.2	1.13	246		3.5		
GNZ	P	15 45	20.4		-0.3	1.81	88		3.4	3.8	
	S		45.0		-1.0						
MNZ	S	15 45	22.7		0.4	1.89	185		4.4	4.3	
	S		47.1		-0.4						
WEL	S	15 46	18		-0.7	2.65	196		3.9	4.2	
COB	S					3.28	223		4.0		
AUG 02		H	M	S	39,35S 175,23E 95 KM SE 1.4			AVG MAG	69/451 3.9		
		+ 1.3			0.04 0.06						
		H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S
GNZ	IP	11 10	21.8		0.5	0.29	59				
TNZ	P	11 10	24.9		0.9	0.68	284		3.4	3.4	
MNZ	IP	11 10	31.5	U	0.5	1.28	171		4.4	4.2	

LOCAL EARTHQUAKES

AUG 03		H	M	S	38,34S 174,28E 33 KM SE 1.1			AVG MAG	69/455 4.5		
		+ 0.4			0.02 0.03						
		H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S
TNZ	IPN	00 49	51.3	U	-1.5	0.85	175			5.1	4.9
	P		54		-0.2						
KRP	IPN	00 49	55.6	DSH	-0.3	1.07	67			4.8	5.0
	P		57.3		-0.5						
	SN		50 07.5		-1.8						
GNZ	IPN	00 49	56.0	U	-3.1	1.31	131				
TUA	EPN	00 50	14		1.4	2.79	103			4.5	
MNZ	IPN	00 50	14.8	D	-0.0	2.45	158			4.8	4.5
	P		21		-0.2						
	SN		42		-0.8						
	S		52		-1.6						
DNE	P	00 50	24		0.9	2.56	1			3.3	3.4
	S		56.8		-0.1						
GNZ	PN	00 50	22.5		0.9	2.95	97			4.2	
	P		31		1.3						
WEL	PN	00 50	23.0		1.2	2.96	173		4.5	5.1	4.7
	P		30.0		0.1						
	SN		36.5		1.3						
	SN		51 10		1.2						
COB	PN	00 50	23.0		0.8	2.99	203			4.6	4.7
	P		29.5		-0.9						
	SN		55		-0.9						
KAI						4.72	207			4.5	
FELT NORTHERN TARANAKI, MAXIMUM INTENSITY MM IV											
AUG 03		H <td>M <td>S <td colspan="3">38,47S 175,82E 190 KM SE 0.9</td> <td>AVG MAG</td> <td colspan="3">69/456 4.5</td> </td></td>	M <td>S <td colspan="3">38,47S 175,82E 190 KM SE 0.9</td> <td>AVG MAG</td> <td colspan="3">69/456 4.5</td> </td>	S <td colspan="3">38,47S 175,82E 190 KM SE 0.9</td> <td>AVG MAG</td> <td colspan="3">69/456 4.5</td>	38,47S 175,82E 190 KM SE 0.9			AVG MAG	69/456 4.5		
		+ 0.7			0.02 0.03						
		H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S
KRP	IP	19 55	31.9		DSE	0.3	0.59	337		4.7	3.8
	S		52.0		0.0						
GNZ	P	19 55	33.5		1.0	0.76	196			4.5	4.3
TUA	P	19 55	35		0.3	1.09	109			4.7	4.6
	S		57.5		-0.1						
TNZ	P	19 55	38.6		1.9	1.34	237			4.3	3.9
GNZ	IP	19 55	40.4		-0.0	1.73	97			4.5	4.5
	S		56 07		-0.7						
MNZ	P	19 55	45.0		0.0	2.16	187			4.7	4.1
	S		56 15		-0.8						
DNE	P	19 55	54		-0.0	2.93	336		4.2		
	S		55 31		-0.8						
WEL	P	19 55	53.8		-0.2	2.93	196		4.5	4.8	4.8
	S		56 32		0.2						
COB	P	19 55	59		-2.4	3.54	221			4.1	4.7
	S		56 43.6		-1.2						
KAI						5.27	218			4.8	
AUG 04		H <td>M <td>S <td colspan="3">38,37S 176,10E 121 KM SE 1.7</td> <td>AVG MAG</td> <td colspan="3">69/457 4.0</td> </td></td>	M <td>S <td colspan="3">38,37S 176,10E 121 KM SE 1.7</td> <td>AVG MAG</td> <td colspan="3">69/457 4.0</td> </td>	S <td colspan="3">38,37S 176,10E 121 KM SE 1.7</td> <td>AVG MAG</td> <td colspan="3">69/457 4.0</td>	38,37S 176,10E 121 KM SE 1.7			AVG MAG	69/457 4.0		
		+ 1.2			0.05 0.05						
		H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S
GNZ	IP	10 09	23.8	D	1.0	0.76	214			3.9	4.0
	S		38		-0.3						
KRP	P	10 09	23.2		1.2	0.78	325			4.0	3.3
	S		37.7		-0.9						

AUG 19		H	M	S	39.10S 176.68E		12 KM	SE	0.6	AVG MAG 69/40	
		H	M	S	0.02 0.03		2			3.8	
		H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
GNZ	IP*	05	40	26.8	USW	-0.1	0.69	311			
	IS*			36.1		-0.2					
TJA	E(P3)	05	40	39.6		0.7	1.23	283			
GNZ	SV	06	41	20.8		-1.0	2.44	267			
	S*			29.2		0.3					
	SG			36.2		-0.0					
MNG	PV	06	47	58.0		-1.2	2.49	237			
	SV			41 33.3		0.2			3.6	3.4	
AUG 20		H <td>M <td>S <td colspan="2">40.01S 176.54E</td> <td>12 KM</td> <td>SE</td> <td>1.7</td> <td colspan="2">AVG MAG 69/40</td> </td></td>	M <td>S <td colspan="2">40.01S 176.54E</td> <td>12 KM</td> <td>SE</td> <td>1.7</td> <td colspan="2">AVG MAG 69/40</td> </td>	S <td colspan="2">40.01S 176.54E</td> <td>12 KM</td> <td>SE</td> <td>1.7</td> <td colspan="2">AVG MAG 69/40</td>	40.01S 176.54E		12 KM	SE	1.7	AVG MAG 69/40	
		H <td>M <td>S <td colspan="2">0.04 0.05</td> <td>2</td> <td colspan="2"></td> <td colspan="2">3.8</td> </td></td>	M <td>S <td colspan="2">0.04 0.05</td> <td>2</td> <td colspan="2"></td> <td colspan="2">3.8</td> </td>	S <td colspan="2">0.04 0.05</td> <td>2</td> <td colspan="2"></td> <td colspan="2">3.8</td>	0.04 0.05		2			3.8	
		H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td>	DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td>	AZ <td>W-A <td>W P</td> <td>W S</td> </td>	W-A <td>W P</td> <td>W S</td>	W P	W S
TRZ	PG	01	21	13.4		1.4	0.50	26			
	IS*			14.2		1.5					
	PV			15.2		0.2					
	IS*			20.8		1.7					
	SG			22.1		2.4					
	IS*			24.4							
	IS*			44.0							
MNG	P*	01	21	21.0	U	1.1	1.01	233			
	IS*			23.3					3.9	3.1	
	IS*			24.9		2.0					
	IS*			36.5		1.6					
	IS*			41.3							
	IS*			46.5							
GNZ	IP*	01	21	23.2	U	0.8	1.11	316			
	S*			38.2		1.8					
TJA	SG	01	21	39.3		-2.9	1.29	22			
	SV			43.2		-2.7					
GNZ	SV	01	21	52.0		-2.4	1.78	41			
WEL	SV	01	21	46.6			1.86	225	3.5	4.0	4.1
	SV			59.7		-0.4					
	S*			59.5		-0.2					
	SG			22 03.9		-1.2					
COB	PV	01	21	49.3		-0.3	3.09	248			
	SV			22 24.8		-1.2			3.9	3.1	
	S*			35.3		-1.6					
	SG			45.0		-0.6					
AUG 20		H <td>M <td>S <td colspan="2">37.90S 176.83E</td> <td>12 KM</td> <td>SE</td> <td>1.8</td> <td colspan="2">AVG MAG 69/40</td> </td></td>	M <td>S <td colspan="2">37.90S 176.83E</td> <td>12 KM</td> <td>SE</td> <td>1.8</td> <td colspan="2">AVG MAG 69/40</td> </td>	S <td colspan="2">37.90S 176.83E</td> <td>12 KM</td> <td>SE</td> <td>1.8</td> <td colspan="2">AVG MAG 69/40</td>	37.90S 176.83E		12 KM	SE	1.8	AVG MAG 69/40	
		H <td>M <td>S <td colspan="2">0.04 0.03</td> <td>2</td> <td colspan="2"></td> <td colspan="2">3.9</td> </td></td>	M <td>S <td colspan="2">0.04 0.03</td> <td>2</td> <td colspan="2"></td> <td colspan="2">3.9</td> </td>	S <td colspan="2">0.04 0.03</td> <td>2</td> <td colspan="2"></td> <td colspan="2">3.9</td>	0.04 0.03		2			3.9	
		H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td>	DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td>	AZ <td>W-A <td>W P</td> <td>W S</td> </td>	W-A <td>W P</td> <td>W S</td>	W P	W S
TJA	P*	01	47	53.6		-1.8	0.94	155			
	PV			34.8		-2.4					
	PG			56.2		-1.2					
	S*			05.3		-1.9					
	SV			04.5		-2.6					
	SG			11.0		0.9					
KRP	EP*	01	47	55.1		-1.5	1.02	268			
	SV			57.3		-0.9			3.7	3.3	
	S*			48 12.2		1.5					
	IS*			16.3							
GNZ	PV	01	47	59.8		-0.7	1.20	129			
	P*			48 01.1		1.3			4.3	4.3	
	PG			04.9		2.3					
	SV			17.6		0.6					
	SG			20.5		1.8					
ECZ	PV	01	48	03.3		1.4	1.37	82			
	SG			25		0.3			4.5	4.2	
	IS*			28.8							
GNZ	P*	01	48	10.1		2.7	1.64	217			

LOCAL EARTHQUAKES

	PG					13.0			1.5			
	E					18.7						
	SG					35.8			2.1			
	IS*					42.8						
	IS*					47.0						
MNG	EP*	01	48	27.0					-2.1	2.91	201	3.5
FELT	WAKATANE (27)											
AUG 22		H <td>M <td>S <td colspan="2">36.32S 177.67E</td> <td>292 KM</td> <td>SE</td> <td>1.5</td> <td colspan="2">AVG MAG 69/484</td> </td></td>	M <td>S <td colspan="2">36.32S 177.67E</td> <td>292 KM</td> <td>SE</td> <td>1.5</td> <td colspan="2">AVG MAG 69/484</td> </td>	S <td colspan="2">36.32S 177.67E</td> <td>292 KM</td> <td>SE</td> <td>1.5</td> <td colspan="2">AVG MAG 69/484</td>	36.32S 177.67E		292 KM	SE	1.5	AVG MAG 69/484		
		H <td>M <td>S <td colspan="2">0.06 0.10</td> <td>13</td> <td colspan="2"></td> <td colspan="2">4.2</td> </td></td>	M <td>S <td colspan="2">0.06 0.10</td> <td>13</td> <td colspan="2"></td> <td colspan="2">4.2</td> </td>	S <td colspan="2">0.06 0.10</td> <td>13</td> <td colspan="2"></td> <td colspan="2">4.2</td>	0.06 0.10		13			4.2		
		H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td>	DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td>	AZ <td>W-A <td>W P</td> <td>W S</td> </td>	W-A <td>W P</td> <td>W S</td>	W P	W S	
GNZ	P	23	43	05.8		-0.5	1.77	273				
GNZ	SV	23	43	09.4		-2.0	2.34	173				
	IS*			43					3.8	3.8		
	IS*			49					4.7	4.7		
KRP	IS*	23	43	13.2	USW	2.2	2.34	226				
	IS*			49		-0.4						
TJA	IS*	23	43	13		0.3	2.52	189				
	IS*			23					4.2	4.1		
	IS*			54		1.6						
	IS*			13		-1.7	2.74	280				
DNE	IS*	23	43	21		0.6	3.30	192				
TRZ	IS*			44 06		-0.2						
GNZ	IS*	23	43	29.5			3.34	210				
	IS*			44 07		0.2			4.0	3.8		
MNG	IS*	23	43	36		0.9	4.63	201				
	IS*			44 31		-1.5			3.8	4.1		
WEL	IS*	23	44	49		-1.0	5.46	204				
COB	IS*	23	45	06		1.4	6.13	218				
AUG 23		H <td>M <td>S <td colspan="2">31.89S 179.79W</td> <td>468 KM</td> <td>SE</td> <td>1.5</td> <td colspan="2">AVG MAG 69/485</td> </td></td>	M <td>S <td colspan="2">31.89S 179.79W</td> <td>468 KM</td> <td>SE</td> <td>1.5</td> <td colspan="2">AVG MAG 69/485</td> </td>	S <td colspan="2">31.89S 179.79W</td> <td>468 KM</td> <td>SE</td> <td>1.5</td> <td colspan="2">AVG MAG 69/485</td>	31.89S 179.79W		468 KM	SE	1.5	AVG MAG 69/485		
		H <td>M <td>S <td colspan="2">0.20 0.38</td> <td>33</td> <td colspan="2"></td> <td colspan="2">4.2</td> </td></td>	M <td>S <td colspan="2">0.20 0.38</td> <td>33</td> <td colspan="2"></td> <td colspan="2">4.2</td> </td>	S <td colspan="2">0.20 0.38</td> <td>33</td> <td colspan="2"></td> <td colspan="2">4.2</td>	0.20 0.38		33			4.2		
		H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td>	DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td>	AZ <td>W-A <td>W P</td> <td>W S</td> </td>	W-A <td>W P</td> <td>W S</td>	W P	W S	
GNZ	EP	01	59	01		-0.3	6.07	194				
	ES	02	00	25		-0.2						
KRP	EP	01	59	04.5		1.5	7.14	211				
TRZ	P	01	59	13.8		0.1	8.12	199				
	ES	02	00	49		1.6						
GNZ	EP	01	59	15		0.3	8.22	206				
	ES	02	00	47		-2.3						
MNG	EP	01	59	25			9.51	202				
	P	02	01	15		-1.5						
	ES			02 01 44		0.4						
COB	ES	02	01	44		0.5	10.97	211				
AUG 24		H <td>M <td>S <td colspan="2">41.67S 171.99E</td> <td>12 KM</td> <td>SE</td> <td>1.6</td> <td colspan="2">AVG MAG 69/486</td> </td></td>	M <td>S <td colspan="2">41.67S 171.99E</td> <td>12 KM</td> <td>SE</td> <td>1.6</td> <td colspan="2">AVG MAG 69/486</td> </td>	S <td colspan="2">41.67S 171.99E</td> <td>12 KM</td> <td>SE</td> <td>1.6</td> <td colspan="2">AVG MAG 69/486</td>	41.67S 171.99E		12 KM	SE	1.6	AVG MAG 69/486		
		H <td>M <td>S <td colspan="2">0.04 0.05</td> <td>2</td> <td colspan="2"></td> <td colspan="2">4.2</td> </td></td>	M <td>S <td colspan="2">0.04 0.05</td> <td>2</td> <td colspan="2"></td> <td colspan="2">4.2</td> </td>	S <td colspan="2">0.04 0.05</td> <td>2</td> <td colspan="2"></td> <td colspan="2">4.2</td>	0.04 0.05		2			4.2		
		H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td></td>	DIST <td>AZ <td>W-A <td>W P</td> <td>W S</td> </td></td>	AZ <td>W-A <td>W P</td> <td>W S</td> </td>	W-A <td>W P</td> <td>W S</td>	W P	W S	
COB	IP*	04	04	36.0	U	-1.4	0.83	45				
KAI	P*	04	04	38.0		-1.3	0.94	205				
	S*			50.7		-1.4			3.9			
GPZ	EPV	04	04	58		1.8	2.09	166				
	ES*			05 26		-0.5						
WEL	EPV	04	04	58		0.9	2.15	81				
	ESV			05 25		2.0			4.1	4.3	4.7	
YJZ	EPV	04	05	02		-0.8	2.56	205				
	ESV			34		0.7			3.9	4.0		
	ES*			42		1.4						
MNG	PV	04	05	06.2		-0.8	2.87	70				
	P*			14		1.7			4.5	4.4		
	ES*			47		-3.0						
GNZ	EPV	04	05	17		-1.0	3.69	49				
	P*			28		1.6						
	ES*			06 17		2.2						
TRZ	EPV	04	05	48		-0.5	4.27	62				
	ESV			06 45		-1.1						

KRP		MNP		04 35 30.5	-0.3	4.65	39				4.0	4.1	
H	M	S			DIR	RES	DIST	AZ	H-A	W P	W S		
AUG 24	11 47	09.3	41,975	171,87E	12 KM	SE	0.9		AVG MAG	69/49	3.1		
			0.02	0.03									
			4	4	S	DIR	RES	DIST	AZ	H-A	W P	W S	
KAI	EP		11 47	17			-0.4	0.65	211	3.5			
	S			27.0			0.6						
COB	IP		11 47	24.7	U		-1.2	1.10	37		4.2	4.4	
	S			39			-1.0						
GPZ	EP		11 47	36			-1.4	1.81	162	3.4			
	S			57.5			-0.6						
MJZ	EP		11 47	43			1.3	2.26	207		3.7	3.4	
	S			43 14.5			-0.3						
WEL	EP		11 47	43.5			1.5	2.28	73	3.7	4.0	4.2	
	S			48 16			0.9						
MNG	EP		11 47	53			0.6	3.04	65		4.0	3.8	
	S			48 39			0.5						
GNZ	EP		11 48	08			3.4	3.94	47		4.0	4.2	
	S			49 05			-0.4						
	S			18			-0.2						
KRP	EP		11 48	18			0.1	4.93	36		3.6	3.1	
	S			49 14			0.5						
AUG 25	01 29	02.0	39,795	174,08E	191 KM	SE	1.4		AVG MAG	69/49	4.2		
			0.05	0.06									
			H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S	
TNZ	IP		01 29	30.3	J		1.4	0.64	21		4.2	3.8	
	S			50			0.3						
GNZ	IP		01 29	34.1	D		0.9	1.28	63		4.1	4.4	
	S			43.2									
MNG	EP		01 29	35.6			-1.4	1.35	128		4.4	4.4	
	S			52									
	S			58			-0.6						
WEL	EP		01 29	37			1.0	1.58	151	4.1	3.8	4.4	
	S			30 03			0.7						
COB	EP		01 29	37.7	D		1.0	1.66	218		4.1	4.1	
	S			59									
	S			30 04			0.5						
KRP	EP		01 30	00				2.18	32		3.3		
	S			11			-2.1						
GNZ	EP		01 29	59.0			-0.0	3.27	71		4.2	4.4	
	S			30 31.3			-4.6						
KAI	EP		01 30	37.5			-1.3	3.40	216	4.0			
	S			01 30 05			0.2	4.05	195	4.9			
GPZ	EP			51			-2.3						
	S												
AUG 25	10 07	44.2	38,765	175,79E	180 KM	SE	1.6		AVG MAG	69/49	4.7		
			0.04	0.04									
			H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S	
GNZ	IP		10 08	10.0	U		1.0	0.47	200				
	S			29			1.0						
KRP	IP		10 08	10.7	UNE		-0.3	0.85	348		4.3	3.1	
	S			29			-2.7						
TUA	EP		10 08	14.0			1.2	1.09	93				
	S			30									
TNZ	IP		10 08	14.5	U		1.2	1.15	248		4.7	3.1	
	S			17									
	S			21									
	S			37			1.3						
GNZ	IP		10 08	21.1	DNW		1.9	1.78	87		5.0	4.1	
	S			27.0									
	S			38									

LOCAL EARTHQUAKES

MNG		ECZ		GBZ		WEL		ONE		COB		KAI		GPZ		CIZ	
H	M	S			DIR	RES	DIST	AZ	H-A	W P	W S						
			44														
			22.3	U					-2.2	1.87	186			5.2			
			47						2.2								
			47						-0.9								
			28						1.3	2.44	65			5.0	4.7		
			59						-0.4								
			26.8	D					-1.2	2.55	355			4.2			
			30.1	USE					1.1	2.63	196	5.0		5.1	5.4		
			09 03						-0.6								
			33.5						-0.1	3.18	339	3.9					
			36.7						-0.2	3.28	224			4.8	4.8		
			09 18						0.4								
			00						1.0	5.01	220	4.8					
			55.5						-3.4								
			04						-0.8	5.46	204	5.4					
			10 04						-3.9								
			40							7.76	134						
			11 01						-0.9								
AUG 25	10 34	49.1	37,605	176,44E	255 KM	SE	1.3		AVG MAG	69/490	3.8						
			0.09	0.11													
			H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S					
KRP	EP		10 35	24			0.3	0.78	245								
	S			28.9	U		-0.3	1.63	130		4.6	4.0					
GNZ	EP		10 35	59.5			-0.7										
	S			31.3			1.2	1.74	203		3.5	3.0					
GNZ	EP		10 35	36 10													
	S			43.0	U		-0.4	3.10	194		4.2	4.0					
MNG	IP		10 35	36 26			0.4										
	S			43			1.3	3.90	199								
WEL	EP		10 36	53			-1.7	4.51	218								
	S																
AUG 25	14 40	09.2	40,575	176,69E	12 KM	SE	2.0		AVG MAG	69/491	3.7						
			0.04	0.08													
			H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S					
MNG	IP		14 40	22.2	U		0.2	0.92	266		4.0	4.2					
	S			31													
GNZ	IP		14 40	33.3	D		0.2	1.62	327		4.1	3.9					
	S			34.2			0.2										
	S			52			-1.7										
WEL	EP		14 40	32			-2.1	1.62	243	3.2	3.6	3.5					
	S			39			0.9										
	S			51			-2.7										
GNZ	EP		14 40	42			1.5	2.18	29			3.1					
	S			41 04			-2.7										
TNZ	EP		14 40	44			-0.7	2.25	307		3.8	3.5					
	S			41 13			-1.4										
	S			20			-1.0										
KRP	EP		14 40	56			2.1	2.78	341		3.6	3.4					
	S			41 33			2.5										
COB	EP		14 41	01			2.6	3.05	259		3.7	3.6					
	S			30			2.2										
AUG 25	16 24	18.2	36,345	177,92E	12 KM	SE	1.1		AVG MAG	69/492	3.8						
			0.06	0.04													
			H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S					
ECZ	EP		16 24	39			1.3	0.99	130		4.1	4.2					
	S			59													
GNZ	IP		16 24	46.9	U		-1.5	1.80	177		3.9	3.7					
	S			54			-0.7										

	H	M	S	41.978	171.37E	12 KM	SE	1.9	AVG MAG	69/494		
										W-A	W-P	W-S
MNG	ES	26	08,5	-0,9								
	EPN	16	25 20	-1,3	4,23	206			3,7	3,8		
	ESV	26	10	0,7								
WEL	EPN	16	25 39,8		5,07	208						
	ESV	26	30	0,3							4,1	
	ESV	16	25 50									
COB	EPN	16	25 40		5,86	222						4,0
	ESV	26	49	0,5								
AUG 26	H	M	S	38,32S	176,48E	126 KM	SE	2,1	AVG MAG	69/492		
				0,07	0,06	13						4,2
	H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S		
KRP	IP	12	53 21,9	DSE	-0,8	0,82	299		4,6			
	ES	12	53 36		-3,0							
CNZ	P	12	53 26,2		0,5	1,12	219		3,8	3,9		
	ES	12	53 46		1,9							
TRZ	P	12	53 27,8		0,6	1,26	167		4,8	4,9		
	ES	12	53 30,5									
	ES	12	53 48		1,3							
	ES	12	53 52,5									
GNZ	P	12	53 27		-0,3	1,28	105		4,1	4,3		
	ES	12	53 30									
	ES	12	53 46		-1,0							
ECZ	EPN	12	53 39		2,1	1,77	70		4,4	4,2		
	ES	12	53 54 06,5									
TNZ	ES	12	53 39,0		1,4	1,83	241		4,1	3,9		
	ES	12	53 54 01		2,9							
MNG	P	12	53 39,8		-1,3	2,41	198		3,9	4,2		
	ES	12	53 54 10		-1,0							
	ES	12	53 20									
WEL	EPN	12	53 58,5			3,23	203		4,4	4,3		
	ES	12	53 54 27		-3,3							
	ES	12	53 42,5									
AUG 26	H	M	S	41,978	171,37E	12 KM	SE	1,9	AVG MAG	69/494		
				0,04	0,06	7						3,7
	H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S		
KAI	P	15	01 07,8		1,8	0,57	192		3,8			
	ES	15	01 08,5		1,6							
	ES	15	01 15,5		1,6							
GPZ	EPN	15	01 25		-0,7	1,90	156		3,4			
	ES	15	01 47,5		-2,4							
MJZ	EPN	15	01 35		-0,4	2,17	201		3,9	3,4		
	ES	15	01 02		-0,1							
WEL	EPN	15	01 35,5		0,7	2,49	79		4,0	3,8		
	ES	15	01 02 06		1,7							
MNG	EPN	15	01 44		-1,0	3,24	67		4,1	3,8		
	ES	15	01 50		-1,7							
	ES	15	01 02 30									
TNZ	EPN	15	01 47		-1,6	3,51	39					
	ES	15	01 02 02									
	ES	15	01 32		3,0							
	ES	15	01 49									
MSZ	EPN	15	01 58		-3,2	3,79	223		3,4	3,9		
	ES	15	01 02 37		1,2							
CNZ	EPN	15	01 58,5		1,9	4,10	49		4,0	4,1		
	ES	15	01 02 12									
	ES	15	01 51									
KRP	EPN	15	02 08,5		-1,0	5,06	38		3,6	3,9		
	ES	15	02 27									
	ES	15	02 03 05		-1,4							

LOCAL EARTHQUAKES

AUG 27	H	M	S	41,59S	171,80E	12 KM	SE	1,2	AVG MAG	69/495		
										W-A	W-P	W-S
				0,03	0,03	7						3,8
	H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S		
COB	P	16	45 17,4		1,2	0,87	59		4,0	4,3		
	ES	16	45 29		1,0							
KAI	P	16	45 19		0,9	0,98	197		3,8			
	ES	16	45 30		-1,3							
	ES	16	45 49			2,19	164		3,2			
GPZ	P	16	45 47 10		2,2							
	ES	16	45 40		0,0	2,25	83		3,5	4,0	3,9	
WEL	P	16	45 47 08		-1,7							
	ES	16	45 41,6		0,3	2,59	202		3,2	3,3		
MJZ	P	16	45 43,3		-2,1							
	ES	16	45 12		-0,1							
MNG	P	16	46 47		0,7	2,95	72		4,3	3,8		
	ES	16	46 53		1,1							
	ES	16	46 47 29		-1,6							
TNZ	P	16	46 55		0,4	3,11	40					
	ES	16	46 47 29									
	ES	16	47 53									
CNZ	P	16	47 04		-1,2	3,73	51		3,9	4,0		
	ES	16	47 48 02		-4,0							
MSZ	EPN	16	47 04		1,1	4,19	221					3,8
	ES	16	47 50		-0,5							
	ES	16	47 48 15									
KRP	P	16	47 21		-0,2	4,66	39					
	ES	16	47 48 22		-0,0							
	FELT MURCHISON (80) MM IV											
AUG 28	H	M	S	37,39S	177,05E	12 KM	SE	2,1	AVG MAG	69/496		
				0,10	0,04	7						3,5
	H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S		
ECZ	EPN	07	27 34		1,2	1,22	105					3,6
	ES	07	27 47		-2,2							
KRP	EPN	07	27 36		1,6	1,32	246		3,2	2,8		
	ES	07	27 50		-2,0							
TUA	EPN	07	27 34		-2,1	1,42	177		4,2			
GNZ	I(P3)	07	27 41,8	U	1,3	1,47	149		3,9			
	B(SG)	07	27 28 01		0,7							
CNZ	P	07	27 45,0		-0,8	2,16	213		3,4			
TRZ	EPN	07	27 45		-0,9	2,17	185		3,9			
MNG	EPN	07	28 06,5		3,1	3,45	200		3,4			
	FELT KAWERAU (34) MM IV											
AUG 28	H	M	S	43,16S	171,17E	12 KM	SE	1,9	AVG MAG	69/497		
				0,04	0,03	7						3,7
	H	M	S	DIR	RES	DIST	AZ	W-A	W-P	W-S		
KAI	EPN	07	44 36,5		-1,6	0,66	15		3,4			
	ES	07	44 46		-1,2							
MJZ	P	07	44 39,7		-3,7	0,97	211		3,7	3,7		
	ES	07	44 51		-5,5							
GPZ	P	07	44 48,9		0,9	1,20	117		3,3			
	ES	07	44 45 05		0,4							
COB	P	07	45 03,3		-0,4	2,38	30		4,1	4,1		
	ES	07	45 34,5		2,4							
ROX	P	07	45 15			2,67	209		3,9	3,7		
	ES	07	45 46		-1,5							
MSZ	EPN	07	45 10		0,5	2,79	236		3,4	3,8		
	ES	07	45 17		2,5							
	ES	07	45 42		-0,5							
WEL	EPN	07	45 17,5		1,7	3,27	56		3,8	3,6		
	ES	07	45 46 04		-1,5							
MNW	EPN	07	45 29		-0,2	3,65	223		3,7	3,5		
	ES	07	45 46 05		2,2							

H	M	S	41.71S	171.86E	12 KM	SE	1.2	AVG MAG	69/500
AUG 31	07 11	23.1	0.04	0.04					
	H	M	S	DIR	RES	DIST	AZ	M-A	W P W S
KAI	07 11	39			-0.3	0.88	202	3.7	
COB					-1.4				
GPZ	07 11	57			0.0	0.90	47	3.4	4.4 4.4
		12 01			1.4				
		21			-1.0				
HEL	07 11	59			-0.1	2.22	80	3.5	3.9 4.1
		12 27.5			1.8				
MJZ	07 12	04			1.2	2.50	204		3.6 3.4
		41			1.1				
MNG	07 12	07			-2.0	2.94	69		4.3 3.1
		14.5			-0.1				
TNZ	07 12	13			1.1	3.17	35		4.0 3.3
		13 05.5							
GNZ	07 12	21.0			1.0	3.77	50		4.3 4.2
		13 16.5			-1.5				
MSZ	07 12	24			-1.0	4.13	223		3.5 3.4
		13 12			-0.0				

FELT WESTPORT (79)

H	M	S	39.24S	176.14E	91 KM	SE	0.8	AVG MAG	69/500
AUG 31	07 57	47.3	0.03	0.02					
	H	M	S	DIR	RES	DIST	AZ	M-A	W P W S
GNZ	07 58	01.8			-0.2	0.46	275		
		12			-1.1				
TRZ	07 58	04			0.8	0.61	121		3.9 4.1
		16			0.7				
TUA	07 58	06.0			-0.1	0.90	61		4.4 4.1
		13							
		21			0.7				
TNZ	07 58	13.0			1.0	1.37	272		3.7 3.1
		31			0.5				
KRP						1.40	340		3.8 3.1
MNG	07 58	13.8			0.6	1.46	200		3.9 3.1
		23							
		32			-0.5				
GNZ	07 58	14.3			-0.4	1.58	68		4.6 3.1
		34			-1.0				
HEL	07 58	23			-1.1	2.29	207		3.6 4.1
		51.5			0.1				

H	M	S	33.89S	178.77W	332 KM	SE	2.7	AVG MAG	69/500
AUG 31	17 19	54.0	0.20	0.22					
	H	M	S	DIR	RES	DIST	AZ	M-A	W P W S
ECZ	17 21	10			3.6	4.38	209		4.7 4.3
		22 03			-0.2				
GNZ	17 21	15			-2.9	5.40	208		4.3 4.1
		22 21			-2.5				
TRZ	17 21	32			-0.7	6.67	211		
		44							
		22 54			3.8				
MNG	17 21	50			-0.2	8.13	213		
		23 21			-0.6				
HEL	17 23	40			-0.3	8.98	213		
CIZ	17 24	07			0.2	10.19	171		

H	M	S	35.31S	176.57E	210 KM	SE	1.8	AVG MAG	69/507
SEP 01	10 08	12.3	0.11	0.13					
	H	M	S	DIR	RES	DIST	AZ	M-A	W P W S
TUA	10 08	41.2			-0.2	0.67	138		4.5 4.4
		09 01.5			-2.4				
GNZ	10 08	43.1			0.5	1.18	107		4.2 4.5
		09 08.0			-1.6				
GNZ	10 08	44.9			0.3	1.19	222		4.2 3.8
TRZ	10 08	46.9			1.8	1.25	171		4.5 4.4
		09 12			1.9				
ECZ	10 08	47.6			-1.2	1.68	69		4.9 4.4
		09 11.5							
TNZ	10 08	52			0.8	1.92	242		3.4 3.4
MNG	10 08	57.8			1.1	2.45	200		4.8 4.3
		09 32.3			1.4				
HEL	10 09	07.2			0.9	3.28	205		4.7 4.1 4.5
		50			2.0				
KAI	10 10	41			-2.6	5.76	222		4.6
GPZ	10 10	51			-1.3	6.14	208		4.8
MJZ	10 11	16.5			-2.8	7.30	217		
MSZ	10 10	22			1.6	9.08	223		

H	M	S	NEAR ROTORUA	DIR	RES	DIST	AZ	APPROX. MAG	69/508
SEP 01	18 10	20							
	H	M	S	DIR	RES	DIST	AZ	M-A	W P W S
MNG	18 11	12			52.5				
GNZ	18 12	22							

FELT ROTORUA (33), MY IV

H	M	S	39.18S	175.50E	153 KM	SE	1.6	AVG MAG	69/509
SEP 02	06 06	54.0	0.08	0.08					
	H	M	S	DIR	RES	DIST	AZ	M-A	W P W S
GNZ	06 07	14.2			-0.4	0.04	119		
		28							
TNZ	06 07	18.2			0.1	0.87	269		
TRZ	06 07	22.0			2.0	1.09	110		4.1 4.1
		41			1.0				
MNG	06 07	25.4			1.9	1.44	181		4.3 3.8
		45.3			-0.7				
GNZ	06 07	30.6			0.5	2.04	76		4.2 3.9
		55.1			-2.8				
COB	06 07	40.2			-0.1	2.85	227		3.7 3.9
		08 15.5			-0.3				
GPZ	06 09	04.5			-1.2	5.00	205		4.2

H	M	S	31.34S	179.82E	379 KM	SE	1.6	AVG MAG	69/510
SEP 02	09 48	14.8	0.19	0.43					
	H	M	S	DIR	RES	DIST	AZ	M-A	W P W S
GNZ	09 51	30			0.5	7.44	191		
TRZ	09 51	30				8.55	196		
MNG	09 50	33.5			0.9	9.90	200		
		52 20			-1.6				
COB	09 50	48			-0.9	11.28	208		
		52 52			0.9				
GPZ	09 53	39.5			0.2	13.58	203		5.3

H	M	S	37.76S	176.91E	248 KM	SE	1.5	AVG MAG	69/511
SEP 02	15 45	37.4	0.14	0.16					
	H	M	S	DIR	RES	DIST	AZ	M-A	W P W S
GNZ	15 46	14.8			0.3	1.30	133		4.8 4.4
		40.8			-2.3				
ECZ	15 46	14.5			-0.5	1.37	88		4.5

		ES*	25.5	0.9						
	GNZ	SS	30.9	2.2						
		SS	18 15 14.3	-1.5	1.29	99			3.7	3.7
	MNG	SS	18 15 25.5	-0.6	2.27	198			3.9	3.4
		SS	29	-0.9						
		SS	16 01	1.6						
SEP 04	H M S		32.93S	179.49E	401 KM	SE	2.6	AVG MAG	69/ 519	
			0.28	0.72						
			H M S	DIR	RES	DIST	AZ	W-A	W P	W S
	ECZ	EP	20 34 56		3.2	4.81	189		4.8	4.3
		SS	33 54							
	GNZ	SS	20 35 03	-0.4	5.82	191			4.7	4.4
		SS	36 15	-0.1						
	KRP	SS	20 35 05.3	1.7	5.94	212				
		SS	36 25.5							
	TRZ	SS	20 36 36	-1.9	6.95	197				
	GNZ	SS	20 35 14.5	-2.3	7.02	206				
	MNG	SS	20 35 28.9	-2.7	8.32	202				
		SS	37 07	1.1						
	GPZ	SS	20 38 25	1.5	12.01	205			5.3	
SEP 05	H M S		41.76S	171.90E	12 KM	SE	1.8	AVG MAG	69/ 519	
			0.02	0.03						
			H M S	DIR	RES	DIST	AZ	W-A	W P	W S
	COB	IP*	09 26 27.0	-1.3	0.92	44				
	CHR	PN	09 26 42.5	0.0	1.86	163				
		SS	47.3	-1.8						
		SS	27 04.0	-1.3						
		SS	15	0.9						
		SS	33.0							
	GPZ	SS	09 26 44.4	-0.2	2.02	164			4.7	
		SS	48.3	1.2						
		SS	53.5	1.2						
		SS	27 10	1.0						
	HEL	PN	09 26 47.1	-0.1	2.21	79		4.8	5.2	5.1
		SS	27 15	1.3						
		SS	19.5	-0.0						
	MJZ	SS	09 26 51.3	0.6	2.46	205			5.0	4.1
		SS	53.1							
		SS	27 00	-1.4						
		SS	20.4	0.4						
		SS	29	1.8						
		SS	37	2.4						
	MNG	SS	09 26 56.2	-1.1	2.94	68			5.3	5.1
		SS	27 01	-1.8						
		SS	34	2.2						
		SS	41.5	0.1						
	TNZ	SS	09 27 00.5	-0.1	3.19	37			5.1	5.1
		SS	14	-2.1						
		SS	52	2.9						
		SS	28 03	3.9						
	GNZ	SS	09 27 08.4	0.2	3.78	49			5.5	5.1
		SS	19	1.7						
		SS	28 09	2.3						
	MSZ	SS	09 27 13.2	0.1	4.11	224			4.8	5.1
		SS	28 01	1.0						
		SS	31	0.8						
	ROX	SS	09 27 13	-0.7	4.16	206				
	TRZ	SS	09 27 23	-4.0	4.35	61			5.0	5.1
		SS	28 17.5	-5.3						
		SS	37							
	KRP	SS	09 27 20.9	-0.7	4.74	37			5.1	5.1
		SS	32.4	-1.4						
		SS	40.0							

LOCAL EARTHQUAKES

		SS	25 14.5	-0.7						
	TUA	SS	09 27 30	4.98	55			4.9	4.7	
		SS	28 32.5					4.8	4.6	
	MVA	SS	09 27 26	-0.0	5.08	216				
		SS	50	-4.2						
		SS	28 25	1.9						
		SS	29 08	3.4						
		SS	18							
	GNZ	SS	09 27 30	-3.4	5.63	58		4.8	4.5	
		SS	54							
		SS	28 42		6.28	19		5.3		
	ONE	SS	09 27 44	-0.8						
		SS	28 51							
		SS	30 04							
	CIZ	SS	09 28 16	0.9	6.76	108				
		SS	27 48	-2.9						
FELT BULLER DISTRICT, MAXIMUM INTENSITY MM V										
SEP 05	H M S		37.17S	177.35E	173 KM	SE	1.8	AVG MAG	69/ 519	
			0.10	0.10						
			H M S	DIR	RES	DIST	AZ	W-A	W P	W S
	ECZ	SS	12 58 39			1.08	119			
	GNZ	SS	12 58 32.3	-0.6		1.36	160		4.3	4.4
		SS	51.5							
		SS	57.3	-0.5						
	KRP	SS	12 58 33.2	-0.4	1.63	242				
		SS	59	0.0						
	TUA	SS	12 58 58	-1.2	1.64	185			4.3	
	TRZ	SS	12 58 44	1.6	2.41	190			4.1	4.4
		SS	59 17	2.5						
	GNZ	SS	12 58 44.9	1.7	2.47	215			4.0	
	MNG	SS	12 58 56.8	-2.1	3.74	202			3.9	3.8
		SS	59 43.5							
	HEL	SS	13 00 02.3	-0.7	4.57	205			4.5	4.1
SEP 05	H M S		39.94S	177.34E	12 KM	SE	1.5	AVG MAG	69/ 520	
			0.02	0.04						
			H M S	DIR	RES	DIST	AZ	W-A	W P	W S
	TRZ	SS	14 04 56.3	-1.6	0.56	314			5.3	5.3
		SS	03 04	-1.7						
	TUA	SS	14 05 07.3	-0.6	1.14	353			4.5	4.8
		SS	22	-1.3						
		SS	26	0.1						
	GNZ	SS	14 05 11.6	-0.7	1.40	22			4.4	4.4
		SS	17.4	1.7						
		SS	21.6							
		SS	35.5	0.9						
		SS	45							
	GNZ	SS	14 05 13.4	-1.2	1.57	297			4.9	4.8
	MNG	SS	14 05 13.7	-0.9	1.58	244			4.2	4.3
		SS	21.4	2.1						
		SS	45.4	4.8						
	MNZ	SS	14 05 18.5	-1.7	1.62	323			5.2	
	HEL	SS	14 05 25.5	0.1	2.38	235		3.9	4.1	4.2
		SS	36	0.5						
		SS	54	0.3						
		SS	06 14							
	TNZ	SS	14 05 30	0.3	2.41	257			4.4	4.2
		SS	06 04	2.6						
	ECZ	SS	14 05 28	1.9	2.43	23			4.5	
		SS	47							
	KRP	SS	14 05 24.7	-1.7	2.45	324				
		SS	30.7	0.3						
		SS	45.7							

SEP 05		H	M	S	40,215	174,93E	55 KM	SE	1,8	AVG MAG	69/52
14 52 48,2		0,03	0,03	0,03	14	14	14	14	14	4,4	4,1
+ 0,7											
STATION	IP	RES	DIST	AZ	H-A	H P	W S				
MNG	IP	01,3	U	0,0	0,59	134		4,4	4,4		
WEL	IP	09,2	J	1,5	1,08	186	3,9	4,6	4,6		
TNZ	IP	07,8	U	-0,2	1,11	337		4,3	4,3		
GNZ	IP	06,3	U	-1,8	1,11	25		4,5	4,5		
TRZ	IP	19,6		0,9	1,60	66		4,4	4,4		
		17,4									
		44									
KRP	IP	26,5		1,5	2,33	12		4,2	4,2		
		29,7									
		54,7		2,2							
GNZ	IP	32		-0,7	2,86	58		4,0	3,7		
		54									
		01									
		48									
		21,5									
		39,5									
GPZ	IP	30		-1,6	3,98	205		4,0			
MSZ	IP	33			6,84	227					
		55		-1,5							
		44									
FELT WANGANUI (57) MM IV											
SEP 06		H	M	S	38,23S	176,13E	173 KM	SE	1,3	AVG MAG	69/52
02 04 14,9		0,04	0,04	0,04	7	7	7	7	7	4,7	4,7
- 0,9											
STATION	IP	RES	DIST	AZ	H-A	H P	W S				
KRP	IP	38,8	UM	-0,2	0,57	302		4,6	4,6		
		57		-0,5							
TJA	IP	41,7		0,2	0,97	127		4,6	4,4		
		57									
GNZ	IP	01,3		-0,5	1,08	206		3,9	3,9		
		03 08									
TRZ	IP	04 47		1,5	1,42	159		4,5	4,3		
		05 10		0,9							
GNZ	IP	04 46,6		0,1	1,53	106		4,4	4,4		
		05 10		-1,0							
TNZ	IP	04 51,1		3,0	1,68	235					
ECZ	IP	04 51,1		-0,1	1,97	75		4,4	4,4		
		05 19,9		0,6							
GBZ	IP	04 51		-1,5	2,08	345					
MNG	IP	04 56,3		-0,4	2,44	192		4,8	4,4		
		05 28,1		-0,8							
WEL	IP	05 05,9		-1,1	3,23	199	4,6	4,4	4,4		
		48		-1,3							
GPZ	IP	05 46		-5,3*	6,37	205		4,8			
SEP 06		H	M	S	41,59S	174,43E	33 KM	SE	1,4	AVG MAG	69/52
05 28 39,3		0,04	0,03	0,03	9	9	9	9	9	4,4	4,4
+ 0,5											
STATION	IP	RES	DIST	AZ	H-A	H P	W S				
WEL	IP	49,2	USE	0,3	0,46	28		4,3			
		57		1,2							
		58,2		1,9							
MNG	IP	00,2	D	-0,3	1,31	35		4,4	4,4		
		03		-0,2							
		17		0,6							
		22		1,1							
COB	I	59,5	U		1,45	294		4,6	4,4		

SEP 05		H	M	S	38,28S	176,91E	108 KM	SE	1,8	AVG MAG	69/52
08 25 02,5		0,06	0,05	0,05	13	13	13	13	13	4,2	4,2
+ 1,5											
STATION	IP	RES	DIST	AZ	H-A	H P	W S				
TJA	IP	20,3		0,4	0,56	160		4,7	4,6		
		21,1									
		32,7		-0,4							
GNZ	IP	23,4	J	0,1	0,95	113		4,4	4,2		
		27									
		38,3		-0,8							
KRP	IP	25,7	DNE	0,2	1,14	288		4,3			
		41,5		-1,3							
TRZ	IP	28,7		1,5	1,28	183		4,5	4,5		
		32									
GNZ	IP	31,4	D	2,7	1,41	229		3,8	3,9		
		54		3,6*							
		59									
ECZ	IP	31			1,42	66		4,3	4,2		
		48		-0,7							
TNZ	IP	43,3			2,18	245					
MNG	IP	44			2,59	205		3,9	4,0		
		51,5									
		26		1,0							
		16									
		26									
DNE	IP	58			3,22	320		3,7			
WEL	IP	36		0,7	3,43	208		4,3	4,0		
		51,5									
GPZ	IP	42		-3,5	6,30	209		4,5			
SEP 07		H	M	S	41,28S	174,25E	12 KM	SE	1,3	AVG MAG	69/52
11 26 36,5		0,03	0,03	0,03	2	2	2	2	2	3,9	3,9
+ 0,6											
STATION	IP	RES	DIST	AZ	H-A	H P	W S				
WEL	IP	45,1		0,9	0,38	90		3,9			
		51,1		1,4							
MNG	IP	36,8		-0,4	1,14	59		4,2	4,1		
		27		-0,5							
		13,5		-1,7							
TNZ	IP	19		-0,0	2,10	3		3,9	4,0		

STATION	M	H	S	MAG	DIR	RES	DIST	AZ	W-A	W P	W S	69/521										
												AVG	MAG									
CNZ	E	11	27	25		0.7	2.30	26	3.9	4.8												
	SG			48		0.9																
	PG			22.5		-0.7																
TRZ	E	11	27	27		-2.5	2.61	49	4.0	4.8												
	S*			45		0.6																
	MPG			30																		
GPZ	E	11	27	34		-0.9	2.69	206	3.3													
	SN			52		0.7																
	PG			48		1.5																
KRP	E	11	27	29			3.50	17														
	SG			36																		
	ESG																					
SEP 07													40.965	176.71E	12 KM	SE	1.1	AVG	MAG	69/521		
													0.02	0.02						4.1		
													4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
CAZ	S*	18	15	29		-1.6	0.37	278														
	IP*	18	15	37.5		1.7	0.99	289	4.5	4.3												
MNG	S*			50		0.7																
	IP*			57																		
TRZ	P*	18	15	42.7		-0.1	1.40	5	4.4	4.3												
	S*			48.3		0.4																
HEL	IPN	18	15	44.5		0.4	1.51	257	3.7	4.6	4.2											
	S*			55																		
CNZ	IP*	18	15	52.3	D	-0.2	1.97	333	4.5	4.4												
	PG			58.5		0.9																
TUA	SN	18	16	16		-1.0	2.17	9														
	PG	18	15	07.6		-1.1	2.52	314	4.3	4.3												
GNZ	PN	18	15	58		0.1	2.52	24	3.8	4.1												
	PG			03.5		1.6																
KRP	SN	18	16	07		-1.7	3.16	343														
	PG			20		-1.7																
GPZ	SN	18	17	04		-1.2	4.07	226	4.2													
	SN	18	17	11		1.1	4.27	247														
CIZ	SN	18	16	45			5.80	123	4.9	4.9												
	ESN			17		0.2																
SEP 08													41.605	174.04E	12 KM	SE	0.7	AVG	MAG	69/521		
													0.02	0.01						4.1		
													4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
HEL	IP*	02	37	38.3	U	0.3	0.63	60	3.6	3.8	4.4											
	S*			46.5		-0.2																
COB	IP*	02	37	45.9	D	-0.3	1.11	297	4.2	4.2												
	S*			38		-0.1																
MNG	IPN	02	37	51.5	U	-0.3	1.47	48	4.2	4.2												
	S*			38		0.7																
KAI	ESG	02	38	11		1.1	2.17	244	3.8													
	ESG			39.5		0.4																
GPZ	SN	02	38	36.5		-1.3	2.33	206	3.4													
	ESG			40		0.3	2.43	6	4.2	3.9												
CNZ	IP*	02	38	10.3		0.2	2.66	26	4.5	4.4												
	PG			12.9		2.3																
MJZ	IP*	02	39	05			3.95	227														
	S*																					

LOCAL EARTHQUAKES

STATION	M	H	S	MAG	DIR	RES	DIST	AZ	W-A	W P	W S	69/528										
												AVG	MAG									
KRP	E	02	38	26		0.9	3.85	18														
	P*			34		-1.0																
	S*			39																		
SEP 08													40.446	173.53E	213 KM	SE	1.2	AVG	MAG	69/528		
													0.03	0.04						4.7		
													4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
COB	IP	08	04	53.2	U	0.4	0.89	223														
	S*			03																		
HEL	IP	08	04	57.0	UNW	1.5	1.26	132	4.8	5.0	5.1											
	S*			05		-0.1																
TNZ	IP	08	04	56.7		0.2	1.41	28														
	S*			05		-1.1																
MNG	IP	08	04	58.5	D	1.2	1.50	97			4.7	4.8										
	S*			05																		
CNZ	IP	08	05	02.1	D	0.1	3.2	1.99	52		4.7	4.9										
	S*			03		0.5																
KAI	IP	08	05	11		2.2	2.62	217	4.8													
	S*			05		-1.2																
TRZ	EP	08	05	09.5		0.1	2.68	72			4.4	4.9										
	S*			48		2.1																
KRP	IP	08	05	12		-0.6	2.96	33			4.1	4.1										
	S*			27																		
TUA	IP	08	05	12		-0.5																
	S*			16.3		0.5	3.24	61			4.8	5.0										
GPZ	IP	08	05	16.3		-1.3																
	S*			56		0.2	3.32	191	5.1													
GNZ	IP	08	05	17		-2.8																
	S*			56.3		0.1	3.91	64			4.7	4.7										
MJZ	IP	08	05	24.0	D	0.1	4.21	212			3.7	3.7										
	S*			06		-1.4																
ECZ	IP	08	05	28.5		0.8	4.77	57			5.4											
	S*			05		-0.9																
MSZ	IP	08	05	33.9	U	-0.9	5.92	223			4.4	4.3										
	S*			48.4		-4.2																
MNA	IP	08	06	01.5		-0.1	6.87	217														
	S*			07		0.9																
SEP 08													37.345	176.70E	266 KM	SE	1.4	AVG	MAG	69/529		
													0.07	0.07						4.4		
													4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
KRP	P	14	02	42.1		-0.4	1.09	238														
	S*			03		-0.6					4.6	4.6										
TUA	P	14	02	45.2		-0.1	1.50	167														
	S*			03		-1.3																
ECZ	P	14	02	45		-0.3	1.51	104			4.7	4.6										
	S*			03		0.1	1.67	142			4.6	4.5										
GNZ	P	14	02	46.3		-1.4	2.07	206			4.0	3.6										
	S*			03		0.6																
CNZ	P	14	02	50.2		1.0	2.21	178			4.4	4.5										
	S*			03		2.5																
TRZ	P	14	02	52.0		2.8	2.60	224														
	S*			03		-1.1	3.41	195			4.5	4.2										
TNZ	P	14	02	57.6		0.3	4.21	200	4.7	4.5	4.4											
	S*			49		0.5																
HEL	P	14	03	13		1.4	4.85	218			4.1	4.3										
	S*			04		-1.5																
COB	EP	14	03	18.5		-0.6	7.06	205	4.9													
	S*			04		-1.7																
GPZ	P	14	03	05.7																		
	S*																					

SEP 08	H	M	S	38.208	175.90E	222 KM	SE	1.5	AVG MAG	69/ 4.3	
	H	M	S	0.06	0.06	5					
	H	M	S	DIR	RES	DIST	AZ		W-A	W P	W S
KRP	IP	22 36	05.7	U	-0.9	0.40	314				
DNZ	IP	22 36	10.7	U	1.2	1.03	195		4.3	4.1	
TUA	IP	22 36	10.2		2.3	1.16	122		4.6	4.1	
TRZ	IP	22 36	14.2		-0.2	1.53	152		4.5	4.1	
TNZ	IP	22 36	15.4		0.9	1.54	230				
GNZ	IP	22 36	15.9		0.5	1.73	105		4.6	4.1	
ECZ	IP	22 36	18		0.8	1.73	105		4.7	4.1	
			23		-1.2	2.16	77				
			45								
MND	IP	22 36	22.3	U	0.3	2.44	187		4.6	4.1	
HEL	IP	22 37	12		-0.6	3.20	195		4.7	4.1	
COB	IP	22 36	39.5		-0.3	3.78	219		4.0	4.1	
			37		1.9						
GPZ	IP	22 38	13		0.4	6.02	203		4.8		
MJZ	IP	22 38	37		-1.5	7.09	214				
					-2.1						
SEP 09	H	M	S	40.89S	176.74E	12 KM	SE	1.3	AVG MAG	69/ 5.1	
	H	M	S	0.02	0.02	R					
	H	M	S	DIR	RES	DIST	AZ		W-A	W P	W S
CAZ	IP	05 51	41.0	USM	4.1	0.39	267				
MND	IP	05 51	47.8	U	4.5	0.99	285		4.9		
TRZ	IP	05 51	52.6	U	-0.5	1.33	3		5.1	5.1	
			52								
			00.6		1.7						
			16								
			30.5								
HEL	IP	05 51	55.8	UK	-0.2	1.54	234		4.7	5.2	5.1
			52								
			03.8								
			06.6								
			09.5								
			15		-0.9						
			34								
			44								
GNZ	IP	05 52	02.1	U	-1.0	1.92	331		5.1	4.1	
			08		-0.0						
TUA	IP	05 52	03		-0.5	2.10	9		4.7	4.1	
			22								
			28		-0.8						
			51.3								
MND	IP	05 52	15		0.1	2.70	348		5.4	5.1	
			51								
GNZ	IP	05 52	06.4		-1.6	2.45	24		4.5	4.1	
			12.5		0.3						
			37		-0.3						
			53								
TNZ	IP	05 52	11.3		-1.4	2.48	312		4.9	4.1	
			19.8								
			55		2.1						
COB	IP	05 52	03.8	U	0.4	3.04	265		5.1	5.1	
			16.6		0.7						
			23		1.9						
			53.5		-1.8						
GNZ	IP	05 52	09.5	U	-0.3	3.10	342				
			16.8		0.9						
			32.8								
			44.2								

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SEP 08	H	M	S	40.94S	176.86E	12 KM	SE	1.0	AVG MAG	69/ 5.32	
	H	M	S	0.02	0.02	R					
	H	M	S	DIR	RES	DIST	AZ		W-A	W P	W S
ECZ	IP	05 52	27		-2.9	3.48	24			5.0	4.8
			53		1.6						
GPZ	IP	05 52	30		-1.1	4.13	226		5.0		
			53		-1.6						
			16.5		0.9	4.31	246		5.0		
			58								
			59		-0.9						
			53		0.5						
			55								
DNZ	IP	05 54	43		1.5	5.43	339		4.9		
			52		5.58	234					
			53		-0.8						
			05		0.1						
			53		2.7	5.83	124		5.4	5.5	
			53								
			53		0.1						
GNZ	IP	05 53	34			7.51	237				
			54		-1.9						
			54		1.5	8.25	231				
			58								
SEP 09	H	M	S	40.94S	176.86E	12 KM	SE	1.0	AVG MAG	69/ 5.32	
	H	M	S	0.02	0.02	R					
	H	M	S	DIR	RES	DIST	AZ		W-A	W P	W S
CAZ	IP	08 47	51.5		1.7	0.48	274				
			52.4		-0.6	1.09	287		4.3	4.1	
			54.2		-1.2						
			57.5								
			48		0.3						
			08		0.3						
TRZ	IP	08 47	58		0.1	1.38	359		3.9	4.0	
			48								
			05		0.1						
			16.5								
			28								
HEL	IP	08 48	00.2	U	-0.8	1.62	257		3.4	4.2	3.9
			13.1								
			18.5		-3.1						
			28		0.2						
			35								
GNZ	IP	08 48	08		-0.6	2.01	329		4.1	3.9	
			13		-0.8						
			41		0.1						
GNZ	IP	08 48	43		1.4	2.46	22			3.7	
			48			2.59	312		3.9		
TNZ	IP	08 48	21.7		0.3	3.13	266		4.0	4.0	
			36		-0.4						
			49								
			16		1.5	3.18	341				
KRP	IP	08 48	39		-1.4						
			49								
			19								
GPZ	IP	08 49	30			4.17	227				
SEP 09	H	M	S	41.04S	176.80E	12 KM	SE	0.9	AVG MAG	69/ 5.33	
	H	M	S	0.02	0.02	R					
	H	M	S	DIR	RES	DIST	AZ		W-A	W P	W S
CAZ	IP	15 44	18		2.8	0.45	287			4.1	4.3
			19.4		-0.1	1.08	292				
			22.6		0.7						
			25.2								
			34		-0.1						
			37.2		0.8						
TRZ	IP	15 44	29.7		-0.6	1.48	1		4.0	4.1	
			46		-0.0						
			53		0.8	1.55	260		3.5	4.1	4.0
HEL	IP	15 44	27.7	U	2.5						
			34.2								
			41								
			44								
GNZ	IP	15 44	35.0		-1.4	2.07	332		4.1	3.8	

	H	M	S															
				42.3		0.5												
				48														
				45 16														
TUA	SV	15	45	01.5		-1.4	2.24	7										
GNZ	SV	15	44	41.3		0.7	2.57	22										
				45 12		1.7												
TNZ	SV	15	44	53		0.2	2.62	314										
				45 38														
COB	SV	15	44	48.5		1.1	3.08	268										
				45 00.5		-1.5												
				24		0.8												
				43		-0.5												
KRP	SV	15	44	50.5		0.6	3.26	342										
				45 03														
				37														
GPZ	SV	15	43	46		-1.2	4.07	228										
SEP 09	H	M	S															
	15	25	37.2	40.99S	176.78E	12 KM	SE	1.2										
				0.02	0.02													
				4	4	8	DIR	RES	DIST	AZ	W-A	W P	W S					
CAZ	SV	15	26	08.5		2.8	0.41	282										
				14.3		3.1*												
MNG	SV	15	26	16.2		0.2	1.03	291										
				18.1		-0.1												
				21														
				33		0.5												
TRZ	SV	15	26	22.5		-0.3	1.44	2										
				30														
				42.8		0.8												
HEL	SV	16	26	23.3		-0.6	1.53	258										
				30.8														
				37.2														
				41														
				42.5		-1.1												
				54														
				05														
GNZ	SV	15	26	32.3		-0.4	2.01	332										
				38.3		0.3												
				44.0														
				27 01.7		2.4												
				12.4														
TUA	SV	16	26	33		0.1	2.20	6										
				58.5		-0.8												
GNZ	SV	16	26	37		-0.6	2.54	23										
				43														
				27 09		1.0												
				41		-1.1												
				49		-0.0												
				13		-2.8												
				24		1.5												
COB	SV	15	26	45.2		0.2	3.04	267										
				57.4		-1.3												
				27 21		1.3												
				40		0.3												
				48														
KRP	SV	15	26	48			3.20	343										
				27 00		-2.0												
				48														
GPZ	SV	15	27	41.5		-3.1*	4.07	227										
				49		-0.7	4.28	247										
KAI	SV	15	27	49			5.53	235										
				21														
MJZ	SV	16	27	21		-0.2												
				28 19.5														
				27 24			5.76	123										
				28 26		0.6												

LOCAL EARTHQUAKES

	H	M	S															
				40.38S	176.89E	12 KM	SE	1.2										
				0.02	0.02													
				4	4	8	DIR	RES	DIST	AZ	W-A	W P	W S					
SEP 09	17	01	26.6															
				0.03														
CAZ	SV	17	01	42														
				49		5.1*												
MNG	SV	17	01	47.2		0.7	1.10	283										
				49.1		0.2												
				52.3														
				02 10														
TRZ	SV	17	01	49.7		-0.5	1.32	358										
				56														
				59.5														
				02 05														
HEL	SV	17	01	54.5		-0.4	1.65	259										
				02 08.7														
				15.5		-0.2												
				37														
GNZ	SV	17	02	00.8		-0.5	1.97	328										
				37.3		1.1												
				13.5														
				26		-1.4												
				34.5		1.5												
				42														
TUA	SV	17	01	59.8		-0.8	2.08	6										
				02 24.2		-1.5												
GNZ	SV	17	02	04.5		-0.4	2.40	22										
				10.4		1.7												
				34.2		0.7												
TRZ	SV	17	02	10.2		-1.3	2.56	310										
				17		-1.4												
				40														
KRP	SV	17	02	19.5		0.6	3.13	340										
				37.5														
				49														
COB	SV	17	02	16.7		1.5	3.15	265										

		H	M	S				AVG MAG	69/50			
		12	43	14.3	37.25S	177.04E	249 KM	SE 0.8	4.3			
				± 1.1	0.05	0.05						
		H <th>M</th> <th>S</th> <th>DIR</th> <th>RES</th> <th>DIST</th> <th>AZ</th> <th>H-A</th> <th>W</th> <th>P</th> <th>W</th>	M	S	DIR	RES	DIST	AZ	H-A	W	P	W
KRP	P	12	43	31		-0.8	1.37	240				
TJA	P	12	43	33.7		0.5	1.56	177		4.5	4.7	
		44	24			-0.2						
GNZ	IP	12	43	34.3		0.8	1.60	151		4.5	4.4	
		44	23.4			-0.3						
TRZ	ES	12	44	01			2.31	184		4.1	4.4	
		39				3.8*						
MNG	IP	12	44	13.2		-0.4	3.58	199		4.7	4.8	
		45	00			0.3						
WEL	ES	12	45	17		-0.0	4.40	203	4.5			
COB	ES	12	45	33		1.0	5.09	220				
GPZ	ES	12	45	20		-0.8	7.26	206	4.9			
		H <th>M</th> <th>S</th> <th colspan="3"></th> <th>AVG MAG</th> <th>69/50</th>	M	S				AVG MAG	69/50			
		18	31	01.1	37.29S	177.07E	244 KM	SE 1.4	4.7			
				± 1.4	0.07	0.07						
		H <th>M</th> <th>S</th> <th>DIR</th> <th>RES</th> <th>DIST</th> <th>AZ</th> <th>H-A</th> <th>W</th> <th>P</th> <th>W</th>	M	S	DIR	RES	DIST	AZ	H-A	W	P	W
KRP	P	18	31	37.6		-0.6	1.38	242				
		32	06.7			-0.2						
TJA	P	18	31	39.4		0.1	1.52	178		4.6	4.8	
		32	07			-1.8						
GNZ	IP	18	31	40.1	D	0.6	1.55	151		4.5	4.8	
		32	07.6			-1.6						
TRZ	IP	18	31	46.8	D	0.9	2.27	185		4.6	5.1	
		32	23			2.3						
TRZ	ES	18	31	54		2.0	2.85	227				
MNG	IP	18	31	59.4	U	-0.5	3.55	200		4.9	4.8	
		32	46.5			1.0						
WEL	P	18	32	09.6		-0.0	4.38	203	5.0	4.7	4.8	
		33	04			1.0						
COB	ES	18	32	21			5.08	220		4.2	4.5	
		33	21									
KAI	ES	18	33	56		-1.2	6.31	215	5.0			
GPZ	ES	18	34	07		-0.0	7.24	206	5.1			
MJZ	ES	18	34	31		-1.8	8.37	215				
		H <th>M</th> <th>S</th> <th colspan="3"></th> <th>AVG MAG</th> <th>69/50</th>	M	S				AVG MAG	69/50			
		19	23	37.7	40.71S	176.85E	12 KM	SE 1.3	4.7			
				± 0.4	0.02	0.02						
		H <th>M</th> <th>S</th> <th>DIR</th> <th>RES</th> <th>DIST</th> <th>AZ</th> <th>H-A</th> <th>W</th> <th>P</th> <th>W</th>	M	S	DIR	RES	DIST	AZ	H-A	W	P	W
CAZ	E	19	24	30		0.51	2.48					
MNG	IP	19	24	17.4	U	0.8	1.04	275				
		22	0									
TRZ	IP	19	24	18.4	U	-0.1	1.16	339		4.9	5.1	
		22	2									
		37	5			0.7						
WEL	PN	19	24	26.1	D	-0.1	1.68	249	4.3	4.7	4.1	
		32	1			0.5						
		47	2			-0.1						
		55				3.9						
		25	02.2									

LOCAL EARTHQUAKES

		H <th>M</th> <th>S</th> <th colspan="3"></th> <th>AVG MAG</th> <th>69/50</th>	M	S				AVG MAG	69/50			
		19	24	28.3		-1.1	1.91	7	4.6 4.9			
		48										
TJA	PN	19	24	28.3		-1.1	1.91	7	4.6 4.9			
		51.7				0.7						
		25	03									
		12										
WVZ	ES	19	24	46		-1.4	2.15	344	5.2 5.1			
		25	09			-1.0						
GNZ	PN	19	24	33		1.2	2.25	24	4.5 4.5			
		38.5				0.0						
		25	01			-1.3	2.43	308	4.8 4.5			
TRZ	SN	19	24	39		-1.9						
		45.0										
		52.3										
		25	08			-2.2						
		17.5										
		27.3										
		42.1										
KRP	PN	19	24	44.3		0.7	2.96	340				
		59				1.4						
		25	28			-0.3						
		39				1.5						
		47										
COB	PN	19	24	47.4		1.3	3.14	262		4.7	4.7	
		25	02.2			1.0						
		24.2				1.6						
		45.8				2.2						
GPZ	SN	19	25	49		-2.0	4.32	225	4.5			
		32				4.46	4.46	244	4.8			
KAI	ES	19	25	32		-1.2						
		53.3										
ONE	ES	19	25	41		-0.2	5.30	338	4.4			
MJZ	PN	19	25	21		0.5	5.75	233				
		33										
		26	26			0.5						
CIJ	PN	19	25	25		2.4	5.96	126		5.1	4.9	
		25	27			-1.1						
MSZ	ES	19	27	09		-2.3	7.68	236				
		H <th>M</th> <th>S</th> <th colspan="3"></th> <th>AVG MAG</th> <th>69/50</th>	M	S				AVG MAG	69/50			
		19	55	40.6	40.54S	176.84E	12 KM	SE 1.1	4.9			
				± 0.3	0.02	0.02						
		H <th>M</th> <th>S</th> <th>DIR</th> <th>RES</th> <th>DIST</th> <th>AZ</th> <th>H-A</th> <th>W</th> <th>P</th> <th>W</th>	M	S	DIR	RES	DIST	AZ	H-A	W	P	W
CAZ	ES	19	58	57		0.5	0.53	240				
		59	04									
MNG	IP	19	58	59.6	U	0.3	1.03	271				
TRZ	IP	19	59	01.2	U	0.9	1.08	359		5.1	5.3	
		03.1										
WEL	PN	19	59	08.4		-1.1	1.69	247	4.5	4.6	5.1	
		16.0				1.0						
		24										
		29				-1.7						
		44.2										
		20	00	00								
TJA	PN	19	59	11.0		-0.4	1.84	8		4.6	5.1	
		31.7										
		34.2				0.1						
		57.2										
WVZ	ES	19	59	24		1.2	2.08	344		5.4	5.4	
		56.3										
GNZ	PN	19	59	15.9		-0.2	2.19	25		4.6	4.6	
		44.3				1.8						
TRZ	SN	19	59	21.9		-0.7	2.38	307		4.9	4.8	
		29				0.2						
		20	00	07		0.2	2.49	339		4.6	4.4	
KRP	PN	19	59	26		-1.5						
		37.6				-1.2						
		08				-1.2						
		17.4				-3.7						
		29.3										

STATION	TIME	MAG	DEPTH (KM)	LOCATION	W-A	W-P	W-S
COB	19 59 24,7	7,6	3,14	260			
IPG	40,8						
SV	45,3	1,1					
ISG	20 00 07	1,4					
GPZ	20 00 03	-1,6	4,36	224	4,7		
SV	31,5	-3,6*					
KAI	20 00 08		4,49	243	5,0		
SV	23						
QVE	20 00 39	0,9	5,23	337	4,9		
SV	30,5						
MJZ	20 00 12	-0,1	5,79	233			
SV	04,5						
CIZ	20 01 10	0,7	5,91	126			
SV	07,4	1,1					
MSZ	20 01 10	-2,2	7,71	236	5,0	5,1	
SV	01 52						
MVA	20 01 59	-0,1					
FELT	20 02 12		8,47	230			
DANNEVIRKE (63)	MM IV						

DATE	TIME	MAG	DEPTH (KM)	LOCATION	W-A	W-P	W-S
SEP 10	23 09 22,7	40,80S	176,75E	12 KM SE 1,1	AVG MAG 69/54		
	0,02	0,02					
	H M S	DIR	RES	DIST	AZ	W-A	W-P
MNZ	23 09 41,8	U	1,3	0,96	280	4,6	4,4
TRZ	23 09 45,1		0,1	1,24	3	4,5	4,7
IPG	49,0		1,1				
SV	10 02		0,3				
HEL	23 09 50,1	U	2,2	1,97	251	4,8	4,6
PG	56,2		1,6				
SV	10 03,0						
SV	10		-0,1				
SG	15		-0,8				
CGZ	23 09 54,0	-0,4	1,94	330	4,7	4,7	
PG	10 01		1,0				
SG	29		0,3				
MNZ	23 10 02	0,3	2,22	347	5,1	5,1	
GNZ	23 09 59	-1,5	2,37	25	4,0	4,1	
SV	10 29,3		0,6				
TNZ	23 10 03,9	-1,8	2,43	311	4,5	4,2	
SV	08						
IPG	23,7						
SV	38,1		0,8				
KRP	23 10 09,2	-0,3	3,02	342			
PG	21,7		-2,0				
SV	55		-0,9				
COB	23 10 10,7	0,8	3,05	263	4,5	4,4	
PG	22,6		-1,5				
SV	45,7		0,3				
GPZ	23 11 01	-2,2	4,20	225			
KAI	23 11 17	0,1	4,36	245	4,6		
CIZ	23 10 48	3,2	5,87	125	4,9	4,3	
E	11 43						

DATE	TIME	MAG	DEPTH (KM)	LOCATION	W-A	W-P	W-S
SEP 11	00 56 43,5	39,37S	175,58E	12 KM SE 1,0	AVG MAG 69/54		
	0,02	0,01					
	H M S	DIR	RES	DIST	AZ	W-A <td>W-P</td>	W-P
GNZ	00 56 50,3	U	-0,7	0,37	356		
TRZ	00 57 00,6		-0,4	0,96	89	4,8	4,3
IPG	02,9		-0,2				

LOCAL EARTHQUAKES

STATION	TIME	MAG	DEPTH (KM)	LOCATION	W-A	W-P	W-S
TNZ	00 57 17	0,9					
EPG	02,0	0,2	1,01	292	4,5	4,1	
PN	03,0	-0,3					
SG	18,4	0,8					
MNZ	00 57 01,3	-0,8	1,03	24	4,8		
PG	00 57 02,3	-0,2	1,05	184	4,5	4,1	
SV	15,3	-1,1					
KRP	00 57 11,7	-0,0	1,55	359			
PG	12,0	-1,9					
SV	32,3	-0,2					
SV	33,6	0,9					
SV	00 57 44,0	1,0	1,42	200	3,7	4,6	4,3
SV	13,2	-0,5					
PG	48,8	3,9*					
GNZ	00 57 23,2	-3,2*	2,12	68	3,9	3,7	
EPG	56	1,1					
COB	00 57 25,3	-0,1	2,65	234	4,4	4,2	
IPG	26,4						
SV	31,0	1,1					
SV	59						
SV	58 04	-0,8					
KAI	00 58 13	2,2	4,32	226	4,6		
EPG	46						
GPZ	00 58 50		4,67	207	4,1		
FELT	O-TAKUNE (49)	MM III					
	H M S	DIR	RES	DIST	AZ	W-A <td>W-P</td>	W-P
SEP 11	08 10 17,7	40,87S	176,99E	12 KM SE 1,1	AVG MAG 69/54		
	0,07	0,04					
	H M S	DIR	RES	DIST	AZ	W-A <td>W-P</td>	W-P
CAZ	08 10 40		0,3				
MNZ	08 10 38,6	U	-0,3	1,18	282	4,3	4,1
SV	42,8						
SV	44,4						
TRZ	08 10 55		0,3				
SV	08 10 42,3		0,8	1,33	354	4,1	4,1
SV	49,7						
SV	11 00		0,8				
HEL	08 10 07						
PG	08 10 46,8	-0,2	1,73	256	3,6	3,6	4,0
SV	54,1	1,3					
SV	11 07	-1,6					
GNZ	08 10 19						
SV	08 10 53,5		0,3	2,01	326	3,9	4,0
SV	11 25	-0,5					
GNZ	08 10 31						
EPG	08 10 56		0,4	2,36	20	3,5	3,7
SV	11 09						
SV	26,7						
SV	28,5	-1,9					
TNZ	08 11 05	1,4	2,62	309	3,9	3,6	
COB	08 11 08	0,6	3,23	265	4,0	4,0	
SV	18,5						
SV	43,5	-1,3					
SV	59,5						
	H M S	DIR	RES	DIST	AZ	W-A <td>W-P</td>	W-P
SEP 11	10 36 35,4	41,08S	176,70E	12 KM SE 1,3	AVG MAG 69/54		
	0,02	0,02					
	H M S	DIR	RES	DIST	AZ	W-A <td>W-P</td>	W-P
CAZ	10 36 21		0,40	295			
SV	29						
MNZ	10 36 28,3	U	1,2	1,03	296	4,6	4,6
IPG	31,9		2,2				
HEL	10 36 34,6	U	0,3	1,47	261	3,8	4,7
SV	40,8						
SV	47,5						
SV	54		3,5				

SEP 12	H	M	S	40.49S	174.48E	33 KM	SE	1.0	AVG MAG	69/ 541	
				0.02	0.02					4.1	
	H	M	S	DIR	RES	DIST	AZ		W-A	W P	W S
MNG	IPV	16	08	33.4	D	-0.3	0.78	100	4.1	4.1	4.1
	SV			44.5		0.6					
WEL	IPV	15	03	33.7	D	-0.6	0.82	164	4.0	4.1	4.3
	SV			45.2		0.2					
TNZ	SV	16	03	37			1.31	357			
	SV			56		-0.8					
COB	PN	15	03	42.3		-0.6	1.45	245			
	SV			09 01.5		1.2					
GNZ	PN	16	03	44		-0.0	1.53	33			
	SV			09 04.2		1.9					
TRZ	SV	16	08	35		-0.9	2.03	63			
	SV			09 31							
KRP	PN	16	08	59.5		-0.5	2.69	18			
	SV			09 37							
KAI	SV	15	09	42			3.07	228	3.8		
GPZ	SV	15	09	57.5			3.48	202	3.7		
SEP 13	H	M	S	38.16S	176.27E	173 KM	SE	1.1	AVG MAG	69/ 541	
				0.05	0.04					4.2	
	H	M	S	DIR <th>RES</th> <th>DIST</th> <th>AZ</th> <th></th> <th>W-A</th> <th>W P</th> <th>W S</th>	RES	DIST	AZ		W-A	W P	W S
KRP	SV	05	14	12.5		0.3	0.52	291			
	SV			31		-0.3					
TUA	SV	05	14	14		-0.2	0.95	134			
	SV			34.0		-0.9					
GNZ	SV	05	14	18.1	U	1.9	1.19	208			
	SV			46.9							
GNZ	SV	05	14	19		0.3	1.46	110			
	SV			41.5		-1.3					
TRZ	SV	05	14	19.9		1.2	1.46	163			
	SV			44.5		1.7					
TNZ	SV	05	14	25			1.80	235			
MNG	IPV	05	14	30.9	U	0.1	2.53	194			
	SV			13 03.5		-0.5					
WEL	SV	05	14	40.1		-0.5	3.33	200	4.3	5.0	4.1
	SV			13 21		-0.5					
COB	SV	05	14	48.4		-0.7	4.00	222			
	SV			13 36		-0.7					
GPZ	SV	05	15	22		-5.5*	6.18	205			
SEP 13	H	M	S	40.67S	176.94E	12 KM	SE	0.8	AVG MAG	69/ 551	
				0.02	0.02					4.0	
	H	M	S	DIR	RES	DIST	AZ		W-A	W P	W S
MNG	IPV	06	28	18.7	U	-0.1	1.11	272			
	SV			20.7		-0.6					
	SV			23.5		0.0					
	SV			36.3							
	SV			38.1							
	SV			44.8							
TRZ	SV	05	28	18.6		-0.4	1.12	355			
	SV			22.5		1.0					
WEL	PN	05	28	28		-0.3	1.75	249	3.4	4.1	3.9
	SV			35		0.7					
	SV			50.4		0.2					
GNZ	SV	05	28	34		-1.5	1.82	324			
	SV			29 04							
GNZ	SV	06	28	29		0.9	2.19	23			
	SV			29 01							
TNZ	SV	05	28	46			2.46	306			
	SV			29 22.6		0.9					

LOCAL EARTHQUAKES

SEP 12	H	M	S	40.03S	174.96E	33 KM	SE	1.3	AVG MAG	69/ 551	
				0.02	0.02					4.5	
	H	M	S	DIR	RES	DIST	AZ		W-A	W P	W S
KRP	SV	06	23	58		-0.4	2.95	338			
	SV			27 38		-0.2					
COB	SV	06	29	00			3.21	261			
	SV			45		-2.1*					
SEP 13	H	M	S <th>40.03S</th> <th>174.96E</th> <th>33 KM</th> <th>SE</th> <th>1.3</th> <th>AVG MAG</th> <th>69/ 551</th>	40.03S	174.96E	33 KM	SE	1.3	AVG MAG	69/ 551	
				0.02	0.02					4.5	
	H	M	S	DIR	RES	DIST	AZ		W-A	W P	W S
MNG	IPV	23	09	57.7	U	-0.8	0.72	146			
	SV			13 10		0.3					
GNZ	IPV	23	10	01.2	U	-0.5	0.94	29			
	SV			02.9		-0.6	0.95	332			
TNZ	SV			17		0.5					
	SV			19.3							
WEL	PN	23	10	05.4		-0.7	1.27	186	4.2	4.3	4.9
	SV			21		-0.5					
	SV			26		0.3					
TRZ	PN	23	10	09.4		-0.0	1.51	72			
	SV			11.6							
	SV			35.7		2.6					
	SV			39							
COB	PN	23	10	15.6		-0.5	2.00	237			
	SV			40.7		1.5					
TUA	SV	23	10	20.6		-2.0	2.09	55			
	SV			48		-2.3					
KRP	PN	23	10	18.2		0.0	2.15	12			
	SV			24.5		1.0					
	SV			49							
	SV			59							
GNZ	SV	23	10	59		1.4	2.75	61			
KAI	SV	23	11	20		0.2	3.46	226			
GPZ	SV	23	11	26			4.05	204			
	SV			28.5							
NSZ	PN	23	11	25.4		1.6	6.98	226			
	SV			12 35.4		-1.4					
CIZ	SV	23	12	43		-7.7*	7.44	125			
FELT	WANGANUI, KAIPORE (57) AND OAKHURNE (49) MM IV										
SEP 14	H	M	S <th>39.27S</th> <th>175.09E</th> <th>33 KM</th> <th>SE</th> <th>1.3</th> <th>AVG MAG</th> <th>69/ 552</th>	39.27S	175.09E	33 KM	SE	1.3	AVG MAG	69/ 552	
				0.02	0.04					4.1	
	H	M	S	DIR	RES	DIST	AZ		W-A	W P	W S
GNZ	IPV	01	17	45.5	D	-0.9	0.36	79			
TNZ	IPV	01	17	49.3	U	-0.6	0.56	279			
	SV			59		0.4					
TRZ	SV	01	18	08			1.37	102			
	SV			11							
	SV			33							
MNG	PN	01	18	01.7	U	0.7	1.38	168			
	SV			05.9		2.0					
	SV			21.1		-1.3					
KRP	PN	01	18	01.4	D	0.2	1.39	15			
	SV			18.5		0.6					
WEL	PN	01	18	15		-1.9	2.03	187	3.9	4.2	4.3
	SV			18.3							
	SV			37		3.6*					
	SV			43.5		1.7					
COB	PN	01	18	16.3		-0.4	2.56	224			
	SV			20							
	SV			46		-0.4					
	SV			54							
KAI	SV	01	20	07.5			4.28	219			
FELT	OAKHURNE (49) MM IV										

SEP 15	H	M	S	44.49S	167.17E	12 KM	SE 1.3	AVG MAG	69/ 551	
	+	-		0.06	0.09	R			4.1	
	H	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
MSZ	IP	00	49	27.7	D	-1.2	0.57	109		
MW	P	00	49	42.8		0.8	1.33	166	4.4	4.1
	I			51.0						
	S			59		-0.7				
ROX	P	00	49	51		0.6	1.82	124	4.5	4.3
	S			50		0.5				
SEP 15	H	M	S <td>40.29S</td> <td>174.26E</td> <td>33 KM</td> <td>SE 1.3</td> <td>AVG MAG</td> <td>69/ 551</td>	40.29S	174.26E	33 KM	SE 1.3	AVG MAG	69/ 551	
	+	-		0.02	0.03	R			4.1	
	H	M	S <td>DIR <th>RES</th> <th>DIST</th> <th>AZ</th> <th>W-A</th> <th>W P</th> <th>W S</th> </td>	DIR <th>RES</th> <th>DIST</th> <th>AZ</th> <th>W-A</th> <th>W P</th> <th>W S</th>	RES	DIST	AZ	W-A	W P	W S
MNG	IPV	05	00	50.1	D	0.4	0.99	110	4.4	4.4
	P			51.0		-0.7				
	S			01		0.7				
HEL	IPV	05	00	51.6	U	0.8	1.07	159	3.8	4.1
	SV			01		0.8				
	S			08		0.6				
TNZ	PV	05	00	51.9		0.7	1.10	5	4.3	4.2
	IP			53.0		-0.2				
	SV			01		1.8				
	IS			09.3		1.1				
GNZ	IPV	05	00	56.4	U	0.1	1.47	43	4.3	4.4
	S			01		-2.5				
TRZ	EP	05	01	10		-0.2	2.10	70	4.4	4.3
	SV			43						
KRP	PV	06	01	10.7		-0.5	2.36	23		
	SV			38.2						
	S			44						
TJA	IPV	06	01	15		2.1	2.68	58	4.7	4.6
	SV			17						
	S			34		-1.3				
KAI	IP	05	01	20		3.10	2.23	223	4.2	
	SV			52		-1.5				
GNZ	IP	06	01	36		0.5	3.34	62	4.1	4.1
	SV			59		-0.5				
GPZ	SV	06	01	59		-7.1	3.61	199	4.3	
MSZ	EPV	06	02	02		-1.6	6.41	225		
	SV			03						
SEP 15	H	M	S <td>38.42S</td> <td>175.71E</td> <td>190 KM</td> <td>SE 1.9</td> <td>AVG MAG</td> <td>69/ 551</td>	38.42S	175.71E	190 KM	SE 1.9	AVG MAG	69/ 551	
	+	-		0.05	0.08	14			4.1	
	H	M	S <th>DIR</th> <th>RES</th> <th>DIST</th> <th>AZ</th> <th>W-A</th> <th>W P</th> <th>W S</th>	DIR	RES	DIST	AZ	W-A	W P	W S
KRP	IP	09	43	24.0	D	-0.0	0.52	345		
	IS			43.0		-1.1				
GNZ	P	09	43	27.7		2.3	0.78	169		
	SV			52						
TJA	P	09	43	29		0.7	1.19	109	4.5	4.4
	S			50.5		-1.3				
TRZ	P	09	43	32		1.7	1.42	143	4.1	4.4
	S			57		1.7				
GNZ	P	09	43	34.3		0.1	1.83	98	4.3	3.9
	S			44		-2.2				
MNG	P	09	43	39.3		1.1	2.20	184	3.7	4.1
	S			44		-0.2				
	I			10.5						
HEL	IS	09	44	25.5		0.5	2.95	194	3.9	3.9
GPZ	S	09	45	25		-3.3	5.75	203	4.4	

LOCAL EARTHQUAKES

SEP 15	H	M	S	41.72S	172.08E	12 KM	SE 1.9	AVG MAG	69/ 556	
	+	-		0.07	0.09	R			3.7	
	H <th>M</th> <th>S</th> <th>DIR</th> <th>RES</th> <th>DIST</th> <th>AZ</th> <th>W-A</th> <th>W P</th> <th>W S</th>	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
COB	PG	21	29	13.5		0.1	0.94	212	3.8	
KAI	SP	21	29	24.3		0.1				
	SV			32		2.2	2.02	168	3.6	
GPZ	SP	21	29	56		-0.4				
	SV			04		0.0	2.07	79	3.4	3.7
HEL	SP	21	29	44		0.9	2.80	68		3.7
	SV			50		-0.8				3.5
	SV			30		-1.5				
MSZ	IPV	21	30	00		2.6	4.23	225	3.4	3.6
	SV			50						
	SV			31		-3.0				
	SV			14						
FELT	MURCHISON (80)	4M	IV							
SEP 15	H <th>M</th> <th>S</th> <th>39.78S</th> <th>176.22E</th> <th>118 KM</th> <th>SE 2.1</th> <th>AVG MAG</th> <th>69/ 557</th>	M	S	39.78S	176.22E	118 KM	SE 2.1	AVG MAG	69/ 557	
	+	-		0.04	0.04	R			4.9	
	H <th>M</th> <th>S</th> <th>DIR</th> <th>RES</th> <th>DIST</th> <th>AZ</th> <th>W-A</th> <th>W P</th> <th>W S</th>	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
GNZ	IP	05	08	26.9	U	1.3	0.67	231	4.7	4.6
	SV			40.5		0.2				
TJA	IP	05	08	26.8	D	0.7	0.73	92	5.1	5.5
	SV			40.3		-0.9				
TRZ	IP	05	08	29.3		1.7	0.90	149	5.3	5.1
	I			31.1						
	S			44		0.2				
	I			49.5						
KRP	IP	05	08	28.6	DSE	-0.1	1.01	328		
	SV			42.7		-2.9				
GNZ	IP	05	08	34.5	DE	1.1	1.42	85	4.9	4.9
	SV			52.5		-1.2				
TNZ	IP	05	08	36.4	U	2.2	1.49	254	4.9	4.1
	SV			09						
MNG	IP	05	08	40.9	D	1.7	1.92	197	4.6	4.7
	SV			45.7						
	I			07		0.5				
	S			11.4						
ECZ	IP	05	08	43.6		1.6	2.13	60	4.8	5.0
HEL	P	05	08	50.8		0.6	2.74	204	4.8	4.5
	SV			57						5.1
	SV			09		23.2				
	SV			34						
ONE	SV	05	09	36		-1.6	3.55	333		
COB	SV						3.53	228		
KAI	SV	05	10	22.5		-0.7	5.23	223	4.7	4.8
GPZ	SV	05	10	25			5.60	208	5.0	
	SV			27.5		-4.7				
CTZ	EP	05	09	56.5		2.1	7.49	136		
	SV			11		-4.3				
MSZ	EP	05	10	11		2.4	8.55	224		
	SV			11		-6.9				
FELT	HAUNGATANIWA (52)									
SEP 15	H <th>M</th> <th>S</th> <th>34.81S</th> <th>173.64W</th> <th>33 KM</th> <th>SE 2.4</th> <th>AVG MAG</th> <th>69/ 558</th>	M	S	34.81S	173.64W	33 KM	SE 2.4	AVG MAG	69/ 558	
	+	-		0.13	0.27	R			4.7	
	H <th>M</th> <th>S</th> <th>DIR</th> <th>RES</th> <th>DIST</th> <th>AZ</th> <th>W-A</th> <th>W P</th> <th>W S</th>	M	S	DIR	RES	DIST	AZ	W-A	W P	W S
ECZ	EPV	09	35	16		0.9	3.67	217	4.6	4.4
GNZ	PV	09	35	31.2		0.4	4.67	214	4.3	4.3
	P			48.0		3.2				
	SV			37		1.1				
TJA	PV	09	35	36.5		0.2	5.23	219	5.0	4.8
	SV			37		2.1				

		H	M	S			DIR	RES	DIST	AZ	AVG MAG		
KRP	PV	09	36	43,5	-0,3	5,63	235				4,6	4,2	
ONE	EPN	09	36	52,5		5,80	258						
TRZ	EPN	09	36	47	-1,2	5,96	216						
	ESV			37 57									
CNZ	PV	09	35	53,7	-0,7	6,39	225						
	EPN			38 07									
CRZ	PN	09	37	05	0,5	7,17	271						
MNG	EPN	09	37	06	-2,1	7,44	217						
	ESV			38 25,5									
	ESV			39 21									
HEL	ESV	09	38	45	-4,3	8,29	217	5,4					
GPZ	ESV	09	39	51	-5,7	11,15	215	5,2					
SEP 16		09	50	17,3							69/557		
				0,9									
				0,04									
MNG	IP	09	50	38,4	U	1,7	1,06	309			4,1	3,9	
	I			44,8									
	S			51,3		0,4							
	SS			55,3		1,3							
HEL	IP	09	50	42,9	D	1,2	1,35	270	3,6	4,0	3,9		
	I			49,4									
	S			58,5		-1,3							
	SV			51 07									
TRZ	PS	09	50	48,9		0,3	1,76	7			4,2	4,2	
	S			51 12		0,1							
CNZ	PS	09	50	56,4		-0,4	2,24	339			4,0	3,7	
	S			51 06									
	S			23,5		-2,8							
TNZ	EPG	09	51	10,5		-1,4	2,69	321			3,9	3,4	
	S			36									
GNZ	EP	09	51	07		-0,9	2,88	23			3,5	3,7	
	SN			38		1,5							
GPZ	ESV	09	51	57		-0,3	3,76	229	3,8				
SEP 16		11	43	46,8							69/341		
				1,7									
				0,06									
MSZ	IP	11	44	09,2	U	1,1	0,43	24					
	I			16,5									
MNH	IP	11	44	08	U	-0,1	0,72	183			4,5	4,1	
	S			19,5		-1,4							
ROX	S	11	44	31		1,0	1,23	110					
WPZ	ES	11	44	42		0,6	1,79	153					
MJZ	P	11	44	24,4		0,3	2,27	63					
	S			52		-0,1							
GPZ	ES	11	45	28		-1,2	3,82	71	3,9				
SEP 16		12	23	09,8							69/341		
				1,8									
				0,06									
MSZ	IP	12	23	27,9	U	0,7	0,45	19					
MNH	IP	12	23	29,0	U	2,1	0,69	198			4,4	4,4	
	S			42,0		-1,4							
ROX	ES	12	23	41			1,19	109			4,1	4,1	
	S			53		0,9							
WPZ	ES	12	23	43			1,75	134			3,9	4,2	
	S			24 04		0,5							
MJZ	P	12	23	47,4		0,6	2,25	62					
	S			24 15		0,3							
GPZ	ES	12	24	50		-1,7	3,79	70	4,0				

LOCAL EARTHQUAKES

		H	M	S			DIR	RES	DIST	AZ	AVG MAG		
SEP 16		21	02	23,6							69/562		
				0,4									
				0,02									
MNG	IPN	21	02	35,1	U								
	SV			44									
CNZ	PN	21	02	40		-0,3	0,98	26			3,9	4,3	
	SV			52		-0,7							
HEL	PN	21	02	44		0,5	1,22	188	3,4	3,8	4,1		
	SN			03 00,5		2,1							
	SN			03		0,5							
	S								1,99	239	4,0	3,9	
COB	EPN	21	02	56		-1,0	2,20	11					
KRP	PS			03 02,3		-0,2							
	S			28									
	S			33		1,5							
	S			36									
GNZ	ESV	21	03	49		0,6	2,76	60					
GPZ	ESV	21	04	05		-1,5	4,01	205	4,1				
SEP 17		04	30	44,4							69/563		
				2,9									
				0,13									
				0,25									
ECZ	EPN	04	31	24,5		2,1	2,53	197			4,6	4,2	
GNZ	PS	04	31	34,9		-1,6	3,56	198			4,2	4,2	
	PS			46		-0,6							
	PS			32 09									
TUA	EPN	04	31	42,5		0,2	3,98	207			4,7	4,6	
	PN			32 32,5									
KRP	EPN	04	31	48		3,9	4,12	229			4,0		
	PN			32 31									
CHZ	PN	04	31	58		1,7	5,01	217			4,1	3,7	
	PN			33 06									
CRZ	EPN	04	32	03		-1,6	5,63	277			4,5		
MNG	EPN	04	32	09		-3,2	6,19	209					
	ESV			36									
	ESV			33 21		1,0							
	ESV			34 12									
GPZ	ESV	04	34	47		-1,9	9,92	210	5,1				
SEP 17		05	12	20,0							69/564		
				1,6									
				0,08									
				0,11									
GNZ	EPN	05	13	10									
	EPN			19									
	EPN			39		-0,2							
KRP	PS	05	13	05,4		-0,1	2,05	234					
	S			41		0,1							
TUA	EPN	05	13	06,5		0,5	2,12	190			4,6	4,6	
	EPN			41		-0,9							
TRZ	EPN	05	13	57,3		2,0	2,90	192					
CHZ	EPN	05	13	16		1,7	2,97	213			4,1	3,7	
	EPN			14 05									
TNZ	EPN	05	13	24			3,55	225					
MNG	PS	05	13	27		-1,3	4,24	203			4,5	4,5	
	PS			14 20		-1,6							
HEL	PS	05	13	39		1,0	5,07	205	4,8	4,5	4,4		
	S			14 38		-1,1							
SEP 17		13	01	31,8							69/565		
				0,4									
				0,02									
				0,02									
ROX	PS	13	01	38,8		-1,3	0,42	166					
	SS			46		-0,5							

STATION	IP*	13 01 48,4	-1,2	0,98	293					
MSZ	IP*	13 01 48,4	-1,2	0,98	293					
	S*	02 02,5	-0,3							
MNW	IP*	13 01 56	0,8	1,31	236					
	S*	02 14,5	1,8							
HJZ	IP*	13 01 55	-1,1	1,42	41					
	S*	02 16,5	0,3							
WZ	IP*	13 01 58,5	-1,0	1,61	188					
	S*	02 21	1,0							
GPZ	IP*	13 03 00,5	1,6	2,84	62					
	S*									
SEP 17	H M S	13 07 13,6	39,16S	170,02E	248 KM	SE	1,2			
			0,21	0,21	33					
			4	5	DIR	RES	DIST	AZ		
GNZ	IP*	13 08 13,9	-0,3				3,48	180		
	S*	09 58	-1,0							
TUA	IP*	13 09 04	0,3				3,71	191		
	S*	09 22	0,8				4,49	192		
GNZ	IP*	13 08 33	1,7				4,49	205		
	S*	09 53	-0,3							
MNG	IP*	13 08 41,5	-0,4				5,81	199		
	S*	09 48,5	-0,8							
SEP 17	H M S	13 11 43,1	37,88S	177,63E	117 KM	SE	2,1			
			0,06	0,07	12					
			4	5	DIR	RES	DIST	AZ		
ECZ	IP*	13 12 05,0	0,1				0,75	76		
	S*	19	-1,0							
GNZ	IP*	13 12 06,2	0,7				0,82	198		
	S*	20,2	-0,9							
TUA	IP*	13 12 08	0,8				1,00	202		
	S*	15	-1,0							
KRP	IP*	13 12 15,2	0,5				1,66	268		
	S*	34,3	-2,8							
TRZ	IP*	13 12 20,5					1,79	200		
	S*	47								
GNZ	IP*	13 12 23	2,8				2,10	230		
	S*	49	2,4							
GNZ	IP*	13 12 24,4	0,3				2,39	313		
	S*	35,4	0,3				2,86	242		
MNG	IP*	13 12 36	1,0				3,20	211		
	S*	45								
AE	IP*	13 13 35	2,2				4,06	212		
	S*	54	1,6							
GPZ	IP*	13 14 40	-3,3				6,93	211		
	S*	13 15 10	-3,2				8,16	219		
FELT	CHAI0 (28)	MM IV								
SEP 17	H M S	18 21 13,4	40,48S	174,43E	12 KM	SE	1,6			
			0,02	0,03	2					
			4	5	DIR	RES	DIST	AZ		
MNG	IP*	18 21 29,2	0,7				0,82	100		
	S*	41,6	1,1				0,85	162		
WEL	IP*	18 21 29,7	0,7				0,85	162		
	S*	42,8	0,6							
GNZ	IP*	18 21 36,2	-0,4				1,29	358		
	S*	44,0								
TRZ	IP*	18 21 57,9	0,4							
	S*									

LOCAL EARTHQUAKES

STATION	IP*	18 21 39,4	-0,9	1,54	34					
GNZ	IP*	18 21 39,4	-0,9	1,54	34					
	S*	45,2	0,5							
TRZ	IP*	18 21 47	-0,1				2,06	64		
	S*	52,5	2,1							
	S*	57,2	1,1							
TUA	IP*	18 22 06	-1,8				2,69	32		
	S*	43	-1,0							
KRP	IP*	18 21 55,8	-0,1				2,69	19		
	S*	22 01,0	0,4							
	S*	07,1	-0,8							
	S*	28,6	0,8							
	S*	33,5	2,0							
KAI	IP*	18 22 06	-0,7				3,05	227		
	S*	37,7								
GNZ	IP*	18 22 09	-1,3				3,33	38		
	S*	19	-2,5							
	S*	30	-1,8							
GPZ	IP*	18 22 11	-3,0				3,48	202		
	S*	44	-2,5							
	S*	54,2	-3,4							
MJZ	IP*	18 22 23	1,8				4,57	212		
	S*	23 16,6	3,6							
ONE	IP*	18 23 16	0,1				4,70	359		
	S*	18 22 44					6,19	347		
MSZ	IP*	18 22 45	0,9				6,37	227		
	S*	23 57								
CIZ	IP*	18 23 09,5	5,8				7,93	120		
	S*	24 29,5								
FELT	SOUTHERN NORTH ISLAND, MAXIMUM INTENSITY MM IV									
SEP 17	H M S	22 08 49,7	40,47S	174,47E	12 KM	SE	1,4			
			0,31	0,02	2					
			4	5	DIR	RES	DIST	AZ		
MNG	IP*	22 09 09,3	1,1				0,79	101		
	S*	16,5	0,1							
WEL	IP*	22 09 09,5	1,4				0,84	164		
	S*	15,5	-0,1							
TRZ	IP*	22 09 12	-0,3				1,29	357		
	S*	29	-1,0							
GNZ	IP*	22 09 16,1	-0,1				1,92	33		
	S*	17,9	1,1							
	S*	23	2,3							
TRZ	IP*	22 09 28	-2,7				2,03	64		
	S*	10 03								
TUA	IP*	22 09 42,5	-0,9				2,66	52		
	S*	22 09 31,8	-0,2				2,68	18		
	S*	37,1	0,5							
	S*	42,6	-1,3							
	S*	10 03,5	-0,2							
	S*	10	-1,3							
KAI	IP*	22 10 15	-1,2				3,08	227		
	S*	18,3	1,9							
GNZ	IP*	22 09 56	-0,4				3,70	58		
	S*	10 21,5	3,1							
GPZ	IP*	22 09 49	-1,5				3,49	202		
	S*	10 20,4	-2,7							
	S*	29,5								

MJZ	H	M	S	22 10 02	4.60	219			
ONE	MSN			22 10 54	2.2	4.69	359		4.3
MSZ	MSN			22 10 21	-0.9	6.40	227		
	MSN			11 33	0.0				
SEP 18	H	M	S	05 18 19.4	38.51S	176.17E	153 KM	SE 2.0	AVG MAG 69/ 377
				2.2	0.07	0.08	19		3.1
KRP	P			05 18 43.0				DIR RES	
	S			05 18 59.8				DIST AZ	
CNZ	IP			05 18 45.3				H-A W P W S	
TRZ	P			05 18 47.9					
				19 11					
GNZ	IP			05 18 49					
	S			19 10.5					
MNG	IP			05 18 58.5					
	S			19 25.3					
HEL	IP			05 19 45					
GPZ	MS			05 20 48					
SEP 18	H	M	S	18 09 33.9	38.52S	176.93E	55 KM	SE 1.4	AVG MAG 69/ 377
				0.8	0.04	0.04	10		4.1
TJA	IP			18 09 45.6				DIR RES	
	S			53				DIST AZ	
				56.4				H-A W P W S	
GNZ	IP			18 09 52.8					
	I			54.0					
	S			10 05.5					
TRZ	P			18 09 54.3					
				10 10					
CNZ	P			18 09 57.8					
	S			10 14					
KRP	P			18 09 57.4					
	S			10 13.6					
ECZ	E			18 10 12					
TRZ	IP			18 10 11					
MNG	IP			18 10 10					
				16.9					
				49					
HEL	IP			18 10 59					
GPZ	MS			18 12 05					
FE_T	HAUNGATARI	HA	(32)						
SEP 18	H	M	S	19 10 30.9	34.56S	178.25W	33 KM	SE 1.7	AVG MAG 69/ 377
				2.1	0.10	0.20	8		4.7
ECZ	IP			19 11 52				DIR RES	
GNZ	PV			19 12 04.0				DIST AZ	
				14				H-A W P W S	
				13 00					
TJA	PV			19 12 11					
	SV			13 15					
KRP	PV			19 12 16.1					
	SV			28					
TRZ	IP			19 12 19.5					
	MSN			13 32					
CRZ	IP			19 12 36					
MNG	IP			19 12 40.5					
	MSN			14 03					
GPZ	MSN			19 15 31					

LOCAL EARTHQUAKES

SEP 18	H	M	S	19 56 33.2	39.30S	174.84E	229 KM	SE 1.6	AVG MAG 69/ 573
				1.8	0.08	0.13	10		4.1
GNZ	IP			19 57 27				DIR RES	
	S			19 57 04.8				DIST AZ	
				27				H-A W P W S	
MNG	IP			19 57 10.7					
	S			37.1					
HEL	IP			19 57 46.5					
GNZ	IP			19 57 20.4					
	S			54					
GPZ	MS			19 58 39.5					
SEP 18	H	M	S	20 05 30.5	44.94S	167.63E	51 KM	SE 1.2	AVG MAG 69/ 574
				1.4	0.04	0.06	10		4.0
MSZ	P			20 05 44.3				DIR RES	
	S			53.5				DIST AZ	
MVA	IP			20 05 48.1				H-A W P W S	
	S			05 00					
ROK	IP			20 06 12					
WPZ	IP			20 06 02.5					
	ES			25.5					
GPZ	ES			20 07 10.5					
SEP 18	H	M	S	23 14 38.3	40.06S	175.09E	33 KM	SE 0.9	AVG MAG 69/ 575
				0.3	0.01	0.03	3		3.7
MNG	IP			23 14 48.1				DIR RES	
	SV			56.7				DIST AZ	
CNZ	IP			23 14 53.1				H-A W P W S	
	IS			07.2					
TRZ	P			23 14 54.8					
	S			15 10					
HEL	PV			23 14 56.5					
	SV			15 12					
KRP	IP			23 15 16					
	S			41.7					
SEP 19	H	M	S	00 25 29.5	35.70S	179.37E	12 KM	SE 2.2	AVG MAG 69/ 576
				1.6	0.36	0.11	7		4.6
ECZ	PV			00 26 05				DIR RES	
	SG			44				DIST AZ	
GNZ	PV			00 26 17.3				H-A W P W S	
	SV			56					
GPZ	PV			00 26 18.4					
	P			26					
TJA	PV			00 26 24.5					
	SV			27 07					
KRP	PV			00 26 27.4					
	SG			45					
	SV			27 13					
TRZ	IP			00 26 34					
	SV			27 31					
CNZ	PV			00 26 39					
	SV			27 41					
TRZ	IP			00 26 33.5					
	P			27 17					
CRZ	PV			00 26 52.2					
MNG	IP			00 26 51.5					
	SV			27 05.8					
	S			28 23					

		H	M	S			DIR	RES	DIST	AZ			
WEL	SV	12	42	11.4	-3.0	8.35	219	5.5					
CIZ	E	12	41	00		9.19	172						
GPZ	ESV	12	43	15	-5.0	11.19	216	5.5					
SEP 20	H M S	21	02	33.9	45.33S	167.20E	113 KM	SE	1.4	AVG MAG	69/582	4.1	
					0.06	0.08	13						
MVA	IP	21	02	50.0	-1.5	0.54	147						
MSZ	P	21	02	53.3	-0.6	0.83	38						
ROX	IP	21	03	03.0	1.6	1.50	96						
RPZ	S	21	03	04.3	-0.1	1.76	143						
MJZ	IP	21	03	12.3	-0.4	2.69	61						
GPZ	S	21	03	38.0	0.9	4.22	69	4.6					
COB	E	21	04	32.0	0.6	5.85	46						
MVA	ES	21	04	32.0	-1.3	7.68	55						
SEP 21	H M S	01	00	03.1	40.84S	175.84E	12 KM	SE	1.0	AVG MAG	69/581	3.9	
					0.02	0.03	2						
MVA	IP	01	00	10.1	-0.1	0.35	309						
WEL	IP	01	00	19.8	-0.2	0.92	241	3.4	3.9	4.1			
TRZ	PN	01	00	28.4	-0.9	1.49	31						
GNZ	PN	01	00	31.7	-0.5	1.66	352						
TNZ	PN	01	00	38.0	1.0	2.00	329						
KRP	PN	01	00	54.0	-0.4	2.92	355						
GPZ	PN	01	01	44.0	-1.8	3.71	219	3.5					
SEP 21	H M S	01	58	24.7	40.44S	174.31E	33 KM	SE	1.2	AVG MAG	69/584	4.1	
					0.02	0.02	2						
MVA	IP	01	58	41.1	0.6	0.91	102						
WEL	IP	01	58	42.4	-0.1	0.91	102						
TNZ	IP	01	58	45.3	-1.1	0.91	158	3.5	3.9	4.2			
COB	IP	01	58	46.0	-0.2	1.25	3						
GNZ	IP	01	58	47.9	0.9	1.25	3						
COB	IP	01	58	59.3	0.3	1.36	241						
GNZ	IP	01	58	59.3	-1.5	1.57	38						
TRZ	IP	01	59	03.0	2.0	2.13	66						
KRP	IP	01	59	04.3	2.4	2.69	21						

LOCAL EARTHQUAKES

		H	M	S			DIR	RES	DIST	AZ			
KAI	SV	01	59	44.0	-0.4	3.01	225	3.8					
GNZ	SV	01	59	50.0	0.8	3.39	59						
GPZ	SV	01	59	14.5	-2.4	3.48	200	4.1					
MJZ	SV	01	59	36.0	-1.2	4.55	218						
MSZ	SV	02	00	20.0	-3.6	6.33	225						
SEP 21	H M S	13	16	03.0	50.03S	164.43E	33 KM	SE	1.4	AVG MAG	69/585	4.7	
					0.15	0.16	2						
RPZ	IP	13	17	07.2	-0.4	4.48	43						
MVA	IP	13	17	11.8	-1.6	4.76	28						
GNZ	IP	13	17	23.0	0.3	5.52	38						
ROX	IP	13	17	23.0	-0.1	5.52	38						
MSZ	IP	13	17	26.5	-0.9	5.86	25						
MJZ	IP	13	17	44.0	0.2	7.32	37						
GPZ	IP	13	18	03.0	-1.9	8.47	45	3.2					
SEP 21	H M S	16	50	49.2	38.90S	178.62E	12 KM	SE	1.3	AVG MAG	69/586	4.2	
					0.03	0.05	2						
GNZ	IP	16	51	00.0	-0.3	0.94	298						
TUA	IP	16	51	10.0	-0.7	1.15	274						
ECZ	IP	16	51	10.5	-1.0	1.21	357						
TRZ	IP	16	51	17.0	-0.5	1.54	244						
GNZ	IP	16	52	05.0	1.5	2.41	252						
KRP	IP	16	51	37.0	1.9	2.61	291						
MVA	IP	16	51	36.6	1.1	2.07	234						
GPZ	IP	16	53	35.0	-0.3	6.57	221	4.7					
SEP 22	H M S	04	56	49.5	42.01S	171.74E	12 KM	SE	1.5	AVG MAG	69/587	4.6	
					0.02	0.03	2						
KAI	IP	04	56	59.0	-1.3	0.97	205						
COB	IP	04	57	05.0	-1.4	1.19	39						
GNZ	IP	04	57	05.0	-2.0	1.65	157						
GNZ	IP	04	57	19.2	0.3	1.65	157						
GNZ	IP	04	57	38.8	1.1	1.65	157						
GNZ	IP	04	57	49.0	3.6	1.65	157						
GNZ	IP	04	57	59.5	1.3	1.65	157						
GNZ	IP	04	57	18.5	-0.5	1.81	159	4.5					

STATION	TIME	SL	ML	MS	DEPTH (KM)	DIRECTION	DISTANCE (KM)	AZIMUTH	MAGNITUDE	WAVELENGTH (M)	PERIOD (S)	AMPLITUDE (mm)	PHASE
IPG	04 57	24.9	-1.3										
SV		40.5	-1.8										
IS		44.7	-0.9										
MJZ	04 57	24.5	-0.4	2.18	205				4.5	4.3			
SV		34.1	0.4										
SV		33	1.9										
SV	04 57	02.5	-0.7										
SV		25.1	0.4	2.38	73				4.3	4.9			
SV		31.0	-0.4										
IPG		37.6	-0.2										
HE (S*)	04 57	01.5	-1.4										
IPG		05.4											
IPG		10.3	0.3										
MNG	04 57	38.1	0.1	3.15	65				5.0	4.8			
SV		45.2	0.7										
IPG		49.5											
IPG	04 57	19.3	1.5										
SV		27.2	-1.4	3.85	225				4.5	4.4			
SV		53.31	-0.6										
SV		54.5	-4.3										
RDX	04 57	57	-0.0	3.88	206				4.5	4.4			
SV		53.09	1.0										
SV		34	1.7										
SV	04 57	00	-0.3										
SV		54.8	-4.9	4.04	47				4.8	3.1			
SV		04.9											
SV		19.3											
SV		46											
SV		59.5											
MNH	04 58	06.7	1.1	4.80	217				4.6	4.4			
SV		20	-0.4										
SV		57	2.5										
KRP	04 58	04.3	1.0	5.02	37								
SV		59.02	2.2										
SV		19	-3.0										
SV		36	-2.7										
GNZ	04 58	29.7	-1.3	5.86	57				4.2	4.1			
SV		59.21.5	1.4										
ESG	05 00	11.6	4.4										
DNE	04 59	46		6.56	19				4.8				
CRZ	04 58	41	3.1	7.60	6								
SV	05 00	04.5											
FELT RECEPION (86)													
H M S	07 20	31.0	39.78S	174.09E	154 KM	SE	1.1		AVG MAG	4.2			
+		0.8	0.03	0.04	7								
TRZ	07 21	14	0.4	0.62	25				3.8	3.7			
SV		31	0.1										
GNZ	07 21	20	1.0	1.29	55				3.7				
SV		40	-0.4										
MND	07 21	21.7	1.6	1.40	129				4.6	4.3			
SV		42.3	-0.4										
HE	07 21	24.0	1.6	1.62	160				4.0	4.0	4.7		
SV		46	-0.6										
TRZ	07 21	32		2.15	95								
SV		35											
SV		58	0.7										
KRP	07 21	29	0.3	2.17	33								
SV		57	-3.5										
GNZ	07 21	42.1	-3.7	3.28	71				4.4				
SV		22.15											
SV		17											
SV		21	-1.6										
KAI	07 22	24	-1.5	3.41	215				4.0				

