

KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 1/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul

January 1, 1966 - January 14 1966

January 2	i Pn	23 13 43,9 C
January 3	i Pg i Sg	15 50 16,8 C 34,1
January 5	e Pn i Sg	05 03 00 48,7
January 6	i Pn i Sg	13 36 06,5 25,8
January 7	i Pg i Sg	15 26 39,6 54,8
"	e Pn i Sg	17 23 00 45,9
"	ei Pg ei Sg	21 36 55,9 37 03,8
January 8	i Pn	13 33 28,9 C
"	i Pn	13 36 39,5 C
January 9	e Pg e Sg	00 03 53,5 04 14
"	e Pn	04 20 47
"	ei Pg i Sg	07 38 05,1 C 21,8
"	e Pg i Sg	14 21 06 24,5
"	i Pg e Sg	15 38 52,7 39 05
January 10	e Sg Local.	08 02 31
January 11	i Pn	01 25 58,8
"	e (P)	14 28 43
"	e Pg i Sg	14 54 24 43,4
January 12	e Pg i Sg	05 30 24 41,1

Chief  
Dr. N. Öcal

February 7, 1966  
S.B.Üçer



KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 3/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-İstanbul

January 14, 1966 - January 21, 1966  
 .....

January 14	e	09 41 00
January 15	e Pg	05 16 17
"	i Pg	05 31 28
"	i Pg i Sg	05 57 55,8 58 22,3
"	<u>i P</u> i S	18 09 19,5 C 11 31,0
"	ei P i (pP) i	23 21 05 08,0 42,7
"	ei P i pP i	23 50 18,3 21,6 55,4
January 16	i Sg	12 25 34,9
"	i Pn	18 54 02,0
"	i Pn	20 16 57,9
January 17	i (P)	08 11 19,0 C
"	i Pn	10 57 23,1
"	e Pn Masked by prevousl shock.	10 58 15
"	<u>ii P</u>	20 06 23,6
January 18	<u>i P</u> i (pP)	03 05 07,3 13,6
"	e seismic ?	16 43 37
"	<u>i P</u>	20 21 41,8 D
No record after 23 <sup>h</sup> GMT. till 12 <sup>h</sup> GMT. of January 19, 1966.		
January	i Pg i Sg	15 59 03,2 19,9

KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 3/66-B

PRELIMINARY SEISMOGRAM READINGS

January 19	i Pg	20 09 21,1
	i Sg	47,7
"	e Sg	21 25 30
"	e Pg	22 48 14
	ei Sg	40,0
e "	ei Pg	22 53 44,2
	i Sg	54 10,4
January 20	<u>i P</u>	00 40 02,7 CE
"	e Pn	04 36 15
"	i (Sg)	04 44 30,6
"	i seismic ?	22 04 07,2

Page: 2.

Chief  
Dr. N. Öcal

February 7, 1966  
S.B. Üçer



KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 4/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-İstanbul

January 21, 1966 - January 28, 1966  
 .....

January 21	e P(n)	10 53 42,9
	e S	54 40
"	i (P)	12 28 57,9
January 22	ii Pn	00 24 36,0 D
	i Pg	47,6
"	ei Pn	01 19 01,9
	i (Sg)	35,5
"	e (pn)	10 37(04)
	e Sg	35
"	e (Pn)	10 58 43
January 23	i Pg	19 28 19,5
	i Sg	41,8
January 24	ei Pn	04 58 20,2
	i Pg	26,5
	i Sg	41,8
January 25	i Sg , i Pg	05 09 56,6
		10 09,8
"	i Pg	10 39 22,0
	i Sg	40,2
"	i Pg	23 31 28,2 C
January 26	i Sg , i Pg	06 25 57,8
		26 13,0
"	e Pn	21 12(01)
January 27	<u>i P</u>	10 30 45,7
"	e Pn	20 33 29)

Chief  
 Dr. N. Öcal

February 7, 1966  
 S.B.Üçer



KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 5/66  
 No: 6/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-İstanbul

		January 28, 1966 - February 4, 1966	
		February 4, 1966 - February 11, 1966	
January 28	i Pg	15 49 35,4	
	i Sg	50,4	
January 29	i Pg	22 07 27,6	
January 30	e	07 48 00	
	seismic ?		
January 31	e Pg	09 30 09	
	e Sg	25	
"	e Sg	11 42 41	
FEBRUARY 3	i Pg	12 22 18,0 C	
	i Sg	34,3	
"	i Pg	14 30 10,1 D	
	i Sg	27,1	
February 4	e Pg	03 48 23,4	
	i Sg	37,2	
"	e P	11 01 29	
"	e Pg	12 44 43	
	e Sg	(55)	
February 5	<u>i P</u>	02 03 14,1 D	
"	e (Pn)	02 59 25	
	i	37,2	
"	<u>i P</u>	15 22 44,5	
"	<u>ii P</u>	16 27 48,5 D	
"	e Pn	18 14 04	
	e Sg	35	
"	i P	23 07 18,6	
	i	08 02,8	
February 6	ei Pn	08 43 10	
	ei Sg	52	
February 7	<u>i P</u>	04 33 02,1 D	
	ii pP	09,7	
"	ei P	23 13 26	





KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 5/66-B  
No: 6/66-B

PRELIMINARY SEISMOGRAM READINGS

February 8	i Pn	13 17 23,6
	i Sg	18 06,0
"	i Pn	20 08 51,6 D
	i Pg	09 00,2
	i Sg	40,5
February 9	e Pn	04 08 17
	e (Sg)	58
"	e Pn	05 37 11
	ei Pg	17,5
February 10	e P(KP)	14 34(39)
	e PP	38 39
	e S	47 13

Chief  
Dr. N. Öcal

February 17, 1966  
S.B.Üçer

KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 7-8/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-İstanbul

February 11, 1966 - February 25, 1966  
 .....

