

INSTITUTO GEOFISICO DE LOS ANDES COLOMBIANOS  
BOGOTA, COLOMBIA



# BOLETINES SISMICOS

DE LAS

ESTACIONES SISMOLOGICAS COLOMBIANAS  
BOGOTA, CHINCHINA, GALERAZAMBA  
Y FUQUENE

1957

Publicación del Instituto Geográfico "Agustin Codazzi" y  
Publicación SERIE - A. Sismología No. 15 del Instituto  
Geofísico de los Andes Colombianos.

NOMBRE ESTACION

Estación de observación de ondas sísmicas en las Estaciones Sismológicas

El nombre de cada estación

ESTACION SISMOLOGICA DE BOGOTA

Instituto Geofísico de los Andes Colombianos  
Colegio de San Bartolomé, Apdo. 270 Bogotá, Colombia  
Fundada en Septiembre de 1941

Latitud N: 4° 37' 23"  
Longitud W Greenwich: 74° 03' 54"  
Altura : 2.653 metros  
Subsuelo: Arenisca Silíceo Terciaria:  
Formación "Cacho" del piso Guaduas

Aparatos :  
Benioff Vertical Periodo Corto (100 kilos )  
Sprengnether Horizontales Periodo Largo NS-EW  
Wiechert Péndulo Astático NS-EW (200 kilos).

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ESTACION SISMOLOGICA DE CHINCHINA

Caldas - Colombia  
Auspiciada por la Federación Nacional de Cafeteros  
Fundada en Agosto de 1949

Latitud N: 4° 58'  
Longitud W: 75° 37'  
Altura : 1.360 metros  
Subsuelo: Aluvión Rocoso. Cuaternario

Aparatos : -  
Componente Vertical Sprengnether, Periodo Corto  
Componentes Horizontales Sprengnether,  
Periodo Largo : NS - EW.

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ESTACION SISMOLOGICA DE GALERAZAMBA

Bolívar - Colombia  
De la Sección de Salinas del Banco de la República  
Establecida en Abril de 1949

Latitud N: 10° 47' 08"  
Longitud W: 75° 15' 44"  
Altura : 21 metros  
Subsuelo: Arcilla dura del Oligoceno

Aparatos :  
Componente Vertical Sprengnether, Periodo Corto  
Componentes Horizontales Sprengnether,  
Periodo Largo : NS - EW.

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ESTACION SISMOLOGICA DE FUQUENE

Instituto Geográfico "Agustín Codazzi"  
Establecida en Diciembre de 1957

Latitud N: 5° 28' 12"  
Longitud W: 73° 44' 17"  
Altura : 2.580 metros  
Subsuelo: Areniscas y Arcillas Cretácicas

Aparato :  
Componente Vertical de Askania :  
Galitzin-Wilip Tipo Masing, Periodo Largo.

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## NOMENCLATURA

### Explicación de algunas letras y signos usados en los boletines Sísmicos

A) - Fases o tipos de ondas.

P = Onda primaria (onda longitudinal o de compresión y dilatación).

PR<sub>1</sub>, PR<sub>2</sub> ... pP, pPR<sub>1</sub> = Onda primaria reflejada interiormente una vez, dos veces... en la superficie terrestre.

S = Onda secundaria (transversal, o distorsional o de cizalla).

SR<sub>1</sub>, SR<sub>2</sub> ... sS, sS<sub>2</sub> = Onda secundaria reflejada interiormente una vez, dos veces... en la superficie terrestre.

PS, SP, pS, sP = Ondas transformadas, o sea ondas sísmicas reflejadas una vez en la superficie de la tierra con un cambio de ondas longitudinales en transversales o viceversa.

PPS, PSP, SPP, pPS, pSP, spp, sPS, sSP = Ondas transformadas que han sido reflejadas dos veces en la superficie de la tierra y que han sido longitudinales o transversales durante dos fracciones de la trayectoria y que han sido de clase distinta durante la otra fracción del camino recorrido.

PcP, ScS, PcS, ScP = Ondas que han sido reflejadas en la superficie exterior del núcleo central de la tierra, que está a una profundidad de unos 2.900 kilómetros.

PKP (= P') = Onda longitudinal que ha atravesado el núcleo central.

PKP<sub>1</sub>, PKP<sub>2</sub> = Dos ramas de PKP que han atravesado el núcleo central más allá de 145° de distancia epicentral.

SKS = Onda que ha sido transversal en las rocas que cubren el núcleo y longitudinal en el núcleo central.

SKP, PKS = Ondas que han sido transversales o longitudinales en las capas que cubren el núcleo y longitudinales en el núcleo.

PSKS, pPKP, (= pPKS, = Ondas longitudinales o transversales que han sido reflejadas una vez en la superficie de la tierra y que han atravesado el núcleo.  
pSKP, sPKP, (= sP'),  
sPKS, sSKP, etc.

SKKS = Onda transversal en el manto y longitudinal en el núcleo, y que en el núcleo ha sido reflejada una vez en su superficie.

SKSP = Onda SKS, que ha sido reflejada interiormente en la superficie de la tierra y que en su reflexión ha recibido un carácter longitudinal.

PKKP = Onda longitudinal en las capas que cubren el núcleo y en el núcleo y que en el núcleo ha sido reflejada una vez en su superficie interior.

T = Onda que se propaga como onda sonora a través del océano.

- L = Ondas superficiales de tipo Love ( corto periodo ) o de tipo Rayleigh.
- M = Movimiento máximo de las ondas superficiales.
- W<sub>2</sub> = Ondas superficiales que han llegado a la estación después de haber pasado por los antipodas.
- W<sub>3</sub> = Ondas superficiales que han llegado a la estación por segunda vez después de haber pasado por los antipodas y el foco.

En los temblores cercanos cuya distancia epicentral es menor de 1.000 kms.

- Pn = Onda primaria normal idéntica a P.
- Sn = Onda secundaria normal idéntica a S.
- Pg = Onda primaria cuyo recorrido se efectúa en la capa continental o granítica.
- Sg = Onda secundaria cuyo recorrido se efectúa en la capa continental o granítica.
- P\* = Onda primaria cuyo recorrido se efectúa a lo largo de la cumbre de las capas intermedias, excepto en las distancias más cortas, en que va por la capa superficial.
- S\* = Onda secundaria cuyo recorrido se hace a lo largo de la cumbre de las capas intermedias, excepto para las distancias cortas, en que va por la capa superficial.

B) - Naturaleza del movimiento y datos adicionales.

- i = ( Impetu ) comienzo brusco y claramente definido de una fase u onda.
- e = ( emersión ) comienzo débil de una onda.
- ( ZNE ) = Indica que la onda ha sido registrada en los tres componentes; Z = componente vertical; N = componente N-S y E = componente E-W.
- H = Hora del sismo en el foco, expresada en Tiempo Universal ( Hora de Greenwich ) contada de media noche a media noche.
- h = Profundidad del foco en kilómetros ( se refiere a los terremotos de foco profundo ).
- S-P = Diferencia entre las llegadas de las ondas S y P con la que se calcula la distancia de la estación al epicentro según las tablas de Macelwane y Jeffreys.
- + = Comp. = Compresión de la onda P o PKP.
- = Dil. = Dilatación de la onda P o PKP.
- CGS = United States Coast and Geodetic Survey.
- μ = Micra = 0.001 m. m.

Los nombres geográficos indican tan solo la región general del epicentro.

El primer análisis de los sismogramas ha sido elaborado por el Sr. Francisco Alfonso Miranda, Ayudante de la Sección de Sismología del Instituto Geofísico de los Andes Colombianos.

La corrección del reloj se hace en los sismogramas por señales recibidas varias veces al día en la NSS = U.S. Naval Radio Station, Annapolis, Maryland, Estados Unidos.

JESUS EMILIO RAMIREZ S.J.  
Director del Instituto Geofísico de los Andes Colombianos

Estación	Componente	Amplitud	Período	Observaciones
BOGOTÁ	SP	10	0.2	
	SN	15	0.3	
	SE	12	0.25	
	SW	11	0.2	
CALLEJALAMA	SP	8	0.2	
	SN	12	0.3	
	SE	10	0.25	
	SW	9	0.2	
CUCUTA	SP	15	0.3	
	SN	20	0.4	
	SE	18	0.35	
	SW	17	0.3	
MAGUI	SP	12	0.25	
	SN	18	0.35	
	SE	15	0.3	
	SW	14	0.25	





10 Febrero de 1957											
No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en k.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en k.
36	31	22°S. 66°W. H=00 47 00 (CGS) BOGOTA			150	42	6	L (NE) 13 14 30 M (NE) 13 16 00 CHINCHINA			1700
		eP (ZNE) 00 52 40 iS (NE) 01 57 34 CHINCHINA			3200			eP (ZNE) 13 09 48 iS (NE) 13 12 50 L (NE) 13 14 00 M (NE) 13 15 00 GALERAZAMBA			
37	1	Feb. BOGOTA			305			eP (NE) 13 10 13 iS (NE) 13 11 28 L (NE) 13 14 30 M (NE) 13 16 30			
		iP (ZNE) 07 24 12 iS (ZNE) 07 24 46				43	7	BOGOTA			325
38	4	10°N. 84°W. H=09 01 55 (CGS) Cerca a la Costa de COSTA RICA CHINCHINA						iP (ZNE) 15 14 07 iS (ZNE) 15 14 37 CHINCHINA			
		eP (ZNE) 09 04 06 iPR <sub>1</sub> ? (ZNE) 09 04 23 iS (NE) 09 05 57				44	9	BOGOTA			
39	4	De la Costa Sur de PANAMA BOGOTA						eP (ZNE) 06 08 28 i (ZNE) 06 12 12			
		eP (NE) 16 41 10 iS? (NE) 16 42 50 CHINCHINA				45	9	7°5N. 83°W. H = 07 23 18 (CGS) De la Costa S. de PANAMA BOGOTA			990
		eP (ZNE) 16 39 45 e (NE) 16 41 08						iP (ZNE) 07 25 21 iS (NE) 07 27 05 CHINCHINA			735
40	4	BOGOTA			155			iP (ZNE) 07 24 58 iS (NE) 07 26 16			
		eP (ZNE) 22 10 19 iS? (ZNE) 22 10 48 CHINCHINA				46	10	BOGOTA			275
		eP (ZNE) 22 09 01 iS (ZNE) 22 09 20						iP (ZNE) 15 06 03 iS (ZNE) 15 06 34 CHINCHINA			340
41	5	25°5N. 45°5W. H=04 51 20 (CGS) Del ATLANTICO MEDIO BOGOTA						iP (ZNE) 15 06 11 iS (ZNE) 15 06 49			
		ePR <sub>1</sub> (ZNE) 04 59 18 iPR <sub>2</sub> (NE) 04 59 40 i (NE) 05 05 06 L (NE) 05 08 00 M (NE) 05 11 00 CHINCHINA			4000	47	10	10°N. 126°E. H= 22 32 15 De Mindanao, ISLAS FILIPINAS BOGOTA			
		eP (ZNE) 04 53 18 eS (NE) 05 04 04 L (NE) 05 08 00 M (NE) 05 11 00						ePKP (ZNE) 22 52 15 CHINCHINA			
42	6	2°N. 91°W. H= 13 06 13 (CGS) ISLAS GALAPAGOS BOGOTA			2000			iPKP <sub>1</sub> (ZNE) 22 52 10 i (ZNE) 22 52 19 L (NE) 23 46 00 M (NE) 23 57 00 GALERAZAMBA			
		iP (ZNE) 13 10 18 iS (NE) 13 13 43						L (NE) 22 45 00 M (NE) 22 56 00			

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No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en k.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en k.
48	10	10°N. 126°E. H=22 50 52 De Mindanao, ISLAS FILIPINAS BOGOTA						iPKP? (ZNE) 23 11 09 CHINCHINA			
		iPKP <sub>1</sub> (ZNE) 23 10 48 i (ZNE) 23 10 56 L (NE) 24 04 00 M (NE) 24 15 00 GALERAZAMBA						L (NE) 00 03 00 M (NE) 00 14 00			
49	11	Réplica de las ISLAS FILIPINAS BOGOTA				54	18	25°5N. 45°5W. H=14 49 30 (CGS) Del Atlántico Medio BOGOTA			3950
		ePKP (ZNE) 01 34 45 iPR (NE) 01 38 18 CHINCHINA						eP (NE) 14 56 33 iPR <sub>1</sub> (NE) 14 57 40 iS? (NE) 15 02 20 iSR <sub>1</sub> (NE) 15 04 26 L (NE) 15 06 00 M (NE) 15 09 00			
		iPKP <sub>1</sub> (ZNE) 01 34 38 i (ZNE) 01 34 50 L (NE) 02 29 00 M (NE) 02 40 00 GALERAZAMBA				55	18	11°5S. 78°W. H=23 49 52 (CGS) Cerca a la Costa del PERU BOGOTA			1900
		L (NE) 02 28 00 M (NE) 02 39 00						iP (ZNE) 23 53 40 iS (NE) 23 56 56 iL (NE) 23 58 00 M (NE) 24 00 00 CHINCHINA			
50	13	BOGOTA			295			iP (ZNE) 23 53 42 iS (NE) 23 56 46 L (NE) 23 58 00 M (NE) 24 00 00 GALERAZAMBA			
		iP (ZNE) 01 35 34 iS (ZNE) 01 36 07 CHINCHINA			350			eS (NE) 23 58 54 L (NE) 00 01 00 M (NE) 00 03 00			
		iP (ZNE) 01 35 45 eS (ZNE) 01 36 24				51	13	BOGOTA			
								eP (ZNE) 16 44 07 iS? (NE) 16 45 11 i (NE) 16 45 24 CHINCHINA			
								iP (ZNE) 16 43 51 eS? (ZNE) 16 44 38			
51	13	BOGOTA				56	19	BOGOTA			275
		iP (ZNE) 06 30 27 iS (ZNE) 06 31 01						iP (ZNE) 06 17 17 iS (ZNE) 06 17 48			
52	16	BOGOTA			305	57	20	36°5N. 9°E. H=04 41 00 (CGS) Norte de TUNISIA CHINCHINA			
		iPKP <sub>1</sub> (ZNE) 22 52 10 i (ZNE) 22 52 19 L (NE) 23 46 00 M (NE) 23 57 00 GALERAZAMBA						iP (ZNE) 04 53 29			
		L (NE) 22 45 00 M (NE) 22 56 00				58	20	BOGOTA			265
								iP (NE) 21 21 48 iS (NE) 21 22 18			
53	17	16°N. 96°5W. H=15 46 45 (CGS) De Oaxaca, MEXICO BOGOTA			2780	59	20	2°N. 97°E. H=21 58 23 (CGS) Cerca a la Costa de SUMATRA CHINCHINA			
		iP (ZNE) 15 52 13 i (NE) 15 52 27 iS (NE) 15 56 41 L (NE) 15 59 00 M (NE) 16 01 30						iPKP <sub>1</sub> (ZNE) 22 18 32 iPKP <sub>2</sub> (ZNE) 22 19 48			







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Marzo de 1957

No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.
98	18	CHINCHINA						CHINCHINA			
		iPKP (ZNE)		21 33 31				iPKP <sub>1</sub> (ZNE)		05 32 19	
		iSKS (NE)		21 36 59				iPKP <sub>1</sub> ? (ZNE)		05 32 40	
		GALERAZAMBA						iPKP <sub>2</sub> ? (ZNE)		05 33 09	
		iSKS (NE)		21 37 10				GALERAZAMBA			
		i (NE)		21 37 36				iPKP <sub>1</sub> E- (ZNE)		05 32 20	
99	19	51°5N. 175°W. H=12 50 51 (CGS) ISLAS ALEUSIANAS BOGOTA						iPKP <sub>2</sub> (ZNE)		05 32 43	
		eP (ZNE)		13 04 12				iSKKS (NE)		05 43 00	
		iSKS (NE)		13 14 54				L (NE)		06 26 00	
		iSKKS (NE)		13 15 36				M (NE)		06 38 00	
		GALERAZAMBA				104	24	51°N. 130°W. H=08 22 23 (CGS) BOGOTA			
		eP (ZNE)		13 03 47				iP (NE)		08 33 15	
		iS? (NE)		13 14 39				iS (NE)		08 42 04	
		L (NE)		13 34 00				CHINCHINA			
		M (NE)		13 41 00				iP (ZNE)		08 33 00	
								iS (NE)		08 41 48	
100	21	14°5N. 93°W. H=08 44 46 (CGS) BOGOTA			2400			GALERAZAMBA			
		eP (ZNE)		08 49 33				iP (ZNE)		08 32 35	
		iS (NE)		08 53 37				iS (NE)		08 40 58	
		CHINCHINA						L (NE)		08 52 00	
		eP (Z)		08 49 18				M (NE)		08 57 00	
		eS? (Z)		08 53 09				ISLAS ALEUSIANAS			
101	22	54°N. 166°W. H=14 21 06 (CGS) ISLAS ALEUSIANAS BOGOTA						GALERAZAMBA			
		iP (ZNE)		14 33 56				L (NE)		11 54 00	
		iSKS (NE)		14 44 14				M (NE)		12 03 00	
		iS (NE)		14 44 29				BOGOTA			460
		CHINCHINA						eP (ZNE)		02 26 53	
		eP (ZNE)		14 33 49				iS (ZNE)		02 27 43	
		iSKS (NE)		14 44 07				CHINCHINA			
102	22	54°N. 160°W. H=14 21 06 (CGS) ISLAS ALEUSIANAS GALERAZAMBA						eP (ZNE)		02 32 36	
		iP (NE)		14 33 31				e (NE)		02 36 06	
		iS (NE)		14 43 45				L (NE)		02 37 00	
		L (NE)		15 02 00				M (NE)		02 38 00	
		M (NE)		15 09 00				GALERAZAMBA			
								eP (ZNE)		02 26 31	
103	23	5°5S. 131°E. H=05 12 31 h=100 kms. (CGS) Del MAR DE BANDA						iS? (ZNE)		02 26 55	
		BOGOTA						BOGOTA			2170
		ePKP <sub>1</sub> (NE)		05 32 23				iP (ZNE)		02 32 59	
		i (NE)		05 33 21				iPR <sub>1</sub> (NE)		02 33 23	
		iSR <sub>1</sub> (NE)		05 55 55				iS (NE)		02 36 38	
		L (NE)		06 26 00				L (NE)		02 38 30	
		M (NE)		06 37 00				M (NE)		02 40 30	

Boletín Sísmico

Abril de 1957

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No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en k.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en k.
107	25	GALERAZAMBA						CHINCHINA			275
		eP (ZNE)		02 32 26				eP (ZNE)		02 33 54	
		eS? (NE)		02 35 23				iS (ZNE)		02 34 25	
		L (NE)		02 37 00				52°N. 172°5W. H=02 49 39 (CGS) ISLAS ALEUSIANAS BOGOTA			
		M (NE)		02 39 00				eP (NE)		03 02 57	
108	29	53°5N. 167°W. H=05 10 28 (CGS) ISLAS ALEUSIANAS BOGOTA						iSKS (NE)		03 13 23	
		eP (NE)		05 23 24				L (NE)		03 34 00	
		iSKS (NE)		05 33 42				M (NE)		03 41 00	
		iSKKS (NE)		05 34 02				CHINCHINA			
		L (NE)		05 51 00				iP (ZNE)		03 02 45	
		M (NE)		05 57 00				iS (NE)		03 13 36	
		CHINCHINA						L (NE)		03 33 00	
		eP (ZNE)		05 23 16				M (NE)		03 40 00	
		iSKS (NE)		05 33 36				GALERAZAMBA			
		iSKKS (NE)		05 33 52				L (NE)		03 33 00	
		L (NE)		05 50 00				M (NE)		03 40 00	
		M (NE)		05 56 00				26°5S. 177°W. H=07 30 22 h=100 kms. (CGS) ISLAS KERMADEC BOGOTA			
109	31	CHINCHINA			335			iSKS (NE)		07 54 53	
		eP (ZNE)		16 35 59				iSKKS (NE)		07 55 37	
		iS (ZNE)		16 36 36				L (NE)		08 20 00	
		Abril						M (NE)		08 28 00	
110	1	4°5N. 129°E. H=07 54 20 (CGS) h=100 kms. ISLAS MOLUCAS CHINCHINA						CHINCHINA			
		ePKP <sub>1</sub> (ZNE)		08 14 10				iSKS (NE)		07 54 47	
		i (ZNE)		08 14 18				iPS (NE)		07 57 43	
		iPKP <sub>2</sub> (ZNE)		08 14 33				L (NE)		08 20 00	
111	3	H=17 11 30 (BCIS) Costa del PERU BOGOTA						CHINCHINA			
		eP (E)		17 16 20				iSKS (NE)		07 54 47	
		iS (E)		17 20 20				iPS (NE)		07 57 43	
		CHINCHINA						L (NE)		08 20 00	
		eP (ZNE)		17 16 20				12°5N. 88°W. H=16 12 20 (CGS) Cerca a la Costa de NICARAGUA BOGOTA			
		eS (NE)		17 20 22				iP (N+)(NE)		16 16 00	
		L (NE)		17 22 00				iPR <sub>1</sub> (NE)		16 16 14	
		M (NE)		17 24 00				iS (NE)		16 19 01	
112	4	H=11 00 20 (CGS) Sur de la Provincia de Mendoza, ARGENTINA CHINCHINA						iSR <sub>1</sub> (NE)		16 19 32	
		eP (ZNE)		11 08 18				L (NE)		16 20 30	
		eS (NE)		11 14 24				M (NE)		16 21 30	
		BOGOTA						CHINCHINA			
		eP (ZNE)		11 08 18				eP (ZNE)		16 15 40	
		iS (NE)		11 14 24				i (ZNE)		16 16 02	
		CHINCHINA						L (NE)		16 20 30	
		eP (ZNE)		02 34 20				M (NE)		16 21 30	
		iS (NE)		02 35 01				1°S. 137°5E. H=10 14 08 (CGS) Cerca a la Costa Norte de NUEVA GUINEA CHINCHINA			
113	5	BOGOTA			375			ePKP <sub>1</sub> (ZNE)		10 33 52	

No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en k.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en k.
117	7	iPKP <sub>2</sub> (ZNE) M (NE) GALERAZAMBA L (NE) M (NE)		10 34 01 11 31 00		121	10	14°N. 91°5W. H=07 28 03 (CGS) De Guatemala BOGOTA iP (E-) (NE) iS (NE) CHINCHINA iP (ZNE) eS (NE) L (NE) M (NE)		07 32 37 07 36 31 07 32 17 07 35 54 07 37 30 07 38 00	2340 2150
118	8	8°5N. 83°W. H=20 18 09 (CGS) Frontera PANAMA-COSTA RICA BOGOTA eP (NE) i (NE) iS (NE) CHINCHINA eP (ZNE) iS (NE)		20 20 31 21 20 40 20 22 24 20 20 10 20 21 46	1070 915	122	10	56°N. 154°W. H=11 29 58 (CGS) ISLAS KODIAK BOGOTA iP (ZNE) iS (NE) iSR <sub>1</sub> (NE) L (NE) M (NE) CHINCHINA eP (ZNE) iS (NE) iSR <sub>1</sub> (NE) iSR <sub>2</sub> (NE) L (NE) M (NE) GALERAZAMBA iS (NE) L (NE) M (NE)		11 42 14 11 52 12 11 57 34 12 08 00 12 14 00 11 42 05 11 52 06 11 57 21 12 00 50 12 08 00 12 15 00 11 51 19 12 06 00 12 11 00	
119	9	30°5N. 138°5E. H=00 24 39 h=450 kms. (CGS) Frente a la Costa Sur de Honshu, JAPON BOGOTA iPKP <sub>1</sub> (ZNE) iSPKP (ZNE) iPKS (NE) ipPP (NE) iSKS (NE) iSKKS (NE) CHINCHINA iPKP <sub>1</sub> (ZNE) ipPKP <sub>1</sub> (ZNE) iSPKP (ZNE) isPKP <sub>1</sub> (ZNE) iPKS (ZNE) ipPR <sub>1</sub> (ZNE)		00 43 14 00 45 34 00 46 42 00 47 18 00 49 10 00 50 54 00 43 06 00 44 54 00 45 34 00 45 49 00 46 38 00 47 07		123	13	48°5N. 128°W. H=03 44 00 (CGS) Frente a la Costa de VANCOUVER BOGOTA eP (NE) iS (NE)		03 54 42 04 03 15	6900
120	10	15°5N. 98°W. H=05 12 08 (CGS) Cerca a la Costa de Oaxaca, MEXICO BOGOTA iP (N+E-) (NE) iS (NE) L (NE) M (NE) CHINCHINA iP (ZNE) iPR <sub>1</sub> (ZNE) eS (NE) L (NE) M (NE) GALERAZAMBA iS (NE) i (NE) L (NE) M (NE)		05 17 46 05 22 22 05 25 00 05 27 00 05 17 29 05 18 01 05 21 56 05 24 30 05 26 30 05 21 03 05 21 33 05 23 00 05 25 00	2890 2780	124	13	19°S. 69°5W. H=15 39 43 h=150 kms. (CGS) Del N-E de CHILE BOGOTA iP (NE) iPcP (NE) iS (NE) i (NE) CHINCHINA eP (ZNE) eS? (ZNE)		15 44 53 15 48 51 15 49 51 15 53 17 15 44 57 15 50 02	
						125	14	31°N. 84°5E. H=07 11 50 (CGS) Del S-E del TIBET BOGOTA iPKP? (NE) ePR <sub>1</sub> (NE)		07 31 39 07 34 15	

No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en k.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en k.
125	14	GALERAZAMBA L (NE) M (NE)		08 16 00 08 26 00		128	17	14°5N. 92°W. H=18 09 26 (CGS) Frontera de MEXICO Y GUATEMALA BOGOTA iP (N+E-) (NE) iPR <sub>1</sub> (NE) iS (NE) i (NE) L (NE) M (NE)		04 36 02 04 37 56 04 38 45 04 23 15 04 25 12 04 29 08 04 34 28 18 14 08 18 14 25 18 18 00 18 18 20 18 20 00 18 21 30	
126	14	15°5S. 173°W. H=19 17 57 (CGS) De SAMOA BOGOTA eP (NE) ePR <sub>1</sub> (NE) iSKS (NE) iSKKS (NE) iSR <sub>1</sub> (NE) L (NE) M (NE) CHINCHINA eP (ZNE) iPR <sub>1</sub> (NE) iSKS (NE) iSKKS (NE) iSR <sub>1</sub> (NE) L (NE) M (NE) GALERAZAMBA iSKS (NE) iS (NE) i (NE) L (NE) M (NE)		19 31 42 19 35 58 19 42 26 19 43 08 19 50 32 20 06 00 20 14 00 19 31 45 19 35 47 19 42 21 19 43 18 19 50 09 20 04 00 20 12 00 19 42 34 19 43 26 19 44 00 20 06 00 20 13 00		129	19	52°N. 166°5W. H=22 19 26 (CGS) ISLAS ALEUSIANAS BOGOTA iP (N) (Z-Dil.) (NE) iS (NE) iPS (NE) iPPS (NE) L (NE) M (NE) CHINCHINA iP (ZNE) i (ZNE) iS (NE) L (NE) M (NE)		22 19 26 22 32 18 22 42 58 22 43 54 22 44 20 23 01 00 23 08 00 22 32 14 22 32 32 22 42 50 22 56 00 23 03 00	
127	16	4°5S. 107°5E. H=04 04 04 h=600 kms. (CGS) Al W. del Mar de JAVA BOGOTA iPKP <sub>1</sub> (Z-) (ZNE) ipPKP (ZNE) ipPKP <sub>2</sub> ? (ZNE) isP <sub>2</sub> ? (ZNE) iSKS (ZNE) isPR <sub>1</sub> (ZNE) iPR <sub>2</sub> (ZNE) ipPR <sub>2</sub> (ZNE) i (ZNE) iSKP (ZNE) CHINCHINA iPKP <sub>1</sub> (Z-Dil.) (ZNE) iPKP <sub>2</sub> ? (ZNE) ipPKP <sub>1</sub> (ZNE) ipPKP <sub>2</sub> ? (ZNE) ipPR <sub>1</sub> (ZNE) isPR (ZNE) iSKKS? (ZNE) ipPR <sub>2</sub> (ZNE) ipPR <sub>3</sub> ? (ZNE) i (ZNE)		04 23 12 04 25 10 04 27 17 04 27 52 04 29 04 04 31 08 04 32 04 04 34 17 04 34 52 04 37 58 04 23 13 04 25 02 04 25 26 04 27 09 04 31 00 04 32 06 04 34 10 04 34 44 04 35 00 04 35 44		130	20	BOGOTA eP (NE) e (NE)		16 59 43 17 09 39	
						131	21	7°N. 72°W. H=21 12 26 (CGS) Frontera COLOMBO-VENEZOLANA. Sentido levemente en Bogotá BOGOTA eP (E) (NE) iS (NE) CHINCHINA iP (ZNE) i (ZNE) iS (ZNE) GALERAZAMBA eP (ZNE) i (NE)		21 13 16 21 13 58 21 13 30 21 13 37 21 14 21 21 13 46 21 13 58	360 470 560