STATION	TIME	SL	ML	MS	DEPTH (KM)	DIRECTION	DISTANCE (KM)	AZIMUTH	MAGNITUDE	WAVELENGTH (M)	PERIOD (S)	AMPLITUDE (mm)	PHASE
LOCAL EARTHQUAKES													
GPZ	07 22	35	-4.9	4.07	194				4.5				
H M S	11 49	50.5	41.07S	175.48E	12 KM	SE	1.6		AVG MAG	3.3			
+		1.7	0.09	0.13	7								
TRZ	11 49	58.7	0.5	0.46	360								
SV		50.5	-0.5										
SV	11 50	01	-0.5	0.58	248				3.1				
SV		08	-1.6										
SV		12.5	2.1										
TRZ	11 50	53	0.6	1.93	34								
FELT PONATAHI (70) MM IV													
H M S	13 20	45.2	44.23S	167.69E	12 KM	SE	1.0		AVG MAG	3.6			
+		0.8	0.03	0.04	7								
TRZ	13 20	59.5	0.7	0.47	160								
SV		21.02.0	0.7										
MND	13 21	11	-1.1	1.55	182				3.9	3.8			
SV		14	1.2										
SV		32	-0.0										
SV		38	0.5										
RDX	13 21	35.4	0.0	1.70	138								
SV		15.21.18	-0.2	2.01	84				3.2	3.3			
MJZ		43	0.4										
SV		13.21.56	-0.4	2.56	162								
SV		22.02	-1.5										
H M S	13 25	52.1	39.58S	177.71E	12 KM	SE	1.9		AVG MAG	4.0			
+		1.3	0.07	0.06	7								
TRZ	13 26	10.5	-1.3	0.68	269								
SV		13											
TUA	13 26	06.2	-1.6	0.96	329								
SV		13.7											
GNZ	13 26	10.5	-0.6	0.94	15				3.7	3.9			
SV		17.2											
SV		23.4	-0.4										
GNZ	13 26	25	2.6	1.71	281				3.7	3.6			
SV		26.5	-0.2										
SV		30											
SV		49	-0.8										
ECZ	13 26	42		1.97	20								
SV		49	0.6										
MND	13 26	21.8	-3.3	2.01	237								
SV		29.5	1.9										
SV		35											
KRP	13 26	35	1.7	2.35	313								
TRZ	13 26	45	1.3	2.60	277								
HE	13 26	29		2.84	231				3.9	4.0	3.9		
SV		52											
GNZ	13 26	53		3.76	331								
SV		27.02											
GPZ	13 27	51		5.62	221								
MJZ	13 26	47		7.00	228								
H M S	22 44	00.6	41.58S	172.33E	12 KM	SE	1.5		AVG MAG	3.6			
+		0.5	0.03	0.04	7								
KAI	22 44	23	0.1	1.18	216								
SV		39	-0.2										
SV		45											
HE	22 44	30	-1.6	1.44	82				3.4	3.8	3.9		

STATION	DATE	TIME	MAG	DEPTH	EPICENTRE	AVG MAG	69/599
KRP	05 48 08	05 47 29,3	-3.1	1.99	331	3.1	3.8
WEL	05 47 35	05 47 30,3	-1.0	2.23	223	4.0	3.9
KAI	05 48 10	05 48 10	1.3	4.96	233	4.6	4.4
MJZ	05 48 27,8	05 48 27,8	-0.2	6.39	225		
CIZ	06 48 28,8	06 48 28,8	-1.6	6.57	133		
MSZ	05 49 04	05 49 04		8.26	230		
FELT TARADALE (60)	05 50 17		-5.5*				
SEP 25	12 00 35,9	37,80S 179,84E	90 KM	SE 1,9		AVG MAG	69/599
ECZ	12 00 56,2	0,05 0,05	16	DIR	RES	DIST	AZ
GNZ	12 01 05		0,7	1,66	239	4,8	5,2
TUA	12 01 14		-1,3	0,6	2,34	244	5,1
TRZ	12 01 32		0,7		2,94	233	5,1
WNZ	12 02 00		3,8		3,06	253	
KRP	12 01 28		-0,1	3,41	267	4,5	5,3
CNZ	12 01 32		-2,6	0,6	3,65	246	4,8
GBZ	12 01 32,7		-1,5		3,83	293	4,5
AUC	12 01 37,5		-0,7	4,14	282		
MNG	12 01 40,6		-1,2	4,40	229	4,7	4,8
TNZ	12 01 46		-3,3	2,8	4,50	250	4,6
ONE	12 01 48		0,2	4,84	293		
WEL	12 01 55		1,7	5,24	227	5,4	4,8
CRZ	12 02 14		-2,1	3,5	6,70	298	
CIZ	12 02 16,4		2,6	5,72	157		
KAI	12 02 33		1,8	8,00	231	5,4	
MJZ	12 02 49		-1,3	9,41	226		

STATION	DATE	TIME	MAG	DEPTH	EPICENTRE	AVG MAG	69/599
MSZ	04 29	12 03 20	-0,2				
SEP 25	12 03 16		-4,6*		11,29	229	
SEP 25	12 22 14,3	36,00S 179,46E	12 KM	SE 1,7		AVG MAG	69/599
ECZ	12 22 54	0,06 0,14	3	DIR	RES	DIST	AZ
GNZ	12 22 58		-1,3	2,88	203	4,0	3,9
GRZ	12 23 05		1,1	3,23	265		
TJA	12 23 56		0,7	3,35	213	4,4	4,3
KRP	12 23 10		-0,1	3,68	237	3,9	3,8
TRZ	12 24 06		0,3	4,12	210		
ONE	12 23 12		4,15	272	4,1		
CNZ	12 23 20		-0,5	4,46	223	4,2	3,8
TNZ	12 23 39		-0,8	5,14	230	4,5	
MNG	12 23 34		-1,4	5,57	213	4,2	3,5
WEL	12 25 07		5,7*	6,43	213	5,0	
SEP 26	04 31	NEAR TAUPD				AVG MAG	69/600
WNZ	04 31 17,4					2,5	
FELT TAUPD							
SEP 27	05 06 39,6	38,30S 178,03E	12 KM	SE 0,9		AVG MAG	69/601
GNZ	05 06 46,2	0,04 0,05	2	DIR	RES	DIST	AZ
TJA	05 06 59,3		-0,3	0,34	183	4,4	4,5
TRZ	05 07 11,0		-0,2	0,87	234		
KRP	05 07 20,0		0,4	1,57	217	4,0	4,0
CNZ	05 07 23,0		-0,5	2,01	250	3,3	
MNG	05 07 43,0		-0,7	2,15	245	3,9	
SEP 27	18 14 45,6	34,17S 178,57E	271 KM	SE 1,1		AVG MAG	69/602
ECZ	18 15 45,5	0,06 0,06	5	DIR	RES	DIST	AZ
GNZ	18 15 55,5		1,5	3,52	182	5,6	5,5
KRP	18 15 59,0		-1,1	4,49	135	4,9	5,0
TJA	18 15 59,0		-1,0	2,1	4,52	213	4,3
TRZ	18 15 59,0		2,1	4,79	194	5,1	5,4
MNG	18 16 29,0		-0,2	5,57	195	5,0	5,3
WEL	18 16 36,0		0,0	6,92	201		
	18 16 43,5		-1,1	7,74	202	5,8	
	18 16 58,5		-1,4				
	18 17 00,5		-0,5				

		H	M	S	45,20S	167,29E	33 KM	SE	0,8	AVG MAG	69/502	
		H	M	S	0,02	0,04	R	DIR	RES	DIST	AZ	
		H	M	S	U					W-A	W P W S	
KAI	S	18	19	04,5						10,10	212	5,8
CIZ	MS	18	17	16,0						10,45	161	
	MS	19	05,0									
MJZ	MS	18	17	29,0						11,68	211	
	MS	19	17	32,0								
MSZ	MS	19	17	47,0						13,36	215	
	MS			52,5								
	MS	19	12,0									
SEP 28	H M S	02	43	12,7	45,20S	167,29E	33 KM	SE	0,8	AVG MAG	69/502	
	H M S			0,6	0,02	0,04	R	DIR	RES	DIST	AZ	
	H M S				U <td></td> <td></td> <td></td> <td></td> <td>W-A</td> <td>W P W S</td>					W-A	W P W S	
MNH	IPV	02	43	25,0						0,62	158	
	SN			34,1								
MSZ	PN	02	43	25,5						0,69	40	
	IP			26,3								
	SV			34,0								
ROX	S*	02	43	58,6						1,46	102	
WPZ	EP*	02	43	44,5						1,82	144	
	S*			44,08,6								
MJZ	MS	02	44	00,5						2,57	63	
	MS			27,0								
	S*			33,0								
										1,0		
SEP 28	H M S	04	05	34,2	45,19S	167,22E	33 KM	SE	0,7	AVG MAG	69/504	
	H M S			0,6	0,02	0,03	R	DIR	RES	DIST	AZ	
	H M S				U <td></td> <td></td> <td></td> <td></td> <td>W-A</td> <td>W P W S</td>					W-A	W P W S	
MNH	IPV	04	05	47,0						0,69	196	
	SN			56,0								
MSZ	IPV	04	05	47,2						0,69	46	
	SN			55,5								
ROX	EP*	04	06	02,5						1,52	103	
	MS			20,0								
	S*			22,0						0,1		
WPZ	EP*	04	06	07,0						1,89	143	
MJZ	PN	04	06	20,5						2,60	64	
	MS			24,7								
	MS			49,0								
	S*			54,0								
	MS			07 01,0						-0,2		
SEP 28	H M S	10	04	00,0	36,50S	179,53E	33 KM	SE	2,2	AVG MAG	69/501	
	H M S			1,4	0,05	0,09	R	DIR	RES	DIST	AZ	
	H M S				U <td></td> <td></td> <td></td> <td></td> <td>W-A</td> <td>W P W S</td>					W-A	W P W S	
ECZ	PN	10	04	25,2						1,43	213	
	S*			26,1						0,2		
	MS			44,0						-1,1		
	MS			51,0								
GNZ	IPV	10	04	37,8						2,45	209	
	MS			38,7								
	SV			05 08,0						3,1		
	S*			16,5						0,8		
TJA	IPV	10	04	45,5						1,3	2,98	219
	PN			58,0						3,7		5,3 5,5
	MS			47,5								
	MS			05 21,0						3,3		
	MS			25,8								
GBZ	IPV	10	04	48,5						3,28	274	
	MS			50,2								
	MS			05 14,0								
	SN			25,0						-0,1		
KRP	EPV	10	04	51,0						-0,1	3,49	245
	PN			05 01,5						0,5		4,5 4,3
	MS			04 54,5								

LOCAL EARTHQUAKES

		H	M	S	38,04S	176,55E	167 KM	SE	1,2	AVG MAG	69/506	
		H	M	S	0,04	0,03	R	DIR	RES	DIST	AZ	
		H	M	S	U					W-A	W P W S	
TRZ	SN	10	04	15,6						-0,7		
	SN			29,5								
	SN			33,6						-0,7	3,72	214
	SN			55,0								4,7 4,9
	SN			37,5						1,6		
	SN			13,7								
GNZ	SN	10	05	02,3						2,2	4,15	228
	SN			04,5						3,0	4,25	278
	SN			04,0								4,7
ONE	SN	10	05	15,4							4,88	235
	SN			23,0						-1,8		4,7
TRZ	PN			33,4								
	PN			11,5						-2,8	5,19	216
	PN			31,0						0,8		4,4 4,4
	PN			08,0						-3,5		
GRZ	SN	10	05	27,0							5,96	288
	SN			23,5						-0,4	6,05	216
	SN			35,5								5,3
	SN			27,3						-4,9		
	SN			43,0								
	SN			07 05						1,3		
COB	PN	10	05	38,0						-0,8	7,01	227
	PN			50,0								
	SN			06 52,5						-2,6		
	SN			07 11,0								
KAI	SN	10	07	33,5						-1,8	8,69	224
MJZ	PN	10	06	19,5						-1,6	10,19	220
	SN			03 04,5						-5,3		5,4
SEP 28	H M S	20	04	43,4	38,04S	176,55E	167 KM	SE	1,2 <td>AVG MAG</td> <td>69/506</td>	AVG MAG	69/506	
	H M S			0,8	0,04	0,03	R	DIR	RES	DIST	AZ	
	H M S				U <td></td> <td></td> <td></td> <td></td> <td>W-A</td> <td>W P W S</td>					W-A	W P W S	
KRP	EP	20	05	08,5						-0,2	0,81	278
	IS			27,2						-0,9		
	IS			09,8						0,5	0,90	149
TUA	IS	20	05	29,0						-0,2		
	IS			13,0						0,3	1,30	118
GNZ	IS	20	05	34,0						-1,3		
	IS			14,5						0,8	1,40	214
CHZ	S	20	05	38,0						1,0		
	S			15,6						0,7	1,53	172
TRZ	MS	20	05	41,0						1,8		
	MS			15,5						-0,3	1,61	78
ECZ	MS	20	05	41,2						0,5		
	MS			26,0							2,05	235
	MS			55,0								
MJZ	PN	20	05	28,3						-0,3	2,71	198
	PN			56,0								
	PN			01,0						-2,2		
	PN			39,0						0,2	3,53	202
	PN			20,0						-1,4		4,7 3,8 4,5
COB	SN	20	05	47,5						-0,6	4,24	223
	SN			37,0								4,0 4,4
	S			39,5						1,6		
SEP 29	H M S	03	33	31,6	38,04S	176,33E	217 KM	SE	1,0 <td>AVG MAG</td> <td>69/507</td>	AVG MAG	69/507	
	H M S			0,8	0,04	0,04	R	DIR	RES	DIST	AZ	
	H M S				U <td></td> <td></td> <td></td> <td></td> <td>W-A</td> <td>W P W S</td>					W-A	W P W S	
KRP	IP	03	34	00,5						-0,7	0,43	280
	S			24,6						0,4		
TJA	S	03	34	03,0						-3,2	1,01	140
	MS			28,5						0,7		5,1 4,9
	MS			32,0								
GNZ	IP	03	34	06,0						3,6	1,31	207
	IP			31,0						-0,7		4,3 3,6
	MS			54,0								

Station	H	M	S	Mag	Dir	Res	Dist	Az	W-A	W-P	W-S	Avg Mag
WEL	15	23	40.6	1.8	2.19	81	3.8	4.1	4.2			
MJZ	13	23	14	-2.3	2.56	204						
MNG	15	23	19	3.2	2.90	70						
TNZ	15	23	28	0.3	3.11	38						
GNZ	15	23	32.5	3.71	50							
TRZ	15	23	59.3	4.30	62							
KRP	15	23	45	2.6	4.66	38						
GNZ	15	24	58.5	1.5	5.57	59						
FELT WESTPORT (79) AND MURCHISON (80) MM IV 3.6												
UCI 06	02	45	03.2	32.38S	174.39W	322 KM	SE	1.8				AVG MAG 69/ 3.6
GBZ	02	46	42	2.1	6.35	231						
GNZ	02	46	46	-0.4	6.89	204						
ONE	02	46	53	5.6	6.90	239						
TJA	02	48	19	3.0	7.36	208						
KRP	02	46	51.5	-1.4	7.43	220						
CRZ	02	46	57.5	0.9	7.74	252						
GNZ	02	47	05	0.5	8.39	214						
MNG	02	47	17.5	-1.4	9.58	209						
WEL	02	49	22.5	-0.8	10.43	210						
GPZ	02	50	27.5	1.1	13.31	209						
UCI 06	06	21	40.2	39.72S	175.76E	149 KM	SE	1.3				AVG MAG 69/ 3.1
GNZ	06	22	02.4	1.0	0.91	199						
KRP	06	22	13.5	0.0	0.91	348						
TRZ	06	22	06.1	1.4	1.17	136						
TNZ	06	22	08	1.3	1.17	246						
GNZ	06	22	13.3	0.3	1.77	88						
MNG	06	22	14.9	0.4	1.91	186						
COB	06	22	31.6	-0.8	3.32	224						
GPZ	06	23	58	-5.8	5.50	204						

Station	H	M	S	Mag	Dir	Res	Dist	Az	W-A	W-P	W-S	Avg Mag
UCI 07	12	00	23.5	44.94S	167.75E	101 KM	SE	1.6				AVG MAG 69/ 4.1
MSZ	12	00	39.8	0.07	1.4	25						
MNW	12	00	42.5	-0.2	0.85	186						
ROX	12	00	49	1.8	1.24	116						
RPZ	12	00	55.3	0.4	1.89	136						
MJZ	12	01	00.2	-0.1	2.17	65						
KAI	12	02	07	3.0	3.59	49						
GPZ	12	02	02	-1.3	3.73	72						
COB	12	02	40	-2.2	5.31	43						
UCI 08	16	04	55.1	39.71S	174.20E	206 KM	SE	1.3				AVG MAG 69/ 3.9
TNZ	16	05	23.7	0.4	0.54	15						
GNZ	16	05	27.9	1.0	1.16	65						
MNG	16	05	29.7	1.4	1.34	133						
WEL	16	05	39.1	0.1	1.64	165						
COB	16	05	31.9	-0.3	1.78	219						
TRZ	16	05	35.6	0.8	2.03	86						
GNZ	16	05	47.6	0.2	3.15	72						
GPZ	16	06	48	-4.5	4.15	196						
UCI 08	18	36	43.1	41.18S	177.91E	12 KM	SE	1.4				AVG MAG 69/ 4.1
TRZ	18	37	16	0.6	1.82	333						
MNG	18	37	19.5	0.5	1.92	286						
WEL	18	37	38	1.7	2.37	266						
TJA	18	37	23	1.0	2.44	346						
GNZ	18	37	24	-0.3	2.53	2						
GNZ	18	37	27	1.6	2.68	317						

STATION	I	S	M	H	S	MAG	DIR	RES	DIST	AZ	H-A	W P	W S	69/ 630		
														AVG	MAG	
CNZ	IS	28,4														
	IP	55,0														
TRZ	IS	17 23 28														
	IP	24 06														
TNZ	IS	17 23 29,2														
	IP	38,7														
MNG	IS	17 23 29,2														
	IP	38,7														
HEL	IS	17 23 29,2														
	IP	38,7														
COB	IS	17 23 29,2														
	IP	38,7														
GPZ	IS	17 23 29,2														
	IP	38,7														
MJJ	IS	17 23 29,2														
	IP	38,7														
MSZ	IS	17 23 29,2														
	IP	38,7														
OCT 12 13 28 50,3 39,925 174,35E 12 KM SE 1.1 AVG MAG 69/ 630 0,01 0,02																
TNZ	IS	13 29 05,2														
	IP	08														
MNG	IS	13 29 17,5														
	IP	21														
CNZ	IS	13 29 26,0														
	IP	26,0														
HEL	IS	13 29 10,8														
	IP	12,2														
COB	IS	13 29 15,5														
	IP	17,0														
TRZ	IS	13 29 32,7														
	IP	34,3														
KRP	IS	13 29 37,7														
	IP	37,7														
TUA	IS	13 29 20,1														
	IP	23,3														
GPZ	IS	13 29 43,3														
	IP	46,8														
KAI	IS	13 29 26,4														
	IP	28,3														
MJJ	IS	13 29 57														
	IP	57														
MSZ	IS	13 29 30 04,6														
	IP	26,3														
TUA	IS	13 29 33,1														
	IP	33,1														
GPZ	IS	13 29 53,3														
	IP	57,3														
KAI	IS	13 29 30 03,4														
	IP	36														
MJJ	IS	13 29 30 04,5														
	IP	12														
GPZ	IS	13 29 30 39,3														
	IP	30 16,5														
KAI	IS	13 29 31														
	IP	31														

LOCAL EARTHQUAKES

STATION	I	S	M	H	S	MAG	DIR	RES	DIST	AZ	H-A	W P	W S	69/ 630		
														AVG	MAG	
GPZ	IS	27														
	IP	42														
GPZ	IS	13 30 33,5														
	IP	33,5														
OCT 12 23 53 25,5 37,455 178,30E 138 KM SE 1,3 AVG MAG 69/ 630 0,06 0,06 10 DIR RES DIST AZ H-A W P W S 1,3																
ECZ	IS	23 53 43,5														
	IP	52,2														
TUA	IS	23 53 57,3														
	IP	54 10,8														
KRP	IS	23 53 58,0														
	IP	54 19														
TRZ	IS	23 54 04,1														
	IP	32														
CNZ	IS	23 54 06,6														
	IP	11,6														
TNZ	IS	23 54 38,3														
	IP	44,2														
MNG	IS	23 54 11														
	IP	43														
HEL	IS	23 54 24,5														
	IP	24,5														
COB	IS	23 54 24														
	IP	39														
MJJ	IS	23 55 02,3														
	IP	09,5														
MSZ	IS	23 55 27,5														
	IP	32,3														
KAI	IS	23 56 04,0														
	IP	34														
OCT 13 03 30 41,7 43,365 170,77E 12 KM SE 0,6 AVG MAG 69/ 631 0,01 0,03																
MJJ	IS	03 30 54,4														
	IP	02,5														
KAI	IS	03 30 04,6														
	IP	07,3														
GPZ	IS	03 30 59,5														
	IP	10,3														
MJJ	IS	03 31 11,3														
	IP	14,7														
COB	IS	03 31 07														
	IP	25														
MJJ	IS	03 31 34														
	IP	36														
OCT 13 03 45 50,8 45,185 166,81E 12 KM SE 1,1 AVG MAG 69/ 632 0,02 0,05																
MJJ	IS	03 45 05,1														
	IP	05,6														
MSZ	IS	03 45 16														
	IP	20														
KAI	IS	03 45 09														
	IP	09,7														
MJJ	IS	03 45 13,3														
	IP	00														
MJJ	IS	03 45 23,5														
	IP	22														
MJJ	IS	03 45 47														
	IP	40,2														

STATION	H	M	S	RES	DIST	AZ	M-A	W P	W S
EPG				49	0.1				
S*				47	1.8				
SSG				27.7	0.0				
39									
GPZ	03	47	55.5		4.43	72		4.0	
49			37						
UCI 13	21	30	30.2	44,785	167,40E	33 KM	SE 1.3	AVG MAG 69/ 4.2	
				0.04	0.06				
MSZ	IPN	21	30	38.9	0.0	0.38	74		
MNW	PN	21	30	48	0.6	1.02	171	4.2	4.1
ROX	SN	21	30	57	0.3			3.9	4.0
				31	0.0				
APZ	SN	21	31	11	1.4			3.9	3.1
				14		2.14	152		
MJZ	SN	21	31	06	0.6	2.34	71		
				26.5	-0.9				
KAI	SN	21	32	10	3.1	3.68	54	4.0	
				33	0.8				
GPZ	SN	21	31	49	-2.3	3.92	76	3.9	
				32	0.8				
COB	SN	21	31	46.4	-0.9	5.38	49	3.8	3.9
				32	-2.1				
				33					
				24					
UCI 14	10	35	04.8	40,385	174,10E	12 KM	SE 0.8	AVG MAG 69/ 3.9	
				0.01	0.01				
HEL	PG	10	35	22	0.2	0.83	148		
MNZ	IPN	10	35	23.1	0.2	0.99	92	4.1	4.1
				24.3	-0.1				
				36.2	-0.1				
COB	IPN	10	35	27	0.4	1.21	245	4.2	4.2
				28	0.7				
TNZ	SN	10	35	30	0.1	1.40	6	3.8	4.1
				43	0.2				
CNZ	PN	10	35	34	-0.4	1.74	38	4.0	
				37.1	-1.3				
				42	-0.2				
				50.2					
TRZ	SN	10	35	48.3	1.3	2.27	64	3.8	3.7
				36					
				11	-0.0				
				21.5					
KAI	SN	10	35	23	0.1	2.84	226	3.7	
KRP	PN	10	35	49	-0.5	2.86	22		
				56					
				36	-1.2				
				34	1.7				
GPZ	SN	10	35	28		3.31	200	4.0	
				45	-1.1				
GNZ	SN	10	35	12.7		3.94	58	3.4	3.4
				36	-3.5				

STATION	H	M	S	RES	DIST	AZ	M-A	W P	W S
UCI 14	11	01	29.0	37,955	176.05E	207 KM	SE 1.4	AVG MAG 69/ 6.35	
				0.07	0.06				
KRP	PN	11	01	53.5	0.7	0.41	274		
TUA	SN	11	01	57.8	-0.5			4.7	4.4
				59.7	0.5	1.21	135		
GNZ	SN	11	02	22	-0.2	1.70	115	4.1	4.1
				01.4	-0.0				
TRZ	SN	11	02	03.2	1.6	1.71	160	4.3	4.3
				27	-2.5				
TNZ	SN	11	02	01	1.7	1.66	226	4.6	4.2
				31.4	-1.4	2.70	139		
MNZ	SN	11	02	13.2	1.1				
				49.1	0.6	4.05	218		3.8
COB	SN	11	03	17	-0.2	6.29	203	4.5	
GPZ	SN	11	04	07	-1.5				
UCI 14	21	29	40.6	39,285	174.82E	12 KM	SE 1.1	AVG MAG 69/ 6.36	
				0.01	0.01				
TNZ	IPN	21	29	49.2	1.2	0.35	285		
				34.6	1.7				
				37.0				4.4	4.2
CNZ	IPN	21	29	52.1	-0.3	0.57	92		
MNZ	ESG	21	30	20.3	-0.7	1.20	39	4.7	4.6
MNZ	IPN	21	30	05.8	-0.2	1.43	159		
				07.3					
KRP	SN	21	30	04.6	-1.3	1.47	23	4.6	4.8
				09.8	-1.9				
				12.9	-0.5				
				23	-2.5				
TRZ	SN	21	30	08.3	0.4	1.58	101	4.5	4.5
				12.2	-0.4				
				19.3					
TUA	SN	21	30	13	1.1	1.88	76	4.2	4.3
				13	1.2				
HEL	PN	21	30	14.3	0.8	2.00	181	4.3	4.8
				16.6	0.7				
				21	-0.1				
				38	0.2				
				43	0.6				
COB	SN	21	30	19.1	0.4	2.41	221	4.6	4.7
				48.6	0.1				
				19.1	1.1				
				24	-1.7				
				46	-2.1				
				52.5					
				56.4					
GNZ	SN	21	30	29	1.7	2.58	77	3.9	3.8
				34					
				31	0.2				
GPZ	SN	21	30	27.5	-0.9	3.10	10	4.0	3.9
				34.5	-0.3				
				34.5	0.4				
OHE	SN	21	30	34	-0.1	3.52	354	4.3	
				44					
				31	-0.6	4.14	217	4.6	
KAI	SN	21	30	46.5					
				46.5					
				31	-1.7				
				28					
				35					
GPZ	SN	21	30	51.5	1.4	4.70	200	4.7	

	H	M	S										
	31	10											
CRZ*	SV			39.3									
	HPV	21	30	56.5									
	SV			31.2									
MJZ*	HPV	21	31	05.5									
	SV			32.0									
	SV			24									

FELT INLAND TARANAKI

UCI	H	M	S	31	10	SE	0.9	AVG MAG	69/10				
03	17	22.6		40.968	175.33E	12	44						
				0.22	0.02								
				4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
MNG	IPG	03	17	31.3				1.4	0.35	12			
WEL	PG	03	17	38				0.7	0.57	235	4.2	4.5	4.7
	I			35.9									
	SG			43.2				1.0					
	I			44.8									
CNZ	IPV	03	17	32.9				0.6	1.76	4		4.6	4.1
	IP*			54.4				0.6					
	I			18	01.6								
	S*			16.7				-0.5					
	SSG			21.5				-0.6					
TRZ	IPV	03	17	37.3					1.78	38		4.2	4.2
	IPV			18	07								
	SSG			23				0.3					
	SSG			32.3									
TNZ	P*	03	17	36.3				-0.4	1.93	336		4.4	4.1
	S*			19	22			-0.3					
COB	IPV	03	17	55.4				-0.2	2.01	263		4.5	4.1
	IP*			57.2									
	IP*			58.6				0.5					
	SSG			18	30.3			-0.2					
	I			32.2									
TUA	IPG	03	18	12.5				-1.5	2.54	33		4.0	
KRP	IPV	03	18	10.5				0.9	3.03	2			
	P*			15				0.4					
	S*			51				1.6					
	SSG			57				-1.5					
KAI	IPV	03	18	03.3				-0.2	3.36	241		4.3	
	IPV			41									
	SV			32				-0.9					
GPZ	IPV	03	18	01					3.41	216		4.0	
	IPV			22									
	SV			49.5									
	SV			53				-1.0					
MJZ	IPV	03	18	01.5				0.1	4.73	229			
	IP*			43				-1.7					
	IP*			19	23								
	S*			41									
	S*			47.3				0.8					

FELT PARAPARAUMU BEACH (65) MM IV AND WELLINGTON (68) MM III

UCI	H	M	S	39.77S	174.43E	121	KM	SE	1.1	AVG MAG	69/10		
07	15	30.2		39.77S	174.43E	121	KM	SE	1.1	AVG MAG	4.1		
				0.03	0.04								
				4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
TNZ	EP	07	15	32				1.4	0.78	357		3.5	3.1
	S			16	06.3			0.1					
MNG	IP	07	15	53.7				0.8	1.03	129		4.1	4.1
	S			16	10			-0.2					
	I			11									
CNZ	P	07	15	54.8				0.5	1.15	49			
	S			16	14			1.4					
WEL	P	07	15	57				0.6	1.34	169		3.7	3.9
	S			16	16			-0.2					

LOCAL EARTHQUAKES

UCI	H	M	S	37.77S	176.27E	203	KM	SE	1.3	AVG MAG	69/10		
07	15	14.4		37.77S	176.27E	203	KM	SE	1.3	AVG MAG	4.3		
				0.04	0.06								
				4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
COB	IPV	07	15	00.4				-0.2	1.71	229		3.9	3.9
	I			04.6									
	SSG			22.7				-0.9					
TRZ	IPV	07	16	26				-1.3	1.89	78			3.8
	S			38									
KRP	IPV	07	16	07				0.0	2.22	23			
	S			33				-1.8					
	S			47									
	S			17	06.4								
GPZ	S	07	17	11				-5.2	3.96	199		4.1	

UCI	H	M	S	37.77S	176.27E	203	KM	SE	1.3	AVG MAG	69/10		
12	01	36.9		37.77S	176.27E	203	KM	SE	1.3	AVG MAG	4.3		
				0.04	0.06								
				4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
KRP	IP	12	02	05.1				0.2	0.60	255			
	S			27				0.5					
TUA	EP	12	02	08.5				-0.4	1.24	146		4.4	4.4
	I			10.7									
	S			32.6				-1.1					
CNZ	IPV	12	02	12.7				1.3	1.53	201			
	S			42									
GBZ	IPV	12	02	11.0				-1.7	1.68	338			
TRZ	IPV	12	02	15				0.8	1.83	167		4.3	4.4
	S			19.2									
	S			44.3				1.3					
TNZ	EP	12	02	19					2.09	226		3.7	
	S			29.6				-0.6	2.91	192		4.6	4.2
MNG	IP	12	02	03				-1.3					
	S			38.8					3.69	198		4.4	4.4
WEL	EP	12	02	38.8				-0.0					
	S			03	21			1.9	4.29	219		3.9	4.0
COB	EP	12	02	45				0.2					
	S			03	34.6			-1.2	6.03	217		4.5	
KAI	EP	12	04	13				0.4	6.52	204		4.8	
GPZ	EP	12	04	21				-4.6					

UCI	H	M	S	38.77S	176.46E	12	KM	SE	0.4	AVG MAG	69/10		
01	42	03.2		38.77S	176.46E	12	KM	SE	0.4	AVG MAG	2.9		
				0.01	0.03								
				4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
WNZ	PG	01	42	09.8				-0.1	0.31	296			
	I			11.1									
	I(SS)			14.3				-0.0					
KRP	PG	01	42	25.6				-0.2	1.11	319		3.1	
	SSG			41				0.2					
	S			45									
	S			49									
MNG	EP	01	42	44				0.3	2.00	202		3.0	2.8
	S			49									
	S			43	04.3			-0.6					
	S			11				0.4					

FELT WAIRAKEI (41) MM IV AND TAUPŪ (41) MM III

UCI	H	M	S	44.75S	187.46E	12	KM	SE	1.4	AVG MAG	69/10		
12	32	40.2		44.75S	187.46E	12	KM	SE	1.4	AVG MAG	4.0		
				0.04	0.08								
				4	4	S	DIR	RES	DIST	AZ	W-A	W P	W S
MSZ	IPG	12	32	49.9				2.5	0.34	78			
	ISG			53				0.8					
MNX	P*	12	32	58.9				-0.1	1.03	174		3.8	4.2

NEW ZEALAND SEISMOLOGICAL REPORT

STATION	TIME	COORDINATES	DIST	AZ	MAG	W-A	W-P	W-S
HPZ	12 33	16.6	1.6	2.14	153			
MJZ	12 33	21.5	0.5	2.29	72			
KAI	12 34	40.5	-2.2	3.63	54	3.8		
UCI 16	16 25	34.6	41.165	177.75E	12 KM	SE	1.3	AVG MAG 6.9/ 4.2
TRZ	16 26	04.5	0.72	-1.2	1.75	336		
MNG	16 26	09.5	0.78		1.80	287		
KEL	16 26	11.4	0.5	2.25	266	3.6	3.9	4.2
TUA	16 26	13.2	0.4	2.39	349		4.4	4.2
GNZ	16 26	14.3	-0.3	2.52	5		4.0	4.0
GNZ	16 26	17.5	-1.6	2.58	318			
TNZ	16 26	27.5	-1.4	3.25	306		3.8	4.1
KRP	16 26	31.0	-3.9	3.65	331			
COB	16 26	33.6	1.8	3.79	269		4.1	4.3
GPZ	16 27	29.5	-1.1	4.55	234	4.2		
KAI	16 27	44.0	-2.1	4.93	252	4.3		
UCI 17	02 59	20.5	38.855	175.50E	164 KM	SE	1.0	AVG MAG 6.9/ 4.1
GNZ	02 59	43.3	3.6	0.24	171			
TNZ	02 59	46.5	0.5	0.90	259		3.5	3.2
KRP	02 59	47.0	-0.1	1.04	2		4.0	
TRZ	03 00	07.0	-0.5	1.18	120			4.1
TUA	02 59	54.0	1.2	1.30	94			4.2

LOCAL EARTHQUAKES

STATION	TIME	COORDINATES	DIST	AZ	MAG	W-A	W-P	W-S
MVZ	02 59	53.7	0.7	1.55	190		4.1	3.5
GNZ	03 00	23.4	-1.3	2.00	82			
KEL	03 00	31.5	-1.3	2.39	193	3.8		4.0
GPZ	03 01	30.0	-7.1	5.49	204	4.5		
UCI 17	16 24	47.1	38.855	175.23E	213 KM	SE	1.1	AVG MAG 6.9/ 5.8
GNZ	16 25	15.3	0.8	0.39	142		5.8	6.1
TNZ	16 25	19.2	0.3	0.73	69			
KRP	16 25	41.5	1.2	0.99	14		5.1	5.3
TRZ	16 25	22.7	1.4	1.40	119		5.7	6.1
TUA	16 25	22.2	0.6	1.50	97		6.2	6.2
MNG	16 25	25.8	1.4	1.74	174			
GNZ	16 25	29.2	0.3	2.19	84		5.6	
KEL	16 25	30.9	-0.4	2.42	188	5.8		5.8
GPZ	16 25	33.4	-0.8	2.67	4		6.4	5.9
ECZ	16 25	35.7	-0.7	2.87	66			
ONE	16 25	40.2	0.4	3.19	347		4.5	
KAI	16 25	59.9	-1.3	4.90	334		6.1	4.8
CHR	16 26	00.3	-2.7	5.04	202			
GPZ	16 26	01.2	-3.6	5.18	201	6.4		
MJZ	16 26	14.8	-3.4	6.23	214			
GNZ	16 26	25.0	-2.7	6.96	206			
ROX	16 28	00.0	-8.2	7.91	212			
MSZ	16 25	35.5	-4.7	7.95	221			
GPZ	16 26	41.1	0.3	7.97	132			
MNA	16 26	48.0	-4.8	8.00	217			
UCI 17	18 00	27.3	46.415	166.39E	12 KM	SE	0.9	AVG MAG 6.9/ 6.5
MNA	18 00	45.9	-0.6	1.06	54		4.6	4.6
MSZ	18 01	01.0	0.2	2.04	32		4.3	4.5
ROX	18 01	03.6	0.0	2.25	67		4.5	4.7
GNZ	18 01	19.0	-0.3	3.44	69		4.7	4.7

FELT CENTRAL AND SOUTHERN NORTH I., ALSO FELT NORTH OF SOUTH I.
 MAXIMUM INTENSITY MM V AT DANNEVIRKE
 USCSO ORIGIN 16 24 44.8 38.75 175.6E 203 KM MAG 5.0

		H	M	S			12 KM	SE	0.9	AVG MAG				
		46,75S 169,40E			DIR		RES	DIST	AZ	M=A	W P	W S		
		0.02 0.02					9	0.39	263					
MJZ	IP*	13	01	26.5										
	IS*			33.7				0.7	3.76	51				
	IPG			48										
	ISN	02	07					-0.3						
	IS*			22				-0.0						
	ISG			35				0.9						
GPZ	IP*	13	02	01.5					5.19	61	4.6			
	IS*			03				-0.1						
	IPG			09										
	ISN			34										
	ISG			32										
KAI									5.29	43	4.9			
OCT 18	H M S	12	53	46.8										
	+ 0.3													
	H M S	12	53	53.3										
HPZ	IP*			59.6				-1.2						
	IS*			09.2				-0.5						
ROX	IP*	12	54	09.2				-0.4	1.27	358	3.8	4.2		
	IS*			27.2				0.5						
	ISG			29				-0.8						
MNW	EPN	12	54	14				0.0	1.57	307	4.1	3.9		
	IP*			15.3				0.6						
	IPG			18.0				-0.6						
	ISN			36				1.9						
	ISG			41.2				1.4						
OWZ	EPN	12	54	19				-0.4	1.98	33	4.4	4.0		
	IP*			22.1				0.3						
	IS*			48				-0.0						
MSZ	IP*	12	54	26.6				-1.0	2.32	333	3.6	3.3		
	IS*			58				-0.2						
	ISG			55.04				-1.1						
MJZ	EPN	12	54	31.4				-0.2	2.86	16				
	IP*			38.3				1.5						
	IPG			44.5				-0.2						
	ISN			53.06				0.7						
	ISG			23				-0.3						
GPZ	IP*	12	55	07					3.82	38	4.0			
	IS*			28				-0.0						
	ISG			49				-5.4						
KAI		12	55	29.2					4.46	19	4.2			
OCT 19	H M S	08	43	37.1										
	+ 0.3													
	H M S	08	43	50										
	0.02 0.02													
	H M S	08	43	51										
KAI	EP*			51				0.3	0.66	220	3.6			
	IPG			58.9				0.2						
	IS*			44				0.7						
	ISG			00.4										
COB	EPN	08	44	07				0.5	1.09	31	4.3	4.1		
GPZ	EPG			13				0.6	1.75	164	3.4			
	IS*			31				-0.1						
	ISG			35				-1.0						
	IP*			41.4										
HEL	EP*	08	44	14.3				-1.1	2.21	72	3.5	4.0	4.0	
	EPG			21.2				-0.5						
	IS*			44.3				-0.8						
MJZ	EPN	08	44	14				0.5	2.26	209				
	IP*			20.5										
	IS*			41.5				0.9						
	ISG			51.2										
	IP*			57.8										
MNG	EPN	08	44	24				0.5	2.98	63	4.1	3.7		
	IP*			29.5				0.4						

LOCAL EARTHQUAKES

		H	M	S			12 KM	SE	1.2	AVG MAG			
		41,36S 172,85E			DIR		RES	DIST	AZ	M=A	W P	W S	
		0.05 0.05					9	1.8	1.45	38	3.5	4.1	3.8
	IPG			38.2									
	IS*			45				0.9					
	IPG			03									
	IS*			10.8				2.5					
TNZ	IP*	08	44	34					3.36	34	3.9	3.8	
	IS*			44				-1.1					
	IPG			09				1.7					
	ISN			18.3				-1.5					
	IS*			31				0.5					
	ISG			39.5					3.91	45	4.1	4.0	
OVZ	IP*	08	44	53.8				-2.3					
	IS*			53				-2.1					
	IPG			34									
	ISN			53									
	ISG			36				-0.8	3.98	227	3.6	3.8	
MSZ	IP*	08	44	36				-2.6					
	IS*			55				-2.3					
	IPG			42									
	ISN			51				-0.2					
	ISG			51				1.6	4.91	33			
KRP	IP*	08	44	51				1.8					
	IS*			45				0.4					
	IPG			44				-0.8					
	ISN			46				0.7					
	ISG			07				0.5					
FELT	WESTPORT (79) M.M. IV												
OCT 19	H M S	09	05	04.3									
	+ 0.8												
	H M S	09	05	36.3									
	0.05 0.05												
	H M S	09	05	58									
HEL	IP*			36.3				1.8	1.45	38	3.5	4.1	3.8
	IS*			58				0.3					
	IPG			00				-0.3	1.59	222	3.7		
KAI	IP*	09	05	43.1				1.2	2.12	71	3.9	3.8	
MNG	IP*			06				-0.5					
	IS*			47					2.34	184	3.9		
GPZ	IP*	09	05	47				-0.3					
	IS*			15.2				-0.1	2.46	29			3.8
	IPG			13				-0.6	3.16	213			
TNZ	IP*	09	05	33				-0.9	3.52	51			4.0
MJZ	IS*	09	05	41				-0.9	4.81	37			3.9
TRZ	IS*	09	07	10.5				-1.2	4.00	226			3.7
OVZ	IS*	09	06	19				1.5					
MSZ	EP*			07				-1.0					
	IS*			13									
OCT 19	H M S	11	11	17.1									
	+ 0.8												
	H M S	11	11	33.9									
	0.03 0.04												
	H M S	11	11	34.4									
MNW	IP*			33.9				0.2	0.91	51			4.4
	IS*			46.1				-0.0					
	IPG			47.2				-0.8					
HPZ	EPG	11	11	49				-0.1	1.38	102			4.1
	IS*			52									
	IPG			08.8				-1.7					
	IS*			49				0.1	1.92	29			3.6
MSZ	EPN	11	11	49				0.1					
	IP*			51.1				0.1					
	IS*			55.1				-0.9					
	IPG			12				-1.3					
	ISN			15.3				-1.2			</		

OCT 20	H M S	40,39S 174,08E	121 KM	SE 1.1	AVG MAG	69/ 651		
						W-A	W P	W S
	07 43 11.0	0.03	0.04	10				
	+ 0.7							
	H M S	DIR	RES	DIST	AZ			
WEL	07 43 35.3		1.3	1.04	150	3.7	3.9	4.3
	51		-0.2					
MNG	07 43 35.5		1.2	1.10	103			
	52		-0.3					
TNZ	07 43 37.4	D	1.3	1.22	11			
	55		0.3					
DOB				1.24	235			
CNZ	07 43 40.8		0.2	1.64	44			
	44 01		-2.0					
TRZ	07 44 06.5		0.2	2.27	69			
	17							
	21							
KRP	07 43 54.3		-0.2	2.71	25			
	44 26.7		-0.7					
KAI	07 44 33		0.4	2.93	222	3.9		
GPZ	07 44 44.3		-1.1	3.47	197	4.0		
GNZ	07 44 42.5		-3.8*	3.51	62			
MNZ	07 45 09		-0.8	4.49	216			

OCT 20	H M S	33,28S 178,67W	471 KM	SE 0.9	AVG MAG	69/ 651		
						W-A	W P	W S
	14 53 44.8	0.06	0.07	12				
	* 0.9							
	H M S	DIR	RES	DIST	AZ			
ECZ	14 55 14		3.4*	4.95	206			
GNZ	14 55 21		0.3	5.98	206			
	23.1							
	56 37		0.5					
TJA	14 55 27.4		1.7	6.47	210			
	56 44		-1.4					
KRP	14 55 26.0	U	-1.1	6.61	224			
	55 48.5		0.4					
TRZ	14 55 33.2		-0.4	7.23	209			
	57 00		0.1					
CRZ	14 57 01		0.2	7.26	239			
CNZ	14 55 36.0	U	-0.7	7.92	217			
MNZ	14 55 47			8.68	211			
	49.1		-0.2					
	57 28		0.1					
WEL	14 55 58.8		0.3	9.54	211	5.7		
	57 45		0.2					

OCT 21	H M S	43,42S 170,77E	12 KM	SE 1.0	AVG MAG	69/ 652		
						W-A	W P	W S
	05 14 39.5	0.01	0.02	2				
	* 0.2							
	H M S	DIR	RES	DIST	AZ			
MJZ	05 14 51.7	USW	0.7	0.61	201			
	53.0		1.0					
	59.5		-0.0					
KAI	05 14 51.5		1.1	1.01	28	3.7		
	58		0.2					
	59.8		-0.2					
	15 12		0.6					
	13.8		0.1					
GPZ	05 15 04		-0.3	1.39	102	3.4		
	22		-0.7					
	24.6		-1.8					
	27.5							
CNZ	05 15 08.7		-0.2	1.65	177			
	15.7		0.7					
	30.3		-0.6					
	35.6		0.2					
ROX	05 15 17		0.5	2.70	206			
	24.5							

LOCAL EARTHQUAKES

OCT 21	H M S	39,30S 177,36E	12 KM	SE 1.2	AVG MAG	69/ 653		
						W-A	W P	W S
	05 24 05.5	0.02	0.03	2				
	+ 0.5							
	H M S	DIR	RES	DIST	AZ			
TRZ	05 24 15.5	U	0.6	0.48	239			
	19.6							
	23		0.7					
TJA	05 24 15.1	D	-0.4	0.92	342			
	18.1							
	25.0		1.6					
GNZ	05 24 21		0.1	0.84	39			
	23.4		0.8					
	27.6							
	38.5							
WNZ	05 24 45		-0.6	1.18	304			
	54							
CNZ	05 24 31.2	U	0.6	1.41	274			
	35.9		1.8					
	50.3		1.1					
	53.4		0.3					
	56							
MNG	05 24 36.4		-1.3	1.95	227			
	44.7		-0.3					
	25 12		0.6					
	20.5							
KRP	05 24 39.3		-1.2	1.98	313			
	44		-1.6					
	25 09.5		-2.9*					
	17							
	20.5							
TNZ	05 24 50		-2.4	2.31	272			
	25 37							
DOB	05 25 14		-0.5	3.96	242			
	21							
	39.5							

OCT 22	H M S	38,21S 176,40E	155 KM	SE 1.1	AVG MAG	69/ 654		
						W-A	W P	W S
	01 41 05.9	0.04	0.04	6				
	* 0.7							
	H M S	DIR	RES	DIST	AZ			
KRP	01 41 29.9	D	0.6	0.74	292			
	31.2							
	46.5		-0.8					
TJA	01 41 30.5		0.5	0.84	136			
	47.7		-0.9					
CNZ	01 41 34.3		1.2	1.19	214			
	36.8							
GNZ	01 41 34.6		0.0	1.35	109			
	55.5		-1.0					
TRZ	01 41 36		1.1	1.38	156			
	58.5		1.3					
TNZ	01 41 42		2.0	1.86	238			
GNZ	01 41 43		-0.0	2.12	339			

		H	M	S														
					35.4													
KAI	S	05	17	00.5														
GPZ	S	05	17	20.5														
FELT YORK BAY (68) MM III																		
OCT 29		12	05	06.2	37.14S	176.85E	325 KM	SE	1.0	AVG MAG	6.9/ 6.7							
					0.04	0.05	5				3.0							
KRP	IP	12	05	50.8														
ECZ	IP	12	05	52.1														
TUA	IP	12	05	53.8														
GNZ	IP	12	05	54.3														
GNZ	IP	12	05	58.2														
TRZ	IP	12	05	59.7														
ONE	IP	12	05	58														
TNZ	IP	12	06	04														
MNG	IP	12	06	10.4														
MEL	IP	12	06	19.8														
COB	IP	12	06	26														
KAI	S	12	08	03														
GPZ	S	12	08	16														
MJZ	ES	12	08	38														
OCT 29		14	57	37.4	38.62S	175.69E	140 KM	SE	1.0	AVG MAG	6.9/ 6.7							
					0.04	0.04	7				4.2							
GNZ	IP	14	58	19.3														
KRP	IP	14	58	19.2														
TUA	IP	14	58	24														
TNZ	IP	14	58	34														
TRZ	IP	14	58	25.2														
GNZ	IP	14	58	30.1														
MNG	IP	14	58	32.2														
MEL	IP	14	58	47														
COB	IP	14	58	49														
GPZ	S	15	00	17														
MJZ	S	15	00	42														
OCT 29		16	25	37.7	50.17S	164.62E	33 KM	SF	0.2	AVG MAG	6.9/ 6.7							
					0.01	0.03	3				4.2							
WPZ	ESN	16	27	32.5														
MNR	PN	16	25	47.1														

LOCAL EARTHQUAKES

ROX	SV	16	27	40.5														
	SV	16	25	58.5														
	SV	16	27	02														
MSZ	SV	16	27	02														
	SV	15	27	26														
MJZ	SV	15	27	26														
	SV	15	27	36														
OCT 30		07	53	04.1	38.98S	175.26E	143 KM	SE	1.2	AVG MAG	6.9/ 6.74							
					0.03	0.04	7				3.7							
GNZ	IP	07	53	24.8														
KRP	IP	07	53	29														
TRZ	IP	07	53	33.4														
MNG	IP	07	53	36.2														
GNZ	IP	07	53	41.5														
MEL	IP	07	53	43.5														
COB	IP	07	53	49.5														
GPZ	ES	07	55	13.5														
OCT 30		12	34	57.1	42.48S	173.63E	12 KM	SE	1.2	AVG MAG	6.9/ 6.75							
					0.02	0.02	9				3.6							
GNZ	IP	12	35	20.5														
MEL	IP	12	35	21														
COB	IP	12	35	24.3														
KAI	IP	12	35	26.5														
MNG	IP	12	35	35														
MJZ	IP	12	35	40.3														
FELT KAIKOJURA (70) MM IV																		

H	M	S	37.98S	176.07E	116 KM	SE	1.4	AVG MAG	69/ 69	
NOV 01	07 46	02.2	0.05	0.04	9					
		+ 1.2								
	GNZ	IP	4 4 S	DIR	RES	DIST	AZ	W-A	W P	W S
		I(S)	07 46 20.7	0	0.1	0.59	229			
		I	34.5		-0.2					
	TUA	IP	07 46 22		-0.5	0.84	92			
		I	31					4.0	4.1	
		S	37		-1.1					
		S	41.5							
	KRP	S	07 46 40		-0.0	0.95	333			
	TRZ	P	07 46 24.6		0.8	0.96	144		4.1	4.3
		S	43		2.8					
	TNZ	IP	07 46 29.7	U	1.1	1.39	252		4.2	
	GNZ	IP	07 46 30.7	U	0.5	1.52	96		4.1	3.1
		S	50.5		-0.8					
	MVG	P	07 46 34.1		-0.5	1.90	194		3.8	3.1
		I	35.3							
		S	57		-2.0					
		I	47 07							

H	M	S	37.89S	177.07E	156 KM	SE	1.1	AVG MAG	69/ 69	
NOV 01	15 55	22.4	0.04	0.04	7					
		+ 1.0								
	TUA	P	15 55 48		0.7	0.92	176		4.0	4.1
		S	56 06.5		0.1					
	GNZ	P	15 55 48.4		-0.1	1.07	135		4.0	4.1
		S	56 07.3		-1.1					
	KRP	IP	15 55 49.8	DE	-0.0	1.21	268		4.1	
		S	56 10.3		-0.6					
	TRZ	E	15 55 58.5			1.67	186			4.1
		S	56 20.5		1.2					
	GNZ	P	15 55 57.2		1.6	1.77	222			
		E	57 25							
	MVG	P	15 56 10.6		-0.0	2.99	204		4.0	3.7
		S	48		0.5					
	WEL	P	15 56 21		-0.4	3.83	207		4.4	
		S	57 05		-1.8					
	GPZ	ES	15 58 10		-4.9	6.70	209		4.6	

H	M	S	36.34S	177.98E	12 KM	SE	1.3	AVG MAG	69/ 69	
NOV 02	08 28	23.1	0.03	0.03	9					
		+ 0.7								
	ECZ	EPV	08 28 45.6		-2.5	1.43	162		4.1	4.1
		IP	51		-1.0					
		ISG	29 11		-0.3					
		I	19							
	GBZ	PV	08 28 57.0		0.8	2.02	273			
	GNZ	PV	08 29 01.3		1.2	2.30	179		4.3	4.3
		IP	09.8		0.1					
		S	31							
		S	36		2.1					
		ISG	40.7		-0.1					
	KRP	PV	08 29 02.1		-1.0	2.51	230			
		I	09.2							
		S	14		0.1					
		S	30							
		S	39		-1.2					
	TUA	PV	08 29 05.5		1.9	2.55	195		4.2	4.1
		S	10		2.2					
		S	15.3		0.6					
		ISV	32.5		-1.6					
		I	47							
	ONE	I	08 29 33			2.98	280		3.9	

LOCAL EARTHQUAKES

H	M	S	36.23S	178.35E	33 KM	SE	1.3	AVG MAG	69/ 69	
NOV 02	09 11	24.8	0.06	0.05	2					
		+ 1.3								
	TRZ	SV	08 29 15		0.2	3.34	196		4.3	4.6
		SV	19		0.8					
		SV	26.1							
		SV	56.5							
		SV	33 15.3		-0.3					
	GNZ	SV	08 29 15		-0.6	3.45	213		4.1	
		SV	19.5							
		SV	33.3		0.5					
		SV	30 07.5		-0.8					
	TNZ	SV	08 29 30		-3.1	4.03	224		4.1	
	MVG	SV	08 29 32		-0.6	4.70	204		3.9	3.7
		SV	37							
		SV	53							
		SV	30 27		1.3					
		SV	38.5							
	WEL	SV	08 30 44.5		-1.3	5.54	206		4.7	4.1

H	M	S	36.23S	178.35E	33 KM	SE	1.3	AVG MAG	69/ 69	
NOV 02	09 11	24.8	0.06	0.05	2					
		+ 1.3								
	GBZ	SV	09 12 20		0.5	2.32	270			
	GNZ	SV	09 12 00.7		1.2	2.42	186		4.0	3.8
		SV	30		-0.4					
		SV	39							
		SV	50							
	TUA	SV	09 12 07		1.4	2.74	200		4.4	
	KRP	SV	09 12 07.6		1.0	2.81	232		3.8	
		SV	14.7		0.5					
		SV	51		-0.2					
	TRZ	SV	09 12 12.1			3.93	200		4.0	
	GNZ	SV	09 12 17.7		-1.1	3.70	216			
	MVG	SV	09 12 33.2		-2.2	4.92	206			
		SV	51.5		1.2					
		SV	13 18							
		SV	29		-0.7					

H	M	S	37.46S	179.36E	33 KM	SE	1.5	AVG MAG	69/ 69	
NOV 02	09 12	41.0	0.05	0.09	2					
		+ 1.3								
	ECZ	SV	09 12 53.6		-3.7	0.68	250			
		SV	55.9		0.4					
	GNZ	SV	09 13 07.5		0.6	1.58	221		4.0	4.1
		SV	29		3.4					
	TUA	SV	09 13 15		-0.3	2.20	232		4.3	4.3
		SV	24							
		SV	41		0.4					
		SV	51		1.1					
	TRZ	SV	09 13 23.8		-3.9	2.88	223		4.2	4.2
		SV	57.5		0.2					
		SV	14 00							
	KRP	IPV	09 13 25.6	DE	-0.6	3.06	260		4.0	
		SV	14 00		-1.7					
		SV	09 13 32.5		1.4	3.35	291			
	GBZ	(PV)	09 13 31.2		-1.4	3.46	239		4.0	
	GNZ	PV	09 13 45.3		0.5	4.35	231			
		PV	59		1.3					
		PV	09 13 44		-1.0	4.36	223		3.8	3.6
		PV	14 03.5							
		PV	12							
		PV	28							
	WEL	SV	09 14 30		-4.0	5.22	222		4.5	
	GNZ	SV	09 14 33		-6.20	297				
	GNZ	SV	09 15 17		-2.6	6.28	233			
	CIZ	SV	09 14 31.5			7.19	156			
		SV	15 44.6		3.4					

NOV 02	H	M	S	35,54S	178,94E	312 KM	SE 0,7	AVG MAG	69/ 69	
09 15	34,1	0,07	0,10	DIR	RES	DIST	AZ	W-A	W P	W S
ECZ	09 16 13	31,5	0,1	3,18	193	4,2	4,1			
GNZ	09 16 33	17 16	-2,8	3,56	203	4,7	4,1			
TUA	09 16 37	17 25,5	-3,2	3,62	228	4,2	4,1			
KRP	09 16 37,2	17 45,3	0,4	4,34	202	4,2	4,1			
TRZ	09 16 45,3	17 43	0,7	4,54	215	4,1	4,1			
CNZ	09 16 48,1	18 09	-0,9	5,75	207	4,3	3,1			
MNG	09 17 00,5	18 09	-0,9	6,60	208	4,9				
WEL	09 17 11,5	18 29	1,0	7,38	220					
COB	09 17 20,5	19 45	-3,4	0,2						
NOV 02	H	M	S <td>36,31S</td> <td>177,61E</td> <td>33 KM</td> <td>SE 1,2</td> <td>AVG MAG</td> <td>69/ 69</td>	36,31S	177,61E	33 KM	SE 1,2	AVG MAG	69/ 69	
09 30	38,1	0,03	0,03	DIR <td>RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>W-A <td>W P <td>W S</td> </td></td></td>	AZ <td>W-A <td>W P <td>W S</td> </td></td>	W-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
ECZ	09 31 21,3	49,1	-1,6	1,57	132	4,1	4,1			
GNZ	09 31 26	30	1,0	1,72	272					
KRP	09 31 33,2	35,4	1,0							
TRZ	09 31 33,2	49,1	-0,3	2,31	225					
WEL	09 31 34,8	51,6	0,2	2,31	225					
COB	09 31 43,4	34,8	0,2	2,34	256					
AUC	09 31 52,5	59	-0,5	2,34	256					
GNZ	09 31 53,0	52 15	-0,6	2,35	172	4,3	4,1			
TUA	09 31 53,3	30	1,6	2,52	188	4,5	4,1			
ONE	09 31 57,3	52 00	0,2	2,68	280	4,1				
TRZ	09 31 57,3	54	-1,2	3,30	191	4,6	4,1			
CNZ	09 31 58	32 32	-1,8	3,32	209	4,4	4,1			
TNZ	09 31 58	39,5	-0,1	3,85	221	4,2				
MNG	09 32 03,5	57,3	-1,1	4,62	201	4,1	4,1			
WEL	09 32 26,3	53 00,3		5,44	203	4,8	4,3	4,1		

LOCAL EARTHQUAKES

NOV 02	H	M	S	41,04S	172,54E	12 KM	SE 0,9	AVG MAG	69/ 694	
09 52	20,6	0,02	0,02	DIR	RES	DIST	AZ	W-A	W P	W S
COB	09 52 26	15 01	24,6	3,3	0,15	107				
KAI	09 54 17	15 01	51,8	3,7	1,70	99	3,5	3,9	4,0	
WEL	09 54 17	56	1,0	02 12,5	-0,9					
KAI	09 54 17	17	-1,0	02 10,5	-0,5	1,71	209	3,4		
MNG	09 54 17	13	-0,5	02 07,5	-0,2	2,33	38	3,6	3,6	
TNZ	09 54 17	11,5	0,2	02 07,5	-0,2	2,33	38	3,6	3,6	
CNZ	09 54 17	11,5	-0,7	02 11,5	-0,7	2,95	52	3,7	3,7	
WEL	09 54 17	17	22,9	44,3						
WEL	09 54 17	59	-1,1	03 18,5	0,0	3,32	207			
KRP	09 54 17	53,5	0,6	03 19,5	0,6	3,88	38			
FELT	09 54 17	03 19,5								
NOV 02	H	M	S	38,56S	175,68E	291 KM	SE 1,6	AVG MAG	69/ 695	
22 42	30,0	0,13	0,12	DIR	RES	DIST	AZ	W-A	W P	W S
CNZ	22 43 08,7	36	0,9	0,53	192	4,2	3,4			
KRP	22 43 07,3	39	-1,2	0,77	351	3,5				
TUA	22 43 41	41	-0,9	1,15	97					
GNZ	22 43 49,3	49,3	-0,0	1,33	93					
MNG	22 43 17,8	50	2,1	1,94	133	4,1	3,6			
COB	22 43 28,0	50	-1,3	3,30	222	3,9	3,5			
WEL	22 43 44	14	-0,4							
NOV 03	H	M	S	39,35S	174,78E	157 KM	SE 1,9	AVG MAG	69/ 696	
04 56	20,7	0,26	0,09	DIR	RES	DIST	AZ	W-A	W P	W S
CNZ	04 56 50,7	57 39,3	1,1	0,52	75	4,2	3,9			
WEL	04 56 57,3	12,9	1,4	1,38	157	4,3	4,0			
KRP	04 56 57,7	18	-0,3	1,54	23	3,6	3,2			
TRZ	04 56 57,7	20	-1,2	1,60	98	3,9	4,0			
WEL	04 57 28	28	-0,9	1,93	180	4,0	4,0			
COB	04 57 08,7	35	2,1	2,34	221	3,5	4,0			
GNZ	04 57 10,2	40,7	-0,1	2,63	75	4,4	3,9			

H	M	S	47.96S	165.02E	33 KM	SE	1.6	AVG MAG	69/701
+ 1.5			0.12	0.09	?	?	?	5.1	5.1
H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
NOV 05	19	10	55.3						
MNW	PN		19 11 36.0		-1.2	2.92	40	5.2	5.2
WPZ	EPN		19 11 37.7		-0.9	2.91	65	4.9	5.2
MJZ	EPN		19 12 11.0		-2.7	5.50	46	4.6	4.3
GPZ	EPN		19 12 58		-0.1	6.82	54	5.3	
KAI	EPN		19 13 52		0.4	7.06	42	5.4	
COB	EPN		19 12 58		-0.1	6.81	42		
WEL	EPN		19 13 32		-1.3	9.63	50	5.5	
MNG	PN		19 13 22.9		2.1	10.49	49		
TNZ	EPN		19 13 32		3.8	11.08	41		
KRP	EPN		19 13 49		0.7	12.64	41		
			16 02		-1.1				
NOV 05	23	21	09.6		48.55S	166.06E	33 KM	SE	0.9
+ 1.2			0.06	0.13	?	?	?	4.3	4.3
H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td>	AZ <td>H-A <td>W P <td>W S</td> </td></td>	H-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
MNW	PN		23 21 54		0.4	2.97	21	4.5	4.4
ROX	PN		23 22 05.5		-0.1	3.80	37	4.2	4.4
MSZ	EPN		23 22 16		0.1	4.09	19	4.2	4.1
MJZ	EPN		23 23 27		-1.3	5.49	35	4.6	3.8
GPZ	EPN		23 23 12		-0.8	6.67	46		
COB	EPN		23 23 49		0.6	8.84	35		
NOV 06	16	31	56.0		42.11S	173.79E	12 KM	SE	1.1
+ 0.4			0.02	0.02	?	?	?	3.3	3.3
H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td>	AZ <td>H-A <td>W P <td>W S</td> </td></td>	H-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
WEL	EPN		16 32 15		-0.9	1.10	42	3.0	3.4
	PG		16 32 18		-0.4				
	SG		16 32 30		-0.7				
	EPN		16 32 34		0.7				
COB	PN		16 32 19.7		0.2	1.29	322	4.2	4.1
	SN		16 32 37.2		0.3				
	SG		16 32 41		1.4				
GPZ	EPN		16 32 32.0		-0.8	1.80	208	3.1	
KAI	EPN		16 32 47.5		-1.3	1.81	256	3.5	
	EPN		16 32 57		-0.3				
MNG	EPN		16 32 29.0		0.7	1.96	41	3.5	3.3
	PG		16 32 37		1.3				
TNZ	EPN		16 32 35		-0.5	2.95	9	3.3	3.3
MJZ	EPN		16 32 49		-0.7	3.98	231	3.3	3.2
	PG		16 32 33.00		1.8				
GNZ	EPN		16 32 23.5		1.2	3.20	25	3.7	3.7
KRP	EPN		16 32 22		-1.9	4.39	18		
NOV 07	09	11	19.3		47.68S	164.67E	33 KM	SE	1.4
+ 1.8			0.20	0.19	?	?	?	4.8	4.8
H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td>	AZ <td>H-A <td>W P <td>W S</td> </td></td>	H-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
MNW	PN		09 11 59.8		-0.9	2.78	48	4.8	4.5
	SN		09 12 31		-1.2				
MSZ	EPN		09 12 16		0.1	3.76	39	4.5	4.1
ROX	EPN		09 12 28		0.8	3.89	57	4.4	4.5

LOCAL EARTHQUAKES

H	M	S	37.52S	176.44E	346 KM	SE	0.7	AVG MAG	69/707
+ 0.7			0.05	0.06	?	?	?	5	4.5
H	M	S	DIR	RES	DIST	AZ	H-A	W P	W S
NOV 07	10	22	56.1						
KRP	IP		10 23 41.0		0.1	0.84	241		4.0
TUA	P		10 23 43.6		0.1	1.39	157		4.9
	EPN		10 24 21		0.4				
GNZ	P		10 23 44.8		-0.3	1.67	133		4.4
	S		10 24 23		-0.4				
GNZ	P		10 23 46		-0.1	1.82	203		4.1
TRZ	P		10 23 48.0		0.4	2.05	172		4.6
	EPN		10 24 28		0.0				
TNZ	P		10 23 50.8		1.0	2.33	224		4.2
MNG	IP		10 23 56.9		-0.3	3.19	194		4.6
	S		10 24 45		-0.1				
WEL	P		10 24 05.3		0.5	3.98	199		5.0
	S		10 25 02		2.8				
COB	P		10 24 10		-1.5	4.59	218		4.4
	EPN		10 25 10		-0.7				
GPZ	EPN		10 26 20		0.8	6.82	204		5.1
MJZ	EPN		10 26 20		0.8	7.90	213		
NOV 08	02	01	08.2		34.17S	179.58E	265 KM	SE	1.0
+ 0.8			0.04	0.04	?	?	?	7	5.0
H <td>M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td></td></td></td>	M <td>S <td>DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td></td></td>	S <td>DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td></td>	DIR <td>RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td></td>	RES <td>DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td></td>	DIST <td>AZ <td>H-A <td>W P <td>W S</td> </td></td></td>	AZ <td>H-A <td>W P <td>W S</td> </td></td>	H-A <td>W P <td>W S</td> </td>	W P <td>W S</td>	W S
ECZ	EPN		02 02 08		-0.8	3.61	193		5.2
	EPN		02 02 57.0		1.0				
GBZ	EPN		02 02 12.5		0.1	3.93	238		
	EPN		02 03 03		0.6				
ONE	EPN		02 02 22		1.1	4.57	248		4.8
	EPN		02 03 17		-1.7	4.64	195		4.7
GNZ	EPN		02 02 19		-1.3				
	EPN		02 03 26		0.9	4.97	220		4.5
KRP	EPN		02 02 25.6		0.9	4.97	220		4.5
	EPN		02 03 32.8						
TUA	EPN		02 03 26		0.4	5.02	202		5.0
CRZ	EPN		02 02 33.5		-0.2	5.72	265		4.3
TRZ	EPN		02 02 34		-0.9	5.81	202		5.0
	EPN		02 03 42		-0.7				
GNZ	EPN		02 02 37		0.1	5.97	212		4.4
	EPN		02 03 43						
MNG	EPN		02 02 49		-3.4	7.21	206		
	EPN		02 03 56						
	EPN		02 04 14		-0.1				
WEL	EPN		02 04 32		-1.1	8.06	207		5.9
COB	EPN		02 04 50		0.6	8.78	216		
CIZ	EPN		02 03 34			10.22	164		
	EPN		02 05 24		2.1				
KAI	EPN		02 05 28		-0.7	10.52	215		5.8
GPZ	EPN		02 05 28		-0.7	10.93	207		5.9
MJZ	EPN		02 03 54		0.6	12.08	213		
	EPN		02 04 01						
	EPN		02 06 04		0.0				

NOV 11	H	M	S	37,925	178,89E	33 KM	SE	1.4	AVG MAG	69/71
	13	37	42.7	0.04	0.07					5.1
			1.1							
ECZ	IPN	13 37	51.3	DIR	RES	DIST	AZ	W-A	W P	W S
GNZ	IPN	13 38	01.8	UNW	2.2	0.99	223			
TUA	IPN	13 38	08.5		0.2	1.62	237		4.9	4.1
	I		09.3						5.4	5.3
	IP		12.2		0.3					
	IS		33.8		0.2					
	I		36.2							
TRZ	IPN	13 38	18.3	D	0.9	2.29	224		5.2	4.1
	I		49.0							
	IPN	13 38	02.5							
WZ	IPN	13 38	19.6		2.1	2.30	251		5.4	5.2
	IP		25.9		2.5					
	I		32							
	IPN	13 38	20.5	UE	-1.8	2.65	269			
KRP	IPN	13 38	20.5							
	I		21.7							
	IS		50.5		-1.9					
	I		58.1							
GNZ	IPN	13 38	26.2		0.3	2.91	243		5.2	4.1
	IP		33.4		-0.4					
	I		54							
GBZ	IPN	13 38	29		-1.0	3.21	301			
MNG	IPN	13 38	35.9		-1.8	3.77	223		4.6	4.1
	I		39							
	IPN	13 38	44.5		0.8	4.21	299		4.3	
ONE	IPN	13 38	44.5		0.8	4.21	299		4.3	
	IS		39.31		0.5					
MEL	IPN	13 38	48		-1.3	4.62	222		4.8	4.7
	I		39 08.3							
	IS		39		-1.4					
	I		40 11.							
	IP		26							
COB	IPN	13 39	02		-2.00	5.71	234		4.6	4.1
	I		16							
	IPN	13 39	04		-2.70					
CRZ	IPN	13 39	09		-0.4	6.11	303			
CIZ	IPN	13 39	29		5.40	6.94	192			
	IS		40 46		3.90					
KAI	IPN	13 40	42.7		-2.90	7.34	229		5.2	
	IS									
FELT TIKITIKI (29) MM IV AND AORANGI (29) MM II										
NOV 11	H	M	S	35,645	179,40E	33 KM	SE	1.5	AVG MAG	69/71
	14	06	39.8	0.04	0.08					5.1
			1.3							
ECZ	IPN	14 07	33.3	DIR	RES	DIST	AZ	W-A	W P	W S
	IP		38.3		0.6	2.16	198		5.6	5.2
	IS		09 00.4		0.2					
	IS		06.5		2.9					
	IS		11.5		-0.2					
GNZ	IPN	14 07	46.2		-0.7	3.19	200		5.0	4.7
	I		08 00.8							
	IS		22		-0.7					
	IS		25							
	IS		36		-1.6					
GBZ	IPN	14 07	48.6		1.2	3.23	259			
TUA	IPN	14 07	53		-0.1	3.63	209		5.1	5.1
	IP		08 03		-0.3					
	IS		36.5							
	IS		41.7							

LOCAL EARTHQUAKES

KRP	IPN	14 07	57.6	D	1.8	3.85	233		5.3	
	IP	08 21								
	I(SN)		39.2						0.5	
	IS		52						-5.30	
ONE	IPN	14 08	01		1.8	4.10	267		4.5	
	IP		09 00.5							
TRZ	IPN	14 08	01		-2.5	4.41	207		5.0	4.8
	IP		22							
	IS		56							
	IS		09 08		-5.10					
GNZ	IPN	14 08	07		-0.3	4.69	220		5.0	4.4
	I		13.1							
GRZ	IPN	14 08	18.4	USH	-1.7	5.54	280		4.8	
	IS		09 21		-1.1					
	IS		14 08 20.3		-2.60	5.85	211		4.6	4.8
MNG	IPN	14 08	20.3		-6.00					
	I(P)		35.2		-5.10					
	IS		09 21							
	IS		34							
	IS		43							
MEL	IPN	14 08	33		-1.50	6.70	211		5.4	
	IP		48							
	IS		54		-1.80					
	IS		09 45		-2.50					
	E(S)		10 16.5		-6.60					
KAI	IPN	14 09	24				9.26	220	5.4	
	IS		10 47							
USGS	ORIGIN	14 07	01.2		35.75S	179.3E	87 KM			
NOV 11	H	M	S	37,965	176,36E	165 KM	SE	0.9	AVG MAG	69/71
	16	00	19.4	0.03	0.03					4.3
			0.6							
KRP	IP	16 00	44.4	DE	0.7	0.65	273			
	IS		01 05		0.5					
TUA	IPN	16 00	47		0.5	1.05	144		4.4	4.5
	E(S)		01 07		-0.3					
GNZ	IPN	15 00	52.0	D	2.90	1.39	207			
	IP		01 17							
GNZ	IPN	15 00	51.3	D	0.9	1.47	118		4.1	4.1
	IS		01 13.0		-1.2					
TRZ	IPN	16 00	53.4		1.5	1.63	167		4.4	4.4
	IS		01 20							
	IS		24							
ECZ	IPN	16 00	54		0.8	1.75	82		4.7	4.3
	IS		58							
	IS		01 19		-0.3					
	IS		30							
GRZ	IPN	16 00	53		-1.6	1.88	338			
MNG	IPN	16 01	04.9		0.0	2.74	194		4.5	4.1
	IS		39		-0.8					
	IS		01 14.5		-0.4	3.54	200		4.3	4.1
	IS		57.5		-0.2					
	IS		02 11.5							
COB	IPN	15 01	23		-0.4	4.19	221			
	IS		02 13		0.3					
NOV 12	H	M	S	32,495	178,94W	563 KM	SE	1.8	AVG MAG	69/72
	10	07	17.4	0.41	0.73					5.5
			2.2							
ECZ	IPN	10 08	36.5	DIR	RES	DIST	AZ	W-A	W P	W S
	IS		10 12		2.6	5.58	201		5.4	5.2
	IS		17							
GNZ	IPN	10 09	01		-2.1	6.62	201			
	IS		05							
	IS		10 20							
KRP	IPN	10 09	07.3		0.1	7.05	218			
	IS		10 36							

		17 29								
		40								
COB		14 16 48,5	-1,2	4,09	233	4,0 3,7				
		17 02,5	1,2							
		39	-4,1*							
		51,3								
		18 05								
FELT OKAIHAU (36)										
H M S	34,49S		179,74E	379 KM	SE	1,0	AVG MAG 69/72			
+	-	0,12	0,17	13			4,3			
H M S	DIR	RES	DIST	AZ	W-A	W P	W S			
ECZ		0,4	3,34	196	4,5	4,7				
GNZ		-0,5	4,37	198	4,4	4,6				
TUA		-0,3	4,79	205						
KRP		-0,7	4,83	224						
TRZ		0,8	5,57	204						
CNZ		1,0	5,78	214			4,1 3,8			
MNG		-1,3	6,99	208						
HEL		-3,0*	7,84	209	5,2					
COB		-0,1	8,61	218						
		-0,6								
		0,4								
		0,2								
H M S	35,15S		178,56E	240 KM	SE	1,4	AVG MAG 69/72			
+	-	0,14	0,20	19			4,3			
H M S	DIR	RES	DIST	AZ	W-A	W P	W S			
ECZ		0,7	1,54	180	4,5	4,1				
GNZ		-1,0	2,33	190	4,3	4,2				
KRP		-0,3	3,00	233						
TRZ		-0,0	3,67	202	4,5 4,4					
MNG		0,2	5,08	208						
COB		2,4	6,72	221						
		-0,2								
		-1,6								
		-0,1								
H M S	41,72S		174,31E	12 KM	SE	1,3	AVG MAG 69/72			
+	-	0,03	0,02	2			4,0			
H M S	DIR	RES	DIST	AZ	W-A	W P	W S			
HEL		0,4	0,55	39	3,8	4,1 4,1				
COB		-0,3	1,34	297	4,2 4,0					
		0,3								
		0,7								
		-0,8								
		-1,1								
		0,4								
		1,7								
MNG		-0,3	1,41	39	4,1 4,0					
		-0,2								
		1,6								
		1,7								
KAI		2,1	2,31	249	3,7					
		-1,7								

		10 27	44,5								
		07,5	0,3 <td>2,93</td> <td>1</td> <td>3,9</td> <td>3,7</td> <td colspan="2"></td> <td colspan="2"></td>	2,93	1	3,9	3,7				
		12	-2,0 <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td>								
		17,1	<td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td>								
		35	1,7 <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td>								
		44									
CNZ		10 27	09,6	-0,3	2,68	21	4,2	4,3			
		19,0	-2,2								
		22,3									
		44	-1,2								
		52,1	-1,3								
		21	-3,2	2,88	42	4,1					
TRZ		10 27	27,3	1,3	3,63	230					
		28 13	-0,5								
		25	-0,1								
		27	0,3	3,90	14						
		31									
		19,5									
		24	2,2								
H M S	41,97S		174,36E	12 KM	SE	1,5	AVG MAG 69/72				
+	-	0,04	0,03	2			4,2				
H M S	DIR	RES	DIST	AZ	W-A	W P	W S				
HEL		0,2	0,66	28	4,2	4,4 4,6					
		0,0									
		0,5									
		-0,1									
COB		0,7	1,45	302							
		1,7									
		0,4									
		0,2									
		18,3	1,2								
		22,5	1,1								
MNG		58,9	-0,0	1,51	35	4,4	4,3				
		0,1	0,7								
		0,5	1,9								
		19	0,5								
		22,0									
		24,8	1,4								
KAI		18,8	-0,1	2,29	252	3,8					
		48,5	-1,3								
		52									
TRZ		19	-0,4	2,68	0	4,1	4,0				
		24,7	-2,0								
		31									
		44	-2,5								
		52	-2,6								
CNZ		21,6	-0,1	2,81	19	4,5	4,7				
		23,1									
		27,0	-2,4								
		58	-3,7								
		09	1,5	2,97	40	4,1	4,0				
		28,5									
		33									
		03	-0,5								
		11,2	-1,6								
MJZ		33,5	-1,0	3,56	232						
		38									
		42,3									
		27									
KRP		39,5									
		45,1	3,4	4,04	13						
		55	0,8								
		32	-3,6*								
		45	-3,7*								
GNZ		54,5									
		05 05,5	4,27	42	3,7						

NOV 21	H	M	S	40.39S	176.30E	12 KM	SE	1.1	AVG MAG	69/751			
	04	57	38.8	0.03	0.04					4.1			
				H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S
MNG	P			04	57	52.0		0.7	0.67	250			
	S			58	01			0.5			4.0	3.9	
TRZ	P			04	57	56		0.2	0.93	26			
	S			58	07			-1.4			4.1	4.3	
CNZ	P			04	58	03.1		0.5	1.33	334			
HEL	PG			04	58	10		1.4	1.47	232	3.6	4.6	
	ESN			21				-2.8					4.2
TUA	PN			04	58	09		1.1	1.71	23		4.0	4.1
	ESN			29.5				0.2					
GNZ	SN			04	58	41		0.3	2.20	38			3.7
KRP	PN			04	58	19		-0.2	2.54	346		4.1	3.7
	SG			59	04			-0.4					
COB	EPN			04	58	23		0.2	2.80	254			4.1
	ESN			56				0.2					
KAI	ESN			04	59	30		-0.6	4.25	238			4.4
MJZ	ESN			04	59	59		-4.7	5.63	228			4.5

NOV 21	H	M	S	46.18S	165.20E	33 KM	SE	0.9	AVG MAG	69/754			
	09	34	13.4	0.11	0.05					4.1			
				H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S
MNH	PN			09	34	40.0		-0.4	1.73	77		4.4	4.2
	P			43.3				-1.1					
	SN			33	01.5			0.8					
MSZ	EPN			09	34	53		1.1	2.44	53		3.9	3.9
HPZ	EPN			09	34	57		-0.3	2.57	102		4.0	4.0
ROX	EP			35	05			-0.4	2.96	78		4.2	4.0
	ESN			30				-0.8					
	ES			45				0.6					
MJZ	EP			09	33	28		-0.7	4.33	61		3.8	3.7
	ESN			36	05			1.1					

NOV 21	H	M	S	40.51S	176.42E	12 KM	SE	0.4	AVG MAG	69/753			
	11	38	03.0	0.01	0.01					3.8			
				H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S
MNG	P			11	38	21.7		0.3	0.72	261		3.6	3.6
	S			32				0.7					
TRZ	P			11	38	26		-0.2	1.00	18		4.0	4.0
	PG			29				1.6					
	SN			42				-0.2					
CNZ	PN			11	38	33.7		-0.2	1.47	333		4.1	4.0
	SN			53				-0.0					
	SG			58				0.4					
HEL	EPN			11	38	39.5		1.7	1.47	238	3.3	3.7	3.7
	ESN			53				-0.1					
GNZ	ESN			11	37	11		0.1	2.24	34			
KRP	SG			11	39	37.5		-0.5	2.47	345		3.8	
COB	EP			11	38	58		0.1	2.86	257			
	ES			39	05			-0.7					
	ES			44				-0.3					

NOV 21	H	M	S	38.19S	175.59E	298 KM	SE	0.5	AVG MAG	69/756			
	14	50	24.2	0.03	0.03					4.3			
				H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S
KRP	P			14	51	02.0		-0.3	0.29	335			
	S			32				-0.0					
CNZ	P			14	51	05.0		0.4	1.02	186		3.6	3.7
	S			36				-0.2					
TUA	P			14	51	06.7		1.4	1.30	119		4.2	4.4
	ES			37				-1.5					

NOV 21	H	M	S	33.54S	177.99W	335 KM	SE	3.4	AVG MAG	69/757			
	18	25	27.8	0.27	0.26					4.1			
				H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S
GNZ	EP			18	26	59		1.0	5.94	212		4.1	4.2
	EP			28	09			0.1					
KRP	EP			18	27	10		2.1	6.77	229			
MNG	EP			18	27	27		-3.8	8.69	215			
	ES			18	29	05		-2.8					
COB	ES			18	29	45		0.9	10.36	174			
	ES			18	29	49		2.5	10.47	222			

NOV 21	H	M	S	38.06S	175.24E	12 KM	SE	0.1	AVG MAG	69/755			
	23	29	43.2	0.01	0.00					3.4			
				H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S
KRP	P			23	29	54.0		-0.0	0.57	293		3.4	3.2
	S			30	02			0.0					
GNZ	EP			23	29	57		-0.3	0.58	191			
TUA	EP			23	30	02		-0.0	1.04	137			3.5
CNZ	P			23	30	06.0		0.1	1.26	205			3.4
GNZ	EP			23	30	14		-0.0	1.52	113			3.3
TRZ	EP			23	30	15		0.1	1.56	153			3.5
MNG	P			23	30	29		-0.2	2.43	193			3.1

FELT ROTORUA (33) KM IV

NOV 22	H	M	S	31.53S	178.81W	431 KM	SE	2.2	AVG MAG	69/759			
	01	49	29.2	0.35	0.79					5.5			
				H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S
GNZ	S			01	52	43		-0.8	7.51	199			
KRP	EP			01	51	20		0.1	7.86	215			
TUA	EP			01	51	22		1.2	7.94	203			
	ES			52	52			-0.2					
TRZ	ES			01	53	10		2.0	8.72	203			
MJZ	EP			01	51	43.0		-2.5	10.13	205			
	ES			45.8				-2.9					
HEL	ES			01	53	57		2.7	10.98	206		5.5	
COB	EP			01	52	04		1.2	11.68	213			
	ES			54	08			-0.7					

NOV 22	H	M	S	38.69S	174.46E	12 KM	SE	1.2	AVG MAG	69/760			
	04	03	33.1	0.01	0.02					4.5			
				H	M	S	DIR	RES	DIST	AZ	M-A	W P	W S
TRZ	P			04	03	42.3		-0.4	0.50	187			4.6
	P			43.5				0.3					
CNZ	P			04	03	49.9		-1.2	0.99	121		4.3	4.5
KRP	P			04	03	52.9		-0.7	1.14	48		4.7	4.6
	S			04	07.5			-1.5					
MNZ	P			04	03	57		0.8	1.29	88		4.9	4.9

NOV 22	H	M	S	43.6	40.65S	179.03E	33 KM	SE	1.0	AVG MAG	69/ 763
+	-	0.4	0.32	0.02	3	DIR	RES	DIST	AZ	W-A	W P W S
AUC	S	04	04	14	0.6						
	S	04	04	31	1.0	1.84	8				
	SS			37	1.8						
TRZ	SS	04	04	07	0.5	2.03	116			4.1	4.2
	SS			37.5	1.7						
MNG	SV	04	04	06.0	-1.1	2.09	158			4.5	4.3
	S			36	-1.4						
TJA	SS	04	04	09	-1.2	2.11	94			4.2	
	SS			17	1.3						
	SS			39	3.9						
GBZ	SV	04	04	13	-1.2	2.60	19				
	SS			24	-1.5						
	SS			44	-1.1						
HEL	SV	04	04	15	0.6	2.61	175			4.1	4.4
	SS			47	1.6						
	SS			53	-3.1						
	SS			02	1.0						
COB	SV	04	04	15.0	-1.2	2.74	208			4.5	5.0
	S			19.7	-1.3						
	SS			50	1.4						
GNZ	SS	04	05	06	-1.2	2.79	90				
ONE	EP	04	04	25	1.1	2.91	358			4.1	
	SS			53	0.4						
KAI	SS	04	05	27	-3.4	4.48	210				
	SS			46	-3.4						
	SS			05	-4.1						
MJZ	EP	04	05	04	2.9	6.09	208				
	SS			06	4.1						
	SS			33	-4.7						
FELT TARATA (47) M III											
NOV 22	H	M	S	43.3	47.43S	164.49E	33 KM	SE	0.8	AVG MAG	69/ 764
+	-	1.5	0.06	0.05	10	DIR	RES	DIST	AZ	W-A	W P W S
KRP	EP	04	14	20	0.7	0.98	320				
	S			37.8	-1.5						
GNZ	P	04	14	22.0	0.9	0.90	203			3.7	
	SS			43	2.4						
TJA	P	04	14	22.0	0.3	1.00	116			4.5	
	SS			43	-0.8						
TRZ	P	04	14	25.7	1.1	1.34	152			4.3	4.2
	S			50	1.2						
GNZ	P	04	14	28.0	1.0	1.61	100			3.8	3.3
	S			51	-2.1						
MNG	IP	04	14	34.0	-0.3	2.28	190			4.1	4.0
	S			15 04.5	-1.3						
COB	SS	04	15	35	-1.5	3.71	222				
NOV 22	H	M	S	46.3	38.43S	175.95E	171 KM	SE	1.0	AVG MAG	69/ 765
+	-	1.1	0.03	0.04	7	DIR	RES	DIST	AZ	W-A	W P W S
KRP	P	18	33	10.0	-0.7	0.80	327			3.6	
	S			28.9	-0.5						
GNZ	P	18	33	13.0	0.9	0.84	202			3.4	3.4
	SS			32.5	3.6						
	SS			35							
TJA	P	18	33	13.8	0.5	1.01	113			4.5	
TRZ	P	18	33	17.2	1.2	1.31	149			4.4	4.1
	SS			40	1.1						
GNZ	P	18	33	19.0	-0.2	1.64	98			3.8	3.6
	S			43	-1.5						
MNG	IP	18	33	25.8	0.2	2.22	189			4.0	4.0
	S			55	-0.9						
HEL	S	18	34	12.0	-0.8	3.00	197			4.0	4.0
COB	SS	18	34	25.8		3.64	222				3.6
MJZ	SS	18	33	39	-5.2	6.93	215				

NOV 22	H	M	S	43.6	40.65S	179.03E	33 KM	SE	1.0	AVG MAG	69/ 763
+	-	0.4	0.32	0.02	3	DIR	RES	DIST	AZ	W-A	W P W S
TRZ	SV	22	23	15	0.4	2.12	303			4.1	4.6
	SV			38.0	0.0						
GNZ	SV	22	23	15.5	-0.9	2.16	339			3.8	3.9
	SV			40	-1.4						
TJA	SV	22	23	43	-3.0	2.35	321			4.5	
MNG	SV	22	23	24.3	0.5	2.70	270			3.9	3.8
	SV			53.5	-0.9						
ECZ	EP	22	23	37.0	0.9	2.99	353				
GNZ	SV	22	23	30.9	2.1	3.05	298			3.9	3.7
	SV			24 03	0.0						
HEL	SV	22	23	32.0	0.1	3.28	258			4.3	4.6
	SV			24 09	0.3						
KRP	EP	22	24	22	-0.5	3.85	314				
CIZ	SV	22	24	41	-3.5	4.64	137				5.3
COB	SV	22	23	33	0.5	4.79	263			4.1	4.1
	SV			24 45.3	0.3						
GPZ	EP	22	25	13	-1.6	6.01	249				
KAI	EP	22	24	25	3.6	7.16	240				
MJZ	SV			25 42	-0.2						
NOV 23	H	M	S	43.0	47.43S	164.49E	33 KM	SE	0.8	AVG MAG	69/ 764
+	-	1.4	0.10	0.07	7	DIR	RES	DIST	AZ	W-A	W P W S
MNA	SV	08	16	24.0	0.3	2.72	54			4.1	3.9
	SV			55	0.7						
WPZ	EP	08	16	29	0.4	3.08	77				3.9
	SV			17 03	-0.2						
MSZ	EP	08	16	39	-0.3	3.65	42			3.9	3.8
ROX	EP	08	17	16	-1.0	3.87	61			4.0	3.8
MJZ	EP			42		5.42	53				
MSZ	S			42							
NOV 23	H	M	S	43.1	41.69S	173.81E	12 KM	SE	0.8	AVG MAG	69/ 765
+	-	0.2	0.02	0.02	7	DIR	RES	DIST	AZ	W-A	W P W S
HEL	IP	08	48	30	-0.3	0.82	61			3.8	4.1
	S			41.0	-0.5						
COB	IP	08	48	33.4	-0.1	1.01	306			4.2	4.1
	S			47.0	-0.1						
MNG	IP	08	48	42.8	-0.6	1.65	50			4.1	4.0
	SV			49 04	-0.3						
	S			07	0.5						
KAI	EP	08	48	50	-0.0	1.98	244			3.6	
	SV			49 11	-0.7						
TRZ	EP	08	48	55	-0.5	2.54	10			3.9	4.0
	EP			49 05	-0.5						
	SS			42	1.3						
GNZ	EP	08	49	03.3	-0.9	2.82	29				4.1
	S			40.0	-1.4						
TRZ	SS	08	50	02	1.4	3.13	48				
MJZ	EP	08	49	08	1.4	3.37	226				
	S			13.5	-0.3						
	SV			46	0.5						
	S			58	0.0						
KRP	EP	08	49	16	1.0	3.99	20			3.7	3.8

NOV 24	H	M	S	41.73S	171.84E	12 KM	SE	0.9	AVG MAG	69/74			
	03	20	48.5	0.02	0.02					3.4			
			0.3										
				4	4	S	DIR	RES	DIST	AZ	M-A	W P	W S
KAI	EP*			03	21	03.0		-1.3	0.86	202			
	PG					06.4		0.4					
	I					15.0							
	S*					17		1.0					
COB	IP*			03	21	05.7	U	0.3	0.93	47			
	S*					19.0		1.0					
GPZ									2.06	164	3.6		
HEL	EPG			03	21	34.0		0.1	2.24	80	3.6	3.9	4.1
	S*					57		-0.3					
	SG					22		0.9					
MJZ	EPN			03	21	28		0.2	2.48	204		3.0	3.4
	EP*					31		-0.9					
	EPG					39		0.4					
	SV					56.8		-0.4					
	S*					22		0.5					
MNG	EPV			03	21	35		0.4	2.96	69		4.1	3.1
	S*					22		-1.2					
	ESG					28		-0.4					
TNZ	EPJ			03	21	52		-1.0	3.19	38		4.0	3.1
	ES*					22		1.0					
CNZ	P*			03	21	56		1.6	3.79	49		4.0	4.1
	PG					22		-1.1					
KRP	EPV			03	22	04.0		2.4*	4.74	38		3.4	3.3
	EP*					10		-0.8					
NOV 24	H	M	S	35.53S	179.37E	221 KM	SE	1.1	AVG MAG	69/74			
	07	09	19.0	0.07	0.09					4.3			
			1.1										
				4	4	S	DIR	RES	DIST	AZ	M-A	W P	W S
ECZ	P			07	10	02.0		-0.1	2.26	197		4.8	
	ES					36		0.7					
GNZ	P			07	10	13.0		-0.6	3.29	199		4.1	4.2
	S					55.0		-0.9					
KRP	P			07	10	22.9		2.0	3.89	231		3.9	
	ES					11		-0.8					
TRZ	EP			07	10	29		3.7	4.50	206		4.2	4.1
	ES					11		3.9*					
MNG	P			07	10	45		-1.4	5.93	210		3.8	4.1
	S					11		0.5					
HEL	S			07	12	14		-0.1	6.78	211	5.0		
COB	EP			07	11	07		-1.0	7.61	221			
	ES					12		0.3					
	ES					07		0.3	8.96	161			
NOV 24	H	M	S	39.22S	174.79E	33 KM	SE	1.2	AVG MAG	69/74			
	11	14	42.8	0.02	0.02					3.7			
			0.3										
				4	4	S	DIR	RES	DIST	AZ	M-A	W P	W S
TNZ	IP*			11	14	50.0		-0.3	0.29	276			
	S*					54.5		-1.1					
CNZ	PV			11	14	52.8		-1.7	0.62	88		3.6	4.0
	P*					56		0.8					
	SV					13		-2.1					
KRP	PV			11	15	05.7		0.0	1.43	26		3.4	3.7
	ISV					24.1		1.2					
MNG	EPV			11	15	06.5		-0.2	1.51	158		3.8	3.7
	EP*					11		1.0					
	SN					25		0.3					
TRZ	ES*			11	15	35		0.9	1.64	102			
HEL	SV			11	15	41		2.8*	2.06	180	3.4	3.8	3.9
	S*					46		-0.8					
COB	EPV			11	15	19.7		0.4	2.42	219		3.8	3.7
	P*					27.5		1.9					

NOV 24	H	M	S	39.14S	175.39E	12 KM	SE	0.4	AVG MAG	69/769			
	14	15	23.8	0.01	0.01					3.5			
			0.1										
				4	4	S	DIR	RES	DIST	AZ	M-A	W P	W S
CNZ	IP*			14	15	27.1		-0.1	0.13	115			
	ISG					30.0		0.4					
TNZ	P*			14	15	38.1		-0.2	0.79	266		3.7	3.3
	S*					49.5		0.4					
KRP	P*			14	15	44.0		-1.8*	1.22	5		3.4	3.6
	PG					48		-0.6					
	S*					16		-0.2					
	SG					05.8		0.7					
MNG	PV			14	15	49.2		-0.6	1.48	177		4.0	3.3
	P*					50.1		-0.0					
	S*					16		0.2					
COB	EPV			14	16	08		0.0	2.81	226		3.2	3.3
NOV 24	H	M	S	42.05S	177.76E	77 KM	SE	1.6	AVG MAG	69/770			
	16	43	24.0	0.07	0.08					3.8			
			1.2										
				4	4	S	DIR	RES	DIST	AZ	M-A	W P	W S
MNG	P			16	44	00.0		0.3	2.24	309		3.8	3.9
	IS					25.5		-0.7					
HEL	ES			16	44	29		-0.6	2.37	288	3.2		3.7
TRZ	P			16	44	06.0		1.0	2.60	344		4.3	3.6
	ES					37		1.3					
TJA	ES			16	44	14.8		0.5	3.27	352		4.7	3.9
	P					32		-0.2					
GNZ	ES			16	44	15.8		-0.4	3.41	3		3.6	3.4
	P					53		-2.6					
TNZ	ES			16	45	09.5		3.0	3.85	317			
COB	ES			16	44	23.6		0.7	3.89	283		3.8	3.9
	ES					43		-1.6					
CIZ	ES			16	45	13			4.57	116			
MJZ	EP			16	44	47		-0.6	5.69	248			
NOV 24	H	M	S	40.26S	174.99E	12 KM	SE	1.3	AVG MAG	69/771			
	19	30	31.9	0.02	0.03					3.4			
			0.4										
				4	4	S	DIR	RES	DIST	AZ	M-A	W P	W S
MNG	IP*			19	30	42.9	U	0.5	0.55	132		3.8	3.7
	S*					51		1.0					
HEL	EP*			19	30	50		-0.8	1.04	187	3.0	3.0	3.7
	S*					31		0.2					
CNZ	S*			19	31	07		-1.2	1.15	24			
TNZ	P*			19	30	53.4		0.7	1.15	338		3.8	3.6
	ES*					31		0.8					
	SG					13		2.1					
TRZ	ESV			19	31	20		0.0	1.60	65			3.4
COB	EPV			19	31	03		-0.2	1.88	243		3.2	3.6
	ES*					28.7		-1.3					
KRP	ESG			19	31	50		-1.9	2.37	11			2.9
NOV 25	H	M	S	41.69S	173.49E	12 KM	SE	0.9	AVG MAG	69/772			
	13	34	07.9	0.02	0.02					3.4			
			0.3										
				4	4	S	DIR	RES	DIST	AZ	M-A	W P	W S
COB	P*			13	34	23		-0.1	0.83	316		3.8	3.9
	S*					34		-0.3					
HEL	P*			13	34	26.3		-0.4	1.04	68	3.2	3.8	3.7
	PG					28.0		-1.0					
	S*					42		-1.1					
	SG					42		-0.5	1.76	241	2.8		
KAI	ESV			13	34	59		-0.3	1.84	58		4.0	3.5
MNG	EP*			13	34	40.2							

		ESQ	10	=0.1	2.10	197	3.2			
GPZ	ESV	13 35 28		-0.2	2.94	33		3.4	3.4	
MJZ	ESN	13 35 35		0.8	3.20	223				
GNZ	ESV	13 36 10		1.6	4.61	50		3.3	2.8	
NOV 25	H M S	23 42 07.5	36.45S	177.80E	248 KM	SE	1.0	AVG MAG	69/ 775	5.1
			0.04	0.04	7			W-A	W P	W S
ECZ	IP	23 42 44.9		U	-0.1	1.38	155			
GSZ	IP	23 42 47.8			-1.3	1.99	276			
GNZ	IP	23 42 52.0		UN	0.1	2.20	175			
KRP	IP	23 42 54.3			1.1	2.33	230		5.3	4.8
TJA	IP	23 42 54.1		U	3.1	2.41	192		6.1	6.0
AUC	P	23 42 57.5			2.9*	2.47	259			
ANZ	P	23 42 57.0			1.3	2.57	211			
ONE	IP	23 42 59.0		E	0.1	2.87	283		5.6	6.4
TRZ	IP	23 43 02.8		U	0.4	3.20	194		6.1	6.0
GNZ	IP	23 43 04.0		U	0.6	3.28	212			
CRZ	IP	23 43 04.0			4.64	294				
MEL	IP	23 43 27.2		U	-1.3	5.38	205		6.4	6.1
COB	P	23 43 37.2			-0.2	6.10	219			
KAI	IP	23 44 01			1.4	7.83	217		6.1	
GPZ	EP	23 44 14			4.3*	8.25	207		6.5	
CIZ	IP	23 44 21								
MJZ	P	23 44 19.7			5.5*	9.39	214			
ROX	EP	23 44 39.6			-0.1*	11.06	213			
MVW	P	23 44 53.2			-1.6*					
WPZ	EP	23 44 57			-0.7*	12.07	216			
USC3S	ORIGIN	23 42 08.5	36.1S	178.1E	197 KM	MS	4.8			
FE-T	MAUNGATANIWA (52)									
NOV 26	H M S	12 43 37.9	40.86S	179.00E	33 KM	SE	1.0	AVG MAG	69/ 771	3.8
			0.04	0.05	2			W-A	W P	W S
TRZ	EPV	12 44 10.0			-3.2	2.11	307		4.1	4.1
GNZ	EPV	12 44 12.5			-0.5	2.33	341		3.7	3.8
TJA	EPV	12 44 15			-2.6	2.49	325		4.0	4.1
MVW	EPV	12 44 17.5			-0.2	2.68	274		3.3	3.3
GNZ	EPV	12 44 25			0.1	3.12	301		3.7	3.6
MEL	EPV	12 44 25			-2.3	3.22	261		3.9	3.7
TNZ	EPV	12 45 18			-1.1	3.92	294			
KRP	EPV	12 44 35			1.7	3.07	316		3.3	

		COB	4.75	265	3.8	4.0				
NOV 26	H M S	14 18 25.7	40.97S	176.67E	12 KM	SE	1.2	AVG MAG	69/ 775	3.6
			0.03	0.03	2			W-A	W P	W S
MVZ	IP	14 18 42.2			-1.1	0.97	291		4.0	4.1
TRZ	EPV	14 18 49.8			-1.1	1.42	5		3.9	3.7
MEL	EPV	14 18 50.5			1.5	1.47	257		3.1	4.0
GNZ	EPV	14 18 58.9			-1.6	1.96	334		3.7	3.9
TJA	EPV	14 19 01			0.8	2.19	10			3.7
TNZ	EPV	14 19 06			-0.4	2.30	315		3.4	3.4
GNZ	EPV	14 19 06			-1.5	2.54	25		2.9	3.0
COB	EPV	14 19 19			1.7	2.98	266		3.8	3.7
KRP	EPV	14 19 29.8			-0.1	3.16	344			
NOV 26	H M S	16 24 57.4	45.45S	157.09E	84 KM	SE	1.8	AVG MAG	69/ 776	3.6
			0.11	0.17	21			W-A	W P	W S
MVZ	IP	16 25 11.0			-0.9	0.50	132		4.0	3.4
MSZ	P	16 25 25.9			0.1	0.97	37		3.5	3.6
ROX	P	16 25 45.9			1.4	1.57	92		3.8	3.7
WPZ	ES	16 25 47			1.3	1.73	135			3.8
MJZ	S	16 26 13.5			-0.8	2.82	60			3.2
NOV 26	H M S	15 57 39.5	38.49S	176.32E	136 KM	SE	0.9	AVG MAG	69/ 777	4.9
			0.02	0.02	5			W-A	W P	W S
MVZ	P	15 57 59.0			0.7	0.72	231		5.6	5.3
TJA	IP	15 58 01.4			0.5	0.72	116			
KRP	IP	15 58 01.9			-0.1	0.84	312		4.6	4.4
GNZ	IP	15 58 03.3			-0.9	0.93	220		4.7	4.7
TRZ	IP	15 58 05.6			0.8	1.1	150		5.3	5.3
GNZ	IP	15 58 06.5			0.4	1.34	97			
TNZ	P	15 58 12.0			-0.2	1.67	245		4.4	4.1
ECZ	P	15 58 12.8			-0.5	1.93	66		5.2	5.3
AUC	IP	15 58 14.9			1.7	2.04	323			
MVZ	IP	15 58 17.1			0.2	2.22	197		4.9	4.8
ORZ	IP	15 58 17.9			-0.6	2.37	343		4.3	
MEL	IP	15 58 26.5			-0.9	3.04	203		5.2	5.0
ONE	P	15 58 29.6			-1.1	3.13	329		4.2	
COB	S	15 59 00			-1.2	3.79	226		4.7	4.7
KAI	ES	17 00 00			0.8	5.50	221		5.2	
GPZ	P	16 59 19.0			0.8	5.90	207		5.4	
MJZ	P	16 59 19.0			-0.4	7.04	217			

STATION	TIME	COORDINATES	DEPTH	DIRECTION	MAGNITUDE	AVG MAG	W-A	W-P	W-S
MNW	06 32 54.5	35.4	-0.5	1.36	191	4.1	4.1		
RDX	06 32 54.8	14	1.0	1.40	138	4.1	4.1		
MJZ	06 33 01.5	03	0.1	1.85	77	3.8	3.3		
UEQ 03	07 14 19.4	44.35S 167.92E	12 KM	SE	0.8	AVG MAG	69/790		
MSZ	07 14 29.2	45	-0.8	0.32	180				
MNW	07 14 45	46.2	-0.1	1.45	188	4.0	4.1		
RDX	07 14 44.8	08.6	-1.0	1.91	139	4.1	3.1		
MJZ	07 14 51	11	0.7	1.87	80	3.6	3.1		
UEQ 03	07 24 29.9	39.03S 176.39E	184 KM	SE	1.3	AVG MAG	69/791		
TUA	07 24 56.2	25	-0.8	0.98	143	4.8	4.3		
GNZ	07 25 01.1	1.1	1.1	1.34	209	4.3	3.1		
GNZ	07 24 59.8	25	-1.0	1.42	116	4.7	4.1		
TRZ	07 25 03.0	40	1.0	1.56	168	4.9	4.7		
ECZ	07 25 05	30	2.4	1.74	79	4.9	4.1		
MNQ	07 25 14.2	32	-0.4	2.68	195				
HEL	07 25 24.1	50.0	-0.2	3.48	201	4.8	4.6	4.3	
COB	07 25 32	26	-0.0	4.16	222	4.3	4.1		
UEQ 04	13 37 17.1	40.80S 174.68E	12 KM	SE	0.7	AVG MAG	69/791		
HEL	13 07 27.0	33.3	0.4	0.49	172	3.9			
MNQ	13 07 29.1	0.1	0.1	0.63	74				
COB	13 07 44.7	09	0.9	1.50	258				
GNZ	13 07 47.9	08	-0.8	1.73	23	4.1	3.1		
UEQ 04	23 46 54.0	41.33S 171.54E	12 KM	SE	1.2	AVG MAG	69/791		
KAI	23 47 13.9	0.3	0.3	1.00	186	3.4			
COB	23 47 12.4	24.6	-0.9	1.00	64	4.2			

STATION	TIME	COORDINATES	DEPTH	DIRECTION	MAGNITUDE	AVG MAG	W-A	W-P	W-S
GPZ	23 47 34	13.8	-0.5						
HEL	48 03.3	23.8	-1.9						
MJZ	23 47 42		0.0						
MNQ	48.5		0.2						
GNZ									
UEQ 05	03 05 05.8	32.35S 179.72W	552 KM	SE	0.9	AVG MAG	69/790		
ECZ	03 06 42	4	1.2						
GNZ	03 05 50	5	-1.3						
KRP	03 06 52.5	14	0.0						
GNZ	03 07 02.2	17	-0.3						
MNQ	03 07 15	37	1.0						
HEL	03 09 14	59	-0.4						
UEQ 05	14 47 32.1	40.14S 176.63E	12 KM	SE	1.0	AVG MAG	69/791		
TRZ	14 47 44.8	54	0.2						
MNQ	14 47 50.4	56.6	-1.3						
GNZ	14 47 54.9	48	0.2						
HEL	14 48 24	55.5	-0.5						
GNZ									
HEL									
GNZ									
KRP									
FELT WAIPIAHA (60) 4M IV									
UEQ 05	17 42 24.2	43.01S 167.72E	118 KM	SE	1.1	AVG MAG	69/792		
MSZ	17 42 42.1	4	0.6						
MNW	17 42 44.6	5	0.4						
RDX	17 42 49.9	58.6	-0.9						
WPZ	17 42 56.8	43	0.2						
MJZ	17 43 00.0	18.8	-0.9						
GNZ									
DMZ									
KAI									
UEQ 06	06 56 33.3	37.53S 177.53E	12 KM	SE	0.9	AVG MAG	69/793		
ECZ	06 56 47.1	4	-0.7						
GNZ	06 56 54.5	5	0.1						

STATION	COMPONENT	TIME	AMPLITUDE	PERIOD	SLUG	AVG MAG	69/79
TUA	EP	06 56 58	1.0	1.32	199		
	SP	57 14	-0.7			4.9	5.1
KRP	IPV	06 57 02.0	D	0.2	1.67	256	
	SV	21.5	-1.3			4.7	4.4
TRZ	EPN	06 57 08	0.4	2.11	196		
GNZ	IPN	06 57 12.2	D	1.8	2.31	223	
	PG	20.5	0.4			4.8	5.1
	SN	39	1.0			4.7	4.4
MNG	E	06 57 24.6		3.49	207		
	PE	34	-0.1			4.5	4.7
HEL	PN	06 57 38	0.1	4.34	209	5.2	4.8
	SV	53 26.5	-0.7			4.8	5.1
	SE	49	-0.4				
COB	PN	06 57 48	-1.1	5.17	225		
	E	58 50.8				4.7	4.7
FELT ON MAID (28) MM III							
REQ 07	H M S	04 28 48.1	35.235	179.99E	12 KM	SE 1.3	AVG MAG 69/79 4.1
		1.1	0.04	0.09			
	H M S	04 29 34	-1.8	2.72	205		
ECZ	PE	04 29 34	-1.8	2.72	205		
GNZ	EPV	04 29 44.8	-0.1	3.76	204		
	SV	30 29	1.1			4.8	4.8
TJA	PN	04 29 51.5	0.2	4.23	212		
	SN	30 41	1.6			5.0	5.1
	SG	31 10	-0.8				
KRP	PN	04 29 55.0	0.4	4.48	232		
	SV	30 47	1.6			4.6	4.8
ONE	PN	04 29 56	-0.9	4.62	262	4.7	
TRZ	PN	04 30 02	0.4	5.00	209		
	SV	31 00	2.1			5.0	5.1
	SG	35	-1.6				
GNZ	EPN	04 30 05.8	-0.0	5.32	220		
CRZ	PN	04 30 15	-3.8	6.06	275		
MNG	SV	04 31 31	-1.7	6.45	212		
HEL	SV	04 31 49	-4.0	7.31	213	5.6	
REQ 07	H M S	13 14 43.0	39.758	173.09E	12 KM	SE 0.7	AVG MAG 69/79 4.1
		0.4	0.01	0.02			
	H M S	13 15 07.6	U	0.0	1.37	191	
COB	PN	13 15 07.6	U	0.0	1.37	191	
	SV	25	-0.8				
GNZ	IPV	13 15 15.8	D	0.2	1.98	75	
	PG	23	-0.0			4.2	4.3
	I(SN)	38.8	-0.8				
HEL	PE	13 15 19	0.7	2.00	141	3.9	4.3
	PG	23.8	0.3				
	SV	41	0.9				
	SE	44.3	-0.5				
	SG	49.8	-0.7				
MNG	PN	13 15 16.7	0.4	2.03	116		
	PE	18	-0.8			3.9	4.1
	PG	25.5	1.4				
	SE	45.3	-1.1				
KRP	EP	13 15 29	-0.2	2.64	47		
	PG	36.2	-0.2			3.8	3.8
	SE	15 35	1.1				
	SG	11	-0.9				
TRZ	E	13 15 38		2.88	87		
REQ 09	H M S	17 50 22.3	32.795	176.63W	438 KM	SE 1.6	AVG MAG 69/79 6.1
		2.1	0.27	0.49			
	H M S	17 52 02.0	0.3	6.44	204		
GNZ	P	17 52 02.0	0.3	6.44	204		
	S	53 20.7	0.6				

LOCAL EARTHQUAKES

STATION	COMPONENT	TIME	AMPLITUDE	PERIOD	SLUG	AVG MAG	69/79
KRP	EP	17 52 07.8	0.1	6.99	221		
MNG	EP	17 52 29.7	-1.6	9.12	239		
	SV	54 11.5	-2.0				
	EP	17 52 42	1.1	9.98	210		6.0
	SV	54 32.2	1.3				
	S	17 54 47.4	0.2	10.78	217		
COB	S						69/797
	H M S	4 4 5	40.275	173.63E	104 KM	SE 1.6	AVG MAG 4.6
		19 34 30.2	0.07	0.07			
	H M S	19 35 20.3	U	1.4	1.05	219	
	DIR	RES	DIST	AZ	W-A	W P	W S
COB	IP	19 35 20.3	U	1.4	1.05	219	
TRZ	S	19 35 21.5	1.1	1.24	29		4.1 4.3
	SV	43.5	-0.3				
HEL	IP	19 35 23.1	U	1.7	1.35	139	4.8 4.9
	IS	46.3	0.8				
MNG	IP	19 35 23.8	1.2	1.48	104		
	IS	47.0	-0.6				
TRZ	S	19 35 07.8	-1.1	2.58	75		4.5
KAI	S	19 35 11.0	-2.5	2.79	215		4.5
TUA	S	19 35 18.4	-1.7	3.11	63		4.8
GNZ	S	19 35 33	-0.2	3.79	66		4.4
REQ 09	H M S	19 38 21.7	33.978	176.09W	33 KM	SE 2.2	AVG MAG 69/798 5.5
		2.6	0.15	0.22			
	H M S	19 39 44	0.9	5.72	228		
ECZ	EP	19 39 44	0.9	5.72	228		
	SV	40 43.0	3.0				
	SV	49					
GNZ	EP	19 39 57	1.2	6.66	224		
	SV	40 58.3					
	SV	41 09.0	0.7				
	SV	25.5				7.26	250
GBZ	S	19 40 18	1.5	7.28	226		
TUA	S	19 41 24.7	-2.7	7.85	237		
KRP	EP	19 40 09.0	-3.3				
	SV	41 33.5	1.6	8.05	254		5.4
ONE	EP	19 40 16	0.8	9.31	264		
CRZ	EP	19 40 32.0	-1.9	9.44	223		
MNG	EP	19 40 31	0.1				
	S	42 14.8					
	S	37					
HEL	S	19 42 32.8	-1.9	10.28	222		6.0
REQ 09	H M S	22 40 58.8	41.485	171.97E	12 KM	SE 1.4	AVG MAG 69/799 4.0
		0.9	0.04	0.04			
	H M S	22 41 12.5	0.7	0.70	56		
COB	IP	22 41 12.5	U	0.6	1.12	202	4.0
KAI	EP	22 41 21.5	-0.6				
	IS	34.5	0.3				
	IS	39.7	-0.8				
	SG	35.3	-0.5				
	SG	40					
HEL	PE	22 41 35.3	-0.9	2.12	86	3.9	4.2 4.3
	SV	42 02.8	-1.3				
	SV	12.3	2.0				
	SV	19.3					
GBZ	EP	22 41 45	1.2	2.27	167		3.6
	SV	42 05.0	2.5				
	SV	10.0	1.3				
	SV	13.2	-2.2				
MNG	EPN	22 41 44	1.3	2.80	73		4.2 4.0
	PE	48	0.2				
	SE	42 22.7	-1.8				
	SG	32.7	-0.4				