February 12	i Pb	08 20 41,2 C
	i Pg	58,3
February 13	<u>i P</u>	05 04 54,1 CNW
	i	06 12,9
February 14	ei Pg	01 13 37,2
	ei Sg	53,9
"	i Pg	05 07 01,3 C
	i Sg	18,5
"	ei Pg	11 09 27,9 C
	ei Sg	33,3
"	i Pn	16 54 17,2 DNE
	i Sg	47,6
"	e Pn	17 59 24
February 16	<u>i P</u>	03 37 49,6 D
"	e Pg	13 59 31
	e Sg	42
"	i Pg	14 45 34,5 D
February 17	<u>i P</u>	12 00 38,7 C
February 19	e P	12 57(34)
"	e Pn	20 32 34
"	d Pn	21 38 04
February 20	e Pn	02 32 47
"	i Pg	13 19 08,6
	i Sg	20,2
"	i Pn	16 30 52,6
	i Sg	31 38,6
February 21	e Pn	20 32 21
	i Sg	48,8
February 22	<u>i P</u>	05 21 21,5 D
	e PP	22 38
February 24	i Pg	23 20 26,7
	i Sg	48,4

Chief, Dr. N. Öcal

S.B.Üçer

KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

NO: 9/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul  
February 25, 1966 - March 4, 1966  
.....

February 25	<u>i</u> P	23 10 32,9 C
February 26	ei P	00 46 05,6
"	ei Pn i (Sg)	10 51 13,5 52 03,3
"	ii Pg	15 18 33,5
"	e (P)	20 55(15)
February 28	<u>i</u> P	02 28 32,9 CN
MARCH 1	ei Pn	14 00 18,5
"	£ Pn	18 07(32)
"	ei Pn ei(Sg)	18 35 15,2 48,2
March 2	e P	02 40(02)
March 3	<u>i</u> P	03 37 27,5 D
"	ii Pg Local.	06 00 06,8

Chief  
Dr. N. Öcal

S.B.Üçer  
Assistant in Geophysics





SEISMOLOGICAL OBSERVATORY  
Seismological Section  
ISTANBUL TURKEY

No: 10/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-Istanbul

March 4, 1966 - March 11, 1966  
.....

March 5	e Pn	13 03 13
"	ei Pn i Sg	14 12 10,7 46,7
"	i Sg	23 03 36,0
March 6	e P	02 18 47
"	<u>i P</u>	02 23 45,3 dC
March 7	<u>ii P</u>	01 18 31,8 CNW
	Felt at Hınıs in Eastern part of Anatolia.	
"	ei P	21 39 49,5
March 8	<u>i P</u>	02 38 22,8
"	<u>i P</u>	05 54 23,1 D
"	e Sg	11 40 54
"	i Pg i Sg	18 16 21,8 48,7
"	e Pn	18 53(21)
"	i Sg	19 49 34,9
"	i Pg i Sg	20 12 46,5 13 02,7
March 9	i Pg i Sg Local.	02 46 03,7 08,2
"	ii Pg	02 48 17,1
"	i Pg Local.	03 15 45,0
"	i Pg Local.	12 30 18,0
"	i Pg i Sg	15 08 21,1 44,0
"	i Pg i Sg	22 43 31,1 49,5
"	<u>i P</u>	23 26 21,5 D
March 10	e P	21 05 13

Chief, Dr. N. Öcal

S?B.Üçer



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 11-12/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul  
March 11, 1966 - March 25, 1966  
.....

March 11	i Pg	02 29 36,5
March 12	<u>i</u> P	16 43 10,2 CSE
March 15	i Pn	17 15 31,6 N
March 16	ii Pg i Sg	16 26 09,3 D 23,8
March 17	i Pg i Sg	07 40 29,6 40,0
"	ei P	16 09 11,3 D
March 20	e P	01 50 28
"	i P	05 56 55,0 D
March 22	No time marks .	
March 23	No time marks .	

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer



KANDILLI OBSERVATORY  
 Seismological Section  
 ISTANBUL TURKEY

No: 13-14/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-Istanbul  
 March 25, 1966 - April 8, 1966  
 .....

March 25	e Pn	23 09(02)
"	e Pn i Sg	23 13 10 36,9
"	ii Pb ei Pg	23 17 54,0 C 58,1
March 26	i Pg	18 38 19,2
	Strong micro-seisms during next two days.	
March 27	e Pn	14 31(54)
	Masked by micro-seisms.	
"	e Pn	22 25 ..
	Masked by micro-seisms.	
March 28	e Pn	00 00 28
"	e Pn	01 16(57)
March 29	e Pn	00 10 06
"	i (P)	15 18 59,3
e "	e Pg	20 37 47
"	e Pn i Pg	23 23 14 21,9
March 30	i Pg i Sg	11 42 20,4 40,0
APRIL 1	e Pn	23 44 00
"	i Pn	00 22 59,5
"	e Pn i Pg i Sg	12 42 16,6 24,4 43 06,4
"	i Sg	13 00 36,0
"	<u>i P</u>	13 16 38,2



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 13-14/66  
"B"

PRELIMINARY SEISMOGRAM READINGS

April 3	e Pn	11 37 42
April 4	i Pg	00 27 24,5
	i Sg	28 06,2
"	e Pn	10 46 38
	i Pg	47 29,7
April 6	e Sg	20 24 07
April 7	ei Pn	00 41 40,8
"	ei P	03 27 28,6 C?
"	i	05 56 13,6

Page: 2.

Chief  
N. Öcal

Assistant in Seismology  
S. B. Üçer



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 20/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul

May 17	i Pg	10 24 37,0
	i Sg	53,8
"	<u>i P</u>	13 59 30,9
	i	14 00 14,7
May 18	i Pg	21 01 56,1
	e Sg	02 08
May 19	e Pg	17 02 59
	e Sg	03 15
"	ei Pg	17 09 03,0
	i Sg	23,6

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer

KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 19/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-İstanbul  
 May 6, 1966 - May 13, 1966  
 .....