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No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.												
131	21	iPg iS	(NE) (NE)	21 14 14 21 14 46				CHINCHINA iP i iS	(ZNE) (ZNE) (ZNE)	15 38 45 15 38 56 15 39 31													
132	22	Frontera COLOMBO VENEZOLANA BOGOTA			345	139	22	BOGOTA			380												
		eP i iS	(ZNE) (ZNE) (NE)	01 09 44 01 10 15 01 10 22				eP iS	(ZNE) (ZNE)	16 01 04 16 01 46													
		CHINCHINA			435	140	22	BOGOTA			380												
		eP iS i	(ZNE) (NE) (NE)	01 09 57 01 10 54 01 11 03				eP iS	(ZNE) (ZNE)	22 18 54 22 19 36													
133	22	BOGOTA	Sn. Pn. =335 kms.			141	23	BOGOTA			380												
		ePn iSn iS*	(ZNE) (ZNE) (ZNE)	01 31 14 01 31 51 01 31 57				eP iS	(NE) (NE)	00 10 15 00 10 57													
134	22	BOGOTA			360	142	23	BOGOTA			345												
		eP iS	(ZNE) (ZNE)	01 47 00 01 47 40				eP iS	(NE) (NE)	08 31 54 08 32 32													
135	22	BOGOTA			325	143	23	BOGOTA			375												
		eP iS iS*	(ZNE) (ZNE) (ZNE)	04 15 50 04 16 26 04 16 32				eP iS CHINCHINA eP eS	(ZNE) (ZNE) (ZNE) (ZNE)	17 58 12 17 58 53 17 58 23 17 59 15	480												
136	22	BOGOTA			315	144	23	27°S. 68°W. 21 58 35 (CGS) Norte de la Frontera CHILENO-ARGENTINA			3450												
		eP eS	(NE) (NE)	07 53 10 07 53 45				BOGOTA eP iS L M	(ZNE) (ZNE) (NE) (NE)	22 05 09 22 10 22 22 14 00 22 17 00	3600												
137	22	7°N. 72°W. H=13 43 14 (CGS) Réplica de la Frontera COLOMBO-VENEZOLANA			355			CHINCHINA eP iS L M	(ZNE) (ZNE) (NE) (NE)	22 05 12 22 10 35 22 14 00 22 17 00	450												
		BOGOTA						GALERAZAMBA iS L M	(NE) (NE) (NE)	22 11 55 22 18 00 22 21 00													
		CHINCHINA						BOGOTA			285												
		eP iS	(NE) (NE)	13 44 08 13 44 47				eP iS	(NE) (NE)	10 40 30 10 41 02													
		GALERAZAMBA						CHINCHINA			345												
		eP iS?	(NE) (NE)	13 44 42 13 45 46				eP iS	(ZNE) (ZNE)	10 40 36 10 41 14													
138	22	7°N. 72°W. H=15 37 20 (CGS) Réplica de la Frontera COLOMBO-VENEZOLANA			375	145	24	BOGOTA			285												
		BOGOTA						eP iS	(NE) (NE)	10 40 30 10 41 02													
		eP iP* iS	(ZNE) (ZNE) (ZNE)	15 38 14 15 38 21 15 38 55				eP iS	(ZNE) (ZNE)	10 40 36 10 41 14													

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No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.													
146	24	36°N. 28°E. H=19 10 05 (CGS) De TURQUIA						BOGOTA eP iS iS L M	(NE) (NE) (NE) (NE)	19 23 48 19 34 09 19 57 00 20 04 00														
		CHINCHINA						CHINCHINA iS L M	(ZNE) (NE) (NE)	19 34 22 19 57 00 20 04 00														
		GALERAZAMBA						GALERAZAMBA iS i L M	(NE) (NE) (NE) (NE)	19 34 06 19 34 47 19 37 59 19 55 00 20 02 00														
147	25	36°5N. 29°E. H=02 25 36 (CGS) Cerca a la Costa Sur de TURQUIA						BOGOTA eP iS L M	(NE) (NE) (NE)	02 39 10 02 49 40 03 12 00 03 19 00														
		CHINCHINA						CHINCHINA eP iS L M	(ZNE) (NE) (NE)	02 39 15 02 49 51 03 12 00 03 19 00														
		GALERAZAMBA						GALERAZAMBA eP iS iS iSR1 L M	(NE) (NE) (NE) (NE) (NE)	02 39 08 02 49 34 02 50 04 02 57 07 03 11 00 03 18 00														
148	25	0°7N. 78°7W. H=04 17 55 ECUADOR						BOGOTA eP iS?	(NE) (NE)	04 19 40 04 21 06														
149	25	33°N. 115°W. H=21 57 36 (CGS) De California, ESTADOS UNIDOS DE AMERICA						GALERAZAMBA L M	(NE) (NE)	22 19 00 22 25 00														
150	26	BOGOTA						BOGOTA eP	(ZNE)	02 30 06	410													
		CHINCHINA						iS	(ZNE)	02 30 51	400													
		GALERAZAMBA						eP iS	(ZNE) (ZNE)	02 30 30 02 31 14	695													
151	28	7°N. 127°E. H=01 23 40 (CGS) Frente a la Costa de Mindanao, ISLAS FILIPINAS						BOGOTA ePKP1 iPKP2 L M	(ZNE) (ZNE) (NE) (NE)	01 43 43 01 44 12 02 37 00 02 49 00														
		CHINCHINA						CHINCHINA iPKP1 i iPKP2 iPR1 iSKKS L M	(ZNE) (ZNE) (ZNE) (NE) (NE) (NE)	01 43 38 01 43 47 01 44 03 01 47 48 01 54 24 02 37 00 02 49 00														
		GALERAZAMBA						GALERAZAMBA ePKP1 iPKP2 L M	(NE) (NE) (NE) (NE)	01 43 35 01 44 50 02 36 00 02 48 00														
152	28	Del Ecuador						BOGOTA eP (N+) iS	(ZNE) (ZNE)	19 51 16 19 52 00	400													
		GALERAZAMBA						GALERAZAMBA iP	(NE)	19 53 02														
153	29	22°S. 66°W. H=10 11 53 h=200 kms. (CGS) Frontera ARGENTINO-BOLIVIANA						BOGOTA iP iS	(ZNE) (ZNE)	10 17 26 10 22 05														
154	29	9°S. 107°E. H=20 55 57 (CGS) Frente a la Costa Sur de JAVA						BOGOTA ePKP1 iPR1	(NE) (NE)	21 18 16 21 21 59														



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No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.
		L	(NE)	02 22 00		181	25	BOGOTA			225
		M	(NE)	02 34 00				eP (ZNE)		20 38 50	
								iS (NE)		20 39 18	
174	22	BOGOTA			395	182	26	41°N. 31°E. H=06 33 31 (CGS) De TURQUIA BOGOTA			
		eP	(ZNE)	11 05 48				eP (ZNE)		06 47 40	
		iS	(ZNE)	11 06 29				iPR <sub>1</sub> (NE)		06 51 40	
		i	(NE)	11 06 34				iSKS (NE)		06 57 49	
175	22	50°N. 177°W. H=13 29 44 (CGS) ISLAS ALEUSIANAS BOGOTA						L (NE)		07 20 00	
		eP	(ZNE)	13 43 09				M (NE)		07 28 00	
		iSKS	(NE)	13 53 45				CHINCHINA			
		iS	(NE)	13 45 26				iSKS (NE)		06 57 53	
		L	(NE)	14 15 00				iPS (NE)		07 00 23	
		M	(NE)	14 23 00				iPPS (NE)		07 01 15	
		CHINCHINA						iSR <sub>1</sub> (NE)		07 05 41	
		eP	(ZNE)	13 43 03				L (NE)		07 21 00	
		iSKS	(NE)	13 53 39				M (NE)		07 29 00	
		GALERAZAMBA						GALERAZAMBA			
		iPPS	(NE)	13 54 44				eSKS (NE)		06 57 42	
		L	(NE)	14 11 00				iSKKS (NE)		06 58 10	
		M	(NE)	14 18 00				L (NE)		07 19 00	
								M (NE)		07 26 00	
176	24	3°N. 76°5W. H=02 37 37 Del Cauca, COLOMBIA CHINCHINA			710	183	27	4°N. 83°W. H=10 55 16 (CGS) Frente a la Costa W. de COLOMBIA BOGOTA			
		iP	(ZNE)	02 38 20				eP (ZNE)		10 57 26	
		iP	(ZNE)	02 39 40				iS (ZNE)		10 59 01	
		iS	(NE)	02 40 55				CHINCHINA			
		CHINCHINA						eP (ZNE)		10 57 02	
		eP	(ZN)	04 29 09				eS? (NE)		10 58 27	
		iS	(ZN)	04 29 43				BOGOTA			
		CHINCHINA						eP (ZNE)		06 11 18	195
		eP	(ZNE)	15 18 47				iS (ZNE)		06 11 41	
		iS	(ZNE)	15 19 09				CHINCHINA			
		CHINCHINA						eP (ZNE)		09 48 11	175
		eP	(ZNE)	15 18 47				iS (ZNE)		09 48 32	
		iS	(ZNE)	15 19 09				BOGOTA			
		BOGOTA						eP (ZNE)		07 34 18	4440
		eP	(ZNE)	16 52 06				iS (NE)		07 40 32	
		i	(NE)	16 54 57				L (NE)		07 45 00	
								M (NE)		07 48 00	
180	25	25°5S. 65°W. H=14 23 37 (CGS) Provincia de Salta ARGENTINA BOGOTA			3660	186	29	14°S. 112°W. H=07 26 07 (BCIS) BOGOTA			
		eP	(ZNE)	14 29 54				eP (ZNE)		07 33 51	4500
		iS	(NE)	14 35 21				iS (NE)		07 40 09	
		L	(NE)	14 39 00				L (NE)		07 45 00	
		M	(NE)	14 42 00				M (NE)		07 48 00	

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No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.	
186	28	GALERAZAMBA				190	2	BOGOTA			275	
		iS	(NE)	07 41 04				eP (ZNE)		18 52 55		
		L	(NE)	07 47 00				iS (ZNE)		18 53 26		
		M	(NE)	07 51 00				BOGOTA				
		BOGOTA						eP (ZNE)		12 26 10		
187	31	27°5S. 63°W. H=02 16 27 (CGS) h=800 kms. Provincia de Santiago del Estero ARGENTINA BOGOTA				191	5	BOGOTA				
		iP (N*)	(ZNE)	02 22 24				i (NE)		12 26 24		
		iS	(ZNE)	02 27 06				iS? (NE)		12 34 11		
		i	(NE)	02 30 11				CHINCHINA				
		iScS	(NE)	02 31 40				iP (ZNE)		05 58 25	335	
		CHINCHINA						iS (ZNE)		05 57 02		
		iP (Z-Dil.)	(ZE)	02 22 33				GALERAZAMBA				
		iS	(ZE)	02 27 19				eP (ZNE)		05 57 39		
		i	(E)	02 30 40				iS? (ZNE)		05 58 16		
		iScS	(E)	02 31 46				BOGOTA				
		GALERAZAMBA						ePKP <sub>1</sub> (ZNE)		01 20 07		
		iP	(ZNE)	02 23 16				iPKP <sub>2</sub> (ZNE)		01 21 13		
		iPR <sub>1</sub>	(ZNE)	02 25 18				iPR <sub>1</sub> (NE)		01 25 03		
		iS	(NE)	02 28 41				i (NE)		01 25 34		
		iPcS	(NE)	02 29 05				iSKKS (NE)		01 31 27		
		iS	(NE)	02 32 06				iPSKS (NE)		01 35 37		
		BOGOTA						iSR <sub>1</sub> (NE)		01 45 47		
		BOGOTA						L (NE)		02 34 00		
		BOGOTA						M (NE)		02 47 00		
		BOGOTA						CHINCHINA				
		BOGOTA						ePKP <sub>1</sub> (ZNE)		01 20 04		
		BOGOTA						iPKP <sub>2</sub> (ZNE)		01 21 06		
		BOGOTA						iPR <sub>1</sub> (ZNE)		01 24 53		
		BOGOTA						iSKKS (NE)		01 31 25		
		BOGOTA						i (NE)		01 32 19		
		BOGOTA						iPSKS (NE)		01 35 20		
		BOGOTA						eSR <sub>1</sub> (NE)		01 45 34		
		BOGOTA						L (NE)		02 34 00		
		BOGOTA						M (NE)		02 47 00		
		BOGOTA						GALERAZAMBA				
		BOGOTA						iSKKS (NE)		01 31 34		
		BOGOTA						CHINCHINA				
		BOGOTA						iPKP (ZNE)		03 32 22		
		BOGOTA						iPR <sub>1</sub> (ZNE)		03 35 03		
		BOGOTA						iSKP? (NE)		03 35 41		
		BOGOTA						BOGOTA				
		BOGOTA						iPR <sub>1</sub> (NE)		15 08 19		
		BOGOTA						iSKS (NE)		15 14 19		
		BOGOTA						iPS (NE)		15 17 29		

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No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en k.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en k.
195	11	iSR1 L M	(NE) (NE) (NE)	15 23 01 15 38 00 15 46 00		199	12	BOGOTA eP IS	(ZNE) (ZNE)	23 47 18 23 49 02	400
CHINCHINA						200	13	51°5N. 175°W. H=10 40 38 (CGS) ISLAS ALEUSIANAS BOGOTA			
						eP (ZNE) 10 53 38					
						iPR1 (NE) 10 57 43					
						eSKS (NE) 11 04 03					
						L (NE) 11 25 00					
						M (NE) 11 32 00					
GALERAZAMBA						CHINCHINA					
						eP (ZNE) 10 53 54					
						ISKS (NE) 11 04 16					
						iSKKS (NE) 11 04 49					
						L (NE) 11 25 00					
						M (NE) 11 32 00					
18°N. 120°5E. H=18 49 24 (CGS) Cerca a la Costa de Luzón, ISLAS FILIPINAS BOGOTA						GALERAZAMBA					
						eP (NE) 10 53 36					
						eS (NE) 11 04 15					
						L (NE) 11 23 00					
						M (NE) 11 30 00					
196 11						201	14	52°N. 175°W. H=06 24 20 (CGS) ISLAS ALEUSIANAS BOGOTA			
						eP (ZNE) 06 37 54					
						ISKS (NE) 06 48 08					
						IS (NE) 06 49 06					
						eSR1 (NE) 06 55 18					
						L (NE) 07 10 00					
						M (NE) 07 17 00					
						CHINCHINA					
						iP (ZNE) 06 37 38					
						ISKS (NE) 06 48 03					
						iSKKS (NE) 06 48 42					
						IS (NE) 06 49 02					
						L (NE) 07 10 00					
						M (NE) 07 17 00					
52°N. 176°W. H=23 53 57 (CGS) ISLAS ALEUSIANAS CHINCHINA						GALERAZAMBA					
						IS (NE) 06 48 13					
						L (NE) 07 09 00					
						M (NE) 07 16 00					
197 12						202	15	34°S. 56°E. H=00 44 15 (CGS) OCEANO INDICO GALERAZAMBA			
						L (NE) 01 47 00					
						M (NE) 01 57 00					
11°S. 78°W. H=10 02 37 (CGS) Cerca a la Costa del PERU BOGOTA						CHINCHINA					
						eP (ZNE) 10 06 37					
						IS (NE) 10 09 39					
						L (NE) 10 11 00					
						M (NE) 10 12 00					
198 12						203	15	52°N. 171°W. H=18 18 20 (CGS) ISLAS ALEUSIANAS BOGOTA			
						eP (NE) 18 31 43					

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No	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en k.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en k.
203	15	ePR1 iSKS iSKKS L M	(NE) (NE) (NE) (NE) (NE)	18 35 17 18 41 53 18 42 19 19 02 00 19 09 00		209	20	20°N. 145°5E. H=01 06 25 (CGS) ISLAS MARIANAS CHINCHINA			
						iPKP (ZNE) 01 25 42					
						iSKP (ZNE) 01 29 00					
						i (ZNE) 01 29 14					
						i (ZNE) 01 29 54					
						iSKKS (NE) 01 34 50					
						L (NE) 02 15 00					
14°5N. 96°E. H=02 12 12 (CGS) De BURMA BOGOTA						210	20	BOGOTA			480
						eP (ZNE) 02 26 53					
						eS (NE) 02 27 45					
204	18	iPKP1 M	(ZNE) (NE)	02 37 17 03 41 00		211	21	CHINCHINA			305
						iP (ZNE) 03 57 26					
						IS (ZNE) 03 58 00					
16°5S. 176°5E. H=08 01 30 (CGS) ISLAS FIJI GALERAZAMBA						212	21	BOGOTA			60
						eP (NE) 05 40 38					
						IS (NE) 05 40 47					
205	18	L M	(NE) (NE)	08 53 00 09 01 00		213	21	BOGOTA			2170
						eP (NE) 11 01 49					
						eS (NE) 11 05 27					
14°N. 96°E. H=14 48 17 (CGS) Réplica de BURMA BOGOTA						214	22	16°N. 94°W. H=06 19 06 (CGS) Cerca a la Costa de Chiapas, MEXICO BOGOTA			2450
						iP(N-) (ZNE) 06 24 08					
						IS (NE) 06 28 10					
						L (NE) 06 30 00					
						M (NE) 06 32 00					
24°S. 175°5W. H=01 29 48 (CGS) ISLAS TONGA CHINCHINA						CHINCHINA					
						iP(N-) (ZNE) 06 23 51					
						iPR1 (NE) 06 24 15					
						IS (NE) 06 27 50					
						L (NE) 06 30 00					
						M (NE) 06 32 00					
						i (NE) 06 35 12					
						IScS (NE) 06 35 54					
16°5S. 176°5E. H=08 01 30 (CGS) ISLAS FIJI BOGOTA						GALERAZAMBA					
						iP (ZNE) 06 24 04?					
						IS? (NE) 06 27 57?					
						L (NE) 06 28 00					
						M (NE) 06 30 00					
207	19	iPR1 iSR1 L M	(NE) (NE) (NE) (NE)	08 20 44 08 36 10 08 53 00 09 01 00		215	22	16°N. 45°5W. H=19 22 22 (CGS) Del Atlántico Medio BOGOTA			
						eP (NE) 19 28 48					
						i (NE) 19 34 50					
						L (NE) 19 38 00					









No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.
277		L (NE) M (NE) GALERAZAMBA		21 24 00 21 27 00		286	26	19°S. 63°W. H=11 28 50 (CGS) Del Sur de BOLIVIA			2960
		eS? (NE) L (NE) M (NE)		21 20 34 21 24 00 21 26 00				BOGOTA			
								iP(N-) (ZNE) iS (NE) L (NE) M (NE)		11 34 24 11 39 04 11 42 00 11 44 00	
278	18	BOGOTA			275			CHINCHINA			2900
		eP (ZNE) iS (NE)		22 54 40 22 55 11				iP(N+) iPR1 (NE) iS (NE) L (NE) M (NE)		11 34 31 11 35 11 11 39 08 11 42 00 11 44 00	
		CHINCHINA			345			GALERAZAMBA			3450
		iP (ZNE) eS (NE)		22 54 51 22 55 29				eP (NE) eS (NE) L (NE) M (NE)		11 35 25 11 40 35 11 43 00 11 46 00	
279	20	CHINCHINA			185			BOGOTA			245
		iP (ZNE) iS (ZNE)		03 56 09 03 56 31		287	26	BOGOTA			
								eP (NE) iS (NE)		13 45 49 13 46 17	
280	21	BOGOTA			500	288	26	2°S. 81°W. H=13 58 43 (CGS) Cerca a la Costa del ECUADOR			
		eP (ZNE) iS (NE)		01 49 27 01 50 21				CHINCHINA			
								iP (NE)		14 00 57	
281	21	BOGOTA			1100			GALERAZAMBA			1460
		eP (ZNE) iS (ZNE)		16 00 08 16 02 09				eP (ZNE) eS (NE) L (NE) M (NE)		14 02 17 14 04 45 14 06 00 14 07 00	
282	22	BOGOTA				289	26	BOGOTA			275
		eP (ZNE) iS? (NE)		22 42 44 22 44 39				eP (NE) iS (NE)		14 25 00 14 25 31	
283	23	6°S. 154°5E. H=02 00 05 (CGS) De NUEVA BRETAÑA				290	26	CHINCHINA			375
		BOGOTA						iP (ZNE) iS (ZNE)		15 25 09 15 25 50	
		iSKP (NE) iPPS? (NE) L (NE) M (NE)		02 22 52 02 34 12 03 03 00 03 13 00		291	26	BOGOTA			1600
		CHINCHINA						iP (NE) iS (NE)		17 32 39 17 35 31	
		ePKP? (ZNE) iSKP (NE)		02 19 46 02 22 44		292	28	21°5S. 69°W. H=23 22 22 (CGS) Norte de CHILE			3050
284	23	BOGOTA						BOGOTA			
		eP (ZNE) iS? (NE) i (NE)		10 16 06 10 18 49 10 19 36				iP (ZNE) iS (NE) L (NE) M (NE)		23 28 15 23 33 00 23 36 00 23 39 00	
285	24	BOGOTA			460			CHINCHINA			255
		eP (ZNE) iS (ZNE)		05 01 07 05 01 57				iP (ZNE) iS (NE) L (NE) M (NE)		05 00 57 05 01 26	

No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.
293	26	19°S. 63°W. H=18 22 18 (CGS) Al Sur de BOLIVIA				301	7	8°5N. 72°W. H=01 10 32 (CGS) Al W. de VENEZUELA Sentido en Cúcuta, COLOMBIA.			580
		CHINCHINA						BOGOTA			
		eP (ZNE)		18 27 59				iP (ZNE) i (ZNE) iS (NE)		01 11 39 01 11 49 01 12 41	
294	29	BOGOTA			50			CHINCHINA			
		eP (ZNE) iS (ZNE)		16 20 06 16 20 14				iP (ZNE) i (ZNE) iS (NE)		01 11 46 01 12 46 01 12 55	
295	30	BOGOTA			345			GALERAZAMBA			
		eP (ZNE) iS (NE) iS* (NE) iSg (NE)		11 30 02 11 30 40 11 30 47 11 30 59				eP (ZNE) iS (NE)		01 11 52 01 12 50	
296	1	BOGOTA				302	7	51°5N. 178°5W. H=10 06 47 (CGS) ISLAS ALEUSIANAS			
		eP (ZNE) iS? (NE) i (NE)		01 44 14 01 45 49 01 47 04				BOGOTA			
								eP (NE) ePR1 (NE) L (NE) M (NE)		10 20 23 10 24 05 10 52 00 11 00 00	
297	2	15°S. 173°5W. H=09 46 30 (CGS) ISLAS SAMOA						CHINCHINA			
		BOGOTA						iP (ZNE) i (ZNE) iSKKS (NE) L (NE) M (NE)		10 20 08 10 20 19 10 31 15 10 52 00 11 00 00	
		iSKS (NE) L (NE) M (NE)		10 10 57 10 34 00 10 42 00				GALERAZAMBA			
298	4	BOGOTA			375			eS (NE) L (NE) M (NE)		10 30 43 10 50 00 10 57 00	
		eP (ZNE) iS (ZNE)		01 42 08 01 42 49		303	9	CHINCHINA			30
299	4	BOGOTA			285			eP (ZNE) eS (ZNE)		09 34 44 09 34 49	
		eP (ZNE) iS (ZNE)		03 56 18 03 55 50		304	10	BOGOTA			285
300	6	20°S. 68°W. H=00 17 55 h=100 kms. (CGS) Frontera CHILE-BOLIVIA						eP (ZNE) eS (ZNE)		05 13 49 05 14 21	
		BOGOTA						CHINCHINA			355
		iP(N+) (ZNE) iS (NE) L (NE) M (NE)		00 23 13 00 28 13 00 31 00 00 33 00				eP (ZNE) eS (ZNE)		05 13 59 05 14 38	
		CHINCHINA				305	10	H=14 43 00 (CGS) ISLAS MALPELO			
		iP (ZNE) iPR1 (ZNE) eS (NE) i (NE)		00 23 19 00 23 54 00 27 48 00 28 35				BOGOTA			
								eP (ZNE) i (NE)		14 44 59 14 46 06	
		GALERAZAMBA						CHINCHINA			895
		eS? (NE) L (NE) M (NE)		00 30 12 00 34 00 00 37 00				eP (NE) eS (NE) L (NE) M (NE)		14 44 36 14 46 10 14 39 00 14 40 00	



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No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.																																																		
225	2	11°N. 63°W. H=12 27 55 (CGS) De VENEZUELA BOGOTA		12 30 57	1500			Costa de VENEZUELA Sentido en Bogotá, Pereira, Ibagué y Cali, COLOMBIA																																																					
												iP (E-) (ZNE)	12 30 57																																																
												iS (NE)	12 33 38																																																
												L (NE)	12 34 30																																																
												CHINCHINA	1570	iP (N-) (ZNE)	12 32 12																																														
														iPR1 (NE)	12 31 23																																														
														iS (NE)	12 33 59																																														
														iSR1 (NE)	12 34 19																																														
														L (NE)	12 35 00																																														
														M (NE)	12 36 00																																														
												GALERAZAMBA		eP (ZN)	12 30 54																																														
														iS (N)	12 33 34																																														
														L (N)	12 34 30																																														
														M (N)	12 35 30																																														
														326	2	BOGOTA		14 17 04																																											
eP (NE)	14 17 04																																																												
i (NE)	14 20 40																																																												
327	2	6°S. 69°E. H=20 58 39 (CGS) ISLAS CHAGOS CHINCHINA		21 18 23																																																									
												ePKP1 (ZNE)	21 18 23																																																
												328	3													4°S. 134°E. H=05 58 12 (CGS) De NUEVA GUINEA CHINCHINA		06 18 00																																	
																																				ePKP1 (ZNE)	06 18 00																								
																																				iPKP2 (ZNE)	06 18 08																								
																																				329	3	10°5N. 62°5W. H=06 39 08 (CGS) Réplica de VENEZUELA BOGOTA		06 42 14	1480																				
																																																iP (ZNE)	06 42 14												
																																																iS (NE)	06 41 53												
																																																L (NE)	06 46 00												
																																																M (NE)	06 47 00												
																																																CHINCHINA	1560	eP (ZNE)	06 42 29										
																																																		iS (NE)	06 45 15										
														iSR1 (NE)	06 45 41																																														
														L (NE)	06 46 30																																														
														M (NE)	06 47 30																																														
GALERAZAMBA	1440	eP (ZN)	06 42 25																																																										
		eS (N)	06 45 01																																																										
		L (N)	06 46 00																																																										
		M (N)	06 47 00																																																										
		330	4	11°N. 63°W. H=05 26 09 h=60 km. (CGS) Cerca a la		17 16 54																																																							
eP (ZNE)	17 16 54																																																												
iS (ZNE)	17 17 26																																																												
331	4													BOGOTA		09 34 51	1780																																												
																								eP (ZNE)	09 34 51																																				
																								eS (NE)	09 38 07																																				
																								332	4	BOGOTA		10 15 30	285																																
																																				eP (ZNE)	10 15 30																								
																																				iS (ZNE)	10 16 02																								
																																				333	4	BOGOTA		18 25 26	135																				
																																																iP (ZNE)	18 25 26												
																																																iS (NE)	18 25 43												
																																																334	4	BOGOTA		20 52 02	1900								
																																																												iP (ZNE)	20 52 02
																																																												iS (NE)	20 55 19
		i (NE)	20 56 02																																																										
		335	6	11°N. 62°5W. H=00 54 05 (CGS) Réplica de VENEZUELA BOGOTA		00 57 36	15 30																																																						
																																																												iP (E-) (ZNE)	00 57 36
iS (NE)	01 00 23																																																												
L (NE)	01 01 00																																																												
M (NE)	01 02 00																																																												
GALERAZAMBA	1440													eP (ZN)	00 57 18																																														
														iS (ZN)	01 00 00																																														
														L (N)	01 01 00																																														
														M (N)	01 02 00																																														
														336	8	23°5S. 68°W. H=06 53 31 h=150 kms. (CGS) Norte de CHILE BOGOTA		06 59 23																																											
																										eP (ZNE)	06 59 23																																		
iScs? (NE)	07 11 04																																																												
i (NE)	07 11 58																																																												
337	8																									BOGOTA		17 17 26	295																																
																																				eP (ZNE)	17 16 54																								
		iS (ZNE)	17 17 26																																																										