MSZ
FELT MURCHISON (60) 4M IV

4.35 222

DEC 09	H	M	S	39.935	177.20E	12 KM	SE	1.1	AVG MAG	69/ 804
	22	51	43.6	0.03	0.03					
			0.6							
TRZ	P			22 51 54.1		1.3	0.48	322		
TUA	PV			22 52 04.8		-0.1	1.12	358		
	PG			06.3		-0.4			4.5	4.4
	S			19.0		0.0				
GNZ	SN			22 52 29.2		1.3	1.44	27		
CNZ	PV			22 52 08.0		-1.5	1.47	299		
	PA			09.7		-0.8			4.3	4.1
	IPV			09.7		-0.4				
	SV			13.0		-1.7				
	S			27		0.6				
	SG			30		0.7				
MV3	PV			22 52 08.5		-1.2	1.48	242		
	PA			09.5		-0.5			3.8	3.7
	PG			19		1.4				
	S			31		1.2				

DEC 11	H	M	S	45.79S	157.19E	12 KM	SE	0.9	AVG MAG	69/ 804
	05	14	08.3	0.02	0.03					
			0.6							
MSZ	P			05 14 31.0		0.6	1.23	25		
WPZ	IPV			05 14 31.6		0.6				
	SN			52		-0.1	1.44	128		
	S			53.4		0.0			4.4	4.3
	SG			57.0		-0.1				
RDX	IPV			05 14 35.1	U	0.2	1.52	79		
	P			35.7		0.2			4.7	4.6
	ISV			54.8		0.2				
	S			56.5		0.7				
	SG			15 01.0		1.2				
MJZ	PV			05 14 53		-1.2	2.04	53		
	SN			15 27.0		-1.7			3.9	4.1

DEC 11	H	M	S	39.48S	174.36E	204 KM	SE	1.2	AVG MAG	69/ 804
	09	35	57.3	0.07	0.08	14				
			1.7							
CNZ	P			09 36 27.5		0.1	0.96	74		
	S			51		1.3			3.5	3.3
MV3	IPV			09 36 31.0	U	0.0	1.43	143		
	IS			55.6		-1.4			4.0	3.6
WEL	S			09 37 09.5		1.4	1.83	170		
CP3	EP			09 36 36.5		-0.3	2.03	217		
	ES			37 07		-0.2			3.9	3.7

DEC 11	H	M	S	34.11S	179.65W	314 KM	SE	2.5	AVG MAG	69/ 804
	14	51	21.6	0.17	0.35	34				
			3.5							
EOZ	EP			14 52 29		1.4	3.87	202		
	S			53 21.5		2.3			5.1	4.9
GNZ	EP			14 52 37.5		-1.5	4.00	202		
	S			53 36		-3.8			4.5	4.7
DNE	EP			14 52 41		-1.4	5.19	250		
KRP	P			14 52 47.3		1.9	5.45	224		
MV3	EP			14 53 10.5		-0.3	7.57	209		
	S			54 36.8		0.3			4.2	
WEL	E			14 53 23.8			8.42	210		
	S			54 56.3		1.1			5.7	

LOCAL EARTHQUAKES

DEC 11	H	M	S	37.25S	177.30E	12 KM	SE	0.9	AVG MAG	69/ 804
	16	10	14.3	0.02	0.01					
			0.4							
EOZ	P			16 10 33		-1.0	1.59	114		
	PS			35.5		0.1				
	E			46.0						
	SG			49.5		-1.6				
GNZ	PV			16 10 41.3		0.7	1.50	158		
	PA			42.1		1.0			4.4	4.2
	PS			50						
	SN			11 00.5		0.5				
	SS			06.0		0.9				
KRP	IPV			16 10 41		-0.3	1.55	244		
	SN			58					3.3	3.8
	SG			11 05.3		-1.4				
GBZ	IPV			16 10 42.5		0.8	1.79	305		
	PA			49.6		3.6			4.0	3.7
	SN			16 10 57		0.8	2.38	215		
	S			27.8		-0.8			3.9	3.6
	SG			34.6		0.2				
	PV			16 10 58.8		0.7	2.79	301		
	SN			11 03.3						
DNE	IPV			16 10 58.8		0.7	2.79	301		
	SN			11 03.3						
CRZ	PV			16 11 24		0.3	4.69	306		

DEC 12	H	M	S	38.11S	177.02E	63 KM	SE	0.1	AVG MAG	69/ 805
	23	38	57.1	0.00	0.00	1				
			0.1							
TUA	P			23 39 12.0		-0.1	0.70	171		
	S			23.3		0.0			4.2	4.1
GNZ	IPV			23 39 15.1	U	0.0	0.95	124		
	S			28.6		0.0			4.0	3.8
	IPV			23 39 18.3	U	0.1	1.18	279		
	S			34.0		-0.0			3.6	3.3
KRP	IPV			23 39 47.3		0.0	1.45	186		
	S			23 39 23.6		0.0	1.58	226		
TRZ	I			23 39 47.3		0.0			4.0	4.2
CNZ	P			23 39 50.3					3.5	3.6

DEC 13	H	M	S	38.15S	176.25E	12 KM	SE	ND	AVG MAG	69/ 806
	09	26	31.8							
KRP	ES			09 26 50.8		-0.9	0.61	292		
	FELT ROTORUA (33) 4M IV									

DEC 13	H	M	S	46.10S	166.14E	12 KM	SE	0.7	AVG MAG	69/ 807
	14	31	17.9	0.02	0.02					
			0.5							
MV4	P			14 31 37.3		0.1	1.06	73		
	IPV			38.2		1.0				
	PG			39.2		-0.3				
	PV			14 31 49		-0.3	1.89	41		
	PA			51.2		-0.1			4.7	4.7
	PG			57		0.9				
	SN			32 12		-0.4				
	SS			21.5		-0.1				
WPZ	PV			14 31 50.3		0.3	1.94	108		
	PA			53.0		0.8			4.5	4.6
	PG			57		-0.2				
	SN			32 13.5		-0.1				
	S			17.7		-0.2				
	SG			24		0.6				
	PV			14 31 55		1.2	2.30	75		
	PA			56.8		-1.4			4.5	4.6

		H	M	S			DIR	RES	DIST	AZ	W-A	W P	W S
	PG	32	03	5									
	S*		27										
	I		31	7									
	ISG		35	7									
DMZ								3.49	75				
MJZ	PN	14	32	14				3.71	57		4.6	4.7	
	P*			21.8							4.3	4.2	
	PG			30.1									
	SN			57.2									
	S*	33	12	2									
	SG			19.3									
	I			32.0									
GPZ								5.19	65		4.8		
UEQ 13	H M S	16	36	08.0	45.84S	165.20E	12 KM	SE	0.9		AVG MAG	69/ 810	
				+ 0.9	0.07	0.03					4.2		
							DIR	RES	DIST	AZ	W-A	W P	W S
MNW	PN	15	35	41.2				0.6	1.98	59			
	P*			43.3				0.4			4.4	4.0	
	E			52.3									
	SN	37	02					-2.6*					
	S*			09.3				0.2					
	SG			15.5				0.7					
MSZ	PN	15	36	53				-0.0	2.88	42		3.7	3.8
	P*			58.7				0.3					
	SN	37	26	8				-0.1					
	E			41.1									
ROX	P*	16	37	04				0.7	3.17	56		4.2	4.8
	SN			33.5				-0.0					
	S*			44				-0.8					
MJZ	P*	15	37	27				-2.0	4.67	54		3.7	
UEQ 14	H M S	07	39	33.4	45.06S	167.63E	81 KM	SE	0.7		AVG MAG	69/ 811	
				+ 1.2	0.03	0.04					3.9		
							DIR	RES	DIST	AZ	W-A	W P	W S
MSZ	IP	07	39	46.7				-0.4	0.44	28			
	S			57.7				0.2					
MNW	IP	07	39	50.2				0.4	0.72	181		3.8	3.8
	S			40				-0.2					
ROX	S	07	40	15.5				-0.0	1.26	110		4.0	
UEQ 14	H M S	11	04	32.6	45.19S	166.05E	12 KM	SE	0.6		AVG MAG	69/ 812	
				+ 0.5	0.03	0.02					3.9		
							DIR	RES	DIST	AZ	W-A	W P	W S
MNW	P*	11	04	53				-0.6	1.17	70			
	PN			53.9				-0.5					
	PG			55.8				-0.4					
	S*	05	09					-0.3					
	SG			11.9				-0.1					
	I			17.5									
	I			22.5									
MSZ	EPN	11	05	25				-0.5	2.01	42		3.9	
	PG			13				-0.2					
	SN			29.7				-0.2					
	S*			35.3				0.8					
	I			43.5									
ROX	P*	11	05	14.9				0.3	2.39	74		4.1	4.0
	S*			47.2				1.0					
MJZ	PN	11	05	31				0.8	3.82	56		3.8	3.6
	P*			40				0.9					
	PG			50				0.1					
	SN	06	14					0.0					
	S*			28.5				-0.6					
	SG			41				-0.4					

		H	M	S			DIR	RES	DIST	AZ	W-A	W P	W S
UEQ 14	H M S	17	22	13.5	41.79S	171.74E	12 KM	SE	1.2		AVG MAG	69/ 811	
				+ 0.4	0.02	0.02					3.8		
							DIR	RES	DIST	AZ	W-A	W P	W S
KAI	P*	17	22	28				-0.1	0.79	198		3.9	
	PG			29.2				-0.4					
	S*			38.0				-0.9					
	SN			41.3				-1.8					
	I			44.0									
COB	IP*	17	22	32.5				0.5	1.01	48		4.1	
	IS*			45.5				-0.2					
GPZ	PN	17	22	48				1.2	2.03	161		3.6	
	P*			50				0.6					
	SN			23				0.4					
	S*			17.2				1.0					
	SG			22.3				0.2					
MEL	E	17	23	06					2.32	79		4.2	3.9
	S*			24.5				-0.5					
MJZ	PN	17	22	52				0.1	2.40	203		3.6	3.6
	P*			54.5				-1.2					
	S*			23				-3.5*					
	I			37									
MNG	PN	17	23	02.4				1.7	3.05	69		3.9	3.8
	P*			08				1.2					
	PG			14				-1.2					
	SN			38				1.8					
	S*			46				-0.8					
	I			50									
	SG			54				-2.3					
MSZ	PN	17	23	14				0.1	4.02	223		3.7	3.6
	SN			24				1.2					
	S*			14.5				-1.6					
	SG			30				0.8					
KRP	EPN	17	23	25				0.2	4.83	38		3.8	
UEQ 15	H M S	09	21	54.5	37.03S	177.53E	254 KM	SE	0.1		AVG MAG	69/ 812	
				+ 0.2	0.01	0.01					4.0		
							DIR	RES	DIST	AZ	W-A	W P	W S
GNZ	P	09	22	34.5				0.1	1.65	166		4.2	4.0
	S			23				-0.0					
KRP	P	09	22	36				-0.0	1.82	240		3.7	
MNG	P	09	22	58.0				-0.1	3.92	203		4.0	3.9
	S			23				0.0					
UEQ 15	H M S	12	23	08.8	41.33S	173.11E	141 KM	SE	1.2		AVG MAG	69/ 813	
				+ 1.6	0.10	0.06					3.8		
							DIR	RES	DIST	AZ	W-A	W P	W S
COB	P	12	23	30				1.3	0.37	310			
	S			43.7				-0.4					
MEL	IP	12	23	36.1				0.7	1.25	89		4.0	4.0
	IS			56.5				0.7					
KAI	S	12	24	04.7				-0.6	1.75	226		3.6	
MNG	IP	12	23	42.2				-0.7	1.93	69		3.9	3.6
	S			24				-1.0					
GPZ	E	12	24	19					2.39	188		3.9	
UEQ 15	H M S	15	41	23.9	40.78S	174.20E	121 KM	SE	1.9		AVG MAG	69/ 814	
				+ 0.5	0.03	0.04					4.7		
							DIR	RES	DIST	AZ	W-A	W P	W S
MEL	IP	15	41	45.8				2.5	0.66	140		4.4	4.9
	S			57.5				-0.8					
MNG	IP	15	41	48.3				1.9	0.98	81			
COB	IP	15	41	49.3				1.3	1.16	254			
	TNZ								1.59	5		5.2	

STATION	P	S	MAG	DIR	RES	DIST	AZ	W-A	W P	W S
TRZ	15 42 03,7	1,3	2,35	59						
KAI	15 42 31	-0,5	2,73	229	4,6	4,6				
TJA	15 42 39,6	-1,1	3,00	50						
KRP	15 42 44,8	-0,1	3,03	20						
GPZ	15 42 48,5	0,9	3,14	201	5,1					
GNZ	15 42 47,3	-2,7	3,63	55						
HJZ	15 42 43,0	0,0	4,24	220	4,2	4,3				
GBZ	15 42 43,0	2,8	4,66	13						
OME	15 43 34	-1,6	4,99	1	4,7	4,3				
CRZ	15 44 08,3	1,8	6,45	349						
MNW	15 43 04,8	-0,9	6,93	222						
CIZ	15 43 44	-2,0	7,54	118						
	15 43 15	2,6								
	15 43 35,3	-1,2								
FELT BOTH SIDES OF COOK STRAIT MM IV										
REQ 16	02 50 12,6	41,94S	171,99E	12 KM	SE	0,9	AVG MAG	69/811		
	02 50 0,3	0,02	0,02	3				4,1		
		4 4 S	DIR	RES	DIST	AZ	W-A	W P	W S	
KAI	02 50 25,0	-0,8	0,71	215	3,9					
	02 50 36,5	-0,3								
	02 50 42,5									
COB	02 50 31,5	0,2	1,03	35						
	02 50 32,0	-0,7								
	02 50 34,2	0,6								
	02 50 46,0	-1,3								
GPZ	02 50 43	-0,1	1,83	164	4,1					
	02 50 50,2	0,7								
	02 50 51,06	0,4								
HEL	02 50 53,0	1,6	2,21	74	4,0	4,4	4,1			
	02 50 51,20,0	-0,6								
HJZ	02 50 50	0,2	2,32	208	3,9	3,7				
	02 50 54,4	1,1								
	02 50 51,22,9	-1,0								
MNG	02 50 59,5	0,7	2,97	65	4,3	4,2				
	02 50 51,03,7	-0,7								
	02 50 07,3									
	02 50 43	-0,4								
	02 50 51,8	-0,9								
KRP	02 51 24	-0,3	4,87	36	4,0	3,1				
	02 51 21	1,9								
REQ 16	08 19 10,7	45,35S	165,91E	12 KM	SE	1,2	AVG MAG	69/811		
	08 19 0,9	0,06	0,04	3				4,6		
		4 4 S	DIR	RES	DIST	AZ	W-A	W P	W S	
MNW	08 19 32,2	-0,5	1,22	102	4,8	4,5				
	08 19 33,0	-0,3								
	08 19 36,2	0,7								
MSZ	08 19 37	-2,2	1,67	59	4,5					
	08 19 40,3	-0,1								
ROX	08 19 49,5	0,5	2,40	90	4,5	4,4				
	08 19 58	-1,3								
	08 19 20 18,0	0,4								
	08 19 25,4	0,9								
	08 19 30,9	-0,8								
HJZ	08 20 07	1,6	3,40	66						
	08 20 14	0,6								

LOCAL EARTHQUAKES

STATION	P	S	MAG	DIR	RES	DIST	AZ	W-A	W P	W S
	24	0,5								
	21 02,3	1,7								
	10,5	-1,6								
GPZ	08 20 48,5		5,15	71	4,6					
	4 4 S									
REQ 16	11 45 26,5	40,29S	174,29E	12 KM	SE	1,3	AVG MAG	69/817		
	11 45 0,6	0,03	0,03	3				3,8		
		4 4 S	DIR	RES	DIST	AZ	W-A	W P	W S	
MNG	11 45 46,0	0,3								
	11 45 57,0	-0,1								
	11 45 46,00	0,8								
HEL	11 45 47,3	0,4	1,86	150	3,7	4,0	4,1			
	11 45 48,4	1,4								
	11 45 58,2	-1,7								
COB	11 45 55,7	0,0	1,43	236				3,7	3,9	
	11 45 45 14,7	0,0								
KRP	11 45 13	1,7	2,55	23						3,4
	11 45 43	-1,9								
REQ 17	01 01 42,5	38,74S	176,01E	102 KM	SE	0,6	AVG MAG	69/819		
	01 01 0,4	0,02	0,02	3				4,5		
		4 4 S	DIR	RES	DIST	AZ	W-A	W P	W S	
MNZ	01 02 00,2	0,8								4,3
GNZ	01 02 09,2	0,2								4,4
	01 02 12,4									
	01 02 14,6									
TUA	01 02 02,2	-0,0	0,89	94				5,2	5,0	
	01 02 17,0	-0,2								
	01 02 19,5									
	01 02 31,0									
KRP	01 02 02,5	0,3	0,90	338				4,3	3,5	
	01 02 16,3	-0,5								
THZ	01 02 10,8	-0,4	1,35	250				4,7	4,0	
GNZ	01 02 14,3	-0,3	1,58	87				4,4	4,6	
MNG	01 02 18,4		1,92	192				4,7	4,6	
	01 02 34,7									
	01 02 44,0									
ECZ	01 02 19,3	0,2	2,25	63				5,1	4,7	
HEL	01 02 30,2	4,8	2,71	200	4,5	4,5	4,8			
	01 02 10,7									
	01 02 36	0,7	3,44	226				4,5	4,3	
	01 02 14,5	-0,8								
LARGE APPARENT CRYSTAL PHASES ON MNG, TUA, GNZ										
REQ 17	03 58 46,9	38,96S	176,09E	222 KM	SE	1,0	AVG MAG	69/819		
	03 58 0,7	0,04	0,04	5				4,6		
		4 4 S	DIR	RES	DIST	AZ	W-A	W P	W S	
GNZ	03 59 17,7	1,2	0,43	124						
	03 59 40,0	0,7								
THZ	03 59 19,9	0,1	1,89	19				4,4	3,9	
KRP	03 59 22,0							4,2	3,9	
	03 59 45,0	-0,2								
TUA	03 59 24	0,2	1,61	85				4,7	4,8	
	03 59 52	-0,4								
	03 59 34,3									
MNG	03 59 25,4	1,1	1,68	170						
	03 59 54,0	0,5								
GNZ	03 59 39,4	-0,2	2,31	83				4,7		
	03 59 55									
	04 00 02,5	-1,8								
HEL	03 59 31,5	0,7	2,34	186	4,8	4,5	4,8			
	04 00 04,7	-0,1								

DEQ 20	H	M	S	38,89S	178,33E	12 KM	SE	0,4	AVG MAG	69/ 828
	+	-	0,3	0,02	0,02	2	DIR	RES	DIST	AZ
	H	M	S	4	4	S	DIR	RES	DIST	AZ
GNZ	IP	12	05	25,0		D		0,4	0,34	315
TUA	P	12	05	28,9				-0,4	0,92	275
	PV			30,7				-0,5		
	S			39,0						
	S			42				0,2		
ECZ	PV	12	05	35				0,1	1,20	8
TRZ	P	12	05	36,5				-0,1	1,34	240
	SG			39,8				0,0		
	S			54,8				0,2		
KRP	P	12	05	57,5				3,0*	2,39	293
MNG	MIN	12	05	10,2					2,79	231
				17,5						
DEQ 20	H	M	S	38,60S	177,91E	33 KM	SE	1,5	AVG MAG	69/ 821
	+	-	0,7	0,07	0,07	2	DIR <td>RES <td>DIST <td>AZ</td> </td></td>	RES <td>DIST <td>AZ</td> </td>	DIST <td>AZ</td>	AZ
	H	M	S	4	4	S	DIR <td>RES <td>DIST <td>AZ</td> </td></td>	RES <td>DIST <td>AZ</td> </td>	DIST <td>AZ</td>	AZ
GNZ	IP	12	05	25,0		D		1,6	0,10	115
TUA	P	12	05	29,0		75		-0,7	0,63	250
	PV			30,0				-0,4		
	SV			39,0				0,7		
ECZ	PV	12	05	35				-0,3	1,04	29
TRZ	EPV	12	05	36,5				-2,0	1,27	221
	P			39,8				-1,3		
	SV			55,8				1,8		
KRP	PV	12	05	49				0,7	1,98	289
DEQ 20	H	M	S	37,48S	177,64E	12 KM	SE	0,8	AVG MAG	69/ 831
	+	-	0,5	0,02	0,02	2	DIR <td>RES <td>DIST <td>AZ </td></td></td>	RES <td>DIST <td>AZ </td></td>	DIST <td>AZ </td>	AZ
	H	M	S	4	4	S	DIR <td>RES <td>DIST <td>AZ </td></td></td>	RES <td>DIST <td>AZ </td></td>	DIST <td>AZ </td>	AZ
ECZ	P	17	00	26,0				-0,1	0,75	107
	SG			27,3				-0,2		
	PV			28,5				-0,2		
	SG			38,0				0,2		
	I			48,8						
GNZ	IP	17	00	33,3		U		-0,5	1,20	165
	I			38,0						
	S			49,3				-0,5		
	SG			54,2				1,4		
TUA	I	17	00	01 56,4						
	ES			38					1,38	196
KRP	ES	17	00	58,1				-0,8		
	ES			43,4				0,7	1,72	254
DEQ 21	H	M	S	37,75S	179,80W	12 KM	SE	1,0	AVG MAG	69/ 831
	+	-	0,9	0,05	0,04	2	DIR <td>RES <td>DIST <td>AZ </td></td></td>	RES <td>DIST <td>AZ </td></td>	DIST <td>AZ </td>	AZ
	H	M	S	4	4	S	DIR <td>RES <td>DIST <td>AZ </td></td></td>	RES <td>DIST <td>AZ </td></td>	DIST <td>AZ </td>	AZ
ECZ	PV	04	13	29,0				-0,3	1,31	270
	SV			46,3				-1,2		
	SG			49,8				-1,1		
GNZ	PV	04	13	38,9				1,1	1,96	241
	SV			47,8						
	SG			14 03,5				1,9		
	PV			11,3				-0,3		
TUA	PV	04	13	47,0				-0,3	2,64	244
	SV			14 18,7				-0,0		
	S			26,2				-0,4		
TRZ	ESV	04	14	33,6				1,1	3,23	234
MNG	ESV	04	14	14				-0,8	4,68	230
	ESV			15 06				-1,7		

DEQ 21	H	M	S	43,51S	170,81E	12 KM	SE	1,9	AVG MAG	69/ 832
	+	-	0,6	1,04	0,03	2	DIR <td>RES <td>DIST <td>AZ </td></td></td>	RES <td>DIST <td>AZ </td></td>	DIST <td>AZ </td>	AZ
	H <td>M <td>S <td>4</td> <td>4</td> <td>S</td> <td>DIR <td>RES <td>DIST <td>AZ </td></td></td></td></td></td>	M <td>S <td>4</td> <td>4</td> <td>S</td> <td>DIR <td>RES <td>DIST <td>AZ </td></td></td></td></td>	S <td>4</td> <td>4</td> <td>S</td> <td>DIR <td>RES <td>DIST <td>AZ </td></td></td></td>	4	4	S	DIR <td>RES <td>DIST <td>AZ </td></td></td>	RES <td>DIST <td>AZ </td></td>	DIST <td>AZ </td>	AZ
KIZ	P	05	13	12,5		USW		-2,1	0,46	213
	S			18,4				-2,7		
	SV			19,1				-2,4		
KAI	S	05	13	20				-0,7	1,16	22
	S			45				0,6		
SPZ	SV	05	13	51				0,2	1,33	95
ROK	SV	05	14	09,0				2,4	2,15	209
	S			13,0				0,9		
	SV			21,0				2,7		
MSZ	S	05	13	45,2					2,34	242
	SV			14 12,2				1,1		
	S			17,8				0,1		
COB	EPV	05	13	50,7				-0,2	2,89	30
DEQ 21	H	M	S	41,80S	172,30E	12 KM	SE	ND	AVG MAG	69/ 833
	+	-	0,2	40,2	40,2	2	DIR <td>RES <td>DIST <td>AZ </td></td></td>	RES <td>DIST <td>AZ </td></td>	DIST <td>AZ </td>	AZ
	H	M	S	4	4	S	DIR <td>RES <td>DIST <td>AZ </td></td></td>	RES <td>DIST <td>AZ </td></td>	DIST <td>AZ </td>	AZ
COB	P	05	08	54,7				0,0*	0,78	25
	SG			56,2				0,0*		
	E			55,3						
	S			09 04,6				-0,8*		
KAI	SG	08	09	15,5				2,0*	0,98	222
	FELT			MURCHISON (80) MM IV						
DEQ 23	H	M	S	39,30S	175,25E	81 KM	SE	0,4	AVG MAG	69/ 834
	+	-	0,3	0,01	0,08	5	DIR <td>RES <td>DIST <td>AZ </td></td></td>	RES <td>DIST <td>AZ </td></td>	DIST <td>AZ </td>	AZ
	H	M	S	4	4	S	DIR <td>RES <td>DIST <td>AZ </td></td></td>	RES <td>DIST <td>AZ </td></td>	DIST <td>AZ </td>	AZ
GNZ	EP	13	48	30,3				-0,4	0,25	66
	IS			40,2				0,0		
TNZ	P	13	48	41,9				-0,1	0,69	279
MNG	I			42,9					1,33	172
	S			49 00,0				0,3		
KRP	P	13	48	42,6				-0,2	1,39	9
	S			49 01,5				0,3		
HEA	ES	13	49	15				-0,0	2,02	190
DEQ 24	H	M	S	38,26S	179,32E	12 KM	SE	2,1	AVG MAG	69/ 835
	+	-	3,5	0,07	0,15	2	DIR <td>RES <td>DIST <td>AZ </td></td></td>	RES <td>DIST <td>AZ </td></td>	DIST <td>AZ </td>	AZ
	H	M	S	4	4	S	DIR <td>RES <td>DIST <td>AZ </td></td></td>	RES <td>DIST <td>AZ </td></td>	DIST <td>AZ </td>	AZ
ECZ	P	09	45	14,7		U		0,9	0,83	313
	S			24,0				-1,1		
GNZ	ES	09	45	22				1,5	1,09	249
	SG			36				0,7		
MNG	ESV	09	45	37				-2,0	3,79	230
DEQ 24	H	M	S	37,77S	176,35E	235 KM	SE	0,6	AVG MAG	69/ 836
	+	-	0,7	0,04	0,03	4	DIR <td>RES <td>DIST <td>AZ </td></td></td>	RES <td>DIST <td>AZ </td></td>	DIST <td>AZ </td>	AZ
	H	M	S	4	4	S	DIR <td>RES <td>DIST <td>AZ </td></td></td>	RES <td>DIST <td>AZ </td></td>	DIST <td>AZ </td>	AZ
KRP	P	11	44	09,9				1,2	0,66	257
	ES			34,2				-0,1		
TUA	P	11	44	12,3				-0,0	1,21	149
	S			40,2				0,4		
GNZ	IP	11	44	15,0		U		1,3	1,58	124
	S			44,3				-0,4		
ECZ	P	11	44	10,7				-0,4	1,74	88
	S			47,0				-0,2		
TRZ	EP	11	44	19,0				1,3	1,31	168
	S			53,2				4,8*		

		S*	40.0	0.3						
		SG	42.1	-0.6						
		SV	22 42 26.5	0.4	3.14	64				
	H M S									
DEC 26	23 05 28.9	39.21S	177.16E	12 KM	SE	1.3	AVG MAG	69/ 847	3.3	
	+ 0.5	0.03	0.03	R						
	H M S	DIR	RES	DIST	AZ		M-A	W P	W S	
TUA	P*	23 05 36.2	-0.7	0.40	359					
	SG	44.7	1.7							
TRZ	P*	23 05 36.8	-0.5	0.43	217					
	PG	38.3	0.7							
	SG	46.1	2.3							
	I	47.8								
	I	06 12.2								
GNZ	EP*	23 05 45.8	0.7	0.88	50					
	SN	06 00.0	-0.5							3.4
CNZ	PN	23 05 51.0	-0.9	1.25	270					4.1 3.9
	E	52.5								
	PG	54.3	0.0							
	SN	06 08.0	-0.9							
	S*	08.0	-0.1							
	SG	11.3	0.1							
	E	13.3								
MNG	PN	23 05 58	-2.5	1.91	222					3.3 3.3
	PG	06 08.0	0.5							
	E	17.5								
	H M S									
DEC 27	01 35 57.2	40.94S	174.50E	33 KM	SE	1.7	AVG MAG	69/ 847	4.1	
	+ 0.5	0.04	0.03	R						
	H M S	DIR	RES	DIST	AZ		M-A	W P	W S	
WEL	IP*	01 36 06.7	0.5	0.40	150		4.0			
	S*	14.0	1.4							
MNG	IP*	01 36 12.0	-0.9	0.81	67					4.1
	S*	23.3	-1.0							
COB	IPN	01 36 19.1	0.2	1.34	263					4.2
	SN	35.9	0.7							
TNZ	IP			1.76	357					3.9
CNZ	PN	01 36 28.2	1.4	1.92	25					4.2 4.2
	I	34.8								
	S*	54.5	-2.3							
	I	37 02.5								
TRZ	IP			2.25	53					4.2
KAI	SN	01 37 10.0	-0.6	2.80	235		4.3			
	I	15.6								
KRP	SN	01 37 20.8	2.5	3.12	15					3.8
MJZ	SN	01 37 44.2	-1.9	4.26	223					3.8
	S*	53.4	-13.7*							
FELT PARAPARAUMU BEACH (65) MM III										
	H M S									
DEC 27	19 12 00.4	38.71S	176.12E	122 KM	SE	1.3	AVG MAG	69/ 847	4.1	
	+ 0.6	0.03	0.03	R						
	H M S	DIR	RES	DIST	AZ		M-A	W P	W S	
WVZ	IP	19 12 21.6	1.7	0.66	351					4.9 4.4
CNZ	I	31.8								
	I	54.7								
TUA	IP	19 12 21.1	U	-0.0	0.81	98				4.8 5.1
	S	35.2	-1.8							
	I	47.8								
KRP	IP	19 12 22.3	DSE	0.4	0.90	329				4.8 4.3
	IS	37.1	-1.3							
TRZ	P	19 12 25.0	2.1	1.01	147					5.1 5.1
	S	42.0	1.9							
	I	49.0								
	I	13 27.4								

LOCAL EARTHQUAKES

				01.1						
					1.44	290				
TNZ	IP	19 12 28.7	DSE	0.3	1.49	58				
GNZ	IS	13 47.6	-1.9							
	I	13 10.3								
MNG	IP	19 12 34.8	U	0.8	1.97	194	4.6 4.8			
	S	59.3	-0.2							
ECZ	S	19 12 36.5		0.0	2.16	63	5.6 4.8			
	S	13 03.8	0.0							
WEL	P	19 12 44.3	-0.5		2.78	201	5.2 4.8			
	IS	13 18.1	-0.3							
ONE	E(P)	19 12 52.5	1.6		3.24	334	4.2			
COB	P	19 12 54.2	-0.5		3.93	227	4.8			
	S	13 36.8	0.7							
KAI	S	19 14 15.0	-2.3		5.23	222	5.1			
MJZ	EP	19 13 37.8	-0.8		6.78	217				
	S	14 50.1	-4.7*							
	S	19 15 14.8	-0.0		7.60	136				
CIZ	S	19 15 31.3	-6.5*		8.55	223				
MSZ	S	19 15 49			9.58	212				
WVZ	E									
FELT	HAUNGATANIWA (52)									
	H M S									
DEC 27	23 51 42.4	38.72S	176.14E	142 KM	SE	1.8	AVG MAG	69/ 847	4.5	
	+ 0.9	0.03	0.04	R						
	H M S	DIR	RES	DIST	AZ		M-A	W P	W S	
WVZ	IP	23 52 05.5		1.6	0.66	224	4.6			
CNZ	P	23 52 05.9		1.1	0.79	96	4.5 4.9			
TUA	E	19.3								
	S	20.0	-2.1							
KRP	P	23 52 06.0	0.1		0.93	329	3.9 3.7			
	S	21.8	-2.2							
TRZ	P	23 52 08.9	2.6		0.98	148	4.5 4.8			
	S	24.6	-0.2							
TNZ	IP	23 52 12.9	DE	1.5	1.45	251	4.4 3.9			
GNZ	S	31.8	-1.8		1.47	87	4.9 4.4			
	I	56.7								
MNG	IP	23 52 19.0	U	2.2	1.96	195	4.3 4.3			
	IS	43.2	-0.1							
	I	53 13.0								
ECZ	P	23 52 20.0	0.7		2.16	62	5.3 4.5			
	S	47.0	-5.5							
WEL	P	23 52 28.4	1.1		2.77	202	4.9 4.6 4.8			
	S	53 01.9	0.4							
COB	P	23 52 38.3	1.2		3.93	227	4.2 4.6			
	S	53 20.6	1.7							
KAI	ES	23 53 58.8	-0.6		5.23	222	5.0			
MJZ	S	23 54 34.2	-2.3		6.77	217				
CIZ	S	23 54 54.6	-1.3		7.58	136				
MSZ	ES	23 55 16.0	-3.3		8.55	223				
FELT	HAUNGATANIWA (52)									
	H M S									
DEC 28	01 23 19.0	41.11S	175.06E	33 KM	SE	0.9	AVG MAG	69/ 848	3.5	
	+ 0.6	0.04	0.04	R						
	H M S	DIR	RES	DIST	AZ		M-A	W P	W S	
WEL	IPN	01 23 22.7	0.1	0.28	231					3.0
	SN	29	0.9							
MNG	IPN	01 23 25.7	D	-0.5	0.59	33	3.6 3.3			
	ISN	34.1	-0.4							
COB	EPN	01 23 42	-0.3		1.76	270	3.7 3.7			
	ESN	24 02.4	-0.5							
CNZ	EP*	01 23 49	-0.6		1.95	11	3.6 3.7			
	SN	24 08.9	1.4							

WPZ	PN	20	20	05,3	0,5	2,19	118				
	P*			08,0	0,1				4,5	4,3	
	SN			30,8	-0,3						
RDX	PN	20	20	06,5	0,2	2,30	87				
MJZ	EPN	20	20	25	1,7	3,55	64		4,6	4,0	
	E			21,07						3,9	
	S*			17	-0,8						
GPZ	(S*)	20	22	05	1,0	5,09	70		4,6		
UEQ 31	H M S	06	46	21,4	42,155	172,44E	12 KM	SE	0,6	AVG MAG	69/ 859
	+ -			0,2	0,02	0,02	R				3,6
	H M S	06	46	42			DIR	RES	DIST	AZ	H-A
KAI	E			48,4					0,86	244	W P H B
	S*			48,4							3,4
COB	PN	06	46	41,7					1,08	12	
	SS			58,0							
GPZ	PN	06	45	48,5					1,55	175	3,3
	E			47,06,5							
WEL	PN	06	46	54,6					1,1	1,94	64
	SS			47,26,5					-0,5		3,7
MNS	PN	06	47	04					-0,7	2,75	57
	P*			09,6					0,0		3,9
	S*			45					-0,7		3,6
	SS			54,2					0,0		
CNZ	P*	06	47	23,8					1,7*	3,77	40
	E			49							3,9
				20							3,7
UEW 31	H M S	09	39	07,9	33,56S	178,55W	374 KM	SE	0,8	AVG MAG	69/ 843
	+ -			1,2	0,12	0,19	10				5,4
	H M S	10	00	26			DIR	RES	DIST	AZ	H-A
ECZ	EP			26					4,75	209	W P H B
	S			01,28							5,0
				0,3							4,8
KRP	EP	10	00	46					6,48	226	
TRZ	S	10	02	19,3					1,1	7,04	211
MNS	P	10	01	09,5					0,3	8,50	212
	S			02,45,0					0,2		
WEL	S	10	03	02,0					-1,1	9,36	213
COB	S	10	03	21,3					-0,2	10,22	220
GPZ	S	10	04	04,6					0,2	12,23	212

FELT EARTHQUAKES

THE FELT REPORTING SYSTEM

In addition to its instrumental network, the Observatory has organised a network of about 400 voluntary observers covering the country, who describe the effects of any earthquakes they feel on a standard form. The Observatory also receives many unsolicited reports from meteorological observers, radio and newspaper reporters, postmasters, and members of the general public. In the case of large earthquakes, or ones that present features of special interest, questionnaires are issued or the district visited.

Several difficulties arise in assessing the distribution of felt intensity. The population of the country is very unevenly distributed, and the observer's personal circumstances may prevent him from feeling a shock that has been noticed by others. Similar shortcomings affect lists of earthquakes felt at any one place. It may reasonably be assumed that a strong earthquake reported from one township was felt in another a few miles distant, even though the Observatory has received no report. However, an index of this kind must summarise the data and not the deductions, so the following scheme is used.

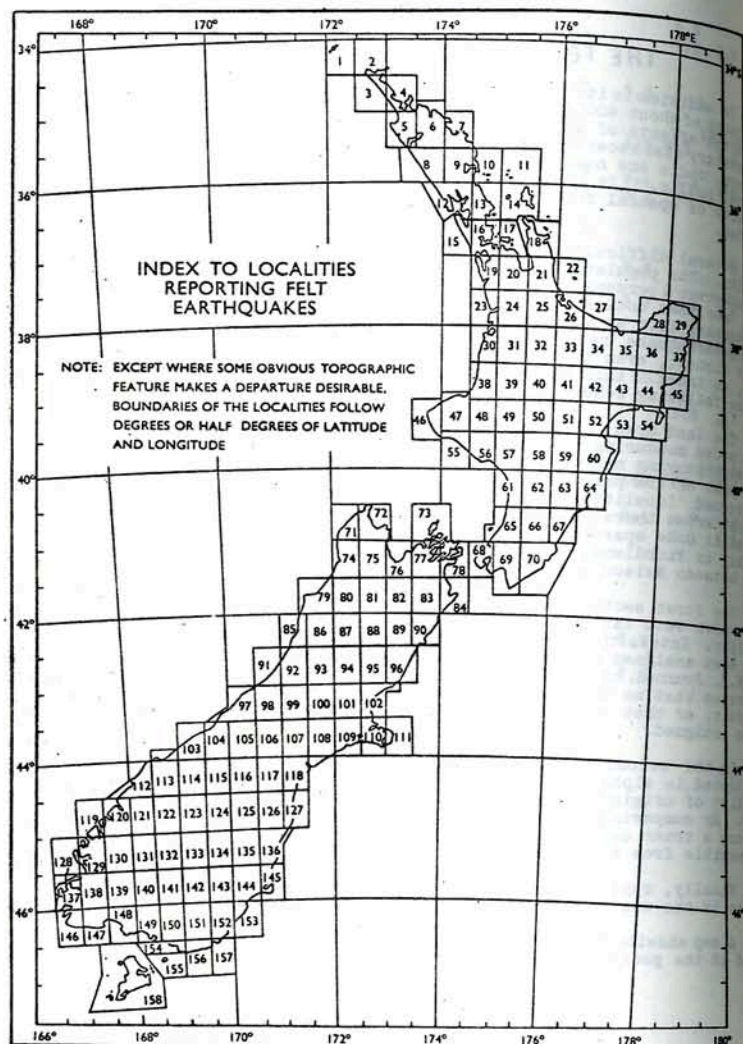
The land area of New Zealand has been divided into numbered rectangles, with sides measuring half a degree of latitude or longitude, as shown on the accompanying map. Each rectangle is given a number and a name, usually that of the principal centre of population within it. These areas are termed 'localities', and the names are listed on the following pages. In most areas there are at least two well-separated reporters, but there are still some sparsely populated parts of the country without observers, notably in Fiordland, the mountainous parts of Southland, and on the boundary between Nelson and Marlborough.

The first section of the index gives the names of the actual places from which each earthquake was reported, together with the number of the locality. Intensities on the Modified Mercalli scale (N.Z. version, 1965) have been assigned at the Observatory. This intensity scale is set out in the N.Z. Journal of Geology and Geophysics, Vol. 9, pp. 122-9, 1966. A ? indicates that no information is available beyond the fact that the shock was felt, or that the description is too imprecise to allow an intensity to be assigned.

In the second section, localities reporting shocks during the year are listed in alphabetical order, followed by the number of the shock in the list of origins and the maximum intensity reported within that locality. By comparing the reports in neighbouring localities, it is possible to form a truer estimate of the incidence of felt earthquakes than would be possible from a simple list of places reporting each shock.

Finally, reported shocks that cannot be confirmed, and reports from places in the south-west Pacific not collected elsewhere are listed.

A map showing the isoseismal patterns of two deep earthquakes will be found in the pocket in the back cover.



STANDARD REPORTING LOCALITIES

1	Three Kings	54	Mahia	107	Mt. Somers
2	Te Reinga	55	Hawera	108	Ashburton
3	Ninety Mile Beach	56	Waverley	109	Rakaia
4	Doubtless Bay	57	Wanganui	110	Christchurch
5	Kaitaia	58	Taihape	111	Akaroa
6	Kaikohe	59	Ruanine	112	Big Bay
7	Bay of Islands	60	Hastings	113	Jackson's Bay
8	Dargaville	61	Bulls	114	Makaroa
9	Whangarei	62	Palmerston North	115	Lake Ohau
10	Bream Head	63	Daneverke	116	Pukaki
11	Moko Hinau	64	Porangahau	117	Fairlie
12	Kaipara	65	Otaki	118	Timaru
13	Warkworth	66	Masterton	119	George Sound
14	Barrier Islands	67	Castlepoint	120	Milford
15	Helensville	68	Wellington	121	Glenorchy
16	Waikeke	69	Featherston	122	Arrowtown
17	Coromandel	70	Martinborough	123	Wanaka
18	Pukekohe	71	Mt. Stevens	124	St. Bathans
19	Mercer	72	Takaka	125	Kurow
20	Thames	73	D'Urville Is.	126	Duntroon
21	Mayor Is.	74	Karamea	127	Waimate
22	Baglan	75	Motueka	128	Secretary Is.
23	Hamilton	76	Nelson	129	Doubtful Sound
24	Matamata	77	Blenheim	130	Te Anau
25	Tauranga	78	Picton	131	Livingstone Mts.
26	Whakatane	79	Westport	132	Kingston
27	Te Kaha	80	Murchison	133	Alexandra
28	East Cape	81	Glenhope	134	Poolburn
29	Kawhia	82	Wairau	135	Ranfurlly
30	Te Kuiti	83	Awatere	136	Oamaru
31	Tokoroa	84	Cape Campbell	137	Resolution Is.
32	Rotorua	85	Greymouth	138	Pillar's Pass
33	Murupara	86	Reefton	139	Monowai
34	Opotiki	87	Maruia	140	Mossburn
35	Motu	88	Hammer	141	Waikaia
36	Tolaga Bay	89	Clarence	142	Roxburgh
37	Mokau	90	Kaikoura	143	Lawrence
38	Taumarunui	91	Hokitika	144	Outram
39	Tokaanu	92	Kumara	145	Dunedin
40	Taupo	93	Arthur's Pass	146	Puysegur Pt.
41	Te Whaiti	94	Lake Sumner	147	Poteretere
42	Tuahi	95	Culverden	148	Tuatapere
43	Whakapunaki	96	Cheviot	149	Invercargill
44	Gisborne	97	Franz Josef	150	Gore
45	Cape Egmont	98	Hari Hari	151	Clinton
46	New Plymouth	99	Whitcombe Pass	152	Balclutha
47	Whangamomona	100	Lake Coleridge	153	Waihola
48	Ohakune	101	Oxford	154	Bluff
49	Chateau	102	Rangiora	155	Ruapuke
50	Ewaka	103	Haast	156	Tahakopa
51	Napier	104	Bruce Bay	157	Owaka
52	Wairoa	105	Mt. Cook	158	Stewart Is.
53		106	Tekapo	159	Chatham Is.

PLACES REPORTING FELT EARTHQUAKES

69/001	Jan	01d slight	09h 16m Tahunanui (76).
69/003	Jan	01d MM5 MM2	14h 08m Mt Vernon, Waipawa (60); Waiwhare (51).
69/008	Jan	02d MM5 MM4 MM3 fairly severe sharp slight ?	10h 25m (see Map 3) Gebbston, Queenstown (132); Matakau (134); Manapouri (139); Heriot (142); Laurence (143); Mt Aspiring Station (113); Earnslaw (121); Waihaorunga (126); Gilligans Gully (133); Lauder (134); Oamaru (136); Manapouri (139); Otama (141); Roxburgh (142); Gummies Bush (149); Balclutha, Nugget Point (152); Lakeside Farm (153); Awarua, Dog I., Waimahaka (154); Hazelburn (117); Middlemarch (144); Arthur's Pt (122); Miller's Flat (142); Glenorchy (121); Waitahuna (143); Luggate (123); Te Anau (130); Matakau (134); Dunrobin (140); Roxburgh East (142); Centre I. (148); Owaka (152).
69/013	Jan	04d MM4 sharp ?	16h 48m Mangles Valley, Murchison (80); Raparhoe (85); Westport (79); Hokitika (91).
69/014	Jan	04d MM4 slight	19h 26m Murchison (80); Paenga (80).
69/016	Jan	05d ?	19h 50m Westport (79).
69/020	Jan	09d MM4	06h 24m Warea (46).
69/021	Jan	09d MM4 MM3	06h 55m Uruti (38); Warea (46); New Plymouth, Tarata (47); Dawson's Falls, Stratford (47); Hawera (55).
69/024	Jan	10d MM4 ?	06h 57m Westport (79); Murchison (80); Raparhoe (85).
69/031	Jan	12d MM5 MM4 MM3 ?	13h 15m Masterton (66); Dannevirke (63); Marangai (67); Karori, Kel- burn, Lower Hutt, Porirua, Wellington, York Bay (68); Hikawera, Ponatahi (70); Wanganui (67); Hokio Beach (65).
69/032	Jan	13d severe	08h 46m Maungataniwha (52).

69/033	Jan	13d ?	12h 40m Ohau (65).
69/036	Jan	16d MM4	01h 29m Oruanui (41).
69/039	Jan	19d MM3	12h 44m Pa Valley (66).
69/049	Jan	25d MM4 MM3	08h 18m Dannevirke (63); Tataramoa (63).
69/055	Jan	28 MM4	17h 40m Westport (79); Murchison (80).
69/064	Feb	01d MM4	05h 38m Mahetu (26).
69/065	Feb	01d MM4	09h 23m Mahetu (26).
69/066	Feb	01d MM4	17h 48m Taupo, Wairakei (41).
69/067	Feb	01d MM4	17h 48m Taupo, Wairakei (41).
69/068	Feb	01d MM4	17h 51m Taupo, Wairakei (41).
69/069	Feb	01d MM4	17h 52m Taupo, Wairakei (41).
69/070	Feb	01d MM4	17h 53m Taupo, Wairakei (41).
69/071	Feb	01d MM4	17h 54m Taupo, Wairakei (41).
69/072	Feb	01d MM4	18h 13m Taupo, Wairakei (41).
69/077	Feb	02d ?	14h 57m Whangamomona (48).
69/089	Feb	07d MM5 MM4	13h 37m Blackstone Hill (124); Matakau (134); Otiake (125); Lauder (134).
69/090	Feb	07d MM4	14h 35m Blackstone Hill (124).
69/092	Feb	10d MM4 MM3 ?	04h 58m Paraparau Beach (65); Oriental Bay (68); Wilton (68); Moutoa (65).
69/102	Feb	12d MM2 sharp slight	21h 03m Invercargill (149); Centre I. (148); Orepuki (148).
69/110	Feb	16d MM4	15h 57m Arowhenua (118).
69/119	Feb	21d moderate	22h 27m Westport (79).

69/120	Feb	22d	03h 38m	Westport (79).
		MM5		
69/121	Feb	23d	11h 57m	Kotemaori (53);
		MM5		Ngakaroa (44); Gisborne (45); Portland I.
		MM4		(54);
		severe		Maungataniwha (52);
		?		Waihua Valley (53).
69/122	Feb	23d	14h 07m	Kotemaori, Wairoa (53);
		MM4		Maungataniwha (52).
		severe		
69/123	Feb	23d	23h 34m	Wairoa (53);
		MM4		Maungataniwha (52).
		severe		
69/124	Feb	24d	00h 28m	Blenheim (83).
		slight		
69/128	Feb	25d	03h 51m	Ngakaroa (44);
		MM2		Maungataniwha (52).
		moderate		
69/132	Feb	27d	09h 00m	Kawerau (34).
		?		
69/143	Mar	07d	04h 13m	Queenstown (132).
		MM5		
69/156	Mar	11d	07h 46m	Napier (52).
		MM4		
69/157	Mar	11d	17h 48m	Collingwood, Takaka (72);
		MM5		Tadmor (75);
		MM4		Harakeke, Nelson (76);
		MM2		Paturau R. (71); Tarakohe (72); Westport (75).
		?		
69/162	Mar	13d	00h 58m	Maungataniwha (52).
		?		
69/168	Mar	17d	15h 39m	Maketu (26).
		MM4		
69/170	Mar	20d	06h 30m	Nightcaps (140);
		MM3		Manapouri (139).
		?		
69/173	Mar	22d	19h 29m	Moawhango (58).
		MM4		
69/177	Mar	24d	02h 32m	Rotomahana (33).
		sharp		
69/178	Mar	24d	09h 18m	Maungataniwha (52).
		?		
69/180	Mar	25d	10h 57m	Erewhon (98).
		MM5		
69/181	Mar	25d	18h 50m	Wellington (68);
		MM4		York Bay (68).
		MM3		

69/182	Mar	26d	17h 52m	Waiwhare (51); Waipawa (60); Porangahau,
		MM5		Totokai (64);
		MM4		Huntermville, Table Flat (58); Dannevirke,
		MM3		Tataramoa (63);
		?		Pa Valley (66);
		?		Maungataniwha (52).
69/196	Apr	08d	06h 49m	Lake Okataina (33).
		MM4		
69/197	Apr	08d	09h 45m	Lake Okataina (33).
		MM4		
69/198	Apr	08d	09h 59m	Lake Okataina (33).
		MM4		
69/199	Apr	08d	14h 34m	Lake Okataina (33).
		quite big		
69/203	Apr	11d	20h 20m	Westport (79);
		MM4		Westport (79).
		?		
69/204	Apr	12d	20h 47m	Tokomaru Bay (37).
		MM5		
69/206	Apr	14d	07h 44m	Auckland (16).
		MM4		
69/207	Apr	15d	10h 08m	Paraparaumu Beach (65); Belmont, Karori, New-
		MM4		town, Ohiro Bay, Tawa, Titahi Bay, Wainui-o-
		MM3		mata, Wellington (68); Rai Valley (77);
		?		Brothers Lighthouse, Manaroa, Ocean Bay (78);
		?		Lower Hutt (68).
69/208	Apr	17d	02h 22m	Te Anau Downs (130); Nighteaps (140); Awarua
		MM4		(154);
		slight		Manapouri (139);
		?		Centre I. (148).
69/209	Apr	17d	20h 12m	Wairoa (53).
		MM4		
69/212	Apr	18d	19h 17m	Blenheim (83);
		MM4		Seddon (84).
		sharp		
69/215	Apr	21d	00h 42m	Westport (79).
		MM4		
69/219	Apr	25d	18h 10m	Dannevirke (63).
		MM4		
69/223	Apr	30d	05h 37m	Mt Aspiring Station, Jackson's Bay (113);
		MM4		Haast (103).
		?		
69/235	May	07d	22h 41m	Motuocapa (40);
		MM5		Tokaanu (40);
		MM4		Hautu Prison (50).
		?		
69/236	May	07d	22h 54m	Hautu Prison (50).
		?		

69/237	May	08d MM4 ?	00h 04m Motuoapa, Tokaanu (40); Hautu Prison (50).
69/238	May	08d MM2	00h 26m Motuoapa (40).
69/239	May	08d MM3	01h 21m Motuoapa (40).
69/240	May	08d MM4	03h 35m Motuoapa (40).
69/241	May	08d MM4	04h 28m Motuoapa (40).
69/242	May	08d MM4	04h 44m Motuoapa (40).
69/243	May	08d MM4	06h 06m Motuoapa (40).
69/244	May	08d MM4	06h 17m Motuoapa (40).
69/245	May	08d MM4	07h 16m Motuoapa (40).
69/247	May	08d slight	16h 52m Manapouri (139).
69/249	May	09d MM4	01h 35m Murchison (80).
69/255	May	12d MM4 slight ?	21h 58m Tuatapere (148); Invercargill (149); Lilburn Valley (148); Centre I., Orepuki (148).
69/256	May	13d MM5	14h 07m Murchison (80).
69/257	May	14d MM4	09h 15m Western Hutt Hills (68).
69/288	May	23d MM5 MM4 MM3 severe sharp light ?	14h 29m (see Map 3) Dawson's Falls, Tarata (47); Omana, Purangi (48); Patoka (52); Kotemaori (53); Makakahi, Waitotara (56); Ohakune (57); Hihitahi, Hunterville (58); Mt Vernon (60); Tataraoa (63); Paraparaumu (65); Karori (68); Collingwood (72); Opotiki (35); Stratford (47); Ohakune (49); Waiwhare (51); Wairoa (53); Hawera (55); Waitahinga (56); Okoia, Wanganui (57); Tiki- kino (59); Waipawa (60); Palmerston North (62); Dannevirke (63); Eketahuna (66); Iori Bay (68); Table Flat (58); Tinakori Hill (68); Maungataniwha (52); Orautoha (49); Tareha (52); Ohakea (61); Oratia (16); New Plymouth (47); Whangamomona (48); Raurimu (49); Kaipare (57); Te Para Para (58); Lake Alice, Otaki (65); Purunui (66); Kelburn (68).

69/304	May	29d MM4	08h 07m Wellington (68).
69/310	May	30d MM5	22h 13m Murchison (80).
69/314	Jun	03d MM4 MM3 ?	06h 21m Murchison (80); Harakeke, Nelson (76); Inangahua, Westport (79); Reefton (86).
69/315	Jun	03d ?	13h 27m Nelson (76); Inangahua, Westport (79);
69/323	Jun	09d MM4	16h 53m Dannevirke (63).
69/324	Jun	10d ?	18h 27m Westport (79).
69/325	Jun	11d MM4	01h 05m Te Kopi (70).
69/326	Jun	11d MM4 MM3 sharp ?	10h 31m Waiwhare (51); Patoka (52); Table Flat (58); Taradale (60); Mt Vernon (60); Maungataniwha (52); Napier (52).
69/328	Jun	12d MM4 MM2	02h 39m Ohakune (57); Uruti (38).
69/331	Jun	14d sharp ?	03h 18m Whangamomona (48); Maungataniwha (52).
69/332	Jun	14d ?	04h 08m Maungataniwha (52).
69/339	Jun	19d MM4	19h 10m Murchison.
69/340	Jun	20d MM4	05h 35m Mangahao (62).
69/341	Jun	20d MM3 ?	05h 54m Waiwhare (51); Maungataniwha (52).
69/342	Jun	20d MM5 MM4 MM3 MM2-3	20h 52m Cape Runaway (29); Totaranui (37); Whakatane (27); Omaio (28); Gisborne (45).
69/344	Jun	22d MM4	08h 51m Murchison (80).
69/348	Jun	24d MM4	21h 34m Murchison (80).
69/350	Jun	25d MM4	02h 59m Murchison (80).
69/369	Jul	06d severe	07h 15m Maungataniwha (52).

69/424	Jul	18d MM3	08h 12m Dannevirke (63).
69/429	Jul	20d MM4	11h 25m Tolaga Bay (37).
69/432	Jul	21d MM4 ?	15h 27m Dannevirke (63); Maungataniwha (52).
69/448	Jul	31d MM4	10h 06m Waiwhare (51).
69/449	Jul	31d MM3	10h 13m Rotokai (64).
69/455	Aug	03d MM4 sharp ?	00h 49m Uruti (38); Tupuwae (39); Piopio (30); Purangi (48); Glenochy (38).
69/460	Aug	06d MM4	02h 45m Tadmor (75).
69/468	Aug	15d MM4 MM3 light	02h 37m Cobb River (75); Cobb River (75); Westport (79).
69/472	Aug	16d MM4 sharp	08h 24m Westport (79); Westport (79).
69/473	Aug	16d MM4	20h 21m Pa Valley (66).
69/476	Aug	17d MM4 heavy	10h 48m Ohope (28); Whakatane (27).
69/477	Aug	17d MM4 MM3	12h 08m Paraparumu Beach (65); Karori, Kelburn, Petone, Wainui-o-mata, Wellington city, York Bay (69); Ponatahi (70); Lower Hutt (68).
69/478	Aug	17d MM4 light	14h 37m Tadmor (75); Westport (79); Murchison (80); Lawson's Creek (85); Hokitika (91).
69/479	Aug	17d moderate	23h 17m Whakatane (27).
69/483	Aug	20d heavy	01h 47m Whakatane (27).
69/495	Aug	27d MM4	16h 46m Murchison (80).
69/496	Aug	28d MM4	07h 27m Kawerau (34).
69/498	Aug	28d MM4	11h 18m Waiwhare (51).
69/504	Aug	31d ?	07h 11m Westport (79).

69/508	Sep	01d MM4	18h 10m Rotorua (33).
69/512	Sep	02d ?	17h 47m Maungataniwha (52).
69/518	Sep	05d MM5 MM4 prolonged tremor	09h 26m Westport (79); Mangles Valley, Murchison (80); Puturau River (71); Paenga (80).
69/521	Sep	05d MM4	14h 52m Wanganui (57).
69/523	Sep	06d MM4	05h 28m Wellington (68).
69/540	Sep	10d MM4	19h 58m Dannevirke (63).
69/542	Sep	11d MM3	00h 56m Ohakune (49).
69/551	Sep	13d MM3 ?	23h 09m Ohakune (49); Wanganui (57); Kaipore (57).
69/552	Sep	14d MM4 MM3	01h 17m Ohakune (49); Ohakune (49).
69/556	Sep	15d MM4	21h 28m Murchison (80).
69/557	Sep	16d ?	06h 08m Maungataniwha (52).
69/567	Sep	17d MM4	13h 11m Omaio (28).
69/568	Sep	17d MM4 MM2	18h 21m Ohakune (49); Wanganui (57); Waikawa Beach (65); York Bay (68); Lower Hutt (68).
69/571	Sep	18d ?	18h 09m Maungataniwha (52).
69/587	Sep	22d ?	04h 56m Reefton (86).
69/589	Sep	22d MM4	11h 49m Ponatahi (70).
69/597	Sep	25d MM3	06h 46m Taradale (60).
69/600	Sep	26d MM4	04h 31m Taupo (41).
69/614	Oct	02d MM4	18h 50m Cobb River (75).
69/615	Oct	03d ?	01h 33m Maungataniwha (52).

69/617	Oct	03d MM4 MM3	15h 22m Westport (79); Murchison (80); Westport Harbour (79).
69/623	Oct	09d MM4	17h 58m Murchison (80).
69/636	Oct	14d MM3 sharp ?	21h 29m Uruti (38); Whangamomona (45); Kaipaore (57).
69/637	Oct	15d MM4 MM3 ?	03h 17m Paraparaumu Beach (65); Kelburn (68); Wellington city (68).
69/640	Oct	16d MM4 MM3	01h 42m Wairakei (41); Taupo (41).
69/644	Oct	17d MM5 MM4 MM3	16h 24m Dannevirke (63); Ohakune (49); Waiwhare (51); Patoka (52); Wairoa (53); Wanganui (57); Palmerston North (62); Nelson (76); Ohakune; Wanganui (57); Tikokino (59); Iori Bay (68).
69/647	Oct	19d MM4 mild	08h 43m Westport (79); Westport (79).
69/655	Oct	22d MM4 ?	06h 48m Dawson's Falls (47); Okoia (57); Mangahao (65); Kaipaore, Wanganui (57); Lake Alice (61).
69/670	Oct	29d MM3	05h 15m York Bay (68).
69/675	Oct	30d MM4	12h 34m Kaikoura (90).
69/676	Oct	30d MM4	12h 42m Kaikoura (90).
69/677	Oct	30d very slight	14h 25m Kaikoura (90).
69/678	Oct	30d very slight	14h 51m Kaikoura (90).
69/681	Oct	31d slight	11h 11m Kaikoura (90).
69/682	Oct	31d slight	11h 20m Kaikoura (90).
69/694	Nov	02d MM3	15h 01m Cobb River (75).
69/713	Nov	10d MM4	11h 27m Taupo, Wairakei (41).
69/717	Nov	11d MM4 MM2	13h 37m Tikitiki (29); Aorangi (29).

69/721	Nov	12d MM4	18h 21m Westport (79); Murchison (80).
69/722	Nov	13d MM3	10h 29m Gisborne (45).
69/723	Nov	13d ?	14h 15m Okaihau (36).
69/750	Nov	19d ?	15h 57m Maungataniwha (52).
69/758	Nov	21d MM4	23h 29m Rotorua (33).
69/760	Nov	22d MM3	04h 03m Tarata (47).
69/773	Nov	25d ?	23h 42m Maungataniwha (52).
69/777	Nov	26d ?	16h 57m Whangamomona (48).
69/779	Nov	30d MM4	13h 38m Rotorua (33).
69/780	Dec	01d MM4	18h 26m Taradale (60).
69/791	Dec	05d MM4	14h 47m Waipawa (60).
69/793	Dec	06d MM3	06h 56m Omaio (28).
69/799	Dec	09d MM4	22h 40m Murchison (80).
69/806	Dec	13d MM4	09h 26m Rotorua (33).
69/814	Dec	15d MM4	15h 41m Linden (68); Nelson (76); Ocean Bay (78).
69/833	Dec	21d MM4	08h 08m Murchison (80).
69/839	Dec	25d MM4	03h 38m Wanganui (57).
69/845	Dec	27d MM3	01h 35m Paraparaumu Beach (65).
69/846	Dec	07d ?	19h 12m Maungataniwha (52).
69/847	Dec	27d ?	23h 51m Maungataniwha (52).

EARTHQUAKES FELT IN STANDARD LOCALITIES

Localities within which earthquakes were felt during 1969 are listed in alphabetical order, preceded by their numbers on the reference map. The first figure in each pair following a locality name is the number of the epicentre, and the second (in brackets) is the maximum reported intensity within the district covered by the locality name. By referring back to the list of "Instrumentally Determined Origins", the magnitude of the shock can be found. The places actually reporting the shock appear in the table of "Places Reporting Felt Earthquakes".

133	Alexandra	008 (4)		
122	Arrowtown	008 (?)		
16	Auckland	206 (4),	288 (?)	
83	Awatere	124 (?) ,	212 (4)	
152	Balclutha	008 (4)		
77	Blenheim	207 (4)		
154	Bluff	008 (4),	208 (4)	
61	Bulls	288 (?) ,	655 (?)	
84	Cape Campbell	212 (?)		
46	Cape Egmont	020 (4),	021 (4)	
67	Castlepoint	031 (4)		
50	Chateau	235 (?) ,	236 (?) ,	237 (?)
63	Dannevirke	031 (4), 219 (4), 424 (3), 644 (5)	049 (4), 288 (5), 432 (4),	182 (4), 323 (?), 540 (4),
126	Duntroon	008 (4)		
29	East Cape	342 (5),	717 (4)	
117	Fairlie	008 (3)		
45	Gisborne	342 (2-3),	722 (3)	
121	Glenorchy	008 (4)		
85	Greymouth	013 (?) ,	024 (?) ,	478 (4)
103	Haast	223 (?)		
98	Hari Hari	180 (5)		
60	Hastings	003 (5), 326 (4), 791 (4)	182 (5), 597 (3),	288 (5), 780 (4),
55	Hawera	021 (3),	288 (4)	

FELT EARTHQUAKES

91	Hokitika	008 (4),	013 (?) ,	478 (?)
149	Invercargill	102 (2),	255 (4)	
113	Jackson's Bay	008 (4),	223 (4)	
90	Kaikoura	675 (4), 678 (?) ,	676 (4), 681 (?) ,	677 (4), 682 (?)
51	Kaweka	003 (2), 326 (4), 498 (4),	182 (5), 341 (3), 644 (4)	288 (4), 448 (4),
30	Kawhia	455 (?)		
132	Kingston	008 (5),	143 (5)	
125	Kurow	089 (4)		
143	Lawrence	008 (5)		
70	Martinborough	031 (4), 589 (4)	325 (4),	477 (4),
66	Masterton	031 (5), 288 (4),	039 (3), 473 (4)	182 (3),
38	Mokau	021 (4), 636 (3)	328 (2),	455 (4),
139	Monowai	008 (5),	170 (?) ,	247 (?)
140	Mossburn	008 (?) ,	170 (3),	208 (4)
36	Motu	723 (?)		
75	Motueka	157 (4), 478 (4),	460 (4), 614 (4),	468 (4), 694 (3)
71	Mount Stevens	157 (?) ,	518 (?)	
80	Murchison	013 (4), 055 (4), 310 (5), 344 (4), 478 (4), 556 (4), 721 (4),	014 (4), 249 (4), 314 (4), 348 (4), 495 (4), 617 (4), 799 (4),	024 (4), 256 (5), 339 (4), 350 (4), 518 (4), 623 (4), 833 (4)
34	Murupara	132 (?) ,	496 (4)	
52	Napier	032 (?) , 128 (?) , 178 (?) , 326 (4), 341 (?) , 512 (?) , 615 (?) , 773 (?) ,	122 (?) , 156 (4), 182 (?) , 331 (?) , 369 (?) , 557 (?) , 644 (4), 846 (?) ,	123 (?) , 162 (?) , 288 (5), 332 (?) , 432 (?) , 571 (?) , 750 (?) , 847 (?)
76	Nelson	001 (?) , 315 (?) ,	157 (2), 644 (4),	314 (3), 814 (4)
47	New Plymouth	021 (4), 760 (3)	288 (5),	655 (4),
136	Oamaru	008 (4)		

49	Ohakune	288 (4), 568 (4),	542 (3), 644 (4),	551 (3),
35	Opotiki	288 (4)		
65	Otaki	031 (?), 207 (4), 568 (4), 845 (3)	033 (?), 288 (5), 637 (4),	092 (4), 477 (4), 655 (4),
144	Outram	008 (3)		
62	Palmerston North	288 (4),	340 (4),	644 (4)
78	Picton	207 (4),	814 (4)	
134	Poolburn	008 (5),	089 (5)	
64	Porangahau	182 (5),	449 (3)	
86	Reefton	314 (?),	315 (?),	587 (?)
33	Rotorua	177 (?), 198 (4), 758 (4),	196 (4), 199 (?), 779 (4),	197 (4), 508 (4), 806 (4),
142	Roxburgh	008 (5)		
59	Ruahine	288 (4),	644 (3)	
124	St. Bathans	089 (5),	090 (4)	
58	Taihape	173 (4), 326 (4)	182 (4),	288 (5),
72	Takaka	157 (5),	288 (5)	
39	Taumarunui	455 (4)		
41	Taupo	036 (4), 068 (4), 071 (4), 640 (4),	066 (4), 069 (4), 072 (4), 713 (4),	067 (4), 070 (4), 600 (4),
26	Tauranga	064 (4),	065 (4),	168 (4)
130	Te Anau	008 (?),	208 (4)	
28	Te Kaha	342 (3), 793 (3)	476 (4),	567 (4),
118	Timaru	110 (4)		
40	Tokaanu	235 (5), 239 (3), 242 (4), 245 (4)	237 (4), 240 (4), 243 (4),	238 (2), 241 (4), 244 (4),
37	Tolaga Bay	204 (5),	342 (4),	429 (4)
148	Tuatapere	008 (?), 255 (4)	102 (?),	208 (?),
153	Waihola	008 (4)		
141	Waikaia	008 (4)		

53	Wairoa	122 (4), 288 (5),	123 (4), 644 (4)	209 (4),
123	Wanaka	008 (?)		
57	Wanganui	031 (3), 521 (4), 636 (?), 839 (4)	288 (5), 551 (3), 644 (4),	328 (4), 568 (4), 655 (4),
56	Waverley	288 (5)		
68	Wellington	031 (4), 207 (4), 304 (4), 568 (4), 670 (3),	092 (4), 257 (4), 477 (4), 637 (3), 814 (4)	181 (4), 288 (5), 523 (4), 644 (3),
79	Westport	013 (?), 055 (4), 157 (?), 314 (?), 468 (?), 504 (?), 647 (4),	016 (?), 119 (?), 203 (4), 315 (?), 472 (4), 518 (5), 721 (4)	024 (4), 120 (5), 215 (4), 324 (?), 478 (4), 617 (4),
44	Whakapunaki	128 (2)		
27	Whakatane	342 (3), 483 (?)	476 (?),	479 (?),
48	Whangamomona	077 (?), 455 (4),	288 (5), 636 (?),	331 (?), 777 (?)

UNCONFIRMED REPORTS

The following shocks reported to the Observatory as having been felt cannot be confirmed either by an instrumental record or by an independent report.

Jan 10d	11h 15m	Oratonui (37) (Possibly refers to shock 69/030, Jan 12d 11h 27m.)	?
22d	12h +	New Plymouth (47)	slight
27d	10h 04 $\frac{1}{2}$ m	Ngakarua (44)	MM3
Feb 02d	07h 14m	Wainui Hut (72)	MM4
04d	17h 30m	Paenga (80)	?
18d	17h 04m	Paraparaumu Beach (65)	MM4
Mar 13d	12-19h	Waiotira (9)	?
20d	13h 30m	Maungataniwha (52)	?
25d	?	Glebelands (64)	?
26d	09h 11m	Waiwhare (51)	MM4
Apr 16d	12h 43m	Westport (79)	?
May 07d	10h 26m	Auckland (16)	?
07d	23d 49m	Motuopa (40)	MM2
Jun 01d	?	Rotomahana (33)	?
03d	?	Rotomahana (33)	?
Jul 19d	11h 43m	Rotorua (33)	MM4
23d	01h 30m	Lake Okataina (33)	MM4

Aug 01d 15h 42m	Paraparaumu Beach (65)	MM4
04d 06h 50m	Wairakei (41)	?
13d 20h 40m	Tadmor (75)	MM4
17d 05h 30m	Whakatane (27)	fairly heavy
17d 06h 00m	Te Teko (34)	?
17d 14h 55m	Balclutha (152)	?
17d 17h 17m	Whakatane (27)	heavy
18d 01h 13m	Whakatane (27)	heavy
18d 17h 47m	Whakatane (27)	moderate
19d 01h 03m	Whakatane (27)	moderate
19d 01h 29m	Whakatane (27)	moderate
19d 04h 27m	Whakatane (27)	heavy
20d 08h 16m	Whakatane (27)	moderate
20d 08h 49m	Whakatane (27)	heavy
31d 08h 15m	Kawerau (34)	MM2
Sep 09d 23h 30m	Waiwhare (51)	MM4
Oct 16d 18h 30m	Maungataniwha (52)	severe
28d 18h 51m	Rotorua (33)	MM4
30d 13h 25m	Kaikoura (90)	very slight
Nov 22d 01h 30m	Rotorua (33)	slight

REPORTS FROM OUTSIDE NEW ZEALAND

The Observatory sometimes receives reports of earthquakes felt on islands of the south-west Pacific and at other places beyond the limits of the systematic reporting network. The following reports were received during 1969: -

Jan 01d 09h 26m	Savusavu	?
May 10d 20h 05m	Raoul Island	MM2
11d 00h 39m	Raoul Island	MM2
Jun 17d 23h 59m	Macquarie Island	?
29d 10h 34m	Raoul Island	MM4
Aug 18d 14h 16m	Raoul Island	MM3
Nov 22d 05h 02m	Raoul Island	MM4
25d 08h 46m	Raoul Island	MM4
Dec 05d 17h 41m	Raoul Island	MM4

STATION READINGS OF
DISTANT EARTHQUAKES

This section contains the readings from earthquakes at distances beyond about 10 degrees from Wellington, and is divided into two parts, the first containing data from stations within the main islands of New Zealand (including Chatham Island), and the second containing the data from other stations of the network. Both lists include U.S. Coast and Geodetic Survey origin data, and magnitudes computed from the New Zealand data.

The arrangement is as follows. For each earthquake the first line gives the origin time, epicentre, focal depth and magnitude assigned by the USCGS, and in the case of the New Zealand stations, the distance from Wellington in degrees. For the overseas stations, distances are listed individually with the station readings. When no USCGS data are available, this line is omitted. Next the arrival times of phases at the individual stations are listed. With these are given directions of first motion, the amplitudes and periods of the associated ground motions, the results of the magnitude calculations, and values of $\log_{10} A/T$ for the short-period vertical component.

Periods are given in seconds, and amplitudes in microns. These are worked out by the computer, using a stored polynomial approximation to the response curve of the seismometer concerned. The magnitudes are the 'unified magnitude' $m = \log_{10} A/T + C$, defined by Gutenberg and Richter (*Annali di Geofisica*, 9: 1-15, 1956). No station correction is applied. Only the vertical component recordings of P or PP, and the horizontal components of P, PP or S are used. The value printed on the right is the mean of separate determinations for all the components whose amplitude and period data are given on the same line.

Magnitude calculations are carried out only for the stations at Wellington, Karapiro, Gisborne, Roxburgh, and Monowai within New Zealand, and for the overseas stations at Afiamalu, Rarotonga, Suva, Raoul Island, and Scott Base.

PART I - Stations Within New Zealand.

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PART II - Other Stations Under N.Z. Control.

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	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
JAN 05	16	14	30,4	1,6N 126,0E	33KM	5,4 MOLUCCAS	WEL 32
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	COB	EP	Z	16 24 32			
	MJZ		Z	16 24 35			
JAN 05	16	50	42,8	8,9S 123,9E	27KM	5,6 FLORES REGION	WEL 35
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	COB	EP	Z	17 00 05			
JAN 06	01	04	32,1	8,2S 159,0E	33KM	4,8 SOLOMON IS	WEL 36
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	01 11 47			
	E=PP		Z	12 00			
JAN 06	02	05	39,9	8,8S 157,4E	33KM	4,9 SOLOMON IS	WEL 36
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	02 12 35			
JAN 06	06	22	05,8	16,4S 173,9W	33KM	4,2 TONGA	WEL 27
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	06 27 30			
JAN 06	06	46	18,2	11,8N 143,1E	33KM	5,2 CAROLINE IS	WEL 60
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	E	Z	06 58 12			
JAN 06	12	29	12,5	22,9S 179,2E	586KM	4,5 S. OF FIJI	WEL 19
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	QBZ	EP	Z	12 32 14			
	MNG	EP	Z	12 32 50			
	ES		Z	35 50			
	SCP		Z	39 31			
	WEL	EP	Z	12 32 57			
	COB	EP	Z	12 33 01			
	MJZ	EP	Z	12 33 31			
	MNW	EP	Z	12 33 53			
JAN 06	15	30	29,7	30,2S 178,0W	137KM	5,2 KERMADEC IS	WEL 13
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	ECZ	EP	Z	15 32 18			
	MNG	EP	Z	15 32 58			
	WEL	EP	Z	15 33 11			
	ES		Z	35 24			
	CIZ	EP	Z	15 33 32			
	MJZ	EP	Z	15 34 09			
	MNW	EP	Z	15 34 39			
JAN 06	15	39	00,9	10,5S 164,9E	32KM	4,2 SANTA CRUZ IS	WEL 32
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	ECZ	EP	Z	15 49 05			
	COB	EP	Z	15 49 21			
	WEL	P	Z	15 49 27			
	PP		Z	38			
	MJZ	EP	Z	15 49 41			
	MNW	EP	Z	15 49 59			
	EPP		Z	47 18			
	CIZ	EP	Z	15 46 10			

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
JAN 05	17	33	40,5	10,7S 164,4E	33KM	5,4 SANTA CRUZ IS	WEL 32
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	COB	EP	Z	17 39 58			
	MNG	EP	Z	17 40 00			
	MJZ	EP	Z	17 40 20			
	MNW	EP	Z	17 40 34			
JAN 06	20	50	24,6	30,2S 178,2W	189KM	4,5 KERMADEC IS	WEL 12
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	20 52 51			
	ES		Z	54 54			
	COB	EP	Z	20 53 21			
JAN 07	01	14	14,1	6,2S 146,4E	97KM	5,3 NEW GUINEA	WEL 43
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	COB	P	Z	01 21 58			
	MNG	P	Z	01 22 05,9 U			
	E		Z	42			
	MNW	EP	Z	01 22 09			
JAN 07	04	40	21,4	16,0S 167,9E	45KM	4,7 NEW HEBRIDES	WEL 26
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	04 45 47			
	COB	EP	Z	04 45 48			
JAN 07	11	32	20,1	17,8S 168,0E	34KM	NEW HEBRIDES	WEL 24
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	11 37 31			
JAN 07	12	56	30,6	19,3S 169,2E	114KM	4,4 NEW HEBRIDES	WEL 22
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	13 01 34			
JAN 07	17	46	45,8	10,8S 164,4E	29KM	5,3 SANTA CRUZ IS	WEL 32
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	17 52 56			
JAN 08	21	55	48,1	11,8N 143,1E	33KM	5,4 CAROLINE IS	WEL 60
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	22 05 59			
JAN 09	11	48	47,2	18,8S 179,4E	619KM	4,5 FIJI	WEL 23
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	11 52 37			
	MNG	EP	Z	11 52 55			
	ES		Z	56 12			
	COB	P	Z	11 53 07			
	ES		Z	56 31			
	MSZ	EP	Z	11 53 47			
JAN 09							
	KRP	EP	Z	13 48 26			
	MNG	EP	Z	13 48 50			
	COB	EP	Z	13 49 01			
JAN 09	13	43	08,3	6,6S 148,0E	66KM	5,0 NEW BRITAIN	WEL 42
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	E(P)	Z	13 50 53			

DATE	H M S			EPICENTRE			DEPTH	MAG	LOCATION	DIST (DEG)		
	HR	MIN	SEC	LONG	LAT	DIR				WEL	AZ	TZ
JAN 09	16	32	51,7	7,8S	158,7E		31KM	4,9	SOLOMON IS			
	KRP	EP	Z	16	39	52						
	MNG	EP	Z	16	39	59						
JAN 09	MNG	EP	Z	18	50	57						
	ES	Z		52	48							
JAN 09	18	53	03,5	25,2S	178,4E		550KM	5,0	S, OF FIJI			
	GBZ	P	Z	18	55	39						
	KRP	P	ZNE	18	55	54						
	ES	ZNE		58	20							
	TNZ	EP	Z	18	56	10						
	MNG	EP	Z	18	56	17						
	ES	Z		58	55							
	SCP	Z		19	03	24						
	WEL	EP	ZNE	18	56	25						
	COB	EP	Z	18	56	28						
	ES	Z		59	13							
	MJZ	EP	Z	18	56	58						
	MSZ	EP	Z	18	57	11						
	MNW	P	Z	18	57	21						
JAN 10	08	24	38,5	5,0S	153,6E		60KM	5,2	NEW IRELAND			
	KRP	EP	Z	08	31	56						
	E(*PP)	Z		32	09							
	COB	P	Z	08	32	08						
	MNG	EP	Z	08	32	12						
	(*PP)	Z				26						
	MSZ	P	Z	08	32	22						
JAN 10	14	19	11,7	58,8S	148,9E		33KM		W, OF MACQUARIE I.			
	MNW	EP	Z	14	19	14						
	MSZ	EP	Z	14	19	24						
JAN 10	MNG	P	Z	15	17	11						
JAN 11	04	26	26,8	28,4S	177,0W		68KM	5,4	KERMADEC IS			
	KRP	EP	ZNE	04	29	01						
	MNG	EP	Z	04	29	28						
	COB	EP	Z	04	29	53						
	CIZ	EP	ZNE	04	30	06						
	MJZ	EP	ZNE	04	30	37,5						
	MNW	EP	Z	04	31	08						
JAN 11	04	47	42,7	28,5S	176,8W		68KM	5,1	KERMADEC IS			
	KRP	EP	Z	04	50	19						
	MNG	EP	Z	04	50	44						
	COB	EP	Z	04	51	09						
	MJZ	EP	Z	04	51	53						
JAN 11	05	02	55,9	28,5S	176,7W		76KM	5,2	KERMADEC IS			
	KRP	EP	Z	05	05	29						
	MNG	EP	Z	05	05	53						

DATE	H M S			EPICENTRE			DEPTH	MAG	LOCATION	DIST (DEG)		
	HR	MIN	SEC	LONG	LAT	DIR				WEL	AZ	TZ
JAN 11	06	27	29,0	17,7S	178,8W		529KM	4,6	FIJI REGION			
	KRP	P	ZNE	06	31	35						
	GNZ	EP	Z	06	31	36						
	MNG	P	Z	06	31	56						
	WEL	P	ZNE	06	32	03						
	COB	P	Z	06	32	06						
	MSZ	EP	Z	06	32	48						
	MNW	P	Z	06	32	58						
JAN 12	04	09	24,3	23,3S	179,6E		697KM	4,2	S, OF FIJI			
	KRP	EP	Z	04	12	22						
	MNG	EP	Z	04	12	45						
	ES	Z		15	41							
	ESCP	Z		19	39							
	COB	EP	Z	04	12	57						
	MNW	P	Z	04	13	50						
JAN 12	KRP	EP	Z	08	26	06						
	MNG	EP	Z	08	26	28						
	COB	EP	Z	08	26	48						
JAN 12	09	07	24,0	10,5S	164,3E		47KM	4,8	SANTA CRUZ IS			
	MNG	EP	Z	09	13	40						
JAN 12	COB	EP	Z	20	38	07						
JAN 13	02	53	22,3	30,9S	177,8W		33KM	4,6	KERMADEC IS			
	ECZ	EP	Z	02	55	19						
	GNZ	EP	Z	02	55	31						
	WEL	ES	ZNE	02	58	26						
	COB	EP	Z	02	56	34						
JAN 13	MJZ	EP	Z	02	57	12						
JAN 13	KRP	EP	Z	04	50	25						
	COB	EP	Z	04	50	57						
JAN 13	KRP	P	ZNE	08	01	35						
	GNZ	EP	Z	08	01	35						
JAN 13	08	55	03,9	8,0S	158,9E		48KM	5,7	SOLOMON IS			
	KRP	EP	Z	09	01	47						
	COB	EP	Z	09	01	54						
	E*PP	Z		02	07							
	MJZ	EP	Z	09	02	12						
	E*PP	Z				24						
	MSZ	EP	Z	09	02	14						
	MNW	EP	Z	09	02	21						
JAN 13	21	24	22,5	18,8S	173,8W		33KM	4,8	TONGA			
	KRP	EP	Z	21	29	00						
	MNG	EP	Z	21	29	28						
	COB	EP	Z	21	29	46						

JAN 14	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	11 26 08,4	20,2S 175,8W	16KM	4,9 TONGA	WEL 22
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	MNQ EP	Z 11 31 00			
JAN 14	12 35 37,2	10,9S 164,4E	16KM	5,2 SANTA CRUZ IS	WEL 32
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	MNQ EP	Z 12 41 38			
	MSZ EP	Z 12 42 20			
JAN 14	21 24 36,5	31,6S 178,8W	395KM	4,3 KERMADEC IS	WEL 11
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	MNQ EP	Z 21 26 38			
	HEL ES	Z 21 28 43			
	COB ES	Z 21 29 04			
JAN 14	23 12 07,9	36,2N 29,2E	33KM	5,5 TURKEY	WEL 157
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	MNQ EP	Z 23 31 30			
	MJZ EP	Z 23 31 35			
	COB EP	Z 23 31 38			
	HEL EP	Z 23 32 02			
	MNQ EP	Z 23 32 03			
	KRP EP	Z 23 32 04			
JAN 15					
	KRP EP	Z 08 10 32			
	MNQ EP	Z 08 10 35			
	COB EP	Z 08 11 06			
JAN 15	12 39 06,7	3,2S 118,9E	33KM	5,5 SULAWESI	WEL 61
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	MNQ EP	Z 13 09 12			
	MJZ P	Z 13 09 18			
	KRP P	Z 13 09 27			
	HEL EP	Z 13 09 29			
	MNQ P	Z 13 09 31			
JAN 16	07 14 12,8	0,5N 98,7E	33KM	5,2 N. SUMATRA	WEL 81
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	MNQ EP	Z 07 26 22			
JAN 16	11 06 39,7	23,6S 176,1W	45KM	5,1 S. OF FIJI	WEL 19
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	GNZ EP	Z 11 10 18			
	MNQ EP	Z 11 10 39			
JAN 16	15 31 46,5	5,5S 153,2E	93KM	4,9 NEW IRELAND	WEL 41
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	MNQ P	Z 15 39 19			
JAN 16	17 06 39,8	20,8N 144,9E	165KM	4,5 MARIANA IS	WEL 68
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	MNQ EP	Z 17 17 19			
	KRP E	Z 17 17 33			
JAN 17	20 39 35,7	8,3N 124,1E	41KM	5,1 MINDANAO	WEL 68
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	MJZ EP	Z 21 10 23			

JAN 18	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	03 02 38,7	56,8S 26,8W	141KM	5,9 SOUTH SANDWICH IS	WEL 81
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	MNQ P	Z 03 14 18			
	MJZ P	Z 03 14 25			
	HEL EP	Z 03 14 35			
	KRP EP	Z 03 14 32			
JAN 18	03 49 59,5	3,0S 118,9E	33KM	5,3 SULAWESI	WEL 63
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	MSZ EP	Z 03 59 38			
	MNQ EP	Z 04 00 00			
	COB EP	Z 04 00 09			
	KRP P	Z 04 00 16			
JAN 18	03 55 43,8	3,0S 118,9E	33KM	5,3 SULAWESI	WEL 63
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	MSZ P	Z 04 05 48			
	MNQ EP	Z 04 05 50			
	COB EP	Z 04 05 57			
	KRP P	Z 04 06 06			
JAN 19	07 02 04,4	45,0N 143,2E	204KM	6,4 HOKKAIDO	WEL 90
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	KRP P	Z 07 14 31			
	APP	Z 07 15 33			
	(SKS)	NE 24 36			
	E	Z 07 15 59			
	COB EP	Z 07 14 40			
	APP	Z 07 15 40			
	HEL	Z 07 14 45			
	(APP)	Z 07 15 43			
	MJZ EP	Z 07 14 50			
	APP	Z 07 15 50			
	MNQ EP	Z 07 14 59			
JAN 19	07 26 09,9	1,9N 126,7E	33KM	5,6 MOLUCCAS	WEL 61
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	MNQ EP	Z 07 36 08			
	COB EP	Z 07 36 09			
	MJZ P	Z 07 36 11			
	KRP P	Z 07 36 11			
JAN 19					
	GNZ EP	Z 12 21 18			
	KRP P	Z 12 21 20			
	COB EP	Z 12 21 53			
JAN 19	17 19 23,1	1,7N 127,1E	86KM	5,1 HALMAHRA	WEL 61
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	MSZ P	Z 17 29 13			
	COB P	Z 17 29 17			
	MJZ P	Z 17 29 20			
	GNZ EP	Z 17 29 32			
JAN 19	18 30 32,1	14,9S 167,2E	112KM	6,2 NEW HEBRIDES	WEL 27
		H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
	CRZ P	Z 18 35 19			
	HEL P	Z 18 36 24			
	S	Z 19 00 54			
	SCP	Z 03 12			
	SSS	Z 07 03			

JAN 30	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	02 33 34,1	4,1N 126,4E	68KM	5,5 S, OF MINDANAO	WEL 62
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MSZ EP	Z 02 43 45			
	KRP EP	Z 02 43 47			
	MJZ P	ZNE 02 43 90			
JAN 30	10 29 40,4	4,8N 127,4E	70KM	5,9 S, OF MINDANAO	WEL 62
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	CRZ EP	Z 10 39 45			
	KRP EP	Z 10 39 51			
	MJZ EP	ZNE 10 39 54			
	ES	Z 48 40			
	HEL EP	Z 10 39 59			
	EPKPPKP	Z 11 09 21			
	CIZ EP	ZNE 10 41 02			
JAN 30	KRP P	ZNE 14 03 40		=1,17	
	COB EP	Z 14 04 11			
JAN 30	17 19 39,0	4,9N 127,9E	72KM	5,3 S, OF MINDANAO	WEL 62
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MSZ EP	Z 17 29 45			
	TUA EP	Z 17 30 12			
JAN 30	18 36 37,3	4,0N 123,0E	521KM	5,3 SULAWESI	WEL 62
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	COB P	Z 18 46 19			
	MJZ P	ZNE 18 46 20			
	KRP P	ZNE 18 46 22			
	HEL P	ZNE 18 46 26			
	TUA P	Z 18 46 30			
JAN 31	00 44 13,3	4,2N 128,1E	33KM	5,7 HALMAHERA	WEL 62
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MSZ EP	Z 00 54 21			
	MNW EP	Z 00 54 24			
	HEL EP	ZNE 00 54 30			
	TUA EP	Z 00 54 33			
	COB EP	Z 00 54 34			
JAN 31	MSZ EP	Z 02 19 37			
JAN 31	04 59 32,6	4,3N 128,1E	33KM	5,1 HALMAHERA	WEL 62
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MSZ EP	Z 05 09 37			
JAN 31	08 56 42,8	4,3N 128,1E	33KM	5,4 HALMAHERA	WEL 62
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MNW EP	Z 09 06 54			
	MJZ P	Z 09 06 57			
	TUA P	Z 09 07 03			
JAN 31	10 45 42,1	4,1N 128,0E	36KM	4,9 HALMAHERA	WEL 62
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MSZ EP	Z 10 55 49			

JAN 31	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	11 21 26,7	4,2N 128,1E	33KM	HALMAHERA	WEL 62
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MSZ EP	Z 11 31 35			
JAN 31	12 05 00,4	4,6S 153,3E	71KM	4,7 NEW IRELAND	WEL 41
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MSZ EP	Z 12 13 47			
	TUA EP	Z 12 13 51			
JAN 31	13 49 22,2	4,3N 128,1E	33KM	5,4 HALMAHERA	WEL 62
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MSZ EP	Z 13 58 30			
	MVA EP	Z 13 58 33			
	COB EP	Z 13 58 33			
	TUA EP	Z 13 58 42			
	HEL E(P)	Z 13 58 43			
JAN 31	13 52 52,5	4,3N 128,1E	33KM	5,2 HALMAHERA	WEL 62
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MSZ EP	Z 14 03 01			
	MVA EP	Z 14 03 03			
	COB EP	Z 14 03 05			
	TUA EP	Z 14 03 12			
JAN 31	MSZ EP	Z 14 05 46			
JAN 31	14 59 34,3	15,5S 175,0W	262KM	5,4 TONGA	WEL 27
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	CRZ EP	Z 15 04 10			
	TUA EP	Z 15 04 27			
	HEL EP	Z 15 04 54			
	COB EP	Z 15 04 58			
	MSZ EP	Z 15 05 41			
JAN 31	20 37 50,5	4,4N 128,1E	33KM	5,3 HALMAHERA	WEL 62
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MSZ EP	Z 20 47 58			
JAN 31	23 31 16,2	32,1S 179,6E	391KM	5,2 S, OF KERMADEC IS	WEL 10
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	ONE IP	E 23 32 51			
	E S	E 34 05			
	CRZ IP	ZNE 23 32 57,0 USW			
	GNZ P	Z 23 32 57			
		Z 33 00			
	TUA EP	Z 23 32 59			
	CAZ P	Z 23 33 26			
	HEL EP	ZNE 23 33 51			
	MSZ	ZNE 35 19			
	COB EP	Z 23 33 39			
	KAI MS	X 23 36 08			
	3PZ EP	V 23 34 05			
		V 36 17			
	MJZ EP	ZNE 23 34 16			
	MSZ P	Z 23 34 38			
		Z 32			

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
FEB 01	04	16	49.0	21.7S 179.3W	616KM	4.3 FIJI REGION	WEL 23
				H M S	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
				Z 04 22 40			
FEB 01	07	24	34.4	4.1N 128.0E	33KM	5.0 HALMAHERA	WEL 62
				H M S	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
				Z 07 34 42			
				ZNE 07 34 47			
FEB 01	07	41	22.6	9.2N 128.4E	33KM	5.5 HINDANAO	WEL 67
				H M S	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
				Z 07 32 09			
				ZNE 07 32 10			
FEB 01	13	24	01.7	4.3N 128.0E	33KM	4.3 HALMAHERA	WEL 62
				H M S	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
				Z 13 34 12			
FEB 01	16	19	13.3	4.0N 128.1E	33KM	5.2 HALMAHERA	WEL 62
				H M S	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
				Z 16 29 21			
				Z 16 29 21			
				Z 16 29 25			
				Z 16 29 38			
FEB 01				Z 16 26 03			
				Z 16 26 20			
				Z 16 26 33			
FEB 01				Z 23 03 40			
				Z 23 03 40			
				Z 23 04 31			
FEB 01				Z 23 15 08			
FEB 02	00	17	29.1	3.9N 128.1E	33KM	5.2 HALMAHERA	WEL 62
				H M S	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
				Z 00 27 36			
				Z 00 27 40			
FEB 02	01	38	44.2	3.9N 128.2E	33KM	5.4 HALMAHERA	WEL 62
				H M S	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
				Z 01 48 51			
				Z 01 48 53			
				Z 01 48 54			
				Z 01 49 01			
FEB 02	02	07	01.0	4.0N 128.3E	33KM	5.3 HALMAHERA	WEL 62
				H M S	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
				Z 02 17 07			
				Z 02 17 10			
FEB 02	05	21	26.2	3.9N 128.3E	33KM	5.5 HALMAHERA	WEL 62
				H M S	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
				Z 05 31 32			
				Z 05 31 34			

DISTANT EARTHQUAKES

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
FEB 02	20	50	21.3	4.3N 128.2E	33KM	5.2 HALMAHERA	WEL 62
				H M S	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
				Z 21 00 29			
FEB 03	07	51	29.4	25.8S 178.1E	629KM	5.3 S. OF FIJI	WEL 16
				H M S	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
				Z 07 53 44.0 US			
				ZNE 07 55 41			
				Z 07 53 51			
				E 07 53 51			
				E 07 55 54			
				Z 07 54 08			
				Z 07 56 26			
				Z 08 01 30			
				Z 08 05 13			
				Z 07 54 34			
				Z 07 57 06			
				ZNE 07 54 36			
				Z 07 54 40			
				X 07 54 55			
				N 07 55 02			
				ZNE 07 55 07			
				ZNE 07 55 09			
				Z 08 01 44			
				Z 07 55 23			
				Z 08 01 47			
				Z 07 55 33			
FEB 03	08	13	44.2	25.6S 178.1E	610KM	4.9 S. OF FIJI	WEL 16
				H M S	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
				ZNE 08 16 05			
				Z 08 16 11			
				E 08 16 12			
				Z 08 16 28			
				Z 08 16 37			
				Z 08 17 32			
FEB 03	08	16	14.7	25.7S 178.3E	634KM	5.3 S. OF FIJI	WEL 16
				H M S	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
				ZNE 08 20 36.9 US			
				B 22 33			
				Z 08 20 43.2 U			
				Z 08 20 59			
				ZNE 08 21 26			
				Z 08 21 29.8			
				ZNE 08 21 55			
				Z 08 22 11			
				Z 08 22 22.8 U			
FEB 03				Z 08 28 14			
				ZNE 08 28 25			
				Z 08 28 29			
				Z 08 28 31			
FEB 03	13	38	09.9	23.5S 179.8W	507KM	4.6 S. OF FIJI	WEL 18
				H M S	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
				Z 13 41 53			
				ZNE 13 44 49			

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
FEB 03	17	11	51.4	4.3N 128.9E	33KM	5.4 HALMAHERA	WEL 62
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
				Z			
				Z			
				Z			
FEB 03	19	01	29.4	4.4N 128.1E	33KM	5.2 HALMAHERA	WEL 62
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
				Z			
				Z			
				Z			
FEB 03	19	31	04.1	4.4N 128.2E	33KM	5.0 HALMAHERA	WEL 62
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
FEB 03	21	41	41.9	4.9N 127.4E	33KM	6.1 S. OF MINDANAO	WEL 63
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
				Z			
				Z			
				Z			
FEB 04	01	38	28.2	0.6S 121.7E	33KM	4.8 SULAWESI	WEL 63
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
				Z			
				Z			
				Z			
FEB 04	04	10	13.3	8.2S 80.2W	16KM	6.0 N. PERU	WEL 91
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
				Z			
FEB 04	11	28	44.5	19.8S 178.9W	623KM	5.0 FIJI REGION	WEL 22
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
				Z			
				Z			
				Z			
				Z			
FEB 05	10	36	24.6	3.8N 128.6E	33KM	5.2 HALMAHERA	WEL 61
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
FEB 07				Z			
FEB 07	06	15	50.7	0.7N 125.7E	41KM	5.1 MOLLUCAS	WEL 61
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
				Z			

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
FEB 08	19	19	18.1	3.9N 128.6E	36KM	5.0 HALMAHERA	WEL 62
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
FEB 08				Z			
FEB 08	23	35	44.1	57.9S 25.4W	33KM	5.0 SOUTH SANDWICH IS	WEL 80
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
				Z			
FEB 09	04	12	07.4	4.5N 128.3E	31KM	5.0 HALMAHERA	WEL 62
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
				Z			
FEB 10				Z			
FEB 10	07	16	12.9	2.1N 96.8E	33KM	5.4 N. SUMATRA	WEL 82
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
FEB 10	07	39	42.2	14.9S 167.9E	141KM	4.6 NEW HEBRIDES	WEL 27
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
				Z			
				Z			
				Z			
FEB 10	14	09	17.4	3.7N 128.2E	78KM	5.0 HALMAHERA	WEL 62
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
				Z			
				Z			
				Z			
FEB 10	14	19	22.3	2.7N 125.3E	97KM	5.1 S. OF MINDANAO	WEL 63
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
FEB 10	19	37	17.7	16.1S 168.4E	293KM	4.4 NEW HEBRIDES	WEL 26
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
FEB 10	22	58	05.8	22.7S 178.6E	673KM	6.0 S. OF FIJI	WEL 19
				H M S	DIR	LOG _W /T AZ TZ AN TN	AE TE MAG
				Z			
				Z			

	S	ZNE	03 13																	
ONE	SCS	VE	11 45																	
	P	E	23 01 00																	
GBZ	S	E	03 25																	
	P	Z	23 01 01																	
ECZ	S	Z	03 26																	
	EP	Z	23 01 09																	
GNZ	P	Z	03 16																	
	S	Z	03 54																	
	(SCP)	Z	08 11																	
	SCS	Z	11 51																	
TUA	EP	Z	23 01 18																	
	(SCP)	Z	08 09																	
TNZ	EP	Z	23 01 31																	
	S	Z	04 14																	
	(SCP)	Z	08 13																	
MNG	IP	Z	23 01 36.0 D																	
	S	Z	04 25																	
	(SCP)	Z	08 14																	
	SCS	Z	11 48																	
HEL	P	ZNE	23 01 44																	
	E(S)	ZNE	04 39																	
	(SCP)	ZNE	08 19																	
	SCS	ZNE	11 59																	
COB	IP	Z	23 01 46.8 U																	
	E	Z	04 41																	
	E(S)	Z	04 45																	
	(SCP)	Z	08 13																	
GPZ	EP	N	23 02 08																	
	S	N	05 21																	
	(SCP)	N	08 27																	
	(SCS)	N	12 06																	
CIZ	P	ZNE	23 02 10																	
MJZ	EP	ZNE	23 02 14																	
	E	Z	05 29																	
	SCS	Z	12 09																	
ROX	(SCP)	Z	23 08 30																	
MNW	P	Z	23 02 37																	
CLEAR PHASE ARRIVALS																				
FEB 10	H M S	EPICENTRE	DEPTH	MAG																
	23 02 57.5	23.15 178.8E	670KM	5.8	S, OF FIJI															
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG									
	CRZ	P	ZNE	23 05 44																
	S	ZNE	08 03																	
	ONE	P	E	23 05 53																
	GBZ	EP	Z	23 05 52																
	MNG	E(S)	Z	23 09 14																
	HEL	ES	ZNE	23 09 28																
	(SCP)	Z	13 08																	
	GPZ	ES	V	23 10 16																
	MJZ	SCP	Z	23 13 16																
	SCS	ZNE	16 59																	
FEB 10	MJZ	EP	Z	23 33 13																
	COB	P	Z	23 33 13																
	MNG	P	Z	23 33 24																
	CRZ	EP	Z	23 33 40																
FEB 10	GNZ	EP	Z	23 43 54																
	MNG	P	Z	23 44 05																
	COB	EP	Z	23 44 07																
	MJZ	P	ZNE	23 44 24																
FEB 11	H M S	EPICENTRE	DEPTH	MAG																
	10 55 19.4	19.3S 177.6W	424KM	4.4	FIJI REGION															
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG									
	MNG	EP	Z	10 59 37																

	H M S	EPICENTRE	DEPTH	MAG																
FEB 11	13 29 38.3	8.3S 118.8E	83KM	5.3	FLORES REGION															
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG									
	MJZ	EP	Z	13 39 17																
	MNG	P	Z	13 39 33																
FEB 11	COB	EP	Z	14 29 40																
	MNG	EP	Z	14 29 42																
	MJZ	EP	Z	14 30 21																
	MSZ	EP	Z	14 30 32																
FEB 11	22 16 13.5	6.7S 126.8E	490KM	6.0	BANDA SEA															
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG									
	CRZ	EP	ZNE	22 24 32																
	MNW	P	Z	22 24 43																
	MJZ	P	ZNE	22 24 49																
	HEL	EP	Z	22 24 59																
	S	ZNE	32 00																	
	MNG	P	Z	22 25 01																
	CIZ	P	Z	22 25 50																
FEB 12	MSZ	EP	Z	17 34 40																
FEB 12	18 40 38.3	22.7S 179.4W	470KM	4.6	S, OF FIJI															
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG									
	GNZ	ES	Z	18 46 51																
	MNG	EP	Z	18 44 19																
	E(S)	Z	47 24																	
	COB	EP	Z	18 44 33																
FEB 12	MNG	EP	Z	21 38 59																
FEB 13	02 42 17.7	7.4S 107.0E	15KM	5.3	JAVA															
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG									
	MJZ	EP	Z	02 53 02																
	COB	EP	Z	02 53 10																
FEB 13	10 02 37.9	30.1S 178.0W	23KM	4.9	KERMADEC REGION															
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN												

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	DIST (DEG)	WEL	MAG
FEB 14	06	14	33,4	17,8S 87,3E	33KM	5,3	S	INDIAN OCEAN							
	MSZ	P	Z	06 26 11											
	HJZ	EP	Z	06 26 22											
FEB 15	06	20	38,0	17,8S 178,9W	610KM	4,6	S	FIJI REGION							
	COB	EP	Z	06 25 09											
FEB 15	06	50	34,1	20,5S 176,0W	160KM	4,6	S	FIJI REGION							
	GNZ	P	Z	06 34 45											
	WEL	EP	Z	06 35 19											
	COB	EP	Z	06 35 21											
	HJZ	EP	Z	06 35 35											
	MSZ	EP	Z	06 36 07											
FEB 15															
	GNZ	EP	Z	07 04 09											
	COB	EP	Z	07 04 44											
	MSZ	EP	Z	07 05 32											
	MNH	EP	Z	07 05 56											
FEB 15															
	COB	EP	Z	07 43 23											
FEB 15	08	43	34,4	24,1S 180,0W	590KM	5,0	S	OF FIJI							
	GNZ	EP	Z	08 46 37											
	WEL	EP	Z	08 47 06											
	COB	EP	Z	08 47 12											
	HJZ	P	Z	08 47 45											
FEB 15	13	49	13,6	13,6S 167,2E	203KM	5,3	S	NEW HEBRIDES							
	TUA	P	Z	13 34 33											
	COB	EP	Z	13 34 46											
	WEL	EP	Z	13 34 48											
	HJZ	P	Z	13 35 07											
	MSZ	P	Z	13 35 12											
	MNH	EP	Z	13 35 22											
FEB 15															
	HJZ	P	Z	13 38 02											
FEB 15	15	03	12,3	26,0S 178,1E	680KM	4,6	S	OF FIJI							
	CRZ	P	Z	15 05 32											
	GNZ	EP	Z	15 05 35											
	WEL	EP	Z	15 06 23											
	COB	P	Z	15 06 25											
	MSZ	EP	Z	15 07 04											
FEB 16															
	GNZ	EP	Z	05 38 14											
	KRP	EP	Z	05 38 19											
	ES	N	Z	05 39 35											
	ECZ	S	Z	05 39 32											
	TUA	P	Z	05 38 20											
	S	Z	Z	05 39 31											
	MNQ	P	Z	05 38 42											
	ES	Z	Z	06 00 31 42											

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	DIST (DEG)	WEL	MAG
FEB 16	11	02	02,2	18,3S 178,2W	690KM	4,1	S	FIJI REGION							
	KRP	EP	Z	11 05 35											
FEB 16	15	20	19,1	10,0S 107,8E	33KM	4,6	S	OF JAVA							
	HJZ	EP	Z	15 30 47											
FEB 17	00	42	59,2	3,8N 128,4E	14KM	5,6	S	HALMAHERA							
	KRP	EP	Z	00 53 08											
	COB	P	Z	00 53 09											
	MNH	EP	Z	00 53 09											
	HJZ	EP	Z	00 53 11											
	WEL	EP	Z	00 53 16											
	TUA	EP	Z	00 53 18											
FEB 17	01	15	59,1	3,9N 128,6E	88KM	5,4	S	HALMAHERA							
	KRP	EP	Z	01 25 53											
	MSZ	EP	Z	01 25 54											
	HJZ	EP	Z	01 25 59											
	WEL	EP	Z	01 26 02											
FEB 17	01	26	06,3	3,8N 129,1E	33KM	5,1	S	HALMAHERA							
	HJZ	EP	Z	01 36 15											
FEB 17	01	36	28,4	3,9N 128,9E	33KM	4,8	S	HALMAHERA							
	HJZ	EP	Z	01 46 38											
FEB 17	01	38	33,7	3,6N 128,1E	33KM	5,3	S	HALMAHERA							
	HJZ	EP	Z	01 48 43											
FEB 17	02	00	35,5	3,9N 128,6E	79KM	5,1	S	HALMAHERA							
	HJZ	P	Z	02 10 41											
	MNQ	P	Z	02 10 46											
FEB 17	02	35	11,0	3,7N 128,9E	33KM	4,9	S	HALMAHERA							
	HJZ	P	Z	02 45 22											
	(*PP)		Z	02 45 36											
FEB 18	05	14	59,9	24,0S 176,7W	99KM	5,4	S	OF FIJI							
	CRZ	EP	Z	05 18 13											
	KRP	EP	Z	05 18 30											
	MNQ	P	Z	05 18 50											
	E	Z	Z	05 19 54											
	HJZ	EP	Z	05 19 48											
	E(S)	Z	Z	05 23 34											
	MNH	EP	Z	05 20 12											

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
FEB 18	10	35	39,1	31,4S 178,0W	33KM	4,7 KERMADEC IS	WEL: 21
	MNG	ES	Z	10 39 50		LOG _a /T AZ TZ AN TN	AE TE MAG
	HEL	ES	Z	10 40 09			
	COB	ES	Z	10 40 31			
FEB 18	20	43	13,6	17,9S 178,6W	569KM	5,2 FIJI REGION	WEL: 24
	CRZ	P	Z	20 46 36		LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	20 47 36			
		ES	Z	51 02			
	COB	EP	Z	20 47 48			
	MJZ	EP	Z	20 48 15			
	MNH	EP	Z	20 48 38			
FEB 19	03	21	39,3	22,6S 176,5W	192KM	4,8 S. OF FIJI	WEL: 20
	GNZ	EP	Z	03 25 48		LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	P	Z	03 25 49		=0,60	
	MNG	EP	Z	03 26 11			5,7
	HEL	EP	Z	03 26 21			
	COB	EP	Z	03 26 25			
		I	Z	32			
	MJZ	EP	Z	03 27 02			
	MNH	P	Z	03 27 25			
FEB 19	03	26	59,7	18,0S 178,0W	630KM	4,4 S. OF FIJI	WEL: 24
	KRP	EP	Z	03 30 32		LOG _a /T AZ TZ AN TN	AE TE MAG
	HEL	EP	Z	03 31 09			
		P	Z	20			
	MJZ	EP	Z	03 31 51			
	MSZ	EP	Z	03 32 05			
	MNH	P	Z	03 32 14			
FEB 19							
	KRP	EP	Z	09 41 08			
FEB 20							
	MNG	EP	Z	02 26 52			
		ES	Z	29 40			
	COB	EP	Z	02 27 06			
		ES	Z	29 59			
FEB 20	02	59	14,0	20,1S 173,9W	33KM	5,3 TONGA	WEL: 23
	KRP	EP	Z	03 03 45		LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	03 04 10			
	COB	P	Z	03 04 29			
	MJZ	EP	Z	03 05 01			
FEB 20	09	55	33,8	3,5N 128,2E	33KM	5,7 HALMAHERA	WEL: 61
	MSZ	EP	Z	10 05 36		LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	P	Z	10 05 41			
	MJZ	P	Z	10 05 42			
	MNG	P	Z	10 05 47			
	CIZ	EP	Z	10 06 39			
FEB 20							
	MJZ	EP	Z	10 11 47			
	KRP	EP	Z	10 11 46			
	MNG	EP	Z	10 11 53			

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
FEB 20	10	16	31	3,5N 128,4E	77KM	5,0 HALMAHERA	WEL: 61
	KRP	P	Z	10 16 34		LOG _a /T AZ TZ AN TN	AE TE MAG
	MJZ	EP	Z	10 39 57			
		H	M	S			
	CRZ	P	Z	10 40 19			
	MSZ	P	Z	11 09 57			
		P	Z	10 40 23			
	MNH	EP	Z	10 40 25			
	MJZ	EP	Z	10 40 30			
	MNG	P	Z	10 40 30			
FEB 20	11	04	08,0	3,5N 128,1E	73KM	4,9 HALMAHERA	WEL: 62
		H	M	S		LOG _a /T AZ TZ AN TN	AE TE MAG
	MJZ	EP	Z	11 14 14			
	MNG	EP	Z	11 14 18			
FEB 20	12	14	38,7	3,6N 127,9E	70KM	5,3 S. OF MINDANAO	WEL: 62
		H	M	S		LOG _a /T AZ TZ AN TN	AE TE MAG
	MJZ	EP	Z	12 24 45			
FEB 20	12	30	48,3	3,5N 128,2E	79KM	5,0 HALMAHERA	WEL: 61
		H	M	S		LOG _a /T AZ TZ AN TN	AE TE MAG
	MJZ	EP	Z	12 40 51			
	MNG	EP	Z	12 40 57			
	MSZ	EP	Z	12 40 46			
FEB 20	12	55	29,6	3,6S 128,5E	96KM	5,2 HALMAHERA	WEL: 56
		H	M	S		LOG _a /T AZ TZ AN TN	AE TE MAG
	MJZ	P	Z	13 05 36			
FEB 20	13	02	04,1	19,9S 177,7W	379KM	5,0 FIJI REGION	WEL: 22
		H	M	S		LOG _a /T AZ TZ AN TN	AE TE MAG
	CRZ	P	Z	13 05 34			
	GNZ	P	Z	13 05 52			
	MNG	P	Z	13 06 11			
	HEL	P	Z	13 06 20			
	COB	P	Z	13 06 23			
FEB 20	13	29	07,6	3,6N 128,1E	83KM	5,5 HALMAHERA	WEL: 62
		H	M	S		LOG _a /T AZ TZ AN TN	AE TE MAG
	MJZ	P	Z	13 39 12			
	MNG	EP	Z	13 39 16			
FEB 20	15	38	02,4	3,5N 128,6E	59KM	5,1 HALMAHERA	WEL: 61
		H	M	S		LOG _a /T AZ TZ AN TN	AE TE MAG
	MJZ	EP	Z	15 48 07			
FEB 20	16	38	13,8	3,7N 128,2E	48KM	5,3 HALMAHERA	WEL: 62
		H	M	S		LOG _a /T AZ TZ AN TN	AE TE MAG
	COB	EP	Z	17 08 18			
	MNH	EP	Z	17 08 20			
	MJZ	EP	Z	17 08 21			
	MNG	EP	Z	17 08 28			