May 6	i Pg	19 01 52,3
	i Sg	02 13,0
"	i Pg	20 06 51,8
"	i Pg	22 46 48,2
	i Sg	47 09,7
May 7	ii Pn	13 09 10,0
	i Pb	12,4
	i Pg	19,4
	Moderate damage at Incirlioiva in Aydın. Main shock. Foreshock occurred on May 4.	
"	i Pg	14 19 10,8
	i Sg	33,2
"	e Pn	17 16 34,7 C
"	e Pn	20 43 36
"	<u>i P</u>	20 50 26,5 C
	i S	51 25,5
"	<u>i P</u>	22 10 25,2 C
	i S	11 22,0
May 8	i P(n)	02 23 37,6
"	i P(n)	03 50 21,2
"	ei P	09 10 19,7 C
"	e Pn	09 31 56
"	<u>i P</u>	13 00 16,8
May 9	ii Pn	00 34 49,1
"	<u>ii P</u>	03 52 12,7
"	e Pn	06 10 13



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 19/66  
"A"

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul

May 10	i Pg	08 51 37,2
	i Sg	48,6
"	i Pg	09 36 07,8
	i Sg	19,5
"	<u>i P</u>	18 45 54,3
May 11	<u>i P</u>	21 12 42,6
May 11	e P	01 24(57)
"	<u>i P</u>	14 29 40,4 D
	i pP	48,5
"	e Pn	15 07 49
"	i Pg	16 39 21,8
	i Sg	43,6
"	<u>i P</u>	21 51 39,8 c
May 12	i Pn	20 31 58,2
	i Pg	32 08,5

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer

KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 18/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul  
April 29, 1966 - May 6, 1966  
.....

April 29	e P	19 19 12
April 30	ei Pg i Sg	09 21 52,1 22 10,2
MAY 2	ei Pg	11 43 57,1
"	e Pg ei Sg	15 55 28 47,5
"	e Pg e Sg	16 04 35 45
"	<u>i</u> P e S	23 15 00,7 18 17
May 4	ei Pn	06 38 28,8
"	ei Pg ei Sg	09 12 07,5 22,0
"	i Pn i Pb ii Pg	21 49 52,3 54,4 50 03,8
		Strongly felt at İncirliova in Aydın. 4 houses destroyed.
"	ii(Pg)	21 53 35,8
		Pn wave masked by previous shock.
"	ii(Pg)	21 54 22,8
		Pn wave masked by previous shock.
"	e Pn	22 59(33)
May 5	ei Pg i Sg	06 12 29,6 13 04,8
"	i Pg i Sg	06 35 59,8 36 18,5
"	<u>i</u> P	14 33 09,6

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 17/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul  
April 22, 1966 - April 29, 1966  
.....

April 22	e P	23 39 39
April 23	e P	00 22 45
April 24	e Pn ei Sg	16 44 15 53,9
April 24	e Pn	20 36 53
April 26	e Pn i Sg	09 23(22) 24 11,5
April 27	i Pg i Sg	09 42 37,8 49,5
"	ii P	19 51 28,1 CNE
April 28	e P	01 35 17
"	e P(n)	11 49(05)

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 15-16/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) İstanbul-Kandilli  
April 8, 1966 - April 22, 1966  
.....

April 8	e Pn	13 43 13
"	i Pg i Sg	15 35 33,0 C 44,3
"	ei Pn	22 54 23,8
April 9	e Pn e Sg	04 38 48 39 04
"	e (Sg) Traces.	05 22 44
April 14	e (Sg) Seismic?	14 05(58)
April 16	e Pn	20 12 42
April 20	ei P	16 45 30,6
"	e	18 42 34
April 21	ei P(n)	02 36 52,4
"	<u>i</u> P	04 04 55,1 C
3	i Pn i Sg	06 47 12,9 37,4

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 22/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul  
May 27, 1966 - June 3, 1966  
.....

May 29 i (P) 14 03 24,6  
Seismic ?

There are no time marks during  
the next 14 hours.

May 31 i Pg 09 19 41,5  
i Sg 45,4  
Local.

" e Sg 09 20 11  
Pg masked by previously shock.

JUNE 2 i P 03 40 19,9  
i PP 43 34,7

" e Pn 09 06 24  
e Sg 59

" i Pn 22 07 10,6 C  
i Pb 13,2  
ii Sg 19,6

" i Pn 23 00 09,2

Chief  
Dr.N. Öcal

Assistant in Seismology  
S.B.Üçer



KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 23/66

PRELIMINARY SEISMOGRAM READINGS

at

(ISK) Kandilli-İstanbul

June 3, 1966 - June 10, 1966

.....

June 4	e (P)	05 18 04
"	<u>i</u> P	06 03 48,8 D
"	i Pg	11 27 10,8
	i Sg	25,1
June 5	e P	00 00 23
"	ei Pg	02 06 38,0
	i Sg	52,4
"	<u>ii</u> P	08 59 38,6 CN
"	i Pn	09 12 20,1
	ii Pg	25,0
"	i Pg	09 21 20,0
	i Sg	47,4
"	e P(n)	09 28 11
"	e Pn	12 32 37
"	e Pn	13 56 30
	e Sg	57
"	e Pn	17 27 43
"	e Pn	20 53 16
"	i Pg	20 56 54,0
	i Sg	57 09,0
June 6	i Pn	07 41 24,0
"	<u>ii</u> P	07 52 31,6 D
"	ei Pn	14 37 59



KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 23/66

PRELIMINARY SEISMGRAM READINGS

June 6	e (Pn)	16 55 59
"	e Pn	18 25 37
June 7	e Pn	04 47 29
	i Pg	32,8
"	e Pn	06 10 54
	i Pg	11 21,2
"	e Pn	06 23 27
	i Sg	54,8
"	i Pg	06 53 52,0
	i Sg	54 17,5
"	i Pn	06 56 25,0
"	<u>i</u> P	14 13 12,0 C
"	i Pg	10 15 16,6
	i Sg	32,8
"	e Pg	23 49 40
	i Sg	50,7
"	e Pg	23 50 24
	e Sg	40
June 8	i (P)	20 08 34,2
	Seismic ?	
June 9	e Pn	12 05 53
"	e P	23 29 51

Page: 2.

Chief  
 Dr. N. Öcal

Assistant in Seismology  
 S.B.Üçer



KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 24/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-İstanbul  
 June 10, 1966 - June 17, 1966  
 .....

