

11 APR 1967

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No: 1/67

PRELIMINARY SEISMOGRAM READINGS
at
(ISK) Kandilli-İstanbul
December 30, 1966 - January 6, 1967
.....

December 30	i Pg	22 32 11,4
	i Sg	31,8
December 31	i Pg	01 32 23,3
	i Sg	40,8
"	e P(KP)	18 42(32)
"	e	22 34(34)
JANUARY 1	i Pg	19 28 01,5
	i Sg	14,0
January 2	ii Pg	13 54 42,4
January 4	i Pn	05 59 37,5
	i Sg	06 00 22,7
January 5	ei P	00 23 42,1
	e S	31 07
"	<u>i P</u>	00 51 11,0 D
"	No time marks after 10 ^h GMT. till next day.	

Chief
Dr. N. Öcal

Assistant in Seismology
S. B. Üçer

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No: 2-3/67

PRELIMINARY SEISMOGRAM READINGS

at

(ISK) Kandilli-İstanbul

January 6, 1967 - January 20, 1967

January 9	ei P	02 40 26,6
January 10	i Sg Local.	10 12 24,8
January 11	P No time marks during the interval from 11h to 07h of the next day.	11(24) CW
January 12	i Pn i Sg	08 56 25,8 57 10,9
January 16	i Pg i Sg Local.	18 22 50,8 23 05,7
January 18	<u>i P</u> 0.8 sec. 0.13 micron.	05 44 26,7 D
January 18	i Pn i Sg	13 40 23,2 41 14,7
January 19	i Pn e Sg	07 31 01,4 29
"	<u>ei P</u> 1.0 sec. 0.12 micron.	13 00 48,2
Addition: January 20	<u>i P</u> 1.0 sec. 0.30 micron.	02 06 26,5 cD

Chief
 Dr. N. Öcal

Assistant in Seismology
 S.B.Üçer

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No: 4/67

PRELIMINARY SEISMOGRAM READINGS
at
(ISK) Kandilli-İstanbul

January 20, 1967 - January 27, 1967
.....

January 20	<u>i P</u> 1.0 sec. 0.30 micron.	02 06 26,5 cD
"	i Pg i Sg	22 19 34,8 C 39,6
January 21	i Pg i Sg	23 57 17,4 C 28,9
January 23	i Pg i Sg	02 37 20,2 37,2
"	i Pn 0.4 sec. 0.03 micron.	19 52 13,6 C
January 24	<u>i P</u> 0.9 sec. 0.09 micron.	03 17 31,9 C
"	e P	09 38 21
January 25	<u>i P</u> 1.0 sec. 0.36 micron.	01 56 32,0 CSE

Chief
Dr. N. ÖCAL

Assistant in Seismology
S. B. ÜÇER

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No: 6/67

PRELIMINARY SEISMOGRAM READINGS

at

(ISK) Kandilli-İstanbul

February 3, 1967 - February 10, 1967

February 3	<u>i</u> P	13 01 58,6 C
February 5	i Pg i Sg	15 37 35,4 46,0
"	i Pg i Sg	15 37 35,4 46,0
February 7	i Pg i Sg	03 09 20,4 39,4
February 8	i Pg i Sg	20 48 48,6 49 10,6
"	e Pg i Sg	21 27 07 30
"	i Pg i Sg	22 18 06,7 29,7
"	i Pg i Sg	22 39 48,6 40 04,6
"	i Pg i Sg	23 03 14,0 36,6
"	i Pg i Sg	23 15 12,4 35,6
February 9	i Pg i Sg	06 44 55,5 45 19,0
"	i Pg i Sg	06 48 56,0 49 19,5
"	i Pn i Pg i Sg	14 10 02,0 06,4 18,9
"	e (P)	15 38(08)

Chief
 Dr. N.Öcal

Assistant in Seismology
 S.B.ÜÇER

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No: 7/67

PRELIMINARY SEISMOGRAM READINGS

at
(ISK) Kandilli-İSTANBUL

February 10, 1967 - February 17, 1967
.....

February 11	ii Pg	22 36 53,7 C
	e Sg	37 06
	M _L : 4.0 Epicentral distance: 105 km.	
February 12	e Pg	06 45 52
	e Sg	46 10
"	ii Pg	23 24 12,9 C
	e Sg	28
	M _L : 4.0 Epicentral distance: 130 km.	
February 13	e P	23 22 32
	e PP	24 10
	P wave masked by micro-seism.	
February 14	<u>i</u> P	01 46 38,3 dC
	1.0 sec. 0.10 micron.	
"	i Pg	18 19 32,2 C
	i Sg	42,8
	M _L : 3.3 Epicentral distance: 90 km.	
"	i Pg	19 13 26,0 C
	i Sg	36,1
"	e Pg	19 32 34
	e Sg	44
	M _L : 3.0 Epicentral distance: 85 km.	
February 15	e	01 51 13
	Seismic ?	
February 16	i Pg	18 14 17,4
	i Sg	35,7

ALL MAGNITUDE DETERMINATIONS ARE CALCULATED BY "STANDARD WOOD-ANDERSON TORSION SEISMOMETER".

Chief
Dr. N. Öcal

Assistant in Seismology
S. B. ÜÇER

KANDILLI OBSERVATORY
 Seismological Section
 ISTANBUL TURKEY

No: 8/67

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli-İstanbul

February 17, 1967 - February 24, 1967

February 17	e (P)	10 30 50
	Masked by microseisms.	
"	i Pg	12 01 06,5
	i Sg	26,0
February 18	<u>i</u> P	01 08 51,5
February 19	e P	22 27(43)
"	e P	22 38(26)
February 20	<u>i</u> P	15 25 51,0 cD
February 22	e P	15 36(12)
"	i Pg	20 14 52,0
	i Sg	15 13,0
"	e P	21 32(27)
February 23	<u>i</u> P	19 51 04,8 C

Chief
 Dr. N. Öcal

Assistant in Seismology
 S.B. Üçer



Seismological Section
ISTANBUL TURKEY

No: 9/67

PRELIMINARY SEISMOGRAM READINGS
at
(ISK) Kandilli-Istanbul

February 24, 1967 - March 3, 1967
.....

February 24	i Pn	07 32 50,3
February 25	ii Pg i Sg	19 55 46,3 CNE 51,8
"	i Pg i Sg	20 07 09,3 CNE 14,8
February 26	e Pn	00 51(41)
"	<u>i P</u>	04 04 54,4 CNW
"	i Pg i S	07 06 07,0 13,0
"	e Pg i Sg	16 22(46) 51,5
"	e Pg i Sg	21 40(08) 13,0
"	e P	23 51(46)
February 27	ii Pn	21 01 45,7 DNW
February 28	<u>i P</u>	09 49 48,8 D
"	<u>i P</u>	14 33 34,8 D
"	e (P)	20 41(46)
MARCH 1	<u>i P</u>	05 18 32,9
"	i Pg i Sg	07 06 31,4 44,9
March 2	i Pg i Sg	01 32 33,0 37,0
"	i Pn	06 19 01,0
Chief Dr. N. Öcal		Assistant in Seismology R. Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No: 10/67
 "A"

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul

March 3, 1967 - March 10, 1967

March 4	<u>i P</u>	05 21 11,4 D
	1.5 sec. 0.29 micron.	
"	<u>i P</u>	06 35 46,4 D
	1.5 sec. 0.29 micron.	
	i pP	" 52,9
"	e Pg	15 34(49)
	i Sg	35 07,1
"	i Pn	17 47 08,1
"	<u>ii P</u>	17 59 03,6 CNE
	Strongly felt in Edirne, Çanakkale and İzmir provinces.	
	M_L : 6.0 Epicentral distance : 400 km.	
"	i Pn	18 39 01,0
	M_L : 4.9 Epicentral distance : 400 km.	
"	i Pn	18 49 42,2
"	e Pn	23 16(06)
March 5	i Pn	01 00 35,8
	i Pg	51,3
"	i Pn	01 47 05,8
"	e Pn	02 45(13)
"	i Pn	02 53 39,3
"	i Pn	03 52 08,3
"	i Pn	09 04 04,4
"	i Pn	16 34 55,0
	i Pg	58,5
	i Sg	35 25,0
	M_L : 3,8 Epicentral distance : 220 km.	

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No : 10/67
"B"

FRELIMINARY SEISMOGRAM READINGS

March 5	i Pn	17 24 09,0
"	i Pn	18 55 31,0
March 6	e Pn	01 34(08)
"	i Pg	11 42 37,4
	i Sg	48,9
March 7	i Pg	20 23 07,5
	i Sg	33,5
March 8	e Pn	17 44(24)
March 9	e Pn	00 47(47)
"	i Pg	10 14 54,6
	i Sg	15 11,1

Chief
Dr. N. Öcal

R.Can - S.B.Üçer

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No : 11/67

PRELIMINARY SEISMOGRAM READINGS
at
(ISK) Kandilli - İstanbul

March 10, 1967 - March 17, 1967
.....