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No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.																																						
338	10	BOGOTA		17 22 37	155																																												
												eP (ZNE)	17 22 37																																				
				17 22 56																																													
												iS (ZNE)	17 22 56																																				
339	10	54°N. 166°W. H=18 53 59 (CGS) ISLAS ALEUSIANAS BOGOTA		19 17 20																																													
												eSKKS (NE)	19 17 20																																				
												L (NE)	10 37 00																																				
												M (NE)	19 43 00																																				
												340	11	BOGOTA		07 50 22	375																																
eP (NE)	07 50 22																																																
iS (NE)	07 51 03																																																
CHINCHINA	460	eP (ZNE)	07 50 30																																														
		iS (ZNE)	07 51 10																																														
		341	12	BOGOTA		05 00 27	265																																										
eP (NE)	05 00 27																																																
iS (NE)	05 00 57																																																
CHINCHINA	305																									iP (ZNE)	05 00 36																						
																										iS (ZNE)	05 01 10																						
																										GALERAZAMBA	265	eP (ZNE)	05 01 49																				
iS (ZNE)	05 02 19																																																
342	12																											H = 16 46 30 (CGS) ISLAS SANDWICH BOGOTA		17 08 58																			
																										iS (NE)	17 08 58																						
																										eSR1? (NE)	17 13 24																						
												L (NE)	17 25 00																																				
												M (NE)	17 32 00																																				
												343	12	8°S. 111°E. H=18 57 02 (CGS) Cerca a la Costa Sur de J A V A BOGOTA		19 17 18																																	
																										ePKP1 (NE)	19 17 18																						
																										iSKKS (NE)	19 29 18																						
		iPSKS (NE)	19 33 14																																														
		L (NE)	20 21 00																																														
		M (NE)	20 34 00																																														
		344	13	52°5N. 160°E. H=04 19 17 (CGS) Costa S-E de KAMCHATKA. BOGOTA		04 44 17																																											
																										eSKS (NE)	04 44 17																						
																										L (NE)	05 10 00																						
																										M (NE)	05 18 00																						
345	13																									60°S. 151°E. H=20 33 01 Al S-W de las ISLAS MACQUAIRE BOGOTA		21 02 35																					
																																				(NE)	21 02 35												
																																				eSR1 (NE)	21 09 14												
																																				L (NE)	21 28 00												
																																				M (NE)	21 37 00												
												346	14	CHINCHINA		08 20 53																																	
																																				eP (NE)	08 20 53												
																																				e (NE)	08 24 58												
																																				347	14	11°N. 63°W. H=08 17 36 (CGS) Cerca a la Costa de VENEZUELA BOGOTA		13 20 36	1530								
																																																eP (ZNE)	13 20 36
																																																iS (NE)	13 23 20
		L (NE)	13 24 00																																														
		M (NE)	13 25 00																																														
		348	15	9°N. 84°W. H=04 02 07 (CGS) Cerca a la Costa Sur de COSTA RICA		04 04 48	1120																																										
																																																eP (ZNE)	04 04 48
iS (NE)	04 06 51																																																
L (NE)	04 07 30																																																
M (NE)	04 08 00																																																
CHINCHINA	925																									eP (ZNE)	04 04 27																						
																										eS (NE)	04 06 14																						
												L (NE)	04 07 30																																				
												M (NE)	04 08 00																																				
												GALERAZAMBA	975	eP (ZNE)	04 04 34																																		
														eS (ZNE)	04 06 16																																		
349	15													BOGOTA		07 07 43	430																																
																										eP (ZNE)	07 07 43																						
																										iS (NE)	07 08 30																						
																										CHINCHINA	255	eP (ZNE)	07 07 12																				
		iS (ZNE)	07 07 52																																														
		350	16	BOGOTA		07 40 32	275																																										
																								eP (ZNE)	07 40 32																								
																								iS (ZNE)	07 41 03																								
																								CHINCHINA	295	iP (ZNE)	07 40 42																						
																										iS (ZNE)	07 41 15																						
																										GALERAZAMBA		eP (ZNE)	07 41 55																				
																								i (ZNE)	07 42 17																								

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No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.
351	19	23°5N. 122°E. H=18 28 50 (CGS) Cerca a la Costa de FORMOSA BOGOTA						CHINCHINA			
		iPKP <sub>1</sub>	(ZNE)	18 48 41				iP	(ZNE)	08 09 43	
		iSR <sub>1</sub>	(NE)	19 11 12				i	(ZNE)	08 09 59	
		L	(NE)	19 39 00				iS	(NE)	06 20 30	
		M	(NE)	19 50 00				GALERAZAMBA			
		CHINCHINA						iS	(NE)	06 20 56	
		iPKP <sub>1</sub>	(ZNE)	18 48 36		357	23	BOGOTA			600
		iPKP <sub>2</sub>	(ZNE)	18 48 45				eP	(ZNE)	08 49 02	
		iPR <sub>1</sub>	(ZNE)	18 52 13				eS	(NE)	08 50 06	
		iSR <sub>1</sub>	(NE)	19 11 09		358	24	29°S. 89°W. H=20 07 17 (CGS) Provincia La Rioja, ARGENTINA			
		L	(NE)	19 39 00				BOGOTA			
		M	(NE)	19 50 00				eP	(ZNE)	20 12 42	
352	20	11°5N. 42°W. H=12 04 22 (CGS) OCEANO ATLANTICO el resto se interrumpió en el cambio del papel. BOGOTA						e	(NE)	20 14 09	
		iP	(ZNE)	12 10 56				iS	(NE)	20 19 23	
		CHINCHINA			3700			L	(NE)	20 24 00	
		iP	(ZNE)	12 11 05				M	(NE)	20 27 00	
		iS	(NE)	12 16 34				CHINCHINA			
		L	(NE)	12 21 00				eP	(ZNE)	20 12 51	
		M	(NE)	12 24 00				i	(NE)	20 14 23	
353	21	BOGOTA			870	359	24	25°N. 109°5W. H=21 44 28 (CGS) Golfo de CALIFORNIA			
		eP	(ZNE)	14 08 48				BOGOTA			4420
		iS	(NE)	14 09 59				eP(E-)	(NE)	21 52 07	
354	23	BOGOTA			60			iS	(NE)	21 58 19	
		eP	(ZNE)	00 00 03				L	(NE)	22 02 00	
		iS	(ZNE)	00 01 12				M	(NE)	22 06 00	
355	23	19°N. 64°W. H=04 45 39 (CGS) De PUERTO RICO						CHINCHINA			4320
		BOGOTA			1800			eP	(ZNE)	21 51 51	
		eP	(ZNE)	04 42 35				ePR <sub>1</sub>	(ZNE)	21 53 21	
		iS	(NE)	04 45 39				iS	(NE)	21 57 57	
		CHINCHINA			2100			L	(NE)	22 02 00	
		eP	(ZNE)	04 42 45				M	(NE)	22 06 00	
		eS	(NE)	04 46 20							
356	23	52°5N. 169°5W. H=05 56 52 (CGS) ISLAS ALEUSIANAS BOGOTA				360	25	50°5N. 156°5E. H=10 03 32 (CGS) Costa Sur de KAMCHATKA			
		eP	(ZNE)	06 10 03				BOGOTA			
		ePR <sub>1</sub>	(NE)	06 13 30				ePR <sub>1</sub>	(NE)	10 22 48	
		iS	(NE)	06 20 40				iSKS	(NE)	10 28 53	
		L	(NE)	06 39 00				eSR <sub>1</sub>	(NE)	10 38 13	
		M	(NE)	06 46 00				L	(NE)	10 57 00	
								M	(NE)	11 05 00	

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No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.
361	27	16°N. 88°W. H=18 29 04 Norte de Honduras BOGOTA				369	1	BOGOTA			275
		eP	(NE)	18 33 15				eP	(ZNE)	22 34 50	
		eS	(NE)	18 36 47				iS	(ZNE)	22 35 21	
362	27	56°N. 161°E. H=22 32 25 (CGS) De KAMCHATKA BOGOTA				370	2	15°N. 93°5W. H=07 20 58 h=100 kms. (CGS) Cerca a la Costa de Chiapas, MEXICO			
		iSKS	(NE)	22 57 00				BOGOTA			
		L	(NE)	23 22 00				iP	(E-) (ZNE)	07 25 46	
		CHINCHINA						iS	(NE)	07 29 47	
		iSKS	(NE)	22 56 53				i	(NE)	07 30 18	
		L	(NE)	23 22 00				GALERAZAMBA			
363	29	BOGOTA			410			eP	(NE)	07 25 07	
		eP	(ZNE)	06 39 18				eS	(NE)	07 28 42	
		eS	(ZNE)	06 40 03				L	(NE)	07 30 00	
364	29	BOGOTA			205	371	2	BOGOTA			285
		eP	(ZNE)	18 10 34				eP	(ZNE)	14 18 22	
		iS	(ZNE)	18 10 58				iS	(ZNE)	14 18 54	
365	30	BOGOTA			460	372	2	13°S. 166°5E. H=18 30 24 (CGS) ISLAS NUEVAS HEBRIDAS GALERAZAMBA			
		iS	(ZNE)	23 25 24				L	(NE)	19 27 00	
		iS	(ZNE)	23 26 14				M	(NE)	19 26 00	
		CHINCHINA			430	373	4	BOGOTA			400
		eP	(ZNE)	23 25 38				eP	(Z)	09 46 45	
		iS	(ZNE)	23 26 25				eS	(Z)	09 47 29	
366	31	6°5N. 83°W. H=10 07 54 (CGS) Frente a la Costa de PANAMA BOGOTA			925	374	4	BOGOTA			285
		iP	(ZNE)	10 10 09				eP	(ZNE)	19 43 56	
		iS	(NE)	10 11 46				iS	(ZNE)	19 44 28	
		CHINCHINA			715			CHINCHINA			375
		iP	(E-) (ZNE)	10 09 45				iS	(ZNE)	19 14 04	
		iS	(NE)	10 11 01				iS	(ZNE)	19 14 45	
367	31	1°5N. 86°W. H=16 24 17 (CGS) ISLAS GALAPAGOS BOGOTA			1335	375	6	BOGOTA			
		iP	(ZNE)	16 27 06				eP	(ZNE)	05 14 34	
		iS	(NE)	16 29 19				i	(NE)	05 15 42	
		L	(NE)	16 30 00							
		M	(NE)	16 31 00							
		CHINCHINA			1100	376	7	BOGOTA			305
		iP	(ZNE)	16 26 46				eP	(ZNE)	07 50 23	
		iS	(NE)	16 28 44				eS	(ZNE)	07 55 57	
	Nov.					368	1	BOGOTA			275
		eP	(ZNE)	20 29 35				eP	(ZNE)	02 51 43	
		eS	(ZNE)	20 30 05				iS	(ZNE)	02 52 22	

42						Noviembre de 1957					
No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.
378	10	7°S. 155°E. H=02 36 21 (CGS) ISLAS SALOMON BOGOTA						GALERAZAMBA			
		ePKP (Z)		02 55 36				iPS (NE)		17 50 41	
		iSKP (ZNE)		02 59 03				L (NE)		18 13 00	
		L (NE)		03 38 00				M (NE)		18 21 00	
		M (NE)		03 48 00		382	13	BOGOTA			255
		CHINCHINA						eP (ZNE)		18 39 06	
		ePKP (ZNE)		02 55 37				eS (ZNE)		18 39 45	
		L (NE)		03 38 00		383	15	BOGOTA			275
		M (NE)		03 48 00				eP (ZNE)		04 02 30	
								iS (ZNE)		04 03 03	
379	10	6°5S. 147°E. H=05 48 57 (CGS) Costa Norte de NUEVA GUINEA BOGOTA				384	15	51°5N. 158°E. H=16 30 29 (CGS) Cerca a la Costa de KAMCHATKA BOGOTA			
		ePKP (ZNE)		06 08 31				L (NE)		17 40 00	
		iSKP (NE)		06 12 01				M (NE)		17 48 00	
		L (NE)		06 57 00		385	17	BOGOTA			90
		M (NE)		07 07 00				eP (NE)		07 56 48	
		CHINCHINA						iS (NE)		07 57 00	
		ePKP (ZNE)		06 08 27		386	17	H=15 41 22 (CGS) Sur de LA Frontera CHILENO- ARGENTINA BOGOTA			
		L (NE)		06 57 00				eP? (NE)		15 50 27	
		M (NE)		07 07 00				iS (NE)		15 57 30	
380	10	7°3N. 75°1W. H=10 21 22 Norte de Colombia, Sentido en Medellín, Dpto. Antioquia BOGOTA			335			L (NE)		16 05 00	
		iP (ZNE)		10 22 12				M (NE)		16 09 00	
		iS (NE)		10 22 49		387	20	54°N. 165°W. H=12 40 23 (CGS) BOGOTA			
		CHINCHINA						eP (NE)		12 53 18	
		eP (ZN)		10 22 08				iS (NE)		13 03 44	
		eS? (ZN)		10 22 46				L (NE)		13 22 00	
		GALERAZAMBA						M (NE)		13 29 00	
		eP (NE)		10 22 09				CHINCHINA			
		iS (NE)		10 22 43				eP (ZNE)		12 53 05	
381	13	33°S. 179°W. H=17 22 41 (CGS) ISLAS KERMADEC BOGOTA						iS (NE)		13 03 27	
		ePR (NE)		17 41 32				L (NE)		13 22 00	
		iSKS (NE)		17 47 32				M (NE)		13 28 00	
		iPS (NE)		17 50 30				GALERAZAMBA			
		L (NE)		18 13 00				L (NE)		13 19 00	
		M (NE)		18 21 00		388	21	CHINCHINA			305
		CHINCHINA						eP (ZNE)		02 46 36	
		eP (Z)		17 37 01				iS (ZNE)		02 47 10	
		ePR1 (NE)		17 41 21		389	21	BOGOTA			265
		iSKS (NE)		17 47 29				eP (NE)		11 46 29	
		L (NE)		18 13 00				iS (NE)		11 46 59	
		M (NE)		18 21 00							

Boletín Sísmico						Noviembre de 1957						43
No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.	
390	22	BOGOTA			265			GALERAZAMBA				
		iP (ZNE)		04 30 26				L (NE)		12 19 00		
		iS (ZNE)		04 30 57				M (NE)		12 26 00		
		CHINCHINA			375			11°5N. 86°5W. H=23 24 03 h=100 kms. (CGS) Cerca a la Costa de NICARAGUA. BOGOTA				
		eP (ZNE)		04 30 36		397	26	eP (NE)		23 27 28		
		eS (ZNE)		04 31 17				L (NE)		23 31 30		
391	22	BOGOTA			580			M (NE)		23 32 30		
		eP (ZNE)		20 07 38		398	27	BOGOTA			275	
		iS (ZNE)		20 08 40				iP (ZNE)		03 22 59		
392	22	BOGOTA			275			iS (ZNE)		03 23 30		
		eP (ZNE)		22 43 05				CHINCHINA			325	
		iS (ZNE)		22 43 36				iP (ZNE)		03 23 06		
393	23	52°5N. 168°W. H=00 58 33 (CGS) ISLAS ALEUSIANAS BOGOTA						iS (ZNE)		03 23 42		
		eP (NE)		01 11 24				GALERAZAMBA			155	
		eS (NE)		01 21 58				eP (NE)		03 24 24		
		ePPS (NE)		01 23 28				iS (NE)		03 24 43		
		eSR1 (NE)		01 26 46		399	28	15°S. 168°5E. H=20 50 10 (CGS) ISLAS NUEVAS HEBRIDAS BOGOTA				
		CHINCHINA						L (NE)		21 45 00		
		eP (ZNE)		01 21 26				L (NE)		21 53 00		
		iS (NE)		01 22 04				CHINCHINA				
394	25	1°5S. 116°E. H=22 35 00 (CGS) Cerca a la Costa de BORNEO. BOGOTA						ePR1 (ZNE)		21 10 12		
		ePKP1 (ZNE)		22 55 10				ePS (NE)		21 19 54		
		iPR1 (NE)		23 00 16				L (NE)		21 45 00		
		CHINCHINA						M (NE)		21 53 00		
		iPKP1 (ZNE)		22 55 10		400	29	21°S. 66°W. H=22 19 38 h=200 kms. (CGS) SUR DE BOLIVIA BOGOTA				
		iPR1 (ZNE)		23 00 08				iP(N+) (ZNE)		22 25 00		
		iSKKS (NE)		23 06 54				ipP (NE)		22 25 32		
395	26	2°S. 116°E. H=22 35 00 (CGS) Cerca a la Costa de BORNEO. BOGOTA						iS (NE)		22 29 23		
		ePKP1 (ZNE)		05 30 13				isS (NE)		22 30 12		
		iPR1 (NE)		05 35 17				CHINCHINA				
		CHINCHINA						iP (ZNE)		22 25 07		
		iPKP1 (ZNE)		05 30 11				i (ZNE)		22 25 13		
		iPR1 (ZNE)		05 35 10				iPR1 (NE)		22 26 08		
								iS (NE)		22 29 31		
396	26	51°5N. 176°W. H=11 35 44 (CGS) ISLAS ALEUSIANAS BOGOTA						GALERAZAMBA				
		L (NE)		12 21 00				eP (NE)		22 26 14		
		M (NE)		12 28 00				iS (NE)		22 30 52		
		CHINCHINA										
		iP (ZNE)		11 49 02								
		iS (NE)		12 00 08								

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Diciembre de 1957

No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.
401	4	0, 125°E. H=00 27 01 (CGS) ISLAS MOLUCAS CHINCHINA				407	10	6°S. 154°5E. H=14 35 57 (CGS) ISLAS SALOMON BOGOTA			
		iPKP <sub>1</sub> (ZNE) 00 47 02 iPKP <sub>2</sub> (ZNE) 00 47 40						ePKP (NE) 14 55 21 iSKP (NE) 14 58 36 L (NE) 15 39 00 M (NE) 15 49 00			
402	4	45°5N. 99°5E. H=03 37 45 (CGS) De MONGOLIA BOGOTA						CHINCHINA ePKP (ZNE) 14 55 11 iSKP (NE) 14 58 35 L (NE) 15 39 00 M (NE) 15 49 00			
		eP (ZNE) 03 54 04 ePKP (ZNE) 03 57 06 ePR <sub>1</sub> (NE) 03 59 20				408	13	7°N. 76°W. H=01 31 57 h=100 kms. (CGS) Sentido en Bogotá, Medellín, Cali y Pereira, COLOMBIA. BOGOTA			
		CHINCHINA ePKP (ZNE) 03 57 00 iPR <sub>1</sub> (NE) 03 59 28 L (NE) 04 39 00 M (NE) 04 49 00						iP (N-) (ZNE) 01 32 51 iS (ZNE) 01 33 36 i (ZNE) 01 33 46			
		GALERAZAMBA iPR <sub>1</sub> (NE) 03 58 36 L (NE) 04 37 00 M (NE) 04 47 00						CHINCHINA iP (ZNE) 01 32 29			
403	6	BOGOTA			275			GALERAZAMBA eP (ZNE) 01 33 06			
		eP (ZNE) 16 53 03 iS (ZNE) 16 53 34				409	13	BOGOTA			225
								iP (ZNE) 04 13 51 eS (ZNE) 04 14 17 i (NE) 04 14 33 i (NE) 04 14 46			
404	7	15°5N. 92°W. H=08 24 03 (CGS) De GUATEMALA BOGOTA						CHINCHINA			235
		eP (ZNE) 08 28 51 eS? (NE) 08 31 44						iP (ZNE) 04 13 29 iS (ZNE) 04 12 56			
405	7	13°5N. 82°W. H=22 18 49 (CGS) Cerca a la Costa de NICARAGUA. BOGOTA			1230	410	13	BOGOTA			
		eP (ZNE) 22 21 49 iS (NE) 22 24 05 L (NE) 22 25 00 M (NE) 22 26 00						eP (ZNE) 16 01 00 iS? (ZNE) 16 03 54			
		CHINCHINA			1030	411	13	6°5S. 155°5E. H=20 03 58 (CGS) ISLAS SALOMON BOGOTA			
		eP (ZNE) 22 21 34 eS (NE) 22 23 23 L (NE) 22 24 00 M (NE) 22 25 00						L (NE) 21 06 00 M (NE) 21 16 00			
406	10	BOGOTA			560	411B	13	CHINCHINA			
		eP (ZNE) 02 46 11 eS (ZNE) 02 47 11						eP (ZNE) 20 39 14 iS (NE) 20 50 00 L (NE) 21 09 00 M (NE) 21 15 00			
		CHINCHINA			285	412	14	CHINCHINA			80
		eP (ZNE) 02 45 54 iS (ZNE) 02 46 26						eP (ZNE) 13 04 28 iS (ZNE) 13 04 39			

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No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-Penkm.
413	14	BOGOTA			500	418	17	12°S. 167°E. H=13 50 05 (CGS) ISLAS SANTA CRUZ. CHINCHINA			
		iP (ZNE) 23 08 18 iS (ZNE) 23 09 12						iPS (NE) 14 19 52 L (NE) 14 34 00 M (NE) 14 42 00			
		CHINCHINA			335			GALERAZAMBA ePR <sub>1</sub> (ZNE) 14 09 40 iPS (NE) 14 19 50 L (NE) 14 34 00 M (NE) 14 42 00			
		iP (ZNE) 23 07 55 iS (ZNE) 23 08 22				414	15	11°S. 76°W. H=22 18 58 (CGS) Del PERU. BOGOTA			
								eP (ZNE) 22 22 49 iS? (NE) 22 26 39			
								CHINCHINA eP (ZNE) 22 22 52 eS? (NE) 22 26 47 L (NE) 22 28 00 M (NE) 22 29 00			
						415	15	Sentido en Sogamoso, COLOMBIA. BOGOTA			165
								iP (ZNE) 23 21 44 iS (ZNE) 23 22 04			
								CHINCHINA eP (ZNE) 23 22 07 eS (ZNE) 23 22 40			295
						416	16	50°N. 127°W. H=17 27 47 (CGS) ISLAS VANCOUVER. BOGOTA			
								eP (ZNE) 17 37 54 iS (NE) 17 46 54 L (NE) 17 58 00 M (NE) 18 03 00			
								CHINCHINA iP (ZNE) 17 38 09 i (ZNE) 17 38 17 iS (NE) 17 46 38 L (NE) 17 58 00 M (NE) 18 03:00			6820
						417	17	43°5N. 182°E. H=05 10 11 (CGS) Cerca a la Costa de KAMCHATKA. BOGOTA			
								ePR <sub>1</sub> (NE) 05 29 25 iSKS (NE) 05 35 05 L (NE) 06 03 00 M (NE) 06 11 00			
								CHINCHINA ePR <sub>1</sub> (ZNE) 05 29 01 eSKS (NE) 05 34 54 L (NE) 06 03 00 M (NE) 06 11 00			
						418	17	30°5S. 71°W. H=11 18 42 (CGS) De CHILE CENTRAL BOGOTA			4000
								eP (ZNE) 11 25 42 iS (NE) 11 31 27 L (NE) 11 36 00 M (NE) 11 40 00			
								CHINCHINA eP (ZNE) 11 25 44 iPR <sub>1</sub> (NE) 11 26 51 iS (NE) 11 31 23 L (NE) 11 36 00 M (NE) 11 40 00			3880
								GALERAZAMBA eS (NE) 11 32 55 L (NE) 11 39 00 M (NE) 11 43 00			



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Diciembre de 1957

No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.	No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.
423	20	BOGOTA			315			L (NE)		14 52 00	
		eP (ZNE)		19 32 55				M (NE)		14 55 00	
		iS (ZNE)		19 33 30							
424	21	BOGOTA			265	431	29	H=15 12 08 (CGS)			
		iP (ZNE)		14 29 08				Provincia de Coquimbo,			
		iS (NE)		14 29 38				CHILE.			
								BOGOTA			
		eP (ZNE)		15 18 56				eS? (NE)		15 24 22	
		eP (ZNE)		19 20 31				L (NE)		15 29 00	
		iS? (NE)		19 24 27				M (NE)		15 32 00	
								CHINCHINA			3720
		eP (ZNE)		19 20 08				eP (ZNE)		15 18 54	
		eS? (NE)		19 23 46				eS (NE)		15 24 23	
								L (NE)		15 29 00	
426	22	CHINCHINA			500	432	30	10°5N. 62°W. H=13 28 51			
		eP (ZNE)		21 46 30				(CGS) Cerca a la Costa			
		eS (ZNE)		21 47 24				de VENEZUELA.			
								BOGOTA			
		eP (ZE)		02 49 08				eP (ZNE)		13 32 00	
		iS (ZE)		02 49 41				iS (NE)		13 34 48	
								CHINCHINA			
		eP (ZNE)		02 49 17				eP (ZNE)		13 32 09	
		eS (ZNE)		02 49 51				eS? (NE)		13 35 08	
								L (NE)		13 36 00	
								M (NE)		13 37 00	
428	25	10°5N. 62°5W. H=16 26 01						GALERAZAMBA			
		(CGS) De VENEZUELA.						eS (NE)		13 34 49	
		BOGOTA			1280			L (NE)		13 36 00	
		iP (ZNE)		16 29 14				M (NE)		13 37 00	
		iS (NE)		16 31 32							
								BOGOTA			265
		eP (E)		16 29 21				eP (ZNE)		02 31 56	
		eS (E)		16 32 11				iS (ZNE)		02 32 26	
		L (E)		16 33 00				CHINCHINA			345
		M (E)		16 34 00				eP (ZNE)		02 32 00	
								eS (NE)		02 32 38	
429	26	BOGOTA			275	433	31	45°S. 165°5E. H=14 28 15			
		eP (ZNE)		07 05 24				(CGS) Cerca a la Costa			
		iS (ZNE)		07 05 55				de NUEVA ZELANDIA			
								BOGOTA			
		eP (ZNE)		14 42 01				iPS (NE)		14 57 38	
								iSR1 (NE)		15 04 12	
								L (NE)		15 23 00	
								M (NE)		15 32 00	
								CHINCHINA			
		eP (ZNE)		14 42 04				ePKP (ZNE)		14 46 50	
		eS (NE)		14 46 39				iSKS (NE)		14 53 33	
		L (NE)		14 39 00				L (NE)		15 22 00	
		M (NE)		14 42 00				M (NE)		15 31 00	
								GALERAZAMBA			
		i (NE)		14 48 54				L (NE)		15 25 00	
		iSR1 (NE)		14 49 44				M (NE)		15 34 00	

ADENDA

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No.	Fecha	Estación Fase	Comp.	G. M. T. h m s	Distancia S-P en km.
419	18	11°N. 63°5W. H=02 11 40			
		(CGS) De VENEZUELA			1.380
		FUQUENE			
		eP (Z)		02 14 25	
		iPR1 (Z)		02 14 30	
		iS (Z)		02 16 54	
		L (Z)		02 18 00	
		M (Z)		02 19 00	
421	18	H = 20 44 58 (CGS)			
		ISLAS SANDWICH			
		FUQUENE			
		eP (Z)		20 56 31	
		ePR1 (Z)		20 59 32	
		L (Z)		21 20 00	
		M (Z)		21 26 00	

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BOGOTÁ		BOGOTÁ	
Hora	Amplitud	Hora	Amplitud
01	...	01	...
02	...	02	...
03	...	03	...
04	...	04	...
05	...	05	...
06	...	06	...
07	...	07	...
08	...	08	...
09	...	09	...
10	...	10	...
11	...	11	...
12	...	12	...
13	...	13	...
14	...	14	...
15	...	15	...
16	...	16	...
17	...	17	...
18	...	18	...
19	...	19	...
20	...	20	...
21	...	21	...
22	...	22	...
23	...	23	...
24	...	24	...
25	...	25	...
26	...	26	...
27	...	27	...
28	...	28	...
29	...	29	...
30	...	30	...
31	...	31	...