June 10	ii Pg	00 08 05,5
"	i Pn	09 13 10,1 C
	i (Sg)	57,4
"	<u>i P</u>	21 26 44,4
"	i (P)	22 50 44,0
June 11	e (P)	03 12 55
June 12	i Pn	12 06 48,4
"	ii Pg	15 14 40,4
"		23 25 46,9
	e Sg	26 10
June 13	e Pg	03 48 29
	e Sg	53
"	e Pn	05 00 04
	e sg	12
"	<u>i P</u>	18 27 25,7 C
June 15	e P	01 18 50
	e S	20 55
"	<u>i P</u>	01 52 03,7
"	i Pg	05 04 27,0
"	i Pn	09 37 15,6
	e Sg	27
"	e Pg	11 04 56





KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 24/66

PRELIMINARY SEISMOGRAM READINGS

June 15	e Pn	16 47(39)
"	e Pg	22 03 13
	i Sg	29,4
June 16	ei Pg	00 54 02,8
	e Sg	29
"	e Pg	03 51 29
	e Sg	43

Page: 2.

Chief  
Dr. N. Öcal

Assistant in Seismology  
S.B. Üçer



KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 25/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-İstanbul  
 June 17, 1966 - June 24, 1966  
 .....

June 17	i Pn	02 27 49,1 C
"	e Pn	04 22(31)
"	i Pg	21 11 24,2
	i Sg	51,6
"	i Pg	21 16 28,9
	i Sg	56,2
June 18	e Pn	00 51 04
	i Sg	46,2
"	ii Pg	05 29 17,4
"	e Pg	11 50 23
	e Sg	50
June 19	<u>ii P</u>	17 56 14,9 D
	Felt at Menemen. Craçks on the walls of more than "100" houses,	
"	i Pn	19 47 22,0
	i Sg	57,4
"	ii Pg	20 16 31,1
"	e Pn	21 11 06
	i Sg	43,4
June 21	i Pg	09 29 03,7
"	e Pg	09 54 44
	e Sg	55
June 22	Station in operation.	
June 23	e Pg	19 02 27
	e Sg	44
"	e Pg	22 07 42
	e Sg	56

Chief  
 Dr. N. Öcal

Assistant in Seismology  
 S.B. Üçer



KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 26/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-İstanbul  
 June 24, 1966 - July 1, 1966  
 .....

June 24	e Pg	01 31 48
	e Sg	32 04
"	e Pn	13 44 08
	e Pg	26
"	e Pn	22 35 59
June 25	e Pn	06 21(35)
	i Pg	44
"	<u>ii P</u>	18 48 37,6 C
"	e	19 45 48
June 26	e Pg	05 41 58
	e Sg	42 15
"	ii P	08 48 24,4 D
"	e Pg	10 05 08
	e Sg	24
"	e Pg	10 08 34
	e Sg	46
"	e Pg	14 05 15
	e Sg	29
"	<u>i P</u>	18 12 24,6 C
June 27	<u>i P</u>	10 49 08,9
"	<u>i P</u>	11 07 17,9
June 28	i Pn	17 01 43,2
	i Pg	51,2
"	e Pn	18 03 20
	i Pg	28,2



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 26/66

PRELIMINARY SEISMOGRAM READINGS

June 28	e Pg	22 25 54
	e Sg	26 15
June 29	e Pn	00 51 11
"	e Pg	19 31 30
	i Sg	32 37
June 30	e Pg	02 48 27
	i Sg	43
"	e Pg	04 07 08
	e Sg	25
"	e Pn	19 23 07

Page: 2.

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer



KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 27/66

PRELIMINARY SEISMOGRAM READINGS

at

(ISK) Kandilli-İstanbul

July 1, 1966 - July 8, 1966  
 .....

July 1	i P	06 02 18,1 cDNE
	i	49,2
	P	1.9 sec. 2.3 microns.
"	e Pg	12 59 18
	i Sg	49,3
"	e Pg	16 56 36
	ei Sg	53,9
"	i Pg	18 00 07,4 D
"	e Pg	21 52(18)
	e Sg	28
July 2	i Pg	04 17 09,2 D
"	e (Pn)	16 00(47)
"	e Pg	18 05 52
	e Sg	06 08
"	e Pg	23 42 32
	e Sg	56
July 4	i Pg	09 59 57,6 D
	i Sg	10 00 19,2
"	e (PF)	18 46(18)
July 5	<u>i</u> P	03 41 59,2
"	i Pg	10 50 10,2
	i Sg	21,9
"	e Pg	16 13 02
	i Sg	20,6
"	e Pg	20 56 14
	i Sg	30,6

KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 27/66

PRELIMINARY SEISMOGRAM READINGS

July 6	e Pg	01 59 21
	e Sg	39
"	e Pn	03 13 50
"	e Pg	04 15 53
	e Sg	16 09
July 7	i Pg	16 15 06,6
	i Sg	24,3

Page: 2.

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 28/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul  
July 8, 1966 - July 15, 1966  
.....

July 8	ii Pg	04 59 40,1
July 9	e Pn	20 55 42
July 11	<u>i P</u> P	20 34 36,9 D 0.7 sec. 0.3 micron.
July 12	<u>i P</u> i pP P	02 58 17,3 D 25,2 1.0 sec. 0.3 micron.
"	e Pn	06 38 59
"	<u>ii P</u>	18 54 51,0 C
July 13	<u>i P</u> i S	11 32 17,9 D 46,8

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer



KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 29/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-İstanbul  
 July 15, 1966 - July 22, 1966  
 .....