March 11	i Pn	04 17 30,7
"	i Pn	05 19 29,7
	i Pg	32,2
	i Sg	57,2
	M_L : 3.9 Epicentral distance : 210 km.	
March 12	e P	04 03(48)
"	e Pn	11 00(51)
"	i Pn	20 15 50,8
	i Sg	16 23,3
March 13	i P(KP)	19 27 22,5 C
March 16	i Pg	21 28 31,9
	i Sg	48,4
"	e Pn	22 05(69)
"	e Pn	22 25(59)

Chief
Dr. N. Öcal

R.Can - S.B.Üçer

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No: 12/67

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul

March 17, 1967 - March 24, 1967

March 18	i Pn	00 42 44,5 C
	i Pg	46,5
	i Sg	43 04,0
March 19	e Pn	14 33(41)
"	e Sg	21 21(46)
"	i Pg	21 29 34,3 CN
	i Sg	40,3
March 20	<u>i P</u>	13 43 34,0 D
	1.5 sec. 0.05 micron	
"	<u>i P</u>	13 52 56,5 C
"	<u>i P</u>	14 04 12,0
March 21	i Pn	05 24 20,3
	i Sg	25,00,3
"	e Sg	17 13(31)
"	i Pg	23 13 05,7
	i Sg	21,7
March 22	i Pg	21 04 02,5 CN
	i Sg	08,0
"	i Sg	21 49 05,0
March 23	<u>i P</u>	04 52 51,0
"	e P	15 12(36)
"	e Pn	16 18(16)

Chief
 Dr. N. Öcal

R.Can - S.B. Üçer

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No: 13/67

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul

March 24, 1967 - March 31, 1967

March 24	e P	02 02(43)
	e	08(51)
"	i P	09 12 11,4 C
	i S	14 20,9
"	e Pn	13 53(03)
"	e Pg	20 57(32)
	e Sg	(48)
March 25	i Pg	03 57 07,5 DN
	i Sg	17,5
"	e P(n)	06 24(24)
March 26	i Pg	05 13 58,0
	i Sg	14 26,5
"	i Pg	12 40 07,5
	i Sg	22,5
March 27	<u>i P</u>	09 08 57,0 C
"	e Pg	18 40(28)
	i Sg	38,8
"	<u>i P</u>	19 58 41,3 D
March 28	i Pn	00 05 25,2
	i (Pb)	34,2
	ii Pg	38,2 C
	ii Sg	06 28,7
"	<u>i P</u>	19 44 38,9
March 29	e Pn	21 05(27)
March 30	<u>i P</u>	02 21 21,0 D
"	e Pn	13 50(46)

Chief
 Dr. N. Öcal

R. Can - S.B. Üçer

KANDILLI OBSERVATORY
 Seismological Section
 ISTANBUL TURKEY

No: 14/67
 "A"

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - Istanbul

March 31, 1967 - April 7, 1967

March 31	i Pg	02 02 24,4
	i Sg	39,4
April 1	i P(KP)	06 06 23,7 D.
"	<u>i</u> P	06 09 12,2
"	<u>i</u> P	12 35 40,6 cD
April 2	i Pg	00 30 49,2 D
	i Sg	31 08,7
"	e Pn	01 04(51)
"	i P	16 39 48,3 dC
	i S	40 35,3
"	i Sg	21 24 19,1
April 4	i Pn	02 14 54,3
	i Sg	15 27,8
"	ii P	03 47 53,3 CNW
	M _L : 3,9	Epicentral distance : 205 km.
"	i Pn	04 40 44,3
	i	41 51,8
"	e Pn	05 26(48)
"	i Pn	05 42 01,3
"	i Pg	07 06 54,2 C
	ii Sg	07 08,7
"	e Pg	08 20(19)
	i Sg	45,7

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No :14/67
 "B"

PRELIMINARY SEISMOGRAM READINGS

April 4	i Pn	09 49 13,1 D
	i Pb	16,1
	i Pg	19,6
	i Sn	42,6
	i Sg	49,1
	$M_L : 3,8$ Epicentral distance : 245 km.	
"	<u>i P</u>	17 00 48,3 D
"	i Pn	17 56 03,3
"	e Pn	18 01(26)
"	<u>i P</u>	18 07 20,0 DNW
"	e Pn	20 14 53,2
April 5	e Pg	02 47(33)
	i Sg	58,2
"	i Pg	13 38 55,2
	i Sg	39 13,3
"	e (P)	21 53 19,7
April 6	<u>i P</u>	13 01 59,2 cD
	i	02 02,2
	1.0 sec. 0.14 micron.	
"	e Pg	14 08(58)
	i Sg	09 08,0
"	i Pg	21 10 36,1 D
	i Sg	59,1
"	i Pn	23 39 57,0 C

Chief
 Dr. N. Öcal

Ref'an Can

KANDILLI OBSERVATORY
 Seismological Section
 ISTANBUL TURKEY

No: 15/67
 "A"

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul

April 7, 1967 - April 14, 1967

April 7	i Pn	17 08 52,5 D
"	i Pn	18 35 09,5 C
	Strongly felt at Maraş and Adana provinces in the southern part of Anatolia. Preliminary epicenter is probably located at 37,5N-36,5E. 91 houses destroyed.	
April 8	e Pn	15 39(06)
April 9	e Pg	01 53(31)
	i Sg	35,8
April 10	e P	00 17(06)
"	e Pn	09 45(45)
"	e P	15 21(36)
"	e P	17 07(45)
April 11	i Pg	04 35 48,8
	i Sg	36 03,3
"	i Pn	10 06 09,2
	i Sg	47,2
"	e Pn	11 18(18)
"	i Pg	19 43 13,1 D
	i Sg	34,1
"	ei Pg	21 43 07,1
	i Sg	21,6
April 12	<u>i</u> P	05 02 43,5
	1.0 sec. 0.40 micron	
"	e Pn	08 00(41)
"	e Pn	13 10(51)
"	<u>i</u> P	19 44 52,4 D

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No: 15/67
"B"

PRELIMINARY SEISMOGRAM READINGS

April 12	e Pg	22 45(06)
	i Sg	26,3
"	e Pn	23 13(40)
April 13	ei Pg	02 33 54,3
	ei Sg	34 16,3
"	i Pn	08 07 13,2 13,2
	i Pg	17,7
	i Sg	51,2
"	e Pg	08 12(19)
	i Sg	52,2
"	e Pn	09 06(13)
"	i Pg	10 34 06,0
	i Sg	19,1
"	i Pg	11 20 02,0
	i Sg	20,5
"	<u>i P</u>	20 05 45,7 CNE

Chief
Dr. N. Öcal

Ref'an Can

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No: 16/67

PRELIMINARY SEISMOGRAM READINGS
at
(ISK) Kandilli - İstanbul

April 14, 1967 - April 21, 1967
.....

April 14	i Pg	18 47 17,0
	i Sg	31,0
April 15	e Pn	13 37(54)
	i Pg	38 06,2 D
	i Sg	23,7
"	i Pn	18 35 33,6 D
	i Sg	36 05,6
"	i (P)	20 01 36,0
April 16	e Pn	09 23(50)
	i Sg	24 25,2
"	i Pg	11 07 09,5 D
	ii Sg	43,5
April 17	e Pn	21 39(41)
"	e (P)	22 07(04)
April 18	i Pg	03 06 14,0
	i Sg	28,0
"	i Pg	05 01 20,3
	i Sg	33,3
April 19	e Pg	00 14(25)
	i Sg	43,7
"	i Sg	17 06 02,3

Chief
Dr.N. Öcal

Ref'an Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No: 17/67
 "A"

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul

April 21, 1967 - April 28, 1967

April 22	e Pn	02 35(54)
"	<u>i P</u>	13 18 44,3 C
April 23	i Pg , i Sg	06 41 19,4 34,9
"	i Pg ii Sg	07 50 36,9 C 51,9
"	e Pn i Sg	18 53(02) 35,0
"	i Pn i Sg	19 15 42,0 C 16 16,0
"	i Pg i Sg	19 37 13,5 23,0
April 24	e Pn i Sg i	08 37(32) 38 07,0 39 19,5
"	e Pn i Sg	12 26(04) 36,2
"	i Pn i i Pg i Sg	15 30 39,2 40,7 46,7 31 16,2
April 25	ii Pg ii Sg	02 40 55,1 DSW 41 20,6
"	e Pn i Sg	07 50(16) 49,8
"	<u>i P</u>	10 38 40,8 CNE

T : 1 sec. 0.10 micron.

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No : 17/67
"B"

PRELIMINARY SEISMOGRAM READINGS

April 25	e Pn	11 29(29)
"	e Pn	11 31(35)
"	i Pg	22 38 47,1
	i Sg	52,9
April 26	i Sg	05 51 31,0
"	<u>i P</u>	13 22 40,7 D
"	ii Pg	20 42 44,9 CNW
	i Sg	50,9
"	e Pg	20 49(19)
	i Sg	27,4
"	e Sg	21 20(51)
"	i Pg	22 50 40,9 C
	i Sg	51 06,9
April 27	<u>i P</u>	23 22 45,5 D

Chief
Dr.N. Öcal

Ref'an Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:18/67
 "A"

PRELIMINARY SEISMOGRAM READINGS

at
 (ISK) Kandilli - İstanbul

April 28, 1967 - May 5, 1967

April 28	e Pg	17 54(11)
	i Sg	31,3
"	e Pn	19 44(09)
April 29	<u>i</u> P	04 07 51,9 CN
	T : 1 sec. 0.07 micron.	
"	i Pg	12 14 06,1
	i Sg	22,6
"	ei Pg	12 17 44,6
	i Sg	18 10,1
May 1	e Pg	02 16(20)
	i Sg	30,4
"	e Pn	02 26(56)
	i Pg	57,6
	i Sg	27 07,1
"	i Pn	07 10 31,8
	ii Sg	12 30,8
	Epicentral distance 715 km.	
"	e Pn	08 17(15)
"	e Pg	09 42(42)
	i Sg	43 01,3
"	i Pn	09 50 37,3
"	e P	14 39(34)
"	i Pn	16 13 10,2 D
	i Pb	13,2
	i Pg	16,2
	i Sg	44,2
	Epicentral distance 235 km.	
"	i Pg	21 21 39,0
	i Sg	44,0
May 2	e P	01 28(55)

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:18/67
 "B"

PRELIMINARY SEISMOGRAM READINGS

May 2	i Pn	01 01 07,3 D
	ei Pb	09,8
	i Pg	11,8 D
	ii Sg	37,3
	Epicentral distance 220 km.	
"	i Sg	16 08 22,2
"	e P	19 30(53)
May 3	i P	05 21 05,2
	i S	22 06,7
"	e Pn	14 23(30)
"	e Pn	14 31(01)
	i	32 53,8
"	e Pn	14 38(52)
"	e Pg	18 15(22)
	i Sg	56,8
"	i Pn	18 43 16,8
May 4	e Pn	04 47(47)
"	i Pg	08 03 57,0 DS
	i Sg	04 07,0
"	e Pn	13 15(11)
"	i Pn	13 32 38,9 C
"	i Pg	22 19 59,4
	i Sg	20 26,4
	Epicentral distance 220 km.	
May 5	i Pn	06 28 17,4
	i	38,9

Chief
 Dr. N. Öcal

Ref'an Can

OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:19/67
 "A"

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul
 May 5, 1967 - May 12, 1967

May 5	e Pn	14 50(53)
"	<u>i P</u> i	17 50 46,9 C 53,9
"	e Pn	21 19(21)
May 6	<u>i P</u> i S	09 57 35,9 D 58 04,4
May 7	i Pn i Pb i Pg ii Sg	00 20 44,9 49,9 54,4 21 24,4
	Epicentral distance 240km.	
"	i Sg	13 14 53,9
"	i Pn	19 43 54,5 D
May 8	<u>i P</u>	23 36 14,5 D
May 9	i Pn	02 40 53,5 D
"	i Pn ii Pg ii Sg	04 05 46,5 C 51,5 06 22,0
	Epicentral distance 255 km.	
"	i Pn	04 22 32,5
"	i Pn	04 37 32,0 C
"	<u>i P</u>	06 27 01,5 D
"	e Pn	08 02(17)
"	ei P	21 43 09,4 c
"	i Pn	23 14 19,4 C



KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No:19/67
"B"

PRELIMINARY SEISMOGRAM READINGS

May 9	e Pn	23 48(53)
	e	50(22)
May 10	i Pg	03 07 54,6
	i Sg	08 08,1
"	i Pg	03 12 58,6 D
	i Sg	13 11,5
May 11	i Pn	10 29 20,6 D
"	i P(KP)	12 57 46,1
May 12	i Pg	00 24 41,1 DS
	i Sg	50,6

Chief
Dr.N. Öcal

Ref'an Can

PRELIMINARY SEISMOGRAM READINGS
at
(ISK) Kandilli - İstanbul

May 12, 1967 - May 19, 1967
.....