INSTITUTO GEOFISICO DE LOS ANDES COLOMBIANOS,  
BOGOTÁ

MICROSISMOS - BOGOTÁ

P = Periodo en segundos  
A = Amplitud en micras  
H = Hora

DIA	N - S								E - W							
	0h		6h		12h		18h		0h		6h		12h		18h	
	P	A	P	A	P	A	P	A	P	A	P	A	P	A		
ENERO 1. 1957																
1	5.3	2.3	6.4	2.2	5.7	1.7	6.0	2.1	6.3	2.2	5.0	2.4	5.0	2.4	6.7	3.1
2	5.5	2.2	5.0	1.8	5.8	2.3	5.3	11.2	9.9	2.3	6.0	1.6	5.5	1.3	5.0	1.1
3	9.2	0.9	5.3	1.3	5.3	0.8	5.0	1.2	5.5	0.7	6.5	1.1	4.9	0.8	5.2	1.1
4	4.9	0.7	4.7	1.1	5.0	0.8	4.7	0.8	5.0	0.7	5.3	1.0	5.3	1.2	5.4	1.4
5	4.6	0.8	4.6	1.1	4.5	0.7	5.4	1.0	5.0	0.6	4.6	2.0	5.2	1.2	4.9	1.2
6	4.8	0.7	5.3	1.2	5.0	0.9	5.8	0.9	5.2	0.7	5.5	1.2	4.8	0.7	6.0	1.4
7	4.7	0.9	5.3	1.3	5.9	0.9	5.0	0.9	5.4	1.3	6.0	2.2	4.7	1.3	5.0	1.6
8	4.9	0.8	5.0	1.1	5.0	0.9	4.9	1.3	5.0	0.9	5.9	1.0	5.4	1.0	5.0	1.2
9	4.3	0.6	5.2	1.1	5.0	1.0	4.9	1.2	4.9	1.1	5.0	1.2	5.4	0.9	4.9	0.9
10	4.8	0.8	7.0	0.9	5.3	1.0	5.0	0.9	4.6	0.8	5.4	1.2	5.0	0.7	4.8	1.1
11	4.7	0.7	5.8	1.0	6.4	0.8	6.0	0.8	5.0	0.7	4.8	1.3	6.8	1.2	4.5	0.8
12	5.9	1.1	6.4	0.8	5.5	0.9	5.0	0.7	6.5	1.1	6.8	1.2	5.0	1.1	5.5	1.0
13	5.0	0.8	6.0	0.9	5.0	1.1	4.9	0.8	5.5	1.0	4.2	0.9	6.0	1.0	5.0	1.1
14	4.9	0.7	5.0	0.8	4.8	0.9	4.0	0.7	5.0	0.8	4.4	1.2	4.8	1.2	4.8	0.8
15	5.0	0.8	4.5	0.9	5.0	0.9	4.8	0.8	4.6	0.7	5.0	1.1	6.0	0.8	5.8	1.1
16	4.9	0.7	5.5	0.7	6.0	1.0	6.0	0.9	5.0	0.8	5.0	0.8	4.8	1.0	5.5	0.8
17	5.0	0.8	5.5	1.0	5.3	0.9	4.4	0.8	5.5	1.1	6.4	1.1	5.7	0.8	4.8	0.7
18	4.4	0.7	5.0	0.8	4.4	0.8	5.5	0.7	6.0	0.9	4.2	0.8	5.0	0.7	6.4	0.9
19	4.8	0.8	5.5	0.9	5.0	0.9	5.0	0.8	6.0	1.0	6.4	1.0	4.5	1.0	5.0	0.8
20	4.5	0.8	5.4	0.7	6.6	0.8	5.0	0.9	5.4	2.4	5.0	0.8	4.5	1.1	5.5	1.4
21	6.4	0.9	5.4	1.2	5.5	1.1	5.5	1.2	6.3	1.1	4.6	1.9	6.0	1.2	6.4	1.3
22	5.4	0.8	5.5	1.3	6.0	0.9	6.0	0.8	5.4	0.8	6.0	1.3	5.0	1.3	5.6	1.2
23	5.3	0.7	6.0	1.0	5.0	0.8	5.9	0.9	6.0	1.0	5.0	1.6	5.5	1.4	6.0	1.3
24	6.8	1.0	5.0	0.9	5.0	0.9	5.4	0.8	5.0	1.2	4.5	0.9	5.0	1.8	6.4	1.2
25	5.0	0.9	5.5	1.2	5.4	0.9	5.0	1.1	6.4	1.1	5.8	1.3	6.0	1.2	5.0	1.3
26	5.8	1.2	5.4	1.3	5.5	1.1	5.5	1.3	5.4	1.2	5.5	1.2	4.5	1.6	5.0	1.2
27	5.0	0.8	5.0	1.4	5.3	1.3	5.4	1.0	5.0	1.1	6.0	1.4	5.4	1.3	5.5	1.6
28	6.0	0.9	5.5	1.1	5.0	1.1	5.3	1.1	6.0	1.2	4.8	1.2	5.0	1.1	6.0	1.1
29	6.4	1.1	6.0	1.2	5.3	1.1	5.5	1.4	5.3	1.3	5.5	1.3	6.0	1.4	5.8	1.3
30	5.0	0.8	5.0	1.2	5.0	1.3	5.4	0.8	6.4	0.9	6.0	1.2	5.4	1.0	5.0	1.2
31	4.5	0.7	5.0	1.1	4.6	0.8	4.5	1.0	4.8	1.2	5.5	1.3	5.5	0.9	4.4	1.1

MICROSISMOS - BOGOTA

P = Periodo en segundos  
A = Amplitud en micras  
H = Hora

DIA	N - S				E - W			
	P <sup>0h</sup>	A <sup>0h</sup>	P <sup>6h</sup>	A <sup>6h</sup>	P <sup>12h</sup>	A <sup>12h</sup>	P <sup>18h</sup>	A <sup>18h</sup>
FEBRERO 1. 957								
1	4.0	0.8	5.0	1.0	5.0	1.1	5.4	1.0
2	5.0	0.7	5.8	0.9	5.2	1.0	5.7	0.9
3	4.6	0.8	5.4	1.0	5.5	0.9	5.3	1.6
4	5.0	0.9	5.4	1.1	5.6	0.8	5.5	1.2
5	5.2	0.8	5.0	0.8	5.0	1.1	5.5	0.8
6	4.4	1.0	5.5	1.1	6.0	1.0	5.2	1.2
7	5.0	0.8	5.0	0.7	5.6	0.8	4.3	0.8
8	4.8	0.7	4.8	1.0	6.1	1.0	5.0	1.1
9	5.0	1.1	6.0	2.4	6.7	1.9	4.7	2.0
10	5.5	1.5	4.4	2.0	6.7	2.1	5.5	1.9
11	6.3	1.5	3.5	2.0	6.3	1.4	6.0	1.5
12	6.5	1.6	6.0	1.5	5.0	1.2	4.5	1.0
13	6.5	0.8	6.4	1.4	6.5	0.9	6.0	1.0
14	4.4	0.7	5.5	1.1	4.5	0.8	7.0	0.8
15	4.0	1.0	5.6	1.0	4.4	0.9	4.7	1.1
16	6.0	1.2	5.5	1.6	5.0	1.0	5.0	1.0
17	5.3	1.6	5.0	1.4	5.3	1.2	4.8	1.1
18	4.5	1.0	5.0	0.9	5.0	1.4	4.5	1.0
19	4.5	0.9	5.3	1.3	5.8	1.3	4.8	0.8
20	4.0	0.8	4.5	1.0	4.5	1.1	4.0	0.9
21	5.0	0.9	4.5	1.1	4.4	1.0	4.0	1.1
22	4.5	1.0	5.5	1.0	4.5	0.8	5.2	1.2
23	5.4	1.1	5.0	1.1	4.6	1.0	4.5	1.0
24	6.3	1.0	5.0	1.1		4.7	1.5	
25	4.5	0.9	5.0	1.0	6.3	2.3	5.0	2.0
26	5.7	0.7	5.5	1.1	5.9	1.8	5.7	1.3
27	6.0	1.3	4.5	1.3	4.5	1.3	4.4	1.1
28	5.7	1.6	6.2	1.0	5.4	1.4	5.0	1.8

MICROSISMOS - BOGOTA

P = Periodo en segundos  
A = Amplitud en micras  
H = Hora

DIA	N - S				E - W			
	P <sup>0h</sup>	A <sup>0h</sup>	P <sup>6h</sup>	A <sup>6h</sup>	P <sup>12h</sup>	A <sup>12h</sup>	P <sup>18h</sup>	A <sup>18h</sup>
MARZO 1. 957								
1	5.2	1.7	4.5	1.5	5.0	1.5	6.0	2.0
2	7.0	1.0	7.0	1.6	5.0	1.2	5.0	1.1
3	7.0	1.1	7.0	2.0	6.8	1.6	6.0	1.5
4	6.5	1.0	5.0	1.3	7.0	1.1	6.2	1.0
5	6.0	0.9	4.5	1.0	6.0	1.0	5.4	1.1
6	7.0	1.2	6.0	1.1	6.4	1.3	5.0	1.0
7	4.4	1.0	5.3	1.3	6.5	1.0	5.9	1.5
8	5.0	0.9	5.2	1.5	7.3	1.1	7.4	1.4
9	4.8	1.0	7.0	2.0	6.0	1.5	6.0	1.2
10	7.0	1.5	7.0	1.5	6.0	1.1	5.0	1.1
11	6.5	1.5	5.5	1.7	6.0	2.1	5.0	2.0
12	5.0	1.4	6.0	1.6	7.0	1.5	7.6	1.5
13	6.4	1.2	6.4	2.0	7.5	1.8	4.5	1.1
14	5.0	2.0	5.0	1.2	6.0	2.0	6.3	1.6
15	5.0	1.8	6.0	1.7	5.0	1.5	6.5	1.3
16	5.3	1.1	7.0	2.0	6.5	1.8	7.0	2.0
17	6.8	2.6	6.6	2.2	6.2	1.7	6.3	1.4
18	6.8	1.6	6.5	1.4	5.0	1.4	4.3	1.4
19	6.5	1.5	4.5	1.3	5.5	1.3	4.9	1.0
20	6.0	1.2	5.5	1.8	4.7	1.1	3.5	1.3
21	4.7	1.3	6.5	1.6	5.9	1.3	5.5	1.3
22	4.8	1.4	5.5	1.2	7.0	1.3	7.1	2.2
23	5.0	1.6	6.0	1.3	5.6	1.4	5.8	1.6
24	4.8	1.4	5.0	1.2	6.2	1.7	6.5	1.0
25	4.5	1.1	5.0	1.5	5.8	1.5	5.0	1.7
26	5.2	1.0	5.4	1.3	6.7	1.4	6.0	1.1
27	4.5	0.8	6.0	1.5	4.5	1.2	5.5	1.0
28	5.0	1.1	5.5	1.4	5.4	1.0	6.0	1.4
29	7.0	1.0	5.0	1.5	6.3	1.5	5.0	1.0
30	6.5	1.1	5.7	1.1	5.5	1.0	4.5	1.1
31	6.0	0.9	5.0	0.6	6.5	0.9	6.0	0.9





DIAS ESPECIALES DE JULIO 1. 957 - GMT

DIA 4 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 5.0 5.0 5.5 5.4 5.2 6.0 5.0 5.0 4.5 6.0 5.5 6.0 5.5 5.5 6.0 5.5 6.5 7.0 4.8 6.0 6.5 6.0 6.0  
 Amplitud: 1.5 1.4 1.2 0.9 1.0 1.5 1.0 1.0 1.2 1.1 1.2 1.2 1.3 1.4 1.2 1.1 1.4 1.3 1.2 1.3 1.2 1.1 1.3 1.5

DIA 4 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 6.0 5.5 5.0 6.0 5.0 5.5 5.2 5.4 6.0 6.0 6.0 5.8 6.0 6.0 5.5 7.0 5.0 5.5 5.0 5.2 7.0 5.0 7.5  
 Amplitud: 1.7 1.3 1.6 1.4 1.3 1.5 1.4 1.5 1.6 1.3 1.4 1.2 1.6 1.5 1.8 1.4 1.5 1.4 1.5 1.4 1.5 1.6 1.5 1.6

DIA 26 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 6.1 6.0 7.0 7.0 5.0 6.5 6.4 6.0 5.5 5.0 6.5 6.0 4.8 6.5 7.0 7.0 7.0 6.5 6.0 7.0 7.1 6.0  
 Amplitud: 1.6 1.7 1.5 1.7 1.4 1.1 1.5 1.6 1.4 1.5 1.4 1.9 1.5 1.1 1.6 1.6 1.5 2.0 1.5 1.2 1.5 2.0 1.2

DIA 26 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 6.0 6.0 7.0 6.5 6.0 6.0 5.5 6.0 7.0 5.5 6.0 5.0 7.0 5.5 6.5 5.0 6.5 5.0 5.0 7.5 6.5 6.5  
 Amplitud: 1.2 2.0 1.7 1.2 1.5 1.4 1.3 1.6 1.1 1.5 1.4 1.4 1.1 1.2 1.5 1.6 1.1 1.5 1.8 1.3 1.5 1.5 2.0

DIA 27 - N - S

Hora : 1 2 3 4 5  
 Periodo : 7.0 6.8 6.5 6.5 7.0  
 Amplitud: 1.5 2.0 1.8 1.5 1.6

DIA 27 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 6.5 6.5 5.0 6.5 7.5 6.4 6.0 6.0 6.5 7.5 6.0 6.0 6.5 6.4 6.5 7.0 6.0 6.5 6.5 7.0 6.5 6.0  
 Amplitud: 1.5 1.4 1.5 1.4 1.5 1.6 1.5 1.7 1.4 1.3 1.6 1.8 1.6 1.2 1.5 2.0 1.6 1.7 1.8 1.7 1.5 1.8 1.5

Boletín Sísmico

MICROSISMOS - BOGOTA

P = Periodo en segundos  
 A = Amplitud en micras  
 H = Hora

N - S

E - W

DIA	AGOSTO 1.957				AGOSTO 1.957			
	P <sup>0h</sup>	A	P <sup>6h</sup>	A	P <sup>12h</sup>	A	P <sup>18h</sup>	A
1	4.5	1.1	4.0	1.2	6.0	1.3	4.5	1.5
2	4.5	1.5	5.0	1.7	4.0	1.4	5.5	1.6
3	4.0	1.2	6.0	1.5	6.0	1.9	6.0	1.3
4	6.5	1.5	5.0	1.4	5.0	1.0	5.5	1.4
5	6.5	1.1	4.5	1.4	7.5	1.5	5.6	1.6
6	7.0	1.3	6.8	1.0	6.0	1.3	6.5	1.1
7	6.5	1.0	7.5	1.5	6.5	1.5	7.0	1.5
8	8.0	1.3	7.0	1.6	8.0	1.7	5.0	1.6
9	7.0	2.0	5.4	2.2	6.5	1.5	5.0	1.3
10	6.5	1.5	8.0	1.6	5.0	1.7	7.0	1.1
11	6.0	1.4	7.5	2.0	7.0	1.6	7.0	1.5
12	6.5	1.3	7.0	1.6	6.0	1.5	6.8	1.2
13	6.5	1.0	6.5	1.5	4.0	1.4	4.5	1.8
14	7.0	1.8	5.0	1.6	5.0	1.5	5.0	1.3
15	6.4	1.3	7.5	1.3	5.4	1.4	5.5	1.3
16	5.0	1.4	5.0	1.0	5.0	1.3	5.8	1.2
17	6.0	1.5	7.0	2.0	7.0	1.4	7.5	1.0
18	5.0	1.4	6.5	1.5	6.5	1.6	5.0	1.1
19	4.5	1.1	7.0	1.2	4.5	1.0	5.5	1.4
20	5.2	1.4	5.0	1.5	5.0	1.3	5.4	1.2
21	5.5	1.6	4.5	1.4	6.5	1.0	7.0	1.4
22	5.0	1.1	5.6	1.5	5.0	1.6	6.0	1.6
23	5.5	1.4	6.0	1.6	4.5	1.0	5.6	1.5
24	6.0	1.9	5.8	1.8	5.0	1.5	7.0	1.1
25	5.0	1.3	6.1	1.6	6.0	1.7	6.0	1.5
26	5.7	2.0	6.5	1.5	6.5	1.4	5.0	1.0
27	6.5	1.8	7.0	1.0	5.5	1.0	4.5	1.0
28	5.5	0.8	6.0	0.8	6.0	1.1	4.6	1.1
29	5.0	0.9	4.2	1.1	5.0	1.2	4.5	1.0
30	6.0	1.1	5.0	1.2	4.5	1.0	4.6	1.1
31	4.5	1.3	6.0	1.1	5.0	0.9	5.0	0.9

DIA 12 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 5.8 6.0 5.5 5.6 5.4 7.0 5.0 6.5 6.0 6.3 5.0 5.5 6.5 6.4 5.0 5.5 5.6 6.0 6.5 7.0 5.5 5.5 7.0  
 Amplitud: 1.5 1.4 1.5 1.4 1.6 1.1 1.5 1.4 1.7 1.5 1.5 1.5 1.4 1.5 1.5 1.3 1.4 1.1 1.5 1.6 1.5 1.4 1.6 1.9

DIA 12 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.0 6.5 6.0 7.0 8.0 6.0 7.5 6.0 6.0 7.0 5.5 6.5 6.9 5.5 6.5 6.5 6.4 6.5 6.0 7.0 6.0 6.5 7.0 6.0  
 Amplitud: 1.8 1.6 1.5 1.5 2.0 1.3 1.6 1.7 1.5 1.8 1.5 1.4 2.0 1.6 1.6 1.5 1.6 1.4 1.5 2.0 1.6 1.7 1.9 1.7

DIA 25 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 6.0 5.5 5.0 6.0 6.0 5.0 5.5 5.6 5.0 5.6 5.5 6.0 5.0 5.5 5.9 6.5 6.0 5.5 5.5 5.0 7.0 5.5 6.0  
 Amplitud: 2.0 1.6 1.7 1.5 1.6 1.9 1.5 1.6 1.5 1.6 1.7 1.5 1.7 1.6 1.5 1.2 2.0 1.9 1.8 1.5 1.3 1.6 1.3 1.5

DIA 25 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 6.0 6.0 6.0 6.5 5.5 6.0 6.0 6.2 6.0 6.5 6.4 6.5 6.0 6.3 6.0 6.1 6.0 6.5 6.0 5.5 6.1 6.0 5.5  
 Amplitud: 1.5 2.0 2.1 1.6 1.8 1.9 2.2 1.7 1.6 1.7 2.0 1.7 2.0 1.8 2.1 2.2 2.0 2.0 1.6 2.1 1.5 1.4 1.3 1.4

DIA 26 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.2 6.0 6.0 6.0 5.8 6.5 6.2 5.0 6.0 5.0 5.5 6.5 6.0 5.8 6.5 5.6 5.0 5.5 6.0 6.0 7.0 6.0 5.5 6.0  
 Amplitud: 1.7 1.3 1.6 1.5 1.5 1.4 1.3 1.5 1.6 1.8 1.4 1.6 1.5 1.4 1.7 1.7 2.0 1.5 1.6 1.7 2.0 1.6 1.5 1.5

DIA 26 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 6.8 5.5 5.8 5.5 6.0 6.5 6.4 6.5 6.5 5.5 6.0 6.2 6.5 6.0 6.2 6.0 6.5 7.0 6.0 6.2 6.0 5.8 6.5  
 Amplitud: 1.4 1.5 2.0 1.4 1.3 1.5 1.9 1.4 2.0 1.5 1.6 1.8 1.5 1.6 1.4 1.9 1.8 1.7 2.0 1.5 1.6 2.0 1.7 2.1

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MICROSISMOS - BOGOTA

P = Periodo en segundos  
 A = Amplitud en micras  
 H = Hora

DIA	N - S				E - W			
	P <sup>0h</sup>	A	P <sup>6h</sup>	A	P <sup>12h</sup>	A	P <sup>18h</sup>	A
1	5.6	1.0	4.5	1.2	5.0	1.0	5.0	1.1
2	5.0	1.0	5.5	0.9	5.0	1.1	6.0	1.2
3	4.5	1.4	5.0	1.5	5.2	1.5	5.0	1.3
4	5.0	1.2	7.0	1.4	5.0	1.4	4.5	1.0
5	6.3	1.3	5.0	1.3	4.5	1.5	4.8	1.1
6	4.5	1.3	4.1	1.3	7.5	1.0	5.0	1.0
7	5.5	0.8	4.5	1.1	5.5	1.1	7.0	1.1
8	4.5	0.9	5.0	1.0	6.0	1.4	5.5	1.0
9	5.0	1.0	4.5	1.5	7.0	1.0	5.0	0.9
10	7.5	1.1	5.5	1.3	5.5	1.5	4.5	1.1
11	5.3	1.3	7.0	1.5	7.0	1.6	5.5	1.3
12	6.2	1.0	5.5	1.3	5.2	1.1	5.0	1.5
13	5.0	1.3	5.6	1.0	5.0	1.0	5.5	1.3
14	6.0	1.6	4.5	1.4	4.8	1.3	5.3	1.5
15	5.1	1.5	4.6	1.5			5.0	1.1
16	5.0	1.0	5.0	1.2	4.0	1.0	5.5	1.2
17	4.8	0.9	6.0	1.0	5.2	1.2	5.0	1.0
18	6.0	0.8	4.5	1.1	5.5	1.1	6.0	1.3
19	5.0	1.0	6.0	1.3	6.5	1.0	6.5	1.4
20	8.0	1.4	8.0	1.3	6.5	1.5	7.5	1.6
21	7.6	1.5	7.8	1.2	7.7	1.5	6.0	1.4
22	7.5	1.8	8.0	1.5	7.0	1.1	7.5	1.1
23	7.0	1.3	7.0	0.9	6.0	1.0	7.0	1.2
24	4.5	1.1	7.5	1.4	8.0	1.4	4.5	1.0
25	6.0	1.2	6.8	1.0	6.7	1.1	7.0	1.3
26	7.5	0.9	7.0	1.5	7.6	1.7	7.1	1.4
27	7.0	1.5	6.0	1.3	7.0	1.2	7.4	1.5
28	7.5	1.2	7.6	1.3	7.2	1.4	7.5	1.5
29	7.6	1.7	7.0	1.4	7.4	1.3	7.6	1.0
30	6.5	1.5	7.0	2.0	7.5	1.5	7.5	1.1

*[Faint mirrored text from the reverse side of the page, likely bleed-through from the next page's data tables.]*

DIA 18 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 5.0 5.2 4.0 5.5 5.0 5.2 5.5 5.0 6.0 5.0 5.5 6.0 5.0 6.0 5.0 5.0 5.2 5.5 5.0 6.0 6.0 5.0 6.0  
 Amplitud: 1.0 1.1 1.2 1.0 1.1 1.3 1.0 1.5 1.2 1.4 1.3 1.2 1.3 1.4 1.0 1.3 1.4 1.3 1.2 1.4 1.3 1.5 1.4 1.5

DIA 18 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 6.0 6.0 6.1 5.1 6.5 6.0 6.5 5.0 5.2 5.0 5.5 6.2 5.0 6.0 6.0 5.0 5.6 5.5 5.0 5.7 7.0 7.0 6.5  
 Amplitud: 1.8 1.5 1.4 1.5 2.0 1.5 1.3 1.4 1.5 1.6 1.7 1.4 1.5 1.3 1.7 1.4 1.8 1.5 1.4 1.5 1.4 1.8 2.0 1.8

DIA 19 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 5.5 5.0 5.0 5.2 5.5 5.0 5.0 5.5 5.0 5.8 5.0 5.0 6.5 5.5 6.0 6.0 6.5 5.0 7.0 5.5 5.4 6.2 6.0  
 Amplitud: 1.4 1.2 1.1 1.0 1.2 1.3 1.4 1.1 1.5 1.6 1.1 1.2 1.2 1.6 1.2 1.3 1.2 1.5 1.6 1.3 1.2 1.5 1.5 1.3

DIA 19 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.2 5.5 5.6 7.0 6.5 6.2 6.0 6.5 7.5 6.5 5.0 6.0 5.8 6.0 6.5 5.4 5.5 7.0 5.6 6.0 6.0 5.2 5.8 6.5  
 Amplitud: 1.6 1.5 1.6 1.7 1.8 1.3 2.0 1.6 1.4 1.9 1.4 1.6 2.0 1.5 1.4 2.0 1.5 1.8 2.1 1.7 1.6 2.1 2.3 1.8

DIA 20 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 5.6 5.0 4.8 5.0 6.0 6.2 5.3 6.5 7.0 7.5 6.5 6.4 6.0 7.5 7.4 7.0 7.5 6.5 6.4 7.0 7.6 7.5 7.5  
 Amplitud: 1.6 1.5 1.3 1.3 1.2 1.5 1.7 1.4 1.6 1.5 1.6 1.7 1.6 1.7 1.4 1.5 1.7 1.8 1.6 1.8 2.0 1.6 1.5 1.5

DIA 20 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 5.2 6.5 5.7 6.0 6.0 5.0 5.5 6.0 5.5 6.0 7.0 6.0 6.5 6.0 6.4 6.0 5.6 6.0 5.7 6.0 6.5 7.0 7.0  
 Amplitud: 1.6 2.0 2.1 2.0 2.1 1.8 1.6 1.5 2.3 1.7 1.8 1.9 1.7 2.0 1.6 1.8 2.0 1.8 1.5 1.6 1.8 2.0 2.1 2.0

DIA 21 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.0 8.0 7.0 6.0 6.5 6.4 6.0 7.0 7.5 8.0 7.6 7.0 6.5 7.0 7.5 7.0 6.5 7.5 7.3 6.6 6.0 7.5 7.6 7.0  
 Amplitud: 1.8 1.6 1.5 1.4 1.7 1.6 1.3 1.5 1.7 1.8 2.0 1.9 1.5 1.7 1.8 1.5 1.6 1.5 2.0 1.3 1.8 1.7 1.6 2.0

DIA 21 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 7.0 6.0 5.0 6.5 6.0 7.5 7.0 5.0 7.5 6.0 5.5 6.5 7.5 5.5 7.0 6.8 5.5 6.0 6.0 6.2 6.5 5.5 7.5  
 Amplitud: 1.8 1.5 1.4 1.6 2.0 2.1 2.0 1.9 1.5 1.6 1.5 1.4 1.6 1.2 1.4 1.5 2.0 1.4 2.0 1.8 1.6 1.5 1.6 2.0

DIA 22 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.5 7.0 6.0 7.5 7.0 8.0 6.5 7.5 7.0 7.6 8.0 7.0 7.0 7.5 7.6 7.0 6.8 7.0 6.0 6.5 7.5 6.0 7.3 7.0  
 Amplitud: 1.5 1.6 1.4 1.9 1.6 1.9 1.6 2.0 1.5 1.6 1.9 1.5 1.6 1.5 1.8 1.5 1.4 2.0 1.4 1.5 1.6 1.8 1.7 1.6

DIA 22 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.5 7.0 6.5 5.0 7.0 6.0 7.5 6.0 6.2 6.5 6.0 8.0 6.5 7.0 5.5 6.0 6.5 6.1 7.5 7.4 7.0 6.8 6.0 7.0  
 Amplitud: 1.6 2.0 1.5 1.8 1.5 1.9 1.6 1.5 2.0 1.6 2.0 1.5 1.6 1.5 1.7 2.0 1.7 1.6 1.9 1.7 1.6 1.9 1.6 2.0

DIA 23 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.5 7.2 6.5 5.0 6.5 6.4 6.5 7.0 5.2 6.2 6.0 5.5 5.6 6.5 7.0 6.5 6.2 6.0 5.0 5.5 5.4 5.0 5.5 6.0  
 Amplitud: 1.4 1.7 1.5 1.4 1.5 1.6 1.3 1.5 1.4 1.6 1.3 1.2 1.4 1.3 1.6 1.5 1.4 1.1 1.3 1.4 1.2 1.7 1.3 1.5

DIA 23 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.5 6.0 5.7 7.0 6.0 5.5 7.0 7.5 6.0 6.5 6.0 7.0 6.5 5.0 6.5 6.4 7.0 7.5 6.5 5.5 6.0 6.2 5.5 6.0  
 Amplitud: 1.8 1.9 1.6 1.7 1.5 1.3 1.4 1.7 1.5 1.8 1.5 1.9 1.6 1.5 1.8 1.6 1.7 2.0 1.5 1.6 1.5 1.8 1.4 1.6

DIA 24 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 7.0 5.0 5.2 6.5 6.3 6.0 5.0 5.6 6.5 5.5 5.8 5.5 6.0 5.8 5.5 6.5 6.4 5.0 7.5 6.5 5.0 7.0  
 Amplitud: 1.3 1.5 1.2 1.3 1.3 1.5 1.2 1.1 1.3 1.2 1.4 1.2 1.3 1.5 1.4 1.0 1.2 1.5 1.3 1.5 1.7 1.6 1.5

DIA 24 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 7.0 5.0 5.2 6.0 5.5 7.0 6.5 6.0 6.5 7.0 6.0 5.0 5.3 5.5 5.0 6.5 6.0 7.0 5.0 7.0 5.5 6.0 6.5  
 Amplitud: 1.4 1.5 1.6 1.0 1.7 1.6 1.9 1.3 1.8 1.6 1.7 1.5 1.4 1.5 1.3 1.7 1.5 1.8 1.6 1.7 1.5 1.8 1.7 1.5

DIA 25 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.0 5.0 6.0 6.5 6.3 6.5 7.0 7.0 7.5 7.0 6.0 6.5 6.4 6.0 5.0 6.0 5.0 6.5 6.0 7.0 7.5 6.0 7.5 7.5  
 Amplitud: 1.6 1.2 1.4 1.3 1.5 1.4 1.3 1.5 2.0 1.4 1.3 1.4 1.7 1.8 1.3 1.5 1.6 1.3 1.5 1.4 1.6 1.2 1.5 1.6

DIA 25 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 5.5 5.0 6.5 5.5 6.5 5.5 7.0 6.5 6.3 6.5 6.0 5.5 6.0 7.0 6.5 6.0 7.0 7.5 6.5 6.0 6.5 7.0 6.0  
 Amplitud: 2.0 1.8 1.5 1.7 1.5 1.1 1.8 2.0 1.5 1.9 1.6 1.5 1.4 1.6 1.5 1.7 1.5 1.8 1.9 1.7 1.8 1.6 2.0 2.0

DIA 26 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.0 6.5 7.5 6.0 7.5 5.5 7.0 7.5 7.0 7.5 7.0 7.4 6.0 6.5 7.0 7.0 6.5 7.0 6.5 7.0 6.5 6.0 6.5 6.4  
 Amplitud: 1.8 1.4 1.5 1.4 1.8 1.3 2.0 1.5 1.6 1.5 1.4 1.6 1.5 1.7 2.0 1.9 1.4 1.5 1.9 1.3 1.8 1.4 1.6 1.7

DIA 26 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.5 7.0 6.4 6.5 7.0 6.0 6.2 6.5 6.7 6.0 5.5 6.0 7.5 6.2 6.5 7.0 5.5 7.0 7.0 6.0 5.8 6.5 7.5 6.0  
 Amplitud: 1.6 1.8 1.6 1.8 2.0 1.9 1.6 1.8 1.9 1.6 1.5 1.7 1.8 1.9 2.0 1.8 1.3 1.8 1.5 1.4 1.5 1.6 1.8 1.5