July 15	i Pn	23 51 44,1
July 16	e Pg	00 10 02
	e Sg	22
"	e Pg	09 08 24
	e Sg	43
"	e Pg	15 09 52
	i Sg	10 15
"	e Pn	16 29 15
July 17	e Pg	04 48 23
	e Sg	39
"	<u>i P</u>	13 36 26,9
"	i Pg	20 03 29,1
	i Sg	43,4
"	i Pg	23 37 05,8
	e Sg	23
July 18	i Pg	21 19 07,8
"	i Pg	21 31 42,6
"	i Pg	21 38 20,8
July 19	e P	01 52 44
"	i Pn	02 34 03,5
	i Pg	12
July 20	e Pg	07 26 06
	e Sg	22
"		



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 29/66

PRELIMINARY SEISMOGRAM READINGS

July 20	e Pg	10 00 55
	e Sg	01 06
"	e Pn	10 02(40)
"	e Pg	10 06 21
	i Sg	36
"	e Pg	10 08 57
	i Sg	09 12,4
"	e Pn	10 17 44
July 21	<u>i</u> P	03 52 44,5 D

Page: 2.

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer

KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 30/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-İstanbul  
 July 22, 1966 - July 29, 1966  
 .....

July 23	e Pn	16 15(58)
"	e Pn	17 25 48
July 24	e Pg	03 17 35
	e Sg	57
July 25	e Pg	08 05 55
	e Sg	06 14
"	e Pg	09 27 56
	e Sg	28 42
"	e Pn	10 50 01
	e Sg	46
"	e Pg	19 09 46
	e Sg	10 02
July 26	e Pg	20 22 02
	e Sg	19
July 27	<u>i P</u>	14 53 29,2 cD
	P	1.5 sec. 0.5 micron.
"	e P	15 49 53
"	e (P)	19 44 35
	seismic ?	

Chief  
 Dr. N. Öcal

Assistant in Seismology  
 S. B. Üçer





KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 31/66

PRELIMINARY SEISMOGRAM READINGS

August 2	ii Pg	21 12 23,8
	i Sg	36,4
"	i Pg	22 04 37,3
	i Sg	05 03,3
"	e Pg	22 07 24
	e Sg	37
"	i Pg	22 41 54,7
	i Sg	42 11,0
August 3	e Pg	03 13 39
	e Sg	56
"	e Pg	07 37 34
	e Sg	50
"	e Pg	17 41 47
	e Sg	42 04
"	e Pg	18 36 22
	e Sg	38
"	e Pg	20 42 08
	e Sg	21
"	e Pg	21 05 20
	e Sg	32
"	e Pg	21 17 22
	e Sg	33
"	e Pg	21 31 03
"	e Pg	22 53 44
	e Sg	56
August 4	e Pg	00 33 27
	e Sg	33

Page: 3.

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer

KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 31/66

PRELIMINARY SEISMOGRAM READINGS

Aug. 1	<u>i</u> P	19 16 37,7 C
"	e Rg	19 29 18
"	e Sg	40
"	e P(KP)	20 37 38
"	<u>i</u> P	21 09 41,0 C
"	e Pg	22 58 23
"	e Sg	39
"	e Pg	23 01 44
"	e Sg	02 00
"	ii Pg	23 43 58,1
"	e Pg	23 45 30
"	e Sg	47
"	e Pg	23 47 44
"	e Sg	48 03
"	e Pg	23 49 48
"	e Sg	50 05
August 2	ii Pg	00 12 06,3 D
"	e Pg	02 37 13
"	e Sg	29
"	e Pg	02 42 51
"	e Sg	43 08
"	e Pg	02 57 48
"	e Sg	58 04
"	e Pg	05 22 27
"	e Sg	43
"	e Pg	05 26 59
"	e Sg	27 13



KANDILL OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 31/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-İstanbul  
 July 29, 1966 - Aug. 5, 1966  
 .....

July 29	e Pg	08 36 13
	e Sg	38
"	e Pg	16 51 10
	e Sg	25
"	e Pg	21 19 56
	e Sg	20 15
July 30	i Sg	09 21 56,4
AUGUST 1	e Pg	01 56 15
	e Sg	32
"	e Pg	02 33 15
	e Sg	29
"	e Pn	04 58 19
"	e Pn	08 28 37
"	ii Pg	10 19 59,4
"	e Pg	10 22 58
	e Sg	23 14
"	e Pg	11 50 07
	e Sg	24
"	e Pg	12 48 21
	e Sg	38
"	i Pn	14 12 38,2
"	ii Pg	16 42 49,6
	e Pg	18 31 07
	e Sg	23

KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 32/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-İstanbul  
 August 5, 1966 - August 12, 1966  
 .....

August 5	ei P	01 10 44,3 CE
"	e Pn	11 06 45
"	e Pg	17 23 36
	e Sg	51
"	e Pn	16 18 17
"	e Pn	17 49 41
"	i Pn	21 23 02,6
August 6	e Pn	00 37(36)
"	i Pn	02 33 01,0 cD
"	e Pg	03 25 20
	e Sg	25
"	e Pn	05 53 52
"	e	18 34 01
"	seismic ?	
August 7	i PKP <sub>1</sub>	02 25 49,0 C
	i PKP <sub>2</sub>	57,0
	i SKS <sub>2</sub>	36 24,0
"	e Pg	12 03 20
	e Sg	48
August 8	e Pg	20 44 45
	e Sg	45 03
August 9	e Pn	03 35 59
"	i Pg	12 09 12,7
	e Sg	29



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No:

PRELIMINARY SEISMOGRAM READINGS

August 9	e Pg	23 53 41
	e Sg	54 05
August 10	i Pb	02 05 04,6
	i Pg	05,9
	i Sg	22,3
"	i Pg	03 22 21
	i Sg	38
"	<u>i P</u>	05 20 51,6 C
"	e Pg	11 41 44
	e Sg	42 00
"	e Pn	15 24(18)
August 11	e	00 25 25
"	e P	04 35 43
"	e (P)	05 32 34
"	Seismic ?	

Page: 2.

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer

KANDILLI OBSERVATORY  
SEISMOLOGICAL SECTION  
İSTANBUL TURKEY

No: 33/66

PRELIMINARY SEISMOGRAM READINGS

at

(ISK) Kandilli-İstanbul

August 12, 1966 - August 19, 1966

.....