May 12	<u>i</u> P	16 30 01,4 DSE
May 13	No record.	
May 14	e Pn	16 56(36)
"	i Pg	23 00 15,1
	i Sg	32,1
May 15	<u>i</u> P	02 40 04,1 cD
"	i Pn	08 14 39,0 C
	i	46,0
	i	15 16,5
May 16	e Pn	06 23(15)
"	ei Pg	15 13(29)
	e Sg	(43)
"	ei P	19 37 27,2 c
"	i Pg	23 14 27,1
	i Sg	46,1
May 17	e P	00 43
"	i Pg	02 01 55,0 CNW
	i Sg	02 06,5
	Epicentral distance 95-100 km.	
"	i Pg	02 13 56,5 CN
	i Sg	14 08,5
	Epicentral distance 95-100 km.	
"	e P	04 31(43)
"	e P	17 55(43)
"	i Pg	21 41 48,4
	i Sg	42 04,4
May 18	ei P	11 34 33,8 D
"	e Pn	15 53(22)
"	<u>i</u> P	23 51 11,8 cD

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:21/67
 "A"

PRELIMINARY SEISMOGRAM READINGS

at
 (ISK) Kandilli - İstanbul

May 19, 1967 - May 26, 1967

May 19	i Pg	01 14 29,2 D
	i Sg	49,2
"	i Pg	09 18 54,4 C
	i Sg	19 11,9
May 20	i Pn	04 00 50,7 D
"	e Pn	07 44(15)
"	e Pn	08 01(10)
"	i Pg	10 49 05,8
	i Sg	25,8
"	i Pg	13 57 19,6
	e Sg	(30)
"	ei P	21 53 49,0
"	e (P)	23 23(47)
May 21	i Pb	03 06 42,1 C
	i Pg	45,6
	i Sg	07 13,6
"	i Pg	12 12 38,9 C
	i Sg	44,9
"	i P	18 56 49,0 CSW
	i pP	57 30,5
	i S	19 06 19,4
May 22	e Pn	14 10(14)
"	i P	19 01 21,2 C
	i S	52,2

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:21/67
 "B"

PRELIMINARY SEISMOGRAM READINGS

May 22	i Pn	19 47 13,7
	i Sg	54,2
May 23	e Pn	01 29(07)
"	e P	02 04(45)
"	i Pn	09 48 39,9
	i Pg	48,9
	i Sg	49 32,9
"	e Pn	10 44(12)
	i Pg	21,8
	ii Sg	45 05,8
May 24	e (Pn)	08 48(31)
"	i (Sg)	09 06 12,9 C
"	i P	10 21 06,7 C
	i S	37,7
May 25	ii P	03 35 54,8 DSE
	Epicentral distance 180 km.	
"	i Pn	04 12 59,8
	i Sg	13 43,8
"	i Pn	05 41 39,6
	i Sg	42 23,6
"	i P	09 31 09,4 DS
	i S	53,4

Chief
 Dr.N. Ocal

Ref'an Can

10 JUL 1967

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:22/67
 "A"

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul
 May 26, 1967 - June 2, 1967

May 26	i P(n)	01 09 05,5
"	i Pn	09 21 27,3
"	e Pn	09 54(20)
"	e Pn	12 55(59)
"	e Pn	14 57(00)
"	i Pn	17 34 11,4 C
May 27	e (P)	11 45 58,4
"	i P(KP)	17 35 26,8 D
"	<u>i</u> P T: 1 sec	19 13 08,5 0,64 micron.
May 28	e Pg i Sg	03 23(16) 34,0
"	<u>i</u> P	04 14 51,0 cD
"	<u>i</u> P	17 16 57,6 D
May 29	i Pg i Sg	04 01 09,3 27,3
"	i Pg i Sg	05 41 09,4 14,9
"	<u>i</u> P	21 13 38,5 D
May 30	i Pg i Sg	10 43 36,6 D 44 09,6
"	e Pn i Sg	23 55 13,3 56 25,8

Continued

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No: 22/67
"B"

PRELIMINARY SEISMOGRAM READINGS

May 31	i P	10 18 14,5
	i S	56,0
June 1	i Pg	06 24 49,3 C
	i Sg	54,3
"	i Pn	10 40 29,8 C
	i Pg	40,8
	i Sg	41 41,8
"	i Pn	11 03 07,8
	i	04 19,8
"	ii P	11 31 46,0 DSE
	Felt by all at Prince Islands.	
	M _L : 3,7	
"	e Pn	14 56 40,8
"	i Pg	19 54 51,8 D
	i Sg	55 05,8

Chief
Dr.N.Öcal

Ref'an Can

KANDILLI OBSERVATORY
 Seismological Section
 ISTANBUL TURKEY

No:23/67
 "A"

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - Istanbul
 June 2, 1967 - June 9, 1967

June 2	e Pn	00 51(29)
"	i Pn	17 02 18,1
"	e Pn	23 05(49)
June 3	<u>i P</u>	04 44 41,9 D
	T: 0,3 sec.	0,01 micron.
"	i Pn	06 32 57,5 D
	i Pg	33 05,5 D
	i (Sb)	38,5
	ii Sg	41,0
	Epicentral distance 300 km.	
"	<u>i P</u>	09 21 09,1 D
	i	38,6
"	i Pn	11 09 28,7 D
	i Pg	38,1 D
	i Sg	10 10,2
	Epicentral distance 270 km.	
"	e Pn	13 06(05)
"	i Pn	16 28 04,5
	i Sg	29 10,0
June 4	i Sg	01 59 06,0
"	e Pg	02 19(36)
	i Sg	20 08,0
"	i Pg	03 19 13,6 DSW
	i Sg	39,6
"	<u>i P</u>	05 38 46,2 C

Continued



PRELIMINARY SEISMOGRAM READINGS

June 5	e P	01 41(06)
"	i Pg	08 35 19,7 DSW
	i Sg	45,7
	Epicentral distance 220 km.	
"	<u>i</u> P	16 50 33,5 D
"	i Pg	18 47 44,1
	i Sg	48,6
June 6	i Pg	09 44 48,7 C
	i Sg	45 08,2
"	e P	10 13(23)
"	e Pn	12 50(05)
"	ei Pg	21 00 53,6
	i Sg	01 10,6
June 7	ii Pg	13 12 14,7 CE
	ii Sg	22,2
	Epicentral distance 70 km.	
"	i Pn	14 08 16,7 C
"	e(P)	15 56(14)
"	e (L)	17 10(53)
"	e Pn	19 38(14)
"	ei Pg	21 34 53,9 C
	i Sg	35 02,9
"	i Pg	22 53 12,4 CN
	i Sg	20,4
June 8	e (P)	00 04(35)
"	e Pn	05 23(12)
"	e seismic?	08 03(50)
"	<u>i</u> P	12 15 04,2
"	e seismic?	13 47
"	e Pg	18 28(05)
	i Sg	16,8

SEISMOLOGICAL OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No: 24/67
 "A"

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul
 June 9, 1967 - June 16, 1967

Addition:		
June 8	e Pn	21 13(40)
June 9	e Pn	09 39(15)
"	i Pn	14 50 21,6
	i Pg	27,1
	i Sg	58,6
	M _L : 4,3 Epicentral distance 265 km.	
"	i Pn	20 41 50,3 D
June 10	e Pn	05 17
	Masked by microseism.	
"	i (P)	13 03 35,3
"	e (P)	15 30 (04)
	i (S)	31 26,9
"	i	20 09 25,2 C
	Local	
June 11	i Pn	05 36 25,7 D
"	i Pg	17 07 08,2
	i Sg	34,7
	M _L : 3,9 Epicentral distance 225 km,	
"	i Pg	20 58 36,4 DSE
	i Sg	45,9
June 12	i Pn	00 20 09,6 D
"	i Pn	01 30 30,1 cD
"	e (P)	02 52
	Masked by microseism.	
"	e P	05 33(43)
"	e Pn	18 14(17)
"	e P	21 29(41)

KANDILLI OBSERVATORY
 Seismological Section
 ISTANBUL TURKEY

No : 24/67
 "B"

PRELIMINARY SEISMOGRAM READINGS

June 12	i Sg	21 59 46,3
"	e Pn	21 55(48)
"	<u>i P</u>	23 34 46,0 C
June 13	i Pn	12 54 49,5 cD
	i Pg	54,5
	i Sg	55 29,5
	M_L : 4,5	Epicentral distance 295 km.
"	e Pn	13 10
June 14	<u>i P</u>	05 26 02,2 D
"	e (P)	08 17(55)
June 15	i Pn	03 08 16,1 D
"	e Pg	08 59(58)
	i Sg	09 00 08,4
"	i Pg	09 02 32,9
	i Sg	41,9
	M_L : 3,2	Epicentral distance 75 km.
"	i Pg	10 32 55,8 C
	i Sg	33 25,8
"	e Pn	14 57(41)
"	i Sg	17 49 58,3
	e Sg	50(11)
"	e Sg	19 48(16)
"	e (Sg)	20 32(19)
"	i Pg	22 54 00,8
	ii Sg	08,8
	M_L : 3,4	Epicentral distance 70 km.
"	e Sg	22 58(31)

Chief
 Dr. N. Öcal

R.Can



SERVATORY
Seismological Section
İSTANBUL TURKEY

No :25/67

PRELIMINARY SEISMOGRAM READINGS
AT
(ISK) Kandilli - İstanbul
June 16, 1967 - June 23, 1967
.....