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
FEB 20	17	58	08,6	25,0S 178,2E	616KM	4,8 S, OF FIJI	WEL 51
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	CRZ	P	Z	18 00 32			
	MNG	EP	Z	18 01 17			
	WEL	EP	Z	18 01 27			
	COB	P	Z	18 01 30			
		ES	Z	04 16			
	MJZ	EP	ZNE	18 01 59			
	MNW	P	Z	18 02 22			
FEB 20	19	10	19,1	3,8N 128,4E	72KM	5,0 HALMAHRA	WEL 62
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	MJZ	EP	ZNE	19 20 23			
	MNG	EP	Z	19 20 28			
FEB 20	19	27	00,4	3,4N 128,4E	76KM	5,0 HALMAHRA	WEL 61
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	MJZ	E(P)	Z	19 37 03			
FEB 21	20	46	27,1	16,1S 173,0W	38KM	5,4 TONGA	WEL 27
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	20 51 59			
	COB	EP	Z	20 52 15			
	MJZ	EP	ZNE	20 52 45			
	MNW	EP	Z	20 53 09			
FEB 21							
	MNG	EP	Z	23 31 31			
		ES	Z	34 11			
	COB	EP	Z	23 31 47			
FEB 22	12	14	37,9	22,4S 177,1W	239KM	4,4 S, OF FIJI	WEL 21
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	COB	EP	Z	12 19 10			
		ES	Z	22 41			
FEB 22	17	53	31,4	3,5N 128,2E	96KM	5,2 HALMAHRA	WEL 51
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	MSZ	P	Z	18 03 49			
	MJZ	P	Z	18 03 54			
FEB 22	18	11	01,2	24,8S 177,0W	138KM	5,0 S, OF FIJI	WEL 18
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	CRZ	EP	ZNE	18 14 11			
	WEL	EP?	ZNE	18 15 09			
		ES	ZNE	18 07			
	COB	EP	Z	18 15 09			
	CIZ	P	ZNE	18 15 21			
	MSZ	EP	Z	18 16 00			
		ES	Z	19 59			
	MNW	P	Z	18 16 09			
					-0,70		5,1
FEB 22	22	58	44,0	6,9S 124,9E	540KM	5,3 BANDA SEA	WEL 50
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	CRZ	P	ZNE	23 07 04			
	MSZ	IP	Z	23 07 12,0 U			
	MJZ	P	ZNE	23 07 20			
		APP	Z	09 08			
	COB	P	Z	23 07 21			
	WEL	P	ZNE	23 07 30			
					-0,26		6,1

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
FEB 23	00	36	56,6	3,1S 118,9E	13KM	6,1 SULAWESI	WEL 63
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	CRZ	EP	ZNE	00 46 59			
	MNW	EP	Z	00 47 04			
	WEL	P	ZNE	00 47 23			
		S	N	55 53			
	GNZ	EP	Z	00 47 34			
	CIZ	EP	ZNE	00 48 09			
FEB 23	01	08	14,5	18,2S 172,8W	33KM	4,4 TONGA REGION	WEL 25
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	CRZ	EP	Z	01 12 53			
	WEL	E(APP)	ZNE	01 13 47			
	COB	EP	Z	01 13 46			
	MJZ	EP	Z	01 14 19			
FEB 23	01	13	19,4	3,3S 119,1E	33KM	5,3 SULAWESI	WEL 62
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	MJZ	EP	Z	01 23 25			
FEB 23	02	17	01,4	3,1S 118,0E	33KM	5,4 SULAWESI	WEL 63
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	MNW	EP	Z	02 27 08			
	MJZ	EP	ZNE	02 27 14			
FEB 23	02	30	54,4	3,4S 119,1E	22KM	5,2 SULAWESI	WEL 62
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	MJZ	EP	Z	03 01 08			
FEB 23	06	03	47,0	3,4S 119,0E	7KM	5,3 SULAWESI	WEL 62
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	MNW	EP	Z	06 13 59			
	MJZ	EP	ZNE	06 14 00			
FEB 23	10	26	02,9	3,2S 118,6E	33KM	SULAWESI	WEL 63
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	MJZ	EP	Z	10 36 14			
FEB 24	00	08	45,6	6,2S 131,0E	38KM	5,8 BANDA SEA	WEL 52
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	CRZ	P	Z	00 17 20			
	MNW	EP	Z	00 17 42			
	MJZ	EP	ZNE	00 17 46			
	WEL	EP	ZNE	00 17 54			
	COB	EP	Z	00 17 55			
FEB 24							
	MNW	EP	Z	00 22 46			
	MJZ	P	ZNE	00 22 48			
FEB 24	01	01	10,9	1,7N 126,4E	16KM	5,1 MOLUCCAS	WEL 61
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	COB	EP	Z	01 11 19			
	MJZ	EP	ZNE	01 11 18			
FEB 24	04	18	03,7	3,2S 119,0E	33KM	5,1 SULAWESI	WEL 63
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	MJZ	P	ZNE	04 28 14			

DATE	H	M	S	EPICENTRE	DEPTH	MAG	LOG _a A/T	AZ	TZ	AN	TN	DIST (DEG)	WEL
FEB 24	15	25	08,7	5,4N 126,4E	92KM	4,8							
				H M S	DIR								
				Z 15 35 26									
				ZNE 15 35 32									
FEB 24	16	41	45,2	3,7N 126,8E	39KM	5,0							
				H M S	DIR								
				ZNE 16 51 53									
FEB 25	01	35	03,0	5,2N 126,3E	65KM	5,5							
				H M S	DIR								
				Z 01 45 24									
				Z 01 45 26									
FEB 25	03	51	49,6	32,4S 180,0E	325KM	5,1							
				H M S	DIR								
				Z 03 53 21,4	800								
				Z 03 53 21,4	800								
				ZNE 03 53 58									
				ZNE 03 55 50									
				ZNE 04 06 14									
				ZNE 03 54 48									
				ZNE 03 57 15									
				Z 04 02 45									
				Z 06 21									
FEB 25	04	55	28,2	6,1S 154,7E	70KM	4,9							
				H M S	DIR								
				Z 09 02 49									
				Z 09 02 46									
				Z 09 02 49,1 U									
FEB 25	10	35	26,3	25,8S 175,3W	95KM	5,0							
				H M S	DIR								
				Z 10 39 05									
FEB 25	13	33	58,3	15,0S 167,4E	125KM	3,0							
				H M S	DIR								
				Z 13 39 13									
				Z 13 39 24									
				Z 13 39 25									
				Z 13 39 47									
FEB 25	14	42	30,4	15,0S 167,4E	132KM	5,0							
				H M S	DIR								
				Z 14 47 54,8 U									
				Z 14 47 56									
				Z 14 48 17									
				Z 14 48 32									
FEB 26	01	31	18,1	4,3N 122,1E	636KM	5,1							
				H M S	DIR								
				Z 01 40 54									
				Z 01 40 56									
				ZNE 01 40 58									
				Z 01 41 05									
FEB 26	04	20	52										

DATE	H	M	S	EPICENTRE	DEPTH	MAG	LOG _a A/T	AZ	TZ	AN	TN	DIST (DEG)	WEL
FEB 24	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8							
				H M S	DIR								
				Z 08 29 02									
FEB 26	08	20	19,1	3,6N 128,5E	99KM	4,8	</						

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
MAR 06	01	46	37,7	3,9N 128,2E	82KM	5,0 HALMAHERA	WEL 61
	KRP	E(P)	Z	01 56 46	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
	MNG	P	Z	01 56 52			
	MJZ	P	Z	01 56 45,0			
		APP	Z	57 08			
MAR 06	03	25	55,1	4,3N 128,4E	33KM	5,0 HALMAHERA	WEL 62
	KRP	EP	Z	03 36 03	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
	MJZ	P	Z	03 36 06			
	MNG	EP	Z	03 36 10			
MAR 06	CRZ	EP	Z	04 17 25			
	KRP	EP	Z	04 17 45			
	MNG	EP	Z	04 18 05			
MAR 06	ECZ	ES	Z	09 47 03			
	KRP	P	ZNE	09 46 13,7			
	GNZ	P	Z	09 46 11,2			
		S	Z	47 38			
	CNZ	P	Z	09 46 23,6			
	MNG	P	Z	09 46 36,2			
		S	Z	48 26			
	WEL	ES	ZNE	09 48 41			
MAR 07	01	44	26,7	17,8S 175,4W	284KM	4,5 TONGA	WEL 25
	KRP	P	ZNE	01 48 59	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	01 49 19			
MAR 07	KRP	EP	Z	06 01 37			
MAR 07	KRP	EP?	Z	12 08 46			
MAR 07	KRP	EP	Z	14 34 07			
	MNG	EP	Z	14 34 28			
MAR 07	KRP	P	Z	17 28 35			
	MNG	EP	Z	17 28 52			
MAR 08	MNG	P	Z	00 44 52			
MAR 08	10	20	09,2	41,3N 139,6E	189KM	5,7 HOKKAIDO	WEL 88
	KRP	P	Z	10 32 30	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
	MNG	P	Z	10 32 40			
MAR 08	11	30	18,5	4,0N 128,3E	59KM	4,8 HALMAHERA	WEL 62
	KRP	EP	ZNE	11 40 24	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
MAR 08	11	49	49,8	3,8N 128,2E	94KM	5,0 HALMAHERA	WEL 62
	KRP	EP	Z	11 59 56	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
MAR 08	18	09	01,8	15,6S 173,7W	154KM	5,1 TONGA	WEL 27
	GNZ	EP	Z	18 14 01	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
	KRP	P	ZNE	18 14 04			

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
MNG	EP	Z	18 14 23				
MAR 09	11	35	30,4	48,1N 148,3E	388KM	5,1 KURIL IS	WEL 92
	KRP	EP	Z	11 47 44	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
MAR 09	12	30	26,7	20,2S 177,9W	520KM	4,3 FIJI REGION	WEL 22
	KRP	P	Z	12 34 12	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
MAR 09	13	06	26,7	1,5N 126,3E	38KM	5,2 MOLUCCAS	WEL 61
	KRP	EP	Z	13 16 31	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
MAR 09	13	47	59,4	4,1S 135,9E	14KM	5,5 WEST IRIAN	WEL 51
	KRP	EP	ZNE	13 56 53	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
	MNH	EP	Z	13 56 58			6,1
	MNG	EP	Z	13 57 01			
	WEL	EP	Z	13 57 03			
	GNZ	EP	Z	13 57 09			
MAR 09	14	26	18,9	31,2N 141,9E	33KM	5,2 S. OF HONSHU	WEL 78
	KRP	EP	Z	14 38 05	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
	E(PP)	Z	10,5				
	MNG	EP	Z	14 38 17			
MAR 09	14	39	04,2	4,1S 135,6E	33KM	5,5 WEST IRIAN	WEL 51
	KRP	EP	ZNE	14 47 55	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
	MNH	EP	Z	14 47 58			5,8
	MNG	EP	Z	14 48 04			
	GNZ	EP	Z	14 48 10			6,2
MAR 10	06	54	17,6	5,6S 147,2E	206KM	5,8 NEW GUINEA	WEL 43
	KRP	P	ZNE	07 01 44,7 U	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
	E(PP)	Z	03 40,5				
	EPCS	Z	07 12				
	ES	NE	30				
	GNZ	P	Z	07 01 59,0 U			6,6
	ES	Z	08 16				
	WEL	EP	Z	07 02 00			3 10 5,7
	ES	ZNE	08 11				19 12 14 14 6,6
	EL	NE	12				
	MNH	EP	Z	07 02 55			
MAR 11	22	06	33,6	14,7S 167,5E	182KM	4,3 NEW HEBRIDES	WEL 27
	MNG	EP	Z	22 12 10	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
MAR 12	07	02	15,0	5,0S 150,7E	230KM	NEW BRITAIN	WEL 42
	KRP	EP	Z	07 09 29	DIR	LOG _w A/T AZ TZ AN TN	AE TE MAG
	MNG	P	Z	07 09 44,3 D			

MAR	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				H M S	KM	LOG _a /T AZ TZ AN TN	WEL MAG
MAR 13	20	40	12,5	9,5S 110,4E	902KM	5,2 JAVA SEA	24
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNW	EP	Z	20 49 55			
	KRP	EP	Z	20 50 17			
	MNG	P	Z	20 50 19,2			
MAR 14	13	58	22,3	28,5S 176,7W	126KM	4,4 KERMADEC IS	23
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	ZE	14 00 52			
	CRZ	EP	ZNE	14 00 56			
	MNG	EP	Z	14 01 20			
		ES	Z	03 49			
MAR 14	22	02	58,6	7,0S 129,7E	116KM	5,3 BANDA SEA	24
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	22 12 26			
MAR 15	11	44	42,3	2,8S 126,5E	33KM	5,6 CERAM SEA	24
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNW	EP	Z	11 54 18			
	KRP	EP	Z	11 54 25			
	MNG	EP	Z	11 54 31,5			
	GNZ	EP	Z	11 54 39			
MAR 15	13	35	39,3	51,2N 179,1E	46KM	5,6 ALEUTIAN IS	24
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	13 48 26,5			
MAR 15	14	58	06,0	49,5S 125,0E	33KM	5,0 S OF AUSTRALIA	24
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	15 05 06			
	KRP	EP	Z	15 05 19			
MAR 15	15	31	59,6	5,3N 125,3E	192KM	5,1 MINDANAO	25
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	15 42 10			
	MNG	EP	Z	15 42 20			
	GNZ	EP	Z	15 42 23,5			
MAR 16	03	23	05,7	21,6S 169,8E	33KM	LOYALTY IS	20
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	03 27 04			
	MNG	EP	Z	03 27 31			
MAR 16	15	34	17,2	38,5N 142,7E	40KM	5,4 HONSWU	23
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	16 06 35			
	GNZ	EP	Z	16 06 41			
	MNG	EP	Z	16 06 46			
MAR 16	15	37	39,7	38,5N 142,6E	46KM	5,1 HONSWU	23
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	16 09 56,5			
	MNG	EP	Z	16 10 07			

MAR	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				H M S	KM	LOG _a /T AZ TZ AN TN	WEL MAG
MAR 17	00	56	06,2	17,7S 179,9E	614KM	5,4 FIJI	24
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	ZNE	01 00 06,5			
		E(*PP)	Z	01 32			
		ES	E	03 35			
	GNZ	EP	Z	01 00 11,5			
		ES	Z	03 31			
	MNG	EP	Z	01 00 27			
		ES	Z	03 56			
		ESCP	Z	06 35			
	MJZ	EP	ZNE	01 01 03			
		ES	ZNE	05 00			
MAR 17	01	01	55,6	17,8S 180,0E	625KM	4,5 FIJI	24
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	01 05 56			
		ES	Z	06 29			
	MNG	EP	Z	01 06 15			
	MJZ	EP	Z	01 06 48			
MAR 17	01	30	07,3	17,6S 179,8E	615KM	4,8 FIJI	24
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	ZN	01 34 06			
	GNZ	EP	Z	01 34 08			
	MNG	EP	Z	01 34 26			
	MJZ	EP	ZNE	01 35 04			
		ES	VE	39 02			
MAR 18	01	33	43,0	17,6S 167,3E	19KM	4,9 NEW HEBRIDES	24
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	01 38 46			
	MNG	EP	Z	01 39 01			
MAR 18	02	26	18,1	12,1S 166,9E	192KM	4,4 SANTA CRUZ IS	30
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	02 32 05			
MAR 18	03	25	31,8	21,4S 171,1E	15KM	5,5 LOYALTY IS	20
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	ZNE	03 29 31			
	GNZ	EP	Z	03 29 50			
	WEL	EP	Z	03 30 10			
		ES	V	34 00			
		ELQ	E				
		ELR	ZNE	35			
	MJZ	EP	ZNE	03 30 32			
MAR 18	03	32	30,8	21,4S 170,9E	33KM	5,3 LOYALTY IS	20
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	ZNE	03 36 49			
	GNZ	EP	Z	03 37 03			
	WEL	EP	ZNE	03 37 27			
		ELQ	VE	41			
		ELR	Z	42			
	MJZ	EP	ZNE	03 37 49			
MAR 18	03	41	22,7	15,2S 173,5W	39KM	5,1 TONGA	28
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	03 46 41			

MAR 22	H M S			EPICENTRE			DEPTH	MAG	5,2 SULAWESI			DIST (DEG)				
	17	31	07,0	0,7S	122,9E	42KM			LOG _a A/T	AZ	TZ	AN	TN	HEL	AE	TE
	MJZ	EP	Z	17	41	19										
	KRP	EP	Z	17	41	25										
	MNG	EP	Z	17	41	28										
	GNZ	EP	Z	17	41	49										
MAR 23	H M S			EPICENTRE			DEPTH	MAG	5,1 S OF FIJI			DIST (DEG)				
	02	07	52,6	24,8S	179,8E	590KM			LOG _a A/T <th>AZ</th> <th>TZ</th> <th>AN</th> <th>TN</th> <th>HEL</th> <th>AE</th> <th>TE</th> <th>MAG</th>	AZ	TZ	AN	TN	HEL	AE	TE
	KRP	EP	Z	02	10	45		=1,26								
	ES	E		13	20											
	GNZ	EP	Z	02	10	50		=1,17								
	ES	ZNE		13	15											
	MNG	EP	Z	02	11	08										
	ES	Z		13	33											
MAR 23	H M S			EPICENTRE			DEPTH	MAG	5,6 TURKEY			DIST (DEG)				
	21	08	42,6	39,2V	28,9E	12KM			LOG _a A/T <th>AZ</th> <th>TZ</th> <th>AN</th> <th>TN</th> <th>HEL</th> <th>AE</th> <th>TE</th> <th>MAG</th>	AZ	TZ	AN	TN	HEL	AE	TE
	MNW	EPKP	Z	21	28	32										
	MJZ	EPKP	ZNE	21	28	36										
	KRP	EPKP	Z	21	28	44										
	EPKP2	Z				59										
	MNG	E(PKP2)	Z	21	28	59										
MAR 23	H M S			EPICENTRE			DEPTH	MAG	5,0 SOLOMON IS			DIST (DEG)				
	23	01	03,2	6,5S	154,7E	81KM			LOG _a A/T <th>AZ</th> <th>TZ</th> <th>AN</th> <th>TN</th> <th>HEL</th> <th>AE</th> <th>TE</th> <th>MAG</th>	AZ	TZ	AN	TN	HEL	AE	TE
	KRP	EP	Z	23	08	05										
	MNG	EP	Z	23	08	23										
MAR 24	H M S			EPICENTRE			DEPTH	MAG	4,7 TONGA			DIST (DEG)				
	00	54	17,5	19,4S	175,7W	205KM			LOG _a A/T <th>AZ</th> <th>TZ</th> <th>AN</th> <th>TN</th> <th>HEL</th> <th>AE</th> <th>TE</th> <th>MAG</th>	AZ	TZ	AN	TN	HEL	AE	TE
	KRP	EP	Z	00	58	37		=1,30								
	ES	E		01	02	13										
	MNG	EP	Z	00	59	00										
	ES	Z		01	02	52										
	MJZ	EP	Z	00	59	47										
MAR 24	H M S			EPICENTRE			DEPTH	MAG	5,0 TURKEY			DIST (DEG)				
	01	59	30,6	39,1V	28,9E	6KM			LOG _a A/T <th>AZ</th> <th>TZ</th> <th>AN</th> <th>TN</th> <th>HEL</th> <th>AE</th> <th>TE</th> <th>MAG</th>	AZ	TZ	AN	TN	HEL	AE	TE
	MJZ	EPKP	Z	02	19	29										
	KRP	EPKP	Z	02	19	49										
	MNG	EPKP	Z	02	19	49										
MAR 24	H M S			EPICENTRE			DEPTH	MAG	5,2 EGYPT			DIST (DEG)				
	11	54	13,5	27,5V	33,8E	21KM			LOG _a A/T <th>AZ</th> <th>TZ</th> <th>AN</th> <th>TN</th> <th>HEL</th> <th>AE</th> <th>TE</th> <th>MAG</th>	AZ	TZ	AN	TN	HEL	AE	TE
	KRP	EPKP	Z	12	13	55										
	MNG	EPKP	Z	12	13	55										
MAR 25	H M S			EPICENTRE			DEPTH	MAG	4,6 KERMADEC REGION			DIST (DEG)				
	07	09	23,3	30,2S	177,3W	40KM			LOG _a A/T <th>AZ</th> <th>TZ</th> <th>AN</th> <th>TN</th> <th>HEL</th> <th>AE</th> <th>TE</th> <th>MAG</th>	AZ	TZ	AN	TN	HEL	AE	TE
	CRZ	EP	ZNE	07	11	42										
	KRP	EP	ZNE	07	11	55										
	GNZ	ES	ZNE	07	13	11										
	MNG	EP	Z	07	12	09										
	ES	Z		14	00											
	EP	Z		18												
	MJZ	EP	ZNE	07	13	17										

MAR 23	H M S			EPICENTRE			DEPTH	MAG	5,4 S OF FIJI			DIST (DEG)				
	13	13	01,4	23,5S	177,8W	291KM			LOG _a A/T <th>AZ</th> <th>TZ</th> <th>AN</th> <th>TN</th> <th>HEL</th> <th>AE</th> <th>TE</th> <th>MAG</th>	AZ	TZ	AN	TN	HEL	AE	TE
	GNZ	EP	Z	13	16	19,3										
	I		ZNE	19	02											
	ES	Z		24,8												
	KRP	EP	ZNE	13	16	24			0,03							6,3
	ES	Z		19	12											
	MNG	EP	Z	13	16	45										
	I	Z		46,9												
	ES	Z		19	56											
	CIZ	ES	ZNE	13	21	05										
	MJZ	EP	ZNE	13	17	36										
	ES	Z		21	16											
MAR 25	H M S			EPICENTRE			DEPTH	MAG	5,6 TURKEY			DIST (DEG)				
	13	21	32,4	39,2V	28,4E	23KM			LOG _a A/T <th>AZ</th> <th>TZ</th> <th>AN</th> <th>TN</th> <th>HEL</th> <th>AE</th> <th>TE</th> <th>MAG</th>	AZ	TZ	AN	TN	HEL	AE	TE
	MSZ	EPKP	Z	13	41	00										
	EPKP2	Z		20												
	MJZ	EPKP	Z	13	41	09										
	EPKP2	ZNE		26												
	MNG	EPKP	Z	13	41	26										
	EPKP2	Z		46												
	KRP	EPKP	Z	13	41	32										
	EPKP2	Z		52												
MAR 26	H M S			EPICENTRE			DEPTH	MAG	5,1 SOLOMON IS			DIST (DEG)				
	04	29	09,6	6,4S	154,9E	88KM			LOG _a A/T <th>AZ</th> <th>TZ</th> <th>AN</th> <th>TN</th> <th>HEL</th> <th>AE</th> <th>TE</th> <th>MAG</th>	AZ	TZ	AN	TN	HEL	AE	TE
	KRP	P	ZNE	04	36	08,0			=1,00							
	E*PP	Z		17												
	GNZ	EP	Z	04	36	22			=0,54							6,3
	MNG	EP	Z	04	36	24,8										
	MJZ	EP	Z	04	36	35										
MAR 26	H M S			EPICENTRE			DEPTH	MAG	5,1 S OF FIJI			DIST (DEG)				
	09	24	19,8	24,6S	176,2W	50KM			LOG _a A/T <th>AZ</th> <th>TZ</th> <th>AN</th> <th>TN</th> <th>HEL</th> <th>AE</th> <th>TE</th> <th>MAG</th>	AZ	TZ	AN	TN	HEL	AE	TE
	MNG	EP	Z	09	31	19										
MAR 26	H M S			EPICENTRE			DEPTH	MAG	5,0 LUZON			DIST (DEG)				
	15	27	40,6	16,2V	122,2E	36KM			LOG _a A/T <th>AZ</th> <th>TZ</th> <th>AN</th> <th>TN</th> <th>HEL</th> <th>AE</th> <th>TE</th> <th>MAG</th>	AZ	TZ	AN	TN	HEL	AE	TE
	MJZ	EP	Z	15	39	25										
MAR 26	H M S			EPICENTRE			DEPTH	MAG	4,8 S OF KERMADEC IS			DIST (DEG)				
	17	30	11,4	33,1S	178,9W	47KM			LOG _a A/T <th>AZ</th> <th>TZ</th> <th>AN</th> <th>TN</th> <th>HEL</th> <th>AE</th> <th>TE</th> <th>MAG</th>	AZ	TZ	AN	TN	HEL	AE	TE
	ECZ	EP	Z	17	31	20										
	ES	Z		32	32											
	GNZ	EP	ZNE	17	31	51										
	ES	ZNE		33	00											
	KRP	E	V	17	33	18,5										
	E	Z		23												
	CRZ	P	ZNE	17	31	57,5										
	MNG	EP	Z	17	32	14										
	E	Z		33	45											
	ES	Z		52												
	HEL	ES	ZNE	17	34	09										
	CIZ	EP	ZNE	17	32	54,5										
	ES	ZNE		34	42											
	MJZ	EP	Z	17	33	24										
	EP	Z		34,5												
	ES	ZNE		35	41,5											
	MSZ	EP	Z	17	33	39										

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
MAR 27	03	11	32.8	12.35 157.0E	246KM	4.6 SANTA CRUZ IS	WEL 62
				H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	03 17 11			
	MJZ	P	Z	03 17 30.8			
MAR 27	04	46	26.1	3.94 128.9E	33KM	5.7 N. OF HALMAHERA	WEL 62
				H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	MSZ	EP	Z	04 56 29			
			Z	59 26			
	MJZ	EP	ZNE	04 56 30.8			
			ZNE	59 27			
	KRP	P	ZNE	04 56 34.8			
	MNG	EP	Z	04 56 41			
			Z	59 37			
	WEL	EP	Z	04 56 52			
MAR 27	KRP	EP	Z	06 35 09.5			
MAR 27	MJZ	EP	ZNE	11 06 18.5			
MAR 27	12	41	35.9	4.84 127.9E	32KM	5.1 TALAUD IS	WEL 63
				H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	CRZ	EP7	Z	12 51 25			
			ZNE	39			
	KRP	EP	Z	12 51 28			
			ZNE	13 00 11			
	GNZ	P	ZNE	12 52 04			
			Z	17.9			
			ZNE	13 00 34.5			
	MSZ	P	Z	12 51 47.5			
	MJZ	P	ZNE	12 51 54.0			
			ZNE	52 06			
			ZNE	13 00 19			
	MNG	EP	Z	12 51 98	U		
	WEL	IP	ZNE	12 52 10.0	U	=0.60	6.4
			ZNE	13 00 25			
MAR 28	01	19	43.7	21.85 169.8E	33KM	4.9 LOYALIY IS	WEL 20
				H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	01 24 08.5			
MAR 28	01	48	30.4	38.64 28.4E	9KM	5.0 TURKEY	WEL 154
				H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	MJZ	EPKP	ZNE	02 08 20			
			ZNE	26			
	MSZ	EPKP	Z	02 08 20			
	WEL	EPKP	Z	02 08 22			
			Z	12 18			
			Z	15 11			
	MNG	EPKP	Z	02 08 24			
	CRZ	EPKP	ZN	02 08 27			
	KRP	EPKP	ZNE	02 08 32			
MAR 28	MJZ	EP	ZNE	07 29 30			
MAR 28	09	24	15.8	22.64 142.9E	33KM	5.0 VOLCANO IS	WEL 73
				H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP	EP	ZNE	09 34 35			
	GNZ	EP	Z	09 35 03.5			
	MNG	EP	Z	09 35 06.5			
	MSZ	EP	Z	09 35 13			

DISTANT EARTHQUAKES

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
MAR 28	11	32	18.9	4.34 128.0E	65KM	5.0 N. OF HALMAHERA	WEL 62
				H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	MSZ	EP	Z	11 42 24			
	MJZ	EP	ZNE	11 42 30			
MAR 29	06	08	58.2	3.25 119.3E	40KM	5.5 CELEBES	WEL 62
				H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
			Z	06 18 52			
	MJZ	EP	Z	06 19 15.5			
	KRP	EP	Z	06 19 20			
	MNG	EP	Z	06 19 20			
MAR 29	12	34	03.3	20.95 174.1W	35KM	4.5 TONGA	WEL 22
				H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	GNZ	EP	ZNE	12 38 26			
	KRP	EP	ZNE	12 38 27.5			
	MNG	EP	Z	12 38 51			
			Z	42 44.5			
MAR 30	KRP	EP	Z	07 21 12			
MAR 30	07	55	07.5	4.44 128.0E	70KM	5.4 N. OF HALMAHERA	WEL 62
				H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP	P	ZNE	08 05 20.2	U		
	MNG	EP	Z	08 05 28			
MAR 30	20	56	59.2	4.74 127.6E	117KM	5.1 TALAUD IS	WEL 63
				H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	MSZ	EP	Z	21 07 11			
	MNG	EP	Z	21 07 18			
MAR 31	03	06	31.8	14.85 167.4E	140KM	NEW HEBRIDES	WEL 27
				H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	03 11 57			
	MJZ	EP	Z	03 12 22			
MAR 31	07	15	34.4	27.74 134.0E	33KM	5.0 RED SEA	WEL 145
				H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	MSZ	EPKP	Z	07 35 17			
			Z	38 16			
	MJZ	EPKP	ZNE	07 35 25			
	CRZ	PKP	Z	07 35 28.5			
	WEL	PKP	ZNE	07 35 28.8	DW	19 10	
			Z	38 51			
			ZNE	45 43			
	KRP	EPKP	ZNE	07 35 32			
	ECZ	PKP	Z	07 35 42			
MAR 31	19	25	27.2	38.34 134.6E	417KM	5.9 SEA OF JAPAN	WEL 87
				H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	CRZ	IP	ZNE	19 37 01.9	U		
	KRP	P	ZNE	19 37 18.9	U		
			NE	47 12			
			NE	23.5			
	ECZ	EP	Z	19 37 28			
	WEL	P	ZNE	19 37 33.3	U	0.04	6.9
			Z	40 96			
			ZNE	47 16			
			ZNE	40			

DATE	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
APR 10	14 34 03,9	42,0N 130,9E	595KM	5,6 E, SIBERIA	WEL 92
	KRP P	Z 13 06 04	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG 6,0
APR 10	21 37 04,1	7,4S 105,9E	62KM	5,1 JAVA	WEL 69
	MJZ P	ZNE 22 07 49	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	COB EP	Z 22 07 57			
APR 10	21 37 40,4	25,8N 124,9E	141KM	5,3 TAIWAN	WEL 81
	MSZ EP	Z 22 09 40	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG EP	Z 22 09 41			
APR 11	09 44 35,5	29,5S 176,8W	44KM	4,8 KERMADEC IS	WEL 14
	CRZ EP	ZNE 09 46 50	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG EP	Z 09 47 32			
	COB EP	Z 09 48 05			
	MJZ EP	Z 09 48 34			
APR 11	19 26 48,2	29,5S 176,8W	43KM	4,7 KERMADEC IS	WEL 14
	CRZ EP	ZNE 19 29 23	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	GNZ S	NE 19 30 59			
	MNG EP	Z 19 29 46			
	ES	Z 31 58			
	MJZ EP	ZNE 19 30 50			
APR 12	09 05 49,6	4,9S 151,5E	134KM	5,1 NEW BRITAIN	WEL 42
	KRP P	ZNE 09 13 07	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG P	Z 09 13 24			
	MSZ P	Z 09 13 31			
	MNW EP	Z 09 13 36			
APR 12	10 45 16,9	10,2N 126,3E	11KM	5,3 PHILIPPINES	WEL 68
	CRZ EP	Z 10 55 59	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP P	ZNE 10 56 09			
	MSZ P	Z 10 56 09			
	MNW EP	Z 10 56 10			
	MJZ P	ZNE 10 56 13	D		
	MNG P	Z 10 56 19			
	GNZ P	ZNE 10 56 32			
APR 13	07 14 26,4	17,3S 179,3W	616KM	4,3 FIJI REGION	WEL 24
	KRP P	Z 07 18 11	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	S	E 21 52			
	GNZ EP	Z 07 18 30			
APR 13	07 33 49,4	20,9S 178,8W	579KM	4,3 FIJI REGION	WEL 21
	KRP P	Z 07 37 23	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MJZ EP	Z 07 38 26			
	MNW P	Z 07 38 48			

DATE	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
APR 13	13 06 50,8	17,7S 173,1W	33KM	4,7 TONGA	WEL 26
	ONE P	E 13 11 40	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	GNZ EP	ZNE 13 11 47			
	ES	NE 13 46			
	KRP P	ZNE 13 11 49			
	GNZ EP	Z 13 12 01			
	MJZ EP	ZNE 13 13 03			
	MNW EP	Z 13 13 26			
APR 13	13 12 37,1	29,3N 129,9E	41KM	5,0 RYUKYU IS	WEL 82
	KRP P	Z 13 24 42	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	ECZ EP	Z 13 24 46			
	GNZ EP	Z 13 24 46			
APR 13	15 13 37,5	15,0S 167,5E	122KM	NEW HEBRIDES	WEL 27
	KRP P	Z 15 18 43	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG 5,4
APR 13	23 33 15,4	6,1S 129,9E	192KM	5,9 BANDA SEA	WEL 53
	CRZ P	ZNE 23 41 46	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MJZ EP	ZNE 23 42 10			
	S	NE 49 19			
	ROX ES	NE 23 49 19			
	ELQ	NE 54			
	KRP P	ZNE 23 42 13	UE		
	ES	NE 49 26			
	WEL P	ZNE 23 42 16	U		
	ES	NE 49 31			
	N	55			
	MNG EP	Z 23 42 18			
	CIZ P	ZNE 23 43 09			
APR 14	07 00 01,7	5,2S 104,3E	102KM	5,7 S, SUMATRA	WEL 72
	MNW P	Z 07 10 51	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG 6,2
	MJZ P	ZNE 07 11 00			
	WEL P	Z 07 11 15			
	KRP P	Z 07 11 18			
	MNG EP	Z 07 11 19			
	GNZ EP	Z 07 11 28			
APR 13	20 06 22,6	22,2S 169,7E	33KM	LOYALTY IS	WEL 20
	MNG EP	Z 20 10 36	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
APR 13	22 15 09,6	5,9S 113,2E	575KM	5,6 JAVA SEA	WEL 65
	MNW IP	Z 22 24 32	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG 5,7
	MJZ P	Z 22 24 39			
	WEL EP	Z 22 24 53			
	KRP EP	Z 22 24 53			
	MNG P	Z 22 24 54			
APR 16	01 16 59,6	3,6S 191,2E	33KM	4,9 NEW IRELAND	WEL 43
	KRP EP	Z 01 24 49	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG

MNG EP		Z	01 24 57								
H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)							
01 22 47,5	3,5S 151,0E	39KM	5,7 NEW IRELAND	WEL 43	AN TN	AE TE	MAG				
KRP EP	ZNE 01 30 28										
WEL EP	Z 01 30 48		-0,02								
ELQ	NE 37 07										
ELR	NE 41										
MJZ EP	Z 01 30 52			133 52	68 30	74 30	4,8				
MNW EP	Z 01 31 00										
ROX EP	Z 01 31 04										
ELQ	NE 37 38										
ELR	NE 44										
	Z 46			37 20	49 26	39 24					
APR 16		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)					
		12 19 40,1	13,6S 166,9E	133KM	5,7 NEW HEBRIDES	WEL 28	AN TN	AE TE	MAG		
KRP EP	Z	12 24 54									
MNG EP	Z	12 25 16									
MJZ EP	Z	12 25 41									
E	Z	28 36									
MNW EP	Z	12 25 53									
APR 16		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)					
		12 20 08,8	13,5S 166,3E	137KM	5,6 NEW HEBRIDES	WEL 29	AN TN	AE TE	MAG		
CRZ E(P)	Z	12 24 42									
KRP E(P)	Z	12 25 21									
MNG E(P)	Z	12 25 44									
COB P	Z	12 25 44									
MJZ P	ZNE	12 26 10									
MNW EP	Z	12 26 21									
APR 16		KRP P	Z	12 31 53							
		CNZ EP	Z	12 31 57							
		MNG P	Z	12 31 59							
		COB P	Z	12 31 59							
		MJZ P	Z	12 32 09							
APR 16		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)					
		22 55 37,2	35,3N 27,9E	25KM	5,2 DODECANESE IS	WEL 153	AN TN	AE TE	MAG		
MSZ EPKP	Z	23 15 29									
COB EPKP	Z	23 15 33									
E	Z	39									
APR 16		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)					
		23 21 04,9	35,3N 27,8E	45KM	5,2 DODECANESE IS	WEL 153	AN TN	AE TE	MAG		
MSZ EPKP	Z	23 40 53									
E	Z	41 02									
COB EPKP	Z	23 40 59									
E	Z	41 07									
APR 17		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)					
		17 37 22,4	28,3S 68,8W	82KM	5,0 ARGENTINA	WEL 81	AN TN	AE TE	MAG		
MJZ EP	Z	17 50 16									
COB EP	Z	17 50 17									
KRP P	Z	17 50 19									
MSZ EP	Z	17 50 19									

APR 15		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)					
		12 32 03,4	4,5S 132,7E	33KM	5,5 WEST IRIAN	WEL 52	AN TN	AE TE	MAG		
COB P	Z	12 41 04									
MSZ EP	Z	12 41 04									
MJZ P	Z	12 41 07									
MNG EP	Z	12 41 14									
I	Z	25									
ES	Z	48 38									
KRP EP	Z	12 41 22									
WEL EP	Z	12 41 23									
APR 15		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)					
		16 38 16,0	1,1N 126,1E	78KM	4,6 HOLLUCAS	WEL 61	AN TN	AE TE	MAG		
MSZ EP	Z	16 48 08									
MJZ EP	Z	16 48 15									
APR 15		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)					
		06 08 02,6	17,7S 178,7W	605KM	4,7 FIJI REGION	WEL 24	AN TN	AE TE	MAG		
CRZ P	ZN	06 11 45									
GBZ P	Z	06 11 49									
ONE EP	Z	06 11 51									
KRP P	Z	06 12 04									
MNG EP	Z	06 12 23									
COB EP	Z	06 12 35									
WEL E(P)	Z	06 12 37									
MSZ EP	Z	06 13 17									
E	Z	33									
MNW P	Z	06 13 27									
APR 15		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)					
		08 16 06,5	29,2N 46,7W	33KM	5,0 N. ATLANTIC RIDGE	WEL 142	AN TN	AE TE	MAG		
MNW EPKP	Z	08 35 43									
MSZ PKP	Z	08 35 44									
APR 15		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)					
		08 45 16,0	6,2S 103,9E	40KM	5,7 S. SUMATRA	WEL 72	AN TN	AE TE	MAG		
MNW EP	Z	08 56 11									
COB EP	Z	08 56 27									
E	Z	49									
KRP EP	Z	08 56 42									
E	Z	57 04									
MNG EP	Z	08 56 50									
APR 15		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)					
		22 07 46,8	25,5N 123,2E	61KM	4,7 TAIWAN	WEL 82	AN TN	AE TE	MAG		
MSZ EP	Z	22 19 34									
MNG EP	Z	22 20 01									
APR 20		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)					
		04 51 34,5	1,6S 136,9E	42KM	5,5 WEST IRIAN	WEL 52	AN TN	AE TE	MAG		
MSZ EP	Z	05 00 37									
MNG EP	Z	05 00 44									
APR 20		H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)					
		20 25 18,2	24,5S 179,9W	374KM	4,5 S. OF FIJI	WEL 17	AN TN	AE TE	MAG		
KRP P	ZNE	20 28 30									

	MNG	ES	E	31 00																		
		EP	Z	20 28 52																		
		I	Z	29 13																		
		S	Z	31 39																		
	WEL	ES	E	20 31 40																		
	COB	P	Z	20 29 04																		
		ES	Z	32 00																		
	MSZ	EP	Z	20 29 49																		
APR 21	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)																
	02 19 07.1	14,14	91,0W	82KM	5,3	CENTRAL AMERICA				WEL	102											
		H M S	DIR		LOG _a /T	AZ	TZ	AN	TN	AE	TE	MAG										
	WEL	ES	E	02 44 06																		
		ELR	ZE	03 06																		
APR 21	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)																
	07 19 27.5	32,24	131,9E	41KM	6,1	KYUSHU				WEL	83											
		H M S	DIR		LOG _a /T	AZ	TZ	AN	TN	AE	TE	MAG										
	KRP	EP	Z	07 31 38																		
	WEL	EP	Z	07 31 48																		
		ES	NE	41 55																		
		(SCS)	E	42 59																		
		ESS	NE	47 24																		
		EL	ZN	08 00																		
	MNG	P	Z	07 31 49																		
	MSZ	EP	Z	07 31 53																		
	ROX	EP	ZN	07 31 56																		
		S	NE	42 23																		
		ESS	N	48 30																		
APR 21	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)																
	14 11 42.9	4,89	153,2E	97KM	5,1	NEW IRELAND				WEL	41											
		H M S	DIR		LOG _a /T	AZ	TZ	AN	TN	AE	TE	MAG										
	KRP	EP	Z	14 19 05																		
	COB	EP	Z	14 19 16																		
	MNG	P	Z	14 19 20																		
	MSZ	P	Z	14 19 30																		
APR 21	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)																
	21 48 39.1	9,29	150,9E	168KM		NEW BRITAIN				WEL	42											
		H M S	DIR		LOG _a /T	AZ	TZ	AN	TN	AE	TE	MAG										
	KRP	EP	Z	21 55 56																		
	COB	EP	Z	21 56 06																		
	MNG	P	Z	21 56 12																		
APR 21	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)																
	22 27 59.5	74,24	9,7E	33KM	5,0	E, OF GREENLAND				WEL	146											
		H M S	DIR		LOG _a /T	AZ	TZ	AN	TN	AE	TE	MAG										
	MNG	EPKP	Z	22 47 08																		
APR 22	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)																
	04 38 03.0	26,75	114,2W	33KM	5,3	NEAR EASTER IS				WEL	59											
		H M S	DIR		LOG _a /T	AZ	TZ	AN	TN	AE	TE	MAG										
	WEL	EP	Z	04 48 04																		
		ES	ZNE	56 17																		
		EL	ZNE	05 05																		
	MSZ	EP	Z	04 48 30																		
APR 22	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)																
	05 31 36.9	24,34	122,9E	30KM	5,1	TAIWAN				WEL	81											
		H M S	DIR		LOG _a /T	AZ	TZ	AN	TN	AE	TE	MAG										
	KRP	EP	Z	06 03 43																		
	GNZ	P	Z	06 03 53																		
APR 22	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)																
	06 31 57.5	26,85	114,1W	33KM	5,6	NEAR EASTER IS				WEL	59											
		H M S	DIR		LOG _a /T	AZ	TZ	AN	TN	AE	TE	MAG										
	MNG	EP	Z	06 41 59																		

	WEL	P	Z	06 42 00																		
		ES	ZNE	50 16																		
		EL	ZNE	59																		
	KRP	EP	Z	06 42 01																		
	MSZ	P	Z	06 42 26																		
	ROX	ES	NE	08 30 54																		
		EL	ZNE	07 02																		
APR 22	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)																
	07 37 51.2	15,45	174,1W	164KM	5,0	TONGA				WEL	29											
		H M S	DIR		LOG _a /T	AZ	TZ	AN	TN	AE	TE	MAG										
	KRP	P	ZNE	07 42 55																		
	GNZ	P	ZNE	07 42 57																		
		ES	NE	47 06																		
		P	Z	07 43 17																		

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
APR 28	17	37	51.4	30.3S 177.8W	49KM	4.9 KERMADEC REGION	WEL 13
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	CRZ	EP	Z	ZNE 18 00 06			
	GNZ	EP	Z	17 59 37			
		ES	Z	ZNE 18 01 32			
	MSZ	EP	Z	18 00 02			
APR 28	19	39	05.5	7.9S 158.8E	77KM	5.7 SOLOMON IS	WEL 36
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	COB	P	Z	19 45 54			
	MNW	P	Z	19 46 21			
		•PP	Z	36			
APR 29		MSZ	EP	Z	03 48 00		
APR 29		KRP	EP	Z	05 00 21		
APR 30	01	08	45.6	9.4S 118.5E	45KM	5.1 FLORES REGION	WEL 39
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	MNQ	EP	Z	01 18 41			
APR 30		COB	EP	Z	20 40 20		
		MJZ	EP	ZN	20 41 28		
APR 30		MJZ	EP	ZE	21 42 09		
MAY 01	02	45	05.0	50.0S 114.3W	33KM	4.9 S. PACIFIC OCEAN	WEL 40
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	HEL	E	Z	03 00 58			
		E	N	03 04			
		EL	Z	07			
MAY 01	03	11	58.3	21.0S 174.6W	33KM	5.0 TONGA	WEL 22
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	03 16 20			
	MNQ	EP	Z	03 16 42			
	COB	EP	Z	03 17 04			
	MJZ	EP	Z	03 17 32			
	MNW	EP	Z	03 17 57			
MAY 01	05	05	55.8	21.4S 174.6W	32KM	5.0 TONGA	WEL 22
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	05 10 11			
	MNQ	EP	Z	05 10 30			
		ES	Z	14 11			
	COB	EP	Z	05 10 55			
	MJZ	EP	Z	05 11 24			
	MNW	EP	Z	05 11 51			
MAY 01	11	52	30.1	5.1N 125.2E	230KM	5.2 HINDANAO	WEL 65
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	COB	EP	Z	12 02 36			
	KRP	P	Z	ZNE 12 02 37			
	MJZ	P	Z	12 02 38			
	MNQ	EP	Z	12 02 44			
	GNZ	EP	Z	12 02 49			

DATE	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
MAY 01	13	18	12.2	18.0S 178.4W	594KM	4.2 FIJI REGION	WEL 24
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	CRZ	EP	Z	13 21 56			
	KRP	EP	Z	13 22 15			
MAY 01	19	05	24.7	16.0S 174.7W	205KM	6.0 TONGA	WEL 27
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	CRZ	EP	Z	19 09 54			
	ONE	P	E	19 10 00			
		ES	E	13 46			
	GNZ	EP	Z	19 10 10			
		ES	ZNE	14 07			
	KRP	P	Z	19 10 11			
		ES	ZNE	14 08			
	TJA	EP	Z	19 10 15			
	GNZ	EP	Z	19 10 19			
		ES	Z	14 31			
	MNQ	EP	Z	19 10 32			
		ES	Z	14 43			
		SOP	Z	17 22			
	HEL	EP	Z	19 10 39			
		ES	Z	14 50			
		ESCS	Z	21 14			
	COB	EP	Z	19 10 46			
		ES	Z	15 04			
	KAI	EP	Z	19 11 01			
	GPZ	EP	V	19 11 10			
	MJZ	EP	Z	19 11 13			
		SCP	Z	17 37			
	MNW	EP	Z	19 11 38			
	WPZ	EP	Z	19 11 40			
MAY 02	05	05	15.5	6.6S 129.6E	133KM	5.3 BANDA SEA	WEL 53
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	MNQ	EP	Z	05 14 22			
MAY 02	18	42	22.3	19.1S 174.6W	33KM	4.7 TONGA	WEL 24
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	GNZ	P	ZNE	18 47 02			
	KRP	EP	ZNE	18 47 03			
	GNZ	EP	Z	18 47 11			
	MNQ	EP	Z	18 47 24			
	COB	EP	Z	18 47 38			
MAY 02		KRP	EP	ZNE	23 10 41		
		GNZ	EP	ZNE	23 10 41		
		CNZ	EP	Z	23 10 54		
		MNQ	EP	Z	23 11 04		
MAY 03	12	33	25.5	23.5S 180.0E	543KM	4.8 S. OF FIJI	WEL 18
				H M S		LOG _a A/T AZ TZ AN TN	AE TE MAG
	KRP	EP	ZNE	12 56 34			
		ES	ZNE	59 14			
	GNZ	EP	ZNE	12 56 36			
		ES	ZNE	59 11			
	CNZ	EP	Z	12 56 45			
		EP	Z	59 33			
	MNQ	EP	Z	12 56 56			
		ES	Z	59 44			
	HEL	EP	Z	12 57 06			
		ES	Z	13 00 04			

MAY 04	CRZ EP	ZNE 01 43 42								
	KRP P	ZNE 01 44 01								
	GNZ EP	Z 01 44 02								
	CNZ EP	Z 01 44 10								
	MNG EP	Z 01 44 20								
	H M S	EPICENTRE	DEPTH	MAG						
MAY 04	03 28 40,2	29,6S 175,9W	71KM	4,9	S, OF TONGA					
	H M S	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MA	DIST (DEG)	
	MNG EP	Z 03 32 19								
	H M S	EPICENTRE	DEPTH	MAG						
MAY 04	07 08 01,4	17,6S 178,9W	578KM	5,0	FIJI REGION					
	H M S	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MA	DIST (DEG)	
	CRZ P	ZNE 07 11 44								
	GBZ P	Z 07 11 49								
	ONE EP	E 07 11 50								
	ECZ EP	Z 07 11 57								
	KRP EP	ZNE 07 12 03								
	GNZ EP	ZNE 07 12 04								
	ES	ZNE 15 24								
	CNZ EP	Z 07 12 11								
	HEL P	ZNE 07 12 31								
	COB EP	Z 07 12 34								
	QPZ EP	V 07 12 58								
	HJZ EP	Z 07 13 02								
	MSZ P	Z 07 13 16								
	ROX EP	Z 07 13 18								
	MNW EP	Z 07 13 26								
	MNG EP	Z 07 12 34								
	H M S	EPICENTRE	DEPTH	MAG						
MAY 04	12 36 33,4	17,4S 168,9E	11KM	5,5	NEW HEBRIDES					
	H M S	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MA	DIST (DEG)	
	KRP EP	ZNE 12 41 21								
	ES	NE 46 03								
	CNZ EP	Z 12 41 37								
	COB EP	Z 12 41 49								
	HEL EP	Z 12 41 51								
	ES	NE 46 03								
	LD	NE 59								
	LR	Z 48 50								
	HJZ EP	ZNE 12 42 15								
	EPSCS	ZNE 45 42								
	ESCS	ZNE 49 24								
	H M S	EPICENTRE	DEPTH	MAG						
MAY 04	15 12 07,6	8,6S 124,4E	94KM	5,1	FLORES REGION					
	H M S	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MA	DIST (DEG)	
	MSZ P	Z 15 21 23								
	EPCCP	Z 22 27								
	MJZ P	ZNE 15 21 32								
	KRP EP	ZNE 15 21 43								
	HEL P	ZNE 15 21 45								
	CNZ EP	Z 15 21 46								
	H M S	EPICENTRE	DEPTH	MAG						
MAY 04	17 18 38,8	0,0N 123,3E	165KM	5,5	SULAWESI					
	H M S	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MA	DIST (DEG)	
	MSZ EP	Z 17 28 26								
	MJZ P	ZNE 17 28 35								
	KRP P	ZNE 17 28 38								
	CNZ EP	Z 17 28 42								
	GNZ EP	ZNE 17 28 51								

MAY 04	H M S	EPICENTRE	DEPTH	MAG						
	17 43 38,9	29,2S 179,1W	319KM	4,2	KERMADEC IS					
	H M S	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MA	DIST (DEG)	
	GNZ EP	ZNE 17 45 52								
	ES	ZNE 47 38								
	KRP EP	ZNE 17 45 58								
	CNZ EP	Z 17 46 08								
	MNG EP	Z 17 46 18								
	HEL EP	ZNE 17 46 30								
	ES	ZNE 48 49								
	H M S	EPICENTRE <th>DEPTH</th> <th>MAG</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	DEPTH	MAG						
MAY 04										
	KRP EP	Z 19 53 48								
	CNZ EP	Z 19 54 04								
	MNG EP	Z 19 54 14								
	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	EPICENTRE	DEPTH	MAG						
MAY 05	01 31 31,4	58,2S 149,3E	33KM		W, OF MACQUARIE I.					
	H M S	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MA	DIST (DEG)	
	MSZ EP	Z 01 35 41								
	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	EPICENTRE	DEPTH	MAG						
MAY 05	02 08 57,2	57,8S 147,6E	33KM	4,9	W, OF MACQUARIE I.					
	H M S	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MA	DIST (DEG)	
	MNW EP	Z 02 12 57								
	MSZ EP	Z 02 12 58								
	HJZ EP	ZNE 02 13 26								
	ROX ES	ZNE 02 17 18								
	HEL EP	ZNE 02 14 08								
	ES	ZNE 18 21								
	PCS	ZB 21 37								
	MNG EP	Z 02 14 14								
	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	EPICENTRE	DEPTH	MAG						
MAY 05	05 17 16,6	58,1S 148,4E	33KM	4,9	W, OF MACQUARIE I.					
	H M S	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MA	DIST (DEG)	
	MNW EP	Z 05 21 14								
	MSZ EP	Z 05 21 26								
	HJZ EP	ZN 05 21 44								
	HEL EP	Z 05 22 27								
	ES	ZE 26 57								
	PCS	ZN 29 50								
	MNG EP	Z 05 22 35								
	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	EPICENTRE	DEPTH	MAG						
MAY 05	13 52 39,6	30,8S 71,8W	38KM	5,5	CHILE					
	H M S	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MA	DIST (DEG)	
	MNG EP	Z 14 05 16								
	HEL EP	Z 14 05 20								
	HJZ EP	ZN 14 05 21								
	COB EP	Z 14 05 23								
	KRP EP	ZNE 14 05 24								
	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	EPICENTRE	DEPTH	MAG						
MAY 05	14 15 16,9	44,2S 141,4E	25KM		S, OF AUSTRALIA					
	H M S	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MA	DIST (DEG)	
	MSZ EP	Z 14 19 37								
	HJZ EP	ZNE 14 19 57								
	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	EPICENTRE	DEPTH	MAG						
MAY 05	22 59 16,0	18,0S 168,3E	52KM		NEW HEBRIDES					
	H M S	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MA	DIST (DEG)	
	KRP EP	Z 23 04 59								
	MNG EP	Z 23 05 21								

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
MAY 07	08	52	50,8	12,1N 124,6E	134KM	5,2 CENTRAL PHILIPPINES	WEL 70
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MSZ	EP	Z	09 03 41			
	COB	EP	Z	09 03 43			
	MNG	EP	Z	09 03 51			
	KRP	EP	Z	09 04 14			
MAY 07	09	21	18,2	31,2S 179,2W	198KM	4,9 KERMADEC IS	WEL 11
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	GNZ	EP	ZNE	09 23 03			
		ES	ZNE	24 33			
	KRP	EP	Z	09 23 17			
	WEL	EP	ZNE	09 23 27			
		ES	ZNE	25 47			
MAY 07	22	17	33,4	5,2S 152,7E	54KM	5,1 NEW BRITAIN	WEL 41
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	22 24 49			
	MSZ	EP	Z	22 25 20			
MAY 08	00	22	58,1	20,4S 168,4E	83KM	4,3 LOYALTY IS	WEL 22
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	00 27 07			
	MNG	EP	Z	00 27 20			
	COB	EP	Z	00 27 47			
MAY 08	01	50	02,7	13,3N 144,9E	51KM	5,1 MARIANA IS	WEL 01
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	01 59 55			
	COB	EP	Z	02 00 04			
	MNG	EP	Z	02 00 08			
	WEL	EP	Z	02 00 10			
	MSZ	EP	Z	02 00 14			
MAY 08	22	37	16,8	9,6S 146,2E	76KM	5,1 NEW GUINEA	WEL 44
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	P	ZNE	22 45 03			
	COB	P	Z	22 45 09			
	MSZ	P	Z	22 45 14			
	MNG	IP	Z	22 45 17,0 U			
	MNH	EP	Z	22 45 20			
MAY 10	12	06	27,3	28,1S 178,1W	196KM	4,7 KERMADEC IS	WEL 14
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	CRZ	EP	ZNE	12 08 50			
	GNZ	EP	ZNE	12 08 50			
	KRP	EP	ZNE	10 50			
		ES	ZNE	12 08 57			
		ES	NE	11 08			
	MNG	EP	Z	12 09 20			
		ES	Z	11 39			
	WEL	EP	Z	12 09 34			
		ES	ZNE	12 03			
MAY 10	20	05	30,7	27,8S 177,0W	34KM	4,7 KERMADEC IS	WEL 15
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	CRZ	E(P)	ZNE	20 08 16			
	GNZ	ES	ZNE	20 10 13			
	MNG	EP	Z	20 08 43			

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	WEL	EP	Z	11 11			
		S	Z	20 08 57			
		S	ZNE	11 32			
	GIZ	EP	ZN	20 09 12			
		S	ZNE	11 55			
MAY 11	00	39	11,7	30,4S 177,9W	35KM	4,7 KERMADEC REGION	WEL 12
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	CRZ	P	Z	00 41 26			
	GNZ	ES	ZNE	00 42 56			
	WEL	ES	ZNE	00 44 14			
MAY 11	12	10	04,9	17,8N 145,9E	135KM	4,9 MARIANA IS	WEL 65
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MNG	EP	Z	12 20 26			
	MSZ	EP	Z	12 20 31			
MAY 11	13	09	42,5	56,3S 25,7W	35KM	5,4 SOUTH SANDWICH IS	WEL 81
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MSZ	EP	Z	13 21 42			
MAY 11	14	17	11,9	21,8S 175,1W	33KM	5,1 TONGA	WEL 21
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	CRZ	EP	ZN	14 21 04			
	KRP	EP	Z	14 21 22			
	MNG	EP	Z	14 21 46			
		ES	Z	25 15			
	MJZ	EP	ZNE	14 22 39			
	MSZ	P	Z	14 22 50			
MAY 12	01	31	03,1	57,7S 25,3W	52KM	4,6 SOUTH SANDWICH IS	WEL 80
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	MSZ	EP	Z	01 42 33			
	KRP	EP	Z	01 43 23			
MAY 12	07	25	16,4	16,0S 175,1W	302KM	4,6 TONGA	WEL 27
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	ECZ	EP	Z	07 29 10			
	CRZ	EP	Z	07 29 43			
	GNZ	EP	ZNE	07 29 59			
	KRP	P	ZNE	07 30 00			
	MNG	EP	Z	07 30 20			
	COB	EP	Z	07 30 31			
	MSZ	EP	Z	07 31 15			
MAY 12	19	15	48,3	21,7S 175,7W	240KM	5,0 TONGA	WEL 21
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	GNZ	ES	ZNE	19 22 33			
	MNG	ES	Z	19 23 25			
MAY 13							
	KRP	P	ZNE	03 06 18			
MAY 13	09	45	13,1	15,3S 167,6E	123KM	5,3 NEW HEBRIDES	WEL 27
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	KRP	P	ZN	09 50 14			
MAY 13	14	30	19,6	7,2S 120,9E	616KM	5,6 FLORES	WEL 58
				H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
	CRZ	P	ZNE	14 38 55			

MAY 21	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	02 56 49,2	11,7N 125,8E	26KM	5,2 CENTRAL PHILIPPINES	WEL 69
		H M S	DIR	LOG _W /T	AZ TZ AN TN AE TE MAG
KRP	EP	ZN 03 07 50			
MJZ	EP	ZNE 03 07 53			
MNW	EP	Z 03 07 54			
CNZ	EP	Z 03 07 55			
MNG	EP	Z 03 07 59			
MAY 21	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	15 02 29,6	16,5S 173,2W	25KM	4,5 TONGA	WEL 27
		H M S	DIR	LOG _W /T	AZ TZ AN TN AE TE MAG
GNZ	EP	ZNE 15 07 36			
KRP	EP	ZN 15 07 38			
MNG	EP	Z 15 07 57			
COB	EP	Z 15 08 11			
MAY 21	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	17 05 03,4	4,6S 153,2E	65KM	5,1 NEW IRELAND	WEL 41
		H M S	DIR	LOG _W /T	AZ TZ AN TN AE TE MAG
MNG	P	Z 17 12 24			
	(PCP)	Z 14 45			
KRP	EP	ZNE 17 12 25			
COB	P	Z 17 12 37			
	POP	Z 14 41			
MJZ	P	ZNE 17 12 50			
	PCP	Z 14 54			
MNW	P	Z 17 12 57			
MAY 22	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	12 21 24,0	23,5S 179,9W	589KM	4,3 S, OF FIJI	WEL 18
		H M S	DIR	LOG _W /T	AZ TZ AN TN AE TE MAG
KRP	P	ZNE 12 24 35			
TNZ	EP	Z 12 24 47			
MNG	P	Z 12 24 52			
	S	Z 27 47			
COB	EP	Z 12 25 05			
	ES	Z 28 07			
MNW	EP	Z 12 25 58			
MAY 22	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	22 30 29,8	5,7S 103,2E	68KM	5,4 S, SUMATRA	WEL 72
		H M S	DIR	LOG _W /T	AZ TZ AN TN AE TE MAG
MNG	EP	Z 22 41 51			
MAY 23	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	21 54 21,5	14,6S 167,4E	177KM	4,7 NEW HEBRIDES	WEL 27
		H M S	DIR	LOG _W /T	AZ TZ AN TN AE TE MAG
KRP	EP	Z 21 59 25			
MNG	EP	Z 21 59 44			
MAY 23	KRP	EP	Z 23 42 23		
GNZ	EP	Z 23 42 36			
MNG	EP	Z 23 42 49			
MAY 24	KRP	EP	Z 06 18 51		
MAY 24	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	10 25 40,7	29,6S 178,9W	294KM	3,9 KERMADEC REGION	WEL 15
		H M S	DIR	LOG _W /T	AZ TZ AN TN AE TE MAG
ONE	P	E 10 27 47			
GNZ	EP	ZNE 10 27 52			
	ES	ZNE 29 35			
KRP	EP	Z 10 27 56			
	ES	ZNE 29 49			
MNG	EP	Z 10 28 21			
	E	Z 23			

MAY 21	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	13 14 59,7	3,7S 102,7W	33KM	4,3 E, PACIFIC OCEAN	WEL 82
		H M S	DIR	LOG _W /T	AZ TZ AN TN AE TE MAG
MNG	EP	Z 13 28 49			
MAY 24	H M S	EPICENTRE	DEPTH <td>MAG</td> <td>DIST (DEG)</td>	MAG	DIST (DEG)
	16 27 39,4	10,1S 161,3E	96KM	5,2 SOLOMON IS	WEL 33
		H M S	DIR	LOG _W /T	AZ TZ AN TN AE TE MAG
GNZ	EP	Z 16 33 57			
MNG	EP	Z 16 34 03			
COB	EP	Z 16 34 21			
MJZ	EP	ZNE 16 34 23			
MAY 25	H M S	EPICENTRE	DEPTH <td>MAG</td> <td>DIST (DEG)</td>	MAG	DIST (DEG)
	02 05 24,2	4,7S 151,4E	155KM	4,5 NEW BRITAIN	WEL 42
		H M S	DIR	LOG _W /T	AZ TZ AN TN AE TE MAG
MNG	EP	Z 02 13 46			
MAY 25	H M S	EPICENTRE	DEPTH <td>MAG</td> <td>DIST (DEG)</td>	MAG	DIST (DEG)
	09 57 22,9	17,8S 167,6E	34KM	NEW HEBRIDES	WEL 24
		H M S	DIR	LOG _W /T	AZ TZ AN TN AE TE MAG
KRP	EP	Z 10 02 11			
MNG	EP	Z 10 02 32			
MAY 25	H M S	EPICENTRE	DEPTH <td>MAG</td> <td>DIST (DEG)</td>	MAG	DIST (DEG)
	20 18 30,0	32,0S 178,9W	70KM	5,4 S, OF KERMADEC IS	WEL 11
		H M S	DIR	LOG _W /T	AZ TZ AN TN AE TE MAG
ONE	EP	E 20 20 12			
TUA	P	Z 20 20 19			
	ES	Z 21 41			
CRZ	EP	ZNE 20 20 23			
	ES	NE 21 47			
MNG	EP	Z 20 20 43			
	S	Z 22 21			
WEL	P	ZNE 20 20 55			
	S	ZNE 22 46			
MJZ	EP	ZNE 20 21 48			
	ES	ZNE 24 19			
	PCS	ZNE 30 29			
MAY 25	H M S	EPICENTRE	DEPTH <td>MAG</td> <td>DIST (DEG)</td>	MAG	DIST (DEG)
	22 30 43,0	57,7S 25,2W	33KM	5,6 SOUTH SANDWICH IS	WEL 80
		H M S	DIR	LOG _W /T	AZ TZ AN TN AE TE MAG
MNW	EP	Z 22 42 30			
MJZ	EP	ZNE 22 42 38			
COB	EP	Z 22 42 49			
MNG	P	Z 22 42 53			
KRP	P	ZNE 22 43 06			
MAY 26	H M S	EPICENTRE	DEPTH <td>MAG</td> <td>DIST (DEG)</td>	MAG	DIST (DEG)
	01 25 28,3	7,0S 129,6E	115KM	5,5 BANDA SEA	WEL 53
		H M S	DIR	LOG _W /T	AZ TZ AN TN AE TE MAG
COB	E(P)	Z 01 34 22			
MJZ	EP	ZE 01 34 22			
KRP	P	Z 01 34 27			
MNG	P	Z 01 34 33			
MAY 26	H M S	EPICENTRE	DEPTH <td>MAG</td> <td>DIST (DEG)</td>	MAG	DIST (DEG)
	15 37 16,8	11,8N 125,8E	14KM	5,2 CENTRAL PHILIPPINES	WEL 69
		H M S	DIR	LOG _W /T	AZ TZ AN TN AE TE MAG
COB	EP	Z 15 48 19			
KRP	EP	ZNE 15 48 19			
MNW	EP	Z 15 48 20			
MJZ	EP	ZNE 15 48 22			

MNG EP	Z	15 48 26	WEL EP	ZNE 15-48 27	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
MAY 26	16 39 38,3	11,8V	125,7E	33KM	5,2	CENTRAL PHILIPPINES	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
MAY 27	04 34 32,9	10,7S	161,8E	41KM	4,8	SOLOMON IS	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
MAY 27	09 27 03,8	0,2S	125,0E	33KM	5,3	MOLUCCA SEA	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
MAY 27	12 18 45,6	59,9S	26,5W	19KM	5,1	SOUTH SANDWICH IS	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
MAY 27	15 01 21,9	10,7S	164,4E	8KM	5,2	SANTA CRUZ IS	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
MAY 27	16 29 30,5	8,8S	124,1E	30KM	5,3	TIMOR	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
MAY 28	01 25 13,0	18,0S	169,2E	212KM	4,1	NEW HEBRIDES	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
MAY 28	03 41 01,8	11,8V	125,8E	6KM	5,3	CENTRAL PHILIPPINES	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
MAY 28	13 08 10,0	10,9S	118,4E	17KM	5,5	FLORES REGION	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
MAY 29	00 00 34,2	6,9S	146,3E	130KM	4,9	EAST NEW GUINEA	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG

MNG P	Z	00 08 16	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
MAY 29	07 17 26,8	15,0S	173,3W	33KM	4,9	TONGA	LOG ₁₀ A/T AZ TZ AN TN AE TE MAG
MAY 29	10 22 38,0	20,3S	177,7W	510KM	4,6	FIJI REGION	LOG ₁₀ A/T AZ TZ AN TN AE TE MAG
MAY 29	11 22 35,0	20,2S	177,7W	501KM	4,5	FIJI REGION	LOG ₁₀ A/T AZ TZ AN TN AE TE MAG
MAY 29	16 17 35,1	29,4S	178,8W	306KM	4,4	KERMADEC REGION	LOG ₁₀ A/T AZ TZ AN TN AE TE MAG
MAY 29	16 52 32,1	19,9S	174,7W	33KM	4,9	TONGA	LOG ₁₀ A/T AZ TZ AN TN AE TE MAG
MAY 30	03 36 37,8	9,7S	118,7E	7KM	5,1	FLORES REGION	LOG ₁₀ A/T AZ TZ AN TN AE TE MAG

MAY 30	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
		H M S	DIR	LOG _a A/T AZ TZ AN TN	WEL 26 AE TE MAG
	09 53 24,2	16,1S 168,1E	184KM	4,7 NEW HEBRIDES	
KRP	P	Z 09 58 12			
CNZ	P	Z 09 58 24			
MNG	P	Z 09 58 34			
MAY 30	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
		H M S	DIR	LOG _a A/T AZ TZ AN TN	WEL 21 AE TE MAG
	15 16 10,6	21,1S 178,8W	583KM	4,8 FIJI REGION	
CRZ	P	ZN 15 19 24			
GBZ	P	Z 15 19 28			
ONE	EP	E 15 19 29			
KRP	P	ZNE 15 19 41			
GNZ	EP	ZNE 15 19 43			
CNZ	P	Z 15 19 50			
COB	P	Z 15 20 12			
MNW	P	Z 15 21 07			
MAY 30	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
		H M S	DIR	LOG _a A/T AZ TZ AN TN	WEL 29 AE TE MAG
	15 38 55,0	12,7S 168,9E	692KM	4,2 SANTA CRUZ IS	
KRP	P	Z 15 43 39			
CNZ	P	Z 15 43 49			
MNG	P	Z 15 43 59			
MAY 30	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
		H M S	DIR	LOG _a A/T AZ TZ AN TN	WEL 11 AE TE MAG
	15 55 37,1	32,2S 178,1W	34KM	5,2 S, OF KERMADEC IS	
ECZ	EP	Z 15 57 09			
CRZ	EP	ZNE 15 57 39			
MNG	P	Z 15 57 53			
		Z 15 59 35			
CIZ	EP	ZNE 15 58 20			
		ZNE 16 00 20			
MNW	EP	Z 15 59 37			
		Z 16 02 40			
MAY 30	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
		H M S	DIR	LOG _a A/T AZ TZ AN TN	WEL 11 AE TE MAG
	16 22 47,8	32,3S 178,1W	33KM	5,5 S, OF KERMADEC IS	
ECZ	EP	Z 16 24 18			
CRZ	EP	ZNE 16 24 50			
WEL	EP	ZNE 16 25 20			
		ZNE 27 07			
MNW	P	Z 16 26 45			
		Z 29 50			
CIZ	EP	ZNE 16 25 31			
		ZNE 27 32			
MAY 30	MNG	ES	Z 17 33 27		
	COB	ES	Z 17 34 10		
MAY 30	MNG	ES	Z 17 37 25		
	COB	ES	Z 17 38 13		
MAY 30	MNG	E	Z 23 26 33		
	ES	Z	Z 23 26 49		
MAY 30	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
		H M S	DIR	LOG _a A/T AZ TZ AN TN	WEL 11 AE TE MAG
	23 33 23,1	32,0S 178,5W	33KM	4,7 S, OF KERMADEC IS	
KRP	EP	ZNE 23 35 15			
	ES	VE 36 36			
CRZ	EP	ZNE 23 35 24			
MNG	EP	Z 23 35 39			
	ES	Z 37 25			

MAY 31	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
		H M S	DIR	LOG _a A/T AZ TZ AN TN	WEL 11 AE TE MAG
	00 04 56,4	31,6S 178,2W	32KM	4,8 KERMADEC IS	
KRP	EP	ZNE 00 06 46			
CRZ	EP	ZNE 00 06 56			
MNG	P	Z 00 07 13			
		Z 00 08 52			
MNW	EP	Z 00 08 56			
MAY 31	H M S	EPICENTRE	DEPTH <th>MAG</th> <th>DIST (DEG)</th>	MAG	DIST (DEG)
		H M S	DIR	LOG _a A/T AZ TZ AN TN	WEL 38 AE TE MAG
	02 56 11,8	7,5S 155,6E	104KM	4,9 SOLOMON IS	
MNG	EP	Z 03 03 19			
MAY 31	KRP	EP	Z 10 14 40		
MAY 31	H M S	EPICENTRE	DEPTH <th>MAG</th> <th>DIST (DEG)</th>	MAG	DIST (DEG)
		H M S	DIR	LOG _a A/T AZ TZ AN TN	WEL 27 AE TE MAG
	22 39 19,5	16,0S 173,0W	33KM	4,5 TONGA	
GNZ	EP	Z 22 14 32			
KRP	P	ZNE 22 14 33			
COB	EP	Z 22 15 08			
MSZ	EP	Z 22 15 53			
MNW	EP	Z 22 16 02			
MAY 31	H M S	EPICENTRE	DEPTH <th>MAG</th> <th>DIST (DEG)</th>	MAG	DIST (DEG)
		H M S	DIR	LOG _a A/T AZ TZ AN TN	WEL 22 AE TE MAG
	22 18 32,4	19,3S 169,1E	161KM	4,6 NEW HEBRIDES	
KRP	EP	Z 22 23 09			
COB	EP	Z 22 23 37			
MAY 31	H M S	EPICENTRE	DEPTH <th>MAG</th> <th>DIST (DEG)</th>	MAG	DIST (DEG)
		H M S	DIR	LOG _a A/T AZ TZ AN TN	WEL 27 AE TE MAG
	22 24 32,0	16,0S 172,9W	15KM	5,2 SAMOA REGION	
GNZ	EP	ZNE 22 29 48			
KRP	EP	ZNE 22 29 49			
COB	EP	Z 22 30 21			
MSZ	EP	Z 22 31 08			
MNW	EP	Z 22 31 19			
MAY 31	H M S	EPICENTRE	DEPTH <th>MAG</th> <th>DIST (DEG)</th>	MAG	DIST (DEG)
		H M S	DIR	LOG _a A/T AZ TZ AN TN	WEL 41 AE TE MAG
	23 56 21,6	4,9S 154,2E	403KM	5,5 SOLOMON IS	
KRP	EIP	ZNE 24 03 06,7 DNW			
	I	ZE 16,1 UW			
	PCP	Z 05 11			
	SCP	Z 08 22			
	SCS	VE 12 35			
COB	P	Z 24 03 18			
	PCP	Z 05 14			
GNZ	EIP	ZNE 24 03 20,5 D			
	EPCP	Z 05 12			
	ES	ZNE 08 33			
MSZ	EIP	Z 24 03 31,9 D			
	EPCP	Z 05 20			
MNW	P	Z 24 03 39			
MAY 01	H M S	EPICENTRE	DEPTH <th>MAG</th> <th>DIST (DEG)</th>	MAG	DIST (DEG)
		H M S	DIR	LOG _a A/T AZ TZ AN TN	WEL 11 AE TE MAG
	01 47 02,2	32,3S 178,2W	173KM	4,4 S, OF KERMADEC IS	
KRP	EP	Z 01 48 43			
GNZ	EP	ZNE 01 48 32			
	S	ZNE 49 51			
CNZ	P	Z 01 48 58			

JUN 08	H M S	EPICENTRE			DEPTH	MAG	DIST (DEG)		
		H M S	LOG ₁₀ A/T	AZ TZ AN TN			WEL	AE TE MAG	
	21 40 13.4	25.35	179.0W	412KM	5.0 S, OF FIJI				
CRZ	P	NE	21 42 31						
		NE	21 43 38						
ONE	EP	E	21 42 55						
ECZ	P	Z	21 43 01						
	(S)	Z	45 17						
AUC	P	Z	21 43 02						
GNZ	P	ZNE	21 43 08						
	S	ZNE	45 33						
TUA	EP	Z	21 43 12						
	S	Z	45 46						
TRZ	EP	Z	21 43 20						
	S	Z	46 01						
	PCP	Z	44						
CNZ	P	Z	21 43 21						
MNG	P	Z	21 43 33		U				
	*SP	Z	44 56						
	S	Z	46 21						
HEL	EP	ZNE	21 43 44						
	S	ZNE	46 33						
	PCP	ZNE	47 28						
COB	P	Z	21 43 46						
	E	Z	46 44						
	S	Z	53						
KAI	ES	X	21 47 11						
QPZ	EP	N	21 44 10						
	S	N	47 26						
	PCP	N	44						
MJZ	EP	Z	21 44 19						
	ES	Z	47 52						
JUN 09	H M S	EPICENTRE			DEPTH	MAG	DIST (DEG)		
	06 51 10.1	3.25	142.9E	17KM			5.2 BISMARCK SEA		
		H M S	LOG ₁₀ A/T	AZ TZ AN TN					
COB	P	Z	06 59 33						
	(*PP)	Z	38						
KRP	P	ZNE	06 59 38		=0.62				6.3
	(*PP)	Z	43						
MNG	P	Z	06 59 50		U				
	(*PP)	Z	55						
MJZ	P	ZNE	06 59 50						
	(*PP?)	ZNE	55						
	(PCP)	Z	07 01 27						
JUN 09	H M S	EPICENTRE			DEPTH	MAG	DIST (DEG)		
	21 53 01.8	23.55	175.0W	33KM			5.5 TONGA REGION		
		H M S	LOG ₁₀ A/T	AZ TZ AN TN					
GNZ	EP	ZNE	21 56 44						
	S	ZNE	59 34						
HEL	EP	ZNE	21 57 24		=0.46				5.7
	S	ZNE	22 00 50						
	E	ZNE	01 00						
COB	EP	Z	21 57 34						
	ES	Z	22 01 06						
MJZ	EP	ZNE	21 58 13						
	ES	ZNE	22 02 26						
JUN 10	H M S	EPICENTRE			DEPTH	MAG	DIST (DEG)		
	17 15 29.4	13.24	121.4E	37KM			5.4 CENTRAL PHILIPPINES		
		H M S	LOG ₁₀ A/T	AZ TZ AN TN					
MJZ	P	ZNE	17 26 52						
	PCP	ZNE	56						
KRP	EP	ZNE	17 26 54						
CNZ	EP	Z	17 26 54						
	PCP	Z	58						

JUN 11	H M S	EPICENTRE			DEPTH	MAG	DIST (DEG)		
		H M S	LOG ₁₀ A/T	AZ TZ AN TN			WEL	AE TE MAG	
	04 48 20.3	2.14	98.8E	53KM	5.3 N, SUMATRA				
COB	EP	Z	05 00 18						
	MNG	EP	Z	05 30 23					
JUN 11	H M S	EPICENTRE			DEPTH	MAG	DIST (DEG)		
	04 49 38	2.04	49.3E	53KM			4.7 CERAM		
KRP	EP	ZNE	04 49 44						
COB	EP	Z	04 50 20						
MJZ	EP	ZNE	04 50 32						
JUN 11	H M S	EPICENTRE			DEPTH	MAG	DIST (DEG)		
	05 44 36.3	2.95	129.2E	53KM			4.7 CERAM		
		H M S	LOG ₁₀ A/T	AZ TZ AN TN					
MJZ	EP	Z	05 33 37						
	MNG	EP	Z	05 33 42					
JUN 11	H M S	EPICENTRE			DEPTH	MAG	DIST (DEG)		
	15 11 17.4	27.44	139.9E	500KM			4.8 BONIN IS		
		H M S	LOG ₁₀ A/T	AZ TZ AN TN					
KRP	P	Z	15 21 58						
CNZ	P	Z	15 22 03						
MNG	P	Z	15 22 09						
MJZ	P	ZNE	15 22 13						
JUN 11	H M S	EPICENTRE			DEPTH	MAG	DIST (DEG)		
	23 13 17.7	17.85	179.4W	509KM			4.5 FIJI REGION		
		H M S	LOG ₁₀ A/T	AZ TZ AN TN					
MNG	(P)	Z	23 17 15						
JUN 11	H M S	EPICENTRE			DEPTH	MAG	DIST (DEG)		
	23 14 40	2.23	14.9E	509KM			4.5 FIJI REGION		
ECZ	EP	Z	23 15 02						
KRP	EP	ZNE	23 15 02						
MNG	EP	Z	23 15 29						
JUN 11	H M S	EPICENTRE			DEPTH	MAG	DIST (DEG)		
	23 44 57.9	20.55	174.7W	33KM			4.6 S, OF TONGA		
		H M S	LOG ₁₀ A/T	AZ TZ AN TN					
MNG	EP	Z	23 49 37						
	ES	Z	53 19						
JUN 12	H M S	EPICENTRE			DEPTH	MAG	DIST (DEG)		
	07 41 25.1	40.34	143.7E	33KM			5.6 E, OF HONSHU		
		H M S	LOG ₁₀ A/T	AZ TZ AN TN					
MNG	EP	Z	07 54 04						
JUN 12	H M S	EPICENTRE			DEPTH	MAG	DIST (DEG)		
	15 13 31.1	34.44	25.1E	25KM			5.8 CRETE		
		H M S	LOG ₁₀ A/T	AZ TZ AN TN					
MSZ	PKP	Z	15 33 20						
		Z	24						
		Z	27						
		Z	51						
COB	PKP	Z	15 33 29						
MNG	EP	Z	15 33 30						
KRP	EP	Z	15 33 52						
JUN 12	H M S	EPICENTRE			DEPTH	MAG	DIST (DEG)		
	18 39 38.1	24.04	122.4E	33KM			5.3 TAIWAN		
		H M S	LOG ₁₀ A/T	AZ TZ AN TN					
MSZ	EP	Z	19 11 07						
MNG	EP	Z	19 11 22						

JUN 12	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	20 28 31,9	56,5S 25,3W	9KM	5,5 SOUTH SANDWICH IS	WEL 81
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
MSZ	P	Z 20 40 35			
COB	EP	Z 20 40 30			
MNG	P	Z 20 40 51			
KRP	P	ZN 20 41 04			
JUN 13	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	08 48 29,5	49,4N 155,9E	64KM	5,9 KURIL IS	WEL 92
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
KRP	P	ZNE 09 01 18			
	(PCP)	ZNE 09 01 25			
GNZ	EP	ZNE 09 01 22			
WEL	EP	Z 09 01 28			
	ES	ZNE 11 35			
	L	ZNE 30 35			
COB	P	Z 09 01 29			6,7
JUN 13	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	18 34 31,1	20,7S 178,6W	600KM	4,3 FIJI REGION	WEL 21
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
KRP	P	ZNE 18 38 07			
MNG	EP	Z 18 38 22			
	ES	Z 41 39			
JUN 14	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	03 22 56,8	7,9S 159,0E	42KM	6,0 SOLOMON IS	WEL 36
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
GNZ	P	Z 03 29 42			
	*PP	Z 30 31			
	(PP)	Z 30 31			
MNG	P	Z 03 29 48			
	*PP	Z 30 02			
	(PP)	Z 31 28			
	S	Z 35 26			
MJZ	P	ZNE 03 30 03			
	*PP	ZNE 19			
	E	ZNE 32			
	(PP)	ZNE 31 42			
MSZ	P	Z 03 30 06			
	*PP	Z 21			
JUN 14	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	03 39 45,4	7,1N 124,0E	33KM	5,4 MINDANAO	WEL 67
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
MJZ	EP	Z 03 50 31			
JUN 14	COB	EP	Z 04 10 02		
JUN 14	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	09 24 15,4	2,2S 137,8E	113KM	4,8 WEST IRIAN	WEL 51
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
KRP	E(P)	Z 09 32 57			
MNG	EP	Z 09 33 07			
JUN 14	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	09 26 10,6	5,6S 145,9E	114KM	5,2 NEW GUINEA	WEL 44
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
KRP	P	ZNE 09 33 54			
GNZ	P	Z 09 34 01			
MNG	P	Z 09 34 08			
MJZ	P	ZNE 09 34 09			6,1

JUN 14	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	10 30 32,4	32,1S 179,4E	424KM	4,2 S, OF KERMADEC IS	WEL 10
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
ECZ	P	Z 10 32 06			
	S	Z 33 22			
CRZ	P	ZNE 10 32 12			
	ES	ZNE 33 33			
GNZ	P	ZNE 10 32 14			
	S	ZNE 33 35			
KRP	P	ZNE 10 32 17			
	S	ZNE 33 43			
TUA	P	Z 10 32 19			
	S	Z 33 44			
TRZ	EP	Z 10 32 25			
	ES	Z 33 58			
CNZ	P	Z 10 32 25			
MNG	P	Z 10 32 37			
	S	Z 33 22			
WEL	P	ZNE 10 32 48			
	S	ZNE 33 37			0,19
COB	P	Z 10 32 54			
	ES	Z 34 50			
KAI	ES	X 10 35 23			
GPZ	EP	N 10 33 20			
	V	Z 35 33			
MJZ	EP	ZNE 10 33 32			
	S	ZNE 35 57			
MSZ	EP	Z 10 33 51			
	ES	Z 36 31			
JUN 15	KRP	EP	ZN 05 11 52		
	MNG	EP	Z 05 12 13		
	E(S)	Z 14 59			
	COB	EP	Z 05 12 25		
JUN 15	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	16 56 32,0	4,7S 102,2E	38KM	5,3 S, SUMATRA	WEL 74
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
MSZ	EP	Z 17 07 53			
COB	EP	Z 17 07 57			
MNG	EP	Z 17 08 09			
KRP	EP	Z 17 08 09			
	E	NE 12 26			
JUN 16	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	15 45 53,3	4,9S 125,7E	38KM	5,4 BANDA SEA	WEL 57
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
MSZ	EP	Z 15 55 16			
COB	EP	Z 15 55 25			
KRP	EP	Z 15 55 30			
JUN 17	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	00 47 59,0	30,8S 178,0W	27KM	4,8 KERMADEC REGION	WEL 12
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
GNZ	EP	ZNE 00 50 11			
	S	ZNE 51 36			
MNG	EP	Z 00 50 35			
COB	EP	Z 00 51 06			
	ES	Z 53 11			
MSZ	EP	Z 00 52 05			
	ES	Z 55 02			
JUN 17	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	19 26 28,9	19,0N 145,5E	206KM	5,8 MARIANA IS	WEL 66
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
KRP	P	ZNE 19 38 37			
	*PP	ZNE 37 14			0,25
					7,0

DATE	TIME	STATION	TYPE	EPICENTRE			DEPTH	MAG	DIST (DEG)							
				H	M	S			WEL	AZ	TZ	AN	TN	AE	TE	MAG
JUN 17	23 38 10,1	CNZ	P	19	36	44	U									
			(PCP)	Z		37	22									
			*PP	Z			53									
			PP	Z		39	09									
			MNG	P	19	36	49	U								
			(*PP)	Z		38	50									
			ES	Z		45	23									
			MSZ	P	19	36	58									
			(*PP)	Z		37	22									
JUN 18	01 42 03,9	MSZ	EP	52,65	159,7E	33KM	5,1	MACQUARIE I.								
				H	M	S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG	
			S	Z	24	00	23									
			SS	Z			32									
			L	Z		03	01									
			MJZ	P	ZNE	24	00	45								
			PP	ZNE		01	20									
			S	ZNE		02	39									
			WEL	P	ZNE	24	01	43								
			(PP)	ZNE		02	29									
JUN 18	20 43 19,2	MSZ	EP	0,55	126,1E	5KM	5,3	MOLUCCAS								
				H	M	S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG	
			S	Z	20	53	19									
			EP	Z		49	22									
			COB	EP	Z	01	45	34								
			MJZ	EP	ZNE	01	44	55								
			MNG	EP	Z	01	45	59								
JUN 18	23 44 11,2	KRP	EP	52,6N	167,9W	18KM	5,4	ALEUTIAN IS								
				H	M	S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG	
				Z	23	57	25									
JUN 19	07 03 04,9	KRP	EP	28,14	130,0E	45KM	5,5	RYUKYU IS								
				H	M	S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG	
				Z	07	15	02									
JUN 19	13 36 45,9	GNZ	P	18,05	178,3W	545KM	5,0	FIJI REGION								
				H	M	S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG	
				ZNE	13	40	50									
			ES	ZNE		43	58									
			MNG	P	Z	13	41	08								
			S	Z		44	38									
			CRZ	P	ZNE	13	40	28								

JUN 19	MSZ	EP	Z	15	05	39									
JUN 20	COB	EP	Z	02	50	25									
JUN 20	MSZ	EP	Z	11	19	40									
JUN 20	MSZ	EP	Z	11	34	37									
JUN 20	COB	EP	Z	11	38	30									
JUN 20	KRP	PCP	Z	15	50	17									
JUN 21	MSZ	EP	Z	04	32	35									
JUN 21	MSZ	EP	Z	06	22	06									
JUN 21	MSZ	P	Z	06	47	35									

JUN 21	H M S			EPICENTRE			DEPTH 23KM	MAG 5.2	LUZON	DIST (DEG)					
	07	47	24.4	13.34	122.0E	DIR				LOG ₁₀ A/T	AZ	TZ	AN	TN	AE
	MSZ	E(P)	Z	07	58	31									
	KRP	EP	Z	07	58	44									
	MJZ	EP	Z	07	58	47									
JUN 21	MSZ	EP	Z	08	21	28									
JUN 21	MSZ	EP	Z	08	22	13									
JUN 21	MSZ	EP	Z	08	23	10									
JUN 21	MNQ	EP	Z	12	32	55									
	KRP	EP	ZNE	12	33	05									
	COB	EP	Z	12	33	19									
JUN 21	H M S			EPICENTRE			DEPTH 561KM	MAG 5.6	JAVA SEA	DIST (DEG)					
	15	12	10.0	5.55	109.0E	DIR				LOG ₁₀ A/T	AZ	TZ	AN	TN	AE
	MSZ	P	Z	15	21	49									
		PCP	Z			55									
	MJZ	P	Z	15	21	57									
	KRP	P	ZNE	15	22	14									
		I	Z			16									
	MNQ	P	Z	15	22	14									
		PCP	Z			21									
JUN 21	H M S			EPICENTRE			DEPTH 65KM	MAG 5.3	S, IRAN	DIST (DEG)					
	16	35	08.3	27.4N	57.9E	DIR				LOG ₁₀ A/T	AZ	TZ	AN	TN	AE
	MSZ	EPKP	Z	16	53	59									
JUN 21	MSZ	EP	Z	23	19	04									
		S	Z			20									
	MJZ	EP	ZNE	23	19	30									
	COB	EP	Z	23	20	12									
	MNQ	EP	Z	23	20	31									
JUN 22	H M S			EPICENTRE			DEPTH 33KM	MAG 5.6	KURIL IS	DIST (DEG)					
	02	33	52.8	49.2N	158.9E	DIR				LOG ₁₀ A/T	AZ	TZ	AN	TN	AE
	KRP	EP	ZNE	02	46	43									
	MNQ	EP	Z	02	46	52									
	COB	EP	Z	02	46	54									
JUN 22	H M S			EPICENTRE			DEPTH 33KM	MAG 4.9	S, OF KERMADEC IS	DIST (DEG)					
	06	12	24.0	32.0S	177.9W	DIR				LOG ₁₀ A/T	AZ	TZ	AN	TN	AE
	QNZ	EP	ZNE	06	14	11									
		S	ZNE			15									
	KRP	EP	ZNE	06	14	18									
		S	ZNE			21									
	MJZ	EP	ZNE	06	15	21									
		S	ZNE			18									
	MSZ	EP	Z	06	16	11									
JUN 22	H M S			EPICENTRE			DEPTH 36KM	MAG 6.1	ALEUTIAN IS	DIST (DEG)					
	10	45	25.5	51.5N	179.9W	DIR				LOG ₁₀ A/T	AZ	TZ	AN	TN	AE
	KRP	P	ZNE	10	58	15									
		E	Z			41									
	MNQ	EP	Z	10	58	25									
	COB	P	Z	10	58	29									

JUN 23	H M S			EPICENTRE			DEPTH 36KM	MAG 5.2	SOUTH SANDWICH IS	DIST (DEG)					
	10	47	52.2	55.5S	29.4W	DIR				LOG ₁₀ A/T	AZ	TZ	AN	TN	AE
	MSZ	EP	Z	11	00	01									
JUN 22	H M S			EPICENTRE			DEPTH 134KM	MAG 4.4	MARIANA IS	DIST (DEG)					
	18	40	09.5	19.0N	145.5E	DIR				LOG ₁₀ A/T	AZ	TZ	AN	TN	AE
	KRP	EP	Z	18	50	32									
	MNQ	EP	Z	18	50	36									
	MSZ	EP	Z	18	50	44									
JUN 23	H M S			EPICENTRE			DEPTH 27KM	MAG 5.3	AUCKLAND IS	DIST (DEG)					
	00	17	56.5	49.3S	162.2E	DIR				LOG ₁₀ A/T	AZ	TZ	AN	TN	AE
	MNQ	EP	Z	00	19	01.4									
		S	Z			54									
	MSZ	EP	Z	00	19	12.9									
	COB	P	Z	00	20	21									
		S	Z			22									
	QNZ	P	Z	00	21	02									
		S	Z			23									
	CIZ	EP	ZNE	00	21	18									
		S	ZNE			23									
JUN 23	MNQ	P	Z	00	24	24									
		S	Z			25									
	MSZ	P	Z	00	24	38									
		S	Z			25									
	COB	EP	Z	00	25	43									
		ES	Z			27									
	MNQ	EP	Z	00	26	06									
JUN 23	H M S			EPICENTRE			DEPTH 33KM	MAG 5.0	HONSHU	DIST (DEG)					
	05	57	06.9	37.4N	141.9E	DIR				LOG ₁₀ A/T	AZ	TZ	AN	TN	AE
	MSZ	EP	Z	06	09	39									
	MNQ	EP	Z	06	09	44									
JUN 23	MNQ	EP	Z	06	05	12									
JUN 24	H M S			EPICENTRE			DEPTH 113KM	MAG 5.6	NEW GUINEA	DIST (DEG)					
	03	29	17.3	9.8S	146.0E	DIR				LOG ₁₀ A/T	AZ	TZ	AN	TN	AE
	KRP	P	ZNE	03	36	56									
		E	Z			37									
		S	Z			23									
	COB	P	Z	03	37	01									
		E	Z			05									
		E	Z			11									
	MSZ	P	Z	03	37	07									
		E	Z			10									
		E	Z			14									
		E	Z			40									
	MNQ	P	Z	03	37	07									
		I	Z			11									
JUN 24	KRP	P	Z	03	42	34									
	MSZ	EP	Z	03	42	38									
	MJZ	P	ZNE	03	42	38									
JUN 24	H M S			EPICENTRE			DEPTH 42KM	MAG 5.1	LUZON	DIST (DEG)					
	10	58	07.3	13.3N	123.0E	DIR				LOG ₁₀ A/T	AZ	TZ	AN	TN	AE
	MSZ	EP	Z	11	09	22									
	MJZ	EP	ZNE	11	09	29									
	MNQ	EP	Z	11	09	34									

STATION	COMPONENT	TIME	AMPLITUDE	PERIOD	PHASE	DEPTH	MAG	DIST (DEG)	WEL	AE	TE	MAG
GNZ	S	NE	11 28 49									
	S	ZE	11 26 17									
	S	ZE	28 14									
	(PCP)	ZE	29 19									
CNZ	S	Z	11 26 41									
	S	Z	29 05									
TRZ	S	Z	11 26 26									
	S	Z	29 05									
MNG	S	Z	11 26 55									
	S	Z	29 22									
WEL	S	Z	11 26 46									
	S	ZNE	29 40									
COB	S	Z	11 26 48									
	S	Z	29 46									
MSZ	S	Z	11 27 35									
	S	Z	31 00									
MNH	S	Z	11 27 43									
	S	Z	11 27 43									
JUN 29	H M S	EPICENTRE	DEPTH	MAG								
			62,85 166,3E	33KM	5,5	BALLENY IS						
							LOG ₁₀ A/T	AZ	TZ	AN	TN	DIST (DEG)
												WEL 22
												AE TE MAG
MNH	P	Z	17 13 09									
MSZ	P	Z	17 13 22									
	P	Z	14 37									
CIZ	P	ZNE	17 14 06									
	P	Z	17 14 07									
COB	P	Z	17 14 07									
	P	Z	21									
KRP	P	ZNE	17 14 39									
	P	Z	15 04									
			19									
JUN 29	H M S	EPICENTRE	DEPTH	MAG								
			62,73 166,4E	41KM	5,3	BALLENY IS						
							LOG ₁₀ A/T	AZ	TZ	AN	TN	DIST (DEG)
												WEL 22
												AE TE MAG
MNH	EP	Z	18 05 48									
MSZ	EP	Z	18 06 03									
	EP	Z	18 06 30									
KRP	EP	ZNE	18 07 15									
	EP	Z	18 07 15									
JUN 30	H M S	EPICENTRE	DEPTH	MAG								
			10,43 117,0E	15KM	5,5	FLORES REGION						
							LOG ₁₀ A/T	AZ	TZ	AN	TN	DIST (DEG)
												WEL 39
												AE TE MAG
MSZ	EP	Z	07 42 36									
JUN 30	H M S	EPICENTRE	DEPTH	MAG								
			9,35 120,1E	32KM	5,2	S. OF FLORES						
							LOG ₁₀ A/T	AZ	TZ	AN	TN	DIST (DEG)
												WEL 38
												AE TE MAG
MSZ	P	Z	18 30 38									
KRP	P	Z	31 23									
	P	ZNE	18 31 10									
KRP	EP	Z	18 31 24									
	EP	Z	18 31 26									
GNZ	EP	Z	18 31 26									
	EP	Z	18 31 26									
JUL 01	H M S	EPICENTRE	DEPTH	MAG								
			15,95 175,2E	263KM	4,8	TONGA						
							LOG ₁₀ A/T	AZ	TZ	AN	TN	DIST (DEG)
												WEL 27
												AE TE MAG
KRP	IP	ZNE	18 27 41,5 U									
MNG	ES	Z	18 31 26									
	ES	Z	18 28 27									
JUL 02	H M S	EPICENTRE	DEPTH	MAG								
			28,35 176,9W	8KM	4,8	KERMADEC IS						
							LOG ₁₀ A/T	AZ	TZ	AN	TN	DIST (DEG)
												WEL 15
												AE TE MAG
CRZ	P	ZNE	17 30 05,5									
MNG	EP	Z	17 30 28									
	EP	Z	17 30 28									

DISTANT EARTHQUAKES

STATION	COMPONENT	TIME	AMPLITUDE	PERIOD	PHASE	DEPTH	MAG	DIST (DEG)	WEL	AE	TE	MAG
MSZ	EP	Z	17 31 54									
	ES	ZE	17 31 57									
GNZ	EP	Z	13 43 22,2									
	EP	Z	13 48 26									
KRP	EP	Z	13 48 26									
	EP	Z	13 48 49									
MNG	EP	Z	13 49 45									
	EP	Z	13 49 45									
JUN 03	H M S	EPICENTRE	DEPTH	MAG								
			16,85 173,7W	50KM	4,5	TONGA						
							LOG ₁₀ A/T	AZ	TZ	AN	TN	DIST (DEG)
												WEL 26
												AE TE MAG
GNZ	EP	Z	13 48 26									
KRP	EP	Z	13 48 26									
	EP	Z	13 48 49									
MNG	EP	Z	13 49 45									
	EP	Z	13 49 45									
JUN 03	H M S	EPICENTRE	DEPTH	MAG								
			30,45 178,3W	33KM	4,5	KERMADEC REGION						
							LOG ₁₀ A/T	AZ	TZ	AN	TN	DIST (DEG)
												WEL 12
												AE TE MAG
GNZ	EP	ZNE	19 23 12									
CRZ	EP	ZNE	19 23 19									
	EP	Z	19 23 44									
MNG	EP	Z	19 23 44									
	EP	Z	19 26 21									
COB	ES	Z	19 26 21									
JUN 04	H M S	EPICENTRE	DEPTH	MAG								
			20,05 178,6W	650KM	4,9	FIJI REGION						
							LOG ₁₀ A/T	AZ	TZ	AN	TN	DIST (DEG)
												WEL 22
												AE TE MAG
CRZ	EP	ZN	06 52 56									
KRP	IP	ZNE	06 53 14,7 U									
	IP	ZNE	06 53 17									
GNZ	EP	Z	06 53 23									
	EP	Z	06 53 35									
MNG	EP	Z	06 53 43									
	EP	Z	06 54 30									
WEL	EP	Z	06 54 39,0									
	EP	Z	06 54 39,0									
JUN 04	H M S	EPICENTRE	DEPTH	MAG								
			18,95 169,3E	205KM	3,9	NEW HEBRIDES						
							LOG ₁₀ A/T	AZ	TZ	AN	TN	DIST (DEG)
												WEL 23
												AE TE MAG
MNG	IP	Z	09 47 10,0 D									
JUN 04	H M S	EPICENTRE	DEPTH	MAG								
			30,25 177,8W	67KM	4,3	KERMADEC REGION						
							LOG ₁₀ A/T	AZ	TZ	AN	TN	DIST (DEG)
												WEL 13
												AE TE MAG
GNZ	EP	ZE	12 14 05									
CRZ	EP	ZE	15 31									
	EP	ZN	12 14 06									
MNG	EP	Z	12 14 32									
	EP	Z	16 32									
MSZ	EP	Z	12 16 00									
	EP	Z	12 16 00									
JUN 04	H M S	EPICENTRE	DEPTH	MAG								
			32,35 179,3W	88								

		ZNE	01 37 11.0	U	-1.21							
KRP IP		Z	01 37 32									
MNG EP												
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 05 01 44 31.1		3,83 131,9E		33KM	5,5 WEST IRIAN	WEL 54						
		H M S		DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG
KRP P		ZNE 01 53 14,5										
MNG EP		Z 01 53 22										
GNZ EP		ZE 01 53 18										
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 05 06 08 42.4		21,25 178,8E		500KM	4,7 FIJI REGION	WEL 20						
		H M S		DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG
KRP P		ZNE 06 12 16,0										
ES		ZNE 15 14										
E(SCS)		ZNE 22 29										
GNZ EP		ZE 06 12 17										
ES		ZE 15 16										
CNZ EP		Z 06 12 27										
MNG EP		Z 06 12 38										
ES		Z 15 47										
WEL EP		ZNE 06 12 45										
COB EP		Z 06 12 90										
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 05 11 12 43.6		18,64 147,0E		57KM	5,0 MARIANA IS	WEL 69						
		H M S		DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG
KRP P		Z 11 23 04,0										
GNZ EP		Z 11 23 13										
MNG EP		Z 11 23 18										
MSZ EP		Z 11 23 26										
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 06 03 41 31.8		6,45 154,9E		94KM	4,6 SOLOMON IS	WEL 39						
		H M S		DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG
KRP EP		Z 03 48 50										
EPCP		Z 51 28										
GNZ P		ZNE 03 49 04,5										
MNG P		Z 03 49 08,5										
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 06 10 50 30.5		25,45 179,8E		522KM	4,8 S, OF FIJI	WEL 18						
		H M S		DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG
KRP EP		ZNE 10 53 19										
GNZ EP		ZNE 10 53 22										
E		ZNE 55 39										
ES		ZNE 49										
TRZ ES		Z 10 56 01										
GNZ EP		Z 10 53 31										
E		Z 56 00										
ES		Z 07										
MNG EP		Z 10 53 44										
ES		Z 36 23										
WEL EP		Z 10 53 53										
ES		ZNE 56 40										
COB EP		Z 10 53 56										
ES		Z 56 46										
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 06 14 28 21.9		15,35 173,1W		33KM	5,0 TONGA	WEL 28						
		H M S		DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG
GNZ EP		ZNE 14 33 40										
KRP EP		ZE 14 33 42										
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 06 14 31 16.7		15,35 173,4W		33KM	5,3 TONGA	WEL 25						
		H M S		DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG
GNZ EP		ZNE 14 36 35										

		ZNE	14 36 36		-0,94							
KRP EP		Z	14 36 57									
MNG EP		Z	14 37 54									
MSZ EP		Z	14 37 54									
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 06 20 44 52.1		32,25 178,1W		33KM	4,4 S, OF KERMADEC IS	WEL 11						
		H M S		DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG
GNZ ES		ZNE 20 47 57										
KRP EP		Z 20 46 47										
COB ES		Z 20 49 38										
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 07 04 43 15.4		16,54 147,3E		38KM	5,7 MARIANA IS	WEL 63						
		H M S		DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG
KRP IP		ZNE 04 53 21,5										
GNZ IP		ZNE 04 53 31,0										
WEL IP		ZNE 04 53 37,6										
MSZ EP		Z 04 53 44										
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 07 07 09 38.59		09 38 59										
		Z 40 22										
GNZ P		Z 09 39 05,2										
S		ZNE 40 25										
MNG EP		Z 09 39 35										
ES		Z 41 28										
WEL S		NE 09 41 45										
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 07 14 42 38.5		15,15 167,0E		49KM	4,8 NEW HEBRIDES	WEL 27						
		H M S		DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG
KRP EP		Z 14 48 11										
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 07 21 40 21		21 40 21										
		Z 41 36										
GNZ P		ZNE 21 40 26										
S		ZNE 41 53										
MNG EP		Z 21 40 53										
ES		Z 42 44										
WEL ES		ZNE 21 42 44										
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 08 04 06 39.7		2,14 126,6E		16KM	5,3 MOLUCCAS	WEL 61						
		H M S		DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG
MSZ EP		Z 04 16 42										
KRP IP		ZNE 04 16 49,0										
WEL P		ZNE 04 16 55										
GNZ EP		ZNE 04 17 01										
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 08 08 09 17.5		37,64 20,3E		33KM	5,4 IONIAN SEA	WEL 160						
		H M S		DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG
KRP EPKP2		Z 08 29 58										
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 08 19 10 47		19 10 47										
		Z 19 11 06										
GNZ ES		ZNE 19 13 41										
COB P		Z 19 11 44										
ES		Z 14 41										
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 10 08 42 28.5		23,65 59,7W		48KM	5,4 N, CHILE	WEL 92						
		H M S		DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE	TE	MAG
KRP EP		Z 08 55 40										
•••••		Z 57,5										
H M S		EPICENTRE		DEPTH	MAG	DIST (DEG)						
JUL 11 21 30 17		21 30 17										
		NE 32 55										
GNZ EP		Z 21 30 19										

		ZNE		MAG		DIST (DEG)	
		H M S		H M S		WEL	
		DIR		LOG _a A/T		AZ TZ AN TN AE TE MAG	
	MNQ S	Z	21 30 35				
	ES	Z	33 31				
	COB P	Z	21 30 50.0				
	S	Z	33 50.0				
JUL 12	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)	
	05 52 48.7	22.8S 179.5W		599KM	4.5 S, OF FIJI	WEL 19	
		H M S		DIR	LOG _a A/T	AZ TZ AN TN AE TE MAG	
	CRZ EP	ZNE	05 55 35				
	KRP EP	ZNE	05 56 05		-1.07		
	GNZ EP	ZE	05 56 07				5.3
	ES	ZE	58 50				
	MNQ EP	Z	05 56 27				
	ES	Z	59 25				
	WEL EP	ZNE	05 56 36				
	ES	ZNE	59 44				
	COB EP	Z	05 56 39				
	EP	Z	59 52				
JUL 12	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)	
	05 55 40.1	17.6N 145.7E		204KM	4.5 MARIANA IS	WEL 64	
		H M S		DIR	LOG _a A/T	AZ TZ AN TN AE TE MAG	
	KRP IP	Z	06 05 40.0	D			
	MNQ P	Z	06 05 53				
JUL 12	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)	
	11 44 12.3	7.9S 117.8E		92KM	5.1 E, JAVA	WEL 60	
		H M S		DIR	LOG _a A/T	AZ TZ AN TN AE TE MAG	
	MSZ EP	Z	11 53 59				
	KRP IP	ZNE	11 54 16.0	D	-0.75		
	MNQ EP	Z	11 54 18				6.4
JUL 12	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)	
	13 00 36.9	46.5N 153.3E		12KM	5.3 KURIL IS	WEL 89	
		H M S		DIR	LOG _a A/T	AZ TZ AN TN AE TE MAG	
	MNQ EP	Z	13 13 32				
JUL 12	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)	
	13 16 59.4	26.1S 178.3E		603KM	5.0 S, OF FIJI	WEL 15	
		H M S		DIR	LOG _a A/T	AZ TZ AN TN AE TE MAG	
	CRZ IP	ZNE	13 19 12.8	U			
	ES	NE	21 06				
	ECZ EP	Z	13 19 27				
	ES	Z	21 37				
	KRP IP	ZNE	13 19 35.4	U	-0.49		
	ES	ZNE	22 03				
	GNZ P	ZNE	13 19 37.5		-0.36		
	ES	ZNE	21 50				
	TUA EP	Z	13 19 40				
	ES	Z	22 01				
	TRZ EP	Z	13 19 47				
	MNQ P	Z	13 19 57.0				
	ES	Z	22 29				
	WEL EP	ZNE	13 20 06		-0.15		6.1
	ES	ZNE	22 45				
	COB IP	Z	13 20 10.3	U			
	ES	Z	22 47				
	KAI EP	X	13 20 26				
	ES	X	23 23				
	GPZ EP	V	13 20 32				
	ES	V	23 36				
	CIZ EP	ZNE	13 20 34				
	MSZ P	Z	13 20 53				
	MNA IP	Z	13 21 03.2	U	-0.41		6.1
JUL 12	CRZ IP	ZNE	13 19 25.0				
	ES	ZNE	21 19				

DISTANT EARTHQUAKES

		ZNE		MAG		DIST (DEG)	
		H M S		H M S		WEL	
		DIR		LOG _a A/T		AZ TZ AN TN AE TE MAG	
	ECZ EP	Z	13 19 40				
	KRP P	ZNE	13 19 47.8				
	GNZ P	Z	13 20 10				
	MNQ EP	Z	22 41				
	ES	ZNE	13 20 20.0				
	WEL EP	ZNE	22 58				
	ES	Z	13 23 00				
	COB EP	X	13 20 39				
	KAI EP	X	23 35				
	ES	V	13 20 44				
	GPZ EP	ZNE	13 20 44				
	CIZ EP	Z	13 21 05				
	MSZ EP	Z	24 18				
	ES	Z	13 21 15.6				
	MNA IP						
JUL 12	GNZ P	ZE	16 22 14				
	S	E	23 39				
	KRP EP	Z	16 22 18				
	WEL EP	VE	16 24 48				
	MNQ P	Z	16 22 39				
	ES	Z	24 29				
	COB S	Z	16 24 59				
JUL 12	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)	
	20 10 17.9	15.3S 173.9W		53KM	4.0 TONGA	WEL 28	
		H M S		DIR	LOG _a A/T	AZ TZ AN TN AE TE MAG	
	KRP EP	ZNE	20 15 34		-1.04		5.3
	MNQ EP	Z	20 15 54				
JUL 13	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)	
	22 18 57.7	21.9S 170.1E		26KM	4.6 LOYALTY IS	WEL 20	
		H M S		DIR	LOG _a A/T	AZ TZ AN TN AE TE MAG	
	MNQ EP	Z	22 23 21				
JUL 14	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)	
	14 19 45.9	23.3S 179.8E		588KM	4.7 S, OF FIJI	WEL 15	
		H M S		DIR	LOG _a A/T	AZ TZ AN TN AE TE MAG	
	KRP EP	Z	14 22 51				
	ES	ZNE	21 54				
	GNZ EP	Z	14 22 53				
	ES	ZNE	25 30				
	MNQ EP	Z	14 23 13				
	ES	Z	15				
	ES	Z	26 02				
	EP	Z	05				
	MJZ EP	Z	14 23 53				
	E	ZNE	26 56				
JUL 15	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)	
	04 11 49.2	19.7S 178.4W		646KM	4.1 FIJI REGION	WEL 22	
		H M S		DIR	LOG _a A/T	AZ TZ AN TN AE TE MAG	
	CRZ EP	Z	04 15 13				
	KRP P	ZNE	04 15 31		-0.98		5.3
	GNZ EP	ZNE	04 15 33				
	ES	Z	04 15 40				
	WEL EP	Z	04 15 59				
	COB EP	Z	04 16 02				
	MSZ EP	Z	04 16 45				
	MNA P	Z	04 16 55.9				
JUL 15	MNQ P	Z	04 50 56				
JUL 19	H M S	EPICENTRE		DEPTH	MAG	DIST (DEG)	
	21 12 33.0	30.4S 178.0W		40KM	4.3 KERMADOC REGION	WEL 12	
		H M S		DIR	LOG _a A/T	AZ TZ AN TN AE TE MAG	
	CRZ P	Z	21 14 46				