August 13	i Pg	04 56 54,7
	i Sg	57 22,2
August 15	e P	13 48 29
	P	w.9 sec. 0.1 micron
August 16	e P	02 22 34
	P	1.5 sec. 0.4 micron.
"	e P	03 15 37
"	e P	04 55 27
	P	1.0 sec. 0.1 micron.
"	e Pn	09 32 02
	e Sg	46
"	e Pn	21 02 45
	e Sg	03 31
August 18	e Pn	05 49 40
Chief N. Öcal		Assistant in Seismology S. B. Üçer



KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 34/66

PRELIMINARY SEISMOGRAM READINGS

at  
 (ISK) Kandilli-İstanbul

August 19, 1966 - August 26, 1966  
 .....

August 19	<u>ii P</u>	12 24 33,8 C
	Severe earthquake in Eastern Anatolia. Preliminary epicenter is probably located at VARTO (39°2 N - 41°5 E), 3162 dead. All houses destroyed at <u>Varto</u> . Heavy damage at <u>Karlıova</u> , <u>Hınıs</u> , <u>Muş</u> and <u>Bingöl</u> .	
"	<u>i P</u>	13 56 50,6
	P	1.0 sec. 0.37 micron.
	Aftershock.	
"	<u>i P</u>	14 20 15,8 cD
	P	1.0 sec. 0.13 micron.
	Aftershock.	
August 20	<u>i P</u>	12 01 26,7 C
	i S	03 57,9
	P	1.0 sec. 0.30 micron.
	Aftershock.	
"	<u>i P</u>	19 10 15,3
	Aftershock.	
August 21	ii Pg	01 31 08,4
	i Sg	29,3
	Strongly felt at <u>Balıkesir</u> .	
"	i Pg	01 41 31,4
	i Sg	52,1
	Aftershock of the previously shock.	
August 22	e Pn	06 52 26
"	e Pn	07 13 41
"	e Pg	11 31 55
	e Sg	32 15
"	e P	18 01(50)

KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 34/66

PRELIMINARY SEISMOGRAM READINGS

August 22	e Pg	18 54 41
	e Sg	55 09
"	i Pg	19 54 34,6
	e Sg	54
August 23	<u>i</u> P	01 38 01,5 C
August 25	e Pn	14 41 49
	e Sg	42 13

Page: 2.

Chief  
Dr. N. Öcal

assistant in Seismology  
S. B. Üçer





KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 35-36/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul  
Aug. 26, 1966 - Sept. 9, 1966  
.....

August 26	e Pg	21 39 12
	e Sg	26
August 28	e Pn	04 20 05
"	e Seismic?	08 47 29
August 30	i Pg	09 21 51,2
	e Sg	22 08
August 31	i Pg	09 01 31,7
	i Sg	52,0
SEPTEMBER 1	<u>ii</u> P	14 24 33,1 DW
September 4	i P	01 30 43,5 C
"	e Seismic?	08 14 13
September 6	i Pn	22 41 57,6
	i Pg	42 08,1
	i Sg	43 09,9
September 8	e Pg	11 15 21
	e Sg	41
"	i Pg	13 15 40,3
	i Sg	56,4
"	e	18 16 11
"	<u>i</u> P	21 29 09,2 C
	e S	32 19
"	i P	21 37 05,9

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 37/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul  
Sept. 9, 1966 - Sept. 16, 1966  
.....

September 10	e P	10 09 36
	e (PP)	12 10
"	<u>i</u> P	10 56 29,1 G
September 11	e Pn	20 44 03
	e Sg	53
September 12	e PKP	11 49 08
September 13	e Pg	12 18(15)
	e Sg	34
"	e Pn	20 26(01)
	e Sg	28(29)
September 14	e Pg	17 05 11
	e Sg	20
"	e P	23 36(11)
September 15	e P	17 22 43
	e PP	25 33
	e S	32 25

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 38/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul  
Sept. 16, 1966 - Sept. 23, 1966  
.....

September 18	e Pg	05 41 16	DNW
	e Sg	32	
"	<u>ii P</u>	20 49 14,4	CSW
	e S	53 38	
	P	.1.1 sec. 1.0 micron.	
September 19	i Pb	06 18 55,0	
	i Pg	58,0	
	i Sg	19 19,4	
"	e Pg	22 21 12	
	e Sg	33	
"	e Pg	23 51 14	
	e Sg	33	
September 20	e Pg	04 25 34	
	e Sg	48	
September 22	e Pn	20 15 41	

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 39/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul  
Sept. 23, 1966 - Sept. 30, 1966  
.....

September 23	i Pg	22 14 02,5
	i Sg	34,5
September 24	<u>i</u> P	10 06 09,5 DE
"	<u>i</u> P	20 22 46,4 DW
September 25	e Pn	03 11 21
	e Pg	33
September 26	e P	04 34 40
"	e P	05 20 14
"	i Pg	10 11 40,5
	i Sg	56,0
September 28	e P	14 10 09
	i	22,1
	P	1.1 sec. 0.18 micron

There are no time marks after  
15<sup>h</sup> till 07<sup>h</sup> of next day.

September 29	i Pg	09 10 21,1
	i Sg	28,5

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 40/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul  
Sept. 30, 1966 - Oct. 7, 1966  
.....

September 30	e Pn	10 05 00
OCTOBER 1	e Pg	24 45 37
	e Sg	46
"	i Pn	18 07 32,0
	ii Pg	40
	e Sg	08 20
October 2	<u>ii P</u>	11 22 57,9 DNW
"	i Pg	17 26 11,9
	i Sg	26,4
October 3	i Pn	23 39 54,8 C
	e Pg	40 06

Chief  
Dr. N. Öcal

Asstt. in Seismology  
S. B. Üçer

KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 41/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-İstanbul

Oct. 7, 1966 - Oct. 14, 1966  
 .....

October 7	<u>i</u> P	16 14 23,0 C
	i	17 38,0
	i	23 06,0
"	e Pn	22 42 26
October 10	i Pg	04 47 03,6
	i Sg	19,6
"	e P	09 57 29
"	e P	20 55 27
October 11	i Pg	11 45 07,1
	i Sg	52 11,6
"	i Pg	11 51 53,1
	i Sg	52 11,6
"	e P	11 59 44
October 13	e P	01 25 18
"	i Pg	04 26 33,6
	i Sg	44,6
"	e (P)	22 38 13

Chief  
 Dr. N. Öcal

Assistant in Seismology  
 Ref'an Can



KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 42/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-İstanbul  
 Oct. 14, 1966 - Oct. 21, 1966  
 .....