DIA 27 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.0 6.5 6.5 7.0 6.8 6.5 7.0 5.5 6.0 5.5 7.0 7.4 6.0 7.5 6.5 6.9 6.8 6.5 7.0 7.0 7.2 7.8 6.5 7.0  
 Amplitud: 1.7 1.9 1.6 1.5 1.8 1.5 1.3 1.7 1.4 1.6 1.9 1.6 1.5 2.0 1.5 1.7 1.6 1.4 1.7 1.6 1.5 1.6 1.5 1.7

DIA 27 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.5 7.0 6.0 6.0 7.0 6.5 6.4 7.0 6.8 7.0 7.5 6.5 7.0 7.0 6.0 6.0 6.2 7.0 6.5 7.0 6.5 6.6 7.0 7.5  
 Amplitud: 2.0 1.9 1.8 1.6 1.9 1.7 2.0 1.5 1.6 2.0 1.9 2.1 2.0 1.8 1.6 2.0 1.3 1.5 1.6 1.9 1.8 1.6 2.0 2.1

DIA 30 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.9 7.0 7.5 7.6 7.0 6.8 5.0 7.0 6.5 7.0 6.5 6.4 7.0 7.3 7.0 6.2 6.0 7.0 6.8 7.0 6.0 6.2 6.5 6.4  
 Amplitud: 1.4 1.9 1.5 1.4 1.6 1.3 1.2 1.5 1.4 1.6 2.0 1.7 1.5 1.8 1.6 1.3 1.2 1.5 1.6 1.8 1.2 1.5 1.8 1.5

DIA 30 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.0 6.5 6.0 6.2 6.5 7.0 7.0 7.2 5.0 6.0 7.0 6.0 6.5 6.3 7.0 7.5 5.0 6.5 7.0 7.2 6.5 6.0 7.0 6.0  
 Amplitud: 1.6 1.8 1.4 1.5 1.9 1.6 1.5 1.7 1.4 1.5 1.6 1.3 1.6 1.7 1.9 1.6 1.5 2.0 1.7 2.0 1.8 1.9 2.0 1.5

*[Faint, illegible text, likely bleed-through from the reverse side of the page]*



MICROSISMOS - BOGOTA

P = Periodo en segundos  
A = Amplitud en micras  
H = Hora

DIA	N - S				E - W			
	P <sup>0h</sup>	A <sup>0h</sup>	P <sup>6h</sup>	A <sup>6h</sup>	P <sup>12h</sup>	A <sup>12h</sup>	P <sup>18h</sup>	A <sup>18h</sup>
1	6.5	1.6	7.0	1.2	6.0	1.3	7.0	1.2
2	6.4	1.0	7.5	1.1	7.0	1.0	7.1	1.0
3	5.0	0.9	6.0	1.0	5.5	1.1	5.2	1.1
4	7.5	1.0	6.5	1.1	6.0	0.8	7.3	1.0
5	6.0	0.9	5.4	1.5	6.8	1.0	6.4	1.3
6	7.0	1.3	6.0	1.4	6.4	1.3	7.0	1.5
7	7.0	1.2	6.7	1.3	7.5	1.1	7.5	1.3
8	7.2	1.1			6.4	1.1		
9	7.0	1.0	6.5	1.1	6.4	1.0	6.5	1.3
10	5.4	0.9	7.0	1.0	6.5	0.9	6.4	1.2
11	4.5	1.1	7.2	1.2	5.0	1.1	5.6	1.1
12	5.0	0.9	5.0	1.0	7.5	1.2	6.0	1.0
13	7.0	1.3	7.0	1.3	6.7	1.1	6.8	1.2
14	7.5	1.2	6.0	1.1	5.0	1.0	6.5	1.0
15	5.5	0.9	7.0	1.2	5.2	1.1	5.5	1.1
16	6.0	1.0	5.6	1.0	5.0	0.9	6.0	1.0
17	5.8	1.2	5.6	1.0	5.0	1.5	4.5	1.2
18	6.0	1.0	5.5	1.4	5.7	1.3	7.0	1.1
19	5.0	1.1	6.0	1.1	5.5	1.0	5.0	1.0
20	5.6	0.9	7.0	1.2	7.5	1.3	7.0	1.3
21	6.5	1.1	5.5	1.3	6.7	1.7	6.0	1.2
22	8.0	1.6	8.2	1.7	7.5	2.1	7.0	1.6
23	8.0	1.7	6.0	1.3	6.5	1.2	6.0	1.4
24	7.0	1.1	7.4	1.2	7.5	1.1	6.8	1.2
25	7.1	1.0	5.5	1.6	5.0	1.5	5.3	1.5
26	5.0	1.5	4.8	1.5	5.2	1.8	6.9	1.3
27	5.2	1.1	6.0	1.2	6.0	1.5	6.5	1.4
28	6.0	1.2	7.5	1.8	7.2	1.3	5.0	1.6
29	6.0	1.3	5.0	1.1	5.1	1.2	5.3	1.5
30	6.5	1.0	5.2	1.5	5.0	1.4	6.0	1.2
31	5.6	1.4	6.0	1.3	5.5	1.2	5.0	1.1

DIAS ESPECIALES DE OCTUBRE 1.957 - GMT

DIA 22 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 8.0 5.0 6.5 7.0 6.0 5.0 6.0 5.8 6.0 6.5 7.0 7.5 7.0 6.7 5.5 6.5 7.0 6.5 7.5 6.5 7.0 7.5 7.0  
 Amplitud : 1.5 1.7 1.5 1.6 1.3 1.7 1.3 1.5 1.4 1.6 1.7 1.8 1.6 1.5 1.7 1.9 1.5 1.7 1.8 1.6 1.8 1.7 2.0 1.9

DIA 22 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.5 6.4 6.0 5.0 5.5 5.6 5.5 7.0 5.0 5.5 6.0 6.5 7.0 6.4 7.5 6.5 6.0 6.5 6.0 6.2 6.5 6.0 5.8 7.0  
 Amplitud : 1.4 1.5 1.7 1.6 1.5 1.4 1.3 1.8 1.6 1.2 1.4 1.7 1.9 1.5 1.8 1.6 1.7 1.4 1.5 1.6 1.7 1.5 1.6 2.1

DIA 23 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.0 8.0 7.5 6.5 5.0 6.5 5.5 7.5 6.5 7.0 7.5 7.0 6.5 6.1 6.0 6.5 6.4 6.0 7.0 6.2 6.5 6.8 6.4 6.0  
 Amplitud : 1.8 1.9 1.6 1.6 1.5 2.0 1.6 1.5 1.7 1.9 1.8 2.0 1.9 1.8 1.5 1.6 1.8 1.5 1.8 1.7 1.5 1.6 1.5 1.4

DIA 23 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.5 7.0 6.4 6.5 7.6 5.0 6.5 7.0 6.0 7.5 7.0 7.0 5.5 6.0 6.0 7.0 6.5 6.0 6.4 5.5 6.5 7.0 6.5 6.6  
 Amplitud : 1.6 1.8 1.7 1.9 1.8 1.2 2.0 1.8 2.0 1.9 1.6 1.8 1.3 1.5 2.0 2.1 1.8 1.7 1.6 1.5 1.8 1.9 1.5 2.0

DIA 24 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.5 7.0 5.0 6.5 5.0 6.0 6.2 5.0 5.5 7.0 6.5 5.5 5.0 6.0 5.0 5.5 5.8 6.0 6.5 5.5 6.0 6.5 5.5 6.0  
 Amplitud : 1.5 1.4 1.6 1.5 1.4 1.5 1.6 1.3 1.5 1.7 1.2 1.3 1.2 2.0 1.8 1.4 1.6 1.8 1.3 1.7 1.8 1.6 1.8 1.5

DIA 24 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 6.5 6.0 5.0 6.0 6.2 6.5 5.0 6.3 5.0 5.3 7.0 5.0 5.5 5.3 5.6 5.5 5.0 5.8 5.0 7.0 5.0 6.0 5.5  
 Amplitud : 1.5 1.6 1.8 1.4 1.5 1.7 1.4 1.6 1.5 1.7 1.6 1.4 1.6 2.0 1.5 1.7 1.5 1.8 1.6 1.5 1.4 1.3 1.6 1.7

DIAS ESPECIALES DE NOVIEMBRE 1.957 - GMT

**DIA 14 - N - S**  
 Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 6.5 6.0 6.2 5.0 6.0 5.8 6.0 5.0 5.6 6.5 5.3 5.0 6.0 6.5 6.0 6.2 5.5 6.0 5.5 5.4 5.0 6.5 5.7  
 Amplitud: 1.5 2.0 1.3 1.4 1.2 1.3 1.5 1.7 1.3 1.3 1.4 1.5 1.7 1.4 1.5 1.4 1.6 1.5 1.6 1.7 1.7 1.5 1.3 1.5

**DIA 14 - E - W**  
 Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 6.0 5.0 5.7 6.5 5.5 5.0 5.6 6.0 5.8 6.2 5.5 5.7 7.0 5.5 5.7 6.5 6.0 5.0 6.0 6.2 5.5 5.4 6.0  
 Amplitud: 1.8 1.7 1.5 1.6 1.8 1.7 1.4 1.5 2.0 1.9 1.4 1.6 1.5 2.0 1.5 2.1 1.3 1.8 1.5 1.6 1.4 1.5 2.0 1.8

**DIA 21 - N - S**  
 Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.0 5.0 5.2 5.0 5.8 5.5 6.0 7.0 5.2 7.0 6.5 7.0 6.0 5.5 5.3 5.0 5.5 6.0 7.0 6.0 6.5 5.5 6.0 6.5  
 Amplitud: 1.4 1.3 1.3 1.3 1.2 1.1 1.3 1.4 1.2 1.5 1.3 1.5 1.4 1.3 1.2 1.5 1.4 1.5 1.6 1.4 1.5 1.3 1.6 1.5

**DIA 21 - E - W**  
 Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 6.5 6.0 5.5 5.0 5.5 7.0 6.0 6.2 6.0 5.5 6.0 6.5 7.0 5.0 5.5 6.0 5.5 5.8 6.5 5.0 5.2 6.5  
 Amplitud: 1.3 1.2 1.8 1.6 1.7 1.5 1.9 1.6 1.7 2.0 1.6 1.5 1.7 1.6 1.8 1.7 2.0 1.8 1.7 1.9 1.8 1.5 1.6

**DIA 22 - N - S**  
 Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 5.0 5.5 5.4 5.0 5.3 5.0 5.0 6.0 5.8 5.0 4.8 5.5 6.5 7.5 6.0 4.5 6.5 5.0 5.5 6.5 5.0 4.8 7.0  
 Amplitud: 1.3 1.2 1.3 1.2 1.3 1.1 1.4 1.3 1.2 1.1 1.4 1.3 1.2 1.3 1.4 1.6 1.3 1.1 1.4 1.3 1.2 1.5 2.1 1.4 1.4

**DIA 22 - E - W**  
 Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 5.8 5.0 6.0 5.2 5.5 5.0 6.0 5.2 6.5 4.5 6.0 5.0 5.5 6.0 5.8 6.0 6.5 6.3 5.5 5.0 5.3 6.0 5.0  
 Amplitud: 1.5 1.7 1.8 1.4 1.6 1.7 1.5 1.8 1.6 1.7 1.8 1.7 1.9 1.5 1.6 1.4 1.9 1.5 1.7 1.8 1.5 1.7 1.6 1.8

DIAS ESPECIALES DE NOVIEMBRE 1.957 - GMT

MICROSISMOS - BOGOTA

P = Periodo en segundos  
 A = Amplitud en micras  
 H = Hora

DIA	N - S				E - W			
	P <sup>0h</sup>	A	P <sup>6h</sup>	A	P <sup>12h</sup>	A	P <sup>18h</sup>	A
1	5.0	1.5	6.0	1.0	5.0	1.3	5.0	1.2
2	5.2	1.0	6.1	1.5	5.5	1.1	5.2	1.3
3	5.0	1.2				6.5	1.0	
4	6.0	1.0	6.7	1.1	5.0	1.2	6.0	1.6
5	6.5	1.3	5.5	1.4	5.1	1.3	7.0	1.4
6	5.0	1.4	7.0	1.3	6.0	1.4	7.4	1.3
7	6.2	1.3	5.5	1.2	7.0	1.5	7.5	1.7
8	7.6	1.6	7.0	1.3	6.0	1.6	7.0	1.6
9	6.4	1.2	6.5	1.6	6.4	1.1	7.1	1.7
10	7.5	1.3	5.0	1.3	6.5	1.5	7.0	1.5
11	7.4	1.8	7.5	2.1	7.0	1.8	7.1	1.8
12	7.0	1.6	7.1	2.0	7.2	1.5	7.5	1.4
13	5.5	1.0	6.0	1.4	6.0	1.3	6.4	1.5
14	5.0	1.5	6.0	1.5	6.5	1.4	6.2	1.6
15	6.5	1.3	6.6	1.2	7.0	1.0	6.8	1.3
16	5.0	1.1	7.0	1.5	6.0	1.4	6.0	1.4
17	5.1	1.4	6.0	1.3	6.0	1.3	6.0	1.5
18	7.0	1.5	6.5	1.6		6.2	1.1	
19	6.5	1.0	7.0	1.1	5.8	0.9	5.5	1.4
20	6.8	1.5	7.5	1.2	6.2	1.6	6.5	1.0
21	6.5	1.6	7.0	1.0	6.0	1.1	6.0	1.0
22	5.0	0.9	5.1	1.3	7.0	1.3	6.5	1.3
23	7.4	1.1	7.5	1.2	7.0	1.1	7.0	1.0
24	7.0	1.5	6.5	1.4	7.5	1.2	7.0	1.1
25	4.5	1.0	6.0	1.3	7.0	1.6	5.7	1.2
26	5.5	1.1	5.7	1.2	6.0	1.3	6.6	1.5
27	6.0	1.2	5.5	1.4	6.5	1.2	6.3	1.3
28	5.5	1.3	5.0	1.2	5.0	1.1	6.0	1.4
29	5.0	1.2	5.5	1.1	6.2	1.0	6.0	1.3
30	5.2	1.3	4.5	1.2	7.0	1.3	5.5	1.2

MICROSISMOS - BOGOTA

P= Periodo en segundos  
A= Amplitud en micras  
H= Hora

N - S

E - W

DIA	0 <sup>h</sup>				6 <sup>h</sup>				12 <sup>h</sup>				18 <sup>h</sup>			
	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A
1	5.0	1.1	6.0	1.3	6.0	1.2	6.0	1.2	6.5	1.5	6.0	1.5	6.7	1.5	7.0	1.5
2	6.0	1.3	5.0	1.4	5.5	1.1	6.0	1.5	7.0	1.3	6.5	1.5	6.0	1.3	6.9	1.6
3	5.0	1.4	5.5	1.5	7.0	1.4	6.4	1.3	6.0	1.5	6.4	1.4	6.1	1.5	6.5	1.5
4	6.0	1.1	6.0	1.3	5.6	1.5	6.0	1.5	6.4	1.3	7.0	1.2	6.0	1.8	5.0	1.7
5	6.5	1.3	6.2	1.3	6.5	1.4	6.0	1.3	6.0	1.4	6.7	2.0	5.6	1.6	6.5	1.3
6	6.4	1.5	7.0	1.3	7.0	1.5	6.5	1.4	6.5	1.6	5.5	1.4	5.0	1.4	6.0	1.5
7	6.3	1.4	5.5	1.4	6.0	1.4	6.4	1.6	5.5	1.5	7.0	1.5	5.2	2.1	6.2	1.6
8	6.3	1.4	5.5	1.5	6.2	1.3	6.0	1.4	6.0	2.0	5.8	1.7	6.0	1.6	6.4	1.3
9	7.0	1.4	6.0	1.6	6.0	1.5	5.0	1.3	7.0	1.3	5.7	1.6	6.2	1.7	6.0	1.7
10	5.2	1.6	6.2	1.5	6.0	1.4	5.2	1.6	5.0	1.4	6.0	1.3	6.0	1.3	7.0	1.5
11	5.5	1.5	5.5	1.6	5.5	1.5	5.6	1.3	5.2	1.6	6.2	1.4	6.2	1.2	5.5	1.8
12	6.0	1.6	5.3	1.3	5.0	1.4	6.5	1.2	6.0	1.7	5.0	1.8	5.0	1.5	6.0	1.6
13	5.0	0.9	6.0	1.0	5.2	1.1	5.5	1.3	6.2	1.4	5.2	1.6	6.0	2.0	5.8	1.5
14	5.2	1.4	5.5	1.2	5.0	1.2	7.0	1.1	5.0	1.5	5.5	1.3	6.1	1.3	6.2	1.4
15	6.0	1.2	6.5	1.3	6.0	1.1	6.0	1.5	5.5	1.2	6.0	1.4	6.0	1.4	5.0	1.2
16	7.0	1.5	6.8	1.4	6.1	1.3	5.0	1.1	6.5	1.5	5.0	1.3	5.5	1.1	6.5	1.2
17							6.5	1.4	6.1	1.3	6.0	1.5	5.8	1.2	6.2	1.4
18	6.8	1.3	5.7	1.2	6.0	1.1	6.0	1.4	7.0	1.2	5.0	1.4	5.6	1.5	5.5	1.3
19	6.0	1.0	4.8	1.3	5.5	1.2	6.2	1.4	5.6	1.4	6.0	1.0	6.5	1.4	6.0	1.5
20	6.0	1.5	6.4	1.1	5.0	1.2	5.5	1.1	5.0	1.3	5.5	1.6	5.0	1.3	5.0	1.2
21	5.8	1.3	5.6	1.0	5.1	1.1	5.2	1.4	5.2	1.0	6.0	1.5	5.5	1.2	5.2	1.3
22	5.0	1.2	5.3	1.3	5.3	1.4	5.5	1.2	5.0	1.5	5.0	1.4	4.8	1.5	5.0	1.5
23	5.0	1.3	6.2	1.4	5.7	1.1	7.0	1.5	5.2	1.7	5.5	1.6	5.0	1.7	5.5	1.4
24	5.0	1.4					5.0	1.2	5.0	1.4	5.7	1.5	5.2	2.0	5.0	1.3
25	4.5	1.0	6.5	1.1	5.0	1.3	6.2	1.3	5.0	1.2	4.0	1.3	5.0	1.5	5.5	1.4
26	6.0	1.2	5.0	1.3	5.2	1.4	5.0	1.5	5.3	1.5	5.0	1.8	5.5	1.6	5.4	1.5
27	4.5	1.4	5.0	1.5	6.0	1.3	5.0	1.6	5.4	1.4	5.2	1.4	5.0	1.5	6.0	1.4
28	5.5	1.3	5.4	1.4	5.5	1.4	5.8	1.3	6.0	1.6	4.6	1.3	5.0	1.1	5.0	1.4
29	5.7	1.4	6.3	1.5	6.2	1.1	6.0	1.1	6.2	1.0	5.0	1.2	5.3	1.3	5.5	1.3
30	5.5	1.2	5.6	1.3	5.0	1.2	7.0	1.2	6.0	1.4	5.2	1.5	5.0	1.2	6.0	1.5
31	5.0	1.1	5.0	1.2	5.0	1.4	5.2	1.0	5.0	1.1	5.5	1.2	6.0	1.3	5.5	1.4

DIAS ESPECIALES DE DICIEMBRE 1.957 - GMT.

DIA 18 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 5.0 6.0 5.0 5.5 6.5 7.0 5.5 6.0 5.3 6.5 6.0 6.6 5.5 6.4 6.0 7.0 6.0 6.2 5.0 6.5 6.0 6.0 5.0  
 Amplitud: 1.3 1.6 1.8 1.4 1.3 1.5 1.4 1.6 1.5 1.7 1.9 1.6 1.4 1.7 1.5 1.6 1.6 1.5 1.7 1.6 1.9 1.5 1.7 2.0  
 DIA 19 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 5.5 7.0 6.0 6.5 6.0 5.8 5.0 6.0 5.7 5.0 5.9 7.0 6.5 6.0 5.8 5.0 5.2 5.5 5.0 6.0  
 Amplitud: 1.3 1.1 1.2 1.4 1.3 1.2 1.4 1.5 1.3 1.4 1.2 1.4 1.5 1.6 1.0 1.4 1.6 1.1 1.5 1.6 1.3

DIA 19 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 5.0 5.0 5.4 5.0 5.3 5.5 6.0 6.5 6.5 6.0 5.8 5.5 5.3 5.5 6.0 5.5 6.0 5.9 5.5 5.3 5.2 5.0 5.5  
 Amplitud: 2.0 1.6 1.5 1.7 1.3 1.2 1.5 1.4 1.6 1.7 1.3 1.8 1.6 1.4 1.3 1.5 1.4 1.6 1.5 1.7 1.3 1.4 1.5 1.4  
 DIA 20 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 5.5 4.8 5.5 6.0 6.5 6.0 6.3 6.5 6.0 6.2 5.8 6.5 6.3 6.0 7.0 6.5 7.0 6.3 6.0 6.0 5.8 6.0 5.5  
 Amplitud: 1.3 1.4 1.2 1.5 1.4 1.6 1.5 1.4 1.6 1.5 1.8 1.4 1.5 1.7 1.6 1.1 1.5 1.6 1.4 1.3 1.5 1.3 1.4 1.2

DIA 20 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 5.5 6.2 6.5 5.5 6.0 5.6 5.4 6.0 6.0 6.5 6.0 6.5 6.2 6.3 5.5 6.0 5.5 6.0 5.0 5.2 5.7 5.0 4.8  
 Amplitud: 1.4 1.6 1.5 1.7 1.4 1.3 1.8 1.4 1.5 1.9 1.6 1.5 1.4 1.6 1.7 1.4 1.3 1.5 1.6 1.4 1.3 1.5 1.4 1.6

DIA 21 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.0 6.0 5.8 5.0 7.0 6.8 7.0 6.5 5.0 5.5 7.5 6.5 5.0 6.0 5.2 7.0 6.0 5.3 6.2 6.5 6.3 6.0 6.1 6.5  
 Amplitud: 1.3 1.1 1.2 1.4 1.3 1.5 1.4 1.3 1.2 1.5 1.6 1.3 1.4 1.6 1.3 1.4 1.2 1.6 1.3 1.5 1.4 1.6 1.3 1.1

DIA 21 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 6.5 5.5 5.0 6.0 5.5 6.0 5.4 6.0 5.8 7.0 6.5 6.0 6.2 5.8 5.0 6.5 5.0 6.0 6.2 5.0 6.5 6.3 5.0  
 Amplitud: 1.4 1.3 1.5 1.4 1.6 1.3 1.5 2.7 1.1 1.3 1.5 1.4 1.3 1.5 1.0 1.3 1.1 1.5 1.5 1.6 1.5 1.3 1.7 2.0

DIA 22 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 5.5 6.0 6.5 5.5 5.7 5.0 6.0 5.8 5.0 4.8 6.0 6.5 5.0 6.0 5.5 7.0 6.5 5.0 6.5 5.0 6.0 5.2 6.0  
 Amplitud: 1.3 1.2 1.1 1.5 1.4 1.3 1.5 1.4 1.2 1.3 1.5 1.4 1.6 1.5 1.3 1.6 1.4 1.6 1.5 1.7 1.4 1.5 1.3 1.6  
 DIA 22 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 6.5 6.0 5.0 6.0 5.2 5.5 5.7 5.0 6.0 5.3 6.5 5.5 7.0 5.5 5.2 6.0 5.5 5.0 6.5 5.0 6.0 5.8 5.0  
 Amplitud: 1.4 1.3 1.6 1.8 1.9 1.7 1.6 1.9 1.7 1.6 1.8 2.0 1.9 1.4 1.5 1.7 1.5 1.7 1.8 1.9 2.0 1.5 1.8 1.7

DIAS ESPECIALES DE DICIEMBRE 1. 957 - GMT

DIA 12 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 5.5 5.0 5.3 5.0 5.0 5.5 5.2 5.0 6.5 5.5 5.7 5.4 5.5 6.0 6.0 5.8 5.5 5.7 5.0 5.5 6.0 5.3 6.0  
 Amplitud: 1.6 1.8 1.7 1.9 1.6 1.5 1.7 1.6 1.5 1.7 1.6 1.8 1.5 1.7 1.6 1.8 1.5 1.9 1.5 1.6 1.7 1.9 1.6 1.8

DIA 12 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 5.5 6.0 5.8 5.2 5.5 6.0 5.0 6.0 5.0 7.3 6.0 5.5 6.0 5.8 6.0 5.5 6.5 5.5 6.0 5.0 5.8 4.8 5.0  
 Amplitud: 2.0 1.9 1.6 1.4 1.2 2.1 1.6 1.8 1.9 1.6 1.8 1.5 1.9 1.6 1.7 1.8 1.9 2.0 1.7 1.9 1.6 1.7 1.5 1.8

DIA 13 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 5.3 5.0 5.2 5.0 5.5 5.0 5.6 5.0 5.3 5.2 5.0 5.7 6.5 5.0 5.2 5.5 5.3 6.0 5.0 5.5 5.2 5.0 6.0  
 Amplitud: 1.5 1.4 1.7 1.5 1.4 1.6 1.5 1.3 1.6 1.7 1.3 1.2 1.4 1.5 1.3 1.2 1.3 1.4 1.1 1.4 1.3 1.5 1.2 1.5

DIA 13 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 5.5 5.3 6.0 6.5 6.0 5.0 5.5 5.2 5.5 5.0 5.0 6.0 5.5 6.0 6.0 5.2 5.5 5.0 5.3 6.0 5.5 5.0 6.0  
 Amplitud: 1.8 1.6 1.5 2.0 1.8 1.7 1.6 1.8 1.5 1.9 2.0 1.5 2.1 1.6 1.5 1.6 1.8 1.7 1.6 1.8 1.7 1.6 1.8 1.4

DIA 14 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 5.0 4.8 5.0 5.8 5.5 6.5 5.9 5.3 5.0 5.2 6.0 5.0 5.3 5.5 6.0 6.0 5.8 6.5 5.0 5.5 6.0 5.0  
 Amplitud: 1.3 1.5 1.2 1.6 1.4 1.7 1.3 1.5 1.4 1.6 1.5 1.7 1.5 1.6 1.4 1.2 1.5 1.2 1.5 1.4 1.6 1.5 1.3

DIA 14 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 5.5 6.0 5.5 5.5 6.0 6.5 5.5 5.6 6.0 5.0 5.8 5.0 5.5 5.0 5.2 5.0 5.5 6.5 6.0 5.5 5.0 5.3  
 Amplitud: 2.0 1.8 1.5 1.3 1.5 1.6 1.8 1.6 1.5 1.7 1.6 1.8 1.7 1.8 1.4 1.6 1.8 1.6 1.4 1.7 1.9 1.6 1.5

DIA 15 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 5.5 5.0 6.5 6.0 5.0 4.8 5.2 5.0 6.0 6.5 5.8 6.5 6.0 6.3 6.0 7.5 6.0 6.3 7.0 6.5 6.4 6.0 6.3  
 Amplitud: 1.4 1.3 1.1 1.6 1.8 1.5 1.3 1.4 1.5 1.2 1.3 1.4 1.6 1.3 1.5 1.4 1.8 1.5 1.4 1.1 1.6 1.5 1.4 1.5

DIA 15 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 6.5 6.3 5.5 5.0 5.0 5.8 5.0 6.0 5.2 5.5 6.5 6.0 5.0 4.8 7.0 7.4 6.5 6.0 6.3 7.0 7.5 7.0 6.5  
 Amplitud: 1.7 1.4 1.8 1.7 1.4 1.6 1.8 1.4 1.2 1.5 1.4 1.3 1.7 1.5 1.3 1.6 1.9 1.7 1.8 1.6 1.8 1.5 1.7 1.9

DIA 16 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.0 4.8 6.0 6.5 7.0 6.0 5.2 5.5 6.5 5.3 5.5 6.0 6.0 6.5 6.0 6.5 7.0 5.8 6.3 6.0 6.5 6.3 7.0 6.0  
 Amplitud: 1.8 1.1 1.5 1.4 1.2 1.3 1.8 1.2 1.4 1.3 1.5 1.2 1.8 1.4 1.3 1.5 1.7 1.3 1.4 1.5 1.6 1.4 1.7 1.1

DIA 16 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.8 6.5 5.0 6.0 6.0 7.0 5.0 6.6 5.2 6.5 5.5 6.0 5.5 6.0 5.5 7.0 5.7 7.0 5.5 5.3 6.0 6.5 6.3 6.0  
 Amplitud: 2.0 2.8 1.5 1.3 1.4 1.9 1.5 1.6 1.3 1.4 1.2 1.7 1.5 1.4 1.5 1.7 1.5 1.4 1.3 1.5 1.4 2.0 1.6 1.4

DIA 17 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.0 6.0 5.0 5.3  
 Amplitud: 1.6 1.4 1.3 1.5

DIA 17 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 6.0 6.5 5.5 6.0 7.0 6.5 5.3 5.0 7.0 6.5 5.5 6.5 6.0 6.2 6.0 7.0 5.0 6.0 6.2 5.5 6.5 5.8  
 Amplitud: 1.8 1.4 1.5 1.7 1.6 1.5 1.6 1.7 1.3 1.6 1.5 1.5 1.3 1.4 1.6 1.3 1.5 1.2 1.8 1.4 1.6 1.5 1.3