	GNZ ES	ZE	21 16 14						
	MSZ EP	Z	21 16 40						
JUL 16	MSZ EP	Z	02 37 32						
JUL 16	H M S	EPICENTRE	DEPTH	MAG					
	04 47 37.2	5,34 126,8E	75KM	5,4	MINDANAO				
	MSZ EP	Z	04 37 49						
	KRP EP	Z	04 37 54						
	MNQ EP	Z	04 37 55						
	MNG EP	Z	04 38 01						
JUL 16	H M S	EPICENTRE	DEPTH	MAG					
	05 22 13.1	17.6S 66.3E	33KM	5,1	INDIAN OCEAN				
	MSZ EP	Z	05 34 58						
JUL 16	H M S	EPICENTRE	DEPTH	MAG					
	08 16 53.3	32.2N 159.0E	69KM	5,8	KAMCHATKA				
	CRZ EP	Z	08 29 34						
	KRP P	Z	08 29 51						
	E+PP	Z	30 09						
	GNZ EP	ZNE	08 29 55						
	MNG EP	Z	08 30 00						
	E+PP	Z	21						
JUL 16	H M S	EPICENTRE	DEPTH	MAG					
	12 39 26.2	4.7S 153.1E	85KM	4,6	NEW IRELAND				
	CRZ EP	Z	12 46 08						
	KRP P	ZNE	12 46 44						
	E+PP	Z	47 04						
	E(SCP)	Z	53 00						
	MNG P	Z	12 47 00						
	E+PP	Z	17						
	E(SCP)	Z	52 46						
	MSZ P	Z	12 47 09						
JUL 16	H M S	EPICENTRE	DEPTH	MAG					
	12 34 16.7	13.0N 144.9E	92KM	5,0	MARIANA IS				
	KRP EP	Z	13 04 09						
	MNG P	Z	13 04 18						
	MSZ EP	Z	13 04 24						
JUL 16	H M S	EPICENTRE	DEPTH	MAG					
	22 59 09.3	59.2S 29.3W	33KM	4,8	SOUTH SANDWICH IS				
	MSZ EP	Z	23 10 53						
	COB EP	Z	23 11 08						
	MNG EP	Z	23 11 11						
	KRP P	Z	23 11 25						
JUL 17	H M S	EPICENTRE	DEPTH	MAG					
	09 18 17.8	20.9S 178.2W	190KM	4,5	FIJI REGION				
	CRZ EP	Z	09 22 09						
	KRP P	Z	09 22 29						
	MNG EP	Z	09 22 49						
	COB EP	Z	09 22 56						
JUL 17	H M S	EPICENTRE	DEPTH	MAG					
	22 23 53.5	28.9S 178.8W	227KM	4,4	KERMADEC IS				
	CRZ EP	Z	22 26 10						
	MNG EP	Z	22 26 38						

	WEL EP	ZNE	22 26 31						
	COB ES	Z	22 29 32						
	CIZ EP	ZNE	22 27 10						
	ES	ZNE	30 09						
	GPZ E(S)	Z	22 30 18						
	MJZ ES	ZNE	22 30 43						
	MSZ EP	Z	22 29 00						
	ECZ EP	Z	00 44 55						
	S	Z	46 20.5						
	GNZ S	ZNE	00 46 40						
	TRZ ES	Z	00 47 05						
	MNG P	Z	00 45 37.7						
	ES	Z	47 39						
	COB EP	Z	00 46 03						
	ES	Z	48 18.5						
	GPZ ES	V	00 49 09						
	H M S	EPICENTRE	DEPTH	MAG					
	04 08 36.4	6.4S 130.0E	145KM	5,3	BANDA SEA				
	MSZ P	Z	04 17 21						
	MNQ EP	Z	04 17 24						
	KRP EP	Z	04 17 31						
	MNG EP	Z	04 17 38						
	H M S	EPICENTRE	DEPTH	MAG					
	05 24 48.0	38.3N 119.4E	33KM	5,2	N.E. CHINA				
	CRZ EP	Z	05 37 39						
	KRP P	Z	05 38 57						
	E	Z	39 28						
	E	VE	47 05						
	E	VE	41						
	E(SKS)	Z	48 13						
	MSZ EP	Z	05 38 04						
	GNZ EP	ZNE	05 38 05						
	WEL EP	Z	05 38 02						
	E	Z	40 02						
	E(SKS)	ZNE	48 42						
	ELQ	VE	34						
	ELR	Z	09						
	H M S	EPICENTRE	DEPTH	MAG					
	10 30 10.1	6.2N 128.2E	70KM	5,1	MINDANAO				
	MSZ P	Z	10 40 35.1 D						
	MJZ EP	Z	10 40 41						
	MSZ P?	Z	11 29 11						
	H M S	EPICENTRE	DEPTH	MAG					
	14 13 55.4	60.5S 26.0W	40KM	5,7	SOUTH SANDWICH IS				
	MNQ EP	Z	14 25 25						
	MSZ P	Z	14 25 31						
	?	Z	32						
	COB P	Z	14 25 47						
	KRP P	Z	14 26 03						
	E(+PP)	Z	16						
	H M S	EPICENTRE	DEPTH	MAG					
	01 33 44.0	6.4S 130.1E	142KM	5,3	BANDA SEA				
	MSZ P	Z	01 42 29						
	MNQ EP	Z	01 42 32						
	MJZ P	Z	01 42 36						
	MNG P	Z	01 42 46						

	H	M	S	EPICENTRE	DEPTH	MAG	LOYALTY IS	DIST (DEG)
JUL 19	04	35	27.0	20.6S 168.6E	17KM			WEL 21
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	MNQ	EP	Z	04 40 17				
JUL 19	05	11	43.4	21.5S 179.5W	659KM			WEL 23
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	CRZ	P	ZNE	05 14 47				
	GNZ	P	ZNE	05 15 08				
	MNQ	EP	Z	05 15 26				
		SCP	Z	21 59				
	WEL	EP	Z	05 15 34				
	COB	P	Z	05 15 38				
	MSZ	EP	Z	05 16 21				
	MNW	P	Z	05 16 31				
JUL 19	09	03	06.3	59.2S 25.1W	33KM			WEL 29
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	MSZ	EP	Z	09 14 52				
	COB	EP	Z	09 15 11				
JUL 19								
JUL 19	17	56	24.9	27.5S 176.6W	33KM			WEL 23
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	COB	EP	Z	18 00 09				
	MSZ	EP	Z	18 01 06				
JUL 20								
JUL 20	12	13	43.4	60.0S 69.3W	33KM			WEL 88
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	MNQ	EP	Z	12 24 48				
	COB	EP	Z	12 24 52				
	KRP	EP	Z	12 25 01				
JUL 20	19	49	42.0	19.2S 176.4W	20KM			WEL 23
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	ZNE	19 54 11		=1.04		5.2
	COB	EP	Z	19 54 52				
JUL 20	20	04	46.7	15.6S 167.8E	196KM			WEL 26
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	CRZ	P	ZNE	20 08 59				
	ONE	EP	Z	20 09 19				
	KRP	P	ZNE	20 09 38.9 D				
		E(S)	E	13 39				
		E(S)	VE	51				
	GNZ	P	ZNE	20 09 50				
	MNQ	P	Z	20 09 59				
	COB	EP	Z	20 10 03				
	WEL	EP	Z	20 10 04				
	KAI	EP	X	20 10 13				
	GPZ	P	N	20 10 23				
	MSZ	P	Z	20 10 30				
	ROX	EP	Z	20 10 37		=0.61		6.1
	MNW	P	Z	20 10 59		=0.05		6.1

	H	M	S	EPICENTRE	DEPTH	MAG	WEST IRIAN	DIST (DEG)
JUL 20	20	39	56.2	1.5S 137.7E	93KM			WEL 52
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	Z	20 48 58				
JUL 21	02	22	06.4	19.2S 176.5W	33KM			WEL 23
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	02 26 39				
JUL 21								
JUL 21	07	01	07.9	17.6S 173.1W	33KM			WEL 26
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	KRP	P	ZNE	07 06 09				
	COB	EP	Z	07 06 41				
	HJZ	EP	Z	07 07 17				
	MSZ	EP	Z	07 07 33				
JUL 21								
JUL 21								
JUL 21	07	29	22					
JUL 21								
JUL 21	07	30	58					
JUL 21	19	44	13.5	39.4N 143.0E	33KM			WEL 85
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	19 56 36				
	HJZ	EP	Z	19 56 56				
		E(PCP)	Z	57 04				
JUL 21	22	06	56.9	2.9N 124.7E	220KM			WEL 63
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	HJZ	P	ZNE	22 16 56				
		E	Z	17 10				
		PPP	Z	42				
JUL 22								
JUL 22	08	39	22					
	KRP	P	ZNE	08 39 29				
	GNZ	EP	Z	08 39 40				
	MNQ	EP	Z	08 39 49				
JUL 22	10	52	40.8	18.3S 177.7W	576KM			WEL 24
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	CRZ	EP	Z	10 56 21				
	KRP	P	Z	10 56 40				
	GNZ	EP	Z	10 56 41				
	MNQ	EP	Z	10 57 00				
	COB	P	Z	10 57 10				
	MSZ	EP	Z	10 57 54				
JUL 22								
JUL 22	13	03	24					
	KRP	P	Z	13 03 30				
	MNQ	P	Z	13 03 53				
	MSZ	EP	Z	13 05 15				
		I	Z	17				
JUL 22	13	48	36.5	18.1S 172.5W	30KM			WEL 26
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	13 53 35				
	MNQ	EP	Z	13 53 58				
	COB	EP	Z	13 54 15				
	MSZ	EP	Z	13 55 06				

JUL	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	17	14	13.0	11,8S	166,9E	144KM			5,4 SANTA CRUZ IS	LOG _W /T	AZ	TZ	AN	TN	AE	TE
	CRZ	P		ZNE	17 19 10											
	KRP	P		ZNE	17 19 46											
	HEL	P		Z	17 20 10											
	MSZ	P		Z	17 20 34											
JUL 22	KRP	EP		Z	19 49 20											
	MNG	EP		Z	19 49 41											
	COB	P		Z	19 50 01											
JUL 22	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	19	35	37.0	26,1S	177,5W	180KM			5,1 S, OF FIJI	LOG _W /T	AZ	TZ	AN	TN	AE	TE
	KRP	EP		Z	19 38 45											
	GNZ	EP		Z	19 38 92											
	MNG	EP		Z	19 38 98											
				Z	19 39 06											
	HEL	ES		Z	20 02 05											
	MSZ	EP		Z	20 00 20											
JUL 23	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	00	05	23.3	19,2S	169,8E	33KM			4,8 NEW HEBRIDES	LOG _W /T	AZ	TZ	AN	TN	AE	TE
	KRP	P		Z	00 09 49											
	MNG	EP		Z	00 10 15											
	COB	EP		Z	00 10 17											
	MSZ	EP		Z	00 10 31											
JUL 23	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	06	36	30.0	16,2S	168,1E	199KM			4,8 NEW HEBRIDES	LOG _W /T	AZ	TZ	AN	TN	AE	TE
	KRP	P		Z	06 41 36											
	GNZ	EP		Z	06 41 48											
	GNZ	P		Z	06 41 48											
JUL 23	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	08	01	30.6	23,7S	179,2E	545KM			5,0 S, OF FIJI	LOG _W /T	AZ	TZ	AN	TN	AE	TE
	CRZ	IP		ZNE	08 04 33,3 U											
	KRP	EP		ZNE	08 04 36											
	GNZ	P		ZNE	08 04 57											
	HEL	EP		ZNE	08 05 28											
	MSZ	EP		Z	08 06 15											
	MNA	P		Z	08 06 23											
JUL 24	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	05	03	26.7	1,6V	126,5E	41KM			5,4 MOLUCCAS	LOG _W /T	AZ	TZ	AN	TN	AE	TE
	MNG	E(P)		Z	05 13 37											
JUL 24	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	12	41	40.2	45,4S	35,0E	33KM			5,7 S, INDIAN OCEAN	LOG _W /T	AZ	TZ	AN	TN	AE	TE
	MSZ	P		Z	12 53 59											
JUL 24	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	14	23	18.0	15,3S	175,2W	310KM			4,7 TONGA	LOG _W /T	AZ	TZ	AN	TN	AE	TE
	KRP	P		Z	14 28 06											
	MNG	P		Z	14 28 27											
	MSZ	P		Z	14 29 23											
	MNA	EP		Z	14 29 30											

JUL	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	15	11	01.1	1,8S	128,5E <td>93KM</td> <td>3,1 HALMAHERA</td> <td>LOG_W/T</td> <td>AZ</td> <td>TZ</td> <td>AN</td> <td>TN</td> <td>AE</td> <td>TE</td> <td>MAG</td>	93KM			3,1 HALMAHERA	LOG _W /T	AZ	TZ	AN	TN	AE	TE
	MSZ	IP		Z	15 20 30,1 D											
	MJZ	P		Z	15 20 37											
	KRP	P		Z	15 20 38											
	MNG	P		Z	15 20 44											
JUL 25	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	06	06	42.4	25,6S	63,3W	579KM			5,5 ANDES	LOG _W /T	AZ	TZ	AN	TN	AE	TE
	MNG	P		Z	06 19 02											
	MJZ	P		ZNE	06 19 06											
	MNA	EP		Z	06 19 09											
	KRP	EP		Z	06 19 11											
JUL 25	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	13	34	09.8	2,6V	126,6E	33KM			5,6 MOLUCCAS	LOG _W /T	AZ	TZ	AN	TN	AE	TE
	MSZ	EP		Z	13 44 12											
	KRP	EP		Z	13 44 19											
	MJZ	P		Z	13 44 19											
	MNG	EP		Z	13 44 27											
JUL 26	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	05	15	35	03	15	35										
	KRP	EP		Z	05 15 59											
	GNZ	EP		Z	05 16 08											
	MNG	EP		Z	05 16 19											
	COB	EP		Z	05 16 37											
JUL 26	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	05	34	19													
JUL 26	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	14	45	48.0	11,6S	165,1E	34KM			5,5 SANTA CRUZ IS	LOG _W /T	AZ	TZ	AN	TN	AE	TE
	KRP	EP		Z	14 51 38											
	MNG	P		Z	14 52 00											
JUL 26	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	17	17	16.2	56,4S	25,9W	38KM			5,5 SOUTH SANDWICH IS	LOG _W /T	AZ	TZ	AN	TN	AE	TE
	MNA	P		Z	17 29 09											
	MJZ	EP		Z	17 29 18											
	MNG	EP		Z	17 29 31											
	KRP	P		ZNE	17 29 45											
JUL 26	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	21	41	39													
	MNG	EP		Z	21 42 21											
JUL 27	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	02	14	28.1	19,4S	168,8E	70KM			5,4 NEW HEBRIDES	LOG _W /T	AZ	TZ	AN	TN	AE	TE
	CRZ	EP		Z	02 18 06											
	KRP	EP		Z	02 18 50											
	MNG	P		Z	02 19 16											
	MJZ	P		Z	02 19 43											
JUL 27	H M S			EPICENTRE			DEPTH	MAG	LOCATION			DIST (DEG)				
	08	49	37.6	17,6S	178,3W	552KM			4,0 FIJI REGION	LOG _W /T	AZ	TZ	AN	TN	AE	TE
	CRZ	P		Z	08 53 24											
	KRP	P		Z	08 53 43	</										

JUL 27	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	22 26 54.2	24.94 122.5E	105KM	5.4 TAIWAN	HEL 24
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
KRP	P	Z	22 38 53		
	EPP?	Z	39 20		
MJZ	EP	Z	22 39 00		
MNG	EP	Z	22 39 00		
	E+PP	Z	27		
GNZ	EP	Z	22 39 02		
	E+PP	Z	28		
JUL 28	KRP	EP	ZNE 01 12 55	-1.11	
JUL 28	KRP	EP	Z	12 07 26	
JUL 28	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	13 03 17.6	30.74 132.5E	24KM	5.6 SHIKOKU	HEL 22
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
KRP	EP	Z	13 15 22		
MNG	EP	Z	13 15 36		
JUL 28	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	14 04 48.8	21.85 179.6W	610KM	4.5 FIJI REGION	HEL 27
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
KRP	P	ZNE	14 08 11		
COB	EP	Z	14 08 42		
JUL 28	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	15 37 56.2	24.14 142.7E	33KM	5.2 VOLCANO IS	HEL 72
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
KRP	P	Z	15 48 59		
MNG	EP	Z	15 49 10		
JUL 29	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	01 55 20.4	3.45 144.8E	6KM	5.5 BISMARCK SEA	HEL 48
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
KRP	P	ZNE	02 03 34	=0.82	
COB	P	Z	02 03 40		
CNZ	P	Z	02 03 42		
MNG	P	Z	02 03 48		
	(+PP)	Z	53		
JUL 29	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	03 37 49.8	3.45 151.9E	376KM	4.5 NEW IRELAND	HEL 43
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
CRZ	EP	Z	03 44 22		
KRP	P	ZNE	03 44 56	=0.94	
MNG	P	Z	03 45 12		
MSZ	P	Z	03 45 19		
JUL 29	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	06 24 21.6	14.85 167.2E	124KM	5.4 NEW HEBRIDES	HEL 27
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
CRZ	P	ZNE	06 28 48		
KRP	P	ZNE	06 29 28		
MNG	P	Z	06 29 48		
MSZ	P	Z	06 30 19		
JUL 30	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	01 29 11.8	13.15 166.9E	193KM	4.8 NEW HEBRIDES	HEL 29
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
KRP	EP	Z	01 34 27		
MNG	P	Z	01 34 48		
MJZ	EP	Z	01 35 12		
MSZ	EP	Z	01 35 18		

JUL 30	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	05 43 03.0	17.95 168.3E	63KM	NEW HEBRIDES	HEL 24
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
MNG	EP	Z	03 48 09		
JUL 30	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	04 18 44.5	28.54 142.6E	33KM	5.1 BONIN IS	HEL 76
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
KRP	EP	Z	04 30 13		
MJZ	EP	Z	04 30 32		
	MSZ	P	Z	05 09 41	
JUL 30	KRP	EP	Z	08 04 54	
	MNG	EP	Z	08 05 21	
	MSZ	P	Z	08 06 07	
JUL 30	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	23 52 31.7	23.65 177.0W	137KM	4.9 S. OF FIJI	HEL 19
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
KRP	EP	Z	23 56 05		
MNG	EP	Z	23 56 28		
MSZ	EP	Z	23 57 37		
JUL 31	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	02 34 59.5	0.15 127.1E	33KM	5.0 HAWAII	HEL 59
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
MJZ	EP	Z	02 44 52		
KRP	EP	Z	02 45 04		
MNG	EP	Z	02 45 05		
JUL 31	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	05 05 04.3	27.65 66.2E	33KM	5.3 S. INDIAN OCEAN	HEL 85
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
MSZ	P	Z	05 17 06		
MNG	P	Z	05 17 40		
JUL 31	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	08 45 31.5	3.85 151.6E	28KM	4.9 NEW IRELAND	HEL 43
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
KRP	EP	Z	08 53 11		
MNG	EP	Z	08 53 26		
JUL 31	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	11 23 01.2	53.04 170.1W	37KM	5.3 ALEUTIAN IS	HEL 95
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
KRP	EP	Z	11 36 04		
JUL 31	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	13 27 43.6	25.65 179.4E	592KM	4.7 S. OF FIJI	HEL 15
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
CRZ	P	Z	13 30 08		
GNZ	EP	Z	13 30 28		
MNG	EP	Z	13 30 50		
WEL	IP	ZNE	13 31 02.9 U		
MSZ	EP	Z	13 31 49		
	ES	Z	35 09		
JUL 31	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	20 19 31.4	19.35 168.7E	92KM	4.5 NEW HEBRIDES	HEL 23
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
MJZ	EP	Z	20 24 51		
AUG 01	H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th>DIST (DEG)</th>	EPICENTRE	DEPTH	MAG	DIST (DEG)
	12 05 34.6	23.45 177.5W	189KM	5.0 S OF FIJI	HEL 19
		H M S	DIR	LOG _{aa} /T	AZ TZ AN TN AE TE MAG
GNZ	P	ZNE	12 09 05		

	ES	ZNE	11 41						
KRP	P	Z	12 09 09						
MNQ	P	Z	12 09 31						
	ES	Z	12 36						
WEL	ES	ZNE	12 12 58						
COB	P	Z	12 09 47						
AUG 01	KRP	EP	Z 13 24 11						
AUG 01	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
	23 43 44.9	45.64 150.9E	38KM	5.6	KURIL IS				
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	WEL	AE TE	MAG	
	KRP	EP	Z 4 38 13						
	MNQ	EP	Z 23 56 23						
	MJZ	EP	Z 23 56 44						
AUG 02	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
	04 30 29.2	6.55 146.9E	17KM	5.3	NEW GUINEA				
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	WEL	AE TE	MAG	
	KRP	P	Z 04 38 13						
	MSZ	EP	Z 04 38 24						
	MNQ	P	Z 04 38 26						
AUG 02	MNQ	P	Z 04 42 29						
AUG 02	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
	04 43 50.9	5.65 104.5E	79KM	5.4	S, SUMATRA				
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	WEL	AE TE	MAG	
	MNQ	EP	Z 04 55 07						
	MSZ	EP	Z 04 55 40						
AUG 02	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
	20 12 44.4	2.65 126.6E	28KM	5.6	CERAM SEA				
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	WEL	AE TE	MAG	
	MSZ	EP	Z 20 22 19						
	KRP	P	ZNE 20 22 30						
	MNQ	P	Z 20 22 35.8 D						
	GNZ	P	ZE 20 22 44						
AUG 02	KRP	P	Z 20 24 02						
	MNQ	P	Z 20 24 25						
AUG 03	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
	00 22 32.0	4.25 153.0E	65KM	4.3	NEW IRELAND				
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	WEL	AE TE	MAG	
	KRP	P	ZNE 00 29 56						
	CNZ	P	Z 00 30 09						
	COB	P	Z 00 30 08						
	GNZ	P	ZE 00 30 10						
	MNQ	P	Z 00 30 12.5						
	WEL	P	ZNE 00 30 17						
	ES	L	VE 36 26						
	MSZ	P	ZNE 39						
	MSZ	P	Z 00 30 21						
AUG 03	MSZ	P	Z 03 34 54						
AUG 03	MSZ	EP	Z 18 16 40						
AUG 04	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
	01 18 49.4	23.65 179.7E	590KM	4.2	S OF FIJI				
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	WEL	AE TE	MAG	
	GNZ	EP	ZNE 01 21 55						
	S	S	ZNE 24 30						
	KRP	P	Z 01 21 55						
	S	S	ZNE 24 32						
	MNQ	P	Z 01 22 15						
	ES	S	Z 25 04						

	WEL	ES	Z	01 25 22					
	COB	P	Z	01 22 26					
		S	Z	25 27					
AUG 04	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
	02 56 11.9	23.95 177.4W	263KM	3.9	S OF FIJI				
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	WEL	AE TE	MAG	
	KRP	EP	Z 4 4 5						
	MNQ	EP	Z 02 59 32						
			Z 02 59 53						
AUG 04	GNZ	EP	Z 07 40 53						
AUG 04	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
	10 23 28.9	51.44 179.6W	41KM	5.3	ALEUTIAN IS				
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	WEL	AE TE	MAG	
	KRP	P	ZNE 10 36 21						
AUG 04	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
	10 55 38.9	15.15 173.8W	77KM	4.0	TONGA				
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	WEL	AE TE	MAG	
	GNZ	EP	Z 11 00 53						
	KRP	P	ZNE 11 00 55						
	MNQ	EP	Z 11 01 15						
	MSZ	EP	Z 11 02 10						
AUG 04	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
	14 56 03.8	30.05 178.7W	207KM		KERMADEC REGION				
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	WEL	AE TE	MAG	
	GNZ	EP	Z 14 58 12						
	S	S	ZNE 59 48						
	KRP	P	ZNE 14 58 13						
	TUA	S	Z 14 59 53						
	CNZ	P	Z 14 58 29						
	ES	S	Z 59 59						
	TRZ	ES	Z 15 00 16						
	MNQ	EP	Z 14 58 38						
	S	S	Z 15 00 45						
	WEL	S	Z 15 01 03						
	COB	S	Z 15 01 19						
	KAI	ES	Z 15 01 55						
	MSZ	EP	Z 15 00 01						
	ES	S	Z 03 06						
AUG 04	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
	15 25 14.0	17.55 174.2W	160KM	4.3	TONGA				
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	WEL	AE TE	MAG	
	KRP	P	Z 15 30 02						
	GNZ	EP	ZNE 15 30 02						
	MNQ	EP	Z 15 30 25						
AUG 04	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)				
	17 19 19.6	5.75 125.3E	521KM	6.2	BANDA SEA				
		H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	WEL	AE TE	MAG	
	MSZ	IP	Z 17 27 54.3 U						
	PCP	P	Z 28 51						
	I	P	Z 30 57.0 D						
	KRP	IP	ZNE 17 28 08.0 U			0.15			6.5
	E	P	ZNE 22.8						
	PCP	P	ZNE 29 00.0 U						
	E	PP	Z 54						
	E	E	Z 31 13						
	E	E	ZNE 51						
	E	E	NE 33 01						
	S	S	NE 35 15						
	SOS	S	NE 37 03						
	MNQ	IP	Z 17 28 13.0 U						
	EPCP	P	Z 29 02						
	E	E	Z 31 59						

	ES	Z	35 20						
	ESCS	Z	37 10						
GNZ	P	ZNE	17 28 20,5						
	E	Z	34 28						
AUG 04	H M S	EPICENTRE	DEPTH	MAG					
	21 50 02,3	26,9S 70,9W	33KM	5,3 N CHILE					
	KRP EP	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	MNQ EP	Z	22 02 52						WEL 69
		Z	22 03 07						
AUG 05	H M S	EPICENTRE	DEPTH	MAG					
	02 13 09,6	1,3N 126,2E	34KM	5,1 MOLUCCAS					
	MSZ P	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
		Z	02 23 07,0						WEL 61
	KRP P	Z	02 23 17						
	ES	ZNE	02 23 15						
	ESCS	NE	31 27						
	MNQ P	NE	33 11						
		Z	02 23 20						
	WEL P	Z	02 23 30						
	ES	ZNE	02 23 20						
	L	ZNE	31 28						
	GNZ P	ZNE	39						
		ZNE	02 23 27						
	ES	ZNE	37						
	EP	ZNE	31 55						
	CIZ	Z	02 24 06						
AUG 05	H M S	EPICENTRE	DEPTH	MAG					
	03 20 32,4	1,2N 126,3E	47KM	5,1 MOLUCCAS					
	KRP EP	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	MNQ EP	Z	03 30 54						WEL 61
		Z	03 31 02						
AUG 05	H M S	EPICENTRE	DEPTH	MAG					
	06 51 32,8	1,3N 126,3E	37KM	5,2 MOLUCCAS					
	KRP EP	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	MNQ EP	Z	07 01 36						WEL 61
		Z	07 01 42						
AUG 05	H M S	EPICENTRE	DEPTH	MAG					
	13 03 23,3	1,3N 126,4E	18KM	5,2 MOLUCCAS					
	KRP EP	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
		Z	13 13 30						WEL 61
AUG 05	H M S	EPICENTRE	DEPTH	MAG					
	16 32 25,8	5,2S 153,8E	69KM	5,4 NEW IRELAND					
	KRP P	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	ES	ZNE	16 39 39						WEL 41
	COB P	ZNE	45 43						6,7
	I	Z	16 39 51						
	MNQ IP	Z	16 39 56,5						
	E(SCP)	Z	40 00						
	ES	Z	45 46						
	MSZ P	Z	46 12						
		Z	16 40 06						
AUG 05	H M S	EPICENTRE	DEPTH	MAG					
	17 44 01,1	20,6S 169,4E	66KM	4,7 NEW HEBRIDES					
	KRP EP	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
		Z	17 48 09						WEL 21
AUG 06	KRP EP	Z	06 48 03						

DISTANT EARTHQUAKES

	H M S	EPICENTRE	DEPTH	MAG					
AUG 06	07 16 49,6	5,2S 154,0E	120KM	5,0 SOLOMON IS					
	MNQ EP	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	MSZ P	Z	07 24 14						WEL 40
		Z	07 24 25						
AUG 06	GNZ EP	Z	09 45 00						
	MNQ P	Z	09 45 39						
AUG 06	MSZ P	Z	15 11 12						
	KRP P	Z	15 11 42						
AUG 06	KRP EP	Z	16 03 16						
AUG 07	H M S	EPICENTRE	DEPTH	MAG					
	01 10 47,0	20,3S 176,9W	374KM	4,2 FIJI REGION					
	MNQ EP	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
		Z	01 15 05						WEL 22
AUG 07	H M S	EPICENTRE	DEPTH	MAG					
	01 49 33,2	5,3S 154,1E	116KM	5,2 SOLOMON IS					
	KRP P	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	GNZ P	ZNE	01 36 42						WEL 40
	MNQ P	Z	01 36 51						
	MSZ P	Z	01 36 57						
		Z	01 57 07						
AUG 07	H M S	EPICENTRE	DEPTH	MAG					
	06 08 59,6	5,3S 154,0E	129KM	4,9 SOLOMON IS					
	COB P	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	MNQ P	Z	06 16 18						WEL 40
	MSZ P	Z	06 16 23						
		Z	06 16 31						
AUG 07	H M S	EPICENTRE	DEPTH	MAG					
	09 33 09,1	20,7S 178,6W	630KM	4,4 FIJI REGION					
	KRP P	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	MNQ P	Z	09 36 43						WEL 21
	WEL P	Z	09 37 03						
	COB P	Z	09 37 14						
AUG 07	H M S	EPICENTRE	DEPTH	MAG					
	21 03 19,4	5,2S 154,1E	120KM	5,9 SOLOMON IS					
	MSZ EP	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
		Z	21 10 53						WEL 40
AUG 08	H M S	EPICENTRE	DEPTH	MAG					
	05 02 01,5	7,2N 125,7E	52KM	5,2 HINDANAO					
	MSZ EP	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
		Z	05 12 32						WEL 66
AUG 08	H M S	EPICENTRE	DEPTH	MAG					
	06 30 57,1	36,4N 70,9E	198KM	5,8 HINDU KUSH					
	MSZ PKP	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	KRP PKP	Z	06 49 22						WEL 122
	ERP	ZNE	06 49 27						
	MNQ PKP	Z	06 49 28						
	GNZ PKP	ZNE	06 49 31						
AUG 08	H M S	EPICENTRE	DEPTH	MAG					
	11 08 14,8	47,7S 15,8W	33KM	5,9 S ATLANTIC RIDGE					
	MSZ PKP	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	KRP PKP	Z	11 21 06						WEL 91
		ZNE	11 21 30						

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
AUG 08	12	46	46,7	47,5S 15,7W	33KM	5,0 S ATLANTIC RIDGE	WEL 91
	KRP	EP	Z	13 00 03			AE TE MAG
AUG 08	20	44	21,0	6,1S 129,7E	196KM	3,9 BANDA SEA	WEL 93
	MSZ	P	Z	20 53 03,5 U			AE TE MAG
		I	Z	05,0 D			
	KRP	P	ZNE	20 53 14,8 U			
		I	ZNE	15,8 D			
		PPP	Z	54 04			
		PCP	ZNE	24			
		PP	ZNE	35 18			
		EPPP	Z	56 55			
		SCP	Z	58 00			
		ES	VE	21 00 25			
	HEL	P	ZNE	20 53 19,2 U			
		I	ZNE	21,0 D			
		PCP	ZNE	55 24			
		L	Z	06			
	MNG	P	Z	20 53 28,4 U			
		I	Z	38,9 D			
		PP	Z	55 27			
		ESCP	Z	58 04			
		ES	Z	21 00 57			
		P	ZNE	20 54 10			
AUG 09	02	20	36,0	21,3S 179,6W	646KM	4,3 FIJI REGION	WEL 21
	KRP	EP	Z	02 24 21			AE TE MAG
AUG 09	05	17	36,8	19,8S 178,0W	571KM	5,1 FIJI REGION	WEL 22
	KRP	P	ZNE	05 21 23 D			AE TE MAG
		I	ZNE	25,6 U			
	GNZ	P	ZNE	05 21 24			
		ES	VE	24 28			
	MNG	EP	Z	05 21 43			
		ES	Z	25 10			
	COB	ES	Z	05 25 54			
AUG 09	10	04	28,9	22,1S 177,9W	390KM	4,3 S OF FIJI	WEL 21
	KRP	P	ZNE	10 07 56,4			AE TE MAG
	GNZ	P	Z	10 07 57			
		ES	ZNE	10 54			
	MNG	EP	Z	10 08 19			
		ES	Z	11 36			
	COB	EP	Z	10 08 34			
AUG 10	04	05	13,3	5,2S 154,0E	124KM	5,0 SOLOMON IS	WEL 47
	KRP	EP	Z	04 12 20			AE TE MAG
	MNG	EP	Z	04 12 36			
	MSZ	P	Z	04 12 46			
AUG 11	KRP	EP	Z	02 40 49			

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
AUG 11	10	43	33,9	4,3S 153,7E	280KM	5,0 NEW IRELAND	WEL 41
	MNG	P	Z	10 50 53			AE TE MAG
	MSZ	P	Z	10 51 01			
AUG 11	MSZ	EP	Z	12 17 52			
AUG 11	MNG	EP	Z	12 59 44			
AUG 11	21	27	29,8	43,6N 147,8E	14KM	5,9 KURIL IS	WEL 88
	MNG	EP	Z	21 40 15			AE TE MAG
AUG 11	21	27	39,4	43,5N 147,4E	28KM	7,1 KURIL IS	WEL 89
	KRP	EP	Z	21 40 10			AE TE MAG
	GNZ	EP	Z	21 40 23			
	GNZ	EP	Z	21 40 23			
	MNG	EP	Z	21 40 24			
	COB	P	Z	21 40 30			
	HEL	P	Z	21 40 32			
	MSZ	EP	Z	21 40 38			
AUG 11	KRP	(P)	Z	21 39 16			
AUG 11	KRP	EP	Z	21 48 44			
	MNG	EP	Z	21 48 50			
AUG 11	21	40	59,4	43,8N 147,5E	33KM	5,0 KURIL IS	WEL 88
	KRP	EP	Z	21 53 28			AE TE MAG
AUG 11	21	55	35,3	44,0N 145,7E	86KM	5,5 HOKKAIDO	WEL 89
	KRP	EP	Z	22 08 00			AE TE MAG
AUG 11	KRP	EP	Z	21 58 23			
AUG 11	KRP	EP	Z	22 18 27			
AUG 11	22	27	44,7	42,7N 147,4E	33KM	5,0 HOKKAIDO	WEL 87
	KRP	EP	Z	22 39 59			AE TE MAG
AUG 11	23	02	53,8	43,1N 147,8E	33KM	5,5 KURIL IS	WEL 87
	KRP	EP	Z	23 15 18			AE TE MAG
	MNG	EP	Z	23 15 51			
AUG 11	KRP	EP	Z	23 25 32			
AUG 11	KRP	EP	Z	23 54 37			
AUG 11	23	52	54,9	1,7N 126,5E	34KM	5,1 MOLUCCAS	WEL 61
	MSZ	P	Z	24 02 57			AE TE MAG
	COB	P	Z	24 03 01			
	PP	Z	Z	05 10,5			
	KRP	EP	Z	24 03 02			

	GNZ EP	Z	14 02 43						
	MNG P	Z	14 02 52						
	COB P	Z	14 02 54						
AUG 17	KRP P	Z	14 38 34						
AUG 17	H M S	EPICENTRE	DEPTH	MAG					
	15 02 41.3	1,3V 122,6E	42KM	5,3 SULAWESI					
		H M S	DIR	LOG _w A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	MSZ P	Z	15 12 52,5						
	KRP EP	Z	15 13 04						
	MNG P	Z	15 13 09,5						
AUG 17	H M S	EPICENTRE	DEPTH	MAG					
	16 07 43,7	18,0S 178,5E	610KM	4,9 FIJI REGION					
		H M S	DIR	LOG _w A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	CRZ P	ZNE	16 11 23						
	GBZ EP	Z	16 11 30						
	KRP P	ZNE	16 11 43						
	MNG P	Z	16 12 03						
	WEL EP	Z	16 12 10						
	COB P	Z	16 12 14						
	MJZ EP	Z	16 12 40						
	MSZ P	Z	16 12 56						
AUG 17	H M S	EPICENTRE	DEPTH	MAG					
	17 29 09,3	53,2S 158,4E	33KM	MACQUARIE IS					
		H M S	DIR	LOG _w A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	MSZ P	Z	17 31 17						
	COB EP	Z	17 32 23						
AUG 17	H M S	EPICENTRE	DEPTH	MAG					
	18 26 38,8	22,2S 170,3E	28KM	5,2 LOYALTY IS					
		H M S	DIR	LOG _w A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	KRP EP	Z	18 30 34						
	MNG P	Z	18 31 00						
	MSZ EP	Z	18 31 38						
AUG 17	H M S	EPICENTRE	DEPTH	MAG					
	20 27 29,2	25,4V 109,2E	18KM	5,4 BAJA CALIFORNIA					
		H M S	DIR	LOG _w A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	WEL P	ZNE	20 40 32						
AUG 18	H M S	EPICENTRE	DEPTH	MAG					
	01 04 04,7	56,0S 123,4W	33KM	5,1 S PACIFIC OCEAN					
		H M S	DIR	LOG _w A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	WEL P	Z	01 11 52						
	S	ZNE	18 22						
	(LQ)	ZNE	21						
	LR	ZNE	23						
	MNG EP	Z	01 11 54						
	MJZ P	Z	01 12 00						
	ROX S	NE	01 18 29						
	(LQ)	ZNE	21						
	LR	ZNE	23						
	KRP EP	Z	01 12 11						
AUG 18	MNG EP	Z	01 29 39						
AUG 18	KRP EP	Z	02 17 37						
	MNG P	Z	02 17 59						
AUG 18	MNG EP	Z	02 21 43						
AUG 18	KRP P	Z	05 07 07						
AUG 18	MNG EP	Z	05 37 59						

AUG 18	KRP EP	Z	03 31 19						
AUG 18	H M S	EPICENTRE	DEPTH	MAG					
	07 37 41,4	14,8S 167,3E	140KM	5,0 NEW HERRIDES					
		H M S	DIR	LOG _w A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	KRP P	Z	07 42 45,5						
	GNZ EP	Z	07 42 59						
	MNG P	Z	07 43 07						
	COB P	Z	07 43 08						
	WEL P	Z	07 43 14,5						
	MSZ P	Z	07 43 36						
AUG 18	H M S	EPICENTRE	DEPTH	MAG					
	11 43 30,5	43,8V 148,5E	39KM	5,4 KURIL IS					
		H M S	DIR	LOG _w A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	KRP EP	Z	11 36 05						
AUG 18	H M S	EPICENTRE	DEPTH	MAG					
	14 09 45,9	29,1S 177,6W	60KM	5,3 KEPMADEC REGION					
		H M S	DIR	LOG _w A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	KRP EP	Z	14 12 14						
	E	ZNE	32						
	S	NE	14 22						
	MNG EP	Z	14 12 41						
	S	Z	14 58						
	WEL EP	Z	14 12 53						
	S	ZNE	15 16						
	MSZ P	Z	14 14 04						
AUG 18	H M S	EPICENTRE	DEPTH	MAG					
	17 15 24,7	2,4S 102,2E	142KM	5,2 S SUMATRA					
		H M S	DIR	LOG _w A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	MNG EP	Z	17 26 55						
AUG 19	H M S	EPICENTRE	DEPTH	MAG					
	01 35 29,9	21,8S 179,7W	649KM	4,4 FIJI REGION					
		H M S	DIR	LOG _w A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	KRP P	ZNE	01 08 51						
	GNZ P	Z	01 08 59						
	ES	Z	11 50						
	MNG P	Z	01 09 11						
	ES	Z	12 11						
	WEL P	Z	01 09 19						
	ES	ZNE	12 27						
	COB P	Z	01 09 22						
	S	Z	12 30						
	GPZ E(S)	Z	01 13 09						
AUG 19	MNG P	Z	01 15 48						
AUG 19	H M S	EPICENTRE	DEPTH	MAG					
	01 39 08,3	6,1S 105,3E	50KM	5,1 W JAVA					
		H M S	DIR	LOG _w A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	MJZ EP	ZNE	01 50 05						
	COB EP	Z	01 50 11						
	WEL EP	Z	01 50 28						
	KRP EP	Z	01 50 24						
	MNG EP	Z	01 50 24						
AUG 19	H M S	EPICENTRE	DEPTH	MAG					
	02 12 48,5	10,4S 161,5E	70KM	5,0 SOLOMON IS					
		H M S	DIR	LOG _w A/T	AZ TZ	AN TN	AE TE	MAG	DIST (DEG)
	KRP P	Z	02 18 54						
	COB P	Z	02 19 11						
	MNG P	Z	02 19 14						
	MJZ P	Z	02 19 30,5						

H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
AUG 28 11 55 17.5	6.15 170.9E	49KM	4.6 NEW BRITAIN	WEL 41
	4 M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
GNZ EP	Z 12 02 58			
MNQ EP	Z 12 03 00			
AUG 28 13 54 11.0	31.55 177.9W	29KM	5.3 KERMADEC IS	WEL 11
	4 M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
GNZ P	ZNE 13 36 02			
S	ZNE 13 37 37			
WEL EP	ZNE 13 36 52			
S	ZNE 13 38 55			
MJZ EP	ZNE 13 37 45			
S	ZNE 14 00 31			
MSZ P	Z 13 38 06			
E	Z 39 31			
E	Z 14 00 14			
S	Z 01 15			
AUG 28 09Z E(S)	ZNE 14 05 33			
MNQ E(S)	Z 14 06 29			
MSZ E(P)	Z 14 06 12			
AUG 28 09Z E(S)	ZNE 14 16 53			
MNQ E(S)	Z 14 17 47			
MSZ E(P)	Z 14 17 37			
AUG 28 09Z EP	ZNE 15 09 49			
S	ZNE 11 17			
MNQ EP	Z 15 10 28			
ES	Z 12 19			
MJZ ES	ZNE 15 13 43			
MSZ P	Z 15 11 31			
AUG 28 15 10 29.3	5.95 149.3E	100KM	NEW BRITAIN	WEL 42
	4 M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
COB P	Z 15 18 04			
GNZ P	ZN 15 18 10			
MNQ P	Z 15 18 11			
MSZ EP	Z 15 18 12			
AUG 28 16 49 56.8	31.85 177.8W	23KM	5.1 KERMADEC IS	WEL 11
	4 M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
GNZ P	ZNE 16 31 45			
S	ZNE 16 33 12			
WEL S	ZNE 16 34 31			
MJZ P	ZNE 16 33 24			
S	ZNE 16 36 06			
MSZ EP	Z 16 33 48			
ES	Z 16 36 30			
AUG 28 09Z S	ZNE 22 37 21			
EP	Z 22 35 10			
E(S)	Z 37 35			
MNQ EP	Z 22 36 30			
ES	Z 38 25			
MJZ EP	Z 22 37 38			
S	Z 23 00 16			
MSZ P	Z 22 37 37.5			
ES	Z 23 00 57			

DISTANT EARTHQUAKES

H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
AUG 28 23 09 32.6	22.7N 141.9E	247KM	4.9 VOLCANO IS	WEL 71
	4 M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
MNQ EP	Z 23 20 18			
AUG 29 05 40 04				
MSZ E(P)	Z 05 40 04			
(=PP)	Z 18			
MNQ EP	Z 05 41 19			
CNZ EP	Z 05 41 29			
AUG 29 06 45 09.6	31.55 177.6W	33KM	4.6 KERMADEC IS	WEL 12
	4 M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
GNZ P	ZNE 06 46 53			
S	ZNE 47 23			
CNZ P	Z 06 47 16			
S	Z 49 07			
MNQ P	Z 06 47 30			
S	Z 49 25			
MSZ P	Z 06 48 59			
S	Z 50 57			
AUG 29 10 02 49.6	26.3N 96.1E	73KM	5.4 BURMA	WEL 99
	4 M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
MSZ P	Z 10 16 11			
COB P	Z 10 16 17			
CNZ P	Z 10 16 11			
MNQ EP	Z 10 16 24			
AUG 29 10 38 22.7	10.35 111.9E	36KM	S OF JAVA	WEL 63
	4 M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
MSZ P	Z 11 08 20.6			
COB P	Z 11 08 38			
AUG 29 12 15 54.9	1.6N 126.9E	33KM	4.9 MOLUCCAS	WEL 61
	4 M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
MSZ P	Z 12 25 55			
COB EP	Z 12 26 00			
AUG 29 15 22 28.8	5.95 110.7E	343KM	5.2 JAVA SEA	WEL 67
	4 M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
MSZ P	Z 15 32 03.8			
COB P	Z 15 32 19			
CNZ P	Z 15 32 29			
MNQ P	Z 15 32 39			
AUG 29 15 26 02.1	5.75 110.6E	315KM	5.2 JAVA SEA	WEL 67
	4 M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
MSZ P	Z 15 35 40			
COB P	Z 15 35 55			
CNZ EP	Z 15 36 02			
MNQ P	Z 15 36 05.5			
AUG 29 17 24 04.9	17.9S 175.2W	270KM	4.5 TONGA	WEL 25
	4 M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
GNZ EP	Z 17 28 36			
S	VE 32 13			
CNZ P	Z 17 28 46			
E	Z 50			
MNQ P	Z 17 28 55			
COB P	Z 17 29 08.5			

SEP 01	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	08 14 39,1	58,95 149,1E	33KM	5,1 W, OF MACQUARIE IS	WEL 24
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
MNQ	EP	Z 08 18 57			
MSZ	EP	Z 08 19 18			
MJZ	EP	Z 08 19 25			
WEL	P	Z 08 20 07			
MNQ	P	Z 08 20 15			
SEP 01	09 45 37,6	40,54 143,8E	33KM	5,0 E, OF HONSHU	WEL 84
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
MNQ	EP	Z 09 58 39			
SEP 01	MNQ EP	Z 10 00 11			
	E(S)	Z 02 14			
MSZ	EP	Z 10 01 41			
SEP 01	10 32 22,3	30,55 177,6W	33KM	4,8 KERMADEC REGION	WEL 12
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
ECZ	ES	Z 10 35 45			
GNZ	EP	ZNE 10 34 26			
WEL	E	ZNE 10 37 23			
MNQ	EP	Z 10 34 58			
	E	Z 35 03			
MSZ	EP	Z 10 36 28			
	E	Z 30			
SEP 01	12 09 24,8	30,55 177,5W	33KM	4,7 KERMADEC REGION	WEL 12
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
MNQ	EP	Z 12 12 02			
WEL	ES	ZNE 12 14 25			
MSZ	EP	Z 12 13 32			
SEP 01	18 13 39,3	18,65 179,7W	301KM	4,9 TONGA	WEL 24
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
GNZ	EP	Z 18 17 57			
MNQ	EP	Z 18 18 19			
WEL	EP	ZNE 18 18 26			
MSZ	EP	Z 18 19 16			
SEP 02	02 06 18,2	31,48 177,0W	26KM	5,2 KERMADEC IS	WEL 12
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
GNZ	P	ZNE 02 08 17			
CNZ	P	Z 02 08 39			
MNQ	EP	Z 02 08 49			
WEL	EP	ZNE 02 09 07			
MJZ	EP	ZNE 02 09 57			
MSZ	P	Z 02 10 19			
	I	Z 21,1 U			
SEP 02	03 47 39,1	27,75 66,5W	174KM	5,5 ANDES	WEL 91
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
GNZ	EP	Z 03 59 55			
MNQ	EP	Z 03 59 55			
MJZ	EP	Z 03 59 58			
COB	P	Z 03 59 59			
	E-PP	Z 04 00 42			
CNZ	P	Z 04 00 00			
MSZ	EP	Z 04 00 01			

SEP 02	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	12 07 16,5	36,34 137,7E	10KM	4,5 HONSHU	WEL 84
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
MNQ	EP	Z 12 19 38			
COB	EP	Z 12 19 49			
SEP 02	12 38 36,7	2,94 126,7E	47KM	5,3 MOLOCCAS	WEL 62
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
COB	EP	Z 12 48 43			
MJZ	EP	ZNE 12 48 47			
SEP 02	MNQ EP	Z 14 12 49			
	COB EP	Z 14 13 01			
SEP 02	20 27 01,1	30,55 179,0W	16KM	4,3 KERMADEC REGION	WEL 12
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
MNQ	EP	Z 20 29 43			
SEP 02	21 20 22,4	14,24 144,8E	67KM	4,5 HARIANA IS	WEL 62
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
COB	P	Z 21 30 24			
MNQ	P	Z 21 30 29			
SEP 03	00 48 38,9	17,55 167,9E	28KM	4,6 NEW HEBRIDES	WEL 24
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
KRP	EP	Z 00 53 28			
MNQ	EP	Z 00 53 53			
SEP 03	01 32 00,8	4,44 128,4E	38KM	5,2 HALMAHERA	WEL 62
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
KRP	EP	Z 01 42 08			
MJZ	P	ZNE 01 42 11			
SEP 03	05 13 47,7	31,95 178,0W	141KM	4,4 KERMADEC IS	WEL 11
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
ECZ	EP	Z 05 15 22			
KRP	EP	ZNE 05 15 34			
GNZ	ES	ZNE 05 17 35			
SEP 03	14 10 09,7	17,15 168,8E	224KM	3,8 NEW HEBRIDES	WEL 25
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
KRP	P	ZNE 14 14 45			
GNZ	P	ZNE 14 14 56			
CNZ	P	Z 14 14 57			
TRZ	EP	Z 14 15 01			
MNQ	P	Z 14 15 07			
SEP 03	16 20 21,5	31,94 140,2E	16KM	5,3 S, OF HONSHU	WEL 79
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
KRP	EP	Z 16 32 12			
CNZ	P	Z 16 32 23			
SEP 04	03 08 52,0	46,64 153,5E	33KM	5,4 KURIL IS	WEL 99
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
MNQ	EP	Z 03 21 43			

SEP 04	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	16 29 00.2	7.05 129.2E	164KM	5.3 BANDA SEA	WEL 93
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
MSZ	P	Z 16 37 43			
COB	EP	Z 16 37 51			
MJZ	P	ZNE 16 37 51			
KRP	EP	ZNE 16 37 55			
GNZ	P	ZNE 16 38 09			
SEP 04	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	17 18 48.8	35.3N 129.1E	33KM	4.7 PALESTINE	WEL 149
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
KRP	EPKP	Z 17 38 23			
SEP 05	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	00 25 58.9	18.1S 173.2W	33KM	4.9 TONGA	WEL 25
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
KRP	EP	ZNE 00 30 53			
CNZ	EP	Z 00 31 03			
TNZ	EP	Z 00 31 11			
MNQ	EP	Z 00 31 13			
MNW	EP	Z 00 32 29			
SEP 05	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	11 42 14.0	22.7N 121.7E	33KM	5.6 TAIWAN	WEL 80
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
KRP	EP	Z 11 34 16			
MSZ	P	Z 11 34 19			
MJZ	P	ZNE 11 34 22			
MNW	P	Z 11 34 22			
MNQ	EP	Z 11 34 23			
SEP 05	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	16 07 06.4	9.3S 154.0E	180KM	5.4 SOLOMON IS	WEL 43
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
MSZ	P	Z 16 14 33			
MJZ	EP	Z 16 14 33			
MNW	EP	Z 16 14 40			
SEP 05	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	19 49 36.7	15.8S 176.7W	458KM	4.4 FIJI REGION	WEL 26
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
KRP	P	ZNE 19 54 03			
GNZ	EP	Z 19 54 04			
MNQ	EP	Z 19 54 23			
MNW	P	Z 19 55 27			
SEP 05	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	21 00 55.1	30.6S 178.3W	100KM	4.6 KERMADEC REGION	WEL 12
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
ECZ	S	Z 21 03 34			
GNZ	ES	ZNE 21 03 44			
MNQ	EP	Z 21 03 21			
SEP 06	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	11 41 30.6	49.5N 153.3E	170KM	4.9 KURIL IS	WEL 92
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
KRP	P	Z 11 54 28			
MNQ	EP	Z 11 34 38			
SEP 06	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	14 49 55.9	8.8S 157.8E	15KM	5.8 SOLOMON IS	WEL 38
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
KRP	P	ZNE 14 56 33			
ES		ZNE 15 01 56			

SEP 06	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	16 17 15.5	30.0N 140.6E	39KM	5.3 S. OF HONSHU	WEL 78
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
KRP	EP	Z 16 28 50			
CNZ	EP	Z 16 28 55			
MNQ	P	Z 16 29 02			
SEP 06	H M S	EPICENTRE	DEPTH <th>MAG</th> <th>DIST (DEG)</th>	MAG	DIST (DEG)
	17 08 03.2	8.9S 157.9E	10KM	5.8 SOLOMON IS	WEL 36
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
KRP	P	Z 17 14 40			
CNZ	P	Z 17 14 50			
MNQ	EP	Z 17 14 57			
MJZ	P	Z 17 15 18			
ROX	ES	E 17 21 11			
SEP 06	H M S	EPICENTRE	DEPTH <th>MAG</th> <th>DIST (DEG)</th>	MAG	DIST (DEG)
	22 09 30.6	18.7S 169.2E	233KM	4.9 NEW HEBRIDES	WEL 23
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
KRP	EP	ZNE 22 13 47			
MNQ	IP	Z 22 14 11.2 D			
SEP 07	H M S	EPICENTRE	DEPTH <th>MAG</th> <th>DIST (DEG)</th>	MAG	DIST (DEG)
	03 06 02.2	8.9S 157.7E	33KM	5.6 SOLOMON IS	WEL 36
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
KRP	P	ZNE 03 12 37			
CNZ	EP	Z 03 12 47			
MNQ	P	Z 03 12 56			
SEP 07	H M S	EPICENTRE	DEPTH <th>MAG</th> <th>DIST (DEG)</th>	MAG	DIST (DEG)
	05 00 46.1	2.8N 128.8E	217KM	5.0 HALMAHERA	WEL 61
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
MSZ	P	Z 05 10 25			
KRP	P	ZNE 05 10 28			
MNW	P	Z 05 10 28			
MNQ	P	Z 05 10 36			
GNZ	P	ZNE 05 10 41			
SEP 07	H M S	EPICENTRE	DEPTH <th>MAG</th> <th>DIST (DEG)</th>	MAG	DIST (DEG)
	06 21 05.1	9.0S 158.0E	35KM	5.2 SOLOMON IS	WEL 35
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
MNQ	EP	Z 06 27 56			
SEP 07	H M S	EPICENTRE	DEPTH <th>MAG</th> <th>DIST (DEG)</th>	MAG	DIST (DEG)
	08 40 34.3	6.6S 155.8E	173KM	5.3 SOLOMON IS	WEL 38
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
KRP	P	ZNE 08 47 22			
GNZ	P	ZNE 08 47 34			
MNQ	IP	Z 08 47 39.0 U			
MSZ	EP	Z 08 47 49			
MNW	EP	Z 08 47 56			
SEP 07	H M S	EPICENTRE	DEPTH <th>MAG</th> <th>DIST (DEG)</th>	MAG	DIST (DEG)
	15 12 31.9	17.6S 175.5W	328KM	4.2 TONGA	WEL 25
				LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
GNZ	EP	Z 15 16 58			
KRP	EP	Z 15 17 00			
SEP 08	MNQ	P	Z 06 03 47		

SEP 08	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	12 45 34,6	51,13 153,4E	47KM	5,2 NEW IRELAND	HEL 41
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
KRP	EP	Z 12 52 59			
CNZ	P	Z 12 53 04			
MNG	P	Z 12 53 11			
MNA	P	Z 12 53 26			
SEP 08	KRP P	Z 12 58 54			
	MNG EP	Z 12 58 59			
SEP 08	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	17 52 26,5	14,95 157,4E	152KM	4,2 NEW HEBRIDES	HEL 27
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
KRP	EP	Z 17 57 31			
MNG	EP	Z 17 57 51			
SEP 09	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	05 15 37,7	39,7N 137,0E	29KM	5,5 HONSHU	HEL 84
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
KRP	EP	ZNE 05 27 57			
MNG	EP	Z 05 28 10			
HEL	EP?	Z 05 28 14			
MJZ	EP	ZNE 05 28 18			
MSZ	EP	Z 05 28 20			
SEP 10	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	12 14 00,4	39,2N 41,4E	30KM	5,2 TURKEY	HEL 149
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
KRP	EPKP	ZNE 12 33 31			
MNG	PKP	Z 12 33 32			
SEP 11	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	12 31 32,4	18,7S 175,8W	290KM	4,4 TONGA	HEL 24
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
MNG	EP	Z 12 36 15			
COB	EP	Z 12 36 28			
		Z	30		
SEP 11	MNG	EP?	Z 12 35 17		
SEP 11	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	18 56 19,2	25,6S 179,5E	567KM	4,3 S. OF FIJI	HEL 16
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
CNZ	ES	Z 19 01 49			
MNG	ES	Z 19 02 04			
COB	EP	Z 18 59 38			
SEP 11	MNG	EP?	Z 22 38 06		
		P	Z 13		
SEP 12	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	03 14 44,9	18,6S 174,9W	134KM	5,1 TONGA	HEL 24
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
GNZ	EP	ZNE 03 19 19			
KRP	P	ZNE 03 19 19			
CNZ	EP	Z 03 19 32			
MNG	P	Z 03 19 40,6			
HEL	EP	Z 03 19 50			
COB	EP	Z 03 19 53			
SEP 12	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	08 00 16,8	51,1V 179,3W	49KM	5,2 ALEUTIAN IS	HEL 92
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
KRP	EP	Z 08 13 07			

SEP 12	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	08 57 07,3	51,2V 179,2W	48KM	6,0 ALEUTIAN IS	HEL 92
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
KRP	P	ZNE 09 10 00			
HEL	SKS	V 09 20 41			
		LQ	35		
		LR	40		
SEP 12	MNG	EP	Z 12 01 10		
SEP 12	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	12 59 39,1	5,8S 147,4E	145KM	4,6 NEW GUINEA	HEL 43
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
COB	EP	Z 13 07 17			
MNG	P	Z 13 07 23			
SEP 12	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	15 00 18,8	51,3V 179,2W	53KM	5,6 ALEUTIAN IS	HEL 92
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
KRP	P	ZNE 15 13 09			
MNG	EP	Z 15 13 18			
COB	EP	Z 15 13 23			
SEP 12	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	16 32 36,3	16,6S 167,7E	3KM	5,0 NEW HEBRIDES	HEL 29
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
KRP	EP	Z 16 37 36			
MNG	EP	Z 16 38 01			
SEP 13	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	00 34 39,4	24,5S 179,9E	579KM	4,9 S. OF FIJI	HEL 17
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
CRZ	P	ZNE 00 37 12			
KRP	EP	Z 00 37 32			
		S	40 08		
		VE	40 08		
GNZ	S	ZNE 00 40 04			
CNZ	P	Z 00 37 44			
MNG	EP	Z 00 37 54			
		E	57		
		(SCP)	Z 45 05		
HEL	P	ZNE 00 38 05			
		S	40 59		
COB	P	Z 00 38 08			
MJZ	EP	ZNE 00 38 35			
		ESCP	Z 45 15		
MSZ	EP	Z 00 38 52			
MNA	EP	Z 00 39 00			
SEP 13	KRP	EP	Z 02 12 12		
SEP 13	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	10 52 58,0	22,9S 68,4W	140KM	5,4 N. CHILE	HEL 93
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
GNZ	P	ZNE 11 06 02			
KRP	P	ZNE 11 06 10			
			0,61		
SEP 13	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	11 19 03,0	33,8V 141,6E	35KM	5,0 E. OF HONSHU	HEL 81
		H M S	DIR	LOG _a /T AZ TZ AN TN	AE TE MAG
KRP	EP	Z 11 31 01			
MSZ	P?	Z 11 31 20			
SEP 14	KRP	P	Z 07 58 57		
	MNG	EP	Z 07 59 19		

SEP	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
SEP 14	10	02	20.2	6,3N 125,3E H M S 10 12 50	35KM DIR	5,3 MINDANAO LOG ₀ A/T AZ TZ AN TN	WEL 85 AE TE MAG
SEP 14	14	27	55.1	22,15 179,7W H M S 14 30 53	600KM DIR	4,7 S. OF FIJI LOG ₀ A/T AZ TZ AN TN	WEL 23 AE TE MAG
SEP 14	16	15	24.8	39,7N 74,9E H M S 16 34 11	33KM DIR	5,5 N. TIBET LOG ₀ A/T AZ TZ AN TN	WEL 121 AE TE MAG
SEP 15	03	22	27.3	3,5S 102,9E H M S 03 34 03	33KM DIR	5,1 S. SUMATRA LOG ₀ A/T AZ TZ AN TN	WEL 74 AE TE MAG
SEP 15	14	45	42.0	51,9N 175,5E H M S 14 58 43	90KM DIR	5,2 ALEUTIAN IS LOG ₀ A/T AZ TZ AN TN	WEL 93 AE TE MAG
SEP 15	18	47	41.3	45,5N 151,6E H M S 19 00 43	44KM DIR	5,3 KURIL IS LOG ₀ A/T AZ TZ AN TN	WEL 89 AE TE MAG
SEP 16	00	34	09.0	22,8S 176,7W H M S 00 38 03	246KM DIR	4,1 S. OF FIJI LOG ₀ A/T AZ TZ AN TN	WEL 23 AE TE MAG
SEP 16	15	34	13.2	61,6S 194,0E H M S 15 38 20	31KM DIR	5,3 BALLENY IS LOG ₀ A/T AZ TZ AN TN =0,77	WEL 24 AE TE MAG 5,4
SEP 17	01	23	54.1	59,0S 24,8W H M S 01 36 11	33KM DIR	5,1 SOUTH SANDWICH IS LOG ₀ A/T AZ TZ AN TN	WEL 79 AE TE MAG
SEP 17	17	56	49.9	22,5S 173,4E H M S 18 00 25	104KM DIR	4,2 LOYALTY IS LOG ₀ A/T AZ TZ AN TN	WEL 19 AE TE MAG

DISTANT EARTHQUAKES

SEP	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
SEP 17	18	40	49.8	31,1N 131,3E H M S 18 52 59	8KM DIR	6,2 KYUSHU LOG ₀ A/T AZ TZ AN TN	WEL 82 AE TE MAG
SEP 17	18	51	07.8	31,2N 131,4E H M S 19 03 20	23KM DIR	5,5 KYUSHU LOG ₀ A/T AZ TZ AN TN	WEL 82 AE TE MAG
SEP 18	02	15	17.7	19,3S 169,4E H M S 02 19 33	168KM DIR	4,6 NEW HEBRIDES LOG ₀ A/T AZ TZ AN TN	WEL 22 AE TE MAG
SEP 18	05	07	36.1	25,3S 179,6W H M S 05 10 25	525KM DIR	4,1 S. OF FIJI LOG ₀ A/T AZ TZ AN TN	WEL 17 AE TE MAG
SEP 18	11	57	33.0	3,2S 136,4E H M S 12 06 22	90KM DIR	5,4 WEST IRIAN LOG ₀ A/T AZ TZ AN TN	WEL 51 AE TE MAG
SEP 18	22	30	17.5	5,1S 150,7E H M S 22 37 15	246KM DIR	4,9 NEW BRITAIN LOG ₀ A/T AZ TZ AN TN	WEL 42 AE TE MAG
SEP 19	00	47	44.7	17,0S 177,0W H M S 00 52 35	45KM DIR	4,3 FIJI REGION LOG ₀ A/T AZ TZ AN TN	WEL 25 AE TE MAG
SEP 19	01	29	37.4	6,1N 125,4E H M S 01 40 03	95KM DIR	5,7 MINDANAO LOG ₀ A/T AZ TZ AN TN	WEL 69 AE TE MAG
SEP 19	03	39	57.0	55,9S 27,8W H M S 03 52 21	65KM DIR	5,4 SOUTH SANDWICH IS LOG ₀ A/T AZ TZ AN TN	WEL 81 AE TE MAG
SEP 19	05	00	17.2	24,7S 70,0W H M S 05 13 24	95KM DIR	4,7 N. CHILE LOG ₀ A/T AZ TZ AN TN	WEL 91 AE TE MAG

SEP 19	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	06 49 48.9	17,4S 177,2W	206KM	4,2 FIJI REGION	WEL 25
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP EP	Z 06 54 19			
SEP 19	MNQ EP	Z 06 56 05			
SEP 19	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	07 08 33.9	4,6S 153,2E	81KM	4,9 NEW IRELAND	WEL 41
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	MNQ P	Z 07 16 30			
	MJZ EP	Z 07 16 38			
SEP 19	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	11 08 18.3	19,5S 169,6E	296KM	4,3 NEW HEBRIDES	WEL 22
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	CRZ P	Z 11 11 43			
	KRP P	Z 11 12 24			
	MNQ P	Z 11 12 50			
SEP 19	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	12 23 46.1	22,5S 179,8W	600KM	4,7 S. OF FIJI	WEL 19
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	CRZ EP	Z 12 26 41			
	KRP EP	Z 12 27 01			
	CNZ EP	Z 12 27 12			
	MNQ P	Z 12 27 23			
SEP 19	KRP EP	Z 19 52 57			
	MNQ EP	Z 19 53 17			
	MJZ EP?	Z 19 53 45			
SEP 19	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	20 40 34.3	48,2V 153,4E	140KM	5,1 KURIL IS	WEL 91
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP EP	Z 20 53 10			
SEP 20	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	05 08 57.6	58,3V 32,2W	33KM	5,6 N. ATLANTIC OCEAN	WEL 156
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	GNZ EPKP	ZNE 05 28 31			
	MNQ EPKP	Z 05 28 40			
SEP 20	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	08 56 44.8	3,1S 142,0E	38KM	5,1 BISHARCK SEA	WEL 48
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP P	ZNE 09 05 08			
	MJZ EP?	Z 09 05 19			
	MNQ P	Z 09 05 20			
	GNZ P	ZNE 09 05 22			
SEP 20	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	15 26 41.5	1,8V 101,0W	33KM	5,5 EAST PACIFIC OCEAN	WEL 87
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP EP	ZNE 15 39 19			
	MNQ P	Z 15 39 22			
	MJZ EP	Z 15 39 41			
	MSZ P	Z 15 39 50			
SEP 20	MNQ P	Z 15 39 53			
SEP 21	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	02 00 54.3	23,6S 68,1W	120KM	5,5 N. CHILE	WEL 93
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	GNZ EP	Z 02 13 56			
	KRP EP	ZNE 02 14 04			
	E+PP	Z 39			

SEP 21	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	07 11 53.6	17,5S 174,7W	235KM	5,9 TONGA	WEL 25
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	GNZ P	ZNE 07 16 31			
	KRP EP	ZNE 07 16 32			
	MNQ EP	Z 07 16 54			
	MSZ EP	Z 07 17 50			
SEP 21	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	20 48 09.0	56,9S 139,9W	33KM	4,9 PACIFIC-ANTARCTIC R.	WEL 33
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	MJZ EP	Z 20 54 39			
SEP 21	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	21 15 40.2	31,8S 178,9W	117KM	4,0 KERMADEC IS	WEL 11
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	GNZ EP	ZNE 21 18 44			
	WEL S	ZNE 21 20 03			
SEP 22	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	01 18 09.2	8,2S 121,2E	169KM	FLORES REGION	WEL 58
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP EP	Z 01 27 41			
	MNQ P	Z 01 27 45			
SEP 22	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	01 46 13.5	2,9V 95,9E	33KM	5,3 N. SUMATRA	WEL 84
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	MNQ EP	Z 01 58 41			
	KRP EP	Z 01 58 44			
	CNZ EP	Z 01 58 55			
SEP 22	KRP EP	Z 03 09 11			
	MNQ EP	Z 03 09 33			
SEP 22	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	03 52 37.4	2,9V 95,9E	33KM	5,3 N. SUMATRA	WEL 84
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	MNQ P	Z 04 05 05			
SEP 22	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	11 41 42.5	17,8V 145,6E	133KM	4,1 MARIANA IS	WEL 65
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP P	Z 11 51 48			
	GNZ EP	Z 11 51 58			
	MNQ EP	Z 11 52 02			
SEP 22	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	13 47 52.2	5,0V 32,6W	33KM	5,7 MID-ATLANTIC RIDGE	WEL 135
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	MJZ EPKP	Z 14 07 14			
SEP 23	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	01 22 03.3	27,3S 113,4W	33KM	5,3 NEAR EASTER IS	WEL 59
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	MNQ EP	Z 01 32 02			
	KRP EP	ZNE 01 32 06			
	MJZ EP	Z 01 32 23			
	MSZ EP	Z 01 32 33			
SEP 23	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	14 12 51.9	20,0S 176,1W	294KM	4,6 FIJI REGION	WEL 23
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	GNZ EP	Z 14 16 56			
	KRP EP	Z 14 16 57			
	MNQ EP	Z 14 17 18			

ROX S	ZNE 17 15 30								
EL	ZNE 18								
WEL	ZNE 17 16 02								
EL	ZNE 18								
H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 04 00 19 02,9	21,0S 170,3E	144KM	4,3	LOYALTY IS					WEL 21
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
CNZ P	Z 00 19 18								
H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 05 13 10 42,6	20,9S 178,7W	590KM	4,6	FIJI REGION					WEL 21
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
CRZ EP	Z 13 13 57								
KRP P	ZNE 13 14 17								
ES	VE 17 12								
GNZ P	Z 13 14 18								
ES	VE 17 11								
CNZ EP	Z 13 14 27								
TNZ P	Z 13 14 33								
MNG P	Z 13 14 38								
MNW EP	Z 13 15 42								
H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 05 16 34 19,8	7,1N 123,7E	33KM	5,4	MINDANAO					WEL 67
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
KRP EP	Z 16 45 01								
MNG EP	Z 16 45 11								
CNZ EP	Z 16 45 13								
TRZ EP	Z 16 45 17								
H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 05 20 46 32,5	21,8S 170,7E	107KM	5,3	LOYALTY IS					WEL 21
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
CRZ EP	ZNE 20 49 31								
KRP P	ZNE 20 50 22								
GNZ P	ZNE 20 50 36								
MNG IP	Z 20 50 49,5 D								
PCP	Z 35 08								
MJZ P	ZNE 20 51 21								
APP	ZNE 42								
H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 05 23 05 26,7	32,5N 141,2E	43KM	4,7	S OF HONSHU					WEL 80
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
MNG EP	Z 23 17 29								
H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 06 03 46 39,0	15,4S 172,9W	43KM	4,5	SAMOA REGION					WEL 28
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
KRP EP	Z 03 51 57								
MNG EP	Z 03 52 20								
COB EP	Z 03 52 30								
H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 06 10 01 40,1	30,3S 177,9W	35KM	4,5	KERMADEC REGION					WEL 12
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
DNE P	Z 10 03 48								
GNZ EP	ZNE 10 03 48								
ES	ZNE 05 23								
CRZ P	ZNE 10 03 54								
MNG P	Z 10 04 12								
ES	Z 06 19								
MSZ EP	Z 10 05 46								

H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 06 12 48 05,0	19,0N 120,1E	59KM	5,6	LUZON					WEL 75
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
MSZ P	Z 12 59 33								
KRP P	ZNE 12 59 36								
MJZ P	ZNE 12 59 39								
MNG P	Z 12 59 43								
GNZ P	ZNE 12 59 47								
H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 06 17 48 34,3	5,4S 192,1E	46KM	5,1	NEW BRITAIN					WEL 41
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
MNG P	Z 17 56 33								
H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 06 21 46 32,7	7,2N 123,7E	33KM	5,2	MINDANAO					WEL 67
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
MNG EP	Z 21 57 16								
KRP P	Z 21 57 19								
MJZ EP	Z 21 57 19								
H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 07 03 47 51,8	6,1S 104,2E	15KM	5,2	W JAVA					WEL 71
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
CNZ P	Z 03 59 06								
H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 07 05 09 11,3	39,2N 28,4E	14KM	5,0	TURKEY					WEL 154
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
MSZ PKP	Z 05 29 01								
MNG PKP	Z 05 29 12								
KRP PKP	Z 05 29 12								
E	Z 27								
COB PKP	Z 05 29 17								
OCT 07 05 12 49 15									
H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 07 15 58 30,7	13,0N 144,3E	49KM	4,7	MARIANA IS					WEL 61
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
MNG EP	Z 16 08 36								
H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 07 22 03 17,5	18,3S 178,1W	541KM	4,7	FIJI REGION					WEL 24
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
CRZ P	ZNE 22 06 58								
KRP P	ZE 22 07 17								
COB EP	Z 22 07 48								
OCT 08 08 09 32 21									
H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 08 15 41 33,4	21,3S 179,5W	639KM	4,7	FIJI REGION					WEL 21
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
CRZ EP	Z 15 44 38								
GNZ EP	ZNE 15 44 57								
ES	ZNE 47 48								
KRP P	ZNE 15 44 59								
MNG P	Z 15 45 20								
COB P	Z 15 45 31								
OCT 08 16 42 18									
H M S	EPICENTRE	DEPTH	MAG						DIST (DEG)
OCT 08 19 15 42,9	19,9S 167,2E	18KM		NEW HEBRIDES					WEL 26
	H M S	DIR	LOG ₁₀ A/T	AZ TZ	AN TN	AE TE	MAG		
GNZ P	Z 19 21 03								

	MNQ	EP	Z	19 21 13															
	KRP	P	Z	19 20 52															
	H	M	S		EPICENTRE	DEPTH	MAG												
OCT 08	21	57	51.9		55.85 147.4E	33KM	5.2	W. OF MACQUARIE I.	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN					DIST (DEG) WEL 23
	MNW	P	Z	22 01 44															
	MSZ	P	Z	22 01 54															
	MJZ	P	Z	22 02 14															
	WEL	P	Z	22 02 55															
	MNG	P	Z	22 03 05															
OCT 09	KRP	EP	Z	00 24 43															
	MNG	P	Z	00 25 04															
OCT 09	MNG	P	Z	01 34 45															
	H	M	S		EPICENTRE	DEPTH	MAG												
OCT 09	11	56	23.8		9.6S 153.5E	90KM	5.3	NEW IRELAND	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN					DIST (DEG) WEL 40
	KRP	EP	Z	12 03 31															
	GNZ	P	Z	12 03 44															
	MNG	P	Z	12 03 47															
	H	M	S		EPICENTRE	DEPTH	MAG												
OCT 09	15	29	34.4		27.4S 176.3W	34KM	4.5	KERHADEC IS	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN					DIST (DEG) WEL 16
	GNZ	ES	Z	15 34 34															
	MNG	EP	Z	15 32 57															
		S	Z	35 32															
	H	M	S		EPICENTRE	DEPTH	MAG												
OCT 10	04	43	58.3		20.5S 178.4W	598KM	4.8	FIJI REGION	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN					DIST (DEG) WEL 22
	CRZ	P	Z	04 47 18															
	ONE	EP	E	04 47 24															
	KRP	P	Z	04 47 37															
	TNZ	P	Z	04 47 53															
	MNG	EP	Z	04 47 59															
	COB	P	Z	04 48 09															
	MSZ	P	Z	04 48 54															
	MNW	EP	Z	04 49 02															
	H	M	S		EPICENTRE	DEPTH	MAG												
OCT 10	22	42	19.5		6.0S 101.9E	33KM	4.8	SUMATRA	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN					DIST (DEG) WEL 73
	COB	EP	Z	22 53 40															
	MNG	P	Z	22 53 49															
	H	M	S		EPICENTRE	DEPTH	MAG												
OCT 11	11	12	34.9		27.0S 176.5W	83KM	4.6	KERHADEC IS	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN					DIST (DEG) WEL 16
	CRZ	EP	Z	11 15 27															
	GNZ	S	Z	11 17 36															
	MNG	EP	Z	11 15 54															
	ES	Z	Z	18 35															
	WEL	S	Z	11 18 54															
OCT 11	MNG	EP	Z	11 42 45															
	ES	Z	Z	45 18															
OCT 11	MNG	EP	Z	12 30 22															
	ES	Z	Z	32 53															
	H	M	S		EPICENTRE	DEPTH	MAG												
OCT 11	19	41	58.3		5.5S 147.1E	218KM	5.1	NEW GUINEA	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN					DIST (DEG) WEL 43
	KRP	P	Z	19 49 25															

	COB	P	Z	19 49 33															
	MNG	P	Z	19 49 39															
	MSZ	P	Z	19 49 39															
	GNZ	P	Z	19 49 40															
	H	M	S		EPICENTRE	DEPTH	MAG												
OCT 12	00	44	33.6		18.1S 178.0W	580KM	3.8	FIJI REGION	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN					DIST (DEG) WEL 24
	KRP	EP	Z	00 48 37															
	COB	EP	Z	00 49 06															
	H	M	S		EPICENTRE	DEPTH	MAG												
OCT 12	03	31	12.8		0.1N 123.7E	186KM	5.4	SULAWESI	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN					DIST (DEG) WEL 62
	MSZ	P	Z	03 40 59															
	MJZ	P	Z	03 41 32															
	MJZ	P	Z	03 41 07															
	KRP	P	Z	03 41 10															
	MNG	P	Z	03 41 16															
	H	M	S		EPICENTRE	DEPTH	MAG												
OCT 12	05	43	55.0		21.0S 174.6W	33KM	4.4	TONGA	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN					DIST (DEG) WEL 22
	MNG	EP	Z	05 48 38															
	COB	EP	Z	05 49 00															
	MJZ	EP	Z	05 49 32															
	H	M	S		EPICENTRE	DEPTH	MAG												
OCT 12	13	34	13.8		39.7N 20.4E	14KM	5.1	GREECE	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN					DIST (DEG) WEL 160
	KRP	EPKP2	Z	13 34 58															
	MSZ	EPKP2	Z	13 34 35															
OCT 12	MSZ	P	Z	15 47 08															
	H	M	S		EPICENTRE	DEPTH	MAG												
OCT 12	16	04	13.5		21.0S 159.9E	33KM	4.7	LOYALTY IS	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN					DIST (DEG) WEL 21
	MNG	P	Z	16 08 46															
	COB	EP	Z	16 08 49															
	MJZ	EP	Z	16 09 19															
	MSZ	P	Z	16 09 25															
	H	M	S		EPICENTRE	DEPTH	MAG												
OCT 12	16	05	37.5		5.9S 112.0E	595KM	5.3	JAVA SEA	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN					DIST (DEG) WEL 66
	MSZ	P	Z	16 15 02															
	MJZ	P	Z	16 15 11															
	COB	P	Z	16 15 16															
	KRP	EP	Z	16 15 25															
	MNG	P	Z	16 15 27															
	H	M	S		EPICENTRE	DEPTH	MAG												
OCT 13	01	02	28.5		39.9N 20.6E	8KM	5.6	GREECE	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN					DIST (DEG) WEL 160
	MSZ	EPKP2	Z	01 22 47															
	MJZ	PKP2	Z	01 22 36															
	MNG	EPKP2	Z	01 23 08															
	KRP	EPKP2	Z	01															

	E	Z	34						
	E(S)	Z	41						
	E	Z	11 26,5						
	E	Z	44						
MSZ	P	Z	12 10 36,5						
S		Z	11 43,5						
MJZ	EP	ZNE	12 11 00,5						
OCT 26	H M S	EPICENTRE	DEPTH	MAG					
	21 20 34,6	27,2S 176,4W	33KM	4,8 KERMADEC IS					
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE TE MAG
CRZ	EP	Z	21 23 30						
OCT 26	H M S	EPICENTRE	DEPTH	MAG					
	21 25 32,2	27,1S 176,6W	44KM	5,2 KERMADEC IS					
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE TE MAG
KRP	EP	Z	21 28 26						
E		ZN	28 48						
CRZ	EP	Z	21 28 27						
OCT 26	H M S	EPICENTRE	DEPTH	MAG					
	21 39 20,8	53,4S 23,5E	33KM	5,9 S. OF AFRICA					
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE TE MAG
MSZ	P	Z	21 31 16						
MJZ	P	ZNE	21 31 23						
COB	EP	Z	21 31 42						
KRP	EP	Z	21 31 58						
OCT 27	H M S	EPICENTRE	DEPTH	MAG					
	14 29 44,3	19,0S 169,1E	229KM	4,1 NEW HEBRIDES					
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE TE MAG
KRP	EP	Z	14 33 56						
MNQ	P	Z	14 34 22						
OCT 28	MSZ	EP	Z	00 05 18					
OCT 28	MNQ	(P)	Z	06 30 12					
OCT 28	MNQ	P	Z	08 03 16					
OCT 28	H M S	EPICENTRE	DEPTH	MAG					
	11 49 46,7	3,9S 151,0E	19KM	4,9 NEW IRELAND					
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE TE MAG
KRP	P	Z	11 37 31						
COB	P	Z	11 37 35						
	E	Z	41						
MNQ	P	Z	11 37 41						
	E	Z	43						
	(*PP)	Z	49						
MSZ	(P)	Z	11 37 57						
	E	Z	51						
OCT 29	H M S	EPICENTRE	DEPTH	MAG					
	06 57 34,3	15,4S 173,0W	50KM	4,7 TONGA					
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE TE MAG
KRP	EP	Z	07 02 53						
MNQ	P	Z	07 03 15						
OCT 29	H M S	EPICENTRE	DEPTH	MAG					
	11 38 12,2	14,9S 177,5W	309KM	4,3 FIJI REGION					
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE TE MAG
KRP	P	Z	12 02 56						
GNZ	P	Z	12 02 58						
MNQ	EP	Z	12 03 18						
COB	P	Z	12 03 28						
OCT 29	CRZ	P	ZNE	13 21 15					
KRP	P	ZNE	13 21 19						

	MNQ <th>S <th>VE <th>22 44</th> <th></th> <th></th> <th></th> <th></th> <th></th> </th></th>	S <th>VE <th>22 44</th> <th></th> <th></th> <th></th> <th></th> <th></th> </th>	VE <th>22 44</th> <th></th> <th></th> <th></th> <th></th> <th></th>	22 44					
	EP	Z	13 21 40						
	E	Z	42						
	(*PP)	Z	55						
WEL	S	NE	13 23 42						
OCT 29	H M S	EPICENTRE	DEPTH	MAG					
	16 40 07,3	1,5N 126,2E	93KM	5,0 MOLUCCAS					
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE TE MAG
COB	EP	Z	16 30 04						
MJZ	EP	ZN	16 30 06						
KRP	EP	Z	16 30 07						
MNQ	P	Z	16 30 13						
OCT 29	MSZ	P	Z	17 49 59					
OCT 30	H M S	EPICENTRE	DEPTH	MAG					
	00 05 39,4	37,6N 140,1E	151KM	5,0 HONSHU					
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE TE MAG
KRP	EP	Z	00 17 44						
COB	P	Z	00 17 52						
MNQ	P	Z	00 17 55						
	*PP	Z	18 31						
MSZ	P	Z	00 18 02						
MJZ	*PP	Z	00 18 03						
	ZNE		40						
OCT 30	H M S	EPICENTRE	DEPTH	MAG					
	10 42 29,7	7,6S 127,8E	138KM	4,5 BANDA SEA					
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE TE MAG
MJZ	EP	Z	10 31 25						
MNQ	P	Z	10 31 37						
OCT 30	KRP	P	ZNE	11 02 38					
	ES	E	05 17						
GNZ	EP	Z	11 02 39						
MNQ	EP	Z	11 02 58						
COB	P	Z	11 03 10						
	ES	Z	06 13						
OCT 30	GNZ	P	ZNE	15 47 38					
	S	ZNE	49 07						
KRP	P	ZE	15 47 42						
MNQ	(P)	Z	15 48 04						
	(P)	Z	05						
OCT 30	MNQ	P	Z	16 09 40					
OCT 30	H M S	EPICENTRE	DEPTH	MAG					
	17 13 44,0	15,0S 166,9E	38KM	4,8 NEW HEBRIDES					
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE TE MAG
KRP	EP	Z	17 18 59						
	*PP	Z	19 08						
MNQ	P	Z	17 19 20						
GNZ	(*PP)	Z	17 19 23						
OCT 30	H M S	EPICENTRE	DEPTH	MAG					
	18 39 23,0	2,5S 143,5E	33KM	5,2 NEW GUINEA					
		H M S	DIR	LOG ₁₀ A/T	AZ	TZ	AN	TN	AE TE MAG
KRP	EP	Z	18 47 46						
COB	P	Z	18 47 51						
MJZ	P	Z	18 47 57						
	PCP	Z	49 27						
MNQ	EP	Z	18 47 58						

NOV 04	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	23 40 22,7	22,25 179,7W	610KM	5,1 S, OF FIJI	HEL 20
CRZ EP	Z	23 43 22	U		
KRP EP	Z	23 43 42	U		
GNZ IP	Z	23 43 43,8			
MNG EP	Z	23 44 02			
HEL EP	Z	23 44 11			
MJZ EP	Z	23 44 44			
NOV 05	17 54 13,6	34,8V 121,2W	33KM	5,8 CALIFORNIA	HEL 95
KRP EP	Z	18 07 28			
MNG EP	Z	18 07 31			
NOV 06	20 20 18,5	51,9V 178,9W	36KM	5,5 ALEUTIAN IS	HEL 93
KRP EP	Z	20 33 12			
MNG EP	Z	20 33 20			
NOV 07	02 35 06,1	6,9V 124,6E	413KM	5,1 MINDANAO	HEL 86
KRP EP	Z	02 45 08			
MJZ IP	Z	02 45 09,5			
MNG EP	Z	02 45 15			
NOV 07	13 41 13,4	26,6V 126,3E	123KM	5,3 RYUKYU IS	HEL 81
KRP EP	Z	13 53 06			
MNG EP	Z	13 53 14			
MJZ EP	Z	13 53 16			
NOV 07	18 33 59,9	27,9V 60,1E	35KM	6,1 S, IRAN	HEL 126
MJZ EPKP	Z	18 52 53			
HEL EPKP	Z	18 52 59			
EPP	Z	53 23			
ESKS	Z	54 48			
MNG EPKP	Z	18 52 59			
KRP EPKP	Z	18 53 00			
GNZ EPKP	Z	18 53 04			
NOV 08	01 41 41,3	16,2S 167,5E	23KM	5,7 NEW HEBRIDES	HEL 26
GBZ EP	Z	01 46 28	D		
KRP IP	Z	01 46 44,8	D		
TNZ EP	Z	01 46 54			
CNZ EP	Z	01 46 57	D		
GNZ IP	Z	01 46 58,0	D		
MNG IP	Z	01 47 08,5			
HEL EP	Z	01 47 14			

DISTANT EARTHQUAKES

MJZ EP	Z	01 47 33			
MNH EP	Z	01 47 47			
NOV 08	GNZ P	Z	17 07 55		
TRZ ES	Z	17 09 52			
MNG S	Z	17 08 32,0			
HEL ES	Z	17 10 39			
DOB ES	Z	17 10 50			
NOV 08	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	21 55 09,2	1,1S 127,0E	33KM	5,3 HALMAHERA	HEL 59
MJZ EP	Z	22 04 40			
KRP EP	Z	22 04 50			
MNG EP	Z	22 04 48			
NOV 08	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	23 26 00,0	1,0S 127,0E	55KM	5,3 HALMAHERA	HEL 59
MJZ EP	Z	23 35 45			
KRP EP	Z	23 35 47			
MNG EP	Z	23 35 53			
GNZ EP	Z	23 36 04			
NOV 09	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	01 09 24,3	1,0S 127,1E	19KM	5,2 HALMAHERA	HEL 59
MJZ EP	Z	01 19 19			
KRP EP	Z	01 19 17			
MNG EP	Z	01 19 21			
NOV 09	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	01 22 10,6	1,2S 126,9E	69KM	5,2 MOLUCCA SEA	HEL 59
MNG EP	Z	01 32 04			
NOV 09	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	09 07 50,9	16,3S 167,9E	185KM	5,3 NEW HEBRIDES	HEL 26
GBZ EP	Z	09 12 21			
KRP IP	Z	09 12 38,0	U		
TNZ EP	Z	09 12 47	U		
GNZ IP	Z	09 12 48,8	U		
MNG IP	Z	09 12 58,3	U		
HEL IP	Z	09 13 03,3	U		
MJZ EP	Z	09 13 22,5	U		
MNH EP	Z	09 13 38	U		
NOV 09	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	19 29 14,8	25,4S 177,2W	190KM	4,5 S, OF FIJI	HEL 17
KRP EP	Z	19 32 25			
NOV 10	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	05 36 48,7	2,5S 139,8E	15KM	5,0 WEST IRIAN	HEL 50
KRP EP	Z	05 45 29	U		
MNG EP	Z	05 45 39	U		

NOV 10	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	09 12 30,0	15,2S 172,5W	65KM	4,6 SAMOA REGION	WEL 29
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP EP	Z 09 18 03			
	MNQ EP	Z 09 18 27			
NOV 10	09 19 01,7	16,1S 173,1W	33KM	4,5 TONGA	WEL 27
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	GNZ P	Z 09 24 14,0			
	KRP EP	ZNE 09 24 14,5			
	MNQ EP	Z 09 24 37			
	COB EP	Z 09 24 40,5			
NOV 10	GNZ EP	Z 12 29 41			
	S	ZNE 31 11			
	KRP EP	Z 12 29 45,0			
	TRZ S	Z 12 31 37			
	MNQ EP	Z 12 30 07			
	ES	Z 31 53			
	COB ES	Z 12 32 34			
NOV 10	15 42 34,5	5,6S 142,0E	40KM	5,3 NEW GUINEA	WEL 46
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP EP	Z 15 50 45			
	MJZ EP	Z 15 50 50			
NOV 11	06 55 32,6	24,9S 70,6W	39KM	5,1 N, CHILE	WEL 91
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP EP	Z 07 08 35			
NOV 11	15 23 59,2	5,7S 151,4E	73KM	5,3 NEW BRITAIN	WEL 41
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP IP	Z 15 31 20,0 D			
	E	Z 40			
	GNZ IP	Z 15 31 34,3 D			
	MNQ IP	Z 15 31 34,7 D			
	E	Z 59			
	WEL EP	Z 15 31 37			
	MJZ EP	Z 15 31 41			
	E	Z 32 01			
NOV 12	00 50 56,5	21,8S 179,6W	609KM	4,5 FIJI REGION	WEL 20
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP EP	Z 00 54 21			
	MNQ EP	Z 00 54 42			
	E	Z 50			
NOV 12	12 29 42,5	42,4N 144,9E	33KM	5,2 HOKKAIDO	WEL 88
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP EP	Z 12 42 17			
NOV 12	15 40 15,5	6,0S 148,8E	82KM	5,0 NEW BRITAIN	WEL 42
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP EP	Z 15 47 44			
	E	Z 59			
	EPCP	Z 49 48			
	GNZ EP	Z 15 47 59			
	E	Z 48 14			
	MNQ EP	Z 15 47 59			
	I	Z 48 15,8			

DISTANT EARTHQUAKES

NOV 12	H M S	EPICENTRE	DEPTH	MAG	DIST (DEG)
	17 11 30,2	16,0S 173,8W	85KM	4,7 TONGA	WEL 27
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	GNZ IP	Z 17 15 34,5 D			
	KRP EP	Z 17 16 35			
	MNQ EP	Z 17 16 54			
	E	Z 17 17			
	MJZ EP	Z 17 17 36			
NOV 12	19 09 02,0	53,0N 168,3W	53KM	5,4 ALEUTIAN IS	WEL 95
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	KRP EP	Z 19 22 03			
	E	Z 22			
	MNQ EP	Z 19 22 14			
NOV 13	04 58 30,9	23,7S 179,9E	540KM	5,0 S, OF FIJI	WEL 15
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	ECZ EP	Z 05 01 27			
	E	Z 31			
	KRP EP	Z 05 01 36		-0,49	
	I	Z 39,8			
	ES	Z 04 15			
	GNZ EP	Z 05 01 38		-0,40	
	ES	Z 04 10			
	GNZ EP	Z 05 01 47			
	TNZ EP	Z 05 01 51			
	E	Z 54			
	MNQ EP	Z 05 01 58			
	I	Z 02 00,8			
	ES	Z 04 47			
	WEL EP	Z 05 02 07		-0,83	
	ES	Z 04 04			
	MJZ EP	Z 05 02 40			
	ES	Z 05 57			
NOV 13	07 51 29,5	27,8S 71,6W	33KM	5,8 N, CHILE	WEL 88
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	MNQ EP	Z 08 04 17 D			
	MJZ EP	Z 08 04 22 D			
	KRP EP	Z 08 04 24 D		-1,00	
	E	Z 48			
NOV 14	07 37 45,7	19,7S 175,9W	209KM	5,5 TONGA	WEL 23
		H M S	DIR	LOG _W A/T AZ TZ AN TN	AE TE MAG
	GBZ EP	Z 07 41 45			
	ECZ IP	Z 07 41 52,2 D			
	I	Z 58,5			
	E	Z 45 00			
	ES	Z 12			
	GNZ EP	Z 07 41 58			
	I	Z 42 00,5			
	I	Z 25,0			
	IS	Z 45 22,5			
	KRP IP	Z 07 42 00,2 D		0,14	
	I	Z 10,5			
	IS	Z 45 33,0			
	TNZ EP	Z 07 42 16 D			
	I	Z 22,5			
	I	Z 33,5			
	MNQ EP	Z 07 42 22			
	ES	Z 46 11			

DATE	STATION	TYPE	Z	TIME	EPICENTRE	DEPTH	MAG	DIST (DEG)
		EPCP	Z	30				
		I	Z	48.8				
		EPP	Z	21 41				
		ES	V	28 39				
NOV 21	GNZ	EP	Z	16 16 26				
		S	ZNE	18 00				
	KRP	E(P)	Z	16 16 30				
	TRZ	S	Z	16 18 29				
	MNG	EP	Z	16 16 50				
		ES	Z	18 50				
	WEL	S	ZNE	16 19 19				
	COB	ES	Z	16 19 34				
NOV 21	GNZ	P	ZNE	21 19 58.0				
		S	ZNE	21 16				
	KRP	P	Z	21 19 58				
	MNG	P	Z	21 20 21				
		ES	Z	22 04				
NOV 22	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)	
	05 00 39.6			28.25 177.2W	65KM	5.2	KERMADEC REGION	WEL 19
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	05 03 19				
		E	Z	35				
	MNG	EP	Z	05 03 44				
		ES	Z	06 09				
	MJZ	EP	Z	05 04 48				
NOV 22	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)	
	15 02 22.9			6.95 127.4E	330KM	5.3	BANDA SEA	WEL 34
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	MJZ	EP	Z	15 11 04				
		E	Z	10				
	KRP	EP	Z	15 11 12				
	MNG	EP	Z	15 11 16				
		I	Z	23.5				
	TRZ	EP	Z	15 11 24				
	GNZ	EP	Z	15 11 26				
NOV 22	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)	
	19 27 45.9			22.35 174.9W	33KM	5.3	TONGA REGION	WEL 21
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	19 31 58				
	MNG	EP	Z	19 32 13				
	MJZ	EP	Z	19 32 54				
NOV 22	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)	
	23 09 37.2			57.8V 163.5E	33KM	6.3	KAMCHATKA	WEL 99
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	23 23 01				
		EPP	Z	27 04				
		ES	V	34 29				
	MNG	EP	Z	23 23 09				
	WEL	EP	Z	23 23 15				
		ES	VE	33 55				
	EL	EP	VE	50				
	MJZ	EP	Z	23 23 43				
		EPP	Z	27 45				
NOV 23	H M S			EPICENTRE	DEPTH	MAG	DIST (DEG)	
	04 09 17.4			27.0S 176.4W	30KM	4.9	KERMADEC REGION	WEL 18
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	04 12 36				
	MNG	EP	Z	04 12 45				
	MJZ	EP	Z	04 13 49				
NOV 23	GNZ	S	ZNE	04 14 27				

DATE	STATION	TYPE	Z	TIME	EPICENTRE	DEPTH	MAG	DIST (DEG)
	MNG	EP	Z	04 12 46				
		ES	Z	15 17				
	WEL	EPCP	Z	00 41 54.5				
	COB	EP	Z	04 13 06.5				
		ES	Z	16 03.5				
NOV 23	H M S			EPICENTRE	DEPTH	MAG <td>DIST (DEG)</td> <td></td>	DIST (DEG)	
	08 54 53.5			10.4S 161.5E	59KM	5.3	SOLOMON IS	WEL 33
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	09 01 01				
	MNG	EP	Z	09 01 19				
	MJZ	EP	Z	09 01 38				
NOV 23	GNZ	S	VE	21 38 34				
	MNG	EP	Z	21 36 59				
		ES	Z	39 31				
	COB	ES	Z	21 40 13				
NOV 24	GNZ	S	ZNE	11 28 38				
	MNG	EP	Z	11 26 55				
		ES	Z	29 38				
NOV 24	H M S			EPICENTRE	DEPTH	MAG <td>DIST (DEG)</td> <td></td>	DIST (DEG)	
	21 14 13.7			60.6V 58.8W	33KM	5.0	N.E. CANADA	WEL 142
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	MJZ	EPKP	Z	21 33 51		U*		
NOV 24	H M S			EPICENTRE	DEPTH	MAG <td>DIST (DEG)</td> <td></td>	DIST (DEG)	
	21 31 17.6			18.0S 178.4W	593KM	5.4	FIJI REGION	WEL 24
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	21 35 19				
		ES	V	38 35				
	GNZ	EP	Z	21 35 19		-0.94		
		ES	Z	28				
		VE	Z	38 29				
	TRZ	EP	Z	21 35 32				
	MNG	EP	Z	21 35 39				
		ES	Z	39 01				
	MJZ	EP	Z	21 36 17.3				
		ES	Z	37 46				
		VE	Z	39 17				
		VE	V	40 12				
	MNG	EP	Z	21 36 41				
		ES	Z	38 17				
NOV 24	H M S			EPICENTRE	DEPTH	MAG <td>DIST (DEG)</td> <td></td>	DIST (DEG)	
	21 53 59.5			18.2S 178.1W	370KM	4.5	FIJI REGION	WEL 24
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	21 58 02				
NOV 24	GNZ	S	VE	22 04 37				
	MNG	P	Z	22 03 20.0				
		ES	Z	05 27.0				
	COB	ES	Z	22 04 09.0				
NOV 25	H M S			EPICENTRE	DEPTH	MAG <td>DIST (DEG)</td> <td></td>	DIST (DEG)	
	01 32 54.0			18.0S 178.4W	597KM	4.6	FIJI REGION	WEL 24
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	KRP	EP	Z	01 36 56				
	MNG	EP	Z	01 37 14				
	MJZ	EP	Z	01 37 53				
NOV 25	H M S			EPICENTRE	DEPTH	MAG <td>DIST (DEG)</td> <td></td>	DIST (DEG)	
	04 47 41.4			30.5S 177.9W	30KM	5.0	KERMADEC IS	WEL 12
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN	AE TE MAG
	GNZ	EP	Z	04 49 52				
		ES	Z	51 00				
		ES	NE	25				

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
NOV 29	16	43	19.7	33.3N 132.3E	48KM	5.1 SHIKOKU	WEL 84
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MJZ	EP	Z	16 55 40			
NOV 29	18	29	07.8	2.2N 126.5E	101KM	5.2 HOLLUCAS	WEL 62
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MJZ	EP	Z	18 39 09			
NOV 29	20	33	43.3	16.5S 176.6W	424KM	4.6 FIJI REGION	WEL 26
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	KRP	EP	Z	20 38 13			
	GNZ	EP	Z	20 38 13			
	MJZ	EP	Z	20 39 14			
NOV 30	03	32	57.2	49.9N 79.0E	OKM	6.0 E. KAZAKHSTAN	WEL 123
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MJZ	EPKP	Z	03 51 55			
NOV 30	03	33	41.8	17.9S 178.6W	617KM	4.5 FIJI REGION	WEL 24
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	CRZ	EP	Z	03 37 20			
	KRP	EP	Z	03 37 39			
	GNZ	EP	Z	03 37 38			
DEC 01	02	16	42.7	18.4S 178.0W	600KM	4.9 FIJI REGION	WEL 24
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	GNZ	IP	Z	02 20 40.7	U	-0.48	6.0
	MNQ	EP	Z	02 20 59			
	COB	EP	Z	02 21 09			
	ES		Z	24 47			
	MNW	P	Z	02 22 03			
DEC 01		MNQ	EP	Z	02 45 57		
DEC 01		MNQ	EP	Z	09 52 19		
		COB	EP	Z	09 52 30		
		MNW	IP	Z	09 53 23.2	D	
DEC 01	13	01	20.1	0.2S 123.0E	196KM	SULAWESI	WEL 62
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MNQ	P	Z	13 11 23			
DEC 01	20	28	27.2	20.1S 175.0W	38KM	4.9 TONGA	WEL 23
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	GNZ	EP	Z	20 33 04			
	MNQ	EP	Z	20 33 17			
	WEL	EP	ZNE	20 33 31			
	COB	EP	Z	20 33 34			
		I	Z	37			
	MJZ	EP	ZNE	20 34 05			
		I	Z	09			
	MSZ	EP	Z	20 34 20			
DEC 01	20	35	05.2	60.0S 28.5W	763KM	5.6 SOUTH SANDWICH IS	WEL 77
				H M S	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MJZ	EP	Z	20 45 34			
	MNQ	EP	Z	20 45 44			
	COB	EP	Z	20 45 44			

	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				H M S <td>DIR</td> <td>LOG₁₀A/T</td> <td>AZ TZ AN TN AE TE MAG</td>	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
DEC 01	22	13	53.4	16.7N 60.8W	41KM	5.6 CARIBBEAN SEA	WEL 127
				H M S <td>DIR</td> <td>LOG₁₀A/T</td> <td>AZ TZ AN TN AE TE MAG</td>	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MNQ	EPKP	Z	22 33 14			
DEC 02	08	27	03.8	13.4N 143.9E	142KM	4.6 CAROLINE IS	WEL 61
				H M S <td>DIR</td> <td>LOG₁₀A/T</td> <td>AZ TZ AN TN AE TE MAG</td>	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	KRP	EP	Z	08 36 48			
	MNQ	P	Z	08 37 01			
	MSZ	EP	Z	08 37 05			
	MNW	EP	Z	08 37 11			
DEC 02	17	26	33.1	13.1N 143.9E	110KM	5.0 CAROLINE IS	WEL 61
				H M S <td>DIR</td> <td>LOG₁₀A/T</td> <td>AZ TZ AN TN AE TE MAG</td>	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	KRP	EP	Z	17 36 22			
	COB	EP	Z	17 36 31			
	MNQ	EP	Z	17 36 34			
	MSZ	EP	Z	17 36 40			
DEC 02	17	57	04.3	8.2N 126.3E	102KM	5.7 HINDANAO	WEL 66
				H M S <td>DIR</td> <td>LOG₁₀A/T</td> <td>AZ TZ AN TN AE TE MAG</td>	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	CRZ	P	ZNE	18 07 10			
	KRP	P	ZNE	18 07 35			
		PP	Z	08 08			
	MNW	EIP	Z	18 07 36		USE =0.26	6.7
	WEL	EIP	ZNE	18 07 42		USE =0.15	6.8
	ES		E	17 30			
DEC 03	05	03	01.9	20.6S 168.8E	30KM	4.4 LOYALTY IS	WEL 21
				H M S <td>DIR</td> <td>LOG₁₀A/T</td> <td>AZ TZ AN TN AE TE MAG</td>	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MNQ	P	Z	05 07 43			
DEC 03	09	31	03.7	17.0S 167.9E	30KM	4.5 NEW HEBRIDES	WEL 29
				H M S <td>DIR</td> <td>LOG₁₀A/T</td> <td>AZ TZ AN TN AE TE MAG</td>	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	MNQ	EP	Z	09 36 22			
DEC 03		GNZ	EI	Z	15 29 41		
		E(S)	Z	46			
	MNQ	EP	Z	15 27 40			
	ES		Z	30 23			
DEC 04	03	02	56.7	12.1N 143.6E	33KM	5.3 CAROLINE IS	WEL 60
				H M S <td>DIR</td> <td>LOG₁₀A/T</td> <td>AZ TZ AN TN AE TE MAG</td>	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	KRP	EP	Z	03 12 49			
	MNQ	P	Z	03 13 01			
	MSZ	EP	Z	03 13 05			
	MNW	EP	Z	03 13 11			
DEC 04		KRP	EP	Z	03 15 04		
		MNQ	EP	Z	03 15 24		
		COB	EP	Z	03 15 36		
DEC 04	04	37	39.0	32.9S 178.0W	33KM	4.7 S. OF KERMADEC IS	WEL 10
				H M S <td>DIR</td> <td>LOG₁₀A/T</td> <td>AZ TZ AN TN AE TE MAG</td>	DIR	LOG ₁₀ A/T	AZ TZ AN TN AE TE MAG
	COZ	EP	Z	04 39 25			
	MNQ	EP	Z	04 40 09			
		E(S)	Z	41 44			
	MJZ	EP	Z	04 41 17			

TIME	STATION	EPICENTRE	DEPTH	MAG	DIST (DEG)
H M S		H M S	KM		WEL
DEC 09 03 25 31.7	COB EP MNH EP	0,9V 126,2E	99KM	5,1 HOLLUCCAS	61
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	MVA EP	Z 03 35 44			
	KRP EP	Z 03 35 48			
	MJZ EP	Z 03 35 48			
	MNG EP	Z 03 35 55			
DEC 09 19 38 26,1		33,6S 176,9W	32KM	4,7 S. OF KERMADEC IS	10
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	GNZ S	ZNE 19 41 08			
	KRP EP	Z 19 40 08			
	MNG P	Z 19 40 31			
	CRZ EP	Z 19 40 32			
	MJZ ES	ZNE 19 44 07			
DEC 09 23 59 40,1		22,1S 179,5W	549KM	4,3 S. OF FIJI	20
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	KRP EP	Z 24 03 04			
	MNG EP	Z 24 03 26			
DEC 10 00 10 31,8		2,7S 129,2E	33KM	4,9 CERAM	56
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	MJZ P	Z 00 20 02			
	KRP EP	Z 00 20 04			
	MNG EP	Z 00 20 11			
DEC 10 09 51 39	KRP EP	Z 09 51 39			
DEC 10 12 12 25	MSZ EP MJZ EP	Z 12 12 25			
DEC 10 12 41 42,9		30,7S 178,0W	36KM	4,5 KERMADEC IS	12
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	CRZ EP	ZNE 12 43 53			
	KRP EP	Z 12 43 57			
	MNG EP	Z 12 44 19			
	MSZ EP	Z 12 45 50			
DEC 10 16 52 47	KRP EP	Z 16 52 47			
DEC 10 17 32 48,7		59,1S 25,1W	33KM	4,5 SOUTH SANDWICH IS	79
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	MSZ EP	Z 17 44 35			
	KRP EP	Z 17 45 06			
DEC 10 19 12 32,1		21,5S 169,4E	33KM	4,8 LOYALTY IS	26
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	MNG EP	Z 19 17 21			
DEC 10 19 33 38,2		14,8S 157,0E	21KM	5,4 NEW HEBRIDES	27
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	CRZ EP	ZNE 19 38 37			
	KRP EP	ZNE 19 39 15			
	MNG EP	Z 19 39 36			
	MJZ EP	ZNE 20 00 02			
	(APP)	ZNE 12			

TIME	STATION	EPICENTRE	DEPTH	MAG	DIST (DEG)
H M S		H M S	KM		WEL
DEC 10 20 15 23,5		19,2S 168,5E	45KM	4,6 NEW HEBRIDES	27
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	CRZ EP	Z 20 19 57			
	KRP EP	ZNE 20 20 38			
DEC 10 21 45 56	KRP EP MNG EP	Z 21 45 56			
DEC 10 21 52 02,2		14,7S 166,5E	75KM	4,9 NEW HEBRIDES	27
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	CRZ EP	Z 21 56 32			
	KRP EP	Z 21 57 14			
	MNG EP	Z 21 57 35			
	COB EP	Z 21 57 36			
DEC 10 22 17 23	KRP EP	Z 22 17 23			
DEC 10 23 42 24,1		6,8S 160,2E	85KM	4,8 SOLOMON IS	35
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	KRP EP	Z 23 48 45			
	MNG P	Z 23 49 03			
	MJZ EP	Z 23 49 19			
	MSZ P	Z 23 49 22			
DEC 11 00 45 40,5		14,9S 166,7E	43KM	5,2 NEW HEBRIDES	27
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	CRZ EP	Z 00 50 14			
	KRP EP	Z 00 50 56			
	MNG P	Z 00 51 17			
DEC 11 01 05 02	KRP EP MNG EP	Z 01 05 02			
DEC 11 01 05 13	KRP EP MNG EP	Z 01 05 13			
DEC 11 04 29 23	KRP EP	Z 04 29 23			
DEC 11 05 08 58,1		19,3S 177,4W	465KM	4,3 FIJI REGION	27
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	CRZ EP	ZNE 03 13 09			
	KRP P	ZNE 03 13 28			
	GNZ P	ZNE 03 13 30			
	MNG EP	Z 03 13 48			
	MJZ EP	ZNE 03 14 29			
DEC 11 10 33 07,6		50,0S 114,9W	33KM	4,7 S. PACIFIC OCEAN	49
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	KRP EP	Z 10 42 09			
DEC 12 00 22 47,3		62,3S 161,8W	33KM	PACIFIC-ANTARCTIC R.	25
		H M S	DIR	LOG ₁₀ A/T AZ TZ AN TN	AE TE MAG
	MNG EP	Z 00 28 16			
	KRP EP	Z 00 28 38			
DEC 12 00 46 33	KRP EP	Z 00 46 33			
DEC 12 11 31 26	GNZ EP	Z 11 31 26			
DEC 12 11 31 27	KRP P	Z 11 31 27			
DEC 12 11 31 47	MNG EP	Z 11 31 47			

DEC	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				LOG ₁₀ A/T	AZ	TZ	AN TN AE TE MAG
DEC 12	13	32	20,8	11,55 166,4E	72KM	4,1 SANTA CRUZ IS	WEL 31 AE TE MAG
	MNQ	EP	Z	13 38 23			
	MNQ	EP	Z	13 38 54			
DEC 12	KRP	EP	Z	22 38 15			
	MNQ	EP	Z	22 38 37			
DEC 13	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				LOG ₁₀ A/T	AZ	TZ	AN TN AE TE MAG
DEC 13	03	40	34,8	34,0V 137,0E	398KM	5,1 S. OF HONSHU	WEL 83 AE TE MAG
	KRP	EP	Z	03 52 07			
	MNQ	EP	Z	03 52 17			
	MJZ	EP	Z	03 52 23			
DEC 13	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				LOG ₁₀ A/T	AZ	TZ	AN TN AE TE MAG
DEC 13	04	03	36,4	1,3V 126,4E	56KM	5,3 MOLUCCAS	WEL 61 AE TE MAG
	MSZ	P	Z	04 13 51			
	MJZ	EP	ZNE	04 13 57			
	KRP	EP	ZNE	04 13 58			
	MNQ	P	Z	04 14 14			
DEC 13	KRP	EP	Z	07 34 38			
	MNQ	P	Z	07 35 01			
DEC 13	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				LOG ₁₀ A/T	AZ	TZ	AN TN AE TE MAG
DEC 13	21	33	21,9	32,7S 70,0W	105KM	5,6 ANDES	WEL 85 AE TE MAG
	MNQ	P	Z	21 45 48			
	MJZ	P	ZNE	21 45 51			
	MSZ	P	Z	21 45 54			
	COB	P	Z	21 45 54			
	KRP	P	ZNE	21 45 56			
DEC 13	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				LOG ₁₀ A/T	AZ	TZ	AN TN AE TE MAG
DEC 13	21	37	06,0	23,9V 126,5E	20KM	5,4 RYUKYU IS	WEL 79 AE TE MAG
	KRP	EP	Z	21 48 58			
	MSZ	P	Z	21 49 08			
	MNQ	EP	Z	21 49 09			
DEC 13	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				LOG ₁₀ A/T	AZ	TZ	AN TN AE TE MAG
DEC 13	22	06	55,3	4,2V 126,3E	42KM	5,6 S. OF MINDANAO	WEL 63 AE TE MAG
	MSZ	EP	Z	22 17 08			
	KRP	P	ZNE	22 17 14			
	MJZ	EP	ZNE	22 17 19			
	MNQ	EP	Z	22 17 23			
DEC 14	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				LOG ₁₀ A/T	AZ	TZ	AN TN AE TE MAG
DEC 14	02	42	09,4	2,0V 126,9E	42KM	5,0 MOLUCCAS	WEL 61 AE TE MAG
	CRZ	EP	ZNE	02 51 47			
	MJZ	P	ZNE	02 52 13			
	S		NE	03 00 21			
	SCS		NE	01 59			
	SCP		Z	02 56 56			
	KRP	P	ZNE	02 52 13			
	ESCS		NE	03 02 02			
	MNQ	P	Z	02 52 20			
DEC 14	MSZ	P	Z	03 52 34			
	MJZ	P	ZNE	03 52 41			
	COB	EP	Z	03 52 41			
	MNQ	EP	Z	03 52 51			