October 15	<u>ii</u> P	07 01 30,3 DNW
"	i Pg	16 28 22,3
	i Sg	40,3
October 16	i Pg	16 21 14,2
	i Sg	3 31,7
October 17	i Pg	06 31 39,2
	i Sg	54,2
"	e Pg	20 16 25
	i Sg	42,1
"	e P	22 00 16
October 18	i Pg	04 32 00,0
	e Sg	17
"	i Pg	10 12 36,5 C
	e Sg	53
October 19	i Pg	06 48 39,3
	i Sg	55,8
"	<u>i</u> P	08 11 29,3 cD
"	e Pg	23 18 13
	i Sg	29,1
October 20	i Pg	07 53 49,5
	i Sg	54 20,0

Chief  
 Dr. N. Öcal

Assistant in Seismology  
 Ref'an Can

KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 43/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul

Oct. 21, 1966 - Oct. 28, 1966  
.....

October 21	i Pg e Sg	14 10 43,2
"	e P	16 18 24
October 22	<u>i</u> P	03 13 03,8 dG
"	i Pn i	05 39 31,8 46,8
"	e P	09 37 07
October 25	<u>ii</u> P	01 29 06,4 CNW
October 26	<u>i</u> P	03 50 16,2
"	e Pg i Sg	16 12 59 13 16,0
"	e P i S	19 32 59 33 24,5
October 27	<u>ii</u> P	06 04 50,8 CSW

Chief  
Dr.N.Öcal

Assistant  
S.B Üçer



KANDILLI OBSERVATORY  
 Seismological Section  
 İSTANBUL TURKEY

No: 44/66

PRELIMINARY SEISMOGRAM READINGS  
 at  
 (ISK) Kandilli-İstanbul

October 28, 1966 - November 4, 1966  
 .....

October 28	i Pg	20 26 48,4
October 29	<u>i</u> P	02 41 04,4 DNW
	i S	42 11,4
"	e P	04 13(21)
"	e P	12 14(48)
NOVEMBER 1	i Pg	15 50 14,8
	i Sg	19,8
November 3	.	01 58 54,2
	i Sg	59 10,2
"	i Pg	04 28 37,2
	i Sg	45,7
"	e Pg	04 57 02
	e Sg	15
"	i Pn	13 18 34,7
"	e P	16 36 56

Chief  
 Dr. N. Öcal

Assistant in Seismology  
 Ref'an Can

KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No:45/66

PRELIMINARY SEISMOGRAM READINGS

at

(ISK) Kandilli-İstanbul

November 4, 1966 - November 11, 1966  
.....

November 4	i Pg	00 36 25,1
	i Sg	35,9
November 8	i Pg	04 24 02,2
	i Sg	20,7
"	i Pg	17 22 23,2
	i Sg	45,7

Chief  
Dr. N. Öcal

Assistant in Seismology  
S.B.Üçer



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 46/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul

November 11, 1966 - November 18, 1966

November 12	i Pg	01 10 34,3
	i Sg	47,8
"	i Pb	09 51 38,7
	i Pg	41,2
	i Sg	52 02,7
"	<u>i P</u>	13 01 44,6 cD
"	<u>i P</u>	19 04 22,1 D
November 14	e Pn	21 43 27
November 15	i (Local)	10 16 16,6
"	e (Pn)	14 17 45

Chief  
Dr.N.Öcal

Assistant in Seismology  
Ref'an Can

KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 47/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul  
November 18, 1966 - November 25, 1966  
.....

November 19	e Pn	07 14 30
November 21	e (Pn)	11 08 30
November 22	<u>i</u> P	06 40 47,2 C
November 23	e P	13 06(04)
"	e P	14 43(10)

Chief  
Dr. N. Öcal

Assistant in Seismology  
S. B. Üçer



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 48-49/66

PRELIMINARY SEISMOGRAM READINGS  
at  
(ISK) Kandilli-İstanbul  
November 25, 1966 - December 9, 1966  
.....

November 30	<u>i</u> P	09 48 03,2 C
December 1	<u>i</u> P	05 16 03,5 D
"	e P	05 18 35
December 2	i Pg i Sg	06 01 33,5 47,0
December 3	<u>ii</u> P	22 03 32,6 C
December 5	<u>i</u> P	22 45 40,4
December 6	i Pg i Sg	01 41 12,4 34,9
December 7	e P	11 02 49
December 8	<u>i</u> P	11 33 08,2 CSW

Chief  
Dr. N.Öcal

Geophysical Assistant  
Ref'an Can



KANDILLI OBSERVATORY  
Seismological Section  
İSTANBUL TURKEY

No: 50-51-52/66

PRELIMINARY SEISMOGRAM READINGS

at  
(ISK) Kandilli-İstanbul

December 9, 1966 - December 30, 1966  
.....

December 9	e Pn	18 13 55
December 10	<u>i P</u> Felt at Kastamonu, Ankara, Samsun and Karabük.	17 09 26,0 D
December 16	i Pg i Sg	02 32 11,8 26,3
December 18	<u>i P</u>	05 04 52,0 C
"	i Pn	07 43 50,4 D?
"	<u>i P</u> i	10 48 41,0 49 38,0
December 23	e P	16 24 01
December 25	ei Pn	15 26 55,6
"	i Pg i Sg	15 52 43,4 53 02,3
December 26	<u>i P</u>	04 23 18,3 DE
"	i Pg i Sg	20 57 18,2 36,0
December 27	i Pn i Bg i Sg	03 55 04,9 06,4 36,0
December 29	<u>i P</u>	06 31 14,2 DNE
"	e Pn	07 42(37)

Chief  
Dr. N. ÖCAL

Assistant in Seismology  
S. B. ÜÇER





MINISTRE DE L'EDUCATION NATIONALE  
OBSERVATOIRE DE KANDILLI

K A N D I L L I - I S T A N B U L  
BULLETIN SEISMIQUE PRELIMINAIRE

Coordonnées Géographiques

$\varphi = 41^{\circ} 03' 56''$  N.