June 17	i Pg	01 32 41,1 D
	i Sg	33 03,1
"	e Pn	05 18(25)
June 19	e (Pn)	11 59(46)
"	<u>i P</u>	14 40 10,9 dC
"	<u>i P</u>	17 20 22,9 D
"	e	19 54(44)
June 20	e Pg	02 13(16)
	i Sg	45,8
"	e (P)	07 51(24)
"	i Pn	21 41 04,6 DSW
	ii Pg	08,1
	ii Sg	32,6
	M _L : 4,3 Epicentral distance 210 km.	
June 21	i Pn	04 49 13,5 D
	i	50 13,5
"	e (P)	18 16(27)
"	ei P	18 24 44,3 C
"	e (P)	18 36(25)
June 22	i Pn	07 25 57,1 DE
	i Pg	26 04,6
	i Sg	51,1
"	e Pn	07 39(20)
"	i Pn	10 25 35,1 D
"	i Pn	12 19 46,1
	i Pg	54,1
	i Sg	20 41,1

Chief
Dr.N. Öcal

R.Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No: 26/67

PRELIMINARY SEISMOGRAM READINGS

at

(ISK) Kandilli - İstanbul

June 23, 1967 - June 30, 1967

.....

June 23	i Pn	10 07 48,6 CW
	i Pg	57,1
	ii Sg	08 54,1
	M _L : 5,2	Epicentral distance 480 km.
"	i Pg	17 59 12,6
	i Sg	16,6
	M _L : 2,7	Epicentral distance 35 km.
June 24	e Pn	19 28(14)
June 25	e (P)	23 35(45)
June 26	e Pn	05 13(02)
	i Sg	37,3
"	e Pg	06 31(50)
	i Sg	32 10,8
June 27	ei P	01 07 02,5
	i	49,0
"	e (P)	23 18(30)
June 28	e (P)	01 22(05)
"	e Pn	02 04(55)
	i Pg	05 02,4 CNW
	i Sg	44,9
"	e Pg	14 45(49)
	i Sg	46 07,3
"	i P(KP)	14 53 46,3
June 29	e Pg	05 24(28)
	i Sg	38,4
"	i Pg	11 20 10,0
	i Sg	40,0
"	e Pn	17 58(48)

R.Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

25 AUG 1967

No:27/67
 "A"

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul
 June 30, 1967 - July 7, 1967

June 30	i Pn	04 24 55,0 CN
	i Pg	25 14,5
	i Sg	58,5
	Felt at Isparta provinces in the southwestern part of Anatolia.	
"	i Pn	08 56 25,5 D
	i Sg	57 24,0
July 1	i Pg	02 15 01,6 DN
	i Sg	59,1
"	i Pn	03 25 59,6 C
"	i Pg	03 43 51,6 DS
	i Sg	44 49,6
"	e P(n)	04 26
"	<u>i P</u>	07 40 39,1 D
"	<u>i P</u>	23 22 39,1 cD
	T : 0,7 sec. 0,02 micron.	
July 2	i Pg	01 27 29,6
	i Sg	34,6
"	i Pg	06 14 49,2
	i Sg	53,7
"	<u>i P</u>	07 14 29,2 D
	i	32,7
"	e Pg	13 04(19)
	i Sg	45,2
July 3	e Pn	02 55(42)
"	e Pg	04 25(06)
	i Sg	31,3

Continued

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No : 27/67
"B"

PRELIMINARY SEISMOGRAM READINGS

July 3	i Pn	22 49 13,4 D
"	e Pn	22 56(25)
July 4	ei Pn	04 23 47,5
"	<u>i</u> P	23 53 49,2 D
	T : 0,8 sec. 0,02 mic.	
July 5	e (P)	00 55(03)
July 6	i Pn	08 22 11,7 C
	i Pg	14,7
	i Sg	33,7
	M_L : 3,4 Epicentral distance 150 km.	
"	<u>i</u> P	13 55 01,6 C
"	<u>i</u> P	19 30 44,5 D

Chief
Dr. N. Öcal

Ref'an Can

25 AUG 1967

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No:28/67

PRELIMINARY SEISMOGRAM READINGS
at
(ISK) Kandilli - İstanbul
July 7, 1967 - July 14, 1967
.....

July 7	i Pg	11 15 08,9 C
	i Sg	27,9
	M_L : 3.6 Epicentral distance 145 km.	
"	i Pg	23 40 57,2
	i Sg	41 15,2
July 8	e Sg	17 58(16)
July 9	e Pn	09 20(25)
"	i Pn	09 25 28,2
"	e (Pn)	10 34(42)
"	i Sg	11 38 38,2
"	i Pn	13 00 40,1
	i Sg	01 37,1
July 10	<u>i P</u>	12 15 32,7 C
"	e Pg	13 46(40)
	i Sg	47 11,6
July 12	e Pn	01 10(11)
"	i Sg	12 16 26,8
July 13	e Pg	14 24(02)
	ei Sg	19,8
	Masked by microseisms.	
"	i P(n)	14 40 40,8 C

Chief
Dr.N.Öcal

R.Can

25 AUG 1967

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No: 29/67

PRELIMINARY SEISMOGRAM READINGS
at
(ISK) Kandilli - İstanbul
July 14, 1967 - July 21, 1967
.....

July 16	e (Sg)	11 47(62)
July 18	i Sg	01 18 32,2
"	i Pn	22 48 53,0 D
	i Sg	49 25,0
July 19	i Pn	09 07 04,9 D
	ii Pg	14,4
	ii Sg	44,4
	M _L : 4,9 Epicentral distance 340 km. Slightly damage at Denizli province, in the southwestern part of Anatolia.	
"	e Pg	09 20 32
	ei Sg	21 00,4
July 20	i Pg	10 47 34,5 DNW
	i Sg	44,0
"	i Pg	22 39 28,5
	i Sg	40 06,0
July 21	i Pg	00 19 57,5 NW
	i Sg	20 36,0
"	i Pg	01 40 21,0
	i Sg	59,0
"	i Pg	02 10 29,5 NW
	i Sg	11 07,0

Chief
Dr.N.Ocal

Ref'an Can

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No : 30/67

PRELIMINARY SEISMOGRAM READINGS

at
(ISK) Kandilli - İstanbul

July 21, 1967 - July 28, 1967
.....

July 22 i Pg 16 08 41,0
 i Sg 09 07,5

" ii P 16 57 20,4 Main shock
 100 killed, 150 injured and 1500 houses destroyed
 at Sakarya, Hendek and Akyazi provinces. in the
 northwestern part of Anatolia.

Approximately

- 600 aftershocks from July 22, 17^h00 to July 23, 07^h19^m
- 500 aftershocks from July 23, 07^h23^m to July 24, 07^h15^m
- 388 aftershocks from July 24, 07^h18^m to July 25, 07^h15^m
- 324 aftershocks from July 25, 07^h18^m to July 26, 07^h09^m
- 157 aftershocks from July 26, 07^h13^m to July 27, 07^h14^m
- 110 aftershocks from July 27, 07^h18^m to July 28, 07^h14^m

July 26 i P 18 55 08,4 D
 T : 3 sec. 3.0 microns.
 109 killed and heavy damage at Pülümür, Tercan
 provinces in the eastern part of Anatolia.

July 27 i P 01 45 22,8 C

R.Can - G.Çöloğlu

25 AUG 1967

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No : 31/67
"A"

PRELIMINARY SEISMOGRAM READINGS
at
(ISK) Kandilli - İstanbul

July 28, 1967 - August 4, 1967
.....

July 28	i Pg	08 44 49,5	
	i Sg	45 05,0	
"	i Pg	09 08 22,5	CNW
	i Sg	37,5	
"	i Pg	09 45 23,5	CNW
	i Sg	38,0	
"	i Pg	11 54 36,0	CNW
	i Sg	54,0	
"	i Pg	13 36 43,0	CNW
	i Sg	37 02,0	
"	i P	15 02 45,0	
"	i P	17 39 04,5	D
"	i Pg	19 39 37,9	
	i Sg	54,9	
July 29	i Pg	02 24 10,4	CNW
	i Sg	27,4	
"	i Pg	06 19 47,3	CNW
	i Sg	20 02,3	
"	i Pg	09 58 40,8	
	i Sg	52,9	
"	e (P)	10 37(28)	
"	i Pg	18 36 05,9	CNW
	i Sg	21,9	

Continued

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No : 31/67
 'B'

PRELIMINARY SEISMOGRAM READINGS

July 30	i P	00 12 49,5 D
"	ii P	01 21 51,0 C
"	ii P	01 31 22,5 Damage at Akyazi-Sakarya region.
"	ii P	01 57 39,5
"	ii Pg ii Sg	02 26 30,0 CNW 44,5
"	i Pg i Sg	04 13 54,1 14 00,1
"	ii P	05 15 18,0
"	i Pg i Sg	05 53 22,6 CNW 37,1
"	ii P	06 00 25,6
"	i Pg i Sg	07 09 11,1 CNW 26,6
"	ii Pg ii Sg	10 21 35,7 CNW 50,7
"	ii Pg ii Sg	10 25 30,2 CNW 45,1
"	i Pg i Sg	16 14 49,8 CNW 15 05,8
"	ii Pg ii Sg	18 59 04,3 CNW 19,3
"	ii Pg ii Sg	19 06 07,8 CNW 22,8

Continued

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No : 31/67
 'C'