DEC	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				LOG ₁₀ A/T	AZ	TZ	AN TN AE TE MAG
DEC 14	19	18	52,9	6,4V 123,6E	600KM	4,6 MINDANAO	WEL 67 AE TE MAG
	COB	EP	Z	19 28 39			
	MNQ	EP	Z	19 28 46			
DEC 15	H	M	S	EPICENTRE	DEPTH <td>MAG</td> <td>DIST (DEG)</td>	MAG	DIST (DEG)
				LOG ₁₀ A/T	AZ	TZ	AN TN AE TE MAG
DEC 15	00	15	32,4	3,5S 145,0E	44KM	5,5 BISMARCK SEA	WEL 46 AE TE MAG
	MNQ	EP	Z	00 24 00			
DEC 15	KRP	EP	Z	01 00 31			
	MNQ	EP	Z	01 00 52			
	ES		Z	03 56			
	COB	EP	Z	01 01 04			
DEC 15	H	M	S	EPICENTRE	DEPTH <td>MAG</td> <td>DIST (DEG)</td>	MAG	DIST (DEG)
				LOG ₁₀ A/T	AZ	TZ	AN TN AE TE MAG
DEC 15	08	37	02,1	7,1S 129,3E	40KM	4,9 BANDA SEA	WEL 53 AE TE MAG
	MSZ	EP	Z	08 45 57			
	MNQ	EP	Z	08 45 58			
	MJZ	P	Z	08 46 06			
	KRP	EP	Z	08 46 09			
DEC 15	MNQ	P	Z	13 35 34			
	MJZ	P	Z	13 35 40			
DEC 16	MNQ	P	Z	07 15 10			
DEC 16	MNQ	EP	Z	08 10 14			
DEC 16	MNQ	EP	Z	13 47 32			
DEC 17	H	M	S	EPICENTRE	DEPTH <td>MAG</td> <td>DIST (DEG)</td>	MAG	DIST (DEG)
				LOG ₁₀ A/T	AZ	TZ	AN TN AE TE MAG
DEC 17	07	30	22,4	15,4S 167,8E	134KM	4,9 NEW HEBRIDES	WEL 27 AE TE MAG
	KRP	IP	ZNE	07 35 23,2 US			
	ECZ	EP	Z	07 35 29			
	GNZ	EP	ZN	07 35 34			
	COB	EP	Z	07 35 46			
	MNQ	IP	Z	07 35 44,1 U			
	ES		Z	40 07			
	WEL	EP	Z	07 35 49			
	MJZ	P	ZNE	07 35 58			
	MSZ	P	Z	07 36 14			
	MNQ	EP	Z	07 36 23			
DEC 17	H	M	S	EPICENTRE	DEPTH <td>MAG</td> <td>DIST (DEG)</td>	MAG	DIST (DEG)
				LOG ₁₀ A/T	AZ	TZ	AN TN AE TE MAG
DEC 17	09	03	19,4	27,0S 176,6W	47KM	4,9 KERMADEC REGION	WEL 16 AE TE MAG
	GNZ	ES	ZN	09 08 27			
	MNQ	EP	Z	09 06 42			
	ES		Z	09 23			
DEC 17	H	M	S	EPICENTRE	DEPTH <td>MAG</td> <td>DIST (DEG)</td>	MAG	DIST (DEG)
				LOG ₁₀ A/T	AZ	TZ	AN TN AE TE MAG
DEC 17	20	42	13,9	30,9S 179,9W	437KM	4,4 KERMADEC REGION	WEL 11 AE TE MAG
	ONE	P	E	20 44 00			
	ES		E	45 28			
	CRZ	IP	ZNE	20 44 05			
	GNZ	EP	ZN	20 44 09			
	KRP	P	ZNE	20 44 12			
	MNQ	EP	Z	20 44 33			
	WEL	P	ZNE	20 44 44			
	MJZ	EP	ZNE	20 45 26			

DEC	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
DEC 18	01	36	05,2	19,6S 177,7W H M S 4 M S	582KM DIR	4,6 FIJI REGION LOG _W A/T AZ TZ AN TN	WEL 23 AE TE MAG
	MNQ	EP	Z	01 40 17			
	KRP	EP	Z	01 39 58			
DEC 18	06	09	36,2	27,0S 176,3W H M S 4 M S	49KM DIR	4,9 KERMADEC REGION LOG _W A/T AZ TZ AN TN	WEL 16 AE TE MAG
	GNZ	ES	Z	06 15 01			
DEC 18	13	32	05,2	46,3N 142,5E H M S 4 M S	344KM DIR	5,9 SAKHALIN LOG _W A/T AZ TZ AN TN	WEL 92 AE TE MAG
	CRZ	EP	Z	13 44 09			
	KRP	P	Z	13 44 24			
		E	Z	45 15			
		*PP	Z	45			
	COB	EP	Z	13 44 35			
	MJZ	*PP	Z	13 46 06			
DEC 18	18	25	59,0	5,7S 104,0E H M S 4 M S	47KM DIR	5,2 S, SUMATRA LOG _W A/T AZ TZ AN TN	WEL 72 AE TE MAG
	MSZ	P	Z	18 36 54			
DEC 19	00	15	33,0	6,9S 124,8E H M S 4 M S	539KM DIR	BANDA SEA LOG _W A/T AZ TZ AN TN	WEL 56 AE TE MAG
	MSZ	P	Z	00 24 01			
	MNQ	P	Z	00 24 04			
	KRP	EP	Z	00 24 17			
	MNQ	P	Z	00 24 21			
DEC 19	MNQ	EP	Z	02 20 34			
DEC 19	07	50	53,3	54,3S 136,8W H M S 4 M S	33KM DIR	5,3 PACIFIC-ANTARCTIC R. LOG _W A/T AZ TZ AN TN	WEL 34 AE TE MAG
	MNQ	EP	Z	07 57 39			
	KRP	EP	Z	07 57 55			
DEC 19	12	15	30,7	6,3S 134,6E H M S 4 M S	79KM DIR	4,9 SOLOMON IS LOG _W A/T AZ TZ AN TN	WEL 39 AE TE MAG
	KRP	EP	Z	12 22 46			
	MSZ	EP	Z	12 23 00			
DEC 19	16	29	16,8	6,2S 134,6E H M S 4 M S	79KM DIR	4,6 SOLOMON IS LOG _W A/T AZ TZ AN TN	WEL 39 AE TE MAG
	MNQ	EP	Z	16 36 35			
	MSZ	EP	Z	16 36 46			
DEC 19	MNQ	EP	Z	21 05 25			
	MNQ	E(S)	Z	21 07 12			
DEC 20	00	28	10,2	21,1S 169,9E H M S 4 M S	62KM DIR	4,6 LOYALTY IS LOG _W A/T AZ TZ AN TN	WEL 21 AE TE MAG
	MNQ	P	Z	00 32 40			
DEC 20	KRP	EP	Z	06 47 07			
	MNQ	EP	Z	06 47 30			
		ES	Z	30 07			
	COB	EP	Z	06 47 45			

DEC	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
DEC 20	09	40	40,9	4,2S 132,7E H M S 4 M S	48KM DIR	4,7 NEW BRITAIN LOG _W A/T AZ TZ AN TN	WEL 42 AE TE MAG
	MSZ	EP	Z	09 48 36			
DEC 20							
	MSZ	EP	Z	11 42 33			
	KRP	EP	Z	11 42 40			
DEC 20	13	05	28,5	7,2S 129,2E H M S 4 M S	180KM DIR	5,3 BANDA SEA LOG _W A/T AZ TZ AN TN	WEL 53 AE TE MAG
	MSZ	P	Z	13 14 08			
	COB	P	Z	13 14 16			
	MJZ	P	Z	13 14 17			
	KRP	P	Z	13 14 21			
	MNQ	P	Z	13 14 27			
DEC 20							
	ECZ	ES	Z	13 55 01			
	GNZ	EP	Z	13 53 47			
	KRP	EP	Z	13 53 51			
	MNQ	EP	Z	13 54 12			
		E	Z	15			
	WEL	ES	Z	13 56 24			
DEC 21	00	29	50,0	29,7S 179,1W H M S 4 M S	268KM DIR	4,9 KERMADEC REGION LOG _W A/T AZ TZ AN TN	WEL 13 AE TE MAG
	CRZ	P	Z	00 31 53			
	KRP	EP	Z	00 32 00			
		ES	Z	33 48			
	TRZ	E(S)	Z	00 34 02			
	MNQ	EP	Z	00 32 22			
DEC 21	07	20	31,6	5,5S 146,0E H M S 4 M S	130KM DIR	5,3 NEW GUINEA LOG _W A/T AZ TZ AN TN	WEL 44 AE TE MAG
	KRP	P	Z	07 28 33			
	COB	P	Z	07 28 39			
	MNQ	P	Z	07 28 46			
	MSZ	EP	Z	07 28 47			
DEC 21	10	18	02,4	28,2N 130,6E H M S 4 M S	28KM DIR	5,6 RYUKYU IS LOG _W A/T AZ TZ AN TN	WEL 80 AE TE MAG
	KRP	EP	Z	10 29 59			
	MNQ	EP	Z	10 30 09			
	MSZ	EP	Z	10 30 10			
DEC 21	15	11	18,2	6,5S 108,3E H M S 4 M S	221KM DIR	5,0 JAVA LOG _W A/T AZ TZ AN TN	WEL 69 AE TE MAG
	MSZ	P	Z	15 21 31			
	COB	EP	Z	15 21 46			
	KRP	P	Z	15 21 57			
DEC 21	MNQ	EP	Z	15 25 30			
DEC 21	16	32	32,8	15,3S 167,7E H M S 4 M S	129KM DIR	4,6 NEW HEBRIDES LOG _W A/T AZ TZ AN TN	WEL 27 AE TE MAG
	KRP	P	Z	15 37 34			
	GNZ	EP	Z	16 37 47			
DEC 21	KRP	EP	Z	20 13 52			

VEQ	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				H M S	DIR	LOG _a A/T AZ TZ AN TN	WEL MAG
VEQ 22	03	43	47,3	5,75 153,6E	44KM	3,5 NEW IRELAND	WEL 40 AE TE MAG
	KRP	EP	Z	03 51 01			
	CO3	EP	Z	03 51 13			
	MNQ	P	Z	03 51 18			
	MSZ	EP	Z	03 51 27			
VEQ 22	06	25	40,3	59,9S 27,4W	33KM	3,4 SOUTH SANDWICH IS	DIST (DEG) WEL 81 AE TE MAG
	KRP	EP	Z	06 38 10			
VEQ 22	08	13	42,3	16,0S 173,1W	33KM	4,8 TONGA	DIST (DEG) WEL 27 AE TE MAG
	GNZ	EP	Z	08 18 54			
	KRP	EP	Z	08 18 56			
	CO3	EP	Z	08 19 32			
VEQ 22	08	52	10,2	62,0S 164,6E	33KM	3,3 BALLENY IS	DIST (DEG) WEL 22 AE TE MAG
	MSZ	EP	Z	08 56 13			
	WEL	EP	Z	09 01 08			
	MNQ	P	Z	08 57 06			
	KRP	P	ZNE	08 57 32		-1,00	5,3
VEQ 22	MNQ	P	Z	09 25 48			
VEQ 22	10	16	12,1	15,3N 144,9E	99KM	4,7 MARIANA IS	DIST (DEG) WEL 63 AE TE MAG
	KRP	EP	Z	10 26 10			
	MNQ	P	Z	10 26 23			
VEQ 22	11	19	19,3	52,5N 168,1W	33KM	5,2 ALEUTIAN IS	DIST (DEG) WEL 99 AE TE MAG
	KRP	EP	Z	11 32 15			
VEQ 22	KRP	EP	Z	11 36 26			
	MNQ	EP	Z	11 36 46			
	CO3	EP	Z	11 36 58			
VEQ 22	MSZ	EP	Z	12 01 43			
VEQ 22	KRP	EP	Z	18 23 21			
VEQ 22	KRP	EP	Z	19 44 07			
VEQ 22	20	51	41,4	29,0S 176,6W	31KM	4,9 KERMADEC REGION	DIST (DEG) WEL 14 AE TE MAG
	CRZ	EP	Z	20 54 16			
	KRP	EP	Z	20 54 18			
	MNQ	EP	Z	20 54 41			
	MSZ	EP	Z	20 56 11			
VEQ 23	KRP	EP	Z	06 55 24			
VEQ 23	KRP	EP	Z	07 35 27			
VEQ 23	13	22	54,2	57,4N 163,1E	33KM	5,4 KAMCHATKA	DIST (DEG) WEL 99 AE TE MAG
	KRP	EP	Z	13 36 14			

VEQ	H	M	S	EPICENTRE	DEPTH	MAG	DIST (DEG)
				H M S	DIR	LOG _a A/T AZ TZ AN TN	WEL MAG
VEQ 23	14	09	00,5	13,8N 120,6E	118KM	3,3 CENTRAL PHILIPPINES	DIST (DEG) WEL 74 AE TE MAG
	KRP	EP	Z	14 19 19			
VEQ 24	20	36	36,3	15,6S 177,8W	495KM	4,6 FIJI REGION	DIST (DEG) WEL 26 AE TE MAG
	KRP	P	ZNE	20 41 24			
	GNZ	P	Z	20 41 25			
	MNQ	EP	Z	20 41 43			
	MNH	P	Z	20 42 47			
VEQ 25	16	22	36,9	21,2S 170,2E	124KM	4,8 LOYALTY IS	DIST (DEG) WEL 20 AE TE MAG
	KRP	EP	Z	16 26 33			
	MNQ	IP	Z	16 26 59		D	
	CO3	P	Z	16 27 03			
VEQ 25	21	32	27,3	15,8N 59,7W	7KM	5,4 CARIBBEAN SEA	DIST (DEG) WEL 127 AE TE MAG
	KRP	EPKP	ZNE	21 31 34			
	OP	Z	21 33 42				
	MNQ	EPKP	Z	21 51 35			
	EPP	Z	53 28				
	HJZ	EPKP	ZNE	21 51 44			
	MNH	EPKP	Z	21 51 46			
	EPKS	Z	55 07				
VEQ 25	KRP	EP	ZNE	22 04 28			
	HJZ	EP	ZNE	22 04 34			
VEQ 26	15	01	01,4	14,0N 144,3E	136KM	4,3 MARIANA IS	DIST (DEG) WEL 62 AE TE MAG
	KRP	EP	Z	15 10 51			
	CO3	EP	Z	15 10 59			
	MNQ	P	Z	15 11 03			
	MSZ	EP	Z	15 11 09			
VEQ 26	15	14	57,2	18,1S 168,2E	51KM	4,6 NEW HEBRIDES	DIST (DEG) WEL 24 AE TE MAG
	KRP	EP	Z	15 19 35			
	MNQ	EP	Z	15 20 00			
	CO3	EP	Z	15 20 03			
VEQ 28	03	46	55,0	50,0N 77,8E	0KM	5,7 E, KAZAKHSTAN	DIST (DEG) WEL 124 AE TE MAG
	CO3	EPKP	Z	04 05 54			
	KRP	EPKP	Z	04 05 55			
	MNQ	EPKP	Z	04 05 57			
	HJZ	EPKP	Z	04 05 57			
VEQ 28	KRP	P	ZNE	14 36 04		-0,85	
	MNQ	EP	Z	14 36 25			
	ES	Z	40 18				
	CO3	EP	Z	14 36 41			
	MSZ	EP	Z	14 37 32			
VEQ 28	21	25	28,2	22,3S 179,4W	485KM	4,5 S. OF FIJI	DIST (DEG) WEL 20 AE TE MAG
	CRZ	EP	Z	21 28 33			

DATE	TIME	STATION	TYPE	DEPTH (KM)	MAG	EPICENTRE (LAT/LONG)	DIST (DEG)
		KRP	P	21	28	94	
		CNZ	P	21	29	05	
		MNG	EP	21	29	15	
		COB	EP	21	29	27	
		MSZ	EP	21	30	10	
DEC 28	22 47 38.2			18.4N 120.3E	51KM	4.5 LUZON	
		KRP	EP	22	59	25	
		MSZ	EP	22	59	25	
		CNZ	P	22	59	29	
DEC 29		CRZ	EP	02	02	18	
		KRP	EP	02	02	38	
		MNG	EP	02	03	01	
			ES	05	56		
		COB	P	02	03	14	
DEC 29		KRP	P	10	16	24	
DEC 29		KRP	EP	15	46	18	
		CNZ	EP	15	46	39	
		MNG	P	15	46	45	
		MJZ	EP	15	47	15	
		MSZ	EP	15	47	23	
DEC 29	15 48 37.6			17.75 S 175.1W	290KM	4.3 TONGA	
		KRP	P	15	53	13	
		MNG	EP	15	53	34	
DEC 29	23 49 34.0			26.6S 176.4W	64KM	4.6 S. OF FIJI	
		KRP	EP	23	53	10	
		MNG	EP	23	53	21	
DEC 30		KRP	EP	03	40	15	
		CNZ	P	03	40	28	
		MNG	EP	03	40	36	
		COB	EP	03	40	50	
DEC 30	05 10 03.3			27.5N 33.9E	16KM	4.9 EGYPT	
		KRP	PKP	05	29	45	
DEC 30	11 17 31.8			0.15 S 124.1E	88KM	5.2 MOLUCCAS	
		MSZ	P	11	27	24	
		MNW	EP	11	27	27	
		KRP	P	11	27	35	
		MNG	P	11	27	39	
DEC 31	05 37 02.5			34.4N 26.1E	27KM	5.0 CRSTE	
		KRP	EPKP	05	37	19	
DEC 31		MNG	EP	05	42	34	
DEC 31		KRP	P	06	37	48	
		MNG	EP	06	58	13	
DEC 31		KRP	P	12	32	29	

DATE	TIME	STATION	TYPE	DEPTH (KM)	MAG	EPICENTRE (LAT/LONG)	DIST (DEG)
		COB	EP	12	33	00	
DEC 31		KRP	P	15	12	10	
DEC 31		KRP	EP	15	46	12	
DEC 31		CRZ	P	16	36	33	
DEC 31		KRP	EP	16	36	55	
			ES	39	19		
		MNG	EP	16	37	18	
			E(SCP)	44	26		
		MSZ	EP	16	38	13	
DEC 31		KRP	EP	18	48	36	
		COB	EP	18	49	11	
DEC 31	19 01 56.1			28.5N 129.1E	44KM	5.9 RYUKYU IS	
		KRP	P	19	13	58	
			I	14	04		
		MNG	EP	19	14	07	
		MSZ	EP	19	14	09	
		MNW	EP	19	14	11	
DEC 31		KRP	EP	19	21	46	
DEC 31		KRP	EP	20	00	53	
DEC 31		CNZ	P	20	46	09	
DEC 31		KRP	EP	22	10	27	
		MNG	E(S)	22	13	52	
DEC 31	23 38 52.3			7.0S 117.8E	483KM	5.3 E, JAVA	
		MSZ	P	23	47	55	
			PCP	48	42		
		MJZ	EP	23	48	03	
		KRP	P	23	48	16	
			PCP	55			
			PP	50	01		
		HEL	P	23	48	17	-0.50
		(PP)	ZNE	50	02		6.1

PART II- Other Stations Under N.Z. Control.

DATE	TIME	STATION	EPICENTRE	DEPTH	MAG	LOCATION
JAN 01	00 24 45	AFI EP	ZNE 00 24 45			
	00 25 20	S	ZNE 00 25 20			
JAN 01	04 40 13.0J	AFI IP	ZNE 04 40 13.0J			
	04 35	S	ZNE 04 35			
JAN 01	05 53 29.0	SRA EP	EPICENTRE 50,55 150,6E 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	33KM	4.7	W OF MACQUARIE IS
		FL	ZNE 06 57 45	13		
		AFI EP	ZNE 07 01 10		54	
		ELR	ZNE 07 10 36			
		ELR	ZNE 16 36			
		ELR	ZNE 18 48			
JAN 01	09 25 00.5	RAJ EP	EPICENTRE 16,25 179,4E 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	33KM	5.3	FIJI
		S	ZNE 09 27 19	10		
		RAJ EP	ZNE 09 28 16	13		
		SBA EP	ZNE 09 35 18.5	62		
JAN 01	11 09 42	AFI EP	ZNE 11 09 42			
	10 00	S	ZNE 10 00			
JAN 01	17 35 36.2	RAJ P	EPICENTRE 24,9S 179,2E 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	697KM	4.4	S OF FIJI
		AFI EP	Z 17 37 11	14	5=0.11	
		ES	ZNE 17 38 34			
		ES	ZNE 40 53			
JAN 01	21 11 23	AFI EP	ZNE 21 11 23			
JAN 02	03 13 25.6	AFI IP	EPICENTRE 16,4S 174,7W 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	290KM	4.3	TONGA
		S	Z 03 14 25.5J	4		
		S	ZNE 15 10			
JAN 02	07 48 58	SBA EP	ZNE 07 48 58			
	52 20	EL	ZNE 52 20			
JAN 02	10 25 22.8	CBZ P	EPICENTRE 45,0S 167,6E 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	134KM	5.3	SOUTH I., V., Z.
		ES	Z 10 27 09	9		
		SBA EP	Z 10 28 26			
		AFI EP	ZNE 10 31 57	33		
		AFI EP	Z 10 32 05	35		
JAN 02	15 47 55.4	AFI EP	EPICENTRE 12,9S 159,1E 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	635KM	4.7	SANTA CRUZ IS
		SBA EP	Z 15 51 56	19		
		SBA EP	ZNE 15 57 36	65		
JAN 02	17 21 15.1	AFI EP	EPICENTRE 16,1S 178,3W 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	607KM	4.1	FIJI
		AFI EP	Z 17 23 10	9		
JAN 02	17 32 59.8	AFI IP	EPICENTRE 15,2S 173,6W 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	33KM	4.7	TONGA
		AFI IP	ZNE 17 32 42.3JUNE	2		

DATE	TIME	STATION	EPICENTRE	DEPTH	MAG	LOCATION
		RAR	ZNE 33 02			
		EP	ZNE 17 35 32		14	
		EP	ZNE 38 01			
		EP	ZNE 48 27			
		EP	ZNE 17 42 40		63	
JAN 02	17 50 46.6	SBA EP	EPICENTRE 56,0S 27,5W 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	51KM	5.9	SOUTH SANDWICH IS
		EP	ZNE 17 59 04.5J	45	0.56	
		EP	ZNE 18 00 40			
		EP	ZNE 05 46			
		EP	ZNE 09 40			
		EP	ZNE 12 43			
JAN 03	00 18 21.0	RAJ P	EPICENTRE 24,5S 176,2W 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	68KM	4.7	S OF FIJI
		S	Z 00 19 33	5		
		S	Z 00 20 26			
		EP	ZNE 00 20 53	11		
		EP	ZNE 22 52			
		EP	ZNE 00 21 41.9	15	-1.05	
		EP	ZNE 24 18			5.0
		EP	ZNE 00 27 41	54		
JAN 03	13 28 12.9	AFI EP	EPICENTRE 51,2N 179,4W 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	29KM	5.8	ALEUTIAN IS
		EP	ZN 13 47 36	65		
		EP	ZNE 55 16			
JAN 03	13 50 23.9	AFI EP	EPICENTRE 24,5S 176,1W 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	33KM	4.7	S OF FIJI
		EP	Z 13 52 59	11		
		EP	ZNE 54 53			
		EP	ZNE 13 53 49	15		
		EP	ZNE 56 21			
JAN 04	02 38 50	AFI EP	ZNE 02 38 50			
	59 45	EP	ZNE 59 45			
JAN 04	20 15 23.2	AFI EP	EPICENTRE 26,4S 178,4E 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	599KM	4.1	S OF FIJI
		EP	ZNE 22 18 35	15		
JAN 04	22 36 47.9	AFI EP	EPICENTRE 6,8S 129,8E 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	107KM	5.7	BANDA SEA
		EP	Z 22 46 31	59		
		EP	ZNE 22 46 11	74		
JAN 05	01 32 56.8	SBA EP	EPICENTRE 1,1N 125,9E 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	33KM	5.3	MOLUCCAS
		EP	ZNE 01 45 14	82		
JAN 05	07 28 55.8	SBA EP	EPICENTRE 4,1N 125,6E 4 M S DIR DIS LGWA/T AZ TZ AN TN AE TE MAG	59KM	5.3	S OF MINDANAO
		EP	Z 07 41 26	85		
JAN 05	13 27 06	AFI EP	ZNE 13 27 06			
	53	S	ZNE 53			

H M S		EPICENTRE	DEPTH	MAG							
H M S		DIR DIS LG _W /T AZ TZ AN TN AE TE MAG									
JAN 05	13 26 37.9	5.05 159.9E	47KM	5.4	SOLOMON IS						
AFI	IP	ZNE 13 32 40.00	29								
	IS	ZNE 37 32.0									
	IL	ZNE 40 00.0									
RAR	EP	ZNE 13 34 25	42								
	I	ZNE 32.5									
	I ⁰⁰	ZNE 46.0									
	EP	ZNE 36 34	17 8								
	EPPP	ZNE 37 32	13 8								
	S	ZNE 40 48									
	ESS	ZNE 44 12	144 16 55 13	7.3							
	EL	ZNE 46 36	129 32	240 31							
CBZ	P	Z 13 34 51	45								
	E ⁰⁰ PP	Z 35 06									
SBA	EP	ZNE 13 37 48	70	-0.75							
	EP ⁰⁰	ZNE 38 04									
	ESS	ZNE 47 00									
	EL	ZNE 50 45									
	ELD	ZNE 55 00									
	ELR	ZNE 59 10									
JAN 05	SUV	Z 13 36 42									
JAN 05	16 14 30.4	1.6V 126.6E	33KM	5.4	MOLUCCAS						
SBA	EP	ZNE 16 26 50.5	82								
JAN 05	16 30 42.8	8.9S 123.9E	27KM	5.6	FLORES REGION						
AFI	EP	Z 17 01 15	63								
SBA	EP	ZNE 17 02 08	72								
JAN 05	AFI	EP	ZNE 17 22 01								
	ES	ZNE 23 24									
JAN 06	01 04 52.1	5.2S 159.0E	33KM	4.8	SOLOMON IS						
AFI	EP	ZNE 01 10 57	29								
JAN 06	AFI	EP	ZNE 04 38 10								
	S	ZNE 34									
JAN 06	06 22 05.8	16.4S 173.9W	33KM	4.2	TONGA						
AFI	EP	ZNE 06 22 53	3								
	S	ZNE 23 24									
RAR	P	ZNE 06 25 14.5	14								
JAN 06	12 29 12.5	22.5S 179.2E	586KM	4.5	S. OF FIJI						
AFI	EP	ZNE 12 31 53	12								
	ES	ZNE 33 59									
SBA	IP	ZNE 12 37 54.5	56								
JAN 06	15 30 29.7	30.2S 178.0W	137KM	5.2	KERMADEC IS						
AFI	EP	ZNE 15 34 11	17	-0.96							
	S	ZNE 37 04									
	ET	ZNE 47 11									

RAR	P	ZNE 15 34 32.1	19								
	E ⁰⁰ PP	Z 45									
	ES	ZNE 37 42									
SBA	EP	ZNE 15 39 03.5	48								
	ES	ZNE 46 01									
JAN 06	15 39 00.0	10.5S 164.5E	32KM	5.2	SANTA CRUZ IS						
AFI	EP	ZNE 15 44 07	23	0.03							
	IS	ZNE 48 24.0									
RAR	EP	ZNE 16 46 04	36								
	E ⁰⁰ PP	ZNE 48 20									
	ESS	ZNE 51 41									
	EL	ZNE 54	108 22								
SBA	EP	ZNE 15 49 59	67								
	ES	ZNE 59 00									
	ESS	ZNE 16 02 50									
	ELD	ZNE 06 48									
	ELR	ZNE 09 50									
JAN 06	17 06 15.8	10.9S 164.4E	33KM	5.0	SANTA CRUZ IS						
AFI	EP	Z 17 11 25	23								
SBA	EP	ZNE 17 17 11	67								
JAN 06	17 33 40.5	10.7S 164.4E	33KM	5.4	SANTA CRUZ IS						
AFI	EP	ZNE 17 38 47	23	-1.03							
	S	ZN 43 00									
	IL	VE 44 00.0									
	I ⁰⁰	Z 44.0									
SBA	EP	ZNE 17 44 35	67								
JAN 07	01 14 14.1	6.2S 146.4E	97KM	5.3	NEW GUINEA						
SBA	EP	ZNE 01 25 32	72								
JAN 07	AFI	EP	Z 01 46 49								
	EIS	ZNE 47 32									
JAN 06	20 50 24.6	30.2S 178.2W	139KM	4.5	KERMADEC REGION						
RAR	EP	ZNE 20 54 20	19								
	ES	VE 57 33									
	ET	ZNE 21 13 07									
SBA	EP	ZNE 20 58 50	48								
JAN 07	04 40 21.4	16.0S 167.5E	45KM	4.7	NEW HEBRIDES						
AFI	EP	Z 04 44 56	20	-1.26							
	E ⁰⁰ PP	ZNE 45 12									
	ES	ZNE 48 42									
	EL	ZNE 50 12									
SBA	EP	ZNE 04 50 39.5	62								
JAN 07	17 46 45.3	10.9S 164.4E	29KM	5.3	SANTA CRUZ IS						
AFI	EP	ZNE 17 51 54	23	-0.92							
	ES	ZNE 56 16									
	E(SSS)	Z 57 12									
	EL	Z 58 00									

	SBA	EP	ZNB	17 37 40	67	
JAN 08	SUV	EP	Z	06 13 33		
JAN 08	SUV	P	Z	07 45 45		
JAN 08	SUV	EP	Z	08 22 26		
JAN 08	AFI	EP	ZNE	12 10 27		
		S	ZNE	49		
JAN 08	AFI	IP	ZNE	12 17 00.2U		
		S	ZNE	19		
JAN 08	AFI	EP	ZNE	21 06 17		
		S	ZNE	07 03		
JAN 09			H M S	EPICENTRE	DEPTH	MAG
			11 48 47.2	18.8S 179.4E	619KM	4.9 FIJI
				H M S	DIR DIS	LG _W /T AZ TZ AN TN AE TE MAG
	SUV	EP	Z	11 30 09	1	
	AFI	IP	ZNE	11 31 05.0	10	
		ES	ZNE	52 37		
	SBA	EP	ZNE	11 57 54	59	
JAN 09			H M S	EPICENTRE	DEPTH	MAG
			16 32 51.7	7.8S 138.7E	31KM	4.9 SOLOMON IS
				H M S	DIR DIS	LG _W /T AZ TZ AN TN AE TE MAG
	SBA	EP	Z	16 44 14	70	
JAN 09			H M S	EPICENTRE	DEPTH	MAG
			18 33 03.5	23.2S 178.4E	590KM	5.0 S; OF FIJI
				H M S	DIR DIS	LG _W /T AZ TZ AN TN AE TE MAG
	AFI	EP	ZNE	18 36 05	15	
		S	ZNE	58 31		
	RAR	EP	ZNE	18 37 04	20	
	SBA	EP	ZNE	19 01 31	53	
JAN 10			H M S	EPICENTRE	DEPTH	MAG
			09 45 12.5	15.0S 175.4W	106KM	4.2 TONGA
				H M S	DIR DIS	LG _W /T AZ TZ AN TN AE TE MAG
	AFI	IP	ZNE	09 46 34.5U	4 -0.17	
		S	ZNE	47 28		
JAN 10	AFI	EP	Z	10 39 54		
		IS	ZNE	40 35.0		
		ET	ZNE	42 28		
JAN 10			H M S	EPICENTRE	DEPTH	MAG
			14 15 11.7	58.8S 148.9E	33KM	W; OF MACQUARIE I.
				H M S	DIR DIS	LG _W /T AZ TZ AN TN AE TE MAG
	SBA	EP	ZNE	14 19 45	20	
		EL	ZNE	25 00		
JAN 11			H M S	EPICENTRE	DEPTH	MAG
			04 26 26.8	28.4S 177.0W	68KM	5.4 KERMADEC IS
				H M S	DIR DIS	LG _W /T AZ TZ AN TN AE TE MAG
	SUV	EP	Z	04 29 05	11	
	AFI	EP	ZNE	04 29 48.5	15	
		S	ZNE	32 24		
		ET	ZNE	43 09		
	RAR	P	ZNE	04 30 12.8	17	
		ES	ZNE	32 58		
		ES	ZNE	33 01		
		EL	ZNE	34 20		
		ET	ZNE	45 25		
JAN 11	SUV	EP	Z	04 42 15		

	H	M	S	EPICENTRE	DEPTH	MAG
JAN 11	04	47	42.7	28.5S 176.8W	68KM	5.1 KERMADEC IS
				H M S	DIR DIS	LG _W /T AZ TZ AN TN AE TE MAG
	AFI	EP	ZNE	04 51 05	15	
		S	ZNE	53 40		
		ET	ZNE	05 05 28		
	RAR	P	ZNE	04 31 31.5	17	
		ES	ZNE	54 17		
		ET	ZNE	05 08 48		
JAN 11			H M S	EPICENTRE	DEPTH	MAG
			05 02 55.9	28.5S 176.7W	76KM	5.2 KERMADEC IS
				H M S	DIR DIS	LG _W /T AZ TZ AN TN AE TE MAG
	SUV	EP	Z	05 05 37	11	
	AFI	(P)	ZNE	05 06 35	15	
		(S)	ZNE	09 05		
		ET	ZNE	21 16		
	RAR	EP	ZNE	05 06 41	17	
JAN 11			H M S	EPICENTRE	DEPTH	MAG
			06 27 29.0	17.7S 178.8W	529KM	4.6 FIJI
				H M S	DIR DIS	LG _W /T AZ TZ AN TN AE TE MAG
	SUV	EP	Z	06 28 46	3	
	AFI	IP	Z	06 29 25.2D	5	
		S	ZNE	30 57		
JAN 12			H M S	EPICENTRE	DEPTH	MAG
			04 09 24.3	23.3S 179.6E	697KM	4.2 S; OF FIJI
				H M S	DIR DIS	LG _W /T AZ TZ AN TN AE TE MAG
	SBA	IP	ZNE	04 17 55.5	55	
JAN 12	AFI	IP	ZNE	07 19 43.5U		
		IS	ZNE	20 04.0		
JAN 12			H M S	EPICENTRE	DEPTH	MAG
			14 12 33.0	14.1S 72.7W	113KM	5.2 PERU
				H M S	DIR DIS	LG _W /T AZ TZ AN TN AE TE MAG
	SBA	EP	ZNE	14 25 06	82	
JAN 12	AFI	IP	ZNE	20 36 02.5U		
		I(S)	ZNE	37 44.0		
JAN 12	AFI	IP	ZNE	22 46 55.2U		
		S	ZNE	47 14		
JAN 13	AFI	EP	ZNE	07 38 03		
		IS	ZNE	59 03.0		
JAN 13			H M S	EPICENTRE	DEPTH	MAG
			08 55 03.9	8.0S 158.9E	48KM	5.7 SOLOMON IS
				H M S	DIR DIS	LG _W /T AZ TZ AN TN AE TE MAG
	RAR	EPT	Z	08 32 54	42	
		E(SPP)	ZE	03 04		
	SBA	EP	ZNE	08 06 12	70	
JAN 12	RAR	P	ZNE	08 24 17.5		
JAN 13	AFI	IP	ZNE	09 48 54.5D		
		IS	ZNE	49 16.0		
JAN 13			H M S	EPICENTRE	DEPTH	MAG
			21 24 22.5	18.8S 173.8W	33KM	4.8 TONGA
				H M S	DIR DIS	LG _W /T AZ TZ AN TN AE TE MAG
	AFI	EP	ZNE	21 25 39	5	
		S	ZNE	24 32		
		T	ZNE	30 31		
	RAR	P	ZNE	21 27 15	13	

	H	M	S	EPICENTRE	DEPTH	MAG	
JAN 14	11	26	08,4	20,2S 175,8W	16KM	4,9	TONGA
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
SUV	EP	Z	11 27 39		6		
AFI	EP	Z	11 27 38		7		
	E(S)	NE	29 36				
RAR	EP	ZNE	11 29 36		15		
JAN 14	12	35	37,2	10,9S 164,4E	16KM	5,2	SANTA CRUZ IS
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
AFI	E(L)	ZE	12 47 12		23		
SBA	EP	ZNE	12 46 31		67		
JAN 14	AFI	E(P)	ZNE	22 00 42			
JAN 14	23	12	07,9	36,2N 29,2E	33KM	5,5	TURKEY
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
CBZ	PKP	Z	23 31 31		148		
	PKP2	Z	32 07				
AFI	PKP	ZNE	23 32 00		151		
JAN 16	AFI	EP	ZNE	06 45 20			
	ES	ZNE	46 11				
	ET	ZNE	49 43				
JAN 16	11	06	39,7	23,6S 176,1W	45KM	5,1	S. OF FIJI
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
RAR	EP	ZNE	11 09 59		19		
	ES	ZNE	12 32				
	ET	ZNE	25 11				
SBA	EP	ZNE	11 16 04		55		
JAN 17	AFI	IP	NE	04 45 06,0			
	S	NE	34				
	T	NE	47 23				
JAN 17	AFI	IP	NE	10 25 29,0			
	IS	NE	26 03,0				
JAN 17	AFI	EIP	NE	18 51 55			
	S	NE	32 13				
	T	NE	53 43				
JAN 18	AFI	E(P)	Z	03 00 19			
JAN 18	03	02	38,7	56,8S 26,8W	141KM	5,9	SOUTH SANDWICH IS
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	03 10 49		49		
JAN 18	AFI	EP	ZNE	06 32 21			
	ES	ZNE	33 48				
JAN 18	AFI	EP	ZNE	10 31 20			
	ES	ZNE	32 48				
JAN 18	RAR	EP	ZNE	16 47 19			
	E	Z	48 19,5				
	ES	NE	49 48				
	ET	ZNE	17 02 35				
JAN 18	AFI	EP	ZNE	17 16 42			
	ES	ZNE	18 28				
	E(T)	ZNE	27 17				

	RAR	EP	ES	ET	ZNE	DEPTH	MAG
					17 17 42,9		
					20 08		
					33		
JAN 18	AFI	EP			ZNE	20 06 40	
		ES			ZNE	07 24	
JAN 19	07	02	04,4			49,0V 143,2E	204KM 5,4 HOKKAIDO
						H M S	DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG
AFI	EIP	ZNE	07 13 04		71		
	E	ZNE	14 00				
	IS	ZNE	22 00,0				
	I	ZN	26 12,0				
	E	NE	28 00				
	SSS	NE	30 28				
	IL	ZE	31 37,0				
RAR	EP?	Z	07 14 12		84		
	EP	ZNE	15,5				
	E(PPP)	Z	15 25				
	E	Z	18 30				
	ES	ZNE	24 15				
	E(SS)	ZE	30 04				
	E(SSS)	ZNE	36 44				
	EL	ZNE	40 40				
	EL	ZNE	43				
SBA	EPKP	ZNE	07 20 35		123		
JAN 19	AFI	EIP	ZNE	12 18 03			
	IS	ZNE	57,0				
JAN 19	18	30	32,1			14,9S 167,2E	112KM 6,2 NEW HEBRIDES
						H M S	DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG
AFI	IP	ZNE	18 35 23,0		20		
	IS	ZNE	39 04,0				
	I(PCS)	ZNE	19 02 56,1				
RAR	EIP	ZNE	18 37 09		USE 32		
	EPP	ZN	38 01				
	ES	ZNE	19 02 03				
CBZ	P	Z	18 37 57		38		
	S	Z	19 03 52				
SBA	IP	ZNE	19 01 08,0		63		
JAN 20	01	02	45,7			28,7S 176,8W	73KM 4,6 KERMADEC IS
						H M S	DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG
SUV	EP	Z	01 05 30		11		
AFI	EP	Z	01 06 11		19		
	ES	NE	08 49				
	ET	ZNE	19 32				
RAR	EP	ZNE	01 06 30,5		17		
JAN 20	04	46	10,2			10,2S 164,3E	33KM 5,0 SANTA CRUZ IS
						H M S	DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG
AFI	ES	ZN	04 35 32		23		
	EL	ZE	56 28				
JAN 20	AFI	EP	ZNE	06 20 21			
	IS	ZNE	52,0				
JAN 20	12	24	35,2			10,2S 164,6E	4KM 5,8 SANTA CRUZ IS
						H M S	DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG
SUV	EP	Z	12 28 18		16		
AFI	EP	ZNE	12 29 46		23		
	S	ZNE	33 36				

		IL	ZE	35 00.0		
RAR	ES	Z	12 37 31	36		
	ELQ	N	39 54			
	ELR	ZNE	42 12			
SBA	ES	ZNE	12 44 34	68		
	EL	ZNE	56 30			
H M S EPICENTRE DEPTH MAG						
JAN 20	14 20 11.5	54.9N 166.0E	23KM	5.1	KOHANDORSKY IS	
H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG						
AFI	EP	ZNE	14 31 28	71		
	ES	ZN	40 32			
	ESSS	E	49 04			
	EL	ZN	52 32			
H M S EPICENTRE DEPTH MAG						
JAN 21	01 47 29.6	7.3S 128.3E	91KM	5.6	BANDA SEA	
H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG						
AFI	EIP	ZNE	01 57 24	59 = 0.90		
JAN 21	AFI EIP	ZNE	04 09 40			
	IS	ZNE	10 51.0			
JAN 21	AFI E(S)	ZNE	10 52 24			
JAN 21	AFI IP	Z	13 03 29.80			
H M S EPICENTRE DEPTH MAG						
JAN 21	20 38 00.7	21.9S 169.9E	33KM	4.9	LOYALTY IS	
H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG						
SUV	EP	Z	20 40 14	9		
AFI	EP	ZNE	20 42 27	19		
	ES	ZNE	46 02			
	EL	N	47 28			
JAN 22	SUV EP	Z	23 03 55			
JAN 23	AFI IP	ZNE	00 21 57.40			
	IS	ZNE	22 52.6			
JAN 23	AFI EP	Z	04 10 07			
	ES	ZNE	11 10			
	ET	ZNE	16 08			
RAR	EP	Z	04 11 26			
	ES	ZE	13 40			
JAN 23	AFI E(P)	ZE	06 00 31			
JAN 23	AFI P	ZNE	13 53 00			
	S	ZNE	35			
H M S EPICENTRE DEPTH MAG						
JAN 24	02 33 03.5	21.9S 179.6W	595KM	3.9	FIJI	
H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG						
SUV	I.P	Z	02 34 31.5	4		
	ESCS	Z	03 46 43			
AFI	IP	ZNE	02 35 28.00	11		
	IS	ZNE	37 21.5			
	ISOP	Z	43 11.0			
	ISOS	E	46 50.0			
	I*SSCS	E	51 04.0			
RAR	IP	ZNE	02 36 43.0UNE	18	30 8	30 12 6.9
	ES	ZNE	39 41			
	ET	ZNE	51 43			
SBA	IP	ZNE	02 41 52.0U	56 = 0.120	6.1	
	EPOP	ZNE	42 52			
	ES	ZNE	49 09			

		ESCS	ZNE	50 43		
JAN 24	AFI EP	S	ZNE	03 36 20		
		T	ZNE	57 09		
			ZNE	04 00 07		
JAN 24	AFI E(P)		ZNE	09 05 07.5		
JAN 24	AFI EP	S	Z	07 15 05		
			ZNE	47		
JAN 24	SUV EP		Z	17 00 38		
H M S EPICENTRE DEPTH MAG						
JAN 25	05 19 17.1	0.8N 126.1E	24KM	5.9	MOLUCCAS	
H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG						
AFI	EP	ZNE	05 29 47	63 = 0.93	6.3	
	ES	ZE	38 12			
	ESS	Z	42 36			
	EL	N	46 12			
	ELQ	ZE	50 32			
RAR	EP	ZNE	05 31 03	76		
	ES	E	40 52			
	ELQ	N	52			
	ELR	ZNE	57			
SBA	EP	ZNE	05 31 34 U	82 = 0.93	6.3	
	ES	ZNE	41 46			
	ESS	ZNE	47 10			
	ELQ	ZNE	54 10			
	ELR	ZNE	58 42			
JAN 25	AFI IP	S	ZNE	06 18 50.50		
			ZNE	19 37		
H M S EPICENTRE DEPTH MAG						
JAN 25	11 05 30.6	32.9S 178.0W	14KM	4.7	S. OF KERMADEC IS	
H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG						
AFI	EP	Z	11 10 13	19		
	ES	ZNE	12 37			
	E(T)	ZNE	28 13			
RAR	EP	ZNE	11 10 18	20		
JAN 25	AFI EP	S	ZNE	22 00 05.5		
	ES	ZNE	01 28			
H M S EPICENTRE DEPTH MAG						
JAN 25	23 52 42.4	54.4S 143.8E	33KM	5.9	W. OF MACQUARIE I.	
H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG						
SBA	EP	ZNE	23 58 05	25		
	ES	ZNE	24 02 40			
	ELQ	ZNE	04 48			
	ELR	ZNE	05 44			
AFI	EL	ZN	24 18 20	53		
H M S EPICENTRE DEPTH MAG						
JAN 26	04 58 45.8	10.2S 161.5E	75KM	5.2	SOLOMON IS	
H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG						
AFI	EP	ZNE	05 04 17	26		
	E*PP	Z	37			
	ES	NE	09 24			
SBA	EP	ZNE	05 09 37	65		
H M S EPICENTRE DEPTH MAG						
JAN 26	06 06 05.9	6.6N 127.4E	50KM	5.4	PHILIPPINES	
H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG						
SBA	EP	ZNE	06 18 48.5	87		

	H	M	S	EPICENTRE	DEPTH	MAG													
JAN 26	13	23	46.9	56.3S 174.2W	33KM	5.1	SOUTH SANDWICH IS												
				H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	SBA	EP		ZNE 13 32 10			46												
JAN 26	17	26	40.0	20.1S 174.8W	33KM	4.8	TONGA												
				H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	IP		Z 17 28 19.2U			7												
		EIS		ZNE 29 33															
		ET		ZNE 35 00															
	RAR	EP		ZNE 17 29 48			14												
		ES		ZNE 32 04															
		ET		ZNE 18 43 30															
JAN 27	02	54	40.2	30.6S 177.2W	33KM	5.0	KERMADEC IS												
				H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	EP		ZNE 02 58 39			17 =1.11							5.0					
		ES		ZNE 03 01 35															
		ET		ZNE 15 04															
	RAR	EP		ZNE 02 58 46			18												
		ES		ZNE 03 01 50															
	SBA	EP		ZNE 03 03 20			49												
JAN 27	03	09	16.0	30.6S 177.2W	24KM	5.0	KERMADEC IS												
				H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	P		Z 03 13 11			17												
		(S)		ZNE 16 06															
		ET		ZNE 29 07															
	RAR	EP		ZNE 03 13 25			18												
		E		E 16 18															
		ES		NE 27															
	SBA	EP		ZNE 03 17 57			48												
JAN 27	SUV	EP		Z 05 47 33															
JAN 27	AFI	IP		ZNE 06 28 20.9D															
		IS		ZNE 39.0															
JAN 27	SUV	P		Z 09 51 12															
JAN 27	10	01	05.7	30.9S 179.7W	300KM	4.9	KERMADEC IS												
				H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	SUV	P		ZNE 10 03 59			13												
	AFI	EIP		ZNE 10 04 59			18												
		E(T)		ZNE 19 03															
	SBA	EP		ZNE 10 09 12			47 =1.11							5.4					
JAN 27	10	06	27.6	15.0S 177.5W	420KM	4.6	FIJI												
				H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	SUV	EP		Z 10 07 47			5												
	AFI	IP		ZNE 10 07 49.2D			6												
JAN 27	13	15	24.4	8.8N 137.7E	5KM	5.5	W; CAROLINE IS.												
				H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	I(P)		ZNE 13 25 10.0			53												
		ES		ZNE 32 40															
		ESS		ZNE 36 40															
		E(SSS)		NE 38 15															
		EL		ZNE 40 30															
	RAR	ES		E 13 35 41			68												
		EPB		ZNE 36 21															

	SBA	EP	ZNE	EPICENTRE	DEPTH	MAG													
			13 28 17.5											88					
		EPP		ZNE 31 48															
		ES		ZNE 38 50															
		ESS		ZNE 44 40															
		ELQ		ZNE 51 88															
JAN 27	18	24	23.0	13.2S 166.9E	130KM	5.1	NEW HEBRIDES												
				H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	EP		ZNE 18 28 55			21												
	SBA	EP		ZNE 18 34 48.5			65												
JAN 27	18	41	45.1	20.5S 169.6E	46KM	4.6	NEW HEBRIDES												
				H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	EP		Z 18 46 04.5			19 =0.93							5.2					
	SBA	EP		ZNE 18 51 31			57												
JAN 28	AFI	IP		ZNE 00 04 31.3D															
		IS		ZNE 49.0															
JAN 28	00	27	31.2	14.8S 173.4W	13KM	5.2	SAMOA												
				H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	IP		ZNE 00 27 57.0			2												
		IS		ZNE 28 14.0															
	RAR	EP		ZNE 00 30 49			14												
		EL		ZNE 34 36															
		ET		ZNE 45															
	SBA	EP		ZNE 00 38 05.5			64												
JAN 28	AFI	E(P)		ZNE 01 53 12															
		S		ZNE 54 09															
JAN 28	AFI	IP		ZNE 03 33 59.0D															
		S		ZNE 34 18															
		T		ZNE 35 56															
JAN 28	AFI	EIP		ZNE 09 08 53															
JAN 28	11	29	44.7	21.9S 179.7W	640KM	4.5	FIJI												
				H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	IP		ZNE 11 32 06.5U			11												
		S		ZNE 34 02															
JAN 28	AFI	IP		ZNE 12 29 16.9D															
		S		ZNE 35															
JAN 28	14	04	47.8	19.1S 174.6W	39KM	4.8	TONGA												
				H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	EP		ZNE 14 06 14			5												
		S		ZNE 07 15															
JAN 28	AFI	EIP		ZNE 16 35 47															
		IS		ZNE 36 04.0															
JAN 29	AFI	IP		ZNE 09 27 23.0D															
		IS		ZNE 47.0															
JAN 29	13	35	38.3	18.8S 178.1W	455KM	4.3	FIJI												
				H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	EP		Z 13 37 27			8												
		ES		ZNE 38 51															

		H	M	S	EPICENTRE	DEPTH	MAG										
JAN 29		17	44	31.1	17.2S 171.6W	33KM	5.0	TONGA									
	AFI	IP			ZNE 17 45 19.0		3		DIR DIS LG _w A/T AZ TZ AN TN AE TE MAG								
					ZNE 53												
	SUV	P			Z 17 46 51.2	10	1.18										
	RAR	EP			ZNE 17 47 11		12										
					ZNE 13												
					ZNE 49 14												
	SBA	IP			ZNE 17 54 47.0		62										
		ES			ZNE 03 15												
		ELR			ZNE 12 30												
JAN 29		19	30	26.5	11.4S 156.4E	193KM	5.0	SANTA CRUZ IS									
	SUV	EP			Z 19 33 37		13		DIR DIS LG _w A/T AZ TZ AN TN AE TE MAG								
	AFI	EP			ZNE 19 35 04		21										
	SBA	EP			ZNE 19 41 01		66										
JAN 30	SUV	EP			Z 10 39 21												
JAN 30		10	29	40.4	4.8V 127.4E	70KM	5.9	S; OF MINDANAD									
	AFI	EP			ZNE 10 40 03		63		DIR DIS LG _w A/T AZ TZ AN TN AE TE MAG								
		IS			ZNE 48 36.0												
		ISS			VE 52 32.0												
		ILQ			V 56 12.0												
		ILR			ZE 11 00 04.0												
	CBZ	EP			Z 10 40 38		67										
	RAR	EP			ZNE 10 41 46		76										
					Z 58.5												
		ES			B 50 23												
		ESKS			ZN 40												
		ESS			NE 55 00												
		EL			ZNE 11 02												
	SBA	EP			ZNE 10 42 13		85										
		ES			ZNE 32 00												
		EPS			ZNE 53 02												
		EL			ZNE 05 00												
JAN 30	AFI	EP?			Z 11 09 32												
		E(P)			Z 47												
JAN 30	AFI	EP			ZNE 15 01 59												
		IS			ZNE 02 22.0												
JAN 30		17	19	35.0	4.9V 127.5E	72KM	5.3	S; OF MINDANAD									
	AFI	EP			ZNE 17 30 14.2		63		DIR DIS LG _w A/T AZ TZ AN TN AE TE MAG								
	SBA	EP			ZNE 17 32 18.5		85										
JAN 30		18	36	37.3	4.0V 123.0E	521KM	5.3	CELEBES SBA									
	AFI	IP			ZNE 18 46 41.2		67		DIR DIS LG _w A/T AZ TZ AN TN AE TE MAG								
JAN 31		00	44	13.3	4.2V 128.1E	33KM	5.7	HALMAHERA									
	AFI	IP			ZNE 00 54 40.5		62		DIR DIS LG _w A/T AZ TZ AN TN AE TE MAG								
		IS			ZNE 01 03 02												
		ISS			ZN 06 44.0												
		ISSS			ZN 10 24.0												
		L			ZE 13 32												

	SBA	EP			ZNE 00 56 42		85										
		ES			ZNE 01 07 06												
		ESS			ZNE 12 40												
		ELQ			ZNE 19 00												
		ELR			ZNE 22 00												
JAN 31		08	56	42.8	4.3V 128.1E	33KM	5.4	HALMAHERA									
	SBA	EP			ZNE 09 09 13		85		DIR DIS LG _w A/T AZ TZ AN TN AE TE MAG								
JAN 31		13	48	22.8	4.3V 128.1E	33KM	5.4	HALMAHERA									
	AFI	EIP			ZNE 13 58 58		62		DIR DIS LG _w A/T AZ TZ AN TN AE TE MAG								
		ES			ZNE 14 07 20												
		ESS			ZE 11 40												
		E(SSS)			N 14 36												
		EL			ZNE 17 32												
	SBA	EP			ZNE 14 00 56		85										
JAN 31		14	59	34.3	15.5S 175.0W	242KM	5.4	TONGA									
	AFI	IP			ZNE 15 00 32.0		3		DIR DIS LG _w A/T AZ TZ AN TN AE TE MAG								
		IS			ZNE 01 13.0												
	SUV	EP			Z 15 01 17		7										
	RAR	P			ZNE 15 03 00.5		15										
		ES			VE 06 05												
		ET			ZNE 17 12												
	SBA	IP			ZNE 15 09 37.0		63										
JAN 31		23	31	18.2	32.1S 179.6E	391KM	5.2	S; OF KERMADEC IS									
	SUV	EP			Z 23 34 19		14		DIR DIS LG _w A/T AZ TZ AN TN AE TE MAG								
	AFI	IP			ZNE 23 35 19.8		20										
		S			ZNE 38 43												
		ET			ZNE 49 10												
	RAR	P			ZNE 23 35 34.5		21										
		E(*PP)			Z 36 30												
		ET			ZNE 52 30												
	SBA	EP			ZNE 23 39 06		46										
		EPCP			ZNE 40 34												
FEB 01	AFI	EIP			ZNE 00 58 01												
		S			ZNE 21												
FEB 01		04	18	49.0	21.7S 179.3W	616KM	4.3	FIJI									
	AFI	EP			ZNE 04 21 02		11		DIR DIS LG _w A/T AZ TZ AN TN AE TE MAG								
		IS			VE 22 59.0												
FEB 01	AFI	IP			ZNE 09 45 43.5												
		IS			ZNE 46 14.0												
FEB 01	AFI	EP			ZNE 09 53 22												
		S			ZNE 53												
		ET			ZNE 56 05												
FEB 01	AFI	EIP			Z 13 22 57.1		-1.12										
FEB 01	AFI	IP			Z 16 23 31.0												
		(S)			ZNE 24 39.0												

	ES	ZNE	34 12						
	ESS	ZE	40 08						
	E(L)	ZE	46 56						
	EL	ZNE	51 12						
FEB 04	H M S	EPICENTRE	DEPTH	MAG					
	11 28 44,5	19,8S 178,9W	623KM	5,0	FIJI				
	AFI EIP	H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN
	EIS	NE 11 30 48		9					
		NE 32 28							
FEB 05	H M S	EPICENTRE	DEPTH	MAG					
	10 36 24,6	3,8N 128,6E	39KM	5,2	N OF HALMAHERA				
	AFI ES	H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN
	EL	E 10 59 36		62					
	SBA ES	NE 11 05 28							
		NE 10 59 20		84					
FEB 06	AFI IP	Z	10 05 22,9D						
	S	ZNE	48						
FEB 06	H M S	EPICENTRE	DEPTH	MAG					
	16 09 01,7	24,7S 175,2W	33KM	4,8	S OF TONGA				
	RAD EP	H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN
	ES	Z 16 10 16		5	-0,02				
	SUV P	Z 16 11 14							
	AFI EP	Z 16 11 06		9					
	EIS	ZNE 16 11 32		11					
	ET	ZNE 13 27							
	RAR P	ZNE 21 39							
		ZNE 16 12 19		15					
FEB 07	H M S	EPICENTRE	DEPTH	MAG					
	03 42 43,4	25,1S 175,2W	33KM	4,9	S OF TONGA				
	AFI EP	H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN
	ES	ZNE 03 45 11		12					
	ET	ZNE 47 06							
	RAR P	ZNE 56 04							
		ZNE 03 46 02		15					
FEB 07	AFI IP	ZNE	09 24 08,0U						
	IS	ZNE	22,0						
FEB 07	AFI EP	ZNE	13 04 30						
	E(S)	ZNE	06 20						
	E(T)	ZNE	15 05						
FEB 08	AFI IP	ZNE	01 56 03,7U						
	IS	ZNE	23,0						
FEB 08	H M S	EPICENTRE	DEPTH	MAG					
	10 31 43,4	27,9S 176,5W	118KM	4,3	KERMADEC IS				
	RAD EP	H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN
	AFI EP	Z 10 02 07		2					
	ES	Z 10 04 54		15					
	E(T)	NE 07 26							
		ZNE 18 13							
FEB 09	AFI EP	ZNE	11 53 53						
	S	ZNE	54 27						
	ET	ZNE	57 04						
FEB 10	AFI E(P)	ZN	20 24 07,6						
	E(P)	E	12						

	H M S	EPICENTRE	DEPTH	MAG					
FEB 10	22 58 09,8	22,7S 178,6E	673KM	6,0	S OF FIJI				
	SUV I,P	H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN
	ESCS	Z 21 59 38,0		5					
	RAD P	Z 22 11 31							
	ES	Z 22 59 58		7					
	SCS	Z 23 01 26							
	AFI IP	Z 11 30							
	IS	ZNE 23 00 45,0		13	-0,26				
	RAR P	ZNE 02 52,0							
	BSCP	ZNE 23 01 56		20		79 16		54 16	6,8
	SCS	ZE 08 18							
	EL	ZE 12 03							
	OBZ EP	ZNE 17 00							
	E(S)	Z 23 03 29		31					
	SBA P	Z 08 50							
	S	ZNE 23 06 42		55					
	SCS	ZNE 13 45							
	ISCP	NE 15 26,8D							
		Z 10 26,3U							
FEB 10	H M S	EPICENTRE	DEPTH	MAG					
	23 02 57,5	23,1S 178,8E	670KM	5,8	S OF FIJI				
	RAD EP	H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN
	ES	Z 23 04 50		7					
	AFI IP	Z 06 18							
	IS	ZNE 23 05 43,0		13					
	SBA P	ZNE 07 52,0							
		Z 23 11 34		55					
FEB 10	H M S	EPICENTRE	DEPTH	MAG					
	10 55 19,4	19,3S 177,6W	424KM	4,4	FIJI				
	AFI IP	H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN
	IS	ZNE 10 57 21,6D		8					
		ZNE 58 52,0							
FEB 11	H M S	EPICENTRE	DEPTH	MAG					
	16 05 02,1	17,9S 178,7W	621KM	4,0	FIJI				
	AFI EIP	H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN
	ES	ZNE 16 06 49		8					
		ZNE 08 18							
FEB 11	H M S	EPICENTRE	DEPTH	MAG					
	22 16 13,5	6,7S 126,0E	490KM	6,0	BANDA SEA				
	SUV EP	H M S	DIR	DIS	LG _W A/T	AZ	TZ	AN	TN
	ES	Z 22 24 38		52					
	RAD EP	Z 31 31							
	CBZ EP	Z 22 25 14		57					
	AFI EIP	Z 22 25 21		59					
	PP	ZNE 22 25 44		61					
	ES	ZE 27 23							
	I	ZNE 33 32							
	I(SCS)	ZNE 35 00,0							
	ISS	ZNE 36 00,0							
	ISSS	ZNE 38 00,0							
	EL	NE 39 52,0							
	EL	ZNE 42 20							
	RAR P	Z 45 00							
	E(*SP)	ZE 22 26 57		73					
	E(S)	ZE 29 12							
	SBA EP	NE 37 24							
	(S)	ZNE 22 27 03		74					
		ZNE 36 01							
FEB 11	AFI E(P)	Z	22 59 11						

ES		ZNE	21	09
FEB 18	H M S 20 43 13.6	EPICENTRE 17.9S 178.6W	DEPTH 569KM	MAG 5.2 FIJI
	AFI IP	ZNE 20 49 07.50	DIR DIS LG _W /T	AZ TZ AN TN AE TE MAG
	IS	ZNE 46 36.0		
	RAO EP	Z 20 45 44	11	
	ES	Z 47 47		
	RAR EP	Z 20 46 32	19	
FEB 18	AFI EP	ZNE 20 51 29		
	IS	ZNE 32 16.0		
FEB 19	H M S 03 21 39.3	EPICENTRE 22.6S 176.5W	DEPTH 162KM	MAG 4.8 S OF FIJI
	SUV P	Z 03 23 37	6	
	E	Z 28 10		
	RAO EP	Z 03 23 42	7	
	ES	Z 25 01		
	AFI IP	ZNE 03 24 10.00	10	
	IS	ZNE 25 41.0		
	RAR P	ZNE 03 25 32	16 =0.63	
	ES	ZNE 28 16		3.6
FEB 19	AFI EP	ZNE 09 36 46		
	IS	ZNE 37 18.0		
	ET	ZNE 39 46		
FEB 19	AFI EP	ZNE 12 39 23		
	S	ZNE 33		
FEB 20	H M S 02 59 14.0	EPICENTRE 20.1S 173.9W	DEPTH 33KM	MAG 5.3 TONGA
	AFI EP	ZNE 03 00 42	6	
	S	ZNE 01 51		
	S	ZNE 02 40		
	ET	ZNE 06 47		
	SUV EP	Z 03 01 10	7	
	RAO EP	Z 03 01 32	10	
	ES	Z 03 18		
	RAR EP	ZNE 03 02 08	13	
FEB 20	AFI E(P)	ZNE 04 40 10		
FEB 20	H M S 09 55 33.8	EPICENTRE 3.5N 128.2E	DEPTH 33KM	MAG 5.7 N OF HALMAHERA
	AFI EP	ZNE 10 05 56	62	
	ES	ZNE 14 18		
	ESS	ZNE 18 20		
	ESSS	ZNE 21 09		
	IL	V 24 02.0		
	L	Z 15		
	RAR ES	E 10 16 55	75	
	SBA P	ZNE 10 08 03	84	
	S	ZNE 18 30		
FEB 20	SUV P	Z 10 35 35		
	AFI IP	ZNE 10 36 09.0W		
	ES	ZNE 37 34		
	RAO E	Z 10 38 09		

FEB 20	H M S 10 30 22.1	EPICENTRE 3.5N 128.4E	DEPTH 77KM	MAG 6.0 N OF HALMAHERA
	AFI EP	ZNE 10 40 36	62	
	S	ZNE 49 04		
	E(SSS)	VE 56 12		
	L	ZNE 11 00 48		
	P	ZNE 10 42 46		84
FEB 20	H M S 13 02 04.1	EPICENTRE 19.9S 177.7W	DEPTH 579KM	MAG 5.0 FIJI
	SUV P	Z 13 03 28	4	
	AFI P	ZNE 13 04 02	5	
	IS	ZNE 05 35.0		
	RAO EP	Z 13 04 15	9	
	ES	Z 06 00		
FEB 20	AFI EP	ZNE 15 24 13		
	S	ZNE 25 03		
FEB 20	H M S 16 58 13.6	EPICENTRE 3.7N 128.2E	DEPTH 48KM	MAG 5.3 N OF HALMAHERA
	AFI EP	ZNE 17 08 39	62	
	ES	ZNE 17 24		
	ESSS	NE 24 16		
	EL	ZNE 26 56		
	SBA E(SSS)	NE 17 21 16		84
FEB 20	H M S 17 58 08.6	EPICENTRE 25.0S 178.2E	DEPTH 616KM	MAG 4.8 S OF FIJI
	RAO EP	Z 17 59 41	3	
	SUV EP	Z 17 59 32	7	
	AFI EP	Z 18 01 05	13	
	ES	VE 03 33		
FEB 20	AFI EP	Z 20 02 31.6		
	ES	NE 04 24		
FEB 21	AFI IP	ZNE 06 23 23.8W		
	IS	ZNE 44.0		
FEB 21	H M S 20 46 27.1	EPICENTRE 16.1S 173.0W	DEPTH 38KM	MAG 5.4 TONGA
	AFI IP	ZNE 20 47 00.20	2	
	S	ZNE 26		
	SUV EP	Z 20 48 40	3	
	RAR P	ZNE 20 49 30	14 =0.62	
	E(S)	VE 51 51		
FEB 22	H M S 12 14 37.9	EPICENTRE 22.4S 177.1W	DEPTH 239KM	MAG 4.4 S OF FIJI
	SUV EP	Z 12 16 27	5	
	RAO EP	Z 12 16 19	7	
	ES	Z 17 35		
	AFI EIP	ZNE 12 17 08	10	
	IS	ZNE 18 49.0		
FEB 22	H M S 18 11 01.2	EPICENTRE 24.8S 177.0W	DEPTH 138KM	MAG 5.0 S OF FIJI
	RAO EP	Z 18 12 11	5	
	ES	Z 13 10		

	H	M	S	EPICENTRE	DEPTH	MAG	
FEB 27	19	36	55.4	18.4S 175.3W	145KM	4.9	TONGA
				H M S	DIR DIS	LGWA/T	AZ TZ AN TN AE TE MAG
	AFI	EP		ZNE 19 38 13		6	
		IS		ZNE 39 10.0			
FEB 27	AFI	EP		ZNE 21 13 42			
		ES		ZNE 14 34			
FEB 28	02	40	32.5	36.0V 10.6W	22KM	7.3	N ATLANTIC OCEAN
				H M S	DIR DIS	LGWA/T	AZ TZ AN TN AE TE MAG
	SBA	EP		Z 02 57 10		138	
		PKP		Z 39 47			
		(PKS)		V 03 03 38		J	
		EPS		VE 13 15			
	RAR	E		ZNE 03 00 17		149	
		PKP		ZNE 20			
	AFI	IPKP		ZNE 03 00 22.3J		152	
	SUV	PKP		Z 03 00 32		160	
		PKS		Z 04 59			
		E		Z 10 39			
	CBZ	EPKP		Z 03 00 37		163	
		PKP2		Z 01 29			
		EPP		Z 05 18			
	RAQ	PKP		Z 03 00 40		167	
		EPP		Z 05 33			
FEB 28	04	25	38.9	36.2V 10.5W	33KM	5.7	N ATLANTIC OCEAN
				H M S	DIR DIS	LGWA/T	AZ TZ AN TN AE TE MAG
	RAR	EPKP		ZNE 04 45 25		149	
	AFI	EPKP		ZNE 04 45 26		152	
FEB 28	13	18	07.4	3.4S 119.0E	51KM	5.3	SULAWESI
				H M S	DIR DIS	LGWA/T	AZ TZ AN TN AE TE MAG
	SBA	E(S)		V 13 40 05		78	
FEB 28	16	48	53.2	16.8S 157.9E	48KM	4.9	NEW HEBRIDES
				H M S	DIR DIS	LGWA/T	AZ TZ AN TN AE TE MAG
	AFI	EP		ZNE 16 53 24		20 = 1.11	
FEB 28	AFI	EP		Z 18 38 37			
		ES		ZNE 40 22			
FEB 28	AFI	EP		ZNE 22 56 53			
		ES		ZNE 58 20			
MAR 01	AFI	E(P)		ZNE 06 05 38.3			
MAR 01	AFI	IP		ZNE 21 12 47.0J			
		IS		ZNE 13 02.0			
MAR 01	AFI	E(P)		ZNE 23 49 09			
		E(S)		ZNE 50 42			
MAR 02	13	56	05.0	25.1S 179.9E	448KM	4.6	S OF FIJI
				H M S	DIR DIS	LGWA/T	AZ TZ AN TN AE TE MAG
	AFI	IP		ZNE 13 59 05.0J		14	
		ES		ZNE 14 01 23			
	RAR	EP		Z 14 00 42		19	

	H	M	S	EPICENTRE	DEPTH	MAG	
MAR 03	00	59	10.5	40.1V 27.4E	4KM	5.6	TURKEY
				H M S	DIR DIS	LGWA/T	AZ TZ AN TN AE TE MAG
	AFI	EPKP		ZNE 01 18 58		149	
		IP		ZNE 07 15 26.0D			
		IS		ZNE 50.0			
MAR 03	13	12	44.8	16.7S 172.8W	94KM	4.6	SAMOA
				H M S	DIR DIS	LGWA/T	AZ TZ AN TN AE TE MAG
	AFI	IP		ZNE 13 13 22.0D		3	
		IS		ZNE 54.0			
		T		ZNE 16 23			
	RAR	EP		ZNE 13 15 37		13	
		ES		V 18 10			
		E(L)		ZE 23			
MAR 03	14	49	28.0	51.6V 159.3E	12KM	5.3	KAMCHATKA
				H M S	DIR DIS	LGWA/T	AZ TZ AN TN AE TE MAG
	AFI	ES		ZNE 13 10 00		70	
		EL		E 17 20			
		EL		ZN 21 08			
MAR 03	AFI	EP		ZNE 15 19 09			
		E(S)		ZNE 20 22			
MAR 03	16	30	13.8	16.9S 172.9W	33KM	5.1	SAMOA
				H M S	DIR DIS	LGWA/T	AZ TZ AN TN AE TE MAG
	AFI	EIP		ZNE 16 30 53		3	
		S		ZNE 31 25			
	RAR	EP		ZNE 16 33 09		13	
		ES		V 35 35			
		E(L)		E 53			
		ELR		ZNE 36			
MAR 04	06	23	22.8	23.8S 179.1E	534KM	4.7	S OF FIJI
				H M S	DIR DIS	LGWA/T	AZ TZ AN TN AE TE MAG
	RAQ	EP		Z 06 25 02		6	
	AFI	IP		ZNE 06 26 11.0D		13	
		ES		ZNE 28 26			
	RAR	P		Z 06 27 16.9		20	
MAR 04	AFI	EIP		ZNE 18 27 15			
		S		ZNE 29			
MAR 05	00	19	32.8	16.9S 173.7W	33KM	4.3	TONGA
				H M S	DIR DIS	LGWA/T	AZ TZ AN TN AE TE MAG
	AFI	EIP		ZNE 00 20 22		4	
		S		ZNE 58			
		T		ZNE 23 27			
	RAR	IP		ZNE 00 22 36.8D		14	
		ES		VE 24 57			
		ET		ZNE 35 57			
MAR 05	13	52	04.9	4.0V 128.8E	48KM	5.7	HALMAHERA
				H M S	DIR DIS	LGWA/T	AZ TZ AN TN AE TE MAG
	AFI	EP		ZNE 14 02 27		62	
		ES		ZNE 10 52			
		ESS		E 14 04			
		ESS		Z 32			
		E(L)		ZN 18 12			

	EL	ZE	21 24						
	RAR	EP	14 03 43	74					
	ES	E	13 17						
	EPS	E	14 13						
	EL	ZNE	30						
MAR 05	H M S	EPICENTRE	DEPTH	MAG					
	16 11 12,2	4,1N 128,4E	49KM	5,1	HALMAHERA				
	AFI ES	H M S	DIR DIS	LG _w /T	AZ TZ	AN TN	AE TE	MAG	
	E(L)	ZNE	16 30 00	62					
	EL	V	37 20						
		ZNE	40 00						
MAR 05	H M S	EPICENTRE	DEPTH	MAG					
	19 33 23,0	36,4N 70,7E	208KM	5,9	HINDU KJSH				
	AFI I(PKP)	H M S	DIR DIS	LG _w /T	AZ TZ	AN TN	AE TE	MAG	
	E	Z	19 31 50,2J	120					
	E	Z	35 06						
		ZE	20 04 16						
		ZNE	11 00						
MAR 06	AFI E	Z	01 35 24						
MAR 06	AFI IP	ZNE	04 14 44,3J						
	ES	ZNE	15 57						
MAR 06	AFI IP	ZNE	05 57 27,3						
	IS	ZNE	47,0						
MAR 06	AFI EP	ZNE	10 47 37						
	S	ZNE	48 08						
	ET	ZNE	50 35						
MAR 06	AFI EP	ZNE	17 47 37						
	S	ZNE	48 09						
	ET	ZNE	50 37						
MAR 07	H M S	EPICENTRE	DEPTH	MAG					
	01 44 26,7	17,8S 175,4W	284KM	4,5	TONGA				
	AFI IP	H M S	DIR DIS	LG _w /T	AZ TZ	AN TN	AE TE	MAG	
	IS	ZNE	01 45 42,9D	5 =0,41					
	RAR P	ZNE	46 39,0						
		ZNE	01 47 48,9D	15 =0,73				5,6	
MAR 07	AFI E(P)	ZNE	10 38 56						
	E(S)	ZNE	40 24						
MAR 07	AFI E(P)	ZNE	14 33 38						
	E(S)	ZNE	35 44						
MAR 07	AFI EP	ZNE	17 26 36						
	E(S)	ZNE	28 04						
MAR 07	AFI EP	ZNE	18 31 12						
	E(S)	ZNE	32 40						
MAR 08	AFI E(P)	ZNE	03 39 53						
	E(S)	ZNE	41 55						
MAR 08	H M S	EPICENTRE	DEPTH	MAG					
	10 20 09,3	41,3V 139,6E	199KM	5,7	HOKKAIDO				
	AFI EP	H M S	DIR DIS	LG _w /T	AZ TZ	AN TN	AE TE	MAG	
	RAR EP?	ZNE	10 31 10	71 =0,93				5,9	
		Z	10 32 21,5	84					

	H M S	EPICENTRE	DEPTH	MAG					
MAR 08	18 09 01,8	15,6S 173,7W	134KM	5,1	TONGA				
	AFI IP	H M S	DIR DIS	LG _w /T	AZ TZ	AN TN	AE TE	MAG	
	S	ZNE	18 09 34,8U	3					
	RAR EP	ZNE	10 02						
	ES	ZNE	18 12 12	14					
	ET	ZNE	14 45						
		ZNE	25 20						
MAR 09	H M S	EPICENTRE	DEPTH	MAG					
	12 30 25,7	20,2S 177,9W	520KM	4,3	FIJI				
	AFI EP	H M S	DIR DIS	LG _w /T	AZ TZ	AN TN	AE TE	MAG	
	IS	ZNE	12 32 30,6	9					
		ZNE	34 06,0						
MAR 09	H M S	EPICENTRE	DEPTH	MAG					
	13 06 26,7	1,5V 126,3E	38KM	5,2	MOLUCCAS				
	AFI EP	H M S	DIR DIS	LG _w /T	AZ TZ	AN TN	AE TE	MAG	
	SBA EP	Z	13 16 54	63					
		ZNE	13 18 48	82					
MAR 09	H M S	EPICENTRE	DEPTH	MAG					
	13 47 59,4	4,1S 135,5E	14KM	5,5	WEST IRIAN				
	AFI IP	H M S	DIR DIS	LG _w /T	AZ TZ	AN TN	AE TE	MAG	
	S	ZNE	13 57 17,0D	53					
	ESS	V	08 08						
	ISS	E	52,0						
	ILR	V	10 52,0						
	ILR	ZE	12 48,0						
	RAR EP	ZNE	13 58 45	65					
	ELO	VE	14 15 00						
	ELR	ZNE	20 30						
	SBA EP	ZNE	13 39 35	76					
	ES	ZNE	14 09 30						
	ESS	ZNE	14 30						
	ESSS	ZNE	18 05						
	ELO	ZNE	20 00						
	ELR	ZNE	23 40						
MAR 09	H M S	EPICENTRE	DEPTH	MAG					
	14 59 04,2	4,1S 135,6E	33KM	5,5	WEST IRIAN				
	AFI EP	H M S	DIR DIS	LG _w /T	AZ TZ	AN TN	AE TE	MAG	
	S	ZNE	14 48 19	53					
	ESS	VE	35 44						
	ELO	Z	39 56						
	ELR	V	15 02 44						
	SBA EP	ZE	04 00						
		ZNE	14 50 47,5	75					
MAR 09	H M S	EPICENTRE	DEPTH	MAG					
	15 33 55,1	4,2S 135,5E	33KM	4,8	WEST IRIAN				
	AFI EP	H M S	DIR DIS	LG _w /T	AZ TZ	AN TN	AE TE	MAG	
		Z	16 03 44	53					
MAR 09	H M S	EPICENTRE	DEPTH	MAG					
	16 00 13,8	4,2S 135,9E	33KM	4,8	WEST IRIAN				
	AFI EP	H M S	DIR DIS	LG _w /T	AZ TZ	AN TN	AE TE	MAG	
		ZNE	16 09 30	53					
MAR 10	AFI IP	ZNE	00 07 37,7D						
		ZNE	08 21,0						
MAR 10	H M S	EPICENTRE	DEPTH	MAG					
	06 54 17,6	5,6S 147,2E	206KM	5,8	NEW GUINEA				
	RAR EP	H M S	DIR DIS	LG _w /T	AZ TZ	AN TN	AE TE	MAG	
		Z	07 01 36	40					

	AFI	IP	ZNE 07 01 43.8U	41 =0.23	
		IS	ZNE 07 48.0		
		E(SS)	ZNE 10 52		6.2
	RAR	IP	ZNE 07 03 18.8J	54 =0.27	
		ES	NE 10 38		
	SBA	EP	ZNE 07 05 26.5	73	6.3
		ES	ZNE 14 42		
MAR 10	AFI	EP	ZNE 12 18 46		
		S	ZNE 19 19		
		T	ZNE 22 04		
MAR 10	AFI	EP	ZNE 14 55 21		
		S	ZNE 56 02		
		T	ZNE 58 40		
MAR 10	AFI	EP	ZNE 15 20 29		
		S	ZNE 49		
MAR 10	RAD	EP	Z 15 41 19		
	AFI	E(P)	ZNE 15 42 56		
		E(S)	ZNE 45 20		
MAR 11	AFI	IP	ZNE 05 59 00.5D		
		S	ZNE 20		
MAR 11	RAD	EP?	Z 19 11 47		
	AFI	E(P)	ZNE 19 12 31		
		E(S)	ZNE 13 54		
MAR 12	AFI	IP	ZNE 19 58 16.3J	-1.03	
		ES	ZNE 59 50		
MAR 13	H M S	EPICENTRE	DEPTH	MAG	
	03 25 31.8	21.45 171.1E	15KM	5.5	LOYALTY IS
		H M S	DIR DIS LG _A /T	AZ TZ	AN TN AE TE MAG
	AFI	EP	ZNE 03 29 39	18	
		ES	ZNE 33 00		
		E(SS)	Z 34 28		
		EL	ZNE 40 00		
	RAR	EP	ZNE 03 31 20	27	
	SBA	EP	ZNE 03 35 15	57	
MAR 13	AFI	EP	ZNE 09 06 59		
		ES	ZNE 08 40		
MAR 13	AFI	IP	ZNE 13 04 19.2J		
		IS	ZNE 05.5		
MAR 13	H M S	EPICENTRE	DEPTH	MAG	
	20 40 12.5	5.55 110.4E	502KM	5.2	JAVA
		H M S	DIR DIS LG _A /T	AZ TZ	AN TN AE TE MAG
	AFI	IP	ZNE 20 51 15.5U	77 =0.93	5.6
	SBA	EP	ZNE 20 51 18	75	
MAR 13	H M S	EPICENTRE	DEPTH	MAG	
	22 19 37.2	8.05 90.1W	38KM	5.4	N; PERU
		H M S	DIR DIS LG _A /T	AZ TZ	AN TN AE TE MAG
	AFI	IP	ZNE 22 32 36.1D	90 =0.76	6.6
MAR 14	H M S	EPICENTRE	DEPTH	MAG	
	13 58 22.3	28.55 176.7W	126KM	4.4	KERMADEC IS
		H M S	DIR DIS LG _A /T	AZ TZ	AN TN AE TE MAG
	RAD	P	Z 13 58 39	1	
MAR 14	AFI	EP	ZNE 18 46 50		
		E(S)	ZNE 48 38		

MAR 14	H M S	EPICENTRE	DEPTH	MAG	
	08 47 16.3	12.9N 86.8W	178KM	5.6	NICARAGUA
		H M S	DIR DIS LG _A /T	AZ TZ	AN TN AE TE MAG
	RAR	EP	Z 08 59 04	79	
	AFI	EP	ZNE 08 59 50.5	88	
		ES	Z 09 10 20		
		E	Z 11 26		
MAR 15	H M S	EPICENTRE	DEPTH	MAG	
	11 44 42.3	2.8S 126.9E	33KM	5.6	CERAM SEA
		H M S	DIR DIS LG _A /T	AZ TZ	AN TN AE TE MAG
	AFI	EP	ZNE 11 55 01	62	
	RAR	EP	ZNE 11 56 16	74	
	SBA	EP	ZNE 11 56 37.5	75	
MAR 15	H M S	EPICENTRE	DEPTH	MAG	
	14 58 06.0	49.5S 125.0E	33KM	5.0	S; OF AUSTRALIA
		H M S	DIR DIS LG _A /T	AZ TZ	AN TN AE TE MAG
	SBA	EP	ZNE 15 04 37	32	
MAR 15	AFI	IP	ZNE 18 42 35.5D		
		S	ZNE 43 17		
MAR 15	H M S	EPICENTRE	DEPTH	MAG	
	15 54 17.2	38.5N 142.7E	40KM	5.4	HONSHU
		H M S	DIR DIS LG _A /T	AZ TZ	AN TN AE TE MAG
	AFI	EP	ZNE 16 05 09	67	
MAR 15	H M S	EPICENTRE	DEPTH	MAG	
	15 37 39.7	38.5N 142.6E	46KM	5.1	HONSHU
		H M S	DIR DIS LG _A /T	AZ TZ	AN TN AE TE MAG
	AFI	ES	E 16 17 12	67	
		ESS	E 21 40		
		EL	ZNE 26 35		
MAR 17	H M S	EPICENTRE	DEPTH	MAG	
	00 56 06.2	17.7S 179.9E	614KM	5.4	FIJI
		H M S	DIR DIS LG _A /T	AZ TZ	AN TN AE TE MAG
	AFI	IP	ZNE 00 58 12.0D	9 =0.27	
		S	ZNE 59 57		
	RAD	EP	Z 00 58 40	12	
		ES	Z 01 00 46		
	RAR	IP	ZNE 00 59 55.9U	19	
	SBA	IP	ZNE 01 05 21.0	61	
MAR 17	H M S	EPICENTRE	DEPTH	MAG	
	01 01 59.6	17.8S 180.0E	625KM	4.9	FIJI
		H M S	DIR DIS LG _A /T	AZ TZ	AN TN AE TE MAG
	AFI	P	ZNE 01 04 00	9	
	RAD	EP	Z 01 04 28	12	
MAR 17	H M S	EPICENTRE	DEPTH	MAG	
	01 30 07.3	17.6S 179.8E	615KM	4.8	FIJI
		H M S	DIR DIS LG _A /T	AZ TZ	AN TN AE TE MAG
	AFI	IP	ZNE 01 32 13.0J	9	
		ES	N 33 56		
	RAD	EP	Z 01 32 40	12	
	SBA	EP	ZNE 01 39 21.5	61	
MAR 17	AFI	IP	ZNE 21 39 54.9D		
		IS	ZNE 40 08.0		
MAR 18	AFI	IP	ZNE 01 47 17.0J		
		IS	ZNE 37.0		

H	M	S	EPICENTRE	DEPTH	MAG	LOCATION
MAR 18	03	32	21.4S 170.9E	33KM		LOYALTY IS
			H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	EP	ZNE 03 36 56		15	
		S	ZNE 40 12			
	RAR	EP	ZNE 03 38 28		27	
	SBA	EP	ZNE 03 42 32		57	
MAR 18	AFI	IP	ZNE 03 41 00.1U			
		IS	ZNE 21.0			
MAR 18	03	41	15.2S 173.9W	39KM	5.1	TONGA
			H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	IP	ZNE 03 41 54.0U		2	
		S	ZNE 42 11			
	RAR	EP	ZNE 03 44 42		14	
		ES	NE 47 19			
		ET	ZNE 57 30			
MAR 18	AFI	IP	ZNE 09 32 22.9U			
		IS	ZNE 56.0			
MAR 18	22	35	24.0S 176.0W	68KM	5.4	S; OF FIJI
			H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	RAD	EP	Z 22 36 48		6	
		ES	Z 37 49			
	AFI	EP	ZNE 22 37 52		11	
		S	ZNE 39 44			
		ET	ZNE 46 15			
	RAR	P	ZNE 22 38 48.9		15 =0.37	
		ES	ZNE 41 19			5.7
		ELQ	NE 42 40			
		ELR	ZNE 43 00			
		ET	ZNE 33 44			
	SBA	EP	ZNE 22 44 55		55	
MAR 18	AFI	EP	ZNE 23 38 04			
		(S)	ZNE 39 55			
MAR 19	AFI	IP	Z 05 48 56.2U			
		E(S)	ZNE 50 25			
MAR 19	13	59	28.8V 128.2E	136KM	5.8	RYUKYU IS
			H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	IP	ZNE 14 10 32.3U		72 =0.68	
	RAR	P	ZNE 14 11 46		85	6.2
MAR 19	15	35	5.8S 121.9E	636KM	5.4	SULAWESI
			H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	EP	ZNE 15 45 42		66	
	SBA	EP	ZNE 15 46 37		76	
MAR 20	08	17	31.3N 114.3W	20KM	5.4	BAJA CALIFORNIA
			H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	ES	ZNE 08 38 52		71	
		E(SSS)	NE 47 28			
		EL	ZNE 49 56			
MAR 20	16	18	8.7N 127.3E	33KM	6.1	PHILIPPINES
			H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	IP	ZNE 16 29 33.0D		64 =0.92	6.6

	ES	ZNE	37 51			
	ES	ZN	42 39			
	SSS	NE	45 32			
		ZE	49 00			
	EL	ZNE	16 30 50.0		77	
	RAR	IP	V 40 40			
		ES	48			
	ESKS	ZE	16 31 51.0		89	
	SBA	IP				
	H M S	EPICENTRE	DEPTH	MAG		
MAR 21	02	39	6.1S 147.7E	90KM	5.4	NEW GUINEA
			H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	IP	ZNE 02 46 48.0D		41 =0.93	5.9
MAR 21	04	36	31.2V 114.2W	33KM	5.4	BAJA CALIFORNIA
			H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	S	NE 05 17 00		71	
		EL	ZNE 28 28			
MAR 21	06	34	31.1V 114.3W	4KM	5.9	BAJA CALIFORNIA
			H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	S	NE 06 35 40		71	
		EL	ZNE 07 06 36			
MAR 21	10	23	8.5N 127.3E	33KM	5.2	PHILIPPINES
			H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	E(S)	ZNE 10 42 24		64	
MAR 21	AFI	IP	ZNE 19 13 17.0U			
		S	ZNE 36			
MAR 22	01	50	18.0S 174.1W	95KM	4.7	TONGA
			H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	EIP	ZNE 01 51 54		5	
		S	ZNE 52 41			
		T	ZNE 55 34			
	RAR	P	ZNE 01 53 59.9		14	
		ES	ZNE 56 29			
MAR 22	05	43	15.5S 176.1W	33KM	5.4	FIJI
			H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	IP	ZNE 05 44 57.0		4 =0.45	
		IS	ZNE 45 52.0			
	RAR	EP	ZNE 05 47 40		17	
		E(PPP)	Z 54			
		ES	NE 50 46			
		EL	ZNE 31			
	SBA	EP	ZNE 05 54 24		63	
MAR 22	12	13	15.1S 173.9W	46KM	4.6	TONGA
			H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	IP	ZNE 12 13 46.2U		2	
		S	ZNE 14 06			
	RAR	EP	ZNE 12 16 35		15	
		ET	ZNE 30 44			
MAR 22	13	31	16.5S 177.6W	33KM	5.0	FIJI
			H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	IP	ZNE 13 32 31.2D		6 =1.11	
		IS	ZNE 33 40.0			
	RAR	EP	ZNE 13 35 09		18	

	ES ELR	NE ZNE	39 09	37					
MAR 22	H M S 15 24 14.5	EPICENTRE 15,3S 176,3W	DEPTH 33KM	MAG 4,9	FIJI				
	AFI EIP IS ET	H M S ZNE 19 25 15 ZNE 26 04,0 ZNE 29 09	DIR DIS 5	LG _w A/T	AZ TZ	AN TN	AE TE	MAG	
APR 22	AFI IP ES	ZNE 16 42 03,0J ZNE 24		-0,47					
MAR 23	H M S 02 07 52,6	EPICENTRE 24,8S 179,8E	DEPTH 50KM	MAG 5,1	S; OF FIJI				
	AFI EP ES RAR EP	H M S ZNE 02 10 40 ZNE 12 54 Z 02 11 39	DIR DIS 13	LG _w A/T	AZ TZ	AN TN	AE TE	MAG	
MAR 23	H M S 21 08 42,6	EPICENTRE 39,2N 28,5E	DEPTH 12KM	MAG 5,6	TURKEY				
	SBA EPKP AFI IPKP	H M S ZNE 21 28 09 ZNE 21 28 33,1J	DIR DIS 138	LG _w A/T	AZ TZ	AN TN	AE TE	MAG	
FEB 24	H M S 00 54 17,5	EPICENTRE 19,4S 175,7W	DEPTH 205KM	MAG 4,7	TONGA				
	AFI EP IS ET RAR EP ES	H M S ZNE 00 55 48 ZNE 06 54,0 ZNE 01 00 45 ZNE 00 57 37 ZNE 01 00 17	DIR DIS 7	LG _w A/T	AZ TZ	AN TN	AE TE	MAG	
MAR 24	H M S 01 59 30,6	EPICENTRE 39,1N 28,5E	DEPTH 6KM	MAG 5,0	TURKEY				
	AFI EPKP	Z 02 19 22	149						
MAR 24	AFI IP IS I(T)	ZNE 07 51 06,0J ZNE 39,0 ZNE 54 10,0		-1,07					
MAR 24	AFI EP S T	ZNE 08 10 37 ZNE 11 21 ZNE 13 38							
MAR 24	AFI EP E(S)	ZNE 12 57 27 NE 59 17							
MAR 25	H M S 07 09 23,3	EPICENTRE 30,2S 177,3W	DEPTH 40KM	MAG 4,6	KERMADEC IS				
	RAD P	H M S Z 07 09 42	DIR DIS 1	LG _w A/T	AZ TZ	AN TN	AE TE	MAG	
MAR 25	AFI EP E(S)	ZNE 10 23 00 ZNE 24 10							
MAR 25	H M S 13 13 01,4	EPICENTRE 23,5S 177,8W	DEPTH 291KM	MAG 5,4	S; OF FIJI				
	RAD EP AFI IP S RAR EP ES ET	H M S Z 13 14 22 ZNE 13 15 25,5J ZNE 17 17 ZNE 13 16 37,9 ZNE 19 51 ZNE 31 17	DIR DIS 6 11	LG _w A/T	AZ TZ	AN TN	AE TE	MAG	5,9

	SBA EP	ZNE 13 22 05	55						
MAR 25	H M S 13 21 32,4	EPICENTRE 39,2N 28,4E	DEPTH 23KM	MAG 5,6	TURKEY				
	SBA EPKP AFI IPKP	H M S ZNE 13 40 51 ZNE 13 41 21,0D	DIR DIS 138	LG _w A/T	AZ TZ	AN TN	AE TE	MAG	
MAR 25	H M S 14 18 30,8	EPICENTRE 39,2N 28,4E	DEPTH 23KM	MAG 4,9	TURKEY				
	AFI EPKP	H M S ZNE 14 38 39	DIR DIS 149	LG _w A/T	AZ TZ	AN TN	AE TE	MAG	
MAR 25	AFI IP	Z 18 41 29,0							
MAR 26	AFI IP ES	ZNE 09 10 43,2D ZNE 12 15							
MAR 26	H M S 09 24 19,8	EPICENTRE 24,6S 176,2W	DEPTH 50KM	MAG 5,1	S; OF FIJI				
	RAD EP AFI EP S RAR EP ES	H M S Z 09 25 35 ZNE 09 26 50 ZNE 28 47 ZNE 09 27 42 ZNE 30 15	DIR DIS 5	LG _w A/T	AZ TZ	AN TN	AE TE	MAG	5,4
MAR 26	H M S 17 30 11,4	EPICENTRE 33,1S 178,9W	DEPTH 47KM	MAG 4,8	S; OF KERMADEC IS				
	RAD EP RAR IP NE ES SBA EP	H M S Z 17 31 07 ZNE 17 35 04,8D NE 38 25 ZNE 29 ZNE 17 38 30	DIR DIS 4	LG _w A/T	AZ TZ	AN TN	AE TE	MAG	
MAR 26	AFI IP S	ZNE 19 59 34,0J ZNE 53							
MAR 27	AFI IP S	ZNE 00 54 17,2J ZNE 57							
MAR 27	H M S 04 46 26,1	EPICENTRE 3,9N 128,5E	DEPTH 33KM	MAG 5,7	HALMAHERA				
	AFI EP ES E(L) EL SBA EP ES	H M S Z 04 56 53 ZNE 05 05 12 V 12 24 ZN 15 12 ZNE 04 59 03 ZNE 09 09 21	DIR DIS 62	LG _w A/T	AZ TZ	AN TN	AE TE	MAG	
MAR 27	H M S 12 41 35,9	EPICENTRE 4,8N 127,5E	DEPTH 32KM	MAG 6,1	S; OF MINDANAO				
	AFI EP S ISS ISS LQ LR CBZ E RAR EP E+PP EPP ES E(LQ) ELR	H M S ZNE 12 52 05 ZNE 13 00 32 Z 04 32,0 ZE 07 40,0 V 08 12,0 ZE 11 12 Z 12 52 44 ZNE 12 53 33 Z 44 E 56 39 ZNE 13 03 01 E 14 39 ZNE 18	DIR DIS 63	LG _w A/T	AZ TZ	AN TN	AE TE	MAG	

	SBA	EP	ZNE	12 54 11	85															
		ES	ZNE	13 04 30																
		ESS	ZNE	10 20																
		EL	ZNE	16 30																
MAR 27	AFI	E(P)	ZNE	20 19 22																
		ES	ZNE	20 54																
MAR 28		H M S	EPICENTRE	21,8S 169,8E	DEPTH	33KM	MAG	4,9	LOYALTY IS											
		H M S	DIR DIS LG _W A/T	96	AZ	TZ	AN	TN	AE	TE	MAG									
	SBA	EP	ZNE	01 29 22																
MAR 28		H M S	EPICENTRE	38,6V 28,4E	DEPTH	9KM	MAG	6,0	TURKEY											
		H M S	DIR DIS LG _W A/T	137	AZ	TZ	AN	TN	AE	TE	MAG									
	SBA	EPKP	ZNE	02 07 57																
		EPP	ZNE	10 43																
		ESKS	ZNE	11 24																
		ESS	ZNE	28 50																
		ESSS	ZNE	33 34																
		EL	ZNE	44 30																
	AFI	EIPKP	ZNE	02 08 23							150									
		EPP	Z	12 00																
		E(PPP)	Z	22 24																
		ESSP	ZNE	31 16																
		ESSS	Z	36 00																
		ESSS	N	20																
	CBZ	EPKP	Z	02 08 24							150									
MAR 29		H M S	EPICENTRE	3,2S 119,3E	DEPTH	40KM	MAG	5,9	SULAWESI											
		H M S	DIR DIS LG _W A/T	69	AZ	TZ	AN	TN	AE	TE	MAG									
	AFI	EP	Z	06 20 03																
MAR 29		H M S	EPICENTRE	12,0N 41,2E	DEPTH	33KM	MAG	5,8	ETHIOPIA											
		H M S	DIR DIS LG _W A/T	148	AZ	TZ	AN	TN	AE	TE	MAG									
	AFI	EPKP	ZNE	09 35 38																
MAR 29		H M S	EPICENTRE	12,0N 41,3E	DEPTH	4KM	MAG	5,6	ETHIOPIA											
		H M S	DIR DIS LG _W A/T	148	AZ	TZ	AN	TN	AE	TE	MAG									
	AFI	EPKP	ZNE	11 24 38																
MAR 29		H M S	EPICENTRE	12,0N 41,2E	DEPTH	33KM	MAG	5,3	ETHIOPIA											
		H M S	DIR DIS LG _W A/T	148	AZ	TZ	AN	TN	AE	TE	MAG									
	AFI	EPKP	ZNE	11 27 17																
MAR 29		H M S	EPICENTRE	20,9S 174,1W	DEPTH	35KM	MAG	4,5	TONGA											
		H M S	DIR DIS LG _W A/T	7	AZ	TZ	AN	TN	AE	TE	MAG									
	AFI	EP	ZNE	12 35 42																
		S	ZNE	36 55																
		ET	ZNE	42 05																
	RAR	EP	ZNE	12 37 01							13									
		ES	ZNE	39 14																
		EL	ZNE	40 12																
MAR 29	AFI	E(P)	ZNE	23 42 46																
		E(S)	ZNE	44 54																
MAR 30	AFI	EIP	ZE	02 52 11							30,0									
		IS	ZE	30,0																
MAR 30	RAD	EP?	Z	05 15 39																

	H	M	S	EPICENTRE	DEPTH	MAG														
MAR 30	07	55	07,5	4,4V 128,0E	33KM	5,4	HALMAHERA													
		H M S	DIR DIS LG _W A/T	62	AZ	TZ	AN	TN	AE	TE	MAG									
	AFI	EP	ZE	08 05 32																
	SBA	EP	ZNE	08 07 41							85									
MAR 31		H M S	EPICENTRE	27,7N 34,0E	DEPTH	33KM	MAG	6,0	RED SEA											
		H M S	DIR DIS LG _W A/T	125	AZ	TZ	AN	TN	AE	TE	MAG									
	SBA	EPKP	ZNE	07 34 51																
		EPP	ZNE	36 40																
		EPKS	ZNE	38 08																
		ESS	ZNE	53 43																
		ESSS	ZNE	58 20																
		EL	ZNE	08 08 10																
	AFI	IPKP	ZNE	07 35 44,0							152									
		EPP	Z	39 32																
		E(SKS)	ZE	52 32																
		ESS	ZE	59 24																
		ESSS	Z	08 05 12																
		E	ZNE	09 20																
	RAR	E(PKP)	ZE	07 37 03							166									
		E(PPS)	VE	54 33																
		ESS	VE	08 01 58																
MAR 31		H M S	EPICENTRE	38,3V 134,6E	DEPTH	417KM	MAG	5,9	SEA OF JAPAN											
		H M S	DIR DIS LG _W A/T	72	AZ	TZ	AN	TN	AE	TE	MAG									
	AFI	IP	ZNE	19 36 14,7J																
		E(PCP)	Z	37 44																
		S	ZNE	45 00																
		I	VE	47 48,0																
		EL	ZNE	55 04																
	SBA	EPKP	ZNE	19 43 25							118									
		IPKP	ZNE	28,5																
		EPP	ZNE	44 46,5																
		ESKS	ZNE	49 49																
		ESP	ZNE	54 00																
		ESS	ZNE	20 00 31																
MAR 01		H M S	EPICENTRE	29,2S 179,7E	DEPTH	590KM	MAG	4,2	S OF FIJI											
		H M S	DIR DIS LG _W A/T	5	AZ	TZ	AN	TN	AE	TE	MAG									
	RAD	P	Z	00 03 46																
	AFI	IP	ZNE	00 05 19,0J							14									
		ES	ZNE	07 31																
MAR 02		H M S	EPICENTRE	8,0S 110,4E	DEPTH	105KM	MAG	5,6	JAVA											
		H M S	DIR DIS LG _W A/T	75	AZ	TZ	AN	TN	AE	TE	MAG									
	SBA	EP	ZNE	07 35 41																
MAR 02		H M S																		

	EL	ZN	13 24	
	SBA EPKP	ZN	09 04 23,3	129
APR 04	AFI EP	ZNE	14 55 05	
APR 04	H M S	EPICENTRE	DEPTH 440	
	16 16 17,2	24,4V 109,8W	31KM 5,6	GULF OF CALIFORNIA
	AFI E(P)	Z	16 27 36	71
	ES	ZNE	37 36	
	EL	ZNE	48 32	
APR 04	AFI EP	ZNE	21 27 47	
	S	ZNE	29 17	
APR 05	AFI IP	ZNE	01 40 50,2J	
	IS	ZNE	41 10,0	
APR 05	H M S	EPICENTRE	DEPTH 440	
	02 18 29,9	12,2V 41,2E	17KM 5,2	ETHIOPIA
	SBA EPP	ZNE	02 37 29	109
	ES	ZNE	47 05	
	ESB	ZNE	52 50	
	ELQ	ZNE	03 04 00	
	ELR	ZNE	09 20	
	AFI EPKP	Z	02 38 20	148
APR 05	H M S	EPICENTRE	DEPTH 440	
	03 44 36,7	3,4V 129,4E	190KM 5,4	TALAUD IS
	AFI EP	ZNE	03 55 01	65
	RAR EP	ZN	03 55 02	77
APR 05	H M S	EPICENTRE	DEPTH 440	
	04 04 10,8	3,4V 128,2E	95KM 5,3	HALMAHERA
	SBA EP	ZNE	04 16 38	84
APR 05	H M S	EPICENTRE	DEPTH 440	
	06 53 39,2	54,7S 143,8E	33KM 5,2	W OF MACQUARIE IS
	SBA EP	ZNE	06 59 02	25
	ES	ZNE	07 02 40	
	ELQ	ZNE	03 44	
	ELR	ZNE	04 42	
	AFI ES	ZNE	07 10 40	53
	ELQ	E	16 40	
	ELR	ZN	18 20	
APR 05	AFI E(P)	Z	17 16 45	
APR 05	H M S	EPICENTRE	DEPTH 440	
	23 26 11,5	1,2V 85,2W	31KM 5,8	OFF EQUADOR
	RAR ES	ZNE	23 47 50	76
	EL	Z	24 01 16	
	AFI EP	Z	23 39 09	87
	ES	ZNE	49 52	
	ESS	ZNE	55 36	
	ESSS	V	59 08	
	EL	V	24 02 12	
	EL	ZE	06 12	
APR 06	AFI IP	ZNE	01 06 07,6U	
	IS	ZNE	42,0	

	H M S	EPICENTRE	DEPTH 440	
APR 06	03 49 33,5	38,5V 26,4E	14KM 5,5	AEGEAN SEA
	AFI IPKP	ZNE	04 09 28,0J	151
APR 06	AFI IP	ZNE	16 05 18,00	
	S	ZNE	36	
APR 06	H M S	EPICENTRE	DEPTH 440	
	16 31 49,5	12,0V 41,1E	20KM 5,2	ETHIOPIA
	AFI EPKP	ZE	17 11 32	148
APR 06	AFI IP	ZNE	20 09 34,3J	
	IS	ZNE	10 12,0	
APR 06	H M S	EPICENTRE	DEPTH 440	
	20 08 32,4	56,3S 26,9W	93KM 5,8	SOUTH SANDWICH IS
	SBA EP	ZNE	20 16 47	46
APR 06	H M S	EPICENTRE	DEPTH 440	
	23 19 46,2	20,9S 178,8W	505KM 4,8	FIJI
	AFI EIP	ZNE	23 22 00	9
	EIS	ZNE	23 43	
	RAR P	ZE	23 23 23,3	17
	SBA EP	ZNE	23 28 49	57
APR 07	AFI EP	ZNE	03 53 58	
	E(S)	VE	55 54	
	RAR EP	ZNE	03 54 49	
APR 07	H M S	EPICENTRE	DEPTH 440	
	05 10 40,3	16,2S 177,8E	62KM 5,0	FIJI
	AFI EP	ZNE	05 13 02	10
	RAR EP	Z	05 15 30	22
	SBA EP	ZNE	05 20 55	62
APR 07	AFI EP	ZNE	08 35 37	
	ES	ZNE	37 15	
APR 07	AFI E(P)	Z	15 44 20	
APR 07	H M S	EPICENTRE	DEPTH 440	
	20 26 29,9	76,5V 130,8E	33KM 5,3	ARCTIC OCEAN
	SBA EPKP	ZNE	20 46 30	155
APR 08	AFI EIP	ZNE	00 19 35,2	
	IS	ZNE	20 10,0	
APR 08	H M S	EPICENTRE	DEPTH 440	
	02 13 58,7	11,9V 41,4E	34KM 4,8	ETHIOPIA
	AFI EPKP	Z	02 33 46	145
APR 08	H M S	EPICENTRE	DEPTH 440	
	10 21 52,3	1,4V 126,3E	89KM 5,3	MOLUCCAS
	SBA EP	ZNE	10 34 08	82
APR 08	H M S	EPICENTRE	DEPTH 440	
	10 31 52,2	27,5V 33,7E	15KM 5,2	UNITED ARAB REPUBLIC
	AFI EPKP	ZNE	10 31 53	153

APR 08	AFI E(P) ES	ZNE 20 36 26 ZNE 57 38	
APR 09	H M S 11 43 47,6	EPICENTRE DEPTH MAG 49,1S 30,8E 23KM 5,8 S. OF AFRICA	
	SBA EP	H M S DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG ZNE 11 52 46 D 50 =0,81 6,2	
APR 09	AFI I(P)	Z 12 08 35,0U	
APR 09	H M S 12 57 24,8	EPICENTRE DEPTH MAG 36,8N 139,6E 116KM 5,9 HONSHU JAPAN	
	AFI IP	H M S DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG ZNE 13 08 19,0 68	
APR 09	H M S 15 02 19,7	EPICENTRE DEPTH MAG 21,5S 179,2W 691KM 4,3 FIJI	
	AFI E(P) ES	H M S DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG ZNE 15 04 10 10 ZNE 06 18	
APR 09	AFI E(P)	ZNE 23 38 24	
APR 10	AFI EIP ES	ZNE 13 00 48 ZNE 02 07	
APR 10	AFI EP	Z 15 04 59	
APR 10	AFI IP S	ZNE 19 32 15,0U ZNE 33 00	
APR 11	SBA EP EL RAR (P)	ZNE 05 48 51,5 ZNE 52 40 ZN 05 50 34,8	
APR 11	AFI EP ES	ZNE 07 32 38 ZNE 34 33	
APR 11	H M S 09 44 39,6	EPICENTRE DEPTH MAG 29,5S 176,8W 44KM 4,8 KERMADEC IS	
	RAO P AFI EP ES ET SBA EP	H M S DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG Z 09 44 53 1 ZNE 09 48 10 16 ZNE 50 49 ZNE 10 02 49 ZNE 09 53 23 49	
APR 11	AFI EP S	ZNE 13 59 00 ZNE 14 00 07	
APR 11	AFI IP S	ZNE 15 36 14,2J ZNE 35	
APR 11	H M S 19 26 48,2	EPICENTRE DEPTH MAG 29,5S 176,8W 43KM 4,7 KERMADEC IS	
	RAO P AFI EP ES E(T)	H M S DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG Z 19 27 06 1 Z 19 30 38 16 VE 33 19 ZNE 46 33	
APR 12	AFI EP IS	ZNE 04 03 12 ZNE 53,0	
APR 12	AFI E(P) E(S)	ZNE 15 01 26 ZNE 03 29	

APR 13	H M S 07 14 26,4	EPICENTRE DEPTH MAG 17,4S 179,3W 616KM 4,3 FIJI	
	AFI EIP ES	H M S DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG ZNE 07 16 15 8 ZNE 17 49	
APR 13	H M S 07 33 49,4	EPICENTRE DEPTH MAG 20,9S 178,8W 579KM 4,3 FIJI	
	AFI EP ES	H M S DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG ZNE 07 35 57 10 ZNE 38 41	
APR 13	H M S 13 06 30,8	EPICENTRE DEPTH MAG 17,7S 173,1W 33KM 4,7 TONGA	
	AFI EP S T	H M S DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG ZNE 13 07 47 4 ZNE 08 30 ZNE 12 01	
APR 13	H M S 23 33 15,4	EPICENTRE DEPTH MAG 6,1S 129,9E 132KM 5,9 BANDA SEA	
	AFI IP IPCP S SS SSS SSS EL SBA ES	H M S DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG ZNE 23 42 34,7J 98 Z 43 41,0 E 30 37 ZN 35 00 N 37 32 E 38 08 ZE 24 00 20 ZNE 23 33 00 74	
APR 14	H M S 07 00 01,7	EPICENTRE DEPTH MAG 5,2S 104,3E 102KM 5,7 S SUMATRA	
	SBA IP AFI IP	H M S DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG ZNE 07 11 58,5 79 ZNE 07 12 19,5J 83	
APR 14	AFI IP IS	ZNE 20 39 51,0U ZNE 40 11,0	
APR 15	RAO P	Z 11 24 31	
APR 15	H M S 17 30 55,8	EPICENTRE DEPTH MAG 39,8N 143,4E 20KM 5,3 OFF E HONSHU JAPAN	
	AFI ES EL	H M S DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG N 17 51 00 65 ZN 18 01 28	
APR 15	H M S 22 15 09,6	EPICENTRE DEPTH MAG 5,9S 113,2E 575KM 5,6 JAVA SEA	
	AFI EIP SBA EP EAPP	H M S DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG ZNE 22 25 31 74 ZNE 22 26 04 77 ZNE 28 12	
APR 16	H M S 01 22 47,5	EPICENTRE DEPTH MAG 3,5S 151,0E 39KM 5,7 NEW IRELAND	
	AFI EP PP S SS IL RAR EP S ESS BLQ	H M S DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG ZE 01 29 24 35 ZNE 31 32 ZNE 35 56 VE 38 52 ZE 40 30,0 Z 01 31 52 51 ZNE 39 09 ZNE 42 39 VE 44 34	

	ELR	ZE	47 02	
SBA	EP	ZNE 01	34 28	75
	ES	ZNE	44 10	
	ESS	ZNE	48 40	
	ELQ	ZNE	53 42	
	ELR	ZNE	58 00	
APR 16	H M S	EPICENTRE	DEPTH	MAG
	12 19 40.1	13.65 166.9E	133KM	5.7 NEW HEBRIDES
		H M S	DIR DIS	LG _A /T AZ TZ AN TN AE TE MAG
RAR	EP	ZNE 12 26	00.2	33
SBA	EP	ZNE 12 30	01	J 64 =0.71
	ES	ZNE	38 34	6.3
APR 16	H M S	EPICENTRE	DEPTH	MAG
	12 20 08.8	13.58 166.3E	137KM	5.6 NEW HEBRIDES
		H M S	DIR DIS	LG _A /T AZ TZ AN TN AE TE MAG
AFI	EP	ZNE 12 24	10	21 =0.23
	E	ZNE	48	
	ES	ZNE	27 56	
SBA	EP	ZNE 12 30	33	64
	ES	ZNE	39 40	
APR 16	AFI	EP	ZNE 19 22	57
	S	ZNE	24 10	
	ET	ZNE	29 54	
RAR	EP	Z	15 24 15.2	
APR 16	H M S	EPICENTRE	DEPTH	MAG
	22 55 37.2	35.3V 27.9E	25KM	5.2 DODECANESE IS
		H M S	DIR DIS	LG _A /T AZ TZ AN TN AE TE MAG
AFI	EPKP	Z	23 15 35	152
APR 16	H M S	EPICENTRE	DEPTH	MAG
	23 21 04.9	35.3V 27.8E	45KM	5.2 DODECANESE IS
		H M S	DIR DIS	LG _A /T AZ TZ AN TN AE TE MAG
AFI	EPKP	Z	23 41 01	152
APR 17	CBZ	EP	Z	02 24 44
	ES	Z	26 02	
APR 18	AFI	EIP	ZNE 05 44	07
	ES	ZNE	45 39	
APR 18	H M S	EPICENTRE	DEPTH	MAG
	12 32 03.4	4.5S 132.7E	33KM	5.5 W NEW GUINEA
		H M S	DIR DIS	LG _A /T AZ TZ AN TN AE TE MAG
AFI	EP	ZNE 12 41	37	55 =1.41
RAR	EP	ZNE 12 43	37.3	67
SBA	EP	ZNE 12 43	46.5	75
APR 19	H M S	EPICENTRE	DEPTH	MAG
	06 08 02.6	17.7S 178.7W	605KM	4.7 FIJI
		H M S	DIR DIS	LG _A /T AZ TZ AN TN AE TE MAG
AFI	IP	Z	06 09 56.4J	8
	S	ZNE	11 28	
APR 19	H M S	EPICENTRE	DEPTH	MAG
	08 45 16.0	6.2S 103.9E	40KM	5.7 SW OF SUMATRA
		H M S	DIR DIS	LG _A /T AZ TZ AN TN AE TE MAG
SBA	EP	ZNE 08 57	14.9	75
	ES	ZNE 09 07	10	
AFI	EIP	ZNE 08 57	41	83
APR 19	AFI	IP	ZNE 13 59	21.9U
	S	ZNE	99	
	T	ZNE 14 02	28	
RAR	EP	Z	14 01 33	