DIA 18 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 7.0 6.0 6.5 6.0 5.0 6.2 5.5 6.5 7.0 6.8 6.5 6.3 6.0 6.1 7.0 6.0 5.5 6.0 6.5 5.5  
 Amplitud: 1.3 1.5 1.4 1.6 1.5 1.4 1.7 1.8 1.6 1.5 1.7 1.4 1.3 1.4 1.2 1.3 1.6 1.5 1.7 1.3 1.5

MICROSISMOS - CHINCHINA

P = Período en segundos  
 A = Amplitud en micras  
 H = Hora

DIA	N - S				E - W			
	0 <sup>h</sup>	6 <sup>h</sup>	12 <sup>h</sup>	18 <sup>h</sup>	0 <sup>h</sup>	6 <sup>h</sup>	12 <sup>h</sup>	18 <sup>h</sup>
JULIO 1. 957	P	A	P	A	P	A	P	A
1	4.5	0.9	4.6	0.8	5.1	0.9	5.0	0.6
2	4.6	0.7	5.0	0.6	4.5	0.6	4.7	0.8
3	4.3	0.8	4.6	0.9	4.6	0.8	4.5	0.6
4	5.0	1.0	5.2	0.8	5.0	0.9	4.6	1.0
5	5.5	0.9	5.0	0.9	6.0	1.0	4.5	0.9
6	5.4	0.8	6.0	1.0	7.0	1.1	7.0	1.0
7	5.6	1.1	6.1	0.9	5.6	0.8	6.0	0.9
8	6.4	0.7	6.8	1.1	6.0	1.0	6.4	1.1
9	6.0	0.9	5.5	0.8	4.5	0.9	4.3	0.8
10	5.8	0.7	5.0	0.9	5.0	0.8	4.5	0.9
11	5.3	0.3	5.4	0.7	4.7	0.9	5.5	0.8
12	6.0	0.9	5.7	0.8	6.0	0.7	5.6	0.6
13	5.8	0.7	4.8	0.7	5.5	0.5	6.0	1.0
14	6.5	0.8	6.0	0.8	5.5	0.9	5.6	0.8
15	5.0	0.6	5.7	0.7	6.0	0.7	5.0	0.6
16	5.3	0.7	4.6	0.6	5.7	0.9	5.5	0.8
17	4.5	0.9	5.0	0.9	5.2	0.8	5.0	0.9
18	4.6	0.8	5.2	0.9	6.0	0.9	5.6	0.8
19	6.0	0.7	6.0	0.9	5.0	0.8	6.0	0.7
20	4.5	0.9	5.0	0.9	5.2	0.7	5.5	0.9
21	6.0	0.8	5.5	0.8	6.0	0.9	5.5	0.8
22	6.0	0.9	6.0	0.7	6.4	0.8	6.0	0.7
23	6.5	0.7	6.4	0.8	6.0	0.6	6.5	0.9
24	7.0	0.8	6.5	0.7	7.0	0.8	5.2	0.9
25	6.0	0.9	7.0	1.0	6.1	0.9	6.5	0.9
26	7.0	0.8	7.5	0.8	7.4	1.0	7.0	1.0
27	6.4	0.7	6.5	0.6	4.6	0.8	6.0	0.9
28	6.7	0.8	6.4	0.9	7.0	0.9	7.0	0.9
29	6.5	0.9	5.6	0.8	5.5	1.0	6.5	0.8
30	5.0	0.7	5.5	0.9	6.0	0.8	4.5	0.8
31	5.5	0.6	7.0	0.7	5.6	0.6	5.0	0.7

DIAS ESPECIALES DE JULIO 1, 1957 - GMT

DIA 4 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 6.0 6.0 5.2 5.0 4.8 5.0 4.5 5.2 4.8 5.0 5.5 5.2 5.5 5.0 6.0 5.5 6.0 5.0 4.5 4.8 5.3 5.0 6.0  
 Amplitud : 1.0 0.9 0.8 1.0 0.9 0.7 0.8 0.6 0.9 0.7 1.0 1.8 1.1 0.8 1.0 0.7 0.6 0.8 1.0 0.8 0.6 0.7 0.9 1.0

DIA 4 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.2 5.0 4.8 5.0 5.3 4.5 5.0 5.3 4.8 5.0 5.5 5.2 5.0 4.5 6.0 5.0 4.8 5.5 5.0 6.0 5.5 5.3 5.0 6.0  
 Amplitud : 0.8 0.6 0.7 0.6 0.9 0.6 0.8 0.7 0.6 1.0 0.8 0.6 0.9 0.6 0.9 0.7 0.6 0.9 0.6 1.0 0.7 0.6 0.5 0.8

DIA 26 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 5.0 4.5 5.0 6.0 5.8 5.5 6.5 5.5 6.0 5.0 5.5 6.0 5.8 6.3 5.5 6.0 5.8 6.5 5.5 6.0 5.8 5.0 6.0  
 Amplitud : 0.9 0.5 0.7 0.6 1.0 0.8 0.9 1.0 0.8 0.6 0.8 0.5 0.9 0.7 0.9 0.6 0.8 0.7 0.9 0.6 1.0 0.7 0.8 0.6

DIA 26 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 5.2 4.5 5.0 5.5 5.3 4.8 5.0 5.2 5.0 4.5 5.1 4.5 5.0 6.0 4.8 5.0 5.5 5.3 4.5 5.0 4.8 5.2 5.5  
 Amplitud : 0.6 0.8 0.7 1.0 0.7 0.9 0.5 0.7 0.9 0.7 0.5 0.7 0.6 0.8 0.7 0.9 0.6 0.8 0.6 0.5 0.9 0.7 0.6 0.8

DIA 27 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.0 6.5 6.0 5.0 5.5 6.0 5.8 5.5 5.3 5.5 6.0 5.8 6.0 5.5 6.5 5.5 6.0 5.0 6.0 5.5 6.0 5.8 5.5 6.0  
 Amplitud : 1.0 0.8 0.6 0.7 0.9 0.6 0.8 0.7 0.9 0.6 1.0 0.8 0.6 0.7 0.9 0.8 0.6 0.7 0.9 0.7 0.6 1.0 0.7 0.6

DIA 27 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 5.0 4.8 5.2 4.5 5.5 6.0 5.0 4.8 5.0 5.5 6.0 4.5 6.2 5.5 5.0 6.0 5.3 5.0 4.8 6.0 5.0 6.0 5.5  
 Amplitud : 0.8 0.6 0.5 0.8 0.6 0.7 0.9 0.9 0.6 0.8 0.7 0.9 0.6 1.0 0.8 0.6 0.8 0.6 0.7 0.6 0.9 0.7 0.8 0.6

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MICROSISMOS - CHINCHINA

P = Período en segundos  
 A = Amplitud en micras  
 H = Hora

N - S

E - W

DIA	0 <sup>h</sup>		6 <sup>h</sup>		12 <sup>h</sup>		18 <sup>h</sup>		AGOSTO 1, 1957	0 <sup>h</sup>		6 <sup>h</sup>		12 <sup>h</sup>		18 <sup>h</sup>	
	P	A	P	A	P	A	P	A		P	A	P	A	P	A	P	A
1	4.5	0.9	4.6	0.8	5.1	0.9	5.0	0.6		6.0	0.7	4.5	0.8	5.0	0.6	5.1	0.7
2	4.6	0.7	5.8	0.6	4.5	0.6	4.7	0.8		4.5	0.6	5.0	0.7	4.5	0.8	4.7	0.6
3	4.3	0.8	4.5	0.9	4.3	0.8	4.5	0.6		4.6	0.5	5.0	0.6	5.2	0.9	5.0	0.8
4	5.0	1.0	5.2	0.8	5.0	0.9	4.6	1.0		4.6	0.5	5.0	0.6	5.3	0.8	5.5	0.7
5	5.5	0.9	5.0	0.9	4.5	1.0	6.0	0.9		5.6	0.6	5.0	0.5	4.3	0.6	5.4	0.6
6	5.4	0.8	6.0	1.0	7.0	1.1	7.0	1.0		5.2	0.6	5.5	0.7	5.5	0.8	5.5	0.8
7	5.8	1.0	6.0	0.9	5.8	0.8	6.5	1.0		6.0	0.7	6.2	0.9	6.0	0.7	6.5	0.6
8	7.0	1.1	7.2	1.0	6.5	0.9	7.0	0.9		6.0	1.5	6.0	0.7	7.0	0.8	7.0	0.9
9	7.5	1.2	7.0	1.1	7.5	1.0	7.1	1.1		5.0	0.8	7.0	0.6	6.5	0.8	5.5	0.8
10	6.4	1.0	6.3	0.9	7.0	0.8	6.2	1.0		6.0	0.7	7.0	0.9	7.0	0.6	7.6	0.7
11	7.0	0.9	5.5	1.0	7.5	1.1	7.4	0.9		7.0	1.0	7.8	0.8	6.5	0.7	4.5	0.6
12	7.4	1.1	6.5	0.8	6.0	1.0	5.5	1.0		6.0	0.7	6.0	0.7	7.0	0.8	7.1	0.9
13	6.4	1.0	5.4	0.9	5.2	0.9	5.0	0.8		6.5	0.6	6.2	0.6	7.5	1.0	5.0	0.7
14	6.5	0.8	6.3	0.8	4.5	0.7	6.0	0.9		5.5	1.5	5.0	0.7	6.0	0.7	4.5	0.8
15	7.0	0.9	4.5	0.7	5.5	1.0	6.5	1.0		5.0	0.7	5.2	0.8	4.5	0.5	5.5	0.7
16	5.2	0.7	6.5	1.0	7.0	0.9	7.0	0.8		5.5	0.6	6.5	0.9	5.5	0.9	6.0	0.6
17	6.0	0.8	6.0	0.9	6.2	0.7	6.8	0.8		7.0	0.8	6.7	0.7	7.5	0.8	4.0	0.5
18	7.0	0.9	6.5	0.8	6.0	0.7	6.0	0.7		5.5	0.7	6.0	0.7	5.0	0.6	4.5	0.7
19	5.8	0.6	5.0	0.7	6.2	0.8	5.7	0.8		5.2	0.8	4.5	0.5	5.0	0.7	5.0	0.6
20	6.0	1.0	5.2	0.6	6.0	0.9	6.0	0.9		5.0	0.6	6.5	0.7	5.2	0.8	4.5	0.7
21	7.0	0.7	6.0	0.8	4.5	0.7	6.4	0.7		5.0	0.7	4.0	0.6	5.0	0.6	5.5	0.6
22	6.5	0.8	6.0	0.9	6.5	0.9	5.2	0.8		5.2	0.8	4.5	0.5	4.3	0.5	5.0	0.8
23	4.5	0.6	5.5	0.7	5.2	0.6				4.5	0.6	5.2	0.6	5.0	0.7		
24							5.5	0.8								5.3	0.9
25	6.0	0.8	6.3	0.6	7.0	1.1	5.2	0.5		5.5	1.0	4.6	0.9	5.2	1.0	5.5	1.9
26	5.8	0.5	6.0	0.4	5.0	0.5	5.5	0.4		6.0	0.9	6.5	1.0	5.0	0.9	4.5	0.2
27	5.0	0.6	5.5	0.5	5.2	0.4	6.2	0.7		5.0	0.8	4.2	0.7	4.5	0.8	5.8	0.9
28	5.8	0.9	5.2	0.7	5.5	0.9	5.0	0.6		5.5	1.0	5.0	0.8	5.0	0.7	5.3	0.7
29	6.0	0.8	5.0	0.6	5.0	0.8	5.0	0.8		5.8	0.7	6.8	0.6	5.0	0.9	6.0	0.5
30	6.0	0.6	5.5	0.5	5.0	0.7	5.5	0.5		4.5	0.6	4.7	0.7	5.5	0.8	5.8	0.8
31	5.6	0.7	7.0	0.6	7.4	0.6				5.5	0.7	6.0	0.8	5.6	0.7		

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DIAS ESPECIALES DE AGOSTO 1.957 - GMT

DIA 25 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 6.8 5.5 5.0 7.0 5.0 5.5 6.0 5.0 4.5 5.5 6.0 5.5 6.5 6.0 5.8 5.2 6.0 5.5 5.2 6.5 6.0 5.5 6.0  
 Amplitud: 1.0 0.8 0.7 0.8 0.9 0.6 0.6 0.7 0.6 0.8 0.7 0.6 0.5 0.7 0.6 0.8 0.6 0.7 0.6 0.8 0.7 0.6 0.5 0.8

DIA 25 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 5.2 5.0 5.5 4.5 5.5 6.0 5.8 5.5 6.0 5.5 6.5 5.2 5.5 5.6 6.0 6.0 7.0 5.5 6.0 4.5 5.0 6.0 5.8  
 Amplitud: 0.8 0.7 1.0 0.8 0.9 0.7 0.8 1.0 0.9 0.8 0.7 0.8 0.7 0.9 0.8 0.7 0.9 0.8 1.0 0.8 0.7 0.9 0.8 1.0

DIA 26 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.5 5.0 5.0 5.5 6.0 5.6 5.0 5.7 5.4 5.5 6.0 5.5 5.0 5.2 4.8 5.6 6.0 5.0 5.2 5.5 4.5 5.5 5.7 5.5  
 Amplitud: 0.6 0.8 0.7 0.7 0.6 0.8 0.6 0.9 0.6 0.8 0.7 0.8 0.6 0.5 0.6 0.7 0.8 0.7 0.6 0.8 0.6 0.7 0.9 0.8

DIA 26 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 6.0 6.5 5.5 5.8 5.0 5.2 6.0 5.0 5.6 6.0 5.8 5.6 6.0 5.0 5.5 5.0 5.8 5.0 5.2 5.4 5.0 5.2 5.5  
 Amplitud: 0.9 1.0 0.8 0.9 1.0 0.8 0.9 0.7 0.9 0.8 1.0 0.7 0.9 0.8 1.0 0.8 0.9 0.7 0.9 0.8 0.7 0.9 1.0 0.9

MICROSISMOS - CHINCHINA

P = Periodo en segundos  
 A = Amplitud en micras  
 H = Hora

DIA	N - S				E - W			
	P <sup>0h</sup>	A	P <sup>6h</sup>	A	P <sup>12h</sup>	A	P <sup>18h</sup>	A
1							5.2	0.7
2	4.8	0.9	5.0	0.6	6.0	0.8	5.5	0.5
3	6.0	0.7	5.8	0.7	6.3	0.9	5.0	0.7
4	5.0	0.6	6.0	0.5	5.2	0.6	5.2	0.6
5	4.5	0.5	5.0	0.6	4.8	0.8	5.0	0.5
6	5.5	0.7	5.3	0.8	5.0	0.7	6.0	0.7
7	5.0	0.6	6.0	0.5	5.3	0.9	5.2	0.6
8	6.0	0.8	6.5	1.0	4.8	0.6	6.0	0.8
9	5.2	0.7	6.0	0.9	5.5	0.8	5.5	0.7
10	6.5	0.9	7.0	0.6	7.3	0.9	7.0	0.9
11	7.3	0.6	6.8	0.8	6.5	0.7	7.5	1.1
12	6.5	0.9	7.0	0.7	6.0	0.6	6.3	1.0
13	7.0	0.6	6.5	0.8	6.3	1.0	5.8	0.9
14	6.8	0.8	7.0	0.6	6.0	0.7	7.0	0.7
15	4.5	0.7	5.0	1.1	5.3	0.8	6.5	0.8
16	6.0	0.5	4.5	0.8	6.5	0.7	5.5	0.6
17	5.0	0.8	5.5	1.0	6.0	1.1	6.0	0.7
18	7.0	0.6	5.0	0.7	5.5	0.8	7.0	1.0
19	5.0	1.1	6.0	0.9	5.8	0.7	5.5	0.6
20	5.3	0.8	7.0	1.1	6.5	0.9	6.5	0.8
21	6.0	0.6	6.5	0.8	7.0	1.0	5.0	0.9
22	5.8	0.8	6.0	0.7	6.5	0.6	5.0	0.6
23	5.5	0.7	5.0	0.6	6.0	0.8	5.2	0.8
24	7.0	1.0	6.8	1.1	7.0	1.0	6.5	1.0
25	5.3	0.8	7.0	0.9	7.2	0.6	6.3	1.1
26	6.0	0.5	5.8	0.7	6.0	0.7	5.8	0.8
27	6.2	0.7	5.5	0.8	6.5	0.6	6.5	0.6
28	5.0	0.5	6.0	0.4	5.5	0.6	5.8	0.8
29							5.3	0.6
30	6.5	0.7	6.0	1.0	6.5	0.8	6.0	0.8

DIAS ESPECIALES DE SEPTIEMBRE 1. 957 - GMT

DIA 18 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 6.0 5.0 5.2 5.0 6.0 5.5 5.0 5.2 5.5 6.3 5.0 6.5 5.5 6.2 6.0 6.5 6.0 5.0 5.2 5.5 5.3 6.7 6.0  
 Amplitud: 0.2 0.9 0.7 0.8 0.9 0.8 0.7 0.9 0.8 0.6 0.9 0.7 1.0 0.8 0.9 0.7 1.0 0.8 0.8 0.6 0.9 0.7 0.9 0.8

DIA 18 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 5.4 6.0 5.5 5.5 5.3 5.0 4.5 6.5 5.0 6.0 5.0 5.2 4.8 5.6 5.0 5.2 5.0 5.5 5.0 4.5 6.0 5.4 5.0  
 Amplitud: 0.9 0.7 0.8 0.6 0.7 0.9 0.9 0.8 0.7 0.6 0.7 0.9 0.7 0.6 0.8 0.9 0.7 0.8 1.0 0.6 0.8 0.9 0.6 0.7

DIA 19 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 5.5 5.0 6.2 5.0 6.0 6.0 5.6 5.0 4.5 5.3 5.0 4.8 5.0 5.2 5.0 5.5 6.0 5.0 6.0 5.5 5.7 6.0 5.8  
 Amplitud: 1.0 0.8 0.6 1.0 0.8 0.9 1.0 0.8 0.9 0.7 0.6 1.0 0.8 0.7 0.9 0.7 1.0 0.9 0.7 0.8 0.9 0.7 0.8 0.9

DIA 19 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 5.0 5.5 5.2 4.5 5.6 4.8 5.0 6.0 5.8 6.0 5.0 6.0 5.0 5.2 5.2 5.4 6.0 5.5 5.0 5.8 5.0 6.0 5.5  
 Amplitud: 1.0 0.8 0.6 0.7 0.8 0.9 0.6 1.0 0.9 0.7 0.9 0.8 0.7 0.9 0.6 0.8 0.9 0.7 0.6 0.8 0.7 0.9 0.7 0.6

DIA 20 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.0 5.5 5.7 5.0 4.8 5.0 6.5 6.0 7.0 5.0 6.5 5.5 5.7 6.5 5.0 7.0 5.2 6.0 6.0 5.8 7.0 6.5 5.0 5.8  
 Amplitud: 1.0 0.8 0.9 0.7 0.8 0.7 1.0 0.8 0.9 0.7 0.9 0.9 1.1 0.9 0.7 1.0 0.8 0.9 0.7 0.8 1.0 0.8 0.9 0.8

DIA 20 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 5.0 5.2 5.5 5.0 5.3 5.5 5.8 5.6 5.2 6.5 6.0 5.0 5.0 5.5 5.0 5.8 6.5 6.4 5.5 6.5 5.2 6.0 5.3  
 Amplitud: 0.6 0.8 0.7 0.9 0.7 0.8 0.6 0.8 0.7 0.9 0.7 0.8 0.6 0.7 0.5 0.7 0.6 0.7 0.5 0.7 0.7 0.6 0.8 0.7

DIA 21 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 7.4 6.0 5.0 5.6 5.0 5.5 5.4 6.0 7.0 6.0 7.2 6.0 5.5 5.7 6.5 5.4 6.5 5.8 6.0 5.8 5.0 6.0 5.8  
 Amplitud: 0.9 1.0 0.8 0.7 0.8 0.7 0.9 0.8 0.7 1.0 1.1 0.8 0.9 0.8 0.8 1.0 0.7 0.9 1.0 0.8 0.9 2.3 0.7 0.9

DIA 21 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 5.0 5.0 5.4 6.0 4.5 5.5 5.0 5.2 5.5 5.6 5.4 6.0 5.8 4.8 6.0 5.7 6.5 6.0 5.5 5.2 6.0 5.5 5.4  
 Amplitud: 0.6 0.5 0.6 0.7 0.5 0.8 0.6 0.5 0.7 0.6 0.8 0.6 0.7 0.5 0.7 0.7 0.6 0.8 0.6 0.7 0.5 0.7 0.6 0.5

DIA 22 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 6.0 7.0 6.0 5.8 7.0 5.5 5.3 5.0 5.5 6.4 7.0 6.5 7.0 5.0 5.8 6.5 7.0 5.3 5.0 6.0 5.8 6.3 6.5  
 Amplitud: 0.8 0.7 0.9 0.8 0.6 1.0 0.8 0.6 0.7 1.0 0.8 0.7 0.9 1.0 0.8 0.7 0.8 0.9 0.6 0.8 0.7 0.9 0.7 0.6

DIA 22 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 5.2 5.8 5.0 6.5 5.0 5.0 5.8 5.5 5.4 5.6 6.0 5.0 5.2 6.0 6.4 5.0 5.5 6.0 5.8 5.0 5.2 5.8 6.0  
 Amplitud: 0.5 0.7 0.6 0.5 0.7 0.6 0.4 0.6 0.5 0.6 0.7 0.7 0.5 0.5 0.7 0.6 0.6 0.5 0.7 0.6 0.7 0.6 0.5 0.7

DIA 23 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 5.5 5.8 7.0 5.0 6.0 6.5 6.0 5.0 5.0 5.5 5.0 5.5 5.0 6.0 6.2 5.5 5.8 6.0 5.8 5.5 5.0 4.8 6.5  
 Amplitud: 0.9 0.7 1.0 0.8 0.7 0.9 0.6 0.8 0.6 0.5 0.7 0.6 0.7 0.8 0.6 0.8 0.6 0.8 0.6 0.7 0.8 0.6 0.7 0.5 0.7

DIA 23 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.5 5.0 6.0 6.2 5.5 6.0 5.0 5.0 5.5 5.8 6.0 5.0 5.2 6.0 5.2 6.0 5.5 5.0 5.0 5.5 5.0 4.5 5.0 5.2  
 Amplitud: 0.6 0.7 0.8 0.6 0.7 0.8 0.6 0.7 0.9 0.8 0.9 0.6 0.8 0.8 0.6 0.8 0.7 1.0 1.1 0.8 0.6 0.9 0.6 0.9

DIA 24 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 5.0 5.2 5.0 5.7 5.9 6.0 5.5 5.0 5.2 5.5 6.4 6.0 5.0 4.8 6.0 5.8 5.5 6.5 5.5 6.0 5.2 6.0 5.0  
 Amplitud: 0.7 0.8 0.6 0.7 0.6 1.0 0.9 1.1 0.8 1.1 0.9 0.8 0.9 1.0 0.7 0.9 0.7 1.0 1.8 1.0 0.8 0.7 1.1 0.8

DIA 24 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 4.8 5.5 5.5 5.0 5.6 5.0 6.0 4.5 5.0 5.5 5.2 6.5 6.0 5.5 5.7 5.0 5.8 5.0 5.0 4.8 5.0 5.2 5.5  
 Amplitud: 0.8 0.6 0.7 0.6 0.8 0.9 0.6 0.7 0.8 0.6 0.9 0.6 0.7 0.8 0.7 0.9 0.7 0.8 0.6 0.8 0.6 0.7 0.8 0.7

DIAS ESPECIALES DE SEPTIEMBRE 1. 957 - GMT.

(Continuación)

DIA 25 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 6.0 6.5 6.0 6.5 6.4 6.0 5.5 6.5 5.5 6.0 7.0 6.0 5.8 5.0 6.0 5.0 5.2 6.5 6.0 4.5 5.5 6.4 7.0  
 Amplitud: 1.0 0.9 1.1 1.0 1.1 1.0 0.9 0.9 0.8 0.7 0.9 1.0 0.8 0.7 0.9 0.8 0.9 0.8 1.0 0.9 0.8 0.7 0.9 1.0

DIA 25 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.5 5.0 5.6 5.4 5.0 6.0 5.5 5.5 6.0 5.5 5.6 6.0 5.8 6.0 5.0 5.2 4.5 5.0 5.2 5.5 5.6 5.0 5.2 5.5  
 Amplitud: 0.8 0.6 0.7 0.9 0.7 0.8 0.6 0.8 1.0 0.9 0.8 0.9 0.7 0.8 0.7 0.9 0.6 0.7 0.9 0.8 0.8 0.6 0.9 0.8

DIA 26 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 6.5 5.5 6.5 6.0 5.0 5.5 5.2 6.0 5.0 5.6 6.5 6.0 5.8 6.5 5.5 5.0 6.0 6.0 5.0 4.5 6.5 5.5 5.8  
 Amplitud: 0.7 0.9 0.8 0.9 0.7 0.9 0.8 0.9 1.1 1.0 0.8 0.7 0.8 0.6 0.8 0.7 0.5 0.6 0.7 0.6 0.7 0.6 0.8 0.7

DIA 26 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.2 5.0 4.8 5.0 5.2 5.0 6.0 6.0 5.0 5.5 4.8 6.4 4.5 5.5 5.0 5.2 5.5 6.0 6.5 6.0 5.5 6.0 5.0 5.3  
 Amplitud: 0.8 0.7 0.9 0.8 1.0 0.8 0.7 1.0 0.7 0.9 0.8 0.9 0.7 0.9 0.6 0.8 0.7 0.8 0.6 0.8 0.7 0.9 0.8 0.9

DIA 27 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 7.0 5.5 5.5 5.0 5.5 5.4 7.0 6.0 5.0 6.3 5.0 5.5 6.0 5.6 6.0 6.0 6.5 5.0 5.2 5.5 6.0 5.8 5.5  
 Amplitud: 0.5 0.7 0.6 0.5 0.7 0.8 0.7 0.6 0.5 0.7 0.8 0.7 0.6 0.5 0.7 0.6 0.8 0.7 0.7 0.5 0.7 0.6 0.7 0.5

DIA 27 - E - W

Hora : 1 2 3 4 5  
 Periodo : 6.5 6.0 5.8 5.0 5.2  
 Amplitud: 0.8 0.6 0.9 0.7 0.6

DIA 30 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 6.5 5.2 6.0 5.0 6.0 6.0 5.8 5.5 6.5 5.0 5.8 6.0 5.7 5.5 6.0 6.5 5.0 5.0 7.0  
 Amplitud: 0.8 0.6 0.7 0.5 1.0 0.9 0.8 0.7 0.9 0.9 0.7 1.0 0.9 0.7 0.8 0.9 0.7 0.8 0.9

DIA 30 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 5.0 5.2 5.0 5.2 6.0 5.5 5.0 6.0 5.0 6.3 5.5 6.0 5.5 6.0 6.3 5.0 6.3 5.5 5.4 5.0 4.5 5.5  
 Amplitud: 0.7 0.6 0.8 0.6 0.8 0.7 0.9 0.7 0.8 0.9 0.7 0.8 0.6 0.8 0.7 0.8 0.7 0.6 0.8 0.7 0.6 0.8

MICROSISMOS - CHINCHINA

P = Período en segundos  
A = Amplitud en micras  
H = Hora

N - S

E - W

DIA	0 <sup>h</sup>		6 <sup>h</sup>		12 <sup>h</sup>		18 <sup>h</sup>		OCTUBRE 1. 957	0 <sup>h</sup>		6 <sup>h</sup>		12 <sup>h</sup>		18 <sup>h</sup>	
	P	A	P	A	P	A	P	A		P	A	P	A	P	A	P	A
1	6.5	0.7	5.5	0.8	7.0	0.6	5.0	0.7		5.0	0.8	6.0	0.9	6.5	0.6	5.5	0.7
2	7.0	0.6	5.0	0.9	6.0	0.7	5.3	0.8		7.0	0.6	5.5	0.8	6.0	0.7	5.0	0.8
3	5.5	0.5	4.8	0.6	5.0	0.5	4.8	0.8		5.0	0.7						
4	6.0	0.8															
5																	
6																	
7																	
8																	
9																5.0	0.7
10	5.0	0.6	6.0	0.5	5.0	0.7	5.3	0.5		5.5	0.8	5.0	0.6	6.5	0.8	6.0	0.6
11	5.5	0.7	5.0	0.6	6.0	0.5	5.0	0.6		5.8	0.7	5.3	0.8	6.2	0.9	5.5	0.9
12	5.2	0.5	6.0	0.7	5.0	0.6	6.0	0.7		5.0	0.6	5.5	0.7	5.5	0.7	5.3	0.7
13	5.0	0.6	5.2	0.5	5.5	0.7	5.5	0.5		6.0	0.8	5.0	0.6	5.7	0.8	5.0	0.9
14	5.3	0.8	6.0	0.7	5.8	0.9	5.5	0.8		6.5	0.6	6.3	0.9	6.0	1.0	6.0	0.7
15	6.0	0.7	5.5	0.9	5.0	0.7	5.5	0.6		5.5	0.7	5.0	0.6	5.8	0.7	5.5	0.6
16	4.8	0.6	5.0	0.7	5.5	0.6	6.0	0.8		6.0	0.8	5.5	0.9	6.0	0.8	5.7	0.8
17	5.0	0.9	5.3	0.6	6.0	0.8	5.5	0.7		5.0	0.6	6.0	0.7	5.5	0.6	5.4	0.6
18	5.5	0.6	5.0	0.8	4.8	0.7	6.0	0.6		5.5	0.8	6.5	0.6	5.0	0.7	6.0	0.7
19	6.0	0.8	4.8	0.7	5.0	0.9	6.5	0.8		5.8	0.6	5.0	0.8	5.3	0.9	5.0	0.8
20	5.8	0.7	5.5	0.6	4.8	0.6	6.0	0.7		5.7	0.7	5.5	0.7	5.0	0.6	6.0	0.6
21	5.5	0.9	5.3	0.8	5.0	0.7	5.5	0.6		5.0	0.9	4.8	0.6	5.3	0.8	5.5	0.7
22	5.0	0.6	6.0	0.7	5.5	0.8	6.0	0.8		5.3	0.6	6.0	0.8	5.5	0.7	5.8	0.9
23	6.3	0.8	5.5	0.6	5.2	0.7	5.5	0.7		4.8	0.8	5.0	0.6	5.3	0.9	5.5	0.8
24	5.2	0.6	6.5	0.8	6.0	0.5	4.8	0.6		5.5	0.7	5.0	0.5	5.0	0.8	3.2	0.9
25	5.5	0.5	5.0	0.7	5.5	0.8	5.0	0.8		3.5	0.8	4.5	0.7	4.8	0.6	6.0	0.6
26	4.5	0.6	5.2	0.9	5.0	0.7	5.5	0.7		5.5	0.6	5.0	0.8	4.5	0.5	5.0	0.8
27	5.0	0.8	5.5	0.6	5.3	0.9	5.0	0.6		5.5	0.7	5.5	0.6	5.5	0.8	5.3	0.7
28	5.5	0.7	6.0	0.8	5.0	0.6	4.8	0.8		5.7	0.6	5.5	0.8	5.3	0.7	5.0	0.6
29	5.5	0.8	5.0	0.7	6.0	0.8	6.5	0.7		5.5	0.8	5.0	0.7	6.0	0.6	4.5	0.8
30	5.5	0.6	6.0	0.8	5.2	0.6	7.0	0.8		6.0	0.6	5.2	0.6	5.5	0.8	5.5	0.7
31	6.0	0.7	5.8	0.6	6.0	0.8	6.0	0.6		5.0	0.7	6.0	0.8	5.0	0.6	6.0	0.9

DIA 23 - N - S  
Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
Periodo : 5.0 5.2 4.5 5.0 5.2 5.0 6.0 5.5 5.0 5.2 5.5 5.2 5.0 5.5 5.5 5.7 5.2 5.0 6.0 5.5 6.0 5.4 6.0 5.8 6.0 6.0 5.0 5.2  
Amplitud : 0.6 0.7 0.6 0.8 0.6 0.6 0.8 0.6 0.7 0.8 0.7 0.8 0.6 0.7 0.5 0.7 0.6 0.7 0.8 0.6 0.7 0.5 0.6 0.7 0.6 0.5 0.8 0.7 0.6 0.8 0.7

DIA 24 - N - S  
Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
Periodo : 5.0 5.2 5.5 6.0 5.5 5.0 5.5 5.5 5.0 4.8 5.6 4.5 5.0 5.2 5.5 5.0 5.2 5.0 5.4 5.5 6.0 5.5 5.4 5.0  
Amplitud : 0.7 0.6 0.5 0.7 0.8 0.6 0.7 0.6 0.8 0.6 0.8 0.6 0.7 0.5 0.7 0.6 0.8 0.6 0.8 0.7 0.8 0.6 0.7 0.6 0.8 0.6 0.7 0.6

DIA 24 - E - W  
Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
Periodo : 5.5 5.5 5.3 5.5 5.8 5.5 6.0 6.4 5.8 5.0 5.2 6.0 5.5 5.0 5.2 5.5 5.8 5.5 5.0 5.5 4.8 5.5 5.0 5.4  
Amplitud : 0.5 0.7 0.6 0.7 0.8 0.6 0.8 0.9 0.7 0.8 0.6 0.7 0.8 0.6 0.6 0.7 0.6 0.8 0.6 0.7 0.6 0.8 0.6 0.7

DIAS ESPECIALES DE OCTUBRE 1. 957 - GMT.