PRELIMINARY SEISMOGRAM READINGS

July 30	i Pg	22 44 12,4	CNW
	i Sg	27,4	
July 31	i Pn	04 48 16,5	
	i Pg	20,5	
	ii Sg	32,5	
"	i Pg	18 25 04,2	CNW
	i SSg	20,2	
"	i Pg	19 51 50,2	
	i Sg	52 05,2	
"	e (P)	23 08 04,8	
August 1	ii P	00 18 51,9	DSE
"	ii P	01 05 28,9	DSE
"	i Pg	02 05 07,4	CNW
	i Sg	22,4	
"	i Pg	03 48 46,0	DSE
	i Sg	49 00,5	
"	e (P)	09 25 (19)	
"	i Pg	15 22 40,5	CNW
	i Sg	59,5	
"	i Pg	18 24 30,5	DSE
	i Sg	45,0	
"	i Pg	18 52 03,0	DSE
	i Sg	17,5	
August 2	i P	00 56 24,1	dc
"	i Pg	02 39 29,5	CNW
	i Sg	45,1	

Continued

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No : 31/67
 'D'

PRELIMINARY SEISMOGRAM READINGS

August 2	i Pg	08 03 34,7 DSE
	i Sg	49,2
"	ii Pg	09 15 26,2 DSE
	ii Sg	41,2
"	e (P)	11 13(36)
"	e (P)	14 13(07)
"	ii P	15 33 41,2
"	i Pg	15 45 49,2 CNW
	i Sg	46 04,2
"	ii Pg	17 56 33,3 DSE
	ii Sg	49,3
"	i Pg	23 28 34,8 DSE
	i Sg	52,3
August 3	i Pg	03 13 59,4 DSE
	ii Sg	14 14,9
"	i Pn	06 49 30,9
	i Pb	32,9
	ii Sg	43,3
"	ii Pg	07 27 16,9 CNW
	ii Sg	30,4
"	ii Pg	07 28 33,4 CNW
	ii Sg	46,4
"	i Pg	11 08 40,5
	i Sg	56,5
"	i Pg	15 49 49,5
	i Sg	50 04,5

Continued

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No: 31/67
'E'

PRELIMINARY SEISMOGRAM READINGS

August 3	i Pg	19 20 42,1 CNW
	i Sg	57,6
August 4	i Pg	01 46 02,2
	i Sg	17,2
"	i Pg	01 47 09,7
	i Sg	24,7
"	i Pg	05 57 33,8
	i Sg	57,3
"	i Pn	06 09 02,3 D
	i Sg	10 07,8

Chief
Dr.N.Ocal

Ref'an Can

25 AUG 1967

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No : 32/67
 'A'

PRELIMINARY SEISMOGRAM READINGS

at

(ISK) Kandilli - İstanbul

August 4, 1967 - August 11, 1967

August 4	i Pg	09 31 34,9	
	i Sg	(0,9	
"	ii Pg	09 32 13,4	
	ii Sg	23,4	
"	i Pg	11 11 38,9	
	ii Sg	55,9	
"	e (Pn)	14 58(14)	
	Masked by microseisms.		
"	i Pg	23 04 13,0	CNW
	ii Sg	26,0	
"	ii Pg	23 04 55,5	
	ii Sg	05 09,5	
"	i Pg	23 16 06,5	
	i Sg	22,5	
August 5	ii Pg	04 39 25,4	CNW
"	i Pg	08 07 47,1	CNW
	ii Sg	08 03,6	
"	i Pg	10 30 06,6	CNW
	i Sg	19,1	
"	i Pg	12 22 36,2	CNW
	i Sg	47,2	
"	i Pg	14 58 47,3	CNW
	i Sg	59 03,3	

Continued

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No : 32/67
 'B'

PRELIMINARY SEISMOGRAM READINGS

August	e Pn	14 36(20)
	i Pg	24,8
	ii Sg	38,8
"	ii P	14 09 41,3 DSE
"	i Pg	20 43 16,4
	i Sg	33,4
"	i Pg	21 34 26,9 DSE
	ii Sg	41,9
"	e Pn	23 36(17)
August 7	i Pg	00 12 37,2 CNW
	i Sg	53,2
"	ii P	06 53 09,9
"	ii P	07 02 42,4 CNW
"	ii P	09 24 44,9
"	ii P	23 47 31,3 D
August 8	i Pn	02 01 41,9 D
	i (Sg)	02 36,9
"	ii P	04 36 55,4 DSE
"	ii P	04 39 10,4
"	i Pn	11 00 26,6 dC
	i	39,1
"	i Pg	15 48 27,7
	i Sg	42,7

Continued

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No : 32/67
'C'

PRELIMINARY SEISMOGRAM READINGS

August 8	e	24 34(12)
	i P(n)	23,0 C
	i S(g)	35 20,0
August 9	i Pg	20 28 31,3 C
	i Sg	36,8
August 10	i Pg	00 19 41,7 CNW
	i Sg	59,7
"	i P	11 33 24,5 D
August 11	ii P	00 58 03,0 DSE

Chief
Dr.N.Öcal

Ref'an Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:33/67
 'A'

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul
 August 11, 1967 - August 18, 1967

August 11	i Pg	11 04 21,8
	i Sg	35,3
August 12	i P	09 59 22,5 C
	T:0,4 sec.	0,03 mic.
No record from 14 ^h 00 till 11 ^h 51 ^m of August 13.		
August 13	i Pg	12 12 27,3
	ii Sg	41,8
"	i P	20 18 10,5 CNE
	i (S)	27 36,0
	T:1,0 sec.	0,15 mic.
"	i Pg	20 48 43,3
	i Sg	58,3
"	i P	22 12 42,5 dc
	T:0,6 sec.	0,02 mic.
August 14	ii Pg	01 46 13,0 CNW
	ii Sg	27,0
"	i P	02 44 43,0 C
"	i Pg	06 08 31,6
	ii Sg	45,6
"	i Pg	07 36 32,6
	ii Sg	51,6
"	ii Pg	11 34 36,6
	ii Sg	50,6

Continued

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No:33/67
'B'

PRELIMINARY SEISMOGRAM READINGS

August 14	ii P	20 09 43,8	CNW
August 15	i P	05 24 11,9	
"	e (P)	09 30(10)	
August 16	i P(n)	10 19 14,1	
"	i P	19 30 33,0	DN
	i	52,5	
	T:0,5 sec. 0,032 mic.		

Chief
Dr.N.Öcal

Ref'an Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:34/67

'A'

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul

August 18, 1967 - August 25, 1967

August 18	i Pn	03 25 30,8	
	i Pg	32,8	
	i Sg	50,8	
"	i Pg	08 41 41,5	
	i Sg	57,0	
"	e Pn	14 11(37)	
"	i Pn	14 44 53,9	
"	ii Pg	19 49 43,8	CNW
	ii Sg	58,8	
August 20	i P	02 09 18,0	D
"	i Pg	02 31 35,5	D
	i Sg	51,5	
"	i Pn	14 48 05,3	D
	i Pg	06,8	
	i Sg	16,8	
August 21	i P	07 44 08,7	C
	i	12,2	
	i S	53 17,2	
August 22	i Pg	16 19 56,6	CNW
	i Sg	10,6	
August 23	i Pn	02 32 36,8	

Continued

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No:34/67
'B'

PRELIMINARY SEISMOGRAM READINGS

August 24	i Pn	00 56 15,8
	i Pg	26,3
	i Sg	36,3
"	i Pn	12 06 59,3 D
	i Sg	08 20,8
"	i Pg	15 18 26,3 DSE
	i Sg	41,8
"	i Pg	19 18 16,2 CNW
	i Sg	33,2

Chief
Dr. N. Öcal

Ref'an Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:35/67
 'A'

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul
 August 25, 1967 - September 1, 1967

August 25	ii Pg	09 45 10,0 CNW
	ii Sg	24,0
"	i Pg	20 23 56,4 DSE
	i Sg	10,4
August 26	e (P)	00 50(14)
"	ii Pg	05 30 23,4
"	e Pn	06 45(01)
"	e Pg	08 26(13)
	i Sg	32,3
"	i Pg	09 37 53,3 DSE
	i Sg	38 10,3
"	e Pn	14 18(56)
	i Pg	19 06,4 D
	i Sg	54,4
"	i Pg	15 35 49,4 DSE
	i Sg	36 03,4
"	i Pg	15 48 45,4 CNW
	i Sg	53,4
August 27	i Pg	03 05 41,5
	i Sg	52,5
"	i Pn	08 15 24,5 C
"	e Pn	19 32(28)
	i	53,1

Continued

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No: 35/67
 'B'

PRELIMINARY SEISMOGRAM READINGS

August 28	ei Pn	03 40 15,1	
	i Sg	52,6	
"	i Pg	09 09 40,7	CN
	i Sg	56,7	
"	i P	17 37 51,1	DN
"	e Pg	21 01 12,5	
	i Sg	28,5	
"	i Pg	22 11 38,5	CS
	i Sg	52,5	
"	i Pg	24 04 45,5	
	i Sg	58,5	
"	i P	24 57 55,5	cD
	i S	58 44,5	
August 29	i Pg	05 47 13,5	CS
	e Sg	(25)	
"	i Pg	08 11 22,5	C
	i Sg	37,0	
"	i Pg	09 47 48,5	DSW
	i Sg	48 02	
"	i Pn	12 42 02,9	C
	i Pg	19,4	
	i Sg	43,4	
"	i Pg	24 43 25,2	CNW
	i Sg	40,2	
August 30	i Pg	02 46 38,2	
	e Sg	(48)	

Continued

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No: 35/67
'C'

PRELIMINARY SEISMOGRAM READINGS

August 30	i . P(KP)	04 46 47,1 D
"	i Pg	10 36 01,0
	i Sg	23,0
"	i P	11 18 31,0 C
"	i Pg	23 02 00,7
	i Sg	16,7
August 31	i P	19 12 39,0 C

Chief
Dr. N. Öcal

Ref'an Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No: 36/67
 'A'

PRELIMINARY SEISMOGRAM READINGS
 at

(ISK) Kandilli - İstanbul

August 31, 1967 - September 8, 1967

August 31	i Pg	21 05 53,8 D	
	e Sg	06(01)	
"	i Pg	21 30 12,3 DSE	
	i Sg	22,3	
"	i Pg	22 27 14,7 G	
	i Sg	29,7	
September 1	i Pg	14 59 15,1 CNW	
	i Sg	28,6	
September 2	i Pg	04 21 03,1 CNE	
	i Sg	14,6	
"	i Pg	05 43 05,1	
	i Sg	19,1	
"	i Pg	15 09 32,2	
	i Sg	46,7	
"	i Pg	17 14 46,7 CSE	
	e Sg	(58)	
September 3	i Pg	03 33 47,3 CNW	
	i Sg	58,3	
"	i Pg	05 37 02,9 CNW	
	i Sg	19,4	
"	i Pg	16 43 43,0 C	
	i Sg	44 04,5	
"	e P	20 26(14)	Continued