	H M S	EPICENTRE	DEPTH	MAG
APR 20	20 25 18.2	24.5S 179.9W	374KM	4.5 S OF FIJI
		H M S	DIR DIS	LG _A /T AZ TZ AN TN AE TE MAG
		Z	20 26 57	5
		ZNE 20	28 17	13
		ZNE	30 32	
APR 21	AFI	IP	ZNE 00 22	39.0J
	IS	ZNE	96.0	
APR 21	H M S	EPICENTRE	DEPTH	MAG
	02 19 07.1	14.1V 91.0W	82KM	3.5 QUATEMALA
		H M S	DIR DIS	LG _A /T AZ TZ AN TN AE TE MAG
AFI	EP	ZNE 02 31	36	85
	ES	ZNE	43 12	
	EL	ZNE	57 16	
SBA	ESKS	ZNE 02 44	20	106
	EPS	ZNE	46 53	
	ESS	ZNE	53 00	
	ELR	ZNE 03 09	00	
APR 21	AFI	EP	ZNE 02 47	26
	E(S)	ZNE	48 27	
APR 21	AFI	EIP	ZNE 04 21	41
	IS	ZNE	22 50.0	
APR 21	AFI	IP	ZNE 06 58	45.6J
	S	ZNE	59 07	
APR 21	H M S	EPICENTRE	DEPTH	MAG
	07 19 27.5	32.2N 131.9E	41KM	6.1 KYUSHU JAPAN
		H M S	DIR DIS	LG _A /T AZ TZ AN TN AE TE MAG
AFI	EP	ZNE 07 30	41	71
	EP	Z	90	
	S	ZNE	39 57	
	L	ZNE	52 00	
RAR	S	ZNE 07 42	25	84
	EL	ZNE	58 18	
SBA	EP	ZNE 07 34	14	112
	EPP	ZNE	38 50	
	ESKS	ZNE	44 45	
	EPS	ZNE	48 15	
	ESS	ZNE	54 05	
	ELQ	ZNE 08 05	00	
APR 21	AFI	EP	ZNE 13 10	50
	ES	ZNE	12 12	
APR 22	H M S	EPICENTRE	DEPTH	MAG
	04 58 03.0	26.7S 114.2W	33KM	5.3 EASTER IS
		H M S	DIR DIS	LG _A /T AZ TZ AN TN AE TE MAG
AFI	ES	ZNE 04 55	32	55
	EL	ZNE 05 01	00	
SBA	EP	ZNE 04 48	19	62
	ES	ZNE	56 50	
	ELQ	ZNE 05 03	46	
	ELR	ZNE	06 50	
APR 22	AFI	IP	ZNE 05 19	20.3D
	IS	ZNE	20 12.0	
APR 22	H M S	EPICENTRE	DEPTH	MAG
	06 31 57.5	26.8S 114.1W	33KM	5.6 EASTER IS
		H M S	DIR DIS	LG _A /T AZ TZ AN TN AE TE MAG
AFI	EP	Z	06 41 40	95
	IS	ZNE	49 24.0	

	H	M	S	EPICENTRE	DEPTH	MAG											
APR 28	07	25	29,7	22,45 177,7W	296KM	5,9	S OF FIJI										
	RAQ	P	Z	07 27 05		7	DIR DIS LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG			
		ES	Z	07 28 26													
	AFI	EIP	ZNE	07 27 42		10											
		IS	ZNE	07 29 21,0													
	RAR	P	ZNE	07 29 03,9		17											
		ES	ZNE	07 32 04													
	SBA	EP	ZNE	07 34 42		56											
		EPCP	ZNE	07 35 44													
APR 28	RAQ	P	Z	17 30 36													
APR 28	RAQ	P	Z	17 36 14													
APR 28	RAQ	P	Z	17 38 09													
APR 28	19	39	05,5	7,95 158,8E	77KM	5,7	SOLOMON IS										
	AFI	EIP	ZNE	19 45 03		29	=0,81										
		EL	ZE	19 52 32													
	RAR	P	Z	19 47 08,5		42											
	SBA	EP	ZNE	19 50 11,9		70											
APR 30	AFI	EP	ZNE	12 12 30													
		ES	ZNE	12 14 16													
MAY 01	02	45	09,0	30,05 114,3W	33KM	4,9	EASTER IS CORDILLERA										
	RAR	E(SB)	NE	03 04 07		46											
	AFI	E(SBS)	ZNE	03 09 12		59											
		EL	ZNE	03 15 12													
MAY 01	03	11	58,3	21,05 174,6W	33KM	5,0	TONGA										
	AFI	EIP	ZNE	03 13 41		8											
		S	ZNE	03 14 36													
		ET	ZNE	03 20 25													
	SBA	EP	ZNE	03 21 30		58											
MAY 01	RAR	P	ZNE	03 15 00,2													
MAY 01	05	05	59,8	21,45 174,9W	32KM	5,0	TONGA										
	AFI	EP	ZNE	05 07 47		8											
		ES	ZNE	05 09 07													
		ET	ZNE	05 15 18													
	RAR	EP	ZNE	05 08 03		14											
	SBA	EP	ZNE	05 15 44		57											
MAY 01	11	52	30,1	5,14 125,2E	230KM	5,2	MINDANAO										
	SBA	EP	ZNE	12 04 46,9		86											
MAY 01	13	18	12,2	18,05 178,4W	534KM	4,2	FIJI										
	AFI	EP	ZNE	13 20 10		8											
		ES	ZNE	13 21 41													

	H	M	S	EPICENTRE	DEPTH	MAG											
MAY 01	19	05	24,7	16,85 174,7W	205KM	6,0	TONGA										
	AFI	IP	ZNE	19 06 23,0		4	DIR DIS LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG			
		S	ZNE	19 08 45		15											
	RAR	P	NE	19 11 32											301	11	248
	SBA	IP	ZNE	19 13 26,0		62											
		EPCP	ZNE	19 16 12													
MAY 02	05	05	16,8	6,65 129,6E	133KM	5,3	BANDA SEA										
	SBA	EP	ZNE	05 16 38		74											
MAY 02	10	45	35,9	17,95 178,7W	534KM	3,9	FIJI										
	AFI	IP	ZNE	10 47 31,0		8	DIR DIS LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG			
MAY 02	18	42	22,3	19,15 174,6W	33KM	4,7	TONGA										
	AFI	EP	ZNE	18 43 45		6	DIR DIS LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG			
		S	ZNE	18 44 43													
	RAR	EP	Z	18 45 35,2		14											
MAY 02	AFI	IP	ZNE	23 06 48,9													
		IS	ZNE	23 07 31,0													
MAY 03	12	53	25,5	23,55 180,0E	543KM	4,8	S OF FIJI										
	RAQ	P	Z	12 35 04		6	DIR DIS LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG			
	AFI	EP	ZNE	12 36 05		12											
		ES	ZNE	12 38 10													
	SBA	EP	ZNE	12 32 07		55											
MAY 03	19	37	22,9	53,35 164,0E	33KM	4,7	PACIFIC-ANTARCTIC RIDGE										
	SBA	EP	ZNE	20 01 21		15	DIR DIS LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG			
		EL	ZNE	20 05 20													
MAY 04	03	28	40,2	26,95 175,5W	71KM	4,9	S OF TONGA										
	RAQ	EP	Z	03 29 25		3	DIR DIS LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG			
	AFI	EP	Z	03 31 48		13											
		S	NE	03 33 56													
MAY 04	07	08	01,4	17,65 178,9W	578KM	5,0	FIJI										
	AFI	IP	ZNE	07 09 54,0		8	DIR DIS LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG			
		S	ZNE	07 11 23													
	RAQ	P	Z	07 10 32		12											
	SBA	EP	ZNE	07 17 19		61											
MAY 04	12	36	33,4	17,45 168,9E	11KM	5,5	NEW HEBRIDES										
	RAQ	EP	Z	12 40 34		17	DIR DIS LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG			
	AFI	EIP	ZNE	12 40 56,5		19	=0,93										
		S	ZNE	12 44 28													
		IL	ZE	12 45 52,0													
	SBA	EP	ZNE	12 46 47		60											

	ES	ZNE	55 05						
	ELQ	ZNE	13 02 00						
	ELR	ZNE	05 14						
MAY 04	H M S	EPICENTRE	DEPTH	MAG					
	17 43 38,9	29,2S 179,1W	319KM	4,2	KERMADEC ISLANDS				
	RAJ IP	H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG	
		Z	17 44 24,4U	1					
MAY 05	SBA EP	ZNE	01 03 26						
MAY 05	H M S	EPICENTRE	DEPTH	MAG					
	02 08 37,2	57,8S 147,6E	33KM	4,9	W. OF MACQUARIE I.				
	SBA EP	H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG	
		ZNE	02 13 27	21					
	ES	ZNE	17 36						
	EL	ZNE	19 30						
MAY 05	H M S	EPICENTRE	DEPTH	MAG					
	05 17 16,6	58,1S 148,4E	33KM	4,9	W. OF MACQUARIE I.				
	SBA EP	H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG	
		ZNE	05 21 55	21					
MAY 05	H M S	EPICENTRE	DEPTH	MAG					
	13 52 39,6	30,8S 71,8W	38KM	5,3	CHILE				
	SBA EP	H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG	
		ZNE	14 03 27	66					
MAY 06	AFI EP	ZNE	09 15 20						
	ES	ZNE	16 17						
MAY 07	H M S	EPICENTRE	DEPTH	MAG					
	09 21 18,2	31,2S 179,2W	198KM	4,9	KERMADEC IS				
	RAJ P	H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG	
		Z	09 21 55	2					
	AFI EP	Z	09 25 22	19					
	S	ZNE	28 35						
	SBA EP	ZNE	09 29 39	47					
MAY 08	H M S	EPICENTRE	DEPTH	MAG					
	22 37 16,8	5,6S 146,2E	76KM	5,1	E NEW GUINEA				
	AFI IP	H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG	
		ZNE	22 45 05,1D	42					
MAY 10	AFI IP	ZNE	03 24 44,0U						
	IS	ZNE	25 03,0						
MAY 10	H M S	EPICENTRE	DEPTH	MAG					
	12 06 27,3	28,1S 178,1W	196KM	4,7	KERMADEC IS				
	RAJ IP	H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG	
		Z	12 06 34,9	1					
	AFI EP	ZNE	12 09 47	15					
	S	ZNE	12 23						
	ET	ZNE	22 52						
	SBA EP	ZNE	12 15 07	50					
MAY 10	H M S	EPICENTRE	DEPTH	MAG					
	20 05 30,7	27,8S 177,0W	34KM	4,7	KERMADEC IS				
	RAJ P	H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG	
		Z	20 05 38,6	2					
	AFI EP	Z	20 08 51	15					
	ES	ZNE	11 26						
	ET	ZNE	23 23						
	SBA EP	ZNE	20 14 30	51					

	H M S	EPICENTRE	DEPTH	MAG					
	00 39 11,7	30,4S 177,9W	39KM	4,7	KERMADEC REGION				
	RAJ P	H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG	
		Z	00 39 30,7	1					
	AFI IP	ZNE	07 46 11,8D						
	E(S)	ZNE	47 05						
	H M S	EPICENTRE	DEPTH	MAG					
	14 17 11,9	21,8S 175,1W	33KM	5,1	TONGA				
	RAJ EP	H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG	
		Z	14 19 05	8					
	E(S)	Z	20 27						
	AFI IP	ZNE	14 19 09,0U						
	S	ZNE	20 31						
	ET	ZNE	27 14						
	RAR P	ZNE	14 20 23,8						
	ES	VE	22 49						
	SBA EP	ZNE	14 26 57						
	H M S	EPICENTRE	DEPTH	MAG					
	07 25 16,4	16,0S 175,1W	302KM	4,6	TONGA				
	AFI IP	H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG	
		ZNE	07 26 20,9D	4					
	IS	ZNE	27 08,0						
	SBA EP	ZNE	07 35 10,5						
	H M S	EPICENTRE	DEPTH	MAG					
	19 15 48,3	21,7S 179,7W	280KM	5,0	TONGA				
	RAJ EP	H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG	
		Z	19 17 14	8					
	AFI EP	ZNE	19 17 20						
	RAR EP	Z	19 18 34						
	SBA EP	ZNE	19 25 10						
	RAJ EP	Z	19 18 39						
	H M S	EPICENTRE	DEPTH	MAG					
	09 45 13,1	15,3S 157,6E	123KM	5,3	NEW HEBRIDES				
	SBA EP	H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG	
		ZNE	09 55 25,5						
	H M S	EPICENTRE	DEPTH	MAG					
	14 16 32,8	11,5V 86,4W	79KM	5,6	NEAR NICARAGUA				
	RAR ES	H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG	
		VE	14 39 33						
	EL	ZNE	53 14						
	AFI EP	Z	14 29 39						
	S	ZNE	40 16						
	(SS)	ZNE	46 16						
	L	ZNE	57 08						
	H M S	EPICENTRE	DEPTH	MAG					
	14 30 19,6	7,2S 120,9E	616KM	5,6	FLORES SEA				
	AFI IP	H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG	
		ZNE	14 40 12,0U						
	*SS	E	32 02						
	SS	ZNE	53 02						
	SBA IP	ZNE	14 40 58,0D						
	EPCP	ZNE	41 09,5						
	EPP	ZNE	44 23						
	ES	ZNE	49 48						
	ESP	ZNE	50 30						
	RAR EP	Z	14 36 16						
	AFI EP	ZNE	14 37 34						
	ES	ZNE	58 13						

	H	M	S	EPICENTRE	DEPTH	MAG	
MAY 13	17	38	28,5	11,84 86,2W	46KM	4,9	NEAR NICARAGUA
	AFI	EL	ZNE	18 18 48	89		DIR DIS LG _W /T AZ TZ AN TN AE TE MAG
MAY 14	13	49	03,1	11,54 86,2W	82KM	4,8	NEAR NICARAGUA
	AFI	EL	ZNE	14 30 16	89		DIR DIS LG _W /T AZ TZ AN TN AE TE MAG
MAY 14	14	36	03,6	18,05 178,6W	639KM	4,3	FIJI
	AFI	E(P)	Z	14 57 53	8		DIR DIS LG _W /T AZ TZ AN TN AE TE MAG
MAY 14	19	32	54,2	51,34 179,9W	21KM	6,2	ALEUTIAN IS
	AFI	IP	ZNE	19 43 39,00	65		DIR DIS LG _W /T AZ TZ AN TN AE TE MAG
		IS	ZNE	52 11,0			
		SS	ZNE	56 21			
		ILQ	E	59 16,0			
		ILR	ZN	20 02 14,0			
	RAR	EP	ZN	19 44 35	74		
		S	ZNE	54 06			
		ELQ	ZNE	20 06 35			
	SBA	EPKP	ZNE	19 52 00,5	129		
		EPP	ZNE	54 08			
		EPKS	ZNE	55 20			
		EPB	ZNE	20 04 14			
		ESS	ZNE	11 32			
		ELQ	ZNE	26 28			
		ELR	ZNE	34 00			
MAY 15	SUV	EP	Z	02 54 58			
MAY 15	SUV	EP	Z	04 33 53			
MAY 15	AFI	E	NE	09 10 40			
		E	Z	12 00			
MAY 15	11	42	31,4	15,15 173,8W	33KM	4,4	TONGA
	AFI	IP	ZNE	11 43 03,0J	2		DIR DIS LG _W /T AZ TZ AN TN AE TE MAG
		S	ZNE	23			
MAY 15	AFI	E(P)	ZNE	22 18 08			
		E(S)	ZNE	19 55			
	RAD	EP	Z	22 18 33			
MAY 15	22	38	23,2	7,25 120,3E	463KM	5,3	FLORES SEA
	SBA	EP	ZNE	22 49 15	75		DIR DIS LG _W /T AZ TZ AN TN AE TE MAG
MAY 16	07	03	22,2	27,55 178,6W	90KM	5,4	KERMADEC IS
	RAD	P	Z	07 03 55	2		DIR DIS LG _W /T AZ TZ AN TN AE TE MAG
	SUV	EP	Z	07 05 50	10		
	AFI	EIP	ZNE	07 06 33	14		
		S	ZNE	08 55			
		EL	ZNE	09 00			
		T	ZNE	18 36			
	RAR	P	ZNE	07 07 02,7	17		
		S	ZNE	09 55,3			

	SBA	EP	ZNE	07 12 22	51		
		ES	ZNE	19 48			
		ES9	ZNE	23 30			
		ELR	ZNE	27 30			
MAY 16	RAD	P	Z	10 51 57			
	AFI	EP	ZNE	10 54 30			
		E(S)	ZNE	57 00			
MAY 16	AFI	EP	ZNE	21 11 08			
		S	ZNE	48			
		T	NE	14 28			
		T	Z	15 00			
MAY 17	AFI	(P)	Z	03 48 38			
MAY 17	15	22	13,0	27,35 71,0W	33KM	4,7	N, CHILE
		S	DIR	DIS LG _W /T AZ TZ AN TN AE TE MAG			
	SBA	EP	ZNE	15 33 22	70		
MAY 17	SUV	EP	Z	20 24 26			
MAY 17	SUV	EP	Z	20 41 40			
MAY 18	00	15	31,5	9,05 198,4E	16KM	5,6	SOLOMON IS
		S	DIR	DIS LG _W /T AZ TZ AN TN AE TE MAG			
	SBA	EP	ZNE	00 26 38	71		
		EL	ZNE	48 05			
MAY 18	SBA	EP	ZNE	03 03 14			
		EL	ZNE	12 50			
MAY 18	AFI	IP	ZNE	04 12 10,80			
		S	ZNE	51			
MAY 18	08	44	03,6	60,34 146,0W	6KM	5,4	S ALASKA
		S	DIR	DIS LG _W /T AZ TZ AN TN AE TE MAG			
	AFI	ET	N	09 17 20	77		
		ET	Z	20 08			
	SBA	EPKP	Z	09 03 32	141		
MAY 18	SUV	P	Z	12 32 00			
	AFI	IP	ZNE	12 32 24,00			
		(S)	ZNE	33 42			
	RAD	EP	Z	12 34 05			
MAY 18	13	29	55,4	19,55 66,0E	33KM	5,1	INDIAN OCEAN
		S	DIR	DIS LG _W /T AZ TZ AN TN AE TE MAG			
	SBA	EP	ZNE	13 41 25	75		
MAY 18	13	44	35,5	19,65 167,6E	131KM	5,4	NEW HEBRIDES
		S	DIR	DIS LG _W /T AZ TZ AN TN AE TE MAG			
	SBA	EP	ZNE	13 54 46	62		
MAY 19	05	37	21,9	21,15 174,6W	33KM	4,8	TONGA
		S	DIR	DIS LG _W /T AZ TZ AN TN AE TE MAG			
	AFI	EP	ZNE	05 39 07	9		
		S	ZNE	40 24			
		ET	ZNE	46 40			
	RAD	EP	Z	05 39 24	9		
	SBA	EP	ZNE	05 47 10	55		

	H	M	S	EPICENTRE	DEPTH	MAG											
MAY 20	01	01	13,9	30,8S 177,8W	9KM	4,9	KERMADEC REGION										
	RAJ	P		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
	SBA	EP		Z 01 01 42,2		2											
				ZNE 01 09 38		48											
MAY 20				ZNE 02 04 04													
MAY 20	03	08	21,2	54,6S 130,9W	33KM	5,2	PACIFIC-ANTARCTIC R.										
	SBA	EP		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
	ES			ZNE 03 14 42		32											
	L			ZNE 20 00													
				ZNE 22 40													
MAY 20	03	43	13,1	3,0V 128,6E	217KM	5,2	HALMAHERA										
	SBA	EP		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
				ZNE 03 55 17		83											
MAY 20	22	29	47,5	15,2S 172,6W	37KM	4,4	SAMOA										
	AFI	IP		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
	S			ZNE 22 30 06,30		2											
				ZNE 24													
MAY 21	02	09	36,6	33,1S 179,9E	33KM	4,8	S OF KERMADEC IS										
	SBA	EP		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
				ZNE 02 18 12,5		45											
MAY 21	02	36	49,2	11,7V 125,8E	26KM	5,2	CENTRAL PHILIPPINES										
	SBA	EP		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
				ZNE 03 10 03		92											
MAY 21				ZNE 04 22 16,0J													
				ZNE 35													
MAY 21	15	02	29,6	16,5S 173,2W	25KM	4,5	TONGA										
	AFI	EIP		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
	S			ZNE 15 03 16		3											
	T			ZNE 47													
	RAR	EP		ZNE 05 34													
	SBA	EP		Z 15 05 36		14											
				ZNE 15 12 31		62											
MAY 21	17	05	03,4	4,6S 153,2E	65KM	5,1	NEW IRELAND										
	SBA	EP		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
				ZNE 17 16 32		74											
MAY 22	12	21	24,0	23,5S 179,9W	589KM	4,3	S OF FIJI										
	RAJ	EP		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
	AFI	P		Z 12 23 02		6											
	ES			ZNE 12 24 00		12											
				ZNE 26 02													
MAY 22				ZNE 14 36 10													
				ZNE 37 13													
	(T)			ZNE 15 02 14													

	H	M	S	EPICENTRE	DEPTH	MAG											
MAY 23	13	04	36,6	53,4V 160,2W	32KM	5,6	S OF ALASKA										
	AFI	ES		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
	EL			ZN 13 24 40		68											
				ZN 34 56													
MAY 23	14	29	43,1	39,7S 175,6E	70KM	5,2	NORTH ISLAND										
	SBA	EP		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
				ZNE 14 37 04		38											
MAY 23				ZNE 14 36 48,0J													
				ZNE 37 08													
MAY 23	17	07	42,2	3,7V 95,7E	47KM	5,2	N SUMATRA										
	SBA	EP		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
				ZNE 17 20 38		90											
MAY 23	21	34	21,5	14,6S 167,4E	177KM	4,7	NEW HEBRIDES										
	SBA	IP		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
				ZNE 22 04 33,0		63											
MAY 24				ZNE 04 01 13,0J													
				ZNE 03 10													
MAY 24	10	25	40,7	29,6S 178,9W	294KM	3,9	KERMADEC IS										
	RAJ	IP		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
	AFI	EP		Z 10 26 23,3J		1											
	ES			ZNE 10 29 17		17											
				ZNE 32 10													
MAY 24	16	27	39,4	10,1S 161,3E	96KM	5,2	SOLOMON IS										
	SBA	EP		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
				ZNE 16 38 50,3		65											
MAY 25	20	18	30,0	32,0S 178,9W	70KM	5,4	S OF KERMADEC IS										
	RAJ	P		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
	ES			Z 20 19 11,7		3											
	AFI	EP		ZNE 20 22 43		19											
	ES			ZNE 26 01													
	ET			ZNE 38 04													
	RAR	ES		ZNE 20 26 26		20											
	SBA	EP		ZNE 20 26 53,3		46	-1,11										5,8
	ESCP			ZNE 28 25,8													
	ES			ZNE 32 12,2													
MAY 25				Z 20 36 48													
MAY 25	22	30	43,0	57,7S 25,2W	33KM	5,6	SOUTH SANDWICH IS										
	SBA	IP		H M S	DIR DIS	LG _W A/T	AZ TZ	AN TN	AE TE	MAG							
	ES			ZNE 22 38 54,5J		45	-0,93										
				ZNE 45 30													
MAY 26				Z 10 47 50													
MAY 26				ZNE 10 48 16,6J													
				ZNE 49 47													
	RAR	EP		Z 10 49 51													
	RAJ	EP		Z 10 51 30													

H M S		EPICENTRE	DEPTH	MAG									
MAY 26	15 37 16,8	11,8V 125,8E	14KM	5,2	PHILIPPINE IS								
		H M S	DIR	DIS	LQ	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AFI	EP	Z	15	48	12								
ES		ZNE	37	12									
ESSS		VE	16	04	36								
EL		ZE	08	08									
SBA	EP	ZNE	15	50	29	92							
ES		ZNE	16	01	30								
MAY 26	AFI EIP	Z	15	56	47								
MAY 27	AFI E(P)	Z	02	17	19								
MAY 27	04 34 32,9	10,7S 161,8E	41KM	4,8	SOLOMON IS								
		H M S	DIR	DIS	LQ	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SBA	EP	ZNE	04	45	25	67							
MAY 27	AFI IP	ZNE	12	07	05,0U								
	S	ZNE		29									
MAY 27	12 18 49,6	59,9S 26,5W	19KM	5,1	S SANDWICH IS								
		H M S	DIR	DIS	LQ	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SBA	EP	ZNE	12	26	39	42							
ES		ZNE	33	00									
ESS		ZNE	35	48									
AFI	EL	ZN	13	13	32	101							
MAY 27	15 01 21,9	10,7S 164,4E	8KM	5,2	SANTA CRUZ IS								
		H M S	DIR	DIS	LQ	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AFI	EP	ZNE	15	06	33	23 =0,93							
ES		ZN	10	56									
ESB		VE	11	28									
EL		ZE	13	08									
SBA	EP	ZNE	15	12	19	67							
MAY 27	16 29 30,5	8,8S 124,1E	30KM	5,3	TIMOR								
		H M S	DIR	DIS	LQ	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SBA	EP	ZNE	16	40	55	72							
MAY 28	03 41 01,8	11,8V 125,8E	6KM	5,3	PHILIPPINE IS								
		H M S	DIR	DIS	LQ	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AFI	ES	ZNE	04	01	28	67							
EL		ZE	11	56									
SBA	EP	ZNE	03	54	19	92							
MAY 28	AFI EP	ZNE	09	32	24								
	E(S)	ZNE		34	03								
RAR	EP	Z	09	33	36								
MAY 28	RAR EP	ZNE	09	48	21								
MAY 28	AFI EP	ZNE	12	20	27								
	ES	ZNE		22	25								
MAY 28	13 30 08,9	2,1S 78,9W	177KM	5,5	PERU-ECUADOR BORDER								
		H M S	DIR	DIS	LQ	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SBA	EP	ZNE	13	43	05	93 =0,81							
AFI	EP	ZNE	13	43	12	94							
ES		VE	54	20									
ES		Z	56	12									

ESS		ZNE	14	00	43								
	E	ZN		08	00								
	EL	E		14	20								
MAY 29	07 17 26,8	15,0S 173,3W	33KM	4,9	TONGA								
		H M S	DIR	DIS	LQ	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AFI	IP	ZNE	07	17	50,4DSW	2							
	S	ZNE		18	09								
RAR	ES	ZNE	07	23	20	14							
SBA	EP	ZNE	07	27	57	64							
MAY 29	RAR EP	Z	07	34	51								
MAY 29	10 22 38,0	20,3S 177,7W	310KM	4,6	FIJI								
		H M S	DIR	DIS	LQ	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AFI	IP	ZNE	10	24	37,0J	9 =0,65							
	IS	ZNE		26	11,0								
RAJ	EP	Z	10	24	40	9							
	ES	Z		26	21								
SBA	IP	ZNE	10	31	44,5D	58							
MAY 29	11 22 35,0	20,2S 177,7W	510KM	4,5	FIJI								
		H M S	DIR	DIS	LQ	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AFI	IP	ZNE	11	24	33,8U	8							
	S	ZNE		26	07								
RAJ	EP	Z	11	24	36	9							
MAY 29	16 17 35,1	29,4S 178,8W	306KM	4,4	KERMADEC IS								
		H M S	DIR	DIS	LQ	A/T	AZ	TZ	AN	TN	AE	TE	MAG
RAJ	P	Z	16	18	15	1							
	E	Z		37									
	ES	Z		46									
AFI	EP	ZNE	16	21	10	17							
	S	ZNE		24	00								
SBA	IP	ZNE	16	25	55,0	49 =0,86							
MAY 29	16 32 32,1	19,9S 174,7W	33KM	4,9	TONGA								
		H M S	DIR	DIS	LQ	A/T	AZ	TZ	AN	TN	AE	TE	MAG
AFI	EP	ZNE	16	34	08	7							
	S	ZNE		55	15								
RAR	EP	ZNE	16	55	49	14							
	ES	ZNE		58	09								
SBA	EP	ZNE	17	02	30,5	59							
MAY 30	05 56 37,8	9,7S 118,7E	7KM	5,1	FLORES REGION								
		H M S	DIR	DIS	LQ	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SBA	EP	ZNE	06	08	11,5	72							
MAY 30	RAJ EP	Z	06	25	51								
	ES	Z		27	04								
AFI	EP	ZNE	06	26	50,1								
	E(S)	ZNE		28	58								
MAY 30	09 53 24,2	16,1S 168,1E	184KM	4,7	NEW HEBRIDES								
		H M S	DIR	DIS	LQ	A/T	AZ	TZ	AN	TN	AE	TE	MAG
SBA	EP	ZNE	10	03	25	62							
MAY 30	15 16 10,6	21,1S 178,8W	583KM	4,8	FIJI								
		H M S	DIR	DIS	LQ	A/T	AZ	TZ	AN	TN	AE	TE	MAG
RAJ	ES	Z	13	19	41	8							

	S	ZNE	55						
	T	ZNE	28 25						
	RAR EP	Z	21 29 03	14					
	H M S	EPICENTRE	DEPTH	MAG					
JUN 02	05 39 41.2	12.9N 143.4E	127KM	4.8	S; OF CAROLINE IS				
	AFI IP	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
		ZNE 05 48 39	J	52					
JUN 02	AFI E(P)	ZNE 17 44 23							
	S	ZNE	45						
	H M S	EPICENTRE	DEPTH	MAG					
JUN 02	22 27 13.2	31.9S 177.8W	33KM	4.4	KERMADEC IS				
	AFI EP	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
	E(S)	ZNE 22 31 32		19					
		ZNE	34 50						
JUN 03	AFI IP	ZNE 11 26 54.5U							
	S	ZNE	27 15						
	H M S	EPICENTRE	DEPTH	MAG					
JUN 04	02 41 07.1	32.3S 178.1W	33KM	4.6	S, OF KERMADEC IS				
	AFI EP	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
	ES	ZNE 02 45 27		19					
	ET	ZNE	03 04 09						
	H M S	EPICENTRE	DEPTH	MAG					
JUN 04	04 38 39.0	32.3S 177.8W	33KM	4.7	S; OF KERMADEC IS				
	AFI EP	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
	ES	ZNE 04 42 56		19					
	ET	ZNE	46 08						
	RAR EP	ZNE 03 00 25							
	ES	ZNE 04 43 08		19					
	SBA EP	ZNE	46 26						
		ZNE 04 47 08.5		46					
	H M S	EPICENTRE	DEPTH	MAG					
JUN 04	14 16 28.0	16.3S 172.7W	43KM	4.9	SAMOA REGION				
	AFI EIP	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
	S	ZNE 14 16 58		3					
	RAR EP	ZNE 17 30							
	ES	ZNE 14 19 27		13					
		ZNE	21 30						
JUN 04	AFI EP	ZNE 16 19 47							
	S	ZNE	20 18						
	H M S	EPICENTRE	DEPTH	MAG					
JUN 04	16 21 31.4	16.2S 173.0W	42KM	4.9	TONGA				
	AFI P	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
	S	ZNE 16 22 07		3					
	RAR EP	ZNE 16 24 33.5		13					
	EL	ZNE	27 50						
	H M S	EPICENTRE	DEPTH	MAG					
JUN 04	17 15 31.4	25.0S 177.9W	485KM	4.4	S, OF FIJI				
	AFI EP	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
	ES	ZNE 17 18 39		12					
		ZNE	20 58						
	H M S	EPICENTRE	DEPTH	MAG					
JUN 05	00 22 43.9	16.2S 172.9W	33KM	4.8	SAMOA REGION				
	AFI EP	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
	S	ZNE 00 23 18		3					
		ZNE	46						

JUN 05	AFI EP	ZNE 02 19 36							
	S	ZNE	20 08						
	T	ZNE	22 06						
	H M S	EPICENTRE	DEPTH	MAG					
JUN 05	19 48 10.4	17.2S 176.9W	324KM	4.4	FIJI REGION				
	AFI EP	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
	ES	ZNE 19 49 39		6					
		ZNE	30 36						
	H M S	EPICENTRE	DEPTH	MAG					
JUN 05	17 20 16.4	1.9N 127.4E	97KM	3.2	HALMAHERA				
	SBA EP	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
		ZNE 17 32 29.5		82					
JUN 06	SBA EP	ZNE 09 16 50							
	EL	ZNE	20 10						
	H M S	EPICENTRE	DEPTH	MAG					
JUN 06	05 27 56.7	32.1S 177.8W	19KM	4.5	S, OF KERMADEC IS				
	AFI EP	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
		ZNE 05 32 17		19					
	H M S	EPICENTRE	DEPTH	MAG					
JUN 06	12 12 25.5	60.3S 25.3W	33KM	5.3	SOUTH SANDWICH IS				
	SBA EP	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
		ZNE 12 20 13.5		42					
	H M S	EPICENTRE	DEPTH	MAG					
JUN 06	13 27 13.9	14.8S 167.9E	33KM	4.6	NEW HBRIDES				
	SBA EP	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
		ZNE 13 37 35		63					
JUN 06	AFI IP	ZNE 21 16 37.5							
	S	ZNE	17 00						
	H M S	EPICENTRE	DEPTH	MAG					
JUN 06	22 25 37.3	22.6S 68.4W	125KM	5.0	N, CHILE				
	SBA EP	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
		ZNE 22 37 06.5		75					
JUN 07	AFI EP	ZNE 02 59 20							
	E(S)	ZNE 03 01 05							
JUN 07	AFI EP	ZNE 04 50 38							
	S	ZNE	31 00						
	T	ZNE	32 24						
	H M S	EPICENTRE	DEPTH	MAG					
JUN 07	05 24 11.0	35.4S 179.9W	46KM	4.7	S, PACIFIC OCEAN				
	AFI EP	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
	ES	ZNE 05 29 14		23					
	ES	ZNE	33 20						
	RAR EP	Z 05 29 16		23					
	ES	ZNE	33 13						
	SBA EP	ZNE 05 32 09		43					
	H M S	EPICENTRE	DEPTH	MAG					
JUN 07	08 43 03.7	30.7S 59.5E	33KM	4.6	INDIAN OCEAN				
	SBA EP	H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
		ZNE 08 53 34.5		64					
JUN 07	AFI E(P)	ZNE 17 06 07							
	E(S)	ZNE	07 31						

	H	M	S	EPICENTRE	DEPTH	MAG												
JUN 08	11	41	16.8	15.1S 173.6W	33KM	4.8	TONGA											
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG				
	AFI	IP		ZNE 11 41 45.8		2												
		S		ZNE 42 05														
		T		ZNE 43 40														
	SBA	EP		ZNE 11 51 47		64												
JUN 08	14	49	31.6	53.3N 159.7E	80KM	3.4	KAMCHATKA											
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG				
	SBA	EPKP		ZNE 15 08 36		131												
		EPKS		ZNE 11 55														
JUN 08	14	52	17.9	36.5S 73.6W	30KM	5.0	CHILE											
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG				
	SBA	EP		ZNE 15 02 27		60												
JUN 08				ZNE 17 24 55														
		S		ZNE 25 22														
		T		ZNE 27 29														
JUN 08	21	02	09.8	17.6S 178.8W	477KM	4.2	FIJI REGION											
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG				
	SUV	P		Z 21 03 25		3												
	AFI	EP		ZNE 21 04 03.5		5												
		ES		ZNE 05 32														
JUN 08	21	40	13.4	23.3S 179.6W	412KM	5.0	S. OF FIJI											
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG				
	RAO	P		Z 21 41 32		6												
	SUV	P		Z 21 42 04		5												
	AFI	EP		ZNE 21 43 06		12												
		EIS		ZNE 45 25														
	RAR	EIP		ZNE 21 44 05.5		15												
	SBA	EP		ZNE 21 48 52.5		55												
JUN 09	06	18	32.1	39.9S 91.7W	33KM	4.6	N. OF CHILE											
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG				
	SBA	EP		ZNE 06 28 07		54												
JUN 09	06	51	16.1	3.2S 142.9E	17KM	5.2	BISMARCK SEA											
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG				
	AFI	EP		ZNE 06 59 40		46												
		ESS		V 07 39 44														
		ESSS		VE 11 20														
		EL		ZE 13 03														
		EL		ZE 15 36														
	SBA	EP		ZNE 07 03 02		76												
JUN 09	21	53	01.8	23.5S 175.0W	33KM	5.5	TONGA REGION											
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG				
	RAO	EP		Z 21 54 33		6												
		ES		Z 55 43														
	SUV	P		Z 21 55 03		8												
	RAR	EP		ZNE 21 56 14		14												
		ES		ZNE 58 34														
		EL		ZNE 59 02														
	SBA	EP		ZNE 22 02 34		55												
		ES		ZNE 10 25														
		ELQ		ZNE 18 18														

JUN 10	AFI	E(P)		Z	02	55	07											
JUN 10				H M S	EPICENTRE	DEPTH	MAG											
				22	52	12.1	36.4N 70.7E	203KM	3.4	HINDU KUSH								
							H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EPKP		ZNE 23 10 51.5		127												
JUN 10				H M S	EPICENTRE	DEPTH	MAG											
				23	30	33.7	36.3N 70.4E	213KM	3.2	HINDU KUSH								
							H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EPKP		ZNE 23 49 37		127												
JUN 11				H M S	EPICENTRE	DEPTH	MAG											
				00	58	10.1	59.6N 144.8W	5KM	3.3	GULF OF ALASKA								
							H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EPKP		ZNE 01 17 33		140												
JUN 11				H M S	EPICENTRE	DEPTH	MAG											
				03	36	22.0	55.2S 30.2W	34KM	3.0	SOUTH SANDWICH IS								
							H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EP		ZNE 03 44 50.5		47												
JUN 11	AFI	EIP		ZNE	04	47	07											
		IS		ZNE	48	18.0												
JUN 11				H M S	EPICENTRE	DEPTH	MAG											
				04	48	20.3	1.1N 98.8E	93KM	3.3	N. SUMATRA								
							H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EP		ZNE 05 01 00		87												
JUN 11				H M S	EPICENTRE	DEPTH	MAG											
				23	13	17.7	17.8S 179.9W	609KM	4.9	FIJI REGION								
							H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	IP		ZNE 23 15 20.00		9												
		S		ZNE 17 00														
	SBA	EP		ZNE 23 22 32		60												
JUN 11				H M S	EPICENTRE	DEPTH	MAG											
				23	44	57.9	20.5S 174.7W	33KM	4.6	TONGA								
							H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	RAO	EP		Z 23 46 30		9												
	AFI	EP		ZNE 23 46 41		7												
		S		ZNE 47 57														
	RAR	EP		ZNE 23 47 56.5		14												
	SBA	EP		ZNE 23 54 44		58												
JUN 12	AFI	E(S)		ZNE	07	49	30											
JUN 12	AFI	EP?		Z	15	33	34											
		E(P)		Z			49											
JUN 12				H M S	EPICENTRE	DEPTH	MAG											
				15	13	31.1	34.4N 25.1E	25KM	5.8	CRETE								
							H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EPKP		ZNE 15 32 46		133												
		EPKS		ZNE 36 10														
JUN 12				H M S	EPICENTRE	DEPTH												

	H	M	S	EPICENTRE	DEPTH	MAG	
JUN 12	20	28	31.9	56.5S 25.3W	9KM	5.5	SOUTH SANDWICH IS
				H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	20 36 44.5			48	
	ES	ZNE	43 37				
JUN 13	AFI	I(P)	Z	04 32 28.0U		=1.11	
JUN 13	AFI	IP	ZNE	08 37 49.9U			
JUN 13	H	M	S	EPICENTRE	DEPTH	MAG	
	08	48	29.5	49.4V 155.5E	64KM	5.9	KURIL IS
				H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
AFI	EP	ZNE	08 59 40			69	
	ES	ZNE	09 08 36				
	ESS	ZNE	12 48				
	ESSS	ZNE	16 16				
	EL	ZN	19 32				
RAR	ES	VE	09 10 40			81	
	EL	ZNE	24 50				
SBA	EPKP	ZNE	09 07 26			127	
	EPP	ZNE	09 25				
	EPKS	ZNE	10 30				
	EPS	ZNE	19 30				
	ESS	ZNE	26 46				
	ELQ	ZNE	41 34				
	ELR	ZNE	47 10				
JUN 13	H	M	S	EPICENTRE	DEPTH	MAG	
	18	34	31.1	20.7S 178.6W	800KM	4.3	FIJI REGION
				H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
AFI	EIP	ZNE	18 36 43			9	
	ES	ZNE	38 27				
SBA	EP	ZNE	18 43 27.5			58	
JUN 13	AFI	E(P)	Z	19 36 32			
	ES	ZNE	38 08				
JUN 13	RAD	EP	Z	20 30 36			
	ES	Z	31 54				
RAR	EP	Z	20 32 04				
JUN 14	H	M	S	EPICENTRE	DEPTH	MAG	
	03	22	56.8	7.9S 150.0E	62KM	6.0	SOLOMON IS
				H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
AFI	EIP	ZNE	03 28 54			39 =0.52	6.3
	ES	V	33 52				
	E(L)	V	35 52				
	EL	ZE	37 04				
SBA	EP	ZNE	03 34 03.5			70	
	EPCP	ZNE	19				
JUN 14	H	M	S	EPICENTRE	DEPTH	MAG	
	09	26	10.6	5.6S 145.5E	114KM	5.2	NEW GUINEA
				H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
AFI	IP	ZNE	09 33 59.1U			43	
JUN 14	H	M	S	EPICENTRE	DEPTH	MAG	
	10	30	32.4	32.1S 179.4E	424KM	4.2	S; OF KERMADEC IS
				H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
RAD	EP	Z	10 31 44			4	
	ES	Z	32 28				
AFI	IP	ZNE	10 34 33.5D			20	
	ES	ZNE	37 55				
JUN 15	AFI	E(P)	ZNE	12 21 17			
	ES	VE	22 55				

	H	M	S	EPICENTRE	DEPTH	MAG	
JUN 15	16	56	32.0	4.7S 102.2E	38KM	5.3	S, SUMATRA
				H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	17 08 40			80	
JUN 16	AFI	E(P)	Z	00 21 55			
JUN 16	AFI	EP	ZNE	06 11 40			
	E(S)	ZNE	13 30				
JUN 16	H	M	S	EPICENTRE	DEPTH	MAG	
	15	45	53.3	4.9S 125.7E	38KM	5.4	BANDA SEA
				H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	15 37 38			76	
	ES	ZE	16 05 00			62	
	EL	ZE	15 52				
JUN 16	AFI	IP	ZNE	23 33 03.7J			
	S	ZNE	31				
	T	ZNE	39 26				
JUN 17	SUV	EP	Z	00 03 45			
JUN 17	H	M	S	EPICENTRE	DEPTH	MAG	
	00	47	59.0	30.8S 178.0W	27KM	4.8	KERMADEC REGION
				H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
RAD	P	Z	00 48 24			2	
SBA	EP	ZNE	00 56 37.5			48	
JUN 17	SBA	EP	ZNE	14 19 45			
JUN 17	H	M	S	EPICENTRE	DEPTH	MAG	
	19	26	28.9	19.0V 145.5E	206KM	5.8	MARIANA IS
				H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
SUV	EP	Z	19 34 58			49 0.03	
AFI	IP	ZNE	19 35 29.0J			53	
	IPCP	Z	36 35.0				
	IS	VE	42 48.0				
	IS	Z	43 00.0				
	I(SCS)	Z	44 23.0				
	ESS	Z	46 33				
	ISSS	VE	48 16.0				
	ISSS	ZE	32.0				
RAD	P	Z	19 36 11			60	
RAR	EIP	ZNE	19 37 01.5			67	
SBA	EP	ZNE	19 39 40			97	
	EPP	ZNE	43 38				
	ESKS	ZNE	50 00				
	EPS	ZNE	52 40				
JUN 17	AFI	IP	Z	23 34 19.0D			
	S	ZNE	38				
JUN 17	H	M	S	EPICENTRE	DEPTH	MAG	
	23	58	10.1	52.6S 156.7E	33KM	6.1	MACQUARIE I.
				H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
CBZ	EP	Z	23 59 22			9	
SBA	EP	ZNE	24 03 31			26 =0.06	
	ES	ZNE	08 10				
	ELQ	ZNE	09 40				
RAR	EIP	ZNE	24 06 18.5			45	
	IS	ZNE	12 52.0				
	ISS	ZNE	16 19.0				
AFI	EP	ZNE	24 06 26			46	
	IS	ZNE	13 00.0				
	I(SS)	ZNE	16 32.0				
	IL	ZN	19 40.0				

JUN 18	CBZ EP ES	Z 01 43 26 Z 44 24																		
JUN 18	AFI E(P) S	Z 10 58 24 VE 11 00 05																		
JUN 18	H M S 20 43 19,2	EPICENTRE DEPTH MAG 0,5V 126,1E 3KM 5,3 MOLUCCAS	H M S 4 11 5	DIR DIS LG _W A/T AZ TZ	AN TN AE TE MAG															
	SBA EP	ZNE 20 55 37,5	81																	
JUN 18	H M S 23 44 11,2	EPICENTRE DEPTH MAG 92,6V 167,9W 18KM 5,4 ALEUTIAN IS	H M S 4 11 5	DIR DIS LG _W A/T AZ TZ	AN TN AE TE MAG															
	AFI ES	ZN 24 03 52	66																	
	E	E 10 36																		
	EL	E 14 08																		
	SBA EPP	ZNE 24 05 19	131																	
	EPKS	ZNE 06 44																		
JUN 19	AFI E(P) ES	ZNE 04 48 01 ZNE 57																		
JUN 19	H M S 07 03 04,9	EPICENTRE DEPTH MAG 28,1V 130,0E 45KM 5,5 RYUKYU IS	H M S 4 11 5	DIR DIS LG _W A/T AZ TZ	AN TN AE TE MAG															
	AFI EP	ZNE 07 14 15	70																	
	EL	ZNE 35 24																		
JUN 19	H M S 13 36 49,9	EPICENTRE DEPTH MAG 18,0S 178,3W 549KM 5,0 FIJI REGION	H M S 4 11 5	DIR DIS LG _W A/T AZ TZ	AN TN AE TE MAG															
	SUV P	Z 13 38 02	3																	
	AFI EIP	ZNE 13 38 34	7																	
	S	ZNE 40 00																		
	RAD ES	Z 13 41 16	11																	
	RAR EP	VE 13 40 21,5	15																	
	SBA EP	ZNE 13 46 04	60																	
	EPP	ZNE 47 53																		
JUN 20	H M S 02 37 31,5	EPICENTRE DEPTH MAG 53,2V 162,4W 44KM 5,7 S; OF ALASKA	H M S 4 11 5	DIR DIS LG _W A/T AZ TZ	AN TN AE TE MAG															
	AFI EP	Z 02 48 45	67																	
	ES	ZN 58 08																		
	EL	ZN 03 08 08																		
	SBA EPKP	ZNE 02 56 58,5	132																	
	EPKS	ZNE 03 00 26																		
JUN 20	AFI IP S	ZNE 06 07 09,0J ZNE 28																		
JUN 21	AFI IP?	Z 01 11 21,0																		
JUN 21	SUV EP	Z 01 57 35																		
JUN 21	H M S 06 16 27,9	EPICENTRE DEPTH MAG 62,5S 161,5W 33KM 5,3 PACIFIC-ANTARCTIC R.	H M S 4 11 5	DIR DIS LG _W A/T AZ TZ	AN TN AE TE MAG															
	SBA EP	ZNE 06 20 40,5	15																	
	EL	ZNE 25 00																		
JUN 21	H M S 15 12 10,0	EPICENTRE DEPTH MAG 5,5S 109,6E 561KM 5,6 JAVA SEA	H M S 4 11 5	DIR DIS LG _W A/T AZ TZ	AN TN AE TE MAG															
	SBA IP	ZNE 15 23 12,5	78 -0,73																	

JUN 21	H M S 15 15 18,1	EPICENTRE DEPTH MAG 4,5S 151,9E 77KM 4,8 NEW BRITAIN	H M S 4 11 5	DIR DIS LG _W A/T AZ TZ	AN TN AE TE MAG															
	AFI IP	ZNE 15 23 12,40	37 -0,63																	
JUN 21	CBZ P ES	Z 23 18 05 Z 19 02																		
JUN 21	SBA EP ES EL	ZNE 23 22 12,5 ZNE 26 48 ZNE 28 42																		
JUN 22	H M S 02 33 52,8	EPICENTRE DEPTH MAG 49,2V 158,9E 33KM 5,6 KURIL IS	H M S 4 11 5	DIR DIS LG _W A/T AZ TZ	AN TN AE TE MAG															
	AFI ES	ZN 02 53 52	68																	
	EL	ZN 03 04 44																		
	SBA EPKP	ZNE 02 52 53	127																	
JUN 22	H M S 06 12 24,0	EPICENTRE DEPTH MAG 32,0S 177,9W 33KM 4,9 S; OF KERMADEC IS	H M S 4 11 5	DIR DIS LG _W A/T AZ TZ	AN TN AE TE MAG															
	RAD EP	Z 06 13 04	3																	
	AFI EP	ZNE 06 16 34	19																	
	ES	E 21 08																		
	SBA EP	ZNE 06 20 50,5	46																	
JUN 22	H M S 10 45 24,5	EPICENTRE DEPTH MAG 51,5V 179,9W 36KM 5,1 ALEUTIAN IS	H M S 4 11 5	DIR DIS LG _W A/T AZ TZ	AN TN AE TE MAG															
	AFI EP	ZNE 10 56 18	66																	
	ES	ZN 11 04 52																		
	EL	ZN 15 00																		
	RAR EL	ZN 11 19 35	75																	
	SBA EPKP	ZNE 11 04 26	129																	
	EPKS	ZNE 07 44																		
JUN 22	H M S 10 47 52,2	EPICENTRE DEPTH MAG 55,3S 29,4W 36KM 5,2 SOUTH SANDWICH IS	H M S 4 11 5	DIR DIS LG _W A/T AZ TZ	AN TN AE TE MAG															
	SBA EP	ZNE 10 56 19	47																	
JUN 22	AFI EP IS	ZNE 11 34 22 ZNE 33,0																		
JUN 23	H M S 00 17 56,5	EPICENTRE DEPTH MAG 49,3S 164,2E 27KM 5,3 AUCKLAND IS	H M S 4 11 5	DIR DIS LG _W A/T AZ TZ	AN TN AE TE MAG															
	CBZ P	Z 00 19 01	5																	
	ES	Z 45																		
	SBA EP	ZNE 00 23 54	29																	
	ES	ZNE 28 52																		
	EL	ZNE 31 30																		
	AFI EP	ZNE 00 25 37	40																	
	EL	ZN 38 12																		
JUN 23	CBZ EP ES	Z 00 24 23 Z 25 07																		
JUN 24	H M S 03 29 17,3	EPICENTRE DEPTH MAG 5,8S 146,8E 113KM 5,6 NEW GUINEA	H M S 4 11 5	DIR DIS LG _W A/T AZ TZ	AN TN AE TE MAG															
	AFI IP	ZNE 03 36 56,3D	42																	
	ES	ZNE 43 03																		
	ESS	ZNE 46 16																		
	EL	Z 49 27																		
	RAR P	Z 03 38 31,5	54																	

	SBA	EP	ZNE	03	40	36	73
		ES	ZNE	49	55		
JUN 24	AFI	EP	ZNE	09	24	46	
		IS	ZNE	25	37.0		
JUN 24	H M S		EPICENTRE	DEPTH	MAG		
	10	58	07.3	13.3N	123.0E	42KM	5.1 LUZON
			H M S	DIR	DIS	LG _W /T	AZ TZ AN TN AE TE MAG
	SBA	EP	ZNE	11	11	26	94
JUN 24	SUV	EP	Z	13	28	51.5	
	AFI	EP	ZNE	13	29	38	
		IS	ZNE	31	23.0		
JUN 24	SUV	P	Z	23	22	01	
JUN 25	H M S		EPICENTRE	DEPTH	MAG		
	07	24	49.4	4.5N	96.7E	33KM	5.3 N. SUMATRA
			H M S	DIR	DIS	LG _W /T	AZ TZ AN TN AE TE MAG
	SBA	EP	ZNE	07	37	50	90
JUN 25	SUV	P	Z	18	27	10	
JUN 25	H M S		EPICENTRE	DEPTH	MAG		
	21	53	30.7	2.1N	90.5W	33KM	4.8 E. PACIFIC OCEAN
			H M S	DIR	DIS	LG _W /T	AZ TZ AN TN AE TE MAG
	AFI	ESS	ZNE	22	20	44	82
		EL	V	27	47		
		EL	ZE	31	04		
JUN 26	AFI	EP	ZNE	02	30	23	
		ES	ZNE	31	28		
JUN 26	AFI	IP	ZNE	07	06	25.00	
		IS	ZNE			34.0	
JUN 26	RAD	EP	Z	08	25	50	
		ES	Z			26 23	
	AFI	E(P)	Z	08	29	30	
JUN 26	SUV	P	Z	22	26	41	
	AFI	E	V	22	30	16	
		E	ZE			44	
JUN 26	SUV	P	Z	23	24	05	
JUN 27	H M S		EPICENTRE	DEPTH	MAG		
	07	41	22.2	14.7S	167.7E	39KM	5.3 NEW HEBRIDES
			H M S	DIR	DIS	LG _W /T	AZ TZ AN TN AE TE MAG
	SUV	EP	Z	07	44	00	11
	AFI	EP	ZE	07	45	59	20
		ES	VE	49	52		
		E(L)	ZE	50	48		
	SBA	EP	ZNE	07	51	49	63
JUN 27	SUV	P	Z	09	18	30	
JUN 27	SUV	EP	Z	10	15	29	
JUN 27	H M S		EPICENTRE	DEPTH	MAG		
	12	09	30.9	16.6S	172.6W	33KM	4.7 SAMOA REGION
			H M S	DIR	DIS	LG _W /T	AZ TZ AN TN AE TE MAG
	AFI	EP	ZNE	12	10	32	3
		S	ZNE	11	04		
		T	ZNE	13	26		
	RAR	EP	Z	12	12	12	13
	SBA	EP	ZNE	12	20	09	62

JUN 27	SUV	P	Z	14	51	38	
	H M S		EPICENTRE	DEPTH	MAG		
	15	11	05.4	53.0S	140.4E	41KM	W. OF MACQUARIE I.
			H M S	DIR	DIS	LG _W /T	AZ TZ AN TN AE TE MAG
	SBA	EP	ZNE	15	16	41	27
JUN 27	H M S		EPICENTRE	DEPTH	MAG		
	13	31	07.8	19.9S	178.3W	562KM	5.0 FIJI REGION
			H M S	DIR	DIS	LG _W /T	AZ TZ AN TN AE TE MAG
	SUV	P	Z	15	32	32	4
	AFI	IP	ZNE	15	33	12.0J	9
		IS	ZNE	34	48.0		0.61
	RAD	ES	Z	15	35	05	9
	SBA	IP	ZNE	15	40	12.5	58
JUN 28	H M S		EPICENTRE	DEPTH	MAG		
	14	22	19.0	6.7N	126.6E	114KM	5.2 MINDANAO
			H M S	DIR	DIS	LG _W /T	AZ TZ AN TN AE TE MAG
	SBA	EP	ZNE	14	34	51.5	87
JUN 28	H M S		EPICENTRE	DEPTH	MAG		
	21	24	30.7	22.3S	170.6E	33KM	4.8 LOYALTY IS
			H M S	DIR	DIS	LG _W /T	AZ TZ AN TN AE TE MAG
	AFI	EP	ZNE	21	29	10	19
	SBA	EP	ZNE	21	34	31	56
JUN 29	H M S		EPICENTRE	DEPTH	MAG		
	07	37	11.2	17.7S	178.7W	585KM	5.1 FIJI REGION
			H M S	DIR	DIS	LG _W /T	AZ TZ AN TN AE TE MAG
	AFI	IP	Z	07	59	04.3D	B = 0.82
		IS	ZNE	08	00	33.0	
	SBA	IP	ZNE	08	06	37.5	61
JUN 29	H M S		EPICENTRE	DEPTH	MAG		
	10	34	06.5	30.5S	178.2W	43KM	5.6 KERMADEC REGION
			H M S	DIR	DIS	LG _W /T	AZ TZ AN TN AE TE MAG
	RAD	P	Z	10	34	28	1
	AFI	EP	ZNE	10	38	09	18
		S	ZNE	41	04		
		ET	ZNE	51	00		
	RAR	P	ZNE	10	38	25	19
		S	ZNE	41	51		
		T(MAX)	ZNE	38			
	CBZ	EP	Z	10	39	18	24
	SBA	EP	ZNE	10	42	43	48 = 0.75
		ES	ZNE	49	40		6.2
		ESS	ZNE	33	12		
		ELQ	ZNE	56	20		
JUN 29	H M S		EPICENTRE	DEPTH	MAG		
	11	23	11.6	24.0S	179.7E	555KM	4.7 S. OF FIJI
			H M S	DIR	DIS	LG _W /T	AZ TZ AN TN AE TE MAG
	RAD	P	Z	11	24	43	6
	AFI	EP	Z	11	25	54	13
		S	ZNE	28	04		
	SBA	IP	ZNE	11	31	47.5	54
JUN 29	AFI	EP	Z	14	37	50	
		S	ZNE	58	34		
JUN 29	H M S		EPICENTRE	DEPTH	MAG		
	17	09	13.9	52.8S	166.3E	33KM	5.9 BALLENY IS
			H M S	DIR	DIS	LG _W /T	AZ TZ AN TN AE TE MAG
	SBA	EP	ZNE	17	12	44	15 = 0.11
		ES	ZNE	15	35		
		EL	ZNE	16	10		

DATE	TIME	STATION	EPICENTRE	DEPTH	MAG	LOCATION
		RAR S	17 24 48	48		
		AFI EP	17 18 15	51		
		ES	25 36			
		ESS	29 16			
		ESS	36			
		EL	32 08			
		L	40			
JUN 29	18 01 51.7	H M S	62.7S 166.4E	41KM	5.3	BALLENY IS
		SBA EP	H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG			
		ES	ZNE 18 05 24	15		
		EL	ZNE 08 41			
			ZNE 09 20			
JUN 30	AFI IP	ZNE 00 47 54.7JNW				
		S	ZNE 48 07			
JUN 30	AFI I(P)	Z 07 51 03.8J				
JUN 30	18 21 36.5	H M S	9.3S 120.1E	32KM	5.2	S. OF FLORES
		SBA EP	H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG			
			ZNE 18 33 02.5	73		
JUL 01	AFI EIP	ZNE 10 00 16				
		S	ZNE 56			
JUL 01	AFI IP	ZNE 10 59 22.0JNE				
		S	ZNE 45			
JUL 01	18 22 52.8	H M S	19.9S 175.1W	263KM	4.8	TONGA
		AFI IP	H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG			
		S	ZNE 18 23 54.8D	4		
		SBA EP	ZNE 24 39			
			ZNE 18 32 52	63		
JUL 02	AFI IP	Z 15 53 08.0J				
		S	ZNE 58 41			
JUL 02	17 27 15.7	H M S	28.3S 176.5W	8KM	4.8	KERMADEC IS
		RAO P	H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG			
		AFI EP	Z 17 27 46	2		
		ES	ZNE 17 30 49	15		
		ET	ZNE 33 24			
			ZNE 45 16			
		RAR EP	ZNE 17 31 11	17		
		ES	ZNE 33 58			
		ELQ	VE 35 11			
		ELR	ZNE 36			
		ET	ZNE 48 06			
		SBA EP	ZNE 17 36 23	50		
JUL 02	AFI IP	ZNE 20 37 01.0D				
		S	ZNE 19			
JUL 03	13 43 22.2	H M S	16.8S 173.7W	50KM	4.5	TONGA
		AFI IP	H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG			
		S	Z 13 44 15.3J	3		
		RAO EP	ZNE 13 46 26	13		
		RAR EP	ZNE 13 46 37	14		
		ES	ZNE 48 58.5			
		ET	ZNE 14 00 07			
		SBA EP	ZNE 13 53 39	62		

DATE	TIME	STATION	EPICENTRE	DEPTH	MAG	LOCATION
JUN 03	19 21 07.8	H M S	30.4S 178.3W	33KM	4.9	KERMADEC REGION
		RAO P	H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG			
		SBA EP	Z 19 21 33	1		
			ZNE 19 29 45.5	48		
JUN 04	06 49 33.3	H M S	20.0S 178.6W	650KM	4.9	FIJI REGION
		AFI IP	H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG			
		S	Z 06 51 38.1J	9 = 0.93		
			ZNE 33 17			
		RAO EP	Z 06 51 42	9		
		ES	Z 53 30			
		SBA IP	ZNE 06 58 33.0J	58		
JUN 04	AFI IP	Z 16 55 31.0J				
		S	ZNE 49			
JUN 04	AFI E(P)	Z 18 40 37				
		E(S)	VE 42 34			
JUN 04	22 54 18.0	H M S	55.9S 147.2E	33KM	4.9	N. OF MACQUARIE I.
		SBA EP	H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG			
		ES	ZNE 22 59 22.5	23		
		ELQ	ZNE 23 03 39			
		ELR	ZNE 04 48			
		AFI ES	ZNE 23 11 04	52		
		EL	VE 17 00			
			ZN 19 00			
JUN 05	01 32 50.8	H M S	19.3S 175.9W	187KM	4.6	TONGA
		AFI EIP	H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG			
		IS	ZNE 01 34 27	7		
		SBA EP	ZNE 35 35.0			
			ZNE 01 42 34	59		
JUN 05	01 44 01.1	H M S	3.8S 131.5E	33KM	5.5	WEST IRIAN
		SBA EP	H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG			
			ZNE 01 55 49	76 = 1.01		
JUN 05	06 08 42.4	H M S	21.2S 178.8W	500KM	4.7	FIJI REGION
		AFI EIP	H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG			
		S	ZNE 06 10 56	10		
			ZNE 12 43			
JUN 05	AFI EP	Z 13 09 48				
		S	ZNE 10 21			
JUN 06	03 41 31.8	H M S	6.4S 154.9E	94KM	4.6	SOLOMON IS
		SBA EP	H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG			
			ZNE 03 53 06	72		
JUN 06	AFI EP	Z 05 51 28				
		S	ZNE 52 10			
JUN 06	10 30 30.5	H M S	25.4S 179.6E	522KM	4.8	S. OF FIJI
		RAO P	H M S DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG			
		ES	Z 10 31 52	4		
		AFI EP	Z 52 57			
			Z 10 53 38	14		

		S	ZNE	55 48		
	RAR	EP	Z	10 54 15	19	
		EPP	Z	35 13		
	SBA	EP	ZNE	10 38 59	53	
JUL 06 14 28 21.9 EPICENTRE DEPTH MAG						
				15.35 173.1W	33KM	5.0 TONGA
	AFI	IP	H M S	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG		
	RAR	EP	ZNE	14 28 49.2D	2	
		ES	ZNE	14 31 38	14	
		E(L)	ZNE	34 09		
		ET	ZNE	37 48		
	SBA	EP	ZNE	44 27		
			ZNE	14 38 52	63	
JUL 06 14 31 16.7 EPICENTRE DEPTH MAG						
				15.35 173.4W	33KM	5.3 TONGA
	AFI	(P)	H M S	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG		
		(S)	Z	14 31 48	2	
	RAR	P	ZNE	32 13		
		ES	ZNE	14 34 33	14 =0.44	
	SBA	EP	ZNE	37 02		
			ZNE	14 41 46	63 =1.13	
JUL 06 09Z P 6.0						
		ES	Z	23 04 24		
			Z	05 24		
JUL 07 03 37 54.8 EPICENTRE DEPTH MAG						
				1.8N 126.4E	42KM	5.1 MOLUCCAS
	SBA	EP	H M S	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG		
			ZNE	03 50 15	82	
JUL 07 04 43 15.4 EPICENTRE DEPTH MAG						
				16.5N 147.3E	38KM	5.7 MARIANA IS
	AFI	ES	H M S	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG		
		EL	ZNE	04 59 28	50	
	SBA	EP	ZNE	09 05 40		
			ZNE	04 56 35.5	95	
JUL 07 AFI IP						
		S	ZNE	21 35 56.5J		
			ZNE	36 15		
JUL 08 04 06 39.7 EPICENTRE DEPTH MAG						
				2.1N 126.0E	16KM	5.5 MOLUCCAS
	SBA	EP	H M S	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG		
			ZNE	04 19 04.5	83	
JUL 08 07 10 33.5 EPICENTRE DEPTH MAG						
				34.1S 179.2W	110KM	4.5 S, OF KERMADEC IS
	RAD	EP	H M S	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG		
		ES	Z	07 11 40	5	
	AFI	EP	ZNE	07 15 09	21	
		ES	ZNE	19 02		
	RAR	ES	ZN	07 19 02	21	
	SBA	EP	ZNE	07 18 35	44	
JUL 08 07 19 03.0 EPICENTRE DEPTH MAG						
				56.3S 27.6W	175KM	5.1 SOUTH SANDWICH IS
	SBA	EP	H M S	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG		
		ES	ZNE	07 27 09	46	
		EL	ZNE	33 05		
			ZNE	37 42		
JUL 08 08 09 17.5 EPICENTRE DEPTH MAG						
				37.6N 20.3E	33KM	5.4 IONIAN SEA
	SBA	EPKP	H M S	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG		
			ZNE	08 28 40	137	

		EPP	ZNE	31 32		
	08	AFI	IP	Z	09 40 33.2D	
			S	ZNE	52	
	08	AFI	E(P)	Z	19 11 01	
08 09 03 02 58.0 EPICENTRE DEPTH MAG						
					34.2S 178.9W	37KM 5.1 S, OF KERMADEC IS
					H M S	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
		RAD	EP	Z	03 04 05	5
		RAR	EP	ZE	03 07 38	21
			ES	VE	11 14.5	
			ELQ	VE	32	
			ELR	Z	12 16	
	AFI	EP	ZNE	03 07 40	21	
		ES	ZNE	11 34		
	SBA	EP	ZNE	03 11 09	44	
08 09 05 29 46.9 EPICENTRE DEPTH MAG						
					34.1S 178.8W	33KM 5.6 S, OF KERMADEC IS
					H M S	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
		RAD	EP	Z	05 30 54	5
	AFI	EP	ZNE	05 34 29	21	
	SBA	EP	ZNE	05 37 58	44	
	09	AFI	EP	ZNE	18 46 53	
			S	ZNE	47 20	
			T	ZNE	49 13	
	09	RAD	EP	Z	21 34 35	
			ES	Z	35 16	
		AFI	E(P)	Z	21 36 42	
08 09 22 52 11.5 EPICENTRE DEPTH MAG						
					8.8S 124.0E	34KM 5.2 TIMOR
					H M S	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
	SBA	EP	ZNE	23 03 35.0	72	
	10	AFI	EP	Z	06 25 58	
			S	ZNE	26 33	
08 10 08 42 28.5 EPICENTRE DEPTH MAG						
					23.6S 69.7W	48KM 5.4 N, CHILE
					H M S	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
	SBA	EP	ZNE	08 53 57	74	
	11	AFI	IP	Z	06 28 17.5J	
			S	ZNE	40	
		RAD	EP	Z	06 29 32	
	11	RAD	EP	Z	21 28 43	
		AFI	E(P)	Z	21 29 49	
			E(S)	VE	31 54	
08 12 05 52 48.7 EPICENTRE DEPTH MAG						
					22.8S 179.9W	599KM 4.5 S, OF FIJI
					H M S	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
	RAD	P	Z	05 54 32	7	
		ES	Z	05 54 44		
	AFI	IP	ZNE	05 55 18.0J	11 =0.81	
		S	ZNE	37 20		
	SBA	IP	ZNE	06 01 34.0	55	
08 12 05 37 11.1 EPICENTRE DEPTH MAG						
					6.0S 71.4E	33KM 5.3 INDIAN OCEAN
					H M S	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
	SBA	EP	ZNE	06 09 47	85	

	H	M	S	EPICENTRE	DEPTH	MAG									
JUL 12	11	44	12,3	7,9S 117,8E	92KM	5,1	E, JAVA								
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EP	ZNE	11 55 46		74									
JUL 12	AFI	EP	Z	12 06 06											
		S	ZNE	12 06 06		48									
JUL 12	AFI	EP	Z	12 29 51,5											
		S	ZNE	12 29 51,5		31 36									
JUL 12	13	00	36,9	46,5V 153,3E	12KM	5,3	KURIL IS								
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	E(S)	ZNE	13 20 20		68									
		EL	ZNE	13 20 20		31 12									
JUL 12	13	16	33,4	26,1S 178,3E	603KM	5,0	S, OF FIJI								
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	RAD	P	Z	13 18 24		5									
	AFI	EP	Z	13 20 00,5		15									
		I	Z	12,0											
		ES	ZNE	13 21 07,2		21	-0,68								5,8
	RAR	P	ZNE	13 21 07,2		21	-0,68								
		ES	V	24 17											
	SBA	EP	ZNE	13 29 13,5		52									
		IP	ZNE	13 29 13,5		26,0									
JUL 12	AFI	EP	Z	14 40 11											
		ES	ZNE	14 40 11		41 18									
		ET	ZNE	14 40 11		46 40									
JUL 12	19	16	31,6	39,7N 143,5E	33KM	5,2	E, OF HONSHU								
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	ES	ZNE	19 36 32		68									
		EL	E	44 20											
		EL	ZN	46 56											
JUL 12	20	10	17,9	15,3S 173,9W	93KM	4,0	TONGA								
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	IP	ZNE	20 10 57,4		2									
		S	ZNE	11 22											
	RAR	EP	ZNE	20 13 43		15									
		ES	ZNE	16 10											
		ET	ZNE	27 44											
	SBA	EP	ZNE	20 20 44		63									
JUL 14	AFI	IP	Z	09 13 39,3U											
		S	ZNE	09 13 39,3U		14 32									
JUL 14	14	19	45,9	23,3S 179,8W	588KM	4,7	S, OF FIJI								
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	RAD	P	Z	14 21 20		6									
		ES	Z	22 30											
	AFI	E(P)	Z	14 22 25		12									
		S	ZNE	14 28 24,0		55									
JUL 15	AFI	IP	Z	03 09 44,5U											
		S	ZNE	03 09 44,5U		10 37									

	H	M	S	EPICENTRE	DEPTH	MAG									
JUL 15	04	11	49,2	19,7S 178,4W	646KM	4,1	FIJI REGION								
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	EIP	Z	04 13 48		9									
		IS	VE	15 24,0											
	SBA	EP	ZNE	04 20 49		59									
JUL 15	21	12	33,0	30,4S 178,0W	40KM	4,3	KERMADEC REGION								
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	RAD	P	Z	21 12 51		1									
	SBA	EP	ZNE	21 21 11,5		48									
JUL 16	AFI	EIP	ZNE	01 03 33											
		S	ZNE	01 03 33		04 04									
JUL 16	04	47	37,2	5,3N 126,8E	75KM	5,4	MINDANAO								
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EP	ZNE	05 00 11		86									
JUL 16	05	22	13,1	17,6S 68,3E	33KM	5,1	INDIAN OCEAN								
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EP	ZNE	05 33 54		75									
JUL 16	08	16	33,3	52,2N 159,0E	69KM	5,8	KAMCHATKA								
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	S	ZNE	08 28 02		71									
		ES	ZNE	37 16											
		EL	VE	45 48											
		EL	ZN	48 24											
	RAR	EP	Z	08 29 33		81									
	SBA	EPKP	ZNE	08 35 55		130									
		EPP	ZNE	08 35 55		38 07,5									
JUL 16	12	39	26,2	4,7S 133,1E	85KM	4,6	NEW IRELAND								
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	EP	Z	12 46 20		36									
		ES	ZN	51 56											
		EL	ZNE	54 40											
	RAR	EP	Z	12 47 46		49									
	SBA	IP	ZNE	12 50 52,0		73									
JUL 16	22	59	09,3	59,2S 25,3W	33KM	4,8	SOUTH SANDWICH IS								
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EP	ZNE	23 07 08		43									
JUL 17	AFI	EP	ZNE	07 21 35											
		IS	ZNE	07 21 35		22 14,0									
JUL 17	09	18	17,8	20,9S 178,2W	190KM	4,5	FIJI REGION								
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	RAD	ES	Z	09 22 13		5									
	AFI	IP	Z	09 21 07,1D		9									
		ES	ZNE	22 55											
	SBA	EP	ZNE	09 27 48,5		57									
JUL 17	22	23	55,5	28,9S 178,8W	227KM	4,4	KERMADEC IS								
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG	
	RAD	IP	Z	22 24 28,7D		1									
	AFI	EP	Z	22 27 29		16									

		S	ZNE	30 13								
SBA		EP	ZNE	22 32 26.5	49							
H M S		EPICENTRE		DEPTH	MAG							
JUL 18	04 08 36.4	6.45 130.0E		145KM	5.3	BANDA SEA						
SBA		EP	ZNE	04 19 37	74							
H M S		EPICENTRE		DEPTH	MAG							
JUL 18	05 24 48.0	38.34 119.4E		33KM	7.3	N.E. CHINA						
AFI		EP	Z	03 37 12	83	-0.57						
IS		ES	Z	47 02								
ISS		E	ZNE	32 03.0	37.0							
ISS		ZN		50.0								
ILQ		VE		39 20.0								
ILR		Z		06 02 19.0								
RAD		EP	Z	05 37 45	89							
RAR		E(S)	VE	05 48 59	95							
EPS		VE		49 46								
ELQ		VE		06 03 36								
ELR		ZNE		08 20	35 21 32 21 38 21							
SBA		EPKP	ZNE	09 43 34	119							
EPP		ZNE		45 05.5								
EPS		ZNE		54 46								
ESS		ZNE		06 01 20								
ELR		ZNE		22 10								
H M S		EPICENTRE		DEPTH	MAG							
JUL 18	14 13 35.4	60.55 26.0W		40KM	5.7	SOUTH SANDWICH IS						
SBA		EP	ZNE	14 21 43	42							
AFI		IP	Z	22 31 54.0J								
S			ZNE	32 15								
H M S		EPICENTRE		DEPTH	MAG							
JUL 18	23 17 10.6	18.25 63.3W		19KM	5.6	BOLIVIA						
SBA		EP	ZNE	23 29 19	80							
H M S		EPICENTRE		DEPTH	MAG							
JUL 19	04 35 27.0	20.65 168.0E		17KM		LOYALTY IS						
SBA		EP	ZNE	04 45 16	57							
H M S		EPICENTRE		DEPTH	MAG							
JUL 19	04 54 54.1	17.35 72.5W		34KM	5.9	PERU						
SBA		IP	ZNE	05 06 56.0D	79	-0.93						
ES		ZNE		16 48								
ELQ		ZNE		28 34								
ELR		ZNE		31 30								
RAR		P	ZNE	05 07 08	81							
E		VE		16 40								
ES		VE		17 16								
ESP		Z		18 22								
EL		ZNE		32 27								
AFI		EP	Z	05 08 16	95							
EPP		Z		12 08								
ESCS		ZN		18 40								
ES		ZE		19 16								
ES		E		20 44								
ESS		E		25 00								
ESS		Z		56								
EL		V		34 40								
EL		ZE		37 56								

		H M S	EPICENTRE		DEPTH	MAG						
JUL 19	05 11 43.4	21.55 179.5W		639KM	5.0	FIJI REGION						
RAD		P	Z	05 13 37	5							
ES		Z		15 11								
AFI		IP	Z	05 14 00.9J	11							
S		ZNE		15 53								
RAR		P	ZNE	05 15 18	18							
SBA		EP	ZNE	05 20 30	57							
H M S		EPICENTRE		DEPTH	MAG							
JUL 19	09 03 06.3	59.25 25.1W		33KM	4.7	SOUTH SANDWICH IS						
SBA		EP	ZNE	09 11 05	43							
H M S		EPICENTRE		DEPTH	MAG							
JUL 19	17 56 24.9	27.55 176.6W		33KM	5.0	KERMADEC IS						
RAD		P	Z	17 37 00	2							
AFI		EP	Z	17 39 37.3	14	-0.96						
S		ZNE		18 02 04								
RAR		P	ZNE	18 00 07.3	17							
E		ZNE		02 56								
ES		Z		03 36								
ELQ		E		04 12								
ELR		ZNE		16 46								
ET		ZNE		16 38								
SBA		EP	ZNE	18 05 28	51							
AFI		E(S)	VE	20 33 16								
AFI		IP	Z	02 35 37.8J								
S		ZNE		37								
AFI		IP	Z	02 44 09.0D								
S		ZNE		28								
AFI		E(S)	ZNE	10 50 48								
H M S		EPICENTRE		DEPTH	MAG							
JUL 20	12 13 43.4	60.05 55.3W		33KM	5.1	DRAKE PASSAGE						
SBA		EP	ZNE	12 20 08	39							
H M S		EPICENTRE		DEPTH	MAG							
JUL 20	19 49 42.0	19.25 176.4W		20KM	5.2	TONGA REGION						
SUV		EP	Z	19 50 59	5							
AFI		EP	ZNE	19 51 19	7							
IS		VE		32 34.0	30 22							
RAR		EP	ZNE	19 53 19	16							
ES		Z		56 28								
EL		Z		56								
SBA		EP	ZNE	19 59 42	59							
AFI		IP	Z	20 08 11.0J								
S		ZNE		29								
H M S		EPICENTRE		DEPTH	MAG							
JUL 20	20 04 46.7	15.65 167.8E		196KM	5.3	NEW HEBRIDES						
RAD		EP	Z	20 08 56	19							
SBA		IP	ZNE	20 14 49.0J	62	-0.31						
AFI		EP	Z	20 17 51								
E(S)		VE		49 41								

AUG 05		SUV EP	Z	02 22 41						
AUG 05		H M S	EPICENTRE	DEPTH	MAG					
		02 13 09,6	1,3V 126,4E	34KM	5,1	MOLUCCAS				
			H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
RAD	EP	Z	02 23 38	61						
AFI	EP	ZNE	02 23 36	63						
	S	ZNE	32 00							
	ISS	ZNE	36 32							
	ILQ	V	39 40							
	ILR	ZE	40 04							
CBZ	EP	Z	02 23 46	65						
RAR	P	ZNE	02 24 06,90	75						
	ES	ZNE	34 46							
	ESS	ZNE	39 06							
	ELQ	V	45 12							
	ELR	ZNE	48 36							
SBA	IP	ZNE	02 25 48	J 82	-0,53					
	IPCP	ZNE	39							
	ES	ZNE	35 02							
	ESS	ZNE	40 00							
	ELQ	ZNE	47 00							
	ELR	ZNE	50 20							
AUG 05		H M S	EPICENTRE	DEPTH	MAG					
		03 20 32,4	1,2V 126,5E	47KM	5,1	MOLUCCAS				
			H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
SBA	EP	ZNE	03 33 09	82						
AUG 05		H M S	EPICENTRE	DEPTH	MAG					
		06 13 27,1	59,2S 1,3W	33KM	5,1	BOUVET I.				
			H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
SBA	EP	ZNE	06 21 37	47						
AUG 05		H M S	EPICENTRE	DEPTH	MAG					
		06 31 32,8	1,3V 126,5E	37KM	5,1	MOLUCCAS				
			H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
SBA	EP	ZNE	07 03 31	82						
AUG 05		H M S	EPICENTRE	DEPTH	MAG					
		13 03 23,3	1,3V 126,8E	18KM	5,2	MOLUCCAS				
			H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
AFI	EP	Z	13 14 12	63						
	ES	Z	22 00							
	ESSS	V	29 36							
	EL	Z	31 20							
	ELQ	Z	34 00							
SBA	EP	ZNE	13 15 43,3	82						
AUG 05		H M S	EPICENTRE	DEPTH	MAG					
		16 32 25,8	5,2S 133,8E	89KM	5,4	NEW IRELAND				
			H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
AFI	IP	Z	16 39 13	J + 33						
	S	ZN	44 41							
	IP	E	48							
	SS	ZNE	47 20							
	I	ZE	49 04							
RAD	E(P)	Z	16 39 27	36						
RAR	EP	Z	16 41 06	48						
	ES	ZNE	48 02							
	EL	ZNE	51 44							
CBZ	P	Z	16 41 34,5	49	-0,20					
SBA	EP	ZNE	16 43 49,3J +	73	-0,60					
	ES	ZNE	53 17							
	ESS	ZNE	58 00							

AUG 05		H M S	EPICENTRE	DEPTH	MAG					
		17 44 01,1	20,6S 169,4E	86KM	4,7	NEW HEBRIDES				
			H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
SBA	EP	ZNE	17 33 44	57						
AUG 06		AFI	IP	ZNE	04 21 20	D -				
	S	ZNE	20							
AUG 06		H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th colspan="5"></th>	EPICENTRE	DEPTH	MAG					
		14 39 23,7	58,0S 23,4W	85KM	4,6	SOUTH-SANDWICH IS.				
			H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
SBA	EP	ZNE	15 07 29	44						
AUG 07		H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th colspan="5"></th>	EPICENTRE	DEPTH	MAG					
		01 10 47,0	20,3S 176,9W	374KM	4,2	FIJI REGION				
			H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
AFI	EP	Z	01 13 48	5						
SBA	EP	ZNE	01 20 04,5	58						
AUG 07		H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th colspan="5"></th>	EPICENTRE	DEPTH	MAG					
		01 49 33,2	5,3S 154,1E	116KM	5,2	SOLOMON IS				
			H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
AFI	ES	ZNE	02 01 40	39						
	EL	ZN	04 20							
SBA	IP	ZNE	02 00 51	73						
	ES	ZNE	10 20							
	ELR	ZNE	23 49							
AUG 07		H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th colspan="5"></th>	EPICENTRE	DEPTH	MAG					
		06 08 39,6	5,3S 154,0E	129KM	4,9	SOLOMON IS				
			H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
SBA	EP	ZNE	06 20 16	73						
AUG 07		AFI	IP	ZNE	08 46 37,1J					
	IS	ZNE	57,1							
AUG 07		H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th colspan="5"></th>	EPICENTRE	DEPTH	MAG					
		09 33 09,1	20,7S 178,6W	630KM	4,4	FIJI REGION				
			H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
AFI	IP	ZNE	09 35 14,40	9						
	ES	ZNE	36 54							
AUG 07		AFI	IP	ZNE	14 17 59,1J					
	IS	ZNE	18 20							
AUG 08		H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th colspan="5"></th>	EPICENTRE	DEPTH	MAG					
		05 12 01,6	21,2S 68,6W	74KM	5,4	CHILE				
			H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
SBA	EP	ZNE	05 23 43	76						
AUG 08		H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th colspan="5"></th>	EPICENTRE	DEPTH	MAG					
		06 30 57,1	36,4N 70,9E	198KM	5,8	HINDU KUSH				
			H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
AFI	IPKP	Z	06 49 26,60	120						
SBA	IPKP	ZNE	06 49 37	0						
RAR	EPKP	Z	06 49 43	134						
AUG 08		H M S <th>EPICENTRE</th> <th>DEPTH</th> <th>MAG</th> <th colspan="5"></th>	EPICENTRE	DEPTH	MAG					
		11 08 14,8	47,7S 15,8W	33KM	5,9	S; ATLANTIC RIDGE				
			H M S	DIR DIS	LG _W /T	AZ TZ	AN TN	AE TE	MAG	
SBA	IP	ZNE	11 17 43	0	55	-0,75				
AFI	ES	ZNE	11 37 32	115						
	ESS	E	42 20							
	EL	ZN	12 01 28							

	H	M	S	EPICENTRE	DEPTH	MAG	
AUG 08	12	46	46,7	47,5S 15,7W	33KM	5,0	S; ATLANTIC RIDGE
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	SBA	EP	ZNE	12 56 16	55		AE TE MAG
AUG 08	12	53	08,7	47,7S 15,8W	33KM	4,8	S; ATLANTIC RIDGE
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	SBA	EP	ZNE	12 02 36	55		AE TE MAG
AUG 08	20	44	21,0	6,1S 129,7E	196KM	5,9	BANDA SEA
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	SUV	EP	Z	20 32 50	49		AE TE MAG
	AFI	IP	Z	20 53 56,4J	58		
		IS	ZNE	21 01 46			
		ISCS	ZE	03 12			
		ESSS	ZN	08 16			
	RAR	P	ZNE	20 55 12	70		
	SBA	IP	ZNE	20 35 38	J 74	-0,53	
		ES	ZNE	21 04 54			6,3
AUG 09	02	20	56,0	21,3S 179,6W	646KM	4,3	FIJI REGION
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	AFI	EP	Z	02 23 13	10		AE TE MAG
		ES	VE	25 11			
AUG 09	05	17	36,8	19,8S 178,0W	571KM	5,1	FIJI REGION
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	SUV	P	Z	05 18 59,4J	4		AE TE MAG
	AFI	EIP	ZNE	05 19 37	8		
		S	ZNE	21 12			
	RAD	EP	Z	05 19 46	9		
		ES	Z	21 34			
	RAR	P	ZNE	05 21 06,8	17		
AUG 09	10	04	28,9	22,1S 177,9W	390KM	4,3	S; OF FIJI
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	AFI	EP	ZNE	10 06 30	10		AE TE MAG
		ES	ZNE	08 13			
	RAR	P	ZNE	10 07 54	17		
AUG 09	AFI	IP	ZNE	13 54 17	J		
		S	ZNE	35 16			
AUG 10	AFI	IP	Z	04 05 00,2J			
AUG 10	SBA	EP	ZNE	05 09 40			
		EL	ZNE	15 00			
AUG 10	AFI	E(P)	Z	05 19 44	J		
		ES	VE	23 44			
		E	ZN	25 40			
AUG 10	AFI	EIP	ZNE	19 12 14,4			
		S	ZNE	13 47			
AUG 11	20	07	11,9	19,7S 11,7W	33KM	4,8	S; ATLANTIC RIDGE
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	SBA	EP	ZNE	20 19 33,5	83		AE TE MAG

	H	M	S	EPICENTRE	DEPTH	MAG	
AUG 11	20	16	39,0	20,1N 64,3W	33KM	4,9	N; ATLANTIC OCEAN
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	SBA	EPKP	ZNE	20 35 17	117		AE TE MAG
AUG 11	21	26	37,6	43,4N 147,9E	43KM	5,7	KURIL IS
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	SBA	EPKP	ZNE	21 45 28,5	122		AE TE MAG
AUG 11	21	27	39,4	43,5N 147,4E	28KM	7,1	KURIL IS
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	AFI	IP	ZNE	21 38 33	D 68		AE TE MAG
		IS	ZNE	47 25			
		ET	ZNE	22 52 53			
	RAD	EP	Z	21 39 51	79		
	RAR	EP	Z	21 39 51	81		
AUG 11	22	54	00,4	44,0N 148,3E	59KM	5,4	KURIL IS
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	SBA	EPKP	ZNE	23 12 50	122		AE TE MAG
AUG 11	23	52	36,9	1,7N 126,5E	34KM	6,1	MOLUCCAS
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	AFI	EI	ZNE	00 03 25	63		AE TE MAG
	RAR	EP	ZNE	24 04 41	75		
	SBA	ES	ZNE	24 15 35	82		
AUG 12	00	47	30,3	1,8N 126,2E	54KM	4,9	MOLUCCAS
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	SBA	EP	ZNE	00 59 49	83		AE TE MAG
AUG 12	02	21	53,0	1,7N 126,3E	67KM	5,0	MOLUCCAS
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	SBA	EP	ZNE	02 34 10	82		AE TE MAG
AUG 12	AFI	IP	ZNE	04 17 45	J	-0,90	
		ES	ZNE	19 14			
AUG 12	04	10	00,0	47,6S 15,2W	33KM	4,8	S; ATLANTIC RIDGE
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	SBA	EP	ZNE	04 19 27,5	59		AE TE MAG
AUG 12	04	53	36,5	43,3N 147,5E	33KM	5,7	KURIL IS
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	SBA	EPKP	ZNE	05 12 27,5	121		AE TE MAG
AUG 12	05	03	26,9	43,6N 147,6E	33KM	5,0	KURIL IS
				H M S	DIR	DIS	LG _W /T AZ TZ AN TN
	AFI	EP	ZNE	05 14 26	68		AE TE MAG
		IS	ZNE	23 24			
		E	VE	31 48			
		EL	ZNE	34 00			
	RAR	EP	Z	05 15 43	81		
		ES	ZNE	25 46			
		EL	ZNE	39 30			
	SBA	EPKP	ZNE	05 22 19	122		

	H	M	S	EPICENTRE	DEPTH	MAG									
AUG 12	05	33	28,2	43,7N 148,5E	33KM	5,4	KURIL IS								
				H M S	DIR	DIS	LG _a /T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EPKP	ZNE	06 12 22		122									
AUG 12	09	25	38,7	43,1N 147,6E	33KM	5,3	KURIL IS								
				H M S	DIR	DIS	LG _a /T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	ES	ZN	09 45 40		65									
		EL	ZNE	36 48											
AUG 12	11	21	21,6	43,9N 148,7E	29KM	5,4	KURIL IS								
				H M S	DIR	DIS	LG _a /T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	EP	ZNE	11 32 24		65									
		ES	ZNE	41 20											
		E	ZNE	51 20											
		EL	ZNE	52 02											
	RAR	EP	ZNE	11 33 35		80									
		ES	ZNE	43 41											
		EL	ZNE	57 30											
	SBA	EPKP	ZNE	11 40 15		122									
		EPKS	ZNE	44 00											
		EPS	ZNE	51 52											
		ESS	ZNE	58 22											
AUG 12	12	21	19,0	1,7N 126,3E	30KM	5,8	MOLUCCAS								
				H M S	DIR	DIS	LG _a /T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	EP	ZNE	12 31 41		63									
		ES	ZE	41 04											
		EL	ZNE	51 28											
		EL	ZE	54 00											
	SBA	EP	ZNE	12 33 40	U	82	-0,68							6,5	
AUG 12	13	18	08,2	43,5N 148,0E	33KM	5,6	KURIL IS								
				H M S	DIR	DIS	LG _a /T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EPKP	ZNE	13 37 01		122									
AUG 12		RAQ	EP	Z	18 10 45										
		AFI	IP	ZNE	18 12 20	D									
			S	ZNE	14 03										
AUG 12		AFI	EIP	ZNE	22 22 15		-0,87								
		RAQ	EP	Z	22 22 31										
AUG 12	23	05	37,1	43,3N 147,7E	33KM	5,0	KURIL IS								
				H M S	DIR	DIS	LG _a /T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	ES	ZN	23 26 24		69									
		EL	ZN	36 40											
AUG 12		RAQ	EP	Z	23 20 48										
		AFI	EP	ZNE	23 21 52										
			E(S)	ZNE	23 59										
AUG 13	03	29	14,1	43,5N 147,4E	33KM	5,5	KURIL IS								
				H M S	DIR	DIS	LG _a /T	AZ	TZ	AN	TN	AE	TE	MAG	
	SBA	EPKP	ZNE	03 48 06		122									
AUG 13	04	43	48,7	23,9S 177,0W	380KM	4,3	S; OF FIJI								
				H M S	DIR	DIS	LG _a /T	AZ	TZ	AN	TN	AE	TE	MAG	
	AFI	EP	ZNE	04 49 44		11									
		S	ZNE	47 35											

	RAR	EP	ZNE	04 46 46	16
		ES	ZNE	49 23,5	
		ET	ZNE	09 01 39	
	SBA	EP	ZNE	04 52 40	55
	H M S	EPICENTRE	DEPTH	MAG	
	08 31 32,2	44,0N 147,7E	33KM	5,6	KURIL IS
		H M S	DIR	DIS	LG _a /T
	AFI	ES	ZN	08 31 40	65
		EL	ZN	09 02 24	
	SBA	EPKP	ZNE	08 50 24,5	122
	AFI	EP	ZNE	14 21 22	
		S	ZNE	22 07	
		ET	ZNE	24 05	
	H M S	EPICENTRE	DEPTH	MAG	
	22 57 07,4	44,0N 148,1E	33KM	5,6	KURIL IS
		H M S	DIR	DIS	LG _a /T
	AFI	EP	ZN	23 08 24	65
		ES	ZN	17 12	
		EL	ZN	28 03	
	SBA	EPKP	ZNE	23 16 01	122
		EPS	ZNE	27 38	
		ESS	ZNE	34 50	
	H M S	EPICENTRE	DEPTH	MAG	
	00 29 32,3	1,6N 126,3E	33KM	5,4	MOLUCCAS
		H M S	DIR	DIS	LG _a /T
	SBA	EP	ZNE	00 41 52,5	82
	H M S	EPICENTRE	DEPTH	MAG	
	10 58 01,7	5,4S 152,0E	33KM	5,6	NEW BRITAIN
		H M S	DIR	DIS	LG _a /T
	AFI	ESS	VE	11 13 39	37
		EL	ZE	16 12	
	SBA	EP	ZNE	11 09 29,5	73
	H M S	EPICENTRE	DEPTH	MAG	
	14 19 01,6	43,1N 147,5E	33KM	6,1	KURIL IS
		H M S	DIR	DIS	LG _a /T
	AFI	EIP	ZNE	14 30 02	68
		ES	ZNE	39 20	
		ESS	ZN	44 12	
		ESSS	VE	47 08	
		ELQ	ZN	49 24	
	RAQ	EP	Z	14 31 07	79
	RAR	EP	ZNE	14 31 20	80
		ES	V	41 23	
		ESKS	ZE	41	
		EL	ZNE	35	
	SBA	EPKP	ZNE	14 37 53	121
		EPK	ZNE	39 26	
		ESKS	ZNE	45 10	
	AFI	EIP	ZNE	23 24 07	
		S	ZNE	36	
		T	ZNE	26 41	
	H M S	EPICENTRE	DEPTH	MAG	
	03 37 52,8	3,5S 144,4E	22KM	5,4	BISMARCK SEA
		H M S	DIR	DIS	LG _a /T
	AFI	ES	ZNE	03 52 40	44
		ESS	V	56 02	
		EL	ZE	58 56	
	SBA	EP	ZNE	03 49 37	75

	H	M	S	EPICENTRE	DEPTH	MAG	
AUG 15	04	32	00.4	43.0V 147.9E	33KM	5.6	KURIL IS
	AFI	ES		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
		BL		ZNE 04 52 27		68	
	SBA	EPKP		ZN 05 02 28			
				ZNE 04 50 52.5	121		
AUG 15	08	41	54.9	21.6V 143.0E	319KM	6.1	MARIANA IS
	AFI	IP		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
		IS		Z 08 31 08.1U		57	
		E		ZNE 08 39 39			
		E		Z 09 02 28			
		E		Z 05 12			
	RAR	IP		ZNE 08 52 37.9U	70	-0.73	
	SBA	EP		ZNE 08 55 08.3	100		
		ESKS		ZNE 09 05 18			
		EPS		ZNE 07 50			
		ESS		ZNE 13 10			
AUG 15	19	04	09.5	23.9S 180.0E	518KM	5.0	S, OF FIJI
	RAD	P		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
		ES		Z 19 05 47		5	
	AFI	IP		Z 07 11		12	
		S		Z 19 06 48.9D		12	
	RAR	IP		VE 08 37			
				ZNE 19 07 57.4D	19		
AUG 16				ZNE 03 43 43	0		
		IS		VE 45 19			
AUG 16	19	15	32.7	43.3V 147.0E	80KM	5.7	KURIL IS
	SBA	EPKP		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
				ZNE 19 34 20	121		
AUG 16				ZNE 19 25 22			
		(S)		ZNE 27 00			
AUG 16	18	27	53.7	22.7S 68.5W	102KM	5.0	N, CHILE
	SBA	EP		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
				ZNB 18 39 26	75		
AUG 17	07	20	11.6	29.5S 71.2W	91KM	4.9	CHILE
	SBA	EP		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
				ZNE 07 31 05	68		
AUG 17	10	10	29.8	7.0S 155.6E	66KM	5.1	SOLOMON IS
	AFI	EP		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
		EP		ZNE 10 16 58	33		
	SBA	EP		ZNE 10 21 43	71		
AUG 17	11	54	54.9	42.7V 141.4E	130KM	5.6	HOKKAIDO
	AFI	P		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
		EPKP		Z 12 06 00	71		
				ZNE 12 13 33	121		
AUG 17	12	31	46.9	2.5V 126.7E	40KM	5.3	MOLUCCAS
	SBA	EP		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
				ZNE 12 44 11.5	83		

	H	M	S	EPICENTRE	DEPTH	MAG	
	15	02	41.3	1.3V 122.6E	42KM	5.3	SULAWESI
	SBA	EP		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
				ZNE 15 15 01.5	83		
	16	07	43.7	18.0S 178.5W	610KM	4.9	FIJI REGION
	SUV	P		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
		IP		Z 16 09 02	3		
	AFI	IP		ZNE 16 09 36.2D	8		
		ES		ZNE 11 10			
	SBA	EP		ZNE 16 16 57	60		
	20	13	08.2	25.3V 109.2W	33KM	5.7	BAJA CALIFORNIA
	SBA	EPP		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
				Z 20 32 34	113		
	20	14	58.9	25.0V 109.5W	33KM	6.1	BAJA CALIFORNIA
	AFI	EP		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
		IPP		ZNE 20 24 28	72		
		IS		Z 26 32			
		IS		V 34 08			
		IS		ZE 30			
		I		V 35 56			
		I		ZE 36 16			
		ISS		ZE 40 12			
		ISSS		VE 43 02			
		ILQ		VE 45 00			
		ILR		ZNE 47 40			
	SBA	EPP		Z 20 34 23	113		
	01	04	04.7	56.0S 123.4W	33KM	5.1	S, PACIFIC OCEAN
	SBA	EP		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
		ES		ZNE 01 10 30	32		
		EL		ZNE 15 47			
		EL		ZNE 17 23			
	RAR	ES		ZNE 01 18 45	44		
		E		E 22 04			
		V		V 23 04			
		EL		Z 36			
	AFI	EP		Z 01 13 40	56		
		ES		ZN 21 36			
		E(SSS)		ZN 27 08			
		L		V 28 43			
	AFI	EIP		ZNE 02 14 50			
		L		ZNE 15 59			
		T		ZNE 21 48			
	SUV	P		Z 02 15 06			
	RAD	EP		Z 02 15 18			
	RAR	EP		ZNE 02 16 06			
		ES		ZNE 18 18			
		ET		ZNE 30 25			
	02	55	31.1	56.0S 122.7W	33KM	5.2	S, PACIFIC OCEAN
	SBA	EP		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
		EL		ZNE 03 01 56	32		
				ZNE 10 20			
	03	21	54.0	24.9V 109.0W	22KM	5.3	BAJA CALIFORNIA
	AFI	ES		H M S	DIR	DIS	LG _A /T AZ TZ AN TN AE TE MAG
				VE 03 43 00	72		

EL	NE	51 48							
EL	ZNE	54 32							
	H M S	EPICENTRE	DEPTH	MAG					
AUG 18	07 37 41.4	14.8S 167.3E	140KM	5.0	NEW HEBRIDES				
		H M S	DIR	DIS	LG _{A/T}	AZ	TZ	AN	TN
	RAJ EP	Z 07 42 03	20					AE	TE
	AFI EP	Z 07 42 09	20						MAG
	RAR EP	Z 07 43 36	32						
	SBA IP	ZNE 07 47 55.2J	63	-0.56					
	H M S	EPICENTRE	DEPTH	MAG					
AUG 18	14 09 45.9	29.1S 177.6W	60KM	5.3	KERMADEC REGION				
		H M S	DIR	DIS	LG _{A/T}	AZ	TZ	AN	TN
	RAJ IP	Z 14 09 57.7	0					AE	TE
	AFI EP	Z 14 13 32	16						MAG
	ES	ZNE 16 12							
	ET	ZNE 28 26							
	RAR EP	ZNE 14 13 49	18						
	ES	ZNE 16 47							
	SBA EP	ZNE 14 18 32.9	49						
	H M S	EPICENTRE	DEPTH	MAG					
AUG 19	01 05 29.9	21.8S 179.7W	649KM	4.4	FIJI REGION				
		H M S	DIR	DIS	LG _{A/T}	AZ	TZ	AN	TN
	SBA EP	ZNE 01 14 15	56					AE	TE
	H M S	EPICENTRE	DEPTH	MAG					
AUG 19	01 39 08.3	6.1S 105.3E	30KM	5.1	H, JAVA				
		H M S	DIR	DIS	LG _{A/T}	AZ	TZ	AN	TN
	SBA EP	ZNE 01 51 04.5	78					AE	TE
	H M S	EPICENTRE	DEPTH	MAG					
AUG 19	02 12 48.5	10.4S 161.5E	70KM	5.0	SOLOMON IS				
		H M S	DIR	DIS	LG _{A/T}	AZ	TZ	AN	TN
	SBA EP	ZNE 02 23 39	67					AE	TE
	AUG 19	AFI EP	ZNE 06 32 30						
		S	ZNE 53 00						
		T	ZNE 54 58						
	H M S	EPICENTRE	DEPTH	MAG					
AUG 19	07 53 59.3	20.4S 177.8W	549KM	4.7	FIJI REGION				
		H M S	DIR	DIS	LG _{A/T}	AZ	TZ	AN	TN
	AFI EP	ZNE 07 55 57	9					AE	TE
	S	ZNE 57 30							MAG
	SBA EP	ZNE 08 03 02	58						
	H M S	EPICENTRE	DEPTH	MAG					
AUG 19	08 49 54.8	43.6V 148.2E	39KM	5.7	KURIL IS				
		H M S	DIR	DIS	LG _{A/T}	AZ	TZ	AN	TN
	AFI EP	Z 09 01 04	65					AE	TE
	ES	ZE 09 52							MAG
	ES	V 10 24							
	ESSS	VE 17 36							
	EL	Z 20 12							
	EL	V 36							
	SBA EPKP	ZNE 09 08 46	122						
	EPP	ZNE 10 26							
	ESKS	ZNE 19 49							
	EPS	ZNE 20 25							
	AUG 19	AFI (P)	ZNE 11 40 34						
		(S)	ZNE 42 45						

	H M S	EPICENTRE	DEPTH	MAG					
AUG 19	15 40 39.9	41.9S 71.2W	14KM	5.0	S; ANDES				
		H M S	DIR	DIS	LG _{A/T}	AZ	TZ	AN	TN
	SBA EP	ZNE 15 50 17	56					AE	TE
	H M S	EPICENTRE	DEPTH	MAG					
AUG 19	17 26 07.3	56.7S 142.1W	33KM	4.4	PACIFIC-ANTARCTIC RIDGE				
		H M S	DIR	DIS	LG _{A/T}	AZ	TZ	AN	TN
	SBA EP	ZNE 17 31 57.5	27					AE	TE
	ES	ZNE 36 33							MAG
	EL	ZNE 37 40							
	AFI ES	ZNE 17 41 48	48						
	ESS	ZNE 45 12							
	ESSS	NE 46 03							
	ELQ	ZN 47 32							
	AUG 20	AFI IP	Z 04 55 17	0					
		ES	NE 56 51						
	H M S	EPICENTRE	DEPTH	MAG					
AUG 20	07 50 05.5	47.9S 153.6E	73KM	5.8	KURIL IS				
		H M S	DIR	DIS	LG _{A/T}	AZ	TZ	AN	TN
	AFI IP	Z 08 01 03.3	69					AE	TE
	ES	ZNE 10 04							MAG
	ESSS	NE 17 04							
	EL	ZNE 21 08							
	RAR EP	Z 08 32 10	81						
	SBA EPKP	ZNE 08 08 58	126						
	EPS	ZNE 20 47							
	H M S	EPICENTRE	DEPTH	MAG					
AUG 20	17 22 13.7	5.3S 149.7E	27KM	4.8	NEW BRITAIN				
		H M S	DIR	DIS	LG _{A/T}	AZ	TZ	AN	TN
	AFI EP	Z 17 29 45	39					AE	TE
	ES	ZNE 35 40							MAG
	EL	ZNE 38 39							
	RAR EP	Z 17 31 30	51						
	SBA EP	ZNE 17 33 43.5	73						
	AUG 20	AFI IP	Z 19 34 58.20						
	IS	ZNE 35 36							
	AUG 20	AFI EP	Z 23 08 07						
	S	ZNE 51							
	ET	ZNE 11 32							
	H M S	EPICENTRE	DEPTH	MAG					
AUG 21	10 27 31.0	59.9S 27.7W	126KM	5.1	SOUTH SANDWICH IS				
		H M S	DIR	DIS	LG _{A/T}	AZ	TZ	AN	TN
	SBA EP	ZNE 10 35 13.5	42					AE	TE
	H M S	EPICENTRE	DEPTH	MAG					
AUG 21	14 25 31.5	23.2V 110.6W	15KM	5.3	BAJA CALIFORNIA				
		H M S	DIR	DIS	LG _{A/T}	AZ	TZ	AN	TN
	AFI EP	ZNE 14 46 40	70					AE	TE
	EL	ZNE 57 32							MAG
	H M S	EPICENTRE	DEPTH	MAG					
AUG 21	19 22 20.9	18.1S 177.7W	385KM	4.0	FIJI REGION				
		H M S	DIR	DIS	LG _{A/T}	AZ	TZ	AN	TN
	SUV IP	Z 19 23 32	J	4	0.50			AE	TE
	ES	Z 24 30							MAG
	AFI IP	ZNE 19 24 00	U	7					
	S	ZNE 25 17							
	RAJ ES	Z 19 26 49	11						
	RAR EP	ZNE 19 25 57	17						
	SBA EP	ZNE 19 31 52	60						

	H	M	S	EPICENTRE	DEPTH	MAG										
AUG 22	07	41	17.3	20.9S 178.7W	592KM	4.8	FIJI REGION									
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG		
	SUV	P	Z	07 42 40												
	AFI	IP	ZNE	07 43 28.80		10	-0.95									
		IS	ZNE	45 15												
	SBA	EP	ZNE	07 30 12		57										
AUG 22	AFI	EP	ZNE	10 01 40												
		S	ZNE	02 44												
AUG 22	10	04	36.4	23.3N 110.4W	11KM	5.3	BAJA CALIFORNIA									
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG		
	AFI	EP	ZNE	10 25 12		71										
		EL	ZNE	36 04												
AUG 22	15	45	04.7	7.6S 156.0E	80KM	3.1	SOLOMON IS									
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG		
	AFI	EP	ZNE	15 31 28.5		32	-1.20							5.6		
		E(L)	NE	59 08												
		EL	Z	16 00 11												
	RAR	EP	Z	16 33 14		45										
	SBA	EP	ZNE	16 56 15		70										
AUG 22	17	34	20.1	16.1S 174.1W	192KM	4.9	TONGA									
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG		
	AFI	IP	ZNE	17 35 06.5		3										
		S	ZNE	37												
	SUV	P	Z	17 36 12		7										
	RAR	P	ZNE	17 37 39.8		14	-0.81									
		E	Z	38 10												
		ES	ZNE	40 16												
		ET	ZNE	48 15												
	SBA	IP	ZNE	17 44 30		U	63	-1.23						5.8		
AUG 22	23	34	11.9	18.4S 168.4E	41KM	4.7	NEW HEBRIDES									
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG		
	AFI	EP	ZNE	23 58 41		20										
		E	Z	52												
		ES	ZNE	24 03 56												
	SBA	EP	ZNE	24 04 14		59										
AUG 23	01	42	32.8	15.5S 173.0W	33KM	5.0	TONGA									
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG		
	AFI	IP	ZNE	01 43 18		2										
		S	ZNE	41												
	SBA	EP	ZNE	01 33 19		63										
AUG 23	07	34	27.1	7.6S 156.3E	55KM	3.0	SOLOMON IS									
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG		
	AFI	EP	ZNE	08 00 53		32										
AUG 23	AFI	EP	ZNE	10 34 14												
		ES	ZNE	35 22												
AUG 23	19	05	11.8	53.5S 25.9E	33KM	5.2	S. OF AFRICA									
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG		
	SBA	EP	ZNE	19 13 40.5		47										

	H	M	S	EPICENTRE	DEPTH	MAG										
AUG 24	09	31	26.2	61.3S 154.2E	15KM	5.1	BALLENY IS									
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG		
	SBA	IP	ZNE	09 35 26.8		17										
		EL	ZNE	39 30												
	AFI	ES	ZNE	09 48 24		53										
		ESS	E	52 56												
		EL	ZN	55 56												
AUG 24	RAD	EP	Z	09 55 41												
	AFI	IP	ZNE	09 56 00		J										
		ES	ZNE	59												
AUG 24	RAD	EP	Z	17 38 47												
		ES	Z	40 10												
	AFI	P	ZNE	17 39 05												
		S	ZNE	40 33												
	RAR	P	ZNE	17 40 14.5												
		ES	ZNE	42 36												
		ET	ZNE	54 30												
AUG 25	AFI	IP	Z	05 31 39.8U												
		S	VE	32 24												
AUG 25	AFI	EP	Z	18 20 10												
		IS	VE	21 03												
AUG 25	21	32	13.5	0.4N 126.0E	33KM	3.1	MOLUCCAS									
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG		
	SBA	EP	ZNE	21 44 28.0		81										
AUG 26	09	26	39.8	18.0S 176.2W	33KM	4.8	FIJI REGION									
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG		
	AFI	EP	Z	09 28 03		6										
		ES	ZNE	29 16												
	SBA	EP	ZNE	09 36 49		60										
AUG 26	16	58	02.3	5.8S 151.2E	59KM	5.6	NEW BRITAIN									
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG		
	AFI	IP	Z	17 05 11.30		37	-0.76							6.1		
		ES	ZNE	10 56												
		E(L)	ZNE	13 48												
	SBA	EP	ZNE	17 09 24		72										
		ES	ZNE	18 45												
AUG 26	19	13	13.1	6.1S 148.0E	88KM	4.9	NEW BRITAIN									
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG		
	AFI	IP	Z	19 20 55		D	45	-0.93						5.9		
		ESS	ZN	30 08												
		EL	ZE	33 08												
	SBA	EP	ZNE	19 24 32.5		72										
AUG 26	20	28	05.6	15.4S 173.3W	55KM	5.4	TONGA									
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG		
	AFI	IP	ZNE	20 28 35		U	2									
		(S)	VE	52												
	SBA	IP	ZNE	20 38 32		63										
AUG 28	13	34	11.0	31.5S 177.9W	29KM	3.3	KERMADEC IS									
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG		
	RAD	P	Z	13 34 46		2										

AUG 31	AFI IP ES	Z 17 59 39.6J ZNE 56 91	
AUG 31	H M S 19 58 17.4	EPICENTRE DEPTH MAG 18.2S 168.1E 32KM 4.9 NEW HEBRIDES	
	AFI EP ES	Z 20 02 49 ZNE 08 04	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
	SBA EP	ZNE 20 08 21.5	60
AUG 31	H M S 20 48 22.6	EPICENTRE DEPTH MAG 19.8S 177.9W 400KM 4.5 FIJI REGION	
	AFI EIP IS	Z 20 50 15 ZNE 51 44	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
	RAO EP ES	Z 20 50 31 Z 52 15	9
	SBA EP	ZNE 20 37 41.5	59
SEP 01	H M S 05 22 29.9	EPICENTRE DEPTH MAG 20.5S 174.4W 33KM 4.3 TONGA	
	AFI EP (S)	Z 05 24 03 ZNE 25 16	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
	S	ZNE 30	
	ET	ZNE 30 50	
	RAR EP	ZNE 05 25 28	14
SEP 01	H M S 08 14 53.1	EPICENTRE DEPTH MAG 58.9S 149.1E 33KM 5.1 W. OF MACQUARIE I.	
	SBA EP ES	ZNE 08 19 26.5 ZNE 23 21	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
	EL	ZNE 24 27	
	AFI EP ELQ	ZNE 08 31 56 VE 37 52	53
	ELR	ZN 40 48	
SEP 01	H M S 12 09 24.8	EPICENTRE DEPTH MAG 30.6S 177.5W 33KM 4.7 KERMADEC REGION	
	RAO P AFI EP (S)	Z 12 09 45 Z 12 13 26 VE 16 32	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
	ET	ZNE 30 45	17
SEP 01	H M S 18 13 39.3	EPICENTRE DEPTH MAG 18.6S 175.7W 301KM 4.5 TONGA	
	AFI EIP IS	Z 18 14 54.3 VE 15 56.0	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
SEP 02	H M S 02 06 18.2	EPICENTRE DEPTH MAG 31.4S 177.0W 26KM 5.1 KERMADEC IS	
	RAO P RAR P AFI EP E(S)	Z 02 06 52 ZNE 02 10 28.5 Z 02 10 31 NE 13 30	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
	ET	ZNE 28 10	18
	SBA EP	ZNE 02 14 52	47
SEP 02	H M S 03 47 09.1	EPICENTRE DEPTH MAG 27.7S 66.5W 174KM 5.2 ANDES	
	SBA EP	ZNE 03 58 02	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
			70