DIA 22 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
Periodo : 5.5 5.3 4.8 5.0 4.8 5.5 5.0 4.8 5.2 5.0 5.5 6.0 5.0 5.5 5.7 6.0 5.0 5.2 5.5 4.8 6.0 5.5 5.8 5.5  
Amplitud : 0.6 0.8 0.7 0.6 0.9 0.6 0.8 0.7 0.6 0.7 0.5 0.8 0.6 0.9 0.7 0.8 0.6 0.7 0.7 0.8 0.6 0.8 0.7 0.6

DIA 22 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
Periodo : 5.0 5.2 4.5 5.0 5.2 5.0 6.0 5.5 5.0 5.2 5.5 5.2 5.0 5.5 5.5 5.7 5.2 5.0 6.0 5.5 6.0 5.4 6.0 5.8  
Amplitud : 0.6 0.7 0.6 0.8 0.6 0.6 0.8 0.6 0.7 0.8 0.7 0.8 0.6 0.7 0.5 0.7 0.6 0.7 0.8 0.6 0.7 0.6 0.7 0.5

DIA 23 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
Periodo : 6.0 5.5 5.3 5.0 6.5 4.5 6.4 5.5 5.7 5.0 6.0 5.5 5.0 5.0 6.0 5.5 5.4 5.0 6.0 5.8 6.0 6.0 5.0 5.2  
Amplitud : 0.7 0.6 0.7 0.8 0.6 0.8 0.6 0.7 0.6 0.7 0.8 0.6 0.6 0.7 0.5 0.6 0.7 0.6 0.5 0.8 0.7 0.6 0.8 0.7

DIA 23 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
Periodo : 5.0 6.0 5.8 6.0 5.0 5.2 6.0 5.0 6.2 5.8 6.4 5.0 6.5 5.3 5.0 5.2 5.4 5.5 5.0 4.8 5.6 5.0 5.5 5.0  
Amplitud : 0.6 0.5 0.6 0.8 0.7 0.6 0.8 0.6 0.7 0.8 1.0 0.6 0.7 0.5 0.6 0.8 0.5 0.7 0.6 0.7 0.8 0.6 0.7 0.6

DIA 24 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
Periodo : 5.0 5.2 5.5 6.0 5.5 5.0 5.5 5.5 5.0 4.8 5.6 4.5 5.0 5.2 5.5 5.0 5.2 5.0 5.4 5.5 6.0 5.5 5.4 5.0  
Amplitud : 0.7 0.6 0.5 0.7 0.8 0.6 0.7 0.6 0.8 0.6 0.8 0.6 0.7 0.5 0.7 0.6 0.8 0.6 0.8 0.7 0.8 0.6 0.7 0.6

DIA 24 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
Periodo : 5.5 5.5 5.3 5.5 5.8 5.5 6.0 6.4 5.8 5.0 5.2 6.0 5.5 5.0 5.2 5.5 5.8 5.5 5.0 5.5 4.8 5.5 5.0 5.4  
Amplitud : 0.5 0.7 0.6 0.7 0.8 0.6 0.8 0.9 0.7 0.8 0.6 0.7 0.8 0.6 0.6 0.7 0.6 0.8 0.6 0.7 0.6 0.8 0.6 0.7

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MICROSISMOS - CHINCHINA

P = Período en segundos  
A = Amplitud en micras  
H = Hora

DIA	N - S				E - W			
	P <sup>0h</sup> A	P <sup>6h</sup> A	P <sup>12h</sup> A	P <sup>18h</sup> A	P <sup>0h</sup> A	P <sup>6h</sup> A	P <sup>12h</sup> A	P <sup>18h</sup> A
NOVIEMBRE 1.957								
1								
2								
3				5.0 1.0				6.0 0.8
4	6.0 1.1	5.5 1.0	5.0 1.0	6.0 0.8	5.0 0.9	5.5 0.7	6.0 1.0	5.0 1.0
5	5.5 0.7	6.5 0.6	6.0 0.8	5.0 0.6	5.5 0.8	5.2 0.9	5.0 0.8	6.0 0.7
6	5.3 0.8	5.5 0.8	6.2 0.7	6.5 0.7	5.2 0.6	5.0 0.8	6.5 1.0	5.5 0.8
7	5.0 0.6	5.0 0.7	6.0 0.9	6.0 0.9	5.0 0.9	5.2 0.7	5.5 0.8	5.0 0.6
8	5.5 0.7	5.2 0.9	6.5 0.6	5.8 0.6	6.0 0.7	5.5 0.6	6.0 0.7	5.2 0.7
9	5.7 0.8	5.5 0.6	5.0 0.8	5.0 0.8	5.8 0.6	5.7 0.8	6.5 0.9	5.0 0.9
10	5.5 0.6	6.0 0.8	6.0 0.7	6.5 0.7	5.0 0.8	6.0 0.7	5.5 0.8	5.3 0.7
11	5.0 0.7	7.0 0.6	6.5 0.5	6.0 0.6	5.8 0.7	5.5 0.8	6.0 0.6	6.5 0.8
12	6.0 0.8	5.8 0.8	6.0 0.7	5.5 0.8	5.5 0.6	5.3 0.7	5.0 0.7	5.5 1.0
13	5.2 0.6	6.5 0.7	5.6 0.8	5.0 0.7	6.0 0.8	5.0 0.9	5.3 0.8	5.0 0.8
14	5.0 0.7	5.5 0.6	5.6 0.6	5.3 0.6	5.3 0.7	5.5 0.8	5.0 0.6	5.4 0.6
15	6.0 0.8	5.0 0.8	5.2 0.7	5.0 0.8	5.0 1.0	5.3 0.6	6.0 0.7	
16	5.2 0.6	5.5 0.7	6.0 0.8	5.5 0.7				
17	5.0 0.7	6.0 0.9	6.3 0.7				5.0 0.8	
18				5.0 0.6	6.0 0.7	5.8 0.6	6.0 0.8	6.0 0.6
19	6.0 0.8	5.8 0.8	5.0 0.6	6.0 0.8	5.8 0.9	6.5 0.7	5.5 0.6	5.5 0.7
20	5.0 0.8	6.0 0.6	5.3 0.8	5.5 0.7	6.0 0.6	5.0 0.8	6.0 0.7	5.0 0.8
21	5.3 0.6	5.0 0.8	5.5 0.7	5.0 0.6	5.8 0.7	5.2 0.6	5.0 0.8	5.3 0.6
22	5.0 0.7	4.8 0.6	5.0 0.5	6.0 0.8	5.5 0.8	5.4 0.7	6.0 0.6	5.5 0.7
23	6.0 0.6	6.5 0.7	4.8 0.8	5.0 0.6	5.2 0.7	6.5 0.9	5.8 0.8	5.0 0.8
24	5.0 0.7	6.0 0.8	6.5 0.6	6.0 0.7	5.0 0.6	6.0 0.6	6.5 0.7	6.3 0.6
25	5.3 0.8	5.5 0.6	5.0 0.7	5.5 0.8	5.2 0.7	5.0 0.6	5.0 0.7	5.0 0.6
26	4.5 0.6	5.0 0.7	5.5 0.8	5.5 0.6	4.8 0.6	4.5 0.8	5.0 0.7	5.3 0.8
27	6.0 0.7	5.2 0.8	6.0 0.6	5.3 0.7	6.0 0.7	5.0 0.6	5.3 0.8	5.0 0.6
28	5.0 0.8	5.5 0.5	5.8 0.8	5.5 0.8	5.5 0.8	5.3 0.7	5.0 0.6	5.0 0.7
29	5.3 0.7	5.0 0.6	5.6 0.7	5.0 0.6	4.5 0.6	6.0 0.8	5.2 0.7	5.5 0.8
30	5.0 0.6	5.5 0.7	5.0 0.6	4.8 0.7	6.0 0.7	5.5 0.7	5.0 0.6	6.0 0.6

DIA 14 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 5.0 6.0 5.5 5.0 5.2 5.0 5.6 5.4 5.0 5.2 5.0 5.0 5.2 6.0 5.3 5.0 5.4 5.0 5.0 5.4 5.0 5.0 6.0  
 Amplitud: 0.5 0.6 0.7 0.6 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.8 0.7 0.6 0.7 0.8 0.6 0.7 0.6 0.7 0.8 0.6

DIA 14 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 5.0 5.2 4.8 5.5 5.0 5.2 5.0 5.5 5.0 5.0 4.8 5.5 5.0 6.0 5.3 6.5 5.5 5.0 5.0 6.0 6.5 5.5 5.0 5.0  
 Amplitud: 0.7 0.8 0.7 0.6 0.7 0.5 0.6 0.7 0.5 0.7 0.6 0.8 0.6 0.6 0.7 0.8 0.6 0.5 0.7 0.6 0.7 0.6 0.6 0.8

DIA 21 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 5.0 5.2 4.8 5.5 5.0 5.2 5.0 5.5 5.0 5.0 4.8 5.5 5.0 6.0 5.3 6.5 5.5 5.0 5.0 6.0 6.5 5.5 5.0 5.0  
 Amplitud: 0.5 0.6 0.5 0.6 0.7 0.5 0.6 0.7 0.5 0.7 0.6 0.8 0.6 0.6 0.7 0.8 0.6 0.5 0.7 0.6 0.7 0.6 0.7 0.6

DIA 21 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 6.0 7.0 5.0 5.2 5.5 5.0 5.0 6.0 4.8 5.5 5.4 5.0 6.0 5.0 5.3 5.5 6.0 5.0 4.8 5.0 5.5 5.0 4.8 5.0  
 Amplitud: 0.7 0.8 0.7 0.6 0.7 0.6 0.8 0.6 0.5 0.6 0.8 0.7 0.7 0.6 0.7 0.8 0.7 0.6 0.7 0.8 0.6 0.7 0.7 0.6

DIA 22 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 5.0 5.0 5.2 4.8 5.0 5.0 5.0 4.8 5.0 5.5 5.0 5.5 5.0 4.8 5.5 5.5 5.0 5.5 5.5 5.0 5.2 5.0 5.0 5.5  
 Amplitud: 0.5 0.6 0.7 0.6 0.8 0.6 0.5 0.7 0.6 0.7 0.6 0.5 0.7 0.6 0.7 0.8 0.6 0.7 0.8 0.6 0.5 0.7 0.6 0.6

DIA 22 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 5.0 5.5 5.2 5.0 4.8 5.0 5.2 6.0 5.0 5.5 5.0 5.5 5.0 5.2 5.5 6.5 5.0 5.2 5.5 5.2 6.0 5.0 4.8 5.5  
 Amplitud: 0.8 0.7 0.6 0.7 0.6 0.8 0.6 0.8 0.6 0.7 0.6 0.7 0.8 0.6 0.7 0.8 0.6 0.7 0.8 0.6 0.7 0.6 0.8 0.6



DIAS ESPECIALES DE DICIEMBRE 1.957 - GMT.

(Continuación)

DIA 19 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 5.0 5.0 4.5 4.5 4.0 4.5 4.5 4.0 5.0 5.0 4.5 4.5 5.5 5.0 5.0 5.5 5.5 5.0 5.0 4.0  
 Amplitud: 0.2 0.7 0.5 0.5 0.6 0.5 0.5 0.7 0.6 0.7 0.7 0.6 0.6 0.6 0.6 0.5 0.5 0.5 0.6 0.3

DIA 19 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 5.0 5.0 5.5 5.0 5.5 4.0 5.5 5.5 4.5 6.0 5.5 5.0 5.0 5.0 5.5 6.0 5.0 5.0 4.0 5.5 4.5 4.5 6.0 6.0  
 Amplitud: 0.2 0.7 0.6 0.7 0.6 0.6 0.7 0.5 0.6 0.6 0.5 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.7 0.6 0.6 0.7 0.6

DIA 20 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 6.0 5.5 4.0 5.0 6.0 4.5 6.0 6.0 5.0 5.0 6.0 4.5 5.0 5.0 5.5 5.0 5.0 4.5 5.0 4.5 5.0 4.0  
 Amplitud: 0.3 0.4 0.3 0.5 0.4 0.3 0.4 0.4 0.5 0.5 0.3 0.4 0.4 0.4 0.3 0.3 0.4 0.3 0.3 0.4 0.3 0.4 0.3

DIA 20 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 4.5 5.5 6.0 5.5 5.5 4.5 6.0 5.0 5.0 5.5 6.0 6.0 6.0 5.5 5.0 4.5 5.0 4.5 4.5 4.5  
 Amplitud: 0.4 0.7 0.6 0.5 0.5 0.7 0.7 0.6 0.6 0.7 0.6 0.8 0.7 0.6 0.6 0.7 0.5 0.7 0.8 0.5

DIA 21 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 5.5 4.0 5.0 4.0 6.0 5.0 5.0 4.0 4.0 4.5 4.5 4.0 4.5  
 Amplitud: 0.4 0.2 0.3 0.2 0.2 0.3 0.3 0.3 0.3 0.3 0.4 0.2 0.2

DIA 21 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 5.5 5.0 5.0 4.5 4.5 5.0 4.5 5.0 5.0 5.0 4.5 5.0 5.0 5.0 4.5 5.0 6.0 5.0  
 Amplitud: 0.9 0.3 0.4 0.4 0.4 0.3 0.5 0.6 0.5 0.3 0.6 0.4 0.3 0.3 0.2 0.5 0.3 0.4 0.2

DIA 22 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 5.5 4.5 5.0 4.0 4.5 4.0 4.0 4.5 4.5 5.5 5.0 4.5 4.5 4.5 5.0  
 Amplitud: 0.3 0.3 0.2 0.2 0.5 0.2 0.3 0.3 0.2 0.3 0.4 0.5 0.4 0.3 0.2

DIA 22 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 6.0 5.0 6.5 5.5 6.0 5.5 4.5 4.0 4.0 5.5 6.0 5.5 4.0 4.0 5.0 5.0 4.5 4.5 5.0 5.0 5.0  
 Amplitud: 0.4 0.2 0.2 0.5 0.5 0.4 0.4 0.6 0.4 0.6 0.7 0.6 0.5 0.4 0.6 0.6 0.3 0.3 0.4 0.5 0.4

Boletín Sísmico

MICROSISMOS - GALERAZAMBA

P = Período en segundos  
 A = Amplitud en micras  
 H = Hora

DIA	N - S				E - W			
	P <sup>0h</sup>	A	P <sup>6h</sup>	A	P <sup>12h</sup>	A	P <sup>18h</sup>	A
1	4.0	1.5	4.5	1.4	4.8	1.4	4.8	2.8
2	4.0	1.2	4.0	1.5	5.0	2.3	4.8	2.0
3	5.0	1.3	5.0	1.6	4.8	2.0	4.8	1.2
4	4.0	1.7	4.0	1.5	4.8	1.9	4.5	1.3
5	4.0	0.8	4.8	1.5	4.8	0.8	4.8	1.2
6	4.0	1.9	4.5	1.2	4.0	1.6	4.8	1.2
7	4.8	2.2	5.0	2.5	4.5	1.6	4.1	1.5
8	4.5	1.2	4.5	1.6	4.0	1.7	4.0	1.8
9	4.0	1.5	4.5	1.2	4.0	2.5	4.0	1.5
10	5.0	1.5	4.5	2.2	5.0	1.7	4.5	1.8
11	4.5	1.7	4.0	1.2	4.0	1.5	4.0	1.7
12	4.5	1.0	4.0	1.1	3.5	1.0	3.5	1.0
13	3.5	0.9	3.5	0.6	4.5	0.9	4.0	1.0
14	3.0	1.3	4.8	0.8	3.5	1.5		
15	4.5	1.0	3.5	1.0	4.0	1.5	4.0	1.5
16	4.5	1.0	4.5	2.0	4.5	1.5	4.0	1.5
17	4.0	1.0	5.0	1.5	5.0	1.8	4.5	1.2
18	4.0	0.8	4.0	1.2	4.0	1.5		
19	4.0	1.2	4.0	0.8	4.0	1.7	4.5	1.5
20	4.5	2.5	4.5	1.5	4.0	1.5	4.0	1.5
21	4.5	1.0	4.5	1.5	5.0	2.5	4.5	1.0
22	4.0	1.0	4.5	1.5	4.0	1.5	4.5	1.2
23	4.0	0.7	4.5	0.5	4.0	0.7	4.5	0.5
24	4.0	1.8	4.0	1.0	4.0	1.3	4.0	1.2
25	4.0	1.5	4.0	1.5	4.5	1.7	4.0	2.0
26	4.0	1.8	4.5	1.3	4.5	1.5	4.0	1.5
27	4.5	1.6	4.0	1.0	4.0	1.5	3.5	0.5
28	4.0	0.6	4.0	0.6	4.0	0.7		
29	4.0	0.8	4.5	0.9	4.0	0.9		
30	4.0	1.0	4.0	1.0	4.5	1.7	4.0	1.5
31	4.5	1.0	4.5	1.5	4.5	1.0	4.0	1.0

DIA 4 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.0 5.0 4.5 4.5 4.0 4.5 4.0 4.5 4.5 4.5 4.5 4.0 4.5 4.5 4.0 4.0 4.5 4.5 4.0 4.0 4.5 4.4 4.5  
 Amplitud: 2.5 1.5 2.0 1.5 1.2 1.5 1.4 2.0 1.5 1.0 1.0 1.0 1.2 1.5 1.5 1.0 0.8 0.9 1.3 1.4 0.9 1.2 1.5 1.5

DIA 4 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.5 4.0 4.5 4.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.5 4.5  
 Amplitud: 1.5 2.0 1.5 1.2 1.5 1.2 1.3 1.2 1.5 1.5 1.6 1.5 1.0 1.5 1.0 1.5 1.0 1.5 1.5 1.5 2.0 1.3

DIA 26 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.5 4.0 4.5 4.0 4.0 4.5 4.0 4.0 4.0 4.0 4.0 4.5 4.0  
 Amplitud: 1.2 1.5 1.2 1.5 0.9 0.9 1.0 1.2 1.5 0.9 1.4 1.2 1.3 1.2 1.5 1.0 1.0 2.0 1.5 1.2 1.5 1.5 1.5

DIA 26 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.7 4.5 4.5 4.5 4.5 4.0 4.0 4.0 5.0 4.0 4.5 4.5 4.5 4.0 4.5 4.5 4.0 3.5 4.5 5.0 4.0 4.5 4.5 4.5  
 Amplitud: 1.5 2.0 1.5 1.5 1.6 1.5 1.5 1.3 1.4 1.6 1.7 1.5 2.0 1.6 1.4 1.5 1.4 1.5 1.6 1.0 2.0 1.5 2.0

DIA 27 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.0 4.0 4.5 4.0 4.0 4.0 4.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.5 4.0 4.0 4.0 4.0 4.0 4.0  
 Amplitud: 1.0 1.5 1.5 1.2 1.0 1.0 1.0 0.9 1.0 0.9 0.8 1.0 0.9 0.9 0.6 0.8 1.0 0.9 0.6 0.9 0.8 0.9

DIA 27 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.5 4.5 4.0 4.5 4.0 4.5 4.0 4.0 4.0 4.5 4.0 4.0 4.5 4.0 4.5 4.5 4.5 4.0 4.0 4.0 4.0 4.0  
 Amplitud: 2.0 2.0 2.0 1.5 1.7 1.5 1.2 1.8 1.0 1.5 1.0 1.6 1.2 1.2 1.4 1.4 1.5 1.2 1.2 1.5 1.5 1.2

*[Faint, illegible data table for July 1, 1957]*

MICROSISMOS - GALERAZAMBA

P = Periodo en segundos  
 A = Amplitud en micras  
 H = Hora

DIA	N - S				E - W			
	P <sup>0h</sup>	A	P <sup>6h</sup>	A	P <sup>12h</sup>	A	P <sup>18h</sup>	A
1	4.5	1.2	4.5	1.5	4.5	1.5	4.0	1.0
2	5.0	2.0	4.5	1.5	4.5	1.6	4.0	1.5
3	4.5	1.2	4.5	1.7	5.0	1.5	4.5	2.0
4	3.5	0.9	4.5	1.0	3.5	1.0	4.0	1.5
5	4.0	0.6	4.0	0.6	4.0	0.7	4.5	1.0
6	3.5	0.8	4.0	0.7	4.0	1.0	4.0	1.0
7	4.0	0.9	4.0	1.2	4.5	1.5	4.0	0.8
8	4.0	1.3	4.0	1.0	4.5	1.2	4.5	1.0
9	4.0	1.0	4.5	1.0	4.5	1.5	4.5	1.0
10	4.0	0.8	4.0	0.8	4.5	1.0	4.0	0.9
11	4.0	1.0	3.5	0.8	4.5	1.3	4.5	1.0
12	4.5	1.0	4.0	1.0	4.5	1.0	4.0	1.0
13	4.5	1.0	4.5	1.0	5.0	1.2	4.5	1.0
14	4.5	1.5	4.5	1.0	4.5	1.7	4.5	1.0
15	4.5	1.5	4.5	1.5	4.5	1.4	4.5	1.0
16			4.5	2.0	4.5	1.5	4.0	1.5
17	4.0	1.0	4.5	1.5	4.5	1.5		
18	4.0	0.5	4.0	1.0	4.0	1.3		
19	3.5	0.7	4.0	0.7	4.0	0.8	4.0	0.8
20	4.0	0.6	4.0	1.0	4.0	1.0		
21	3.5	0.8	4.0	0.9				
22	4.0	0.9	4.0	1.0	4.0	0.8	4.0	1.0
23	4.5	0.9	4.0	1.5	4.0	1.5	4.5	1.4
24	4.5	1.5	4.0	1.5	4.5	1.5		
25	4.0	0.9	4.0	1.0				
26	4.0	0.9	4.0	1.0				
27	4.0	0.9	4.0	1.0	4.5	1.3	4.5	1.0
28	4.0	1.2	4.5	1.5	4.0	1.5	4.0	1.0
29	4.0	1.0	4.5	1.5	4.5	1.0	4.0	1.0
30	4.0	1.0	4.0	1.2	4.5	1.3	4.5	1.2
31	4.0	1.0	4.5	1.5	4.5	1.5	4.5	1.0

DIAS ESPECIALES DE AGOSTO 1. 957 - GMT.

DIA 12 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.0 4.5 4.5 4.5 4.0 4.5 4.0 4.0 4.0 4.0 4.0 3.5 4.0 3.5 3.5 4.0 4.0 4.5 4.5 4.5 4.0 4.5 4.0 4.5  
 Amplitud: 1.0 1.0 1.5 1.0 1.0 1.0 0.9 1.0 1.0 0.9 0.8 0.8 1.0 0.8 0.8 1.0 1.2 1.0 1.2 1.0 1.2 1.5 1.2 2.0

DIA 12 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.0 4.0 4.5 4.5 4.5 4.5 4.0 4.0 4.0 4.0 4.0 3.5 4.0 4.0 3.5 4.0 4.0 4.5 4.5 4.5 4.0 4.0 4.0 4.5  
 Amplitud: 2.0 2.0 1.5 1.5 1.5 1.7 1.5 1.5 1.6 1.7 1.3 1.5 2.0 1.4 1.0 1.0 1.5 2.0 1.2 1.4 1.7 1.5 1.5 2.0

DIA 25 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.5 4.5 4.0 4.0 4.0 4.0 4.0 4.0 4.5 4.0 4.0 4.0 3.5 4.0 4.0 4.0 4.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0  
 Amplitud: 1.0 1.2 1.0 1.0 1.2 1.2 1.0 0.9 1.0 0.9 1.0 1.0 0.8 1.0 1.2 1.0 1.0 1.2 1.0 1.2 1.2 1.5 1.5 1.0

DIA 25 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.5 4.5 4.5 4.5 4.5 4.0 4.5 4.5 4.0 4.5 4.5 4.0 4.0 4.0 4.0 4.0 4.5 4.0 4.5 4.0 4.5 4.5 4.5 4.0  
 Amplitud: 1.5 1.5 1.0 1.5 1.7 1.0 1.5 1.6 1.2 1.2 1.0 1.0 1.5 1.5 1.6 1.3 1.5 1.6 1.7 1.5 1.0 1.9 1.8 1.5

DIA 26 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.5 4.5 4.5 4.0 4.5 4.0 4.0 4.0 4.0 4.5 4.0 4.0 4.5 4.0 4.5 4.5 4.0 4.0 4.5 4.5 4.0  
 Amplitud: 1.0 1.5 1.5 1.0 0.9 0.9 0.8 1.0 1.0 0.8 1.0 0.9 1.0 0.9 1.0 0.9 1.0 0.9 1.0 0.9 1.2 1.0

DIA 26 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.0 4.0 4.5 4.0 4.5 4.0 4.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.5 4.0 4.0 4.0 4.5 4.0  
 Amplitud: 1.5 2.0 2.0 1.5 0.8 0.6 0.5 0.6 0.5 0.6 0.8 1.5 1.4 1.2 1.2 1.4 1.5 1.5 1.7 1.8

MICROSISMOS - GALERAZAMBA

P = Periodo en segundos  
 A = Amplitud en micras  
 H = Hora

DIA	N - S				E - W			
	P <sup>0h</sup>	A	P <sup>6h</sup>	A	P <sup>12h</sup>	A	P <sup>18h</sup>	A
1	5.0	0.8	4.5	0.7	4.0	0.6	4.0	0.6
2	3.0	0.5	4.0	0.6	4.0	0.7	3.0	0.8
3					4.2	0.7	5.0	0.7
4	4.5	1.0	4.3	0.8	5.0	1.0	4.0	0.6
5	3.8	0.6	5.0	0.7	4.2	0.8	3.5	0.8
6	4.0	0.8	4.3	0.9	3.6	0.7	3.0	0.5
7	4.5	0.7	3.0	0.8	4.0	0.6	3.5	0.7
8	3.6	0.6	3.2	0.8	3.0	0.5	3.2	0.8
9	3.0	0.7	3.4	0.6	4.0	0.5	4.0	0.6
10	3.5	1.0	3.0	1.1	4.1	0.9	3.0	0.7
11	4.0	0.8	3.8	0.7	4.3	0.6	4.5	0.8
12	3.8	0.5	4.0	0.8	4.5	0.7	3.0	0.5
13	3.5	0.6	3.0	0.7			3.8	0.7
14	3.0	0.7	4.3	0.8	3.0	0.6	3.0	0.8
15	3.2	0.6	4.0	0.7	3.8	0.7	3.5	0.6
16	3.3	0.5	3.0	0.8	4.0	0.6	4.0	0.9
17	3.5	0.8	3.4	0.6	3.5	1.0	3.0	0.6
18	4.0	0.7	3.0	0.9	3.2	0.7	3.4	0.5
19	3.0	0.6	3.5	0.7	3.0	0.8	3.0	0.7
20	3.2	0.8	3.0	0.6	3.5	0.7	3.5	0.6
21	4.3	0.7	3.0	0.5	3.2	0.6	3.0	0.4
22	4.0	0.6	3.8	0.7	3.0	0.7	4.2	0.6
23	3.8	0.8	4.0	0.6	3.2	0.8	3.0	0.5
24	3.0	0.6	3.5	0.8	3.0	0.6	3.5	0.7
25	3.2	0.8	3.0	0.5	3.5	0.7	3.0	0.8
26	3.5	0.6	3.2	0.7	3.0	0.6	3.2	0.6
27	3.0	0.7						
28							3.0	0.7
29	4.0	0.8	3.0	0.6	3.2	0.7	3.2	0.8
30	3.0	0.6	4.0	0.7	3.0	0.6	3.0	0.6



DIAS ESPECIALES DE SEPTIEMBRE 1.957 - GMT.