KANDILLI OBSERVATORY
 Seismological Service
 İSTANBUL TURKEY

No:36/67
 'B'

PRELIMINARY SEISMOGRAM READINGS

September 4	e (P)	04 11(21)
	i	33,6
"	i Pn	20 18 42,3
	i Pg	45,3 DS
	i Sg	19 08,8
September 5	ii P	03 30 24,3 S
"	ii P	04 02 27,8 N
"	e P	04 28(48)
"	i Pn	08 32 07,3 C
	i Sg	57,8
	i L	33 22,8
"	i Pg	09 28 08,8 D
	i Sg	26,8
"	i Pg	12 06 45,8
	i Sg	59,3
"	i Pn	13 24 59,9
	i L	26 06,4
"	i Pn	17 52 15,4
	i Sg	50,4
"	i Pg	19 26 21,4 CSW
	i Sg	36,9
"	ei Pn	23 48 05
	i Pg	06,5 DW
	i Sg	58,5
"	i Pn	23 57 24,0 D
	i Pg	27,5 DSW
	i Sg	53,0

Continued

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No:36/67
'C'

PRELIMINARY SEISMOGRAM READINGS

September 6	i Pg	01 14 12,0 CSW
	i Sg	28,0
"	ei Pn	01 37 23,0
	i Sg	38 12,0
"	i Pn	05 01 16,6 C
"	i P	07 40 23,6 DW
"	i Pg	09 01 46,1 DSW
	i Sg	02 00,6
"	i Pn	13 59 07,6 CE
	i Sg	45,6
"	i Pg	15 21 31,6 CE
	i Sg	45,6
September 7	i Pn	00 59 21,7 C
"	i Pg	10 23 42,2 D
	i Sg	58,2
"	i Pn	13 03 31,3 C
"	i Pg	13 51 49,8 C
	i Sg	52 00,8
September 8	i Pn	02 06 27,4 DNW
	i Sg	07 41,4

chief
Dr. N. Öcal

Ref'an Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No: 37/67
 'A'

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul
 September 8, 1967 - September 15, 1967

September 8	i Pn	05 12 49,4	
"	i Pn	07 21 55,4	G
"	i Pg	12 19 48,4	
	i Sg	59,4	
"	i Pg	14 27 21,4	C
	i Sg	31,9	
September 9	i Pg	19 33 10,8	CNW
	i Sg	25,3	
September 10	i Pn	01 28 56,9	D
	i Sg	29 27,4	
"	i Pg	08 32 06,0	DSE
	i Sg	19,0	
"	i Pg	18 20 48,6	CNW
	i Sg	21 03,6	
September 11	i Pg	08 41 41,8	CNW
	i Sg	57,3	
"	i Pg	21 18 03,6	DSE
	i Sg	20,1	
"	i Pg	23 16 35,5	C
	i Sg	50,5	
September 12	i Pn	02 27 38,0	CNW
"	e Pn	13 34(21)	Continued

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No:37/67
'B'

PRELIMINARY SEISMOGRAM READINGS

September 12	e Pn	13 34(21)
"	i Pn	14 48 15,4 D
September 13	i Pg	01 39 25,7 D
	i Sg	44,2
"	i Pg	03 29 01,2 D
	i Sg	20,2
"	i Pg	06 10 31,2 DSE
	i Sg	41,2
September 14	i Pg	16 43 57,6
	i Sg	44 13,1
"	i P	14 55 14,6
September 15	e P	00 40(50)

Chief
Dr.N.Öcal

Ref'an Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:38/67
 'A'

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul
 September 15, 1967 - September 22, 1967

September 15	<u>i P</u>	10 41 59,1 cDE
"	i Pn	20 03 03,4 D
	i Sg	40,4
September 16	<u>i P</u>	00 09 12,5 D
"	i Pg	03 00 58,6 D
	i Sg	01 12,6
"	<u>i P</u>	04 10 53,7 cD
"	i Pg	14 05 40,7
	i Sg	43,7
"	i Pn	16 47 10,7 CNE
	i Pg	14,2
	i Sg	38,7
"	i Pn	18 09 46,2 D
	i Pg	49,7 DSW
	i Sg	10 13,2
"	ei Pg	20 38 14,2
	i Sg	27,2
September 17	i Pg	07 39 01,0 D
	i Sg	15,5
"	i Pg	09 48 26,0 C
	i Sg	41,5
"	i Pg	16 16 25,4
	i Sg	35,9

continued

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No:38/67
'B'

PRELIMINARY SEISMOGRAM READINGS

September 17	i Pg	18 32 57,4 CNW
	i Sg	33 10,9
September 18	ii Pg	11 39 26,2 CNW
	ii Sg	39,2
	Felt at İstanbul.	
September 19	i Pg	09 18 36,6 DSE
	i Sg	19 00,1
"	<u>i P</u>	11 08 03,1 D
September 20	<u>i P</u>	09 58 55,9 D
	T:1,2 sec	0,15 mic.
"	<u>i P</u>	10 50 35,8
"	<u>ii P</u>	15 46 11,7 CNW
	Felt at İstanbul.	

Chief
Dr.N.Öcal

Ref'an Can

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

39
No: 40/67
'A'

PRELIMINARY SEISMOGRAM READINGS
at
(ISK) Kandilli - İstanbul
September 22, 1967 - September 29, 1967
.....

September 22	i Pg	19 10 07,4	
	i Sg	20,9	
September 23	i Pn	06 16 44,3	
	i Pg	46,3	
	i Sg	57,3	
"	e P	08 15(25)	
"	i Pg	12 00 23,2	
	i Sg	38,7	
September 24	i Pg	00 03 44,6	
	i Sg	59,1	
"	i Pg	17 24 24,7 CNW	
	i Sg	40,2	
"	i Pn	21 13 02,3	
"	i Pn	22 51 15,2 C	
September 25	i Pg	01 48 40,7 CN	
	i Sg	49 07,7	
September 26	i Pg	03 09 19,6 G	
	i Sg	31,1	
"	i Pn	05 07 04,6 C	
"	i Pn	13 42 12,5	
	i Pg	15,5	
	i Sg	24,5	

Continued

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

39
No: 40/67
'B'

PRELIMINARY SEISMOGRAM READINGS

September 26	e (P)	16 30(27)
"	i Pg	20 37 05,3
	i Sg	18,8
"	i Pg	24 43 55,7 DSE
	ii Sg	44 11,7
September 27	i Pn	07 26 14,0 C
"	i Pg	23 09 45,8
	i Sg	10 04,3
September 28	ei Pg	00 53 53,3
	i Sg	54 15,3
"	e Pn	01 37(50)
"	i Pg	02 51 58,8
	i Sg	52 09,3
"	e Pn	03 00 54,3
"	<u>i</u> P	05 15 42,4 D
"	e P	15 57(03)
September 29	i Pg	02 04 52,9 DSE
	i Sg	05 08,9

Chief
Dr.N.Öcal

Ref'an Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:40/67
 'A'

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul
 September 29, 1967 - October 6, 1967

September 29	i Pg	11 11 15,0	CNW
	ii Sg	28,5	
September 30	i Pg	08 22 24,5	
	ii Sg	27,0	
"	i Pg	22 55 42,5	CNW
	i Sg	56 01,5	
October 1	ii Pg	15 27 00,0	
	ii Sg	17,0	
October 2	i Pg	14 57 26,6	
	i Sg	42,6	
"	e (P)	13 36(41)	
October 3	i Pn	00 08 05,6	
	i Pg	07,1	
	i Sg	21,1	
"	i Pg	05 41 11,6	DSE
	i Sg	24,1	
"	i Pg	06 19 38,1	DS
	i Sg	50,1	
"	i Pg	06 39 25,1	CN
	i Sg	40,1	
"	i Pg	09 53 14,1	DE
	i Sg	26,6	

Continued

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No:40/67
'B'

PRELIMINARY SEISMOGRAM READINGS

October 3	i Pn	13 13 03,1 DSE
	i Sg	53,6
"	i Pg	15 26 19,1 CSW
	i Sg	35,1
"	ei Pg	19 16 13,1
	i Sg	29,1
October 4	i Pn	10 18 57,6
"	e Pn	17 40 12
October 5	i Pg	02 24 25,1 CNW
	i Sg	41,6
"	<u>i P</u>	12 02 41,0 CSW
	T:0.5 sec.	0,03mic.

Chief
Dr.N.Öcal

Ref'an Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:41/67
 'A'

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul

October 6, 1967 - October 13, 1967

October 6	i Pg	20 54 18,0	
	i Sg		32,5
October 8	i Pg	10 11 04,4	DSE
	i Sg		10,9
"	i Pg	14 33 21,9	CW
	ii Sg		34,4
"	i Pg	15 47 08,4	
	i Sg		32,9
"	i Pg	19 10 26,9	DE
	i Sg		36,4
October 9	i Pg	12 23 17,8	
	i Sg		31,8
"	i Pg	13 14 13,8	
	i Sg		28,3
"	i Pg	14 45 02,3	
	i Sg		18,3
"	i Pg	15 14 40,3	
	i Sg		54,8
"	i P	17 40 21,3	DSW
	i		26,3 CNE
	i S		42 45,8
"	i Pn	19 26 42,3	
	i Sg		27 29,8

Continued

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:41/67
 'B'

PRELIMINARY SEISMOGRAM READINGS

October 9	i Pn	19 30 21,3	
	i Sg	31 06,8	
October 10	i Pn	02 28 57,7	
	i Sg	29 27,8	
"	e Pg	02 21(05)	
	i Sg	19,8	
"	e Pn	05 41 04,8	
	Masked by microseisms.		
"	i Pg	12 01 22,7	CNW
	ii Sg	35,7	
"	i Pn	16 05 13,5	
	i Pg	20,5	
	i Sg	49,5	
October 11	i Pg	04 30 15,6	
	i Sg	30,6	
"	i P	07 50 28,0	
"	i	18 02 58,7	
	Local.		
October 12	i Pg	01 57 27,1	
	i Sg	40,6	
"	e	06 53(39)	
	i P	44,4	
"	e Pg	10 06(01)	
	i Sg	19,5	
"	i Sg	10 56 24,0	
"	i P	13 04 40,0	D