SEP 02	AFI IP S	Z 12 16 26.5U VE 17 11	
SEP 02	H M S 16 35 40.8	EPICENTRE DEPTH MAG 17.8S 72.1W 36KM 5.0 PERU	
	SBA EP	Z 16 47 43 79	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
SEP 02	H M S 17 52 37.5	EPICENTRE DEPTH MAG 33.2S 179.8E 162KM 4.2 S. OF KERMADEC IS	
	RAO EP ES	Z 17 53 32 Z 54 15	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
	AFI EP ES	Z 17 56 57 E 18 00 26	21
	SBA EP	ZNE 18 00 40.2	45
SEP 02	H M S 20 27 01.1	EPICENTRE DEPTH MAG 30.5S 178.0W 16KM 4.3 KERMADEC REGION	
	RAO IP AFI EP ES	Z 20 27 23.0 Z 20 30 07 E 33 03	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
			17
SEP 02	H M S 20 39 39.9	EPICENTRE DEPTH MAG 55.6S 26.9W 33KM 5.4 SOUTH SANDWICH IS	
	SBA EP	ZNE 20 48 05	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
			47
SEP 02	AFI EIP S	Z 22 26 57.7 VE 28 31	
SEP 03	H M S 00 49 38.9	EPICENTRE DEPTH MAG 17.5S 167.9E 28KM 4.8 NEW HEBRIDES	
	SBA EP	ZNE 00 58 48	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
			60
SEP 03	H M S 01 52 00.8	EPICENTRE DEPTH MAG 4.4N 128.4E 58KM 5.2 HALMAHERA	
	SBA EP	ZNE 01 44 30	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
			85
SEP 03	H M S 05 13 47.7	EPICENTRE DEPTH MAG 31.9S 178.0W 141KM 4.4 KERMADEC IS	
	RAO EP AFI EP	Z 05 15 10 Z 05 17 56	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
			3
			19
SEP 03	AFI IP S	Z 14 31 30.0J VE 51	
SEP 03	H M S 16 20 21.5	EPICENTRE DEPTH MAG 31.5N 140.2E 16KM 5.3 S. OF HONSHU	
	AFI ES EL	ZNE 16 40 00 ZNE 50 00	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
			64
SEP 04	H M S 03 08 52.0	EPICENTRE DEPTH MAG 46.6N 153.5E 33KM 5.4 KURIL IS	
	AFI EP ES E EL	Z 03 19 48 ZNE 28 52 E 36 44 ZNE 39 16	DIR DIS LGW/A/T AZ TZ AN TN AE TE MAG
	SBA EPXP	ZNE 03 27 48	68
			124
SEP 04	AFI EP	Z 13 36 05	

	H	M	S	EPICENTRE	DEPTH	MAG											
SEP 07	15	12	31,9	17,65 175,5W	328KM	4,2	TONGA										
	AFI	EP		Z	12 32 39	5											
		IS		NE	14 39,0												
	RAR	EP		Z	15 16 36,5	15											
SEP 08	AFI	P		Z	00 53 53												
SEP 08	12	45	34,6	5,15 153,4E	47KM	5,2	NEW IRELAND										
	AFI	EP		Z	12 52 39	33											
		ES		ZE	38 02												
		E(SSS)		ZNE	13 00 40												
		EL		ZE	03 07												
	SBA	EP		ZNE	12 57 02,5	73											
SEP 09	05	15	37,7	35,7V 137,0E	29KM	5,5	HONSHU										
	AFI	EP		Z	05 26 53	69											
		ES		ZNE	36 03												
		ESSS		ZNE	43 48												
		EL		ZNE	47 00												
	SBA	EPKP		ZNE	05 34 15	115											
		EPP		ZNE	35 17												
SEP 09	15	23	10,8	4,4S 105,9W	33KM	5,2	E; PACIFIC OCEAN										
	SBA	IP		ZNE	15 35 45,0	83											
SEP 09	SUV	EP		Z	21 58 04												
SEP 10	AFI	E(P)		Z	09 12 47												
		E(S)		ZNE	14 15												
SEP 10	AFI	EP		Z	14 33 10												
		L		NE	37												
		T		ZNE	35 10												
SEP 11	12	31	32,4	18,7S 175,8W	250KM	4,4	TONGA										
	SUV	EP		Z	12 32 58	5											
	AFI	EP		Z	12 32 55	5											
		S		NE	33 59												
SEP 11	18	56	19,2	25,6S 179,5E	567KM	4,3	S; OF FIJI										
	AFI	EP		Z	18 39 38	14											
		E(S)		ZNE	19 02 36												
SEP 12	02	18	48,6	17,9S 178,5W	597KM	4,2	FIJI REGION										
	AFI	EP		Z	02 20 44	5											
		E(S)		NE	22 15												
SEP 12	03	14	44,9	18,6S 174,9W	134KM	5,1	TONGA										
	AFI	EP		Z	03 19 59	5											
		S		ZNE	16 53												
	SUV	EP		Z	03 16 23	6											

	RAR	P		ZNE	03 18 00	14											
		ES		ZNE	20 28												
		ECT		ZNE	32 00												
	SBA	EP		ZNE	03 24 40	60											
SEP 12	08	00	18,8	51,1V 179,3W	49KM	5,2	ALEUTIAN IS										
	AFI	ES		V	08 20 07	65											
		EL		ZN	30 04												
SEP 12	08	57	07,3	51,2V 179,2W	48KM	5,0	ALEUTIAN IS										
	AFI	EP		Z	09 07 48	65											
		ES		ZNE	16 28												
		ESSS		ZNE	20 28												
		ESSS		ZE	23 24												
		EL		ZN	26 16												
	SUV	EP		Z	09 08 11	69											
	RAR	ESKS		ZN	09 18 12	74											
		ES		E	59												
		ESSS		V	22 32												
		EL		ZNE	30 00												
	SBA	EPKP		ZNE	09 16 10	129											
		EPKS		ZNE	19 30												
		ESS		ZNE	35 39												
		ESSS		ZNE	40 00												
		ELR		ZNE	58 12												
SEP 12	15	00	18,8	51,3V 179,2W	53KM	5,6	ALEUTIAN IS										
	AFI	ES		ZN	15 19 48	65											
		EL		ZN	29 52												
	SBA	EPKP		ZNE	15 19 21	129											
SEP 12	AFI	EP		Z	22 58 57												
		ES		NE	59 49												
		ET		ZNE	23 03 53												
SEP 13	00	34	38,4	24,5S 179,9E	579KM	4,9	S; OF FIJI										
	RAD	IP		Z	00 35 59,8	5											
	SUV	P		Z	00 36 13	6											
	AFI	IP		Z	00 37 17,00	13											
		IS		NE	39 30,0												
	SBA	IP		ZNE	00 43 09,0U	54	-1,11										5,3
SEP 13	10	32	58,0	22,9S 68,4W	106KM	5,4	N; CHILE										
	SBA	IP		ZNE	11 04 27,00	75	-1,11										
SEP 13	AFI	EP		Z	19 00 10												
		S		NE	30												
SEP 14	AFI	IP		Z	09 11 23,20												
		(S)		NE	12 05												
SEP 14	10	02	20,2	6,3V 125,3E	35KM	5,3	MINDANAO										
	AFI	EP		Z	10 13 04,3	66											
		EL		Z	33 40												

	H	M	S	EPICENTRE	DEPTH	MAG									
SEP 14	14	27	59.1	22,15 179,7W	600KM	4,7	S	OF FIJI							
	AFI	EIP		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
		IS		Z	14 30 20,5	11	-1,26								
	SBA	EP		VE	32 17,0										
				ZNE	14 36 41	56									
SEP 14	14	46	21.1	39,6V 74,9E	33KM	5,1	N	TIBET							
	AFI	EPKP		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
				Z	15 05 17	117									
SEP 14	16	15	24.8	39,7V 74,9E	33KM	5,5	N	OF TIBET							
	AFI	EPKP		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
				Z	16 34 09	117									
	SBA	EPKP		ZNE	16 34 29	129									
SEP 15	07	14	25.8	18,6S 69,0W	177KM	5,2	N	CHILE							
	SBA	EP		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
				Z	07 26 10	79									
SEP 15	AFI	EP		Z	13 19 13										
		E(S)		VE	21 32										
SEP 15	14	45	42.0	51,9V 175,9E	90KM	5,2		ALEUTIAN IS							
	AFI	EP		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
				ZNE	15 01 16	66									
	SBA	EPKP		ZN	15 36										
				ZNE	19 04 46,2	130									
SEP 16	00	34	09.0	22,8S 176,7W	246KM	4,1	S	OF FIJI							
	SUV	EP		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
				Z	00 35 32	6									
	RAO	EP		Z	00 35 41	7									
		ES		Z	36 37										
		E?		Z	37 10										
	AFI	EP		Z	00 36 10	10									
		E(S)		ZNE	37 46										
		(S)		VE	36 36										
	RAR	EP		ZNE	00 37 27	16									
		ES		ZNE	40 00,5										
		ET		ZNE	52 00										
SEP 16	02	06	02.1	36,8S 72,4W	59KM	4,5		CHILE							
	SBA	EP		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
				ZNE	02 16 07	60									
SEP 16	14	30	00.0	37,3V 116,5W	9KM	6,2		NEVADA							
	RAR	P		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
				ZNE	14 41 22,1	71	-0,22			7,0					
	AFI	EP		Z	14 41 30,5U	73	-0,78			6,5					
		EL		ZNE	15 03 04										
	SUV	EP		Z	14 42 24	82									
	SBA	EPKP		ZNE	14 48 58	123									
SEP 16	15	34	15.2	61,6S 194,0E	31KM	5,3		BALLENY IS							
	SBA	EP		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
				ZNE	15 38 04,5	17									
		EL		ZNE	42 30										

	H	M	S	EPICENTRE	DEPTH	MAG									
SEP 17	01	23	54.1	59,0S 24,8E	33KM	3,1		SOUTH SANDWICH IS							
	SBA	EP		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
				ZNE	01 31 53	41									
SEP 17	17	56	45.9	22,5S 173,4E	104KM	4,2		LOYALTY IS							
	SUV	EP		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
		ES		Z	17 58 09	6									
	SBA	EP		Z	59 22										
				ZNE	18 06 12	55									
SEP 17	CBZ	P		Z	18 30 16										
SEP 17	18	40	45.8	31,1V 131,3E	8KM	6,2		KYUSHU							
	SUV	EP		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
				Z	18 51 40	67									
	AFI	EIP		Z	19 52 05	71									
		ES		ZNE	19 01 20										
		EL		V	11 08										
	RAR	EP		Z	13 32										
		ES		ZNE	18 33 14	84									
	SBA	EPKP		Z	19 03 53										
				ZNE	18 59 27	111									
SEP 17	18	43	48.7	56,2S 27,1W	33KM	4,9		SOUTH SANDWICH IS							
	SBA	EP		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
				ZNE	18 52 10	46									
SEP 17	18	51	07.8	31,2V 131,4E	23KM	5,5		KYUSHU							
	SBA	EPKP		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
				Z	19 10 18	111									
SEP 18	05	07	36.1	25,3S 179,6E	525KM	4,1	S	OF FIJI							
	RAO	P		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
				Z	05 08 59	5									
	AFI	EP		Z	05 10 32	14									
		ES		VE	12 52										
	RAR	EP		ZNE	09 11 26	19									
SEP 18	SUV	EP		Z	10 45 02										
				Z	10 45 14										
	AFI	EP		VE	46 37										
		E(S)		Z	10 46 34										
	RAR	EP		ZNE	49 00										
		ES		ZNE	11 00 36										
		ET													
SEP 18	11	37	33.0	3,2S 136,4E	90KM	5,4		WEST IRIAN							
	AFI	EP		H M S	DIR DIS	LG _A /T	AZ TZ	AN TN	AE TE	MAG					
				Z	12 06 47	52									
	SBA	EP		ZNE	12 09 19	76									
SEP 18	AFI	EIP		Z	17 04 13.1										
		(S)		VE	53										
		(T)		ZNE	07 14										
SEP 18	SUV	EP		Z	22 34 45										
				Z	22 59 03										
	AFI	EP		VE	56 25										
		(S)		ZNE	22 56 30,6D										
	RAR	P		E	58 59										
		ES		ZNE	59 04										

	ET	ZNE 23 10 43							
	RAO P	Z 22 96 31							
SEP 18	AFI E	VE 23 47 40							
AUG 19	AFI E	ZNE 00 36 03,0							
	E	ZNE 22 96 31							
SEP 19	H M S	EPICENTRE DEPTH MAG							
	00 47 44,7	17,05 177,0W 45KM 4,3 FIJI REGION							
	AFI EP	H M S DIR DIS LG _W /T AZ TZ AN TN AE TE MAG							
	I	ZNE 00 49 40 5							
		ZNE 50 07,0							
SEP 19	H M S	EPICENTRE DEPTH MAG							
	01 29 37,4	6,1V 125,4E 95KM 5,7 MINDANAO							
	AFI EP	H M S DIR DIS LG _W /T AZ TZ AN TN AE TE MAG							
	ES	Z 01 40 18,9 69							
	ESSS	ZNE 49 28							
	EL	VE 37 00							
	RAR EP	ZE 02 00 52							
	SBA EP	ZNE 01 41 33 78							
	ES	ZNE 01 42 12,5 87 =0,29							6,8
		ZNE 52 44							
SEP 19	H M S	EPICENTRE DEPTH MAG							
	03 39 57,0	55,9S 27,8W 65KM 5,4 SOUTH SANDWICH IS							
	SBA EP	H M S DIR DIS LG _W /T AZ TZ AN TN AE TE MAG							
		ZNE 03 48 17 U 46 =1,23							5,7
SEP 19	H M S	EPICENTRE DEPTH MAG							
	06 49 48,9	17,4S 177,2W 206KM 4,2 FIJI REGION							
	AFI EP	H M S DIR DIS LG _W /T AZ TZ AN TN AE TE MAG							
	I(P)	Z 06 51 20 5							
	RAO EP	VE 54,0							
		Z 06 52 18 12							
SEP 19	H M S	EPICENTRE DEPTH MAG							
	07 08 53,9	4,6S 153,2E 81KM 4,9 NEW IRELAND							
	SBA EP	H M S DIR DIS LG _W /T AZ TZ AN TN AE TE MAG							
		ZNE 07 20 21 74							
SEP 19	H M S	EPICENTRE DEPTH MAG							
	07 25 33,2	20,3S 178,0W 424KM 3,8 FIJI REGION							
	SUV EP	H M S DIR DIS LG _W /T AZ TZ AN TN AE TE MAG							
	AFI EP	Z 07 27 04 4							
	ES	Z 07 27 46,1 9							
		ZNE 29 23							
SEP 19	H M S	EPICENTRE DEPTH MAG							
	12 23 46,1	22,5S 179,8W 600KM 4,7 S, OF FIJI							
	SUV EP	H M S DIR DIS LG _W /T AZ TZ AN TN AE TE MAG							
	RAO P	Z 12 25 13 5							
	ES	Z 12 25 30 7							
	AFI EIP	Z 27 02							
	S	Z 12 26 13,4 11 =1,22							
		ZNE 28 12							
SEP 19	H M S	EPICENTRE DEPTH MAG							
	14 28 13,1	34,4S 179,0W 46KM 4,4 S, OF KERMADEC IS							
	RAO P	H M S DIR DIS LG _W /T AZ TZ AN TN AE TE MAG							
	AFI EP	Z 14 29 30 5							
		Z 14 32 59 21							
SEP 19	AFI EP	Z 16 52 59							
	ES	VE 53 56							
	ET	ZNE 55 53							

SEP 19	AFI EIP	Z 21 19 14,2							
	S	VE 34							
	T	ZNE 21 13							
	H M S	EPICENTRE DEPTH MAG							
SEP 20	05 08 37,6	58,3V 32,2W 33KM 5,6 N, ATLANTIC OCEAN							
	AFI E	H M S DIR DIS LG _W /T AZ TZ AN TN AE TE MAG							
	ESS	Z 09 40 08 125							
	EL	ZN 42 07							
	EL	ZNE 47 16							
		E 06 01 32							
		ZN 07 04							
SEP 20	AFI IP	Z 13 46 03,0J							
	H M S	EPICENTRE DEPTH MAG							
SEP 20	15 26 41,5	1,8V 101,0W 33KM 5,5 EAST PACIFIC OCEAN							
	RAR ES	H M S DIR DIS LG _W /T AZ TZ AN TN AE TE MAG							
	ELQ	E 15 45 32 62							
	ELR	V 33 40							
	EL	ZE 55 30							
	AFI IP	Z 15 38 04,3D 72 =-1,03							6,1
	ES	ZNE 47 52							
	ESSS	V 55 48							
	EL	ZNE 59 24							
	EPS	ZNE 15 39 48 92							
	EP	ZNE 57 30							
SEP 21	H M S	EPICENTRE DEPTH MAG							
	02 00 34,3	23,6S 68,1W 120KM 5,9 N, CHILE							
	SBA EP	H M S DIR DIS LG _W /T AZ TZ AN TN AE TE MAG							
		ZNE 02 12 19 74							
SEP 21	H M S	EPICENTRE DEPTH MAG							
	07 11 53,6	17,5S 174,7W 235KM 5,3 TONGA							
	AFI IP	H M S DIR DIS LG _W /T AZ TZ AN TN AE TE MAG							
	IS	Z 07 12 59,0JUNE 3							
	SUV P	Z 07 13 32 7							
	RAR IP	ZNE 07 15 08,7JUNE 15 =-0,16							
	SBA EP	ZNE 07 21 46 61							
SEP 21	H M S	EPICENTRE DEPTH MAG							
	16 36 41,9	56,6S 146,8E 33KM N, OF MACQUARIE I,							
	CBZ P	H M S DIR DIS LG _W /T AZ TZ AN TN AE TE MAG							
	ES	Z 13 17 11 14							
	SBA EP	Z 95							
		ZNE 16 41 35 22							
SEP 21	AFI E(P)	Z 21 04 06							
	E(S)	ZNE 08 12							
	EL	ZN 10 16							
SEP 22	H M S	EPICENTRE DEPTH MAG							
	01 40 20,8	5,6S 68,1E 14KM 5,1 INDIAN OCEAN							
	AFI ES	H M S DIR DIS LG _W /T AZ TZ AN TN AE TE MAG							
	ES	VE 02 10 40 115							
	E(SS)	Z 11 24							
	EL	V 16 56							
		ZE 29 40							
SEP 22	H M S	EPICENTRE DEPTH MAG							
	01 46 13,5	2,9V 95,9E 33KM 5,3 N, SUMATRA							
	SBA EP	H M S DIR DIS LG _W /T AZ TZ AN TN AE TE MAG							
	ES	ZNE 01 59 12,5 89							
	AFI E(SS)	ZNE 02 09 30 93							
		E 02 17 04							

SEP 22	H M S	EPICENTRE	DEPTH	MAG	DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG	
SEP 22	03 52 37,4	2,9N 95,9E	33KM	5,3	N; SUMATRA	
	SBA EP	4 M S		89		
	AFI ES	NE 04 05 31		93		
SEP 22	AFI 1P	Z 12 30 30,4U		-0,54		
	IS	ZNE 51 11,0				
SEP 22	13 47 52,2	5,0V 32,6W	33KM	5,7	MID-ATLANTIC RIDGE	
	AFI E(SS)	4 M S		139		
	EL	E 14 29 04				
		ZE 54 00				
SEP 23	01 22 03,3	27,3S 113,4W	33KM	5,3	NEAR EASTER I.	
	RAR E(S)	4 M S		43		
	EL	ZE 01 36 35				
	AFI ES	ZNE 41 30		56		
	E(SSS)	V 45 16				
	EL	ZE 47 16				
	SBA EP	ZNE 01 32 18		61		
SEP 23	14 12 51,9	20,0S 176,1W	294KM	4,6	FIJI REGION	
	SUV EP	4 M S		5		
	AFI EIP	Z 14 14 16		7		
	S	ZNE 15 38				
	RAD EP	Z 14 14 34		9		
	ES	Z 16 36				
SEP 23	AFI E	ZE 20 40 28				
SEP 23	SUV EP	Z 20 52 42				
	AFI EP	Z 20 53 12				
	ES	ZNE 54 33				
SEP 23	22 37 22,6	18,7N 107,1W	33KM	4,9	N; OF MEXICO	
	RAR ES	4 M S		65		
	EL	ZE 22 57 26				
	AFI ES	ZNE 23 06 00		71		
	ESS	ZE 22 58 12				
	E	ZE 23 02 24				
	E	Z 06 20				
	EL	V 07 16				
		ZNE 09 40				
SEP 24	03 58 56,5	52,5N 31,8W	33KM	5,2	N; ATLANTIC RIDGE	
	SBA EPKP	4 M S		154		
		ZNE 04 18 46				
SEP 24	04 16 08,0	16,8S 178,9W	360KM	4,0	FIJI REGION	
	AFI EIP	4 M S		7		
		ZNE 04 18 16		-1,11		
SEP 24	04 20 52,9	52,6V 31,8W	33KM	5,2	N; ATLANTIC RIDGE	
	SBA EPKP	4 M S		154		
		ZNE 04 40 40				
SEP 24	AFI EP	Z 09 48 39				

DISTANT EARTHQUAKES - OVERSEAS STATIONS

SEP 24	H M S	EPICENTRE	DEPTH	MAG	DIR DIS LG _W A/T AZ TZ AN TN AE TE MAG	
SEP 24	18 03 19,0	15,2N 49,8W	33KM	5,8	N; ATLANTIC RIDGE	
	SBA EPKP	4 M S		115		
	EPP	ZNE 18 22 09				
	EPS	ZNE 23 14				
	ESS	ZNE 32 42				
	EL	ZNE 38 40				
	AFI EPKP	Z 18 22 29		129		
	EPP	Z 24 32				
	E(SKKS)	ZE 42 20				
	E	N 32 48				
	E	Z 33 32				
	E	VE 36 16				
	E	V 41 56				
	EL	V 44 24				
	EL	ZNE 56 16				
	EL	ZE 19 04 16				
SEP 24	SUV EP	Z 18 31 07				
	AFI EIP	Z 18 31 12,2				
	S	VE 32 25				
	(T)	ZNE 36 10				
SEP 24	20 21 14,6	18,2S 178,0W	475KM	4,7	FIJI REGION	
	SUV EP	4 M S		3		
	AFI EP	Z 20 22 29		7		
	ES	Z 20 23 01				
	SBA EP	VE 24 23				
		ZNE 20 30 37		60		
SEP 24	AFI EIP	Z 21 49 06				
	E(S)	VE 52 01				
SEP 24	AFI EIP	Z 23 42 35,5				
	S	VE 43 11				
	T	ZNE 44 50				
SEP 25	AFI EP	Z 06 20 50				
	E(S)	VE 22 35				
SEP 25	07 04 49,9	19,3S 179,2E	167KM	4,6	NEW HEBRIDES	
	SBA EP	4 M S		59		
		ZNE 07 14 28				
SEP 25	12 00 37,3	37,7S 179,7E	33KM		E; OF NORTH I.	
	AFI EP	4 M S		25		
		Z 12 06 03				
SEP 25	14 02 21,8	12,6S 166,8E	101KM	4,9	SANTA CRUZ IS	
	SUV EP	4 M S		13		
		Z 14 05 31				

	ES	ZNE	23 25						
	ESS	ZNE	27 30						
	ELQ	ZNE	30 46						
	ELR	ZNE	34 50						
AFI	E(PP)	Z	20 24 52	132					
	E	E	35 24						
	E(SS)	NE	43 06						
	ESSS	NE	48 12						
	EL	E	58 20						
	EL	E	21 00 00						
	EL	ZN	05 00						
SEP 29	RAQ	IP	Z 22 56 24.0						
SEP 30	AFI	IP	Z 00 34 49.0J						
		S	NE 35 09						
SEP 30	AFI	IP	Z 02 05 30.00						
		ES	NE 06 56						
SEP 30	H M S	EPICENTRE	DEPTH	MAG					
	03 11 38.2	31.65 179.1W	208KM	4.7	KERMADEC IS				
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN
	RAQ	IP	Z 03 12 24.0J	3					
	AFI	IP	Z 03 15 40.1J	19					
		ES	NE 18 50						
		P	ZNE 03 16 00.2	20					
		ES	NE 19 47						
	SBA	IP	ZNE 03 19 53.0J	47 =1.11					
SEP 30	H M S	EPICENTRE	DEPTH	MAG					
	04 11 16.1	31.95 177.9W	33KM	5.4	KERMADEC IS				
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN
	RAQ	P	Z 04 11 51.8D	3					
	AFI	EP	Z 04 19 28	19					
		S	NE 18 42						
		L	ZNE 19 04						
		ET	ZNE 33 03						
		P	ZNE 04 15 36.4D	19					
		ES	ZNE 18 54						
	SBA	EP	ZNE 04 19 43	47 =0.92					
		ES	ZNE 26 42						
		ESS	ZNE 29 44						
		EL	ZNE 32 10						
SEP 30	AFI	IP	Z 05 02 38.6J						
		S	NE 03 00						
SEP 30	RAQ	P	Z 05 10 57						
		S	Z 11 27						
SEP 30	H M S	EPICENTRE	DEPTH	MAG					
	05 16 57.7	31.85 177.9W	33KM	4.9	KERMADEC IS				
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN
	RAQ	P	Z 05 17 35	3					
	AFI	EP	Z 05 21 14	19					
	RAR	EP	Z 05 21 32	19					
	SBA	EP	ZNE 05 25 28	47					
SEP 30	RAQ	EP	Z 06 20 53						
		ES	Z 21 26						
SEP 30	RAQ	P	Z 09 12 50.5						
SEP 30	H M S	EPICENTRE	DEPTH	MAG					
	17 51 41.8	31.95 178.0W	33KM	5.4	KERMADEC IS				
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN
	RAQ	P	Z 17 52 16.6	3					

	SUV	EP	Z 17 55 16	14					
	RAR	(S)	ZNE 17 58 24	19					
	AFI	EP	Z 17 55 51	19					
		S	ZNE 59 20						
		T	ZNE 18 13 48						
SBA	EP	ZNE 18 00 07	47 =0.65						6.2
	ES	ZNE 37 05							
	ESS	ZNE 10 05							
	EL	ZNE 11 00							
SEP 30	H M S	EPICENTRE	DEPTH	MAG					
	18 52 32.4	16.15 172.6W	75KM	5.1	SAMOA REGION				
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN
	AFI	IP	Z 18 53 22.0D	2					
		S	ZNE 46						
	RAR	P	ZNE 18 54 47	13					
		ES	ZNE 57 01						
	SBA	EP	ZNE 19 03 11	63					
SEP 30	RAQ	EP	Z 18 58 33						
		S	Z 59 14						
SEP 30	H M S	EPICENTRE	DEPTH	MAG					
	23 57 36.4	32.25 177.6W	37KM	5.3	S; OF KERMADEC IS				
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN
	RAQ	P	Z 23 58 13	3					
	RAR	EP	ZNE 24 00 59	19					
		ES	NE 04 22						
	SBA	EP	ZNE 24 06 03	46					
SEP 01	H M S	EPICENTRE	DEPTH	MAG					
	05 05 43.2	11.95 75.1W	4KM	5.9	PERU				
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN
	RAR	EP	Z 05 17 10	81					
		ES	NE 27 31						
		ELQ	V 39 17						
		ELR	ZNE 42 20				21 22		23 21
	SBA	EP	ZNE 05 18 18	84 =0.92					6.4
		ES	ZNE 28 54						
		ESS	ZNE 29 00						
		ESSS	ZNE 34 08						
		ELQ	ZNE 38 18						
		ELR	ZNE 41 00						
	AFI	EP	Z 05 19 14	94					
		ES	ZNE 30 36						
		ESS	E 35 36						
		ESS	ZN 36 40						
		ESSS	ZN 40 04						
		E	ZE 43 39						
		EL	V 44 20						
		EL	ZNE 48 36						
SEP 01	H M S	EPICENTRE	DEPTH	MAG					
	05 47 18.6	56.35 143.5W	33KM	5.0	PACIFIC-ANTARCTIC R.				
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN
	SBA	EP	ZNE 05 53 04	27					
SEP 01	H M S	EPICENTRE	DEPTH	MAG					
	05 38 12.7	11.75 75.1W	5KM	5.7	PERU				
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN
	SBA	EP	ZNE 06 10 47.5	84					
SEP 01	H M S	EPICENTRE	DEPTH	MAG					
	06 26 44.8	11.65 167.5E	345KM	5.0	SANTA CRUZ IS				
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN
	SUV	EP	Z 06 29 32	12					
	AFI	IP	Z 06 30 56	J 20 =0.90					5.3

SBA EP		ZNE 06 36 38	65
H M S	EPICENTRE	DEPTH	MAG
OCT 01 08 28 14.0	11.8S 75.0W	33KM 5.8	PERU
H M S	DIR DIS LGWA/T	AZ TZ	AN TN AE TE MAG
SBA EP	ZNE 08 40 49	84	
H M S	EPICENTRE	DEPTH	MAG
OCT 01 17 10 36.5	0.8N 85.0W	33KM 5.5	ECUADOR
H M S	DIR DIS LGWA/T	AZ TZ	AN TN AE TE MAG
RAR EP	ZNE 17 21 46	76	
ES	VE	31 34	
ESKS	ZE	32 23	
ESS	Z	37 35	
ELQ	E	45 15	
ELR	ZNE	46 10	
AFI EP	Z	17 23 44	87 =0.93
ES	ZNE	34 20	
ESS	ZNE	40 08	
ESSS	Z	43 32	
EL	ZE	30 39	
SBA EP	ZNE 17 24 16	95	
ESKS	ZNE	34 54	
ES	ZNE	36 47	
ESS	ZNE	41 28	
ESSS	ZNE	45 22	
ELQ	ZNE	50 40	
ELR	ZNE	54 53	
H M S	EPICENTRE	DEPTH	MAG
OCT 01 19 53 15.7	60.8S 19.7W	33KM 5.6	S; ATLANTIC OCEAN
H M S	DIR DIS LGWA/T	AZ TZ	AN TN AE TE MAG
SBA EP	ZNE 20 01 01	42	
EPP	ZNE	02 38	
ES	ZNE	07 20	
ESS	ZNE	09 48	
EL	ZNE	11 00	
AFI EPP	Z	20 11 28	102
ES	ZN	20 24	
ESS	ZE	26 16	
ESSS	ZE	29 52	
E	B	35 36	
EL	ZN	36 13	
EL	ZN	40 32	
H M S	EPICENTRE	DEPTH	MAG
OCT 01 20 12 01.5	49.1S 127.2E	33KM 4.7	S; OF AUSTRALIA
H M S	DIR DIS LGWA/T	AZ TZ	AN TN AE TE MAG
SBA EP	ZNE 20 18 30.5	32	
H M S	EPICENTRE	DEPTH	MAG
OCT 01 20 30 22.5	27.3S 176.5W	33KM 5.2	KERMADEC IS
H M S	DIR DIS LGWA/T	AZ TZ	AN TN AE TE MAG
RAD P	Z	20 31 01	2
SUV EP	Z	20 32 49	10
AFI IP	Z	20 33 30.90	14
ES	VE	35 54	
ET	ZNE	46 34	
SBA EP	ZNE 20 39 27	51	
H M S	EPICENTRE	DEPTH	MAG
OCT 01 22 37 03.7	21.1S 174.1W	33KM 5.0	TONGA
H M S	DIR DIS LGWA/T	AZ TZ	AN TN AE TE MAG
AFI EP	Z	22 38 47	7
S	ZNE	40 02	
ET	ZNE	46 23	
OCT 02 RAR P	ZNE 03 36 19.5		

ET		ZNE 51 50	
H M S	EPICENTRE	DEPTH	MAG
OCT 02 04 00 17.7	21.8S 179.4W	599KM 4.9	FIJI REGION
H M S	DIR DIS LGWA/T	AZ TZ	AN TN AE TE MAG
RAD IP	Z	04 02 11	9
ES	Z	03 41	
AFI IP	Z	04 02 39 J	11 =0.47
IS	VE	04 32.3	
SBA IP	ZNE 04 09 07.5J	56 =1.11	5.2
H M S	EPICENTRE	DEPTH	MAG
OCT 02 06 33 23			
ES	Z	06 34 01	
AFI EP	Z	06 35 53	=0.47
E(S)	VE	38 15	
RAR EP	Z	06 36 23.5	
H M S	EPICENTRE	DEPTH	MAG
OCT 02 18 21 53			
SUV EP	Z	18 21 53	
H M S	EPICENTRE	DEPTH	MAG
OCT 02 18 38 25			
SUV EP	Z	18 38 25	
H M S	EPICENTRE	DEPTH	MAG
OCT 02 22 05 40.6	9.8N 126.8E	68KM 5.3	MINDANAO
H M S	DIR DIS LGWA/T	AZ TZ	AN TN AE TE MAG
SBA EP	ZNE 22 18 36	90	
H M S	EPICENTRE	DEPTH	MAG
OCT 02 22 06 00.0	51.4N 179.2E	1KM 6.5	ALEUTIAN IS
H M S	DIR DIS LGWA/T	AZ TZ	AN TN AE TE MAG
AFI IP	Z	22 16 44	66 =0.81
IPCP	Z	17 17.9	
EL	ZNE	35 20	
SUV EP	Z	22 17 01	69
SBA E(PKP)	ZNE 22 24 52	129	
IPKP	ZNE	25 07.5	
H M S	EPICENTRE	DEPTH	MAG
OCT 03 01 33 19.8	32.9S 178.0W	26KM 5.7	S; OF KERMADEC IS
H M S	DIR DIS LGWA/T	AZ TZ	AN TN AE TE MAG
RAD IP	Z	01 34 13	4
SUV P	Z	01 36 54	19
AFI EP	Z	01 37 48	20
S	ZNE	41 13	
ET	ZNE	55 35	
RAR IP	ZNE 01 37 51.1U	20	
ES	ZNE	41 17	
EL	ZNE	42	
CBZ EP	Z	01 38 15	22
SBA IP	ZNE 01 41 40 D	46 =0.93	5.9
ES	ZNE	48 20	
EL	ZNE	52 24	
H M S	EPICENTRE	DEPTH	MAG
OCT 03 08 33 08.0	60.5S 65.8W	33KM 4.6	DRAKE PASSAGE
H M S	DIR DIS LGWA/T	AZ TZ	AN TN AE TE MAG
SBA EP	ZNE 08 40 30.5	38	
H M S	EPICENTRE	DEPTH	MAG
OCT 03 09 34 13.5	19.7S 176.3W	348KM 3.7	FIJI REGION
H M S	DIR DIS LGWA/T	AZ TZ	AN TN AE TE MAG
SUV P	Z	09 35 26	5
AFI EIP	Z	09 35 53	7
S	VE	36 45	
H M S	EPICENTRE	DEPTH	MAG
OCT 03 15 19 43.9	19.2S 168.8E	43KM 4.8	NEW HEBRIDES
H M S	DIR DIS LGWA/T	AZ TZ	AN TN AE TE MAG
SBA EP	ZNE 15 29 40	59	

	H	M	S	EPICENTRE	DEPTH	MAG	
OCT 03	15	39	43.5	3,7S 101.9E	95KM	5.6	S; SUMATRA
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
SBA	IP	ZNE	19 51 51		81		
	EPCP	ZNE	52 07				
AFI	EP	Z	15 32 16		85		
OCT 03	17	05	36.3	62.7S 161.1W	33KM	4.5	PACIFIC-ANTARCTIC R.
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	17 10 07		19		
	ES	ZNE	13 43				
	EL	ZNE	14 12				
OCT 04	AFI	IP	Z	09 43 48.40			
OCT 04	SBA	EP	ZNE	12 06 23			
	ES	ZNE	10 00				
	EL	ZNE	40				
OCT 04	14	14	41.8	9.9S 103.9E	172KM	5.0	S; SUMATRA
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	14 26 28		79		
OCT 04	14	18	19.3	9.7S 104.1E	88KM	5.1	S; SUMATRA
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	14 30 11		79		
OCT 04	AFI	EIP	Z	23 48 31			
	E(S)	NE	30 05				
OCT 05	05	01	22.8	33.1S 19.6E	33KM	5.8	S; AFRICA
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	05 12 16		68		
OCT 05	13	10	42.6	20.9S 178.7W	590KM		FIJI REGION
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
AFI	EIP	Z	13 12 52		10		
	S	NE	14 36				
SBA	EP	ZNE	13 19 41		57		
OCT 05	16	34	19.8	7.1N 123.7E	33KM	5.4	MINDANAO
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	16 47 05.5		85		
OCT 05	20	46	32.5	21.9S 170.7E	107KM		LOYALTY IS
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
RAO	EP	Z	20 49 39		13		
AFI	EIP	Z	20 50 40		19		
	ES	ZNE	54 24				
SBA	IP	ZNE	20 56 02		56 = 0.93		6.2
OCT 06	AFI	EP	Z	01 27 19			
	(S)	NE	28 22				
OCT 06	AFI	EIP	Z	03 15 40			
	IS	NE	16 11				
	RAR	P	Z	03 18 11			

	H	M	S	EPICENTRE	DEPTH	MAG	
OCT 06	03	46	39.0	19.4S 172.9W	43KM	4.5	SAMOA REGION
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
AFI	IP	Z	03 47 03.10		2		
	S	ZNE	23				
RAR	EP	ZNE	03 49 48		14		
	ES?	E	53 14				
	EL	ZE	44				
	ET	ZNE	04 03 41				
SBA	EP	ZNE	03 57 05.5		63		
OCT 06	06	36	45.2	11.8S 75.0W	4KM	5.3	PERU
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	06 49 19		84		
OCT 06	10	01	40.1	30.3S 177.9W	35KM	4.5	KERMADEC REGION
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
RAO	IP	Z	10 01 58		1		
SBA	EP	ZNE	10 10 19		49		
OCT 06	AFI	IP	Z	11 20 45.7J			
	S	NE	21 18				
OCT 06	12	48	05.0	15.0N 120.1E	59KM	5.6	LUZON
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
AFI	E(P)	Z	12 59 34		73		
	ES	ZE	13 10 05				
	EL	ZNE	22 24				
OCT 06	21	46	32.7	7.2N 123.7E	33KM	5.2	MINDANAO
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
AFI	EP	Z	21 57 29		67		
SBA	EP	ZNE	21 59 21		85		
OCT 07	05	09	11.3	39.2N 28.4E	14KM	5.0	TURKEY
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
AFI	PKP	Z	05 29 02		149		
OCT 07	AFI	EP	Z	12 10 32			
	E(S)	ZNE	12 30				
OCT 07	22	03	17.5	18.3S 178.1W	541KM	4.7	FIJI REGION
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
AFI	IP	Z	22 05 01.3		7		
	S	ZNE	06 26				
RAR	P	Z	22 06 48.9		17		
OCT 08	02	43	24.7	20.0S 68.9W	120KM	4.9	CHILE
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	02 55 08.5		77		
OCT 08	15	41	33.4	21.3S 179.5W	639KM	4.7	FIJI REGION
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
RAO	IP	Z	15 43 29		8		
	ES	Z	45 03				
SBA	IP	ZNE	15 30 22.5		57		

	H	M	S	EPICENTRE	DEPTH	MAG													
OCT 13	09	28	33,0	18,8S 173,4W	33KM	5,0	TONGA.												
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG					
	AFI	EP		ZNE 09 29 43															
		S		NE 30 37															
		ET		Z 34 19															
	RAR	EP		NE 09 31 26		13													
		ES		ZNE 33 40															
		ELQ		V 34 04															
		ELR		ZNE 25															
	SBA	EP		ZNE 09 38 39		60													
OCT 14	00	33	00,6	21,9S 170,9E	79KM	4,8	LOYALTY IS												
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG					
	SBA	EP		ZNE 00 42 33		56													
OCT 14	04	33	55,1	27,3S 176,6W	132KM	4,6	KERMADEC IS												
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG					
	RAO	P		Z 04 04 23		2													
	AFI	IP		Z 04 06 52,50		14													
		E(P)		Z 07 31															
		S		NE 09 17															
		ET		ZNE 19 36															
	RAR	EP		ZNE 04 07 22		16													
		E+PP		ZE 08 05,5															
		EL		ZNE 10 21															
	SBA	EP		ZNE 04 12 48		51													
OCT 14	04	24	55,6	25,1S 67,8E	33KM	4,9	S; INDIAN OCEAN												
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG					
	SBA	EP		ZNE 04 35 50,5		68													
OCT 14	07	00	06,2	73,4N 54,8E	OKM	6,1	NOVAYA ZEMLYA												
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG					
	CBZ	EPKP		Z 07 19 49		146													
	SBA	EPKP		ZNE 07 20 08,5		164													
		IPKP2		ZNE 21 02															
		EPP		Z 24 49															
OCT 14	11	32	20,9	27,1S 176,5W	60KM	4,2	KERMADEC IS												
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG					
	RAO	P		Z 11 32 58		2													
		S		Z 33 32															
OCT 14	18	56	38,9	30,6S 178,1W	44KM	4,5	KERMADEC IS												
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG					
	RAO	IP		Z 18 57 01,5		1													
OCT 14	23	59	28,0	27,0S 176,5W	61KM	5,3	KERMADEC IS												
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG					
	RAO	P		Z 24 00 06		3													
	AFI	EIP		Z 24 02 28		14													
		S		ZNE 04 49															
		ET		ZNE 15 18															
	RAR	P		ZNE 24 02 58		16													
		ES		ZNE 05 43															

	H	M	S	EPICENTRE	DEPTH	MAG												
OCT 15	01	08	14,9	27,2S 176,5W	58KM	4,9	KERMADEC IS											
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG				
	RAO	IP		Z 01 08 52		2												
	AFI	EIP		ZNE 01 11 20		14												
		S		ZNE 13 45														
	RAR	P		ZNE 01 11 49,5		16												
		ES		ZNE 14 33														
	SBA	EP		ZNE 01 17 16		51												
OCT 15	06	58	21,0	13,0S 169,3E	696KM	4,3	NEW HEBRIDES											
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG				
	SBA	EP		ZNE 07 08 00,5		65												
OCT 16	14	40	50,6	35,5S 53,5E	33KM	4,8	INDIAN OCEAN											
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG				
	SBA	EP		ZNE 14 50 57		60												
OCT 16	18	40	56,5	27,5S 176,7W	135KM	3,7	KERMADEC IS											
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG				
	RAO	P		Z 18 41 22		2												
		S		Z 18 41 52														
	AFI	EP		Z 18 43 59		14												
		E(S)		ZNE 46 22														
OCT 16	20	45	09,8	19,7S 174,6W	33KM	4,8	TONGA											
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG				
	AFI	EIP		ZNE 20 46 41		6												
		S		ZNE 47 45														
	RAR	EP		ZNE 20 48 20		14												
		S		ZNE 50 40														
		ET		ZNE 21 01 53														
	SBA	EP		ZNE 20 55 09		59												
OCT 16	AFI	IP		Z 21 27 33,5														
		S		ZNE 29 07														
OCT 16	RAR	P		ZNE 22 02 04														
		ES		ZNE 04 26														
OCT 17	01	25	12,4	23,1N 94,7E	134KM	6,0	N; BURMA											
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG				
	SBA	EPP		ZNE 01 43 53,5		109												
		ESKS		ZNE 49 50														
		ELQ		ZNE 02 10 10														
		ELR		ZNE 16 53														
OCT 17	AFI	IP		ZNE 08 32 16		J												
		S		ZNE 34														
OCT 17	13	35	32,6	30,4S 178,1W	99KM	4,6	KERMADEC IS											
				H M S	DIR	DIS	LG _W /T	AZ	TZ	AN	TN	AE	TE	MAG				
	RAO	IP		Z 13 35 51		1												
	AFI	EP		Z 13 39 22		17												
		(S)		ZNE 42 31														
		E(T)		ZNE 54 04														
	RAR	ES		ZNE 13 43 01,5		19												
	SBA	EP		ZNE 13 44 06		48												

	H	M	S	EPICENTRE	DEPTH	MAG	
OCT 17	18	20	40.2	19.1S 169.2E	130KM	4.5	NEW HEBRIDES
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
SBA	EP		ZNE 18 30 27			59	
OCT 17	21	11	21.4	5.9S 151.4E	97KM	5.1	NEW BRITAIN
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
SBA	EP		ZNE 21 22 44			72	
OCT 17	22	30	09.7	10.7S 164.7E	63KM	4.8	SANTA CRUZ IS
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
SBA	EP		ZNE 23 00 55.5			67	
OCT 18							
RAO	IP		Z 06 30 29				
	ES		Z 31 01				
OCT 18	08	44	00.0	52.5N 173.5E	24KM	5.6	ALEUTIAN IS
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
SBA	EPKP		ZNE 09 03 08			130	
	EPKS		ZNE 06 28				
OCT 18	08	48	59.9	26.3S 178.1W	304KM		S; OF FIJI
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
RAO	IP		Z 08 49 51			3	
AFI	EP		Z 08 51 58			14	
	S		ZNE 34 13				
OCT 19	12	25	48.1	7.7N 126.0E	60KM	5.4	MINDANAO
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
SBA	EP		ZNE 12 38 33			85	
OCT 19	19	33	38.3	46.2S 33.6E	33KM	5.0	S; INDIAN OCEAN
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
SBA	IP		ZNE 19 42 51.9U			53 =1.11	5.9
OCT 20							
AFI	EP		Z 09 27 01				
	E(S)		VE 28 49				
	E		ZE 29 48				
RAO	EP		Z 09 27 22				
OCT 20	10	40	02.6	20.5S 176.9W	260KM	4.3	FIJI REGION
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
AFI	EP		Z 10 41 47			8	
	ES		VE 43 06				
	ES		Z 10 43 42			9	
OCT 20	15	20	38.5	17.3N 95.2W	87KM	5.4	S; MEXICO
				H M S	DIR	DIS	LG _w A/T AZ TZ AN TN AE TE MAG
AFI	ES		ZE 15 44 12			82	
	EL		ZE 38 08				
OCT 20							
AFI	IP		Z 19 58 21.3D				
	S		VE 46				
OCT 20							
RAO	IP		Z 22 33 16				
	ES		Z 51				
AFI	EP		Z 22 35 38				
	ES		NE 38 00				
	E(T)		ZNE 48 14				

	RAR	EP	ES	ZNE	22	35	42
				ZNE			38 22
OCT 21	AFI	IP	S	Z	03	54	44.9U
				NE			55 44
OCT 21	AFI	IP	IS	Z	05	20	09 J
				NE			44
OCT 21	AFI	EP	ES	Z	05	58	05
				NE			56
OCT 21	RAO	EP	ES	Z	14	28	55
				Z			29 34
	RAR	EP	ES	Z	14	31	11
	AFI	E(P)	E(S)	Z	14	31	17
			E(T)	NE			33 30
				ZNE			44 05
OCT 21		H	M	S	EPICENTRE	DEPTH	MAG
		20	53	47.5	51.3N 179.2W	48KM	5.9
					H M S	DIR	DIS
						LG _w A/T	AZ TZ AN TN AE TE MAG
	AFI	ES		ZN	21	13	16
		EL		ZN			23 16
	SBA	EPKP		ZNE	21	13	50
		EPKS		ZNE			129
OCT 21	AFI	EP	S	Z	21	42	27
			T	NE			51
				ZNE			46 36
OCT 22		H	M	S	EPICENTRE	DEPTH	MAG
		05	58	48.8	4.9S 134.2E	390KM	4.8
					H M S	DIR	DIS
						LG _w A/T	AZ TZ AN TN AE TE MAG
	SBA	EP		ZNE	06	09	40
							73
OCT 22	AFI	IP	IS	Z	06	09	24.2D
				NE			50
OCT 22		H	M	S	EPICENTRE	DEPTH	MAG
		07	12	07.7	4.8S 152.9E	71KM	5.3
					H M S	DIR	DIS
						LG _w A/T	AZ TZ AN TN AE TE MAG
	AFI	EP		Z	07	19	08
		E(L)		ZN			27 39
		EL		ZE			29 04
	SBA	EP		ZNE	07	23	35
							73
OCT 22		H	M	S	EPICENTRE	DEPTH	MAG
		10	08	28.1	17.8S 178.7W	550KM	4.3
					H M S	DIR	DIS
						LG _w A/T	AZ TZ AN TN AE TE MAG
	AFI	EIP		Z	10	10	18.5
		ES		NE			11 47
	RAR	ES		ZE	10	12	05.5
							15
OCT 22		H	M	S	EPICENTRE	DEPTH	MAG
		10	21	52.1	18.1S 71.5W	23KM	5.4
					H M S	DIR	DIS
						LG _w A/T	AZ TZ AN TN AE TE MAG
	SBA	EP		ZNE	10	33	54
	AFI	ES		E			10 46 48
		EL		ZE	11	38	12
							95
OCT 22		H	M	S	EPICENTRE	DEPTH	MAG
		10	40	54.8	17.7S 178.9W	620KM	4.6
					H M S	DIR	DIS
						LG _w A/T	AZ TZ AN TN AE TE MAG
	AFI	EP		Z	10	42	44.9
		ES		NE			44 17

	H	M	S	EPICENTRE	DEPTH	MAG	
OCT 22	22	51	33,5	34,8N 121,3W	15KM	5,9	CALIFORNIA
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
AFI EIP	Z	23	02 38		68	-1,00	
ES	ZNE		11 48				6,3
EL	ZNE		22 00				
OCT 23	01	39	22,1	56,2S 27,3W	95KM	5,3	SOUTH SANDWICH IS
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
SBA EP	ZNE	01	47 37,5		46	-0,59	6,4
OCT 23	02	52	54,7	14,9S 166,8E	28KM	4,8	NEW HEBRIDES
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
AFI EIP	Z	02	57 42		21		
ES	Z	03	01 36				
EL	ZE		03 00				
RAR EP?	Z	02	59 25		32		
SBA EP	ZNE	03	03 21		63		
OCT 23	04	50	49,5	27,1S 176,4W	37KM	4,4	KERMADEC IS
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
RAD IP	Z	04	51 30		3		
S	Z		52 03				
AFI EIP	Z	04	53 58		14		
ES	VE		56 26				
EL	E		57 00				
RAR EP	ZNE	05	07 38		16		
	ZNE	04	54 28				
OCT 24	00	27	08,8	25,2S 178,4E	620KM	4,8	S. OF FIJI
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
RAD EP	Z	00	28 44		5		
ES	Z		29 01				
AFI EP	Z	00	30 06		15		
ES	VE		32 34				
RAR P	ZNE	00	31 04,9		20		
SBA EP	ZNE	00	35 31		53		
OCT 24	08	29	12,1	33,3V 119,2W	10KM	5,1	S. CALIFORNIA
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
AFI ES	V	08	49 40		69		
EL	ZNE	09	00 36				
OCT 24							
SUV EP	Z	09	30 15				
OCT 24	12	59	13,1	23,5S 179,8E	595KM	4,5	S. OF FIJI
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
AFI EP	Z	13	01 51		12		
E(S)	N		03 59				
OCT 24	21	44	06,7	7,5S 127,7E	149KM	5,6	BANDA SEA
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
SBA EP	ZNE	21	55 22,5		73		
OCT 24	22	30	57,7	23,5S 179,8W	33KM	5,3	TONGA REGION
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
RAD P	Z	22	32 26		6		
AFI IP	Z	22	32 28,4		12		
S	ZNE		33 38				

	T	ZNE	DEPTH	MAG
RAR EP		38 48		
IP	ZE	22 33 42		19
E	ZNE		43,1DE	
ES	VE		35 44	
SBA EP	ZNE	22 40 51		55
OCT 25	H M S	EPICENTRE	DEPTH	MAG
	04 06 47,3	36,2S 101,2W	33KM	5,2
				S; PACIFIC OCEAN
SBA EP	H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
			04 16 19,5	55
OCT 25	H M S	EPICENTRE	DEPTH	MAG
	10 11 10,4	27,2S 176,2W	60KM	4,2
				KERMADEC IS
RAD P	H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
			10 11 48	3
AFI ES	Z	10 11 48		
EIP	Z	10 14 16		14
ES	NE		16 38	
EL	E		17 24	
RAR EP	ZNE	10 14 48,5		16
OCT 26	H M S	EPICENTRE	DEPTH	MAG
	03 44 50,4	27,0S 176,5W	30KM	5,3
				KERMADEC IS
RAD IP	H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
			03 45 31	3
AFI EIP	Z	03 47 57		14
S	VE		50 23	
ET	ZNE	04 00 20		
RAR P	ZNE	03 48 27,8		15
ES	ZNE	03 51 26		
ET	ZNE	04 03 31		
SBA EP	ZNE	03 53 56		52
ES	ZNE	04 01 26		
OCT 26	H M S	EPICENTRE	DEPTH	MAG
	04 15 49,7	21,7S 159,9E	33KM	4,8
				LOYALTY IS
RAD S	H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
			04 21 44	13
AFI EP	Z	04 20 14		19
SBA EP	ZNE	04 25 29,5		56
OCT 26	H M S	EPICENTRE	DEPTH	MAG
	05 18 52,7	27,1S 176,4W	33KM	5,0
				KERMADEC IS
RAD IP	H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
			05 19 33	3
AFI EIP	Z	05 22 01		14
S	VE		24 23	
T	ZNE	05 34 34		
RAR EP	ZNE	05 22 29		16
ES	ZNE	05 24 13		
SBA EP	ZNE	05 27 57,5		51
OCT 26	H M S	EPICENTRE	DEPTH	MAG
	06 38 03,4	16,2S 174,0W	127KM	5,8
				TONGA
AFI IP	H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
			06 38 42,5	3
RAD P	Z	06 41 06		13
S	Z	06 43 32		
RAR IP	ZNE	06 41 16,3D		14
S	ZNE	06 43 48		
SBA EP	ZNE	06 48 16		62
ES	ZNE	06 43 43		
EL	ZNE	07 04 00		

	H	M	S	EPICENTRE	DEPTH	MAG	
OCT 26	19	36	51.8	44.9V 17.3E	33KM	5.3	YUGOSLAVIA
	SBA	EPKP	ZNE	15 56 25	145		
OCT 26	19	15	51.2	43.6V 148.2E	37KM	5.0	KURIL IS
	AFI	ES	V	19 35 52	68		
		EL	ZN	46 32			
OCT 26	21	20	34.6	27.2S 176.4W	33KM	4.8	KERMADEC IS
	RAD	IP	Z	21 21 15	2		
		ES	Z	21 21 49			
	AFI	IP	Z	21 23 41	14		
		S	VE	26 06			
		ET	ZNE	36 29			
	RAR	P	ZNE	21 24 12	16		
		ES	VE	26 54			
	SBA	EP	ZNE	21 29 40	51		
OCT 26	21	25	32.2	27.1S 176.6W	44KM	5.2	KERMADEC IS
	RAD	P	Z	21 26 11	2		
	AFI	EIP	Z	21 28 39	14		
		S	VE	31 03			
		T	ZNE	41 22			
	RAR	EP	ZNE	21 29 07	16		
		ES	ZNE	31 53			
		ET	ZNE	44 25			
	SBA	EP	ZNE	21 34 35	51		
OCT 26	21	39	20.8	53.4S 23.5E	33KM	5.9	S. OF AFRICA
	SBA	EP	ZNE	21 47 51.50	47 = 0.86		
		EPP	ZNE	49 46			
		ES	ZNE	54 48			
		ESS	ZNE	58 00			
		ELQ	ZNE	59 45			
		ELR	ZNE	22 01 40			
	AFI	(SKS)	Z	22 04 30	112		
		E	Z	07 57			
		E	V	09 13			
		ESS	ZNE	14 36			
		ESSS	E	18 24			
		EL	E	27 12			
		EL	ZN	32 12			
OCT 27	02	55	35.4	45.0V 17.0E	33KM	4.9	YUGOSLAVIA
	SBA	EPKP	ZNE	03 15 11.5	145		
OCT 27	08	10	58.3	44.9V 17.2E	33KM	5.3	YUGOSLAVIA
	SBA	EPKP	ZNE	08 30 32	145		
	AFI	PKP	Z	08 30 48	145		
		E	E	09 15 12			
		EL	ZN	20 20			

	H	M	S	EPICENTRE	DEPTH	MAG	
OCT 27	08	53	42.7	44.9V 17.0E	33KM	4.8	YUGOSLAVIA
	SBA	EPKP	ZNE	09 13 17	145		
OCT 27		AFI	EIP	Z	17 54 55		
		S	VE	35 38			
OCT 28		AFI	EP	Z	13 31 49		
		E(S)	VE	33 00			
OCT 28		AFI	IP	Z	19 34 53.70		
		S	ZNE	35 12			
OCT 29		AFI	EP	ZNE	06 16 09		
		S	ZNE	32			
		T	ZNE	18 00			
OCT 29		AFI	EP	ZNE	06 40 02		
		S	ZNE	27			
		T	ZNE	41 48			
OCT 29	06	57	34.3	15.4S 173.6W	30KM	4.7	TONGA
	AFI	IP	ZNE	06 58 00.1	2		
		S	ZNE	20			
	RAR	EP	Z	07 00 45	14		
		ET	ZNE	14 40			
OCT 29	11	58	12.2	14.9S 177.5W	309KM	4.3	FIJI REGION
		AFI	EIP	ZNE	11 59 44	6	
		RAR	P	Z	12 02 03.5	15	
OCT 29		CBZ	EP	Z	16 27 14		
OCT 30		AFI	IP	Z	01 59 08	0	
		S	ZNE	34			
OCT 30		AFI	IP	Z	05 08 26.5U		
		S	ZNE	47			
OCT 30	17	13	44.0	15.0S 156.9E	38KM	4.8	NEW HBRIDES
	SBA	EP	ZNE	17 24 09	63		
OCT 31		SUV	EP	Z	05 22 08		
OCT 31	07	27	55.9	17.3S 174.2E	36KM	5.1	FIJI REGION
		SUV	EP	Z	07 28 52	4	
	AFI	IP	Z	07 31 12.20	14		
		IS	VE	33 47			
		IS	Z	34 00			
	RAD	EP	Z	07 31 20	14		
	RAR	EP	Z	07 33 14	25		
		V	V	37 41			
		EL	ZNE	40			
	SBA	EP	ZNE	07 38 03	U 61 = 1.11		

NOV 05	H M S	EPICENTRE	DEPTH	MAG
	17 34 13,6	34,8N 121,2W	33KM	5,8 CALIFORNIA
		H M S	DIR DIS LGWA/T	AZ TZ AN TN AE TE MAG
RAR	EP	Z	18 05 05	67
AFI	IP	Z	18 05 11,4	68
	ES	ZNE	14 24	
	ESS	Z	18 20	
	E(L)	VE	22 28	
	EL	ZNE	24 40	
SBA	EPP	ZNE	15 14 30	120
	EPS	ZNE	24 24	
	ESS	ZNE	31 30	
	EL	ZNE	49 28	
NOV 05	H M S	EPICENTRE	DEPTH	MAG
	19 02 35,5	33,1S 19,6E	33KM	5,9 SOUTH AFRICA
		H M S	DIR DIS LGWA/T	AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	19 13 31	68
NOV 06	H M S	EPICENTRE	DEPTH	MAG
	20 20 18,5	51,5N 178,9W	36KM	5,9 ALEUTIAN IS
		H M S	DIR DIS LGWA/T	AZ TZ AN TN AE TE MAG
AFI	IP	Z	20 31 42	U 65
	ES	ZN	39 30	
	ESSS	ZE	47 12	
	EL	ZN	49 20	
SBA	EPKS	ZNE	20 42 49	129
NOV 07	H M S	EPICENTRE	DEPTH	MAG
	02 35 08,1	6,9N 124,0E	413KM	5,1 MINDANAO
		H M S	DIR DIS LGWA/T	AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	02 47 12	88
NOV 07	H M S	EPICENTRE	DEPTH	MAG
	03 58 30,9	24,1S 66,9W	211KM	4,9 ANDES
		H M S	DIR DIS LGWA/T	AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	04 09 44,5	74
NOV 07	H M S	EPICENTRE	DEPTH	MAG
	18 33 59,9	27,9N 60,1E	35KM	6,1 S, IRAN
		H M S	DIR DIS LGWA/T	AZ TZ AN TN AE TE MAG
SBA	EP	ZNE	18 49 14	121
	EPKP	ZNE	32 49	
	EPP	ZNE	54 11	
	ESKS	ZNE	59 44	
	ELR	ZNE	19 31 00	
AFI	EPKP	Z	18 53 10	130
	PP	ZE	55 32	
	E	VE	19 03 36	
	E	Z	07 47	
	I(SKKS)	VE	12 44	
	I	VE	15 09	
	ESSS	VE	17 28	
	E	ZN	21 24	
	EL	VE	27 56	
	EL	ZE	34 20	
NOV 08	H M S	EPICENTRE	DEPTH	MAG
	01 41 41,3	16,2S 167,5E	23KM	5,7 NEW HBRIDES
		H M S	DIR DIS LGWA/T	AZ TZ AN TN AE TE MAG
SUV	EP	Z	01 44 23	11
RAO	EP	Z	01 46 09	19
AFI	IP	Z	01 46 19	J 20 =0,42
	S	VE	30 02	
	IL	ZE	51 34	

	RAR	EP	ZNE	01 48 09	31
		E	ZE	53 18	
		ES	V	54 24	
		EL	ZNE	56 59	
SBA	EP	ZNE	01 32 00	J 62 =1,11	
	EP	ZNE	02 00 25		
	ELQ	ZNE	07 30		
	ELR	ZNE	11 00		
NOV 08	RAO	EP	Z	02 02 06	
		S	Z	03 05	
NOV 08	RAO	EP	Z	03 34 06	
		S	Z	58	
NOV 08	AFI	IP	Z	07 07 42	J
		IS	VE	58	
NOV 08	H M S	EPICENTRE	DEPTH	MAG	
	21 00 16,1	22,1S 179,7W	600KM	4,6 S, OF FIJI	
		H M S	DIR DIS LGWA/T	AZ TZ AN TN AE TE MAG	
AFI	E(P)	Z	21 02 47	11	
	S	VE	04 44		
NOV 08	H M S	EPICENTRE	DEPTH	MAG	
	21 55 09,2	1,1S 127,0E	33KM	HALMAHERA	
		H M S	DIR DIS LGWA/T	AZ TZ AN TN AE TE MAG	
AFI	EIP	Z	22 05 32	62	
	ES	ZNE	14 04		
	ESS	ZE	18 00		
	ESSS	Z	20 52		
	EL	ZE	24 12		
SBA	EP	ZNE	22 07 13	80	
	ES	ZNE	17 08		
	ESS	ZNE	22 42		
	EL	ZNE	29 00		
NOV 08	H M S	EPICENTRE	DEPTH	MAG	
	23 26 00,0	1,0S 127,1E	35KM	5,3 HALMAHERA	
		H M S	DIR DIS LGWA/T	AZ TZ AN TN AE TE MAG	
SBA	EP	ZNE	23 38 15,5	80	
NOV 09	H M S	EPICENTRE	DEPTH	MAG	
	09 07 50,9	16,3S 167,9E	185KM	5,3 NEW HBRIDES	
		H M S	DIR DIS LGWA/T	AZ TZ AN TN AE TE MAG	
RAO	P	Z	09 11 57	18	
AFI	EP	ZNE	09 12 07	20	
	(PP)	ZNE	13 08		
	S	ZNE	15 32		
	PCP	ZE	16 20		
SBA	E(PC)	Z	09 17 51	J 62 =0,48	
	IP	ZNE	09 17 51		
	ES	ZNE	26 00		
NOV 09	H M S	EPICENTRE	DEPTH	MAG	
	19 29 14,8	25,4S 177,2W	190KM	4,5 S, OF FIJI	
		H M S	DIR DIS LGWA/T	AZ TZ AN TN AE TE MAG	
RAO	P	Z	19 29 56	4	
	S	Z	30 44		
AFI	EP	Z	19 31 50	13	
	ES	VE	33 54		
	ET	ZNE	43 54		
RAR	EP	ZNE	19 32 40,5	17	
	ES	ZNE	35 26,5		
	ET	ZNE	48 20		

	H	M	S	EPICENTRE	DEPTH	MAG									
NOV 10	00	30	28,7	15,35 173,3W	33KM	4,7	TONGA								
	AFI	IP		Z 00 30 24,3		2									
		IS		VE 00 30 43											
	RAR	EP		ZNE 00 33 40,5		14									
		EP		E 00 36 24											
		ET		ZNE 00 47 20											
NOV 10	AFI	EP		Z 03 02 33											
		EIS		VE 03 03 31											
NOV 10	09	12	50,0	15,25 172,9W	65KM	4,6	SAMOA REGION								
	AFI	IP		ZNE 09 13 14,5		1									
		S		ZNE 09 31											
	RAR	P		ZNE 09 16 12		13									
		ET		ZNE 09 30 09											
NOV 10	09	19	01,7	16,13 173,1W	33KM	4,5	TONGA								
	AFI	P		Z 09 19 36		3									
		S		ZNE 20 01											
		T		ZNE 21 40											
	RAR	EP		ZNE 09 22 05		14									
NOV 11	AFI	EIP		Z 04 39 01											
		S		ZNE 04 40											
NOV 11	15	23	59,2	9,75 151,4E	73KM	5,3	NEW BRITAIN								
	SBA	IP		ZNE 15 35 21,5		73									
NOV 11	AFI	IP		Z 17 29 37		0									
		IS		ZNE 17 30 07											
NOV 11	18	01	46,4	62,75 156,7E	33KM	4,9	BALLENY IS								
	SBA	EP		ZNE 18 05 22		16									
		ES		ZNE 18 08 42											
		EL		ZNE 18 09 21											
NOV 11	AFI	P		Z 23 12 41											
		S		VE 23 13 09											
NOV 12	00	50	56,5	21,85 179,6W	609KM	4,5	FIJI REGION								
	RAD	P		Z 00 52 49		8									
		S		Z 00 54 23											
	AFI	EP		Z 00 53 25		11									
		ES		VE 00 55 15											
NOV 12	RAD	EP		Z 10 08 48											
NOV 12	15	40	19,5	6,05 148,8E	82KM	5,0	NEW BRITAIN								
	AFI	IP		ZNE 15 47 41		40									
	SBA	EP		ZNE 15 51 36		72									
NOV 12	AFI	E(P)		Z 16 03 24											
		ES		VE 16 05 08											

	H	M	S	EPICENTRE	DEPTH	MAG									
NOV 12	17	11	30,2	16,05 173,8W	85KM	4,7	TONGA IS								
	AFI	IP		ZNE 17 12 14,6		3									
		S		ZNE 17 14 45											
	RAR	EP		Z 17 14 54		14									
	SBA	EP		ZNE 17 21 48		63									
NOV 12	19	09	02,0	53,0V 158,3W	53KM	5,4	ALEUTIAN IS								
	AFI	ES		ZE 19 28 36		67									
		EL		ZE 19 36 32											
		EL		Z 19 39 16											
	SBA	EPK		ZNE 19 28 07		131									
		EPKS		ZNE 19 31 30											
NOV 13	AFI	IP		Z 04 36 24											
		IS		VE 04 37 10											
NOV 13	04	58	30,9	23,75 179,9E	540KM	5,0	S; OF FIJI								
	RAD	P		Z 05 00 05		6									
		S		Z 05 01 14											
	SUV	EP		Z 05 00 06		6									
	AFI	IP		Z 05 01 09,9		13									
		S		VE 05 03 19											
	SBA	IP		ZNE 05 07 10,5		55									
NOV 13	07	51	29,5	27,85 71,6W	33KM	5,8	N; CHILE								
	SBA	EP		ZNE 08 02 35		69									
NOV 13	AFI	IP		Z 09 35 07		0									
		(S)		VE 09 36 41											
NOV 14	07	37	45,7	19,75 175,9W	209KM	5,5	TONGA								
	SUV	IP		Z 07 39 13,5		5									
	AFI	IP		Z 07 39 18,6		7									
		IS		ZNE 40 27											
	RAD	P		Z 07 39 57		10									
		IS		Z 07 41 49											
	RAR	IP		ZNE 07 41 06,1		15									
		ES		ZNE 43 49,5											
	SBA	IP		ZNE 07 47 29,50		59 = 0,71									6.1
		ES		ZNE 35 23											
		ESCS		ZNE 37 00											
		ESSS		ZNE 08 02 08											
NOV 14	11	46	34,6	21,65 68,4W	114KM	4,5	CHILE								
	SBA	EP		ZNE 11 58 31		75									
NOV 14	15	37	15,6	14,65 173,5W	33KM	4,6	SAMOA REGION								
	AFI	IP		ZNE 15 37 41		2									
		S		ZNE 15 38 04											
	RAR	EP		ZE 15 40 34,5		15									
		ES		VE 15 43 26											
NOV 15	AFI	EIP		Z 03 23 19											

		S	VE	51											
NOV 15	AFI	IP	Z	07 51 55	D										
		S	VE	32 15											
NOV 15	AFI	IP	Z	11 19 49,20											
		S	VE	20 10											
NOV 16	H M S	EPICENTRE		DEPTH	MAG										
	12 57 36,4	18,9S 175,3W		200KM	4,4	TONGA									
	AFI	EP	Z	12 58 58		DIR	DIS	LG _w A/T	AZ	TZ	AN	TN	AE	TE	MAG
		S	ZNE	59 57				6							
		ET	ZNE	13 04 35											
	RAR	EP	Z	13 00 55				13							
NOV 16	H M S	EPICENTRE		DEPTH	MAG										
	20 09 10,4	6,2S 147,9E		62KM	4,9	NEW GUINEA									
	AFI	IP	Z	20 16 45	J	40	=1,03								5,8
	I		Z	57											
	E(SSS)		Z	26 04											
	EL		ZNE	28 56											
	RAR	EP	ZNE	20 18 34,5				53							
	SBA	EP	ZNE	20 20 32,5				72							
NOV 16	SBA	EP	ZNE	20 17 12,5											
NOV 17	H M S	EPICENTRE		DEPTH	MAG										
	00 43 19,6	28,9S 179,1W		344KM	4,9	KERMADEC REGION									
	RAD	EIP	Z	00 43 55,0		1									
	SUV	IP	Z	00 45 11		11	0,62								
	AFI (P)		ZNE	00 46 53		16									
		S	ZNE	49 34											
	RAR	EP	ZNE	00 47 16		19									
	SBA	EP	ZNE	00 52 41,5		49									
NOV 17	AFI	EIP	Z	00 44 33											
		S	ZNE	49											
NOV 17	RAD	IP	Z	02 12 31,40											
NOV 17	AFI	EP	Z	02 44 42											
		S	ZNE	46 05											
NOV 17	H M S	EPICENTRE		DEPTH	MAG										
	13 25 31,1	17,4S 173,6W		33KM	4,8	TONGA									
	AFI	EP	Z	13 26 26		4									
		S	VE	27 04											
		T	ZNE	29 20											
	RAR	EP	ZNE	13 28 32,5		14									
		ES	ZNE	30 54											
	SBA	EP	ZNE	13 35 46,5		61									
NOV 17	AFI	IP	Z	17 38 54,8J											
		S	VE	59 20											
NOV 17	AFI	IP	Z	19 21 43 U +											
		S	VE	22 02											
NOV 18	AFI	EP	Z	06 14 56											
		S	ZNE	16 04											
NOV 18	AFI	IP	Z	18 29 45,1D =											
		S	ZNE	56											

		H M S	EPICENTRE	DEPTH	MAG										
NOV 18		20 45 41,6	22,3S 175,3W	33KM	4,9	TONGA REGION									
	SUV	EP	Z	20 47 25		7									
	RAD	P	Z	20 47 27		7									
		S	Z	48 44											
	AFI	EP	Z	20 47 45		9									
		S	VE	49 16											
		ET	ZNE	56 20											
	RAR	P	ZNE	20 48 54,0J		14									
		ES	ZNE	51 18											
	SBA	EP	ZNE	20 55 25		55									
NOV 19	AFI	EIP	Z	02 58 23											
		ES	VE	59 05											
NOV 19	AFI	EIP	Z	09 30 35											
		(S)	VE	32 04											
NOV 19	AFI	EIP	Z	11 13 15											
		S	VE	36											
NOV 20	AFI	EP	Z	08 32 03											
		IS	VE	48											
NOV 20	H M S	EPICENTRE		DEPTH	MAG										
	11 40 52,0	18,3S 167,5E		33KM	4,8	NEW HEBRIDES									
	AFI	EP	Z	11 45 28		20									
		E(S)	ZN	51 04											
	SBA	EP	ZNE	11 51 04		60									
NOV 20	AFI	IP	Z	17 30 31											
		S	VE	31 06											
NOV 21	H M S	EPICENTRE		DEPTH	MAG										
	02 05 35,3	2,1V 94,8E		20KM	5,4	N. SUMATRA									
			DIR	DIS	LG _w A/T	AZ	TZ	AN	TN	AE	TE	MAG			
	SBA	EP	ZNE	02 18 28		J	85	=0,29				7,0			
		ES	ZNE	29 00											
		ELR	ZNE	41 15											
		ELR	ZNE	45 25											
	RAD	EP	Z	02 18 33		89									
	AFI	IP	Z	02 18 59		94									
		I	Z	22 40											
		S	ZNE	29 40											
		I	VE	37 02											
		I	ZNE	43 28											
	RAR	EP	Z	02 19 57		105									
		E(PP)	E	23 44											
		ESKS	E	30 39											
NOV 21	RAD	P	Z	02 22 01											
NOV 21	AFI	IP	Z	04 01 20,3J											
		(S)	VE	02 15											
NOV 21	AFI	IP	Z	11 16 50 J											
		S	VE	17 36											
NOV 21	RAD	EIP	Z	16 14 23,0											
		S	Z	33											
NOV 21	H M S	EPICENTRE		DEPTH	MAG										
	23 46 11,6	56,6V 153,2W		33KM	5,1	S.W. ALASKA									
	AFI	ES	ZNE	24 06 56		72									

ESSS		E	15 28												
EL		ZN	18 56												
H M S	EPICENTRE	DEPTH	MAG												
NOV 22 05 00 39,6	28,25 177,2W	59KM	5,2	KERMADEC REGION											
	H M S	DIR DIS	LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG					
RAD IP	Z	05 01 02,80	1												
AFI EP	Z	05 04 05	15												
RAR EP	ZNE	04 40													
E(S)	VE	17 14													
SBA EP	ZNE	05 04 33,5	17												
NOV 22 SBA EP	ZNE	06 34													
	ZNE	21 58													
	ZNE	05 09 34	50 =0,93												
NOV 22 19 27 45,9	22,35 174,9W	33KM	5,3	TONGA REGION											
RAD EP	Z	19 29 28	7												
SUV EP	Z	19 29 40	7												
AFI EP	Z	19 29 45	9												
IL	NE	31 11													
T	ZN	32 16													
RAR P	ZNE	19 30 51	14 =0,33												
ES	ZNE	33 13													
SBA EP	ZNE	19 37 29	56												
ES	ZNE	45 25													
EL	ZNE	55 46													
NOV 22 23 09 37,2	57,8V 163,9E	33KM	6,3	KAMCHATKA											
AFI IP	Z	23 21 13	74												
SUV P	Z	23 21 30	77												
RAR EP	ZNE	23 22 09	84												
ES	ZNE	32 38													
SBA EPKP	ZNE	23 28 57	135												
EPP	ZNE	31 33,5													
EPKS	ZNE	32 29													
ESS	ZNE	49 40													
ELD	ZNE	24 07 23													
ELR	ZNE	12 30													
NOV 23 04 09 17,4	27,03 176,4W	50KM	4,9	KERMADEC REGION											
RAD P	Z	04 10 01	3												
AFI EIP	Z	04 12 20	14												
RAR EP	ZNE	04 12 53,5	16												
SBA EP	ZNE	04 18 24	52												
NOV 23 AFI EIP	Z	14 22 29													
T	NE	48													
NOV 23 SBA EP	ZNE	17 54 17													
NOV 23 RAD EP	Z	19 57 58													

NOV 23 RAD P	Z	21 34 07									
S	Z	44									
NOV 24 04 31 41,0	58,25 13,8W	33KM	4,8	S; ATLANTIC OCEAN							
SBA EP	ZNE	04 39 30	44								
NOV 24 AFI EIP	Z	18 56 04									
NOV 24 21 31 17,6	18,05 178,4W	593KM	5,4	FIJI REGION							
SUV IP	Z	21 32 59	J								
AFI IP	Z	21 33 12	5								
IS	ZNE	34 42									
RAD EP	Z	21 33 47	11								
RAR IP	ZNE	21 34 53,9D	19 =0,23								
SBA IP	ZNE	21 40 32,8D	60 =0,71								
ES	ZNE	48 06									
ESS	ZNE	51 32									
NOV 24 21 33 39,5	18,25 178,1W	570KM	4,5	FIJI REGION							
AFI EIP	Z	21 55 37	7 =0,81								
S	NE	57 30									
NOV 24 RAD EIP	Z	22 01 04,0									
S	Z	26									
NOV 24 22 51 30,1	56,2V 153,6W	33KM	5,5	S.W. ALASKA							
AFI S	NE	23 12 32	71								
ESSS	E	20 44									
EL	ZN	44 12									
SBA EPKP	ZNE	23 11 14	135								
EPKS	ZNE	14 39									
NOV 25 RAD P	Z	00 25 17									
RAR EP	ZNE	00 28 06,5									
ES	VE	30 49									
NOV 25 01 32 54,0	18,05 178,4W	587KM	4,6	FIJI REGION							
SUV P	Z	01 34 14	3								
AFI IP	Z	01 34 48,2	3								
RAD P	Z	01 35 24	11								
SBA IP	ZNE	01 42 09	D								
			60 =1,41								
NOV 25 04 47 41,4	30,55 177,9W	30KM	5,0	KERMADEC IS							
RAD IP	Z	04 48 02,5	1								
AFI EP	Z	04 51 46	17								
S	NE	54 40									
RAR EP	ZNE	05 06 40	19								
ES	ZNE	04 51 55,5									
SBA EP	ZNE	04 56 21	48								
NOV 25 RAD IP	Z	08 34 43,1D									
S	Z	35 00									

NOV 25	RAO EIP	Z	08 45 05																	
NOV 25	RAO IP	Z	13 39 42.10																	
NOV 25	H M S 21 31 04.2	EPICENTRE	DEPTH	MAG																
	SBA EP	3.55 138.5E	32KM	5.2	WEST IRIAN															
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG								
		ZNE	22 02 46.5			76														
NOV 25	H M S 22 31 07.1	EPICENTRE	DEPTH	MAG																
	SBA EP	5.05 153.5E	72KM	4.8	NEW IRELAND															
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG								
		ZNE	22 42 32.8			73														
NOV 25	H M S 23 42 08.5	EPICENTRE	DEPTH	MAG																
	SUV P	36.15 178.1E	197KM	4.8	S. PACIFIC OCEAN															
	AFI EIP	H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG								
	E(S)	Z	23 46 03			18														
	SBA EP	Z	23 47 04			24														
		VE	51 20																	
		ZNE	23 49 43.5			42														
NOV 26	H M S 12 44 04.7	EPICENTRE	DEPTH	MAG																
	SUV P	16.85 167.7E	33KM	5.4	NEW HEBRIDES															
	RAO P	H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG								
	AFI EIP	Z	12 46 39			10														
	ES	Z	12 48 19			18														
	IL	ZNE	12 48 39			20	-0.13													6.1
	RAR EP	ZNE	52 34																	
	EPP	Z	53 40																	
	E	ZNE	12 50 23			31														
	ES	E	51 36																	
	ES	E	54 53																	
	ES	Z	55 43																	
	EL	ZNE	57																	
	SBA EP	ZNE	12 54 16.5U			61	-0.63													6.6
	ES	ZNE	13 02 36																	
	ESOS	ZNE	04 15																	
	ESS	ZNE	06 40																	
	ELQ	ZNE	09 39																	
NOV 26	AFI IP	Z	13 00 06			D														
	S	ZNE	25																	
NOV 26	H M S 13 38 13.6	EPICENTRE	DEPTH	MAG																
	SBA EP	16.85 167.7E	33KM	4.6	NEW HEBRIDES															
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG								
		ZNE	13 48 26.5			61														
NOV 26	H M S 14 27 20.4	EPICENTRE	DEPTH	MAG																
	SUV P	16.85 167.8E	34KM	5.3	NEW HEBRIDES															
	AFI IP	H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG								
	ES	Z	14 29 57			10														
	L	Z	14 31 53			U	20													
	SBA IP	VE	35 40																	
		ZE	37 02																	
		ZNE	14 37 32			U	61	-1.01												6.2
NOV 26	H M S 14 36 58.5	EPICENTRE	DEPTH	MAG																
	SBA EP	16.95 167.8E	31KM	4.7	NEW HEBRIDES															
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG								
		ZNE	14 47 11.5			61														
NOV 26	H M S 18 15 12.6	EPICENTRE	DEPTH	MAG																
	SBA EP	58.85 24.9W	33KM	5.1	SOUTH SANDWICH IS															
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG								
		ZNE	18 23 15.5			43														

NOV 26	H M S 18 24 04.5	EPICENTRE	DEPTH	MAG																
	SBA EP	58.85 24.7W	33KM	4.9	SOUTH SANDWICH IS															
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG								
		ZNE	18 32 07			43														
NOV 26	H M S 18 26 08.9	EPICENTRE	DEPTH	MAG																
	SBA EP	58.85 24.7W	33KM	5.4	SOUTH SANDWICH IS															
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG								
		ZNE	18 34 11			43														
		ES	40 41																	
		ESS	43 50																	
		ELQ	45 12																	
NOV 26	AFI E(S)	E	18 59 20																	
	E(L)	E	19 09 24																	
	EL	ZN	13 52																	
NOV 26	H M S 21 17 55.8	EPICENTRE	DEPTH	MAG																
	AFI EIP	16.95 167.8E	16KM	5.0	NEW HEBRIDES															
	E(L)	H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG								
	SBA EP	Z	21 22 30.8			20														
		ZE	27 40																	
		ZNE	21 28 10.5			61														
NOV 26	RAO P	Z	21 28 09																	
	S	Z	21																	
NOV 26	AFI IP	Z	23 32 19																	
	IS	VE	33 07																	
NOV 27	H M S 00 20 25.5	EPICENTRE	DEPTH	MAG																
	SBA EP	16.95 167.9E	41KM	4.8	NEW HEBRIDES															
		H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG								
		ZNE	00 30 37			61														
NOV 27	H M S 03 07 42.4	EPICENTRE	DEPTH	MAG																
	AFI EP	19.65 169.3E	135KM	5.0	NEW HEBRIDES															
	E	H M S	DIR	DIS	LG _A /T	AZ	TZ	AN	TN	AE	TE	MAG								
	SBA EP	Z	03 11 59			19														
		VE	12 02																	
		ZE	15 36																	
		ZNE	03 17 24																	

NOV 28	RAO EP	Z	06 41 21																	
	H M S	EPICENTRE	DEPTH	MAG																
NOV 28	13 47 08.9	6.9S 129.7E	75KM	5.6	BANDA SEA															
	AFI EP	Z	13 56 55	58																
	E(L)	ZN	14 11 40																	
	RAR EP	Z	13 58 10	69																
	SBA EP	ZNE	13 58 34.5	73																
	H M S	EPICENTRE	DEPTH	MAG																
NOV 28	14 13 16.5	16.9S 167.8E	22KM	5.0	NEW HEBRIDES															
	AFI IP	Z	14 17 51	20																
	E(S)	VE	21 12																	
	EL	ZE	22 52																	
	RAR EP	Z	14 19 34	31																
	SBA IP	ZNE	14 23 30	U 61	-1.11															
	H M S	EPICENTRE	DEPTH	MAG																
NOV 28	14 48 18.7	26.4S 178.6W	375KM	4.4	S; OF FIJI															
	RAO EIP	Z	14 49 20.5	3																
	S	Z	50 07																	
	AFI EP	Z	14 51 19	14																
	S	ZNE	53 42																	
	RAR P	ZNE	14 52 06	15																
	AFI IP	Z	17 14 59.5																	
	S	ZNE	15 30																	
	AFI EIP	Z	18 53 29																	
	S	ZNE	56																	
	T	ZNE	55 49																	
	AFI EIP	Z	04 06 11																	
	S	VE	36																	
	T	ZNE	08 04																	
	AFI IP	Z	11 23 51.6U																	
	S	NE	24 11																	
	H M S	EPICENTRE	DEPTH	MAG																
NOV 29	16 41 52.5	18.3S 175.0W	290KM	4.4	TONGA															
	AFI EIP	Z	16 43 08	5																
	IS	VE	44 04																	
	RAO S	Z	16 46 27	11																
	RAR P	ZNE	16 45 08.8U	15	-0.98															
	H M S	EPICENTRE	DEPTH	MAG																
NOV 29	20 33 43.3	16.5S 176.6W	424KM	4.6	FIJI REGION															
	AFI EIP	Z	20 35 03	5																
	(S)	VE	36 07																	
	RAR EP	Z	20 37 15	17																
	H M S	EPICENTRE	DEPTH	MAG																
NOV 30	03 33 41.8	17.9S 178.6W	617KM	4.5	FIJI REGION															
	AFI EP	Z	03 35 33	8																
	ES	VE	37 01																	
	RAR EP	Z	03 37 14	18																
	SBA EP	ZNE	03 42 54	60																
	RAO P	Z	04 21 58																	
	S	Z	22 14																	

	H M S	EPICENTRE	DEPTH	MAG																
	21 27 41.6	16.9S 167.7E	10KM	4.4	NEW HEBRIDES															
	AFI EP	Z	21 32 19	20																
	SBA EP	ZNE	21 37 57	61																
	RAO EP	Z	22 48 38																	
	S	Z	57																	
	AFI EIP	Z	00 17 10																	
	S	ZNE	18 07																	
	H M S	EPICENTRE	DEPTH	MAG																
	02 16 42.7	18.4S 178.0W	600KM	4.9	FIJI REGION															
	SUV P	Z	02 18 01	3																
	AFI IP	Z	02 18 31.80	7																
	IS	NE	19 59																	
	RAR P	ZNE	02 20 11.0	17	-0.76															
	SBA EP	ZNE	02 25 53.5	60																
	SUV P	Z	08 52 54																	
	AFI E(P)	Z	09 30 13																	
	ES	ZNE	31 48																	
	AFI EP	Z	11 40 39																	
	S	ZNE	41 03																	
	T	ZNE	42 39																	
	H M S	EPICENTRE	DEPTH	MAG																
	14 11 14.6	49.8S 115.1W	33KM	4.8	S; PACIFIC OCEAN															
	AFI ES	E	14 29 12	58																
	ESSS	E	35 24																	
	EL	ZN	37 24																	
	AFI IP	Z	16 44 57.20																	
	S	ZNE	45 17																	
	H M S	EPICENTRE	DEPTH	MAG																
	20 28 27.2	20.1S 175.0W	38KM	4.9	TONGA															
	SUV P	Z	20 30 10	5																
	AFI EIP	Z	20 30 10	7																
	S	NE	31 16																	
	ET	ZNE	35 04																	
	RAR P	ZNE	20 31 47.5	14																
	ES	ZNE	34 13																	
	ET	ZNE	45 50																	
	H M S	EPICENTRE	DEPTH	MAG																
	20 35 05.2	60.0S 28.5W	163KM	5.6	SOUTH SANDWICH IS															
	SBA EP	ZNE	20 42 43	42																
	ES	ZNE	48 56																	
	ESS	ZNE	52 12																	
	ELR	ZNE	55 10																	
	H M S	EPICENTRE	DEPTH	MAG																
	22 13 53.4	16.7N 60.8W																		

DEQ 02	AFI EP IS	Z VE	01 28 11 39																	
DEQ 02	AFI EIP ES	Z VE	04 50 26 51 56																	
DEQ 02	H M S 17 26 33.1	EPICENTRE 13.1N 143.9E	DEPTH 110KM	MAG 5.0	S; OF MARIANA IS															
	SBA EP	H M S ZNE 17 39 14	DIR DIS 92	LG _w A/T	AZ TZ	AN TN	AE TE	MAG												
DEQ 02	H M S 17 37 04.3	EPICENTRE 8.2N 126.3E	DEPTH 102KM	MAG 5.7	MINDANAD															
	AFI IP IS ESS ESSS EL EL RAR P SBA EP ES	H M S Z ZE ZE ZE Z ZE ZE ZNE ZNE	DIR DIS 65	LG _w A/T	AZ TZ	AN TN	AE TE	MAG												
																				6.4
DEQ 03	AFI EIP S	Z NE	07 32 22 95																	
DEQ 03	AFI E(P)	Z	16 56 22																	
DEQ 04	AFI E(P) E(S)	ZN VE	03 14 51 17 03																	
DEQ 04	H M S 04 37 59.0	EPICENTRE 32.9S 178.0W	DEPTH 33KM	MAG 4.7	S; OF KERMADEC IS															
	RAO P S AFI EP E(S)	H M S Z Z Z VE	DIR DIS 4	LG _w A/T	AZ TZ	AN TN	AE TE	MAG												
DEQ 04	SBA EP	ZNE	04 46 21																	
DEQ 04	H M S 08 30 21.6	EPICENTRE 40.7N 144.7E	DEPTH 20KM	MAG 5.7	E; OF HONSHU															
	SBA EPKP	H M S ZNE 09 09 09.9	DIR DIS 119	LG _w A/T	AZ TZ	AN TN	AE TE	MAG												
DEQ 05	AFI IP S T	Z VE ZNE	02 22 20 53 24 20	D																
DEQ 05	RAO P S	Z Z	03 06 15 06																	
DEQ 05	H M S 08 22 21.3	EPICENTRE 14.5S 166.7E	DEPTH 33KM	MAG 4.9	NEW HBRIDES															
	SBA EP	H M S ZNE 08 32 50	DIR DIS 63	LG _w A/T	AZ TZ	AN TN	AE TE	MAG												
DEQ 05	AFI EIP S T	Z VE ZNE	12 52 34 53 02 54 50																	
DEQ 05	AFI IP S	Z VE	16 06 23 43	U																
DEQ 05	RAO EIP	Z	17 39 14.0																	

DEQ 06	H M S 02 34 39.7	EPICENTRE 15.3S 173.7W	DEPTH 206KM	MAG 4.9	TONGA															
	AFI IP S RAR EP ES	H M S ZNE 02 34 50 35 10 02 37 47.5 03 00 03.5	DIR DIS U	LG _w A/T	AZ TZ	AN TN	AE TE	MAG												
DEQ 06	H M S 07 02 57.4	EPICENTRE 43.8N 54.8E	DEPTH OKM	MAG 5.8	W; KAZAKHSTAN															
	SBA EPKP	H M S ZNE 07 22 24	DIR DIS 137	LG _w A/T	AZ TZ	AN TN	AE TE	MAG												
DEQ 06	H M S 14 34 00.8	EPICENTRE 58.7S 25.1W	DEPTH 33KM	MAG 5.3	SOUTH SANDWICH IS															
	SBA EP	H M S ZNE 13 02 04	DIR DIS 44	LG _w A/T	AZ TZ	AN TN	AE TE	MAG												
DEQ 06	H M S 22 37 02.2	EPICENTRE 19.8S 175.1W	DEPTH 300KM	MAG 4.3	TONGA															
	AFI IP S	H M S Z VE	DIR DIS 4	LG _w A/T	AZ TZ	AN TN	AE TE	MAG												
DEQ 07	H M S 03 55 31.1	EPICENTRE 18.1S 168.2E	DEPTH 49KM	MAG 5.2	NEW HBRIDES															
	SUV P AFI IP ES EL RAR EP SBA EP	H M S Z Z ZNE ZNE ZNE ZNE	DIR DIS 20	LG _w A/T	AZ TZ	AN TN	AE TE	MAG												
																				5.7
																				6.2
DEQ 07	H M S 07 31 21.0	EPICENTRE 18.2S 168.1E	DEPTH 40KM	MAG 4.6	NEW HBRIDES															
	AFI EP	H M S ZNE 07 55 52	DIR DIS 20	LG _w A/T	AZ TZ	AN TN	AE TE	MAG												
DEQ 07	H M S 21 46 19.1	EPICENTRE 9.6N 125.7E	DEPTH 31KM	MAG 5.2	MINDANAO															
	AFI EP SBA EP	H M S ZNE 21 37 08 21 39 22	DIR DIS 66 90	LG _w A/T	AZ TZ	AN TN	AE TE	MAG												
DEQ 08	H M S 05 04 19.7	EPICENTRE 1.7N 127.3E	DEPTH 101KM	MAG 5.5	HALMAHERA															
	AFI IP SBA EP	H M S Z ZNE	DIR DIS U	LG _w A/T	AZ TZ	AN TN	AE TE	MAG												
																				6.2
DEQ 08	H M S 10 15 59.3	EPICENTRE 23.5S 179.9W	DEPTH 53KM	MAG 4.6	S; OF FIJI															
	AFI EP ES	H M S Z VE	DIR DIS 12	LG _w A/T	AZ TZ	AN TN	AE TE	MAG												
DEQ 09	H M S 03 25 51.7	EPICENTRE 0.9N 126.2E	DEPTH 99KM	MAG 5.1	MOLUCCAS															
	SBA EP	H M S ZNE 03 38 01.2	DIR DIS 82	LG _w A/T	AZ TZ	AN TN	AE TE	MAG												
DEQ 09	RAO EP	Z	10 20 34																	
DEQ 09	RAO IP S	Z Z	13 41 27 42 01	D																

DEQ	H	M	S	EPICENTRE	DEPTH	MAG	LOC
DEQ 17	07	30	22,4	15,45 167,6E	134KM	4,9	NEW HEBRIDES
	SUV	P	Z	07 33 05		11	
	RAO	EP	Z	07 34 44		19	
	AFI	EIP	Z	07 34 49		20 =0,71	
		E	ZNE	35 20			5,6
		ES	ZNE	38 36			
	RAR	EP	ZE	07 36 34		31	
DEQ 17	09	03	19,4	27,05 176,6W	47KM	4,9	KERMADEC REGION
	RAO	IP	Z	09 04 02,10		3	
		S	Z	37			
	SUV	EP	Z	09 05 53		10	
	AFI	EIP	Z	09 06 25		14	
		ES	NE	08 45			
		EL	ZNE	09 18			
		ET	ZNE	19 10			
	RAR	EP	ZNE	09 06 54		16	
		ES	ZNE	09 37,5			
DEQ 17	20	42	13,9	30,95 179,9W	407KM	4,4	KERMADEC REGION
	RAO	EIP	Z	20 43 15		2	
		S	Z	50			
	SUV	EP	Z	20 45 06		13	
	AFI	EIP	ZNE	20 46 05		18	
		ES	NE	49 08			
	RAR	EP	Z	20 46 24,5		20	
DEQ 18	01	36	08,2	19,65 177,7W	582KM	4,6	FIJI REGION
	SUV	EP	Z	01 37 33		4	
	AFI	IP	Z	01 38 06,10		5 =0,66	
		EIS	NE	39 38			
	RAO	P	Z	01 38 23		10	
DEQ 18	06	09	56,2	27,05 176,3W	49KM	4,9	KERMADEC REGION
	RAO	IP	Z	06 10 37,50		3	
	SUV	EP	Z	06 12 20		10	
	AFI	EP	Z	06 13 01		14	
		S	ZNE	15 17			
		E	ZNE	32			
		ET	ZNE	25 05			
	RAR	P	ZNE	06 13 20,6		16	
		ES	NE	17 36			
	SBA	EP	ZNE	06 18 01		52	
DEQ 18	13	32	03,2	46,3V 142,5E	344KM	5,9	SAKHALIN
	SUV	EP	Z	13 42 58		72	
	AFI	IP	Z	13 43 01		D 73	
		S	ZNE	51 56			
		I	ZNE	54 10			
		EL	ZN	14 01 48			
	RAR	P	ZE	13 44 06,7		85	
		ES	ZNE	54 08			
	SBA	EP	ZNE	13 49 24		125	
DEQ 18	AFI	IP	Z	14 57 03,2J			

DEQ	H	M	S	EPICENTRE	DEPTH	MAG	LOC
DEQ 19	04	29	59,7	43,2N 147,7E	29KM	4,7	KURIL IS
	AFI	ES	NE	04 52 04		68	
		EL	ZN	05 02 08			
DEQ 19	07	50	53,3	53,3S 136,8W	33KM	5,3	PACIFIC-ANTARCTIC R.
	SBA	EP	ZNE	07 57 08		32	
		ES	ZNE	08 02 20			
		EL	ZNE	04 00			
	AFI	E(SS)	NE	08 10 44		48	
		EL	Z	12 32			
DEQ 20	AFI	EP	Z	02 55 03			
		(S)	ZNE	56 14			
DEQ 20	13	05	28,5	7,2S 129,2E	180KM	5,3	BANDA SEA
	AFI	IP	Z	13 15 08		J 58	
	SBA	EP	ZNE	13 16 42		73	
DEQ 20	AFI	EP	Z	22 27 30			
DEQ 21	00	29	30,0	29,7S 179,1W	268KM	4,9	KERMADEC REGION
	RAO	EIP	Z	00 30 28,5		1	
	SUV	P	Z	00 32 32		12	
	AFI	EP	ZNE	00 33 32		17	
		EIP	Z	55			
		S	ZNE	36 28			
	RAR	P	ZNE	00 33 58,8		19	
	SBA	EP	ZNE	00 38 10,5		49	
DEQ 21	16	32	32,8	15,3S 167,7E	129KM	4,6	NEW HEBRIDES
	SBA	EP	ZNE	16 42 46		63	
DEQ 21	AFI	IP	ZNE	20 09 06,4J			
		S	ZNE	28			
DEQ 21	AFI	IP	Z	22 49 37,5U			
		S	ZNE	50 09			
DEQ 22	08	13	42,3	16,0S 173,1W	33KM	4,8	TONGA
	AFI	IP	Z	08 14 17		J 2 =0,83	
		S	ZNE	38			
		T	ZNE	16 23			
	RAR	EP	ZNE	08 16 46,5		14	
		ET	ZNE	30 20			
DEQ 22	08	52	10,2	62,0S 164,6E	33KM	5,3	GALLENY IS
	SBA	EP	ZNE	08 55 51		16 =0,60	
		ES	ZNE	59 04			
		EL	ZNE	42			
DEQ 22	AFI	EP	Z	11 30 15			
		S	NE	40			

	H	M	S	EPICENTRE	DEPTH	MAG	
DEC 22	11	19	19.3	52.5N 168.1W	33KM	5.2	ALEUTIAN IS
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	E(SBS)		NE 11 46 00		66	
		EL		Z 49 00			
DEC 22	AFI	(P)		ZNE 11 31 43			
		S		ZNE 32 10			
DEC 22	AFI	EIP		Z 19 40 06			
		S		NE 41 04			
DEC 22	20	51	41.4	29.0S 176.0W	31KM	4.9	KERMADEC REGION
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	RAO	P		Z 20 52 02		1	
	AFI	EP		Z 20 55 15		16	
		ES		NE 57 55			
		EL		ZE 58 40			
		ET		ZNE 21 08 53			
	RAR	P		ZNE 20 55 40.90		17	
		ES		ZNE 58 29			
	SBA	EP		ZNE 21 00 42.5		50	
DEC 23	RAO	EP		Z 01 05 58			
		S		Z 06 14			
DEC 23	RAO	P		Z 01 58 02			
DEC 23	AFI	EP		Z 06 28 31			
		S		NE 59			
		(S)		ZNE 29 21			
	RAR	EP		ZNE 06 31 35			
DEC 23	AFI	EIP		ZNE 06 52 23			
		ES		N 53 16			
		ES		ZE 28			
	RAR	P		ZE 06 54 20.4			
DEC 23	AFI	E(S)		NE 07 33 28			
DEC 23	AFI	EIP		Z 08 10 32			
		S		ZNE 58			
	RAR	P		Z 08 13 02			
DEC 23	13	22	54.2	57.4N 163.1E	33KM	5.4	KAMOHATKA
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	ES		NE 13 44 09		74	
		EL		E 52 48			
		EL		ZN 57 40			
DEC 24	AFI	EIP		ZNE 08 42 31.5			
DEC 24	AFI	IP		Z 15 01 49 U			
		S		ZNE 02 00			
DEC 24	20	36	58.3	15.6S 177.8W	459KM	4.6	FIJI REGION
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	SUV	IP		Z 20 38 15.1U		4	
	AFI	IP		Z 20 38 23.9U		6 -0.47	
		EIS		ZNE 39 31.2			
DEC 25	SBA	ES		ZNE 15 45 08			

	H	M	S	EPICENTRE	DEPTH	MAG	
DEC 25	16	22	36.9	21.2S 170.2E	124KM	4.8	LOYALTY IS
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	EP		ZNE 16 26 46.5		19	
DEC 25	21	32	27.3	15.8N 99.7W	7KM	6.4	CARIBBEAN SEA
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	RAR	ESKS		E 21 57 38		105	
		E(PB)		N 58 58			
		E		ZNE 22 00 17			
		ESS		ZNE 09 34			
		ESSS		ZE 09 09			
		ELQ		E 16 00			
		ELQ		N 17 07			
		ELR		ZNE 21 14			
	SBA	EP		ZNE 21 47 30		114	
		EPKP		ZNE 51 35			
		EPP		ZNE 52 11			
		EPS		ZNE 22 01 26			
		ELQ		ZNE 19 00			
		ELR		ZNE 26 00			
	AFI	E(P)		Z 21 47 24		115	
		EPP		ZNE 52 10			
		E		N 53 24			
		ISKS		NE 58 09			
		I		N 22 00 16			
		ISS		ZNE 01 44			
		I		ZNE 08 10			
		IL		ZN 21 07			
		IL		NE 22 32			
		IL		ZE 26 00			
DEC 25	AFI	EP		Z 21 51 20			
DEC 25	AFI	EP		Z 22 02 00			
DEC 26	AFI	EP		Z 03 39 50			
		E(S)		NE 41 40			
	RAR	EP		Z 03 40 53			
DEC 26	15	14	57.2	18.1S 168.2E	51KM	4.6	NEW HEBRIDES
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	E(P)		Z 15 19 35		20	
DEC 27	RAO	P		Z 03 05 09			
DEC 27	AFI	IP		Z 20 29 18			
		S		ZNE 35			
DEC 28	04	53	09.2	43.5N 147.9E	26KM	5.3	KURIL IS
				H M S	DIR	DIS	LG _W A/T AZ TZ AN TN AE TE MAG
	AFI	ES		N 05 13 48		68	
		EL		ZN 23 40			
DEC 28	AFI	EIP		Z 07 05 36			
		S		NE 07 07			
	RAR	P		ZNE 07 06 43.1			
		ES		ZNE 09 07			
DEC 28	AFI	E(P)		Z 07 14 50			
DEC 28	AFI	IP		ZNE 09 29 07.9U			
		S		ZNE 29			

DEQ 28	AFI EIP	ZNE 14 33 27																		
	IS	NE 34 39																		
	RAR EP	Z 14 35 13																		
DEQ 28	H M S	EPICENTRE	DEPTH	MAG																
	21 25 28.2	22.39 179.4W	485KM	4.5	S; OF FIJI															
	RAD P	Z 21 27 23																		
	AFI P	Z 21 28 02																		
	S	ZNE 30 02																		
DEQ 29	AFI EP	Z 02 28 49																		
	S	ZNE 29 14																		
	T	ZNE 31 38																		
	RAR EP	Z 02 30 56																		
DEQ 29	AFI EP	Z 07 08 47																		
	S	NE 09 15																		
	T	ZNE 11 05																		
DEQ 29	AFI IP	Z 11 26 34.8U																		
	S	NE 54																		
	RAR EP	Z 11 29 19																		
DEQ 29	H M S	EPICENTRE	DEPTH	MAG																
	19 48 37.6	17.75 175.1W	290KM	4.3	TONGA															
	AFI IP	Z 19 49 47.3D																		
	IS	NE 30 40																		
DEQ 29	H M S	EPICENTRE	DEPTH	MAG																
	23 49 54.0	26.69 176.4W	54KM	4.6	S; OF FIJI															
	RAD EP	Z 23 50 41																		
	AFI EP	Z 23 52 50																		
	ES	ZNE 55 05																		
	EL	ZNE 56 20																		
	ET	ZNE 24 05 35																		
	RAR EP	ZE 23 53 28																		
	ES	ZNE 56 10																		
	ET	ZNE 24 03 30																		
DEQ 30	SUV EP	Z 03 38 43																		
	AFI EP	Z 03 39 45																		
	ES	ZNE 41 48																		
DEQ 31	AFI EIP	ZNE 12 30 16																		
	ES	ZNE 31 43																		
DEQ 31	AFI E(P)	Z 12 33 05																		
DEQ 31	RAD P	Z 16 35 34																		
	AFI EP	Z 16 36 57																		
	E(S)	ZNE 39 19																		
DEQ 31	AFI IP	Z 18 44 17.2U																		
	IS	NE 49																		
DEQ 31	H M S	EPICENTRE	DEPTH	MAG																
	19 01 56.1	28.5N 129.1E	44KM	5.9	RYUKYU IS.															
	AFI EIP	ZNE 19 13 13																		
	ES	ZNE 22 32																		
	ESS	NE 26 52																		
	ESSS	N 30 40																		
	E(SSS)	E 31 16																		
	EL	ZNE 34 28																		

RAR	EP	ZE 19 14 30																		
	ESKS	N 25 16																		
	E	45																		
SBA	EP	ZNE 19 20 50.6																		108
	EPS	ZNE 30 05																		
	ES	ZNE 36 05																		
	ESS	ZNE 40 21																		
	ELR	ZNE 53 30																		
31	SUV P	Z 19 17 23																		
	AFI EP	Z 19 19 09																		
31	SUV EP	Z 21 50 27																		
	AFI IP	Z 21 50 45																		
	IS	ZNE 51 55																		
31	SUV EP	Z 22 07 08																		
	AFI EP	Z 22 09 29.5																		
	E(S)	NE 11 26																		
31	H M S	EPICENTRE	DEPTH	MAG																
	23 38 52.3	7.05 117.8E	483KM	5.3	E; JAVA															
	AFI EP	ZNE 23 49 14																		
	SBA ES	ZNE 23 58 48																		

During 1969 the following papers by members of the Observatory staff were published: -

- S-158 HAMILTON, R.M. and GALE, A.W.: Thickness of the Mantle Seismic Zone beneath the North Island of New Zealand.
Jl. Geophys. Res. 74: 1608-13.

Most earthquakes in the mantle beneath the North Island of New Zealand occur in a volume resembling a curved slab. The observed thickness of this volume varies from 70 km in the northeast to 40 km in the southwest. Since errors in hypocenter determination do not show a similar variation, it is thought that the effect arises from change in the actual thickness of the seismic zone. The actual thickness of the thinnest part of the zone is estimated to be 20 km but could be almost zero. The southwestward thinning of the seismic zone is accompanied by a progressive decrease in the depth to the bottom of the zone and a gradual termination of certain other geophysical features in the North Island structure.

- S-159 HAMILTON, R.M.: Seismological Studies of the Gisborne Earthquake Sequence, 1966.

Bull. N.Z. Dept. Scient. Ind. Res. 194: 7-23.

On 4 March 1966 (U.T.) a magnitude 6.2 earthquake occurred at a depth of 25 km at 38.52°S, 177.85°E. This epicentre is within 20 km of Gisborne, New Zealand, where a considerable amount of minor damage was caused. Readings of the shock confirm that the Pn and Sn velocities to the south-west of the epicentre, along the length of the country, are 8.2 km/sec and 4.7 km/sec respectively, and indicate that the velocity of Pn is lower in the north-west of the North Island.

The earthquake was accompanied by at least 50 foreshocks and 513 aftershocks. Their epicentres were probably within 10 km of that of the main shock. Most of the shocks had a distinctive compressional first motion at Gisborne seismograph station, but a few dilatational shocks occurred late among both the foreshocks and aftershocks. Both foreshocks and aftershocks obeyed the usual magnitude-frequency relationship, $\log N = a - bM$, with b close to 0.83. The aftershocks decreased in frequency of occurrence with time according to the modified law of Omori.

- S-160 ADAMS, R.D.: Early Reflections of P'P' as an Indication of Upper Mantle Structure: A Reply.

Bull. Seismol. Soc. Amer. 59: 1419.

The phase SKKKP cannot explain the arrivals preceding P'P' from shallow earthquakes reported in Bulletin S-157, but Engdahl and Flinn may be correct in re-interpreting some of the arrivals from deep earthquakes in this way.

- S-161 ADAMS, R.D. and ASGHAR AHMED: Seismic Effects at Mangla Dam, Pakistan.

Nature 222: 1153-5.

Mangla Dam is one of the few large reservoirs where there has been adequate seismic surveillance during impounding. Though the overall occurrence of detected earthquakes rose by a factor

of nearly 2.5 after impounding, most of this increase can be accounted for by the installation of additional stations. The located epicentres are not closely related to the surface traces of any of the known faults. There appears to be some connection between changes in the level of the reservoir and the local seismicity, but no shock has been large enough to have been felt in the reservoir area, and the overall effect of the impounding has been small.

- S-162 ADAMS, R.D.: Small Earthquakes in Victoria Land, Antarctica.
Nature 224: 255-6.

The Willmore seismograph at Vanda has recorded some minor earthquakes that have also been recorded at Scott Base, enabling shocks within the Antarctic continent to be roughly located. There are two groups, one close to the Drygalski Ice Tongue and the David Glacier, the other in latitude 76°OS. Some of the recorded events could be the result of ice movements, but it is possible that some are due to swarm activity related to Recent volcanism.

- S-163 ADAMS, R.D.: Seismological Studies of the Seddon Earthquake, 1966.

Bull. N.Z. Dept. Scient. Indust. Res. 199: 5-14.

An earthquake of magnitude 6.1 occurred in Cook Strait, between the North and South Islands of New Zealand, on 23 April 1966, causing damage to a large number of chimneys in the town of Seddon, and minor damage at Blenheim and Wellington. The epicentre was determined using the values of 8.1 and 4.7 km/s for Pn and Sn wave velocities that have recently been established for New Zealand, but it could not be located with great accuracy because of the limited ranges of azimuth subtended by New Zealand seismograph stations. The best estimate places the epicentre 35 km from Seddon and the focus in the lower crust. A sequence of about 40 aftershocks was recorded during the week following the earthquake. There are indications that the epicentres of the aftershocks spread over a larger area than has been the case for some other New Zealand sequences.

- S-164 ----: Seismological Observatory, Wellington, 1970.

N.Z. Dept. Scient. Industr. Res. Inf. Ser. 73. 20 pp.

The Observatory and the New Zealand network of seismograph stations are described. After a brief history of seismology in New Zealand, there are short sections on past earthquakes, current research, and the New Zealand Time Service.

- S-165 ADAMS, R.D. and RANDALL, M.J.: Distance Corrections for Deep-Focus Earthquakes.

Geophys. J. Roy. Astr. Soc. 18: 329-30.

The proportionality of the ray parameter $p = dt/d\Delta$ and the distance correction δ when the ray is close to the vertical can be used to find depth-corrections to both distance and time. This provides a simple method of projecting ray-paths from deep earthquakes to the surface, which can be exploited for the study of deep structure.

- EIBY, G.A.: Centenary of the New Zealand Time-Service.

J. Brit. Astron. Assn. 79: 489-90.

The Colonial Time Service Observatory, founded in 1868, incorporated an earlier observatory operated by the Wellington Provincial Government. It later became known first as the Hector and later as the Dominion Observatory. Seismological reporting formed part of its work from the earliest years. Instrumental recording began in 1904. Although it is still responsible for

the time-service, seismology is now the major part of its work, and it is known as the Seismological Observatory. It is part of the Geophysics Division of the Department of Scientific and Industrial Research.

ADAMS, R.D.: Geophysics in the Antarctic.

Polar Record 14: 572-4.

ADAMS, R.D.: Seismic Effects at Mangla Dam.

UNESCO Consultant Report 975. 15 pp.

A fuller treatment of the information given in Bulletin S-161, including details of the recording equipment and a list of epicentres.

EXCHANGE AGREEMENTS

The Seismological Observatory issues the following series of publications:

1. E-bulletins. These consist of the annual "New Zealand Seismological Reports", containing a detailed summary of all standard measurements made at stations of the N.Z. network, lists of epicentres, felt intensity data, and a brief account of the principal earthquakes of the year.
2. S-bulletins. These are mostly reprints of papers by members of the Observatory staff, but occasionally it has included material not published elsewhere, such as the Eiby-Muir near earthquake tables, and a descriptive account of the Observatory and its work issued to conference delegates.
3. A-bulletins. These are cyclostyled sheets giving preliminary readings from Wellington and a small selection of well-distributed outstations. They are issued fortnightly to observatories and data centres needing rapid access to New Zealand readings, and are not intended to have a wide circulation.

The Observatory will be pleased to consider exchange agreements for any of this material. Stations requesting the A-series normally receive S- and E-series as well, and those requesting the E-series also receive the S-series. This arrangement facilitates mailing procedures.

LIST OF MAPS

(in pocket inside back cover)

1. Epicentres of Normal Focus Earthquakes in 1969.
2. Epicentres of Deep Focus Earthquakes in 1969.
3. Isoseismals for the Earthquakes of 1969 January 2 (Origin 69/008) and May 23 (Origin 69/288).