MICROSISMOS - GALERAZAMBA

P = Periodo en segundos  
 A = Amplitud en micras  
 H = Hora

DIA	N - S				E - W			
	P <sup>0h</sup>	A <sup>0h</sup>	P <sup>6h</sup>	A <sup>6h</sup>	P <sup>12h</sup>	A <sup>12h</sup>	P <sup>18h</sup>	A <sup>18h</sup>
1	3.5	0.8	4.0	0.6	3.0	0.7	3.0	0.8
2	3.2	0.7	3.5	0.8	3.2	0.6	3.5	0.6
3	3.0	0.6	4.0	0.6	3.0	0.8	3.0	0.5
4	4.0	0.8	3.0	0.7	3.5	0.6	4.0	0.7
5	3.2	0.6	3.0	0.6	3.0	0.8	3.0	0.8
6	3.7	0.7	3.2	0.6	3.8	0.7	3.0	0.8
7	3.5	0.9	3.0	0.7	3.4	0.6	4.5	0.7
8	3.2	0.6	3.5	0.8	3.0	0.7	3.0	0.6
9	3.0	0.7	3.2	0.6	4.0	0.8	3.7	0.8
10	3.5	0.6				3.0	0.5	
11	3.2	1.0	3.0	0.5	3.0	0.6	2.8	0.6
12	3.0	0.5	2.9	0.7	3.5	0.4	3.2	0.8
13	4.0	0.8	3.5	0.9	3.2	0.7	3.0	0.5
14	3.2	0.8	3.0	0.6	3.0	0.8	3.6	0.7
15	3.0	0.5	4.0	0.7	3.2	0.6	3.0	0.6
16	3.5	0.6	3.2	0.8	3.0	0.7	3.0	0.5
17	3.0	0.8	3.1	0.7	4.0	0.5	4.0	0.7
18	3.2	0.6	3.0	0.5	3.8	0.6		
19						3.0	0.7	
20	3.1	0.8	3.0	0.6	3.5	0.7	3.2	0.5
21	3.0	0.7	3.5	0.5	4.0	0.9	3.1	0.6
22	3.8	0.6	3.2	0.7	3.0	0.6	3.0	0.7
23	3.2	0.8	3.0	0.6	3.5	0.8	3.5	0.8
24	4.0	0.7	3.8	0.5		3.0	0.6	
25	3.0	0.6	3.2	0.7	3.0	0.6	3.5	0.7
26	3.2	0.5	3.0	0.8	3.5	0.7	3.0	0.8
27	3.5	0.7	3.0	0.6		3.2	0.6	
28	3.0	0.5	4.0	0.7	3.4	0.6	3.0	0.7
29	3.8	0.6	3.2	0.8	3.0	0.8	3.5	0.8
30	3.0	0.8	3.5	0.6	4.0	0.7	4.0	0.6

DIAS ESPECIALES DE OCTUBRE 1.957 - GMT.

DIA 22 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.0 3.5 3.8 3.0 4.0 3.8 3.5 3.3 4.0 4.2 3.8 3.7 4.0 3.0 3.4 3.8 4.0 3.5 3.9 3.0 4.0 3.8 4.2 3.5  
 Amplitud: 0.9 0.7 1.0 0.8 1.0 0.8 0.6 1.0 1.1 0.9 0.7 1.2 1.0 0.6 0.9 0.7 1.0 0.8 1.2 0.8 0.9 0.7 1.0 0.8

DIA 22 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 3.0 4.2 3.0 3.5 3.8 4.0 3.7 3.5 4.0 4.2 3.8 3.0 3.5 4.0 4.3 3.8 3.5 3.6 4.0 3.8 3.7 4.0 4.2 3.0  
 Amplitud: 1.0 0.8 1.2 0.7 1.2 0.9 0.7 0.6 1.3 1.0 0.9 0.7 1.0 0.8 1.2 0.7 0.9 1.0 1.2 1.1 0.7 0.9 0.6 0.8

DIA 23 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.0 3.8 3.5 4.2 3.8 3.5 3.0 3.5 3.8 4.0 4.2 4.0 3.8 3.5 3.6 3.4 4.2 3.8 4.3 4.3 3.6 4.0 4.3 3.8  
 Amplitud: 0.9 1.0 0.8 1.2 1.1 0.9 0.7 1.0 1.2 0.8 0.6 0.9 1.2 1.1 0.9 0.8 0.6 1.0 0.8 1.2 0.7 0.9 0.8 1.0

DIA 23 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 3.8 3.5 4.0 4.2 3.4 3.6 4.0 3.8 3.6 4.2 4.0 3.8 4.3 3.5 4.0 3.8 3.4 3.5 4.0 3.0 3.5 3.8 4.0 3.8  
 Amplitud: 0.9 0.7 1.0 1.3 0.9 0.6 1.0 1.2 0.9 0.7 1.0 0.8 1.2 0.9 1.0 0.7 0.6 1.2 0.9 0.8 1.2 1.0 1.1 1.3

DIA 24 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.0 4.1 3.8 4.2 3.5 4.0 4.1 3.8 3.5 4.2 4.0 3.8 4.2 3.9 4.0 3.8 4.2 4.0 4.3 3.8 3.6 4.0 4.2 3.8  
 Amplitud: 1.0 1.2 2.0 1.4 1.2 0.8 1.2 1.0 0.9 0.8 1.3 1.0 0.9 0.8 0.7 1.2 0.9 1.3 1.0 1.2 0.7 0.9 1.0 0.9

DIA 24 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 3.9 3.7 4.0 4.2 4.1 3.8 3.5 4.0 3.8 4.2 4.0 3.7 4.1 4.3 4.0 3.8 3.7 3.5 4.0 4.3 3.8 3.9 4.2 3.7  
 Amplitud: 0.9 1.1 1.2 1.0 1.3 0.9 0.7 1.1 1.0 1.4 0.9 0.8 1.0 1.1 1.3 0.9 0.8 1.1 1.4 0.9 1.0 1.2 1.3 0.8

MICROSISMOS - GALERAZAMBA

P = Periodo en segundos
A = Amplitud en micras
H = Hora

Table with columns for Day (DIA), Hour (h), and Amplitude (A) for Periods (P) of 0h, 6h, 12h, and 18h. Data is organized by day from 1 to 30 for November 1957.

DIA 14 - N - S

Hours 1-24, Periodo: 4.0 3.8 3.5 3.6 4.2 3.8 3.0 3.5 4.2 4.0 3.5 3.8 4.3 3.9 3.5 4.0 3.8 3.0 3.5 4.0 4.2 3.0 3.5 3.9
Amplitud: 0.7 0.9 1.2 1.0 0.8 0.9 1.3 0.7 0.8 1.2 1.0 0.9 0.6 1.0 1.1 0.8 0.6 0.8 1.0 1.3 0.9 0.6 0.8 0.7

DIA 14 - E - W

Hours 1-24, Periodo: 3.5 3.8 3.0 4.0 4.2 3.4 3.7 3.3 4.0 4.3 3.8 3.0 3.5 4.0 3.8 3.4 3.6 4.3 3.0 4.0 3.8 4.0 3.5 3.6
Amplitud: 0.8 0.9 1.0 1.3 0.5 0.8 1.2 1.0 0.7 0.9 1.3 0.8 1.2 1.0 0.8 0.7 0.6 0.9 1.0 0.8 1.2 0.7 0.8 0.9

DIA 21 - N - S

Hours 1-24, Periodo: 4.2 3.8 3.5 4.0 3.9 3.0 3.7 4.0 4.3 3.8 3.5 4.0 4.5 4.9 3.7 4.3 4.0 3.8 3.5 3.4 4.0 3.8 3.0 4.2
Amplitud: 0.9 1.0 1.3 0.9 0.7 1.0 0.9 0.8 1.0 1.1 1.3 0.8 0.7 0.6 1.0 0.8 1.3 1.2 0.8 0.7 0.9 1.2 0.8 1.0

DIA 21 - E - W

Hours 1-24, Periodo: 4.0 4.2 3.8 3.7 3.9 4.2 4.0 3.8 4.3 4.0 3.9 3.8 4.0 3.9 4.2 4.0 4.3 3.9 3.6 3.8 4.0 4.2 3.8 3.7
Amplitud: 1.0 1.3 0.9 1.1 0.8 1.2 1.0 0.8 1.0 1.2 0.7 0.9 1.2 1.1 1.4 1.2 1.0 0.8 0.7 1.1 1.3 1.0 0.9 0.8

DIA 22 - N - S

Hours 1-24, Periodo: 4.2 3.7 3.9 4.0 4.1 4.3 3.9 4.0 3.8 4.0 4.1 4.0 3.8 3.7 4.9 3.8 4.1 4.0 3.9 3.7 4.3 4.0 3.8 3.6
Amplitud: 1.0 0.9 1.1 1.3 1.0 1.3 0.8 0.9 1.1 1.2 1.4 1.0 0.9 0.8 1.2 0.9 1.1 1.0 1.2 0.8 0.7 1.0 0.9 0.7

DIA 22 - E - W

Hours 1-24, Periodo: 3.8 4.0 4.2 4.1 3.9 3.7 3.5 4.0 3.8 4.2 4.3 4.0 3.9 3.7 4.2 4.0 4.1 3.7 3.5 4.0 3.8 4.2 3.7 3.9
Amplitud: 0.9 1.4 1.0 0.8 1.1 1.0 0.8 1.2 1.4 0.9 1.0 1.3 0.8 1.0 1.2 0.9 1.3 0.8 1.0 1.2 0.9 1.3 0.8 1.0

Table with columns for Day (DIA), Hour (h), and Amplitude (A) for Periods (P) of 0h, 6h, 12h, and 18h. Data is organized by day from 1 to 30 for November 1957.



MICROSISMOS - GALERAZAMBA

P = Período en segundos  
A = Amplitud en micras  
H = Hora

DIA	0h		6h		12h		18h		DICIEMBRE 1.957
	P	A	P	A	P	A	P	A	
1	3.5	0.8	3.9	1.0	3.5	0.8	4.0	0.7	3.6 0.7 4.0 0.9 3.5 0.6 3.4 0.8
2	3.2	0.6	3.5	0.8	3.0	0.6	3.5	1.0	3.5 0.6 3.5 0.7 3.2 1.0 3.7 0.6
3	3.0	0.7	3.2	0.6	3.6	1.0	3.0	0.8	4.0 0.9 3.7 0.6 3.0 0.8 3.5 0.7
4	3.5	0.6	4.0	0.7	3.5	0.6			3.2 1.0 3.8 0.8
5							4.0	0.6	
6	3.6	0.8	3.5	1.0	3.8	0.9	4.2	1.3	3.8 0.9 4.0 0.7 3.5 0.9 3.5 0.9
7	3.8	1.1	4.2	1.2	3.7	1.0	3.5	1.1	3.5 1.0 3.8 0.8 4.0 1.0 4.2 1.3
8	3.0	0.7	3.4	0.8	3.5	0.6	3.8	0.7	3.7 0.8 3.5 1.2 3.0 0.8 3.1 0.8
9	3.5	0.8	3.0	0.9	3.4	0.8	3.0	0.8	3.0 0.7 3.2 0.8 3.5 0.6 3.5 0.6
10	3.2	1.0	3.5	0.6	4.0	0.7			3.2 0.9 3.7 0.6 3.4 0.9
11							3.5	0.8	
12	3.0	0.7	3.0	0.9	3.2	0.6	3.0	0.6	3.0 0.6 3.5 0.8 3.5 0.8 3.4 0.9
13	3.1	0.6	3.6	0.7	3.0	0.8	3.5	0.7	3.5 1.0 3.8 1.0 3.2 0.9 3.5 0.7
14	3.5	0.8	3.4	0.9	3.8	0.7	3.5	0.9	3.0 0.8 3.6 0.7 3.0 0.6 3.8 0.8
15	3.0	0.7	3.0	0.7	3.5	0.6	3.0	0.6	3.6 0.6 4.0 1.1 3.5 0.7 4.0 0.5
16	3.2	0.6	3.3	0.8	3.0	0.7	3.5	0.8	3.4 0.7 3.0 0.8 3.2 0.5 3.0 0.7
17	3.0	0.5	3.5	0.6	3.8	0.7	3.0	0.6	3.5 0.8 3.4 0.7 3.6 0.6 3.5 0.9
18	3.5	0.7	3.0	0.9	3.5	0.6	3.8	0.9	3.0 0.6 3.3 0.6 3.0 0.8 3.2 0.6
19	3.8	0.8	3.6	0.7	3.0	0.8	3.0	0.8	3.2 0.5 2.9 0.7 3.5 0.7 3.0 0.8
20	3.0	0.6	3.5	0.8	3.6	0.7	3.5	0.6	3.0 0.7 3.5 0.9 3.3 0.6 3.5 0.7
21	3.5	0.7	3.0	0.6	4.0	0.9	3.2	0.9	3.6 0.8 4.0 1.0 3.0 0.8 3.4 0.6
22	3.8	0.8	3.5	0.7	3.2	0.6	3.0	0.7	3.8 0.6 3.4 0.8 3.5 0.7 3.0 0.9
23	3.4	0.6	3.8	0.8	3.0	0.7	3.5	0.6	3.0 0.7 3.5 0.9 3.2 0.6 3.6 0.6
24	4.0	1.0	3.0	0.6	3.5	0.8	3.0	0.8	3.5 0.8 3.6 0.6 3.5 0.8 3.8 1.0
25	3.5	0.7	3.3	0.7	4.0	0.6	4.0	0.9	3.8 1.0 3.6 0.7 3.0 0.7 4.2 0.9
26	3.8	0.6	4.0	0.9	3.8	1.0	3.8	1.0	4.0 0.8 3.8 1.2 3.7 0.6 3.6 0.8
27	4.2	1.2	3.8	0.8	4.0	0.9	4.2	1.2	3.5 0.9 4.0 1.0 4.2 0.9 3.8 1.0
28	3.5	0.8	4.2	1.0	3.5	0.6	3.5	0.7	4.3 1.2 3.5 0.9 4.0 1.2 3.5 0.8
29	4.0	1.3	3.5	0.7	4.2	1.0	3.8	0.9	3.8 0.8 3.0 0.7 3.5 0.8 4.0 1.2
30	3.9	0.8	4.0	1.2	3.8	1.3	4.0	1.3	4.2 0.9 3.8 0.8 3.7 1.0 3.7 0.9
31	4.2	1.2	3.8	1.3	4.0	1.1			4.0 1.0 4.3 1.2 3.9 0.7

DIA 12 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 4.0 4.2 3.8 3.6 3.9 4.0 4.1 4.3 3.8 3.7 3.8 4.0 4.1 4.3 4.0 3.8 4.1 4.0 3.9 4.2 3.8 4.0 3.6 3.8  
 Amplitud : 0.9 1.2 0.9 1.1 0.8 1.0 1.3 0.9 1.0 0.8 1.1 1.3 1.0 1.4 0.9 1.1 1.0 1.3 0.8 1.0 1.2 1.4 0.8 0.7  
 DIA 12 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 3.8 4.0 3.7 4.0 4.2 3.9 4.3 3.8 4.0 4.2 3.9 3.8 4.0 4.3 3.8 3.6 4.0 3.9 4.2 4.0 3.8 4.0 3.8 3.9  
 Amplitud : 0.9 1.2 0.8 1.3 1.0 0.7 1.1 0.7 1.0 1.3 1.1 1.2 0.8 1.2 0.9 1.1 0.8 1.2 0.8 1.4 1.0 1.2 0.9 0.8  
 DIA 13 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 4.0 3.8 4.2 4.0 3.9 4.2 5.3 3.8 3.6 4.0 4.3 3.8 3.5 3.0 3.8 4.0 4.2 3.8 4.0 3.9 4.2 4.0 3.8 4.0  
 Amplitud : 1.0 0.9 1.4 0.8 1.1 1.3 1.0 1.1 0.9 1.2 1.0 0.9 0.7 0.8 1.0 1.3 1.1 1.0 0.9 1.2 1.1 1.3 0.7 1.0  
 DIA 13 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 3.9 3.7 4.0 4.2 4.1 4.3 3.8 3.7 4.0 3.5 4.0 4.2 3.8 3.5 4.0 3.8 4.2 3.9 4.1 4.0 3.8 4.2 3.7 3.9  
 Amplitud : 0.8 1.1 1.4 1.3 1.0 1.2 0.9 1.1 0.8 0.7 1.0 1.4 1.1 0.8 1.3 0.9 1.2 0.8 1.1 1.0 1.1 1.4 0.8 0.9  
 DIA 14 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 4.2 3.9 4.0 4.3 3.8 4.0 4.2 3.9 4.0 3.8 3.7 4.0 4.3 3.8 4.0 4.5 3.9 3.8 4.0 3.5 4.0 4.2 3.8 3.6  
 Amplitud : 1.0 0.8 1.2 1.1 1.0 0.9 1.3 1.1 1.2 0.9 0.8 1.2 1.1 0.9 1.1 1.2 1.1 1.0 1.4 0.8 1.2 0.9 0.8 1.0  
 DIA 14 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 3.9 3.5 4.0 4.2 3.8 4.0 4.3 3.9 4.2 3.8 3.7 4.0 4.2 3.8 4.2 3.6 4.3 3.8 4.0 3.9 4.2 3.8 4.0 3.9  
 Amplitud : 1.0 0.8 1.2 1.0 0.9 1.1 1.2 1.0 1.3 0.9 0.8 1.2 1.0 1.1 0.9 1.0 1.2 1.1 0.8 1.2 1.0 1.1 1.3 1.2  
 DIA 15 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 4.0 4.2 3.8 4.0 4.3 3.9 3.7 4.0 3.8 4.2 4.1 3.8 4.0 3.9 4.2 4.0 4.3 3.8 3.6 4.3 4.0 4.1 3.8 4.0  
 Amplitud : 0.9 1.0 0.9 1.2 1.1 0.8 1.1 0.8 1.1 1.0 0.9 1.1 1.2 1.1 1.0 1.2 0.9 1.0 0.8 1.0 1.2 0.9 1.0 1.2  
 DIA 15 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 4.0 4.0 3.9 4.2 4.0 4.3 3.9 3.8 4.0 4.3 3.8 4.2 4.0 3.9 4.2 3.8 4.0 4.3 4.2 3.9 4.0 3.7 4.2 3.8  
 Amplitud : 1.2 0.9 1.0 1.3 1.2 1.0 1.1 1.0 0.9 1.0 0.9 1.0 0.9 1.0 1.2 1.1 1.0 1.1 1.2 1.0 1.3 0.9 1.0 0.7  
 DIA 16 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 3.7 4.0 4.2 3.8 3.6 4.0 4.3 4.2 4.0 3.8 3.5 4.0 4.3 4.0 3.9 4.0 4.2 3.7 3.9 4.0 4.2 4.0 3.8 3.6  
 Amplitud : 0.8 1.2 1.0 1.1 0.7 1.3 1.1 1.0 0.9 1.0 0.8 1.2 0.9 1.3 0.7 1.0 1.4 0.9 0.8 1.2 1.3 1.1 1.0 0.8  
 DIA 16 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 4.0 4.2 3.8 3.7 4.0 4.1 3.9 4.2 4.0 3.8 3.5 4.0 4.3 4.0 3.9 4.0 4.2 3.7 3.9 4.0 4.2 4.0 3.8 3.6  
 Amplitud : 1.2 1.1 0.9 0.8 1.2 1.0 1.1 1.3 1.2 0.7 1.0 1.2 0.9 1.1 1.4 1.2 1.0 0.8 1.1 0.9 1.2 0.8 1.1 0.9  
 DIA 17 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 4.0 4.2 3.8 4.2 4.5 3.8 3.6 4.0 3.5 3.8 3.7 4.0 4.3 4.1 3.8 3.0 4.2 3.6 3.8 4.0 3.9 4.2 3.8 3.6  
 Amplitud : 1.1 1.2 0.8 1.0 1.1 1.0 0.9 0.8 1.0 1.3 1.2 1.4 1.0 1.1 0.9 0.8 1.0 1.1 0.9 1.2 0.7 1.3 0.9 0.8  
 DIA 17 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 4.2 4.0 3.8 4.1 3.9 4.0 4.1 4.0 3.8 4.2 4.0 3.9 4.3 4.0 3.8 3.6 4.0 4.2 4.1 3.9 4.2 4.0 3.8 4.0  
 Amplitud : 1.0 0.9 1.2 1.1 0.8 1.2 1.4 0.8 1.1 0.9 1.3 0.8 1.0 1.1 0.9 0.7 1.2 1.0 1.3 0.8 1.0 1.1 0.9 1.2  
 DIA 18 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 3.8 3.7 4.0 4.2 3.9 4.2 4.0 3.9 3.6 4.0 4.3 4.1 3.8 3.6 3.9 4.3 4.0 4.2 4.1 3.8 4.0 4.2 3.9 4.0  
 Amplitud : 0.7 0.9 1.3 1.0 0.8 1.1 1.2 0.8 0.9 1.2 1.0 1.3 0.9 1.0 0.8 1.1 1.3 1.2 0.9 1.1 1.2 1.4 0.8 1.1  
 DIA 18 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Período : 4.0 4.2 4.1 3.8 3.6 4.0 4.3 4.1 3.9 3.8 3.6 4.0 4.2 4.1 4.3 3.8 3.6 3.5 4.0 4.3 4.1 3.8 4.0 3.9  
 Amplitud : 0.8 1.0 1.3 1.1 0.8 1.2 1.0 1.1 0.8 0.9 0.7 1.2 1.0 1.1 0.9 1.1 0.8 0.6 1.2 0.9 1.3 1.1 1.0 0.8

DIA 19 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.2 4.0 3.8 4.3 3.9 4.0 4.2 4.1 3.6 3.8 3.5 4.0 4.3 3.8 4.2 3.7 3.5 4.1 4.0 4.3 4.0 3.8 3.7 3.9  
 Amplitud: 1.0 1.2 0.9 1.1 1.3 1.1 1.0 0.9 0.8 1.1 0.7 0.9 1.0 1.3 1.1 0.8 0.9 1.3 1.1 1.0 0.9 1.0 0.8 1.1

DIA 19 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.0 3.8 4.2 4.1 3.9 4.1 4.0 3.8 3.7 3.9 4.3 4.0 4.2 4.1 3.8 3.6 4.0 4.2 3.9 3.7 4.2 4.0 3.8 4.0  
 Amplitud: 0.9 1.1 1.0 1.3 1.0 0.8 1.2 0.9 0.8 1.0 1.4 1.2 1.0 1.1 0.9 0.8 1.1 1.0 0.8 0.6 0.9 1.2 0.9 1.1

DIA 20 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 3.8 3.6 4.0 4.2 3.8 4.2 4.1 3.9 4.0 4.2 3.8 3.7 4.0 4.3 4.9 3.6 3.8 4.0 4.3 4.1 3.8 4.2 3.9 3.8  
 Amplitud: 0.9 0.8 1.1 1.0 1.1 1.0 1.3 1.0 1.2 1.0 0.9 0.8 1.3 1.2 0.8 1.1 0.9 1.2 1.0 1.1 0.9 1.0 0.8 1.0

DIA 20 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.1 3.9 4.2 4.3 3.8 3.9 4.1 4.2 4.0 3.8 3.6 3.9 4.3 3.0 3.8 4.3 4.0 4.1 3.8 3.7 4.0 4.1 3.8 4.0  
 Amplitud: 1.0 1.1 1.3 1.0 0.9 1.0 1.0 1.2 1.1 1.0 0.8 1.1 1.2 0.9 1.0 1.2 1.1 1.0 0.9 0.8 1.1 1.2 1.0 1.1

DIA 21 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.5 3.8 4.0 4.1 4.0 4.2 3.9 3.7 4.2 4.0 4.3 3.8 3.9 4.0 4.3 4.1 4.2 3.8 3.6 3.8 4.2 4.1 3.8 3.6  
 Amplitud: 1.2 1.0 1.1 1.3 0.9 1.0 0.8 0.9 1.2 1.1 1.0 1.1 1.2 0.9 1.0 1.2 1.1 0.9 0.8 1.1 1.0 1.2 0.9 1.0

DIA 21 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 3.8 3.6 4.0 3.9 4.2 3.8 4.3 4.0 4.1 3.8 3.7 4.2 4.1 4.0 3.5 3.8 4.1 3.9 4.0 3.8 4.1 4.2 3.6 3.8  
 Amplitud: 0.7 0.8 1.2 0.8 1.0 0.9 1.0 1.3 1.2 0.9 0.8 1.1 1.0 1.3 1.1 0.7 0.9 1.0 1.2 0.9 1.2 1.1 0.8 1.1

DIA 22 - N - S

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.0 4.2 3.8 3.7 4.2 3.9 4.0 3.8 4.2 4.0 4.1 3.5 4.0 3.8 4.1 4.2 3.9 4.3 4.0 3.9 4.1 3.7 4.0 3.9  
 Amplitud: 1.2 1.0 0.9 0.8 1.0 1.1 1.3 0.9 1.1 1.2 0.9 0.7 1.3 1.0 1.2 1.0 1.1 1.3 0.8 0.9 1.0 0.8 1.2 1.1

DIA 22 - E - W

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 4.3 4.0 3.9 4.1 4.0 3.8 3.6 4.0 3.9 4.2 3.8 3.5 4.2 4.0 3.9 4.0 4.1 3.8 3.6 4.2 4.1 3.8 4.0 4.2  
 Amplitud: 1.0 1.1 1.3 0.9 0.8 1.0 0.8 1.3 1.1 1.0 0.9 0.7 1.0 0.8 1.0 0.9 1.2 1.1 0.8 1.0 1.2 0.9 1.2 1.1

*[Faint, mostly illegible text, likely bleed-through from the reverse side of the page.]*

MICROSISMOS - FUQUENE

P = Periodo en segundos  
 A = Amplitud en micras  
 H = Hora  
 V = Vertical

DICIEMBRE 1. 957 - V.

DIA	0 <sup>h</sup>		6 <sup>h</sup>		12 <sup>h</sup>		18 <sup>h</sup>	
	P	A	P	A	P	A	P	A
17	7.0	1.4	6.2	1.5	6.0	1.7	7.0	1.6
18	6.5	1.7	7.0	1.4	5.5	1.5	6.0	1.8

DIAS ESPECIALES DE DICIEMBRE 1. 957 - GMT.

DIA 17 - V

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24  
 Periodo : 7.0 6.5 6.0 5.0 7.0 5.5 6.0 6.5  
 Amplitud: 1.8 1.6 1.5 1.7 1.8 1.6 1.5 1.7  
 DIA 18 - V

Hora : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15, 16 17 18 19 20 21 22 23 24  
 Periodo : 6.0 5.2 7.0 6.5 5.8 6.0 7.0 6.2 6.5 5.0 5.5 5.0 7.0 5.5  
 Amplitud: 1.6 1.8 1.9 1.8 1.6 1.9 1.7 1.6 1.7 1.4 1.7 1.2 2.0 1.7