R.Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:42/67
 'A'

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul
 October 13, 1967 - October 20, 1967

October 12	i Pg	18 29 46,1	
	ii Sg	30 00,6	
October 13	i Pg	01 39 38,2	
	i Sg	53,2	
"	e Pn	15 31(46)	
October 14	i Pg	09 43 06,3 D	
	i Sg	21,3	
"	i Pg	09 45 05,8 C	
	i Sg	30,8	
"	i Pg	13 16 42,3 DSE	
	ii Sg	56,8	
October 15	e Pg	02 25(58)	
"	e P	08 14(19)	
	i L	18 27,8	
"	e Pg	09 18(34)	
	i Sg	54,8	
"	e (P)	23 22(57)	
"	e Pg	23 50(05)	
	i Sg	17,8	
October 16	e P	17 11(13)	
"	i Pg	18 56 54,8	
	i Sg	57 06,8	Continued

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:42/67
 'B'

PRELIMINARY SEISMOGRAM READINGS

October 16	e Pg	20 14(34)
	i Sg	47,3
"	e P	20 27(54)
October 17	i P	05 10 54,8 C
	i S	12 14,3
"	e Pn	12 09(19)
"	i P	21 17 35,8 D
October 18	i P	01 19 19,3 CS
"	e Pn	05 24(41)
"	i Pg	07 55 26,3 D
	i Sg	41,3
"	e Pg	11 29(08)
	e Sg	(27)
"	i Pn	13 32 20,3
"	i Pn	14 08 07,3 C
"	i Pg	14 38 34,8 C
	i Sg	49,8
"	i Pg	22 40 57,8 C
	i Sg	14,8
October 19	i Pg	08 21 11,3 C
	i Sg	28,8
"	e (P)	15 00(19)
	Masked by microseisms.	
"	i Pg	21 21 24,4 CS
	i Sg	39,9

R.Can

KANDILLI OBSERVATORY
 Seismological Section
 ISTANBUL TURKEY

No: 43/67
 'A'

PRELIMINARY SEISMOGRAM READINGS
 AT
 (ISK) Kandilli - İstanbul
 October 20, 1967 - October 27, 1967

October 20	i Pg	05 20 07,5	
	i Sg	21,0	
October 21	i P	04 59 15,7	
"	i Pn	05 06 50,7	CSW
	i Sg	07 45,7	
October 22	i Pg	07 02 49,8	DNE
	i Sg	03 05,3	
"	i Pg	13 20 29,0	D
	i Sg	45,5	
"	i Pg	14 05 20,0	CNE
	i Sg	30,0	
"	i Pg	21 37 02,6	CSW
	i Sg	11,6	
October 23	i Pg	11 52 09,5	CNW
	i Sg	23,0	
"	i Pg	11 58 45,0	CNW
	i Sg	59,0	
"	ei Pg	13 58 42	
	e Sg	(57)	
"	i Pg	16 33 09,1	
	ei Sg	24,7	
October 24	e Pn	06 16(17)	
"	e Pg	08 04(47)	
	i Sg	05 11,9	
"	i	08 08 56,9	
	Local		

KANDILLI OBSERVATORY
 Seismological Section
 ISTANBUL TURKEY

No:43/67
 'B'

PRELIMINARY SEISMOGRAM READINGS

October 24	i P	11 03 13,0 C
"	i Pg	12 17 35,0
	i Sg	43,5
"	e Pg	15 27(23)
	i Sg	37,5
October 25	i P	01 56 07,7 CN
"	ei Pn	11 18 46,5 D
	i Sg	19 28,5
"	i Pn	11 58 26,0 DNW
	i Pg	27,0
	ei Sg	59 09,5
October 26	e P	00 34(07)
"	e Pn	04 56 34,7
	i Pg	45,7
	ii Sg	57 39,7
"	i Pn	14 22 56,0
"	e P	17 35(22)
"	e Pn	17 54(22)
October 27	i Pn	04 49 06,9
	i Pg	10,9
	ii Sg	26,4

Chief
 Dr.N.Öcal

Ref'an Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:44-45/67
 'A'

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - Istanbul
 October 27, 1967 - November 10, 1967

October 27	i Pn	00 01 06,1 CSW
	i Sg	02 00,1
"	ei P	20 53 17,9
October 28	i Pg	01 46 11,4 DSE
	i Sg	28,4
"	e Pg	14 31(04)
	i Sg	21,0
"	ei Pg	23 48 13,9
	ei Sg	30,9
October 29	i Pg	01 12 00,9
	i Sg	16,4
"	i Pg	04 57 15,8
	i Sg	58 00,8
"	i Pg	23 09 05,1 CSW
	i Sg	22,6
October 30	i P	00 10 58,5 C
	i S	12 14,0
"	i Pn	07 27 40,0 C
"	i Pg	16 07 12,7 DNE
	i Sg	28,7
"	ei Pg	17 24 15,2
	i Sg	30,2
October 31	ei Pg	01 41 03,5
	i Sg	10,5
"	ei(P)	12 25 09,6
	Masked by the traces.	

Continued

KANDILLI OBSERVATORY
 Seismological Section
 ISTANBUL TURKEY

No:44-45/67
 'B'

PRELIMINARY SEISMOGRAM READINGS

October 31	e Pg	20 22(28)
	i Sg	44,4
"	i Pn	21 10 54,4 D
November 1	e (P)	15 19(34)
"	ei Pg	18 25 16,7
	i Sg	30,7
"	ei Pg	23 37 58,5
	i Sg	38 20,5
November 2	e Pg	02 10(46)
	ei Sg	11 01,3
"	ei Pg	18 19 26,8
	i Sg	40,3
November 3	ei Pn	17 57 30,3
"	i Pg	22 24 55,2 C
	i Sg	25 09,7
"	ei Pg	22 37 14,7
	i Sg	31,7
November 4	i P	05 19 02,9 D
"	i Pg	05 30 44,4 C
	i Sg	31 00
"	i Pg	08 09 02,8
	i Sg	25,8
"	i P	10 35 51,8 D
	i	55,3
"	i P	13 38 56,3 C
"	i P	14 42 33,3 D
"	e P	14 44 58,6

Continued

KANDILLI OBSERVATORY
Seismological Service
İSTANBUL TURKEY

No:44-45/67
'C'

PRELIMINARY SEISMOGRAM READINGS

November 5	i Pg	03 47 05,6	
	i Sg	21,1	
"	i Pg	09 54 29,4 C	
	i Sg	44,9	
November 6	e Pn	10 34(38)	
"	ei Pn	21 37(09)	
November 7	i P	04 00 59,8 C	
"	ei Pg	04 50 40,3	
	i Sg	55,8	
"	ii Pg	08 03 50,4 D	
	ii Sg	04 05,4	
"	i Pg	11 01 59,4	
	i Sg	02 14,4	
"	e Pn	11 35(26)	
"	e Pg	13 49(48)	
	i Sg	50 04,9	
"	ei Pg	14 03 59,9	
	i Sg	04 11,4	
"	e Pn	14 24(31)	
	i Sg	25 11,9	
"	e Pg	14 27(59)	
	e Sg	28(11)	
"	e Pg	16 54(21)	
	i Sg	36,9	
November 8	ii Pg	12 45 07,6 DSE	
	ii Sg	22,1	
"	e Pg	15 02 00	
	e Sg	(15)	Continued

KANDILLI OBSERVATORY
 Seismological Section
 ISTANBUL TURKEY

No:44-45/67
 'D'

PRELIMINARY SEISMOGRAM READINGS

November 8	i Pg	14 48 59,1
	i Sg	49 14,1
"	i Pg	17 56 00,6 DSE
	ii Sg	15,1
"	ei P	17 35 06 C
	i S	36 59,1
"	i Pg	19 36 30,6
	i Sg	45,6
November 9	i Pn	10 11 00
"	ei Pn	10 13 24,4
	i Sg	14 42,4
"	ei Pn	14 50 07,5
"	i P(n)	17 37 06,3
"	e P	18 31(19)

Chief
 Dr.N. Öcal

Ref'an Can

24 NOV 1967

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No:46/67
'A'

PRELIMINARY SEISMOGRAM READINGS
at
(ISK) Kandilli - Istanbul
November 10, 1967 - November 17, 1967
.....

November 10	i Pg	09 43 36,0 DSE
	i Sg	55,0
"	i Pn	16 09 05,1 C
	i Sg	27,7
"	ei Pg	16 09 56
	e Sg	10(05)
"	i Pg	16 14 21,2
	i Sg	39,2
"	e (P)	16 51(07)
"	i Sg	18 14 44,8
"	e P	18 48(48)
November 11	i Pn	02 20 09,5 D
"	i Pg	02 48 16,5 CNW
	ii Sg	35,0
"	e (P)	03 17(22)
"	e Pg	04 03 (44)
	i Sg	04 02,5
"	e P(n)	05 32(17)
"	i Pg	11 48 18,2
	i Sg	34,2
"	e (P)	12 06 00
"	e P(KP)	12 40(05)
"	e Pg	13 17(30)
	i Sg	46,2

Continued

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:46/67
 'B'

PRELIMINARY SEISMOGRAM READINGS

November 11	i Pn	15 37 04,8 C
	i Sg	26,8
"	i Pg	21 47 05,5 CNW
	ii Sg	17,0
"	i Pn	23 17 13,00 C
November 12	ei Pg	07 55 30,8
	i Sg	41,2
"	i PKP	10 56 40,4
"	i Pn	16 13 35,0 C
	i Sg	14 19,0
November 13	i Pn	06 51 21,5
	i Pg	31,5
	ii Sg	52 09,5
"	i Pn	08 28 58,0
"	e Pg	10 56(10)
	e Sg	(24)
"	e Pg	12 24(40)
	i Sg	54,7
"	e Pn	13 37(16)
"	e Pn	13 54(22)
"	e Pg	14 00(57)
	i Sg	01 13,3
November 14	e Pn	09 51(13)
November 15	e Pg	02 12(16)
	i Sg	32,1
"	e P	19 40(30)
"	e P	21 50(33)
"	e P	22 02(13)

Continued

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:46/67
 'C'

PRELIMINARY SEISMOGRAM READINGS

November 16	i Pn	13 44 54,1 D
"	i Pg	15 23 51,8 CN
	i Sg	56,3
"	e Pg	15 44(15)
	i Sg	41,3
"	i Pg	16 09 49,8 CNW
	ii Sg	10 07,8
"	e Pg	23 40(06)
	i Sg	18,6
November 17	i Pn	00 07 43,7
	i Pg	45,2
	i Sg	08 00,2
"	e Pg	00 41(16)
	e Sg	(31)
"	i Pg	02 53 13,7
	i Sg	28,7
"	e P(KP)	05 09 00
"	e Pg	06 23(10)
	e Sg	(25)
"	i Pg	06 29 20,9
	i Sg	35,9

Chief
 Dr.N.Öcal

Ref'an Can

16 JAN 1968

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No:47/67
'A'

PRELIMINARY SEISMOGRAM READINGS
at

(ISK) Kandilli - İstanbul

November 17, 1967 - November 24, 1967
.....

November 17	i Pn	08 49 29,0
	i Pg	31,5
	i Sg	44,0
"	i Pn	12 32 22,1
"	i Pn	21 39 07,4
	i Sg	29,9
November 18	i Pn	02 32 25,6
"	i Pg	08 15 04,8 D
	i Sg	16,0
"	i Pg	11 25 05,7
	i Sg	31,2
"	i Pg	18 06 50,1
	i Sg	07 03,1
November 19	i P(KP)	12 19 11,9 D
	e P	17 49 47,4
November 20	ei Pg	00 07 36,8
	i Sg	55,8
"	i Pg	01 08 02,3 C
	i Sg	17,3
"	i Pn	09 42 43,7 C
	i Sg	43 28,2
"	i Pg	20 59 51,9
	i Sg	21 00 05,9
November 22	e P	01 13 32
"	ii Pg	03 12 50,3 CSE
	ii Sg	13 13,3

Continued

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No:47/67
'B'

PRELIMINARY SEISMOGRAM READINGS

November 22	ei Pn	17 48 37,5
	i Sg	49 39,0
November 23	i Pg	02 03 48,9
	i Sg	04 00,4
"	ei P	08 42 31,8
"	i P	13 48 45,6 DN
	i S	50 24,1

Chief
Dr. N. Öcal

R. Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:48/67
 'A'

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul
 November 24, 1967 - December 1, 1967

November 24	ei Pg	11 46 21,1
	i Sg	34,6
"	ei Pg	21 53 23,3
	i Sg	37,8
"	i Pg	23 00 34,2
	i Sg	47,7
November 25	i Pg	06 19 44,0
	i Sg	56,5
November 26	<u>i</u> P	00 20 14,8
	T : 0,6 sec.	0,025 mic.
"	i Pg	02 22 21,2
	i Sg	39,2
"	<u>i</u> P	03 06 52,7 cD
	T : 0,6 sec.	0,027 mic.
"	<u>i</u> P	03 26 36,2 D
"	i Pg	23 06 15,0
	i Sg	32,0
November 27	i Pg	02 51 26,4 cDSE
	i Sg	44,9
"	i Pg	08 42 49,8 DSE
	ii Sg	43 02,8
"	<u>i</u> P	18 11 06,7 CN
"	i Pn	18 13 03,7 C
	i Sg	32,2
"	i Pg	19 32 23,7 cDW
	i Sg	39,2

Continued

KANDILLI OBSERVATORY
 Seismological Section
 ISTANBUL TURKEY

No:48/67
 'B'

PRELIMINARY SEISMOGRAM READINGS

November 27	i	Pn	19 56 15,7 C
	i	Sg	37,2
"	e	P	21 46(37)
"	i	Sg	23 01 22,8
November 28	e	PKP	02 48(38)
"	i	Pn	04 56 00,5
"	e	Pn	09 07(36)
"	i	Pg	09 10 43,7 CNW
	ii	Sg	54,2
"	e	Pn	15 24(55)
"	i	Pn	22 13 03,5
November 29	i	Sg	09 52 36,0
November 30	o		07 25 25,6
	i	Pn	27,6 C
"	e	Pn	07 44(26)
"	e	Pn	09 58(31)
"	e	Pn	10 55(24)
	i	Sg	56 19,6
"	e	Pn	10 55(24)
	i	Sg	56 19,6
"	e	Pn	11 59(19)
"	e	Pn	13 21(04)
"	<u>i</u>	<u>P</u>	16 06 18,6
December 1	i	Pn	02 25 33,8
"	i	Pg	05 34 53,3
	i	Sg	35 08,8

Dr.N.Ocal

R.Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:49/67
 'A'

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul
 December 1, 1967 - December 8, 1967

December 1	e Pn	08 40(09)
"	i P	14 08 45,5 G
"	e P	16 49(10)
"	ei Pn	18 32 37,5
"	e Pn	20 09(16)
December 2	i Pn	00 25 49,5
"	i Pg i Sg	06 46 32,1 49,1
"	ei Pn i Sg	12 46 19,7 31,2
"	i P	14 19 21,2 D
"	i Pg i Sg	16 58 45,7 CW 59 00,2
"	i Pg i Sg	18 17 47,2 DSE 18 03,7
December 3	ei Pg i Sg	21 33 52,7 34 11,7
"	i Pg i Sg	23 35 41,8 56,3
December 4	ei Pn	00 50 26,8
"	i Pg i Sg	09 21 53,9 22 11,9
"	e Pg i Sg	17 54(07) 22,0

Continued

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

49
 No: 50/67
 'B'

PRELIMINARY SEISMOGRAM READINGS

December 4	e Pg	19 43 06
	i Sg	20,6
"	i Pg	19 53 21,6 CN
	i Sg	26,6
"	i Pg	21 16 46,6
	i Sg	17 02,1
December 5	i P	05 21 16,2 DS
	T : 0,5 sec	C, 0,6 sec.
"	i Pg	15 56 18,8
	i Sg	36,8
December 6	e Pn	00 03(30)
"	i P	04 53 13,7 C
"	i P	05 22 26,7 D
"	ei Pg	15 25 54,4
	i Sg	26 00,9
"	i Sg	22 12 00,5
December 7	e Pg	02 59 14
	i Sg	24,6
"	i Pg	14 28 13,4
	i Sg	28,4
"	i Sg	21 05 27,5
"	i Sg	22 49 46,0
"	e Pg	22 58 10
	i Sg	21,0

Chief
 Dr. N. Öcal

R. Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:50/67

PRELIMINARY SEISMOGRAM READINGS
 at
 (ISK) Kandilli - İstanbul
 December 8, 1967 - December 15, 1967

December 8	i Sg	17 14 38,3
"	i P	17 35 45,3 D
	i S	36 27,3
	T : 0,4 sec	0,037 mic.
"	i Sg	19 05 06,4
December 9	i P(KP)	05 47 21,2
"	ei Pg	11 23 12,8 D
	i Sg	27,8
"	i Pg	16 32 17,9 D
	i Sg	32,9
December 10	ei Pg	04 32 08,0
	i Sg	20,0
"	e Pn	23 48(56)
	i	59,8
"	i P	23 59 37,3 C
	No electricity from 11h 53m of Dec.11 till 14h 05m of Dec.13 .	
December 14	ei Pn	02 41 33,1
"	i Sg	08 37 45,2
"	e Pg	15 02(48)
	i Sg	03 03,3
"	i Pg	16 35 50,3
	i Sg	59,3
"	i Pg	23 57 59,4
	i Sg	58 15,4

Chief
 Dr.N.Öcal

R.Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:51/67
 'A'

PRELIMINARY SEISMOGRAM READINGS

at

(ISK) Kandilli - İstanbul

December 15, 1967 - December 22, 1967

December 15	i Pg	00 04 54,4
	i Sg	05 10,9
"	i Pg	01 20 47,4
	i Sg	21 02,9
"	i Pg	02 07 08,5
	i Sg	24,5
"	i Pg	03 32 59,0
	i Sg	33 11,0
"	i Pg	03 51 52,5
	i Sg	52 10,5
December 16	e (Pn)	08 23(45)
	Masked by microseisms.	
December 17	ei Pg	04 56 14,6
	i Sg	28,6
December 18	<u>i</u> P	14 18 00,9 D
"	i Pg	21 02 50,4
	i Sg	03 06,4
December 19	ii Pg	08 10 18,3 CNW
	ii Sg	30,8
"	ei Pn	08 34 09,3
	i Sg	35 19,3
	i L	36 00,8
December 20	e P	11 44(45)
"	i Sg	11 59 33,8
"	i Sg	21 31 06,0

Continued

KANDILLI OBSERVATORY
Seismological Section
İSTANBUL TURKEY

No: 51/67
'B'

PRELIMINARY SEISMOGRAM READINGS

December 20	i Pg	23 11 36,8
	i Sg	54,3
December 21	e Pn	00 11(13)
"	e (P)	02 43(18)
December 22	i Pg	02 45 46,7
	i Sg	46 02,7

Chief
Dr. Nevzat Öcal

Ref'an Can

KANDILLI OBSERVATORY
 Seismological Section
 İSTANBUL TURKEY

No:52/67

PRELIMINARY SEISMOGRAM READINGS

at

(ISK) Kandilli - İstanbul

December 22, 1967 - December 29, 1967

December 22	i Pg	11 00 47,6
	i Sg	01 13,1
December 23	i Pg	03 34 55,7
	ei Sg	35 13,2
"	ei Pn	12 54 43,3
December 24	i Sg	08 00 31,2
"	i P	19 03 14,7 C
	i PP	17,7
December 25	i Pn	02 42 16,9 D
	i Sg	43 38,4
"	e Pn	09 46 35
	i Sg	47 07,0
"	e Pg	20 42(41)
	i Sg	55,9
December 27	e Pn	07 20(04)
"	i P	16 42 41,1 D
December 28	i Pn	06 27 57,4 C
"	ei Pn	10 58 31,2
December 29	i Pg	04 42 05,0 C
	i Sg	18,0

Chief
 Dr.N.Öcal

R.Can

With our best wishes for Christmas and the New Year.