$\lambda = 29^{\circ} 03' 33''$  E.

h = 132 m.

Sous-sol : Calcaire

1 9 6 0  
F. VERIER

Appareille :

- I- Trois séismographes ( Galitzin N - S , E - W , Z ) à enrégistrment photo-galvanométrique ;
- II- Un séismographe ( Courte période, Coulomb - Grenet ) vertical à enrégistrment photo-galvanométrique ;
- III- Un séismographe horizontal ( Wiechert ) de 200 Kg. à deux composantes ( N - S , E - W ) ;
- IV- Un séismographe vertical ( Wiechert ) de 80 Kg. ;
- V- Deux séismographes horizontaux ( Mainka N - S , E - W ) de 450 Kg.

Constantes des séismographes

Appareille	Compos.	Masse	$T_0$	$V_0$	$\epsilon$	$r/T_0^2$
Pendule Horizontal Mainka	NS (MN)	450	10.0	105,5	5,8	0,04
	EW (ME)	450	10.0	117,2	3,3	0,05
Pendule astatique Wiechert	NS (VN)	200	5,6	140,6	3,3	0,05
	EW (WE)	200	5,6	141,0	3,4	0,06
Pendule vertical Wiechert	Z (VZ)	80	3,8	40,0	3,2	0,09

Appareils	Compos.	$A_1$ mm.	l cm.	$T_1$ sec	$M^2$	T sec	k	$V_{max}$
Galitzin h.	NS (GN)	1000	14,04	22,3	0,016	22,5	67,11	1111
Galitzin h.	EW (GE)	1000	13,63	18,4	0,024	18,4	57,47	802
Galitzin v.	Z (GZ)	1000	40,75	13,3	0,440	12,7	205,74	850

Coulomb - Grenet ( C - p ) : Pendule  $T_0 = 1,5$  sec.  
Galvanomètre  $t_0 = 0,75$  sec.

D. Taner



KANDILLI - ISTANBUL  
Fevrier 1960

No: 142 H

Date	Phases et Composantes		Heures G.M.T.	T <sub>sec</sub>	Amplitudes			Km Deg.	Remarques
					A <sub>N</sub>	A <sub>T</sub>	A <sub>Z</sub>		
1	ePg	Cp, G2NE	12 01 34	11,8 11,6	5,1	7,5	18,1	910	Dilatation. Prés de la côte W de Cre te. 35° N 23° E H= 11.59.34 ( USCGS )
	eSg	G2NE	03 21						
	M	G2NE	05,2						
3	e	Cp	00 20 55,5						
	ePg	Cp	58						
	eSg	Cp	21 34					30,5	
3	ePg	Cp	12 53 46						
3	eSg	Cp	52,5					480	
4	e	Cp, G2	04 06 46						Région de le Nouvelle Ir- lande . 4,5 s 152° E H= 03.46.30 ( USCGS )
5	eP	G2	01 02 41					4100	
	eS	G2NE	08(23)					36,9	
5	ePg	Cp	02 51 26						
	eSg	Cp	45					160	
5	ePb	Cp	17 14 23						
	ePg	Cp	33						
	eSg	Cp	15 24,5					435	
6	ePg	Cp	03 28 06						
	eSg	Cp	39					280	
6	ePg	Cp	22 22 21,5						
	eSg	Cp	23 20					495	
8	e	G2	13 17						
10	eP	G2	00 09 33						Traces.
	ePP	G2	13 30					11100	Céram. 4° S
	ePPP	G2	15 42					99,9	128° E. H =
	ePS	G2	22 58						23.55.49 Mag:
									6,5-6,75 (Pas.)
									( USCGS )
12	ePg	G2	02 20 15						
	eSg	G2	59,5					375	Ressenti à
12	ePg	G2	14 01 04						
	eSg	G2	34					255	Grede. (Presse)
17	ePg	Cp	12 16 09						
	eSg	Cp	37					235	



KANDILLI - ISTANBUL  
Fevrier 1960

No : 142

Date	Phases et Composantes	Heures G.M.T.	T <sub>sec</sub>	Amplitudes			Km Deg.	Remarques
				A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
17	eP <sub>n</sub> Cp	12 16 55,5						
	eP <sub>b</sub> Cp,GN	17 08,5						
	eP <sub>g</sub> Cp,G2N	18				435		
	eS <sub>n</sub> Cp	36						
	eS <sub>b</sub> Cp,G2	47						
	eS <sub>g</sub> Cp,G2	18 09,5						
17	ePKP Cp,G2	12 51 55					Compression. Région des Iles de Paques. 30°S 112°5 W H = 12.32.10 Mag. 6,5 ( Pas ) ( USCGS )	
17	eP <sub>g</sub> Cp	14 32 15,5				150		
	eS <sub>g</sub> Cp	33				150		
18	eS <sub>g</sub> Cp	00 37 11				150		
	eS <sub>p</sub> Cp	29						
18	e G2NE	22 24 —					Traces.	
19	e Cp	03 03 41,5						
19	eP Cp,G2NF	10 42 08					Dilatation.	
	ipP Cp,G2	53				3580	h = 200 km ca.	
	isP Cp,G2	44 14				3292	Hindon - Konch	
	i GNF	46 52					36°N 70°5 E	
	IS GE	48 08					H = 10.36.46	
	e GN	35					h = 200 km ca.	
	ess GE	49 28					( USCGS )	
20	e G2NF	14 45 58					Près de la côte E	
	e Cp	46 04					de Kamtchatka.	
	e G2	33					52° N 159° E	
	e G2	50 39					H = 14.27.10	
	e GN	55 29					( USCGS )	
21	e Cp	01 07 00,5					île de Sud, Nouvel le. 42°S 173° E H = 00.46.56 h = 60 km ca.. ( USCGS )	
21	eP G2	08 18 09					Algérie destructeur	
	Cp,GN	11				2300	dans le Djebel	
	eS GN	21 55				20,7	Choukehot à Melouza et Beni Ilman, 47 morts, 88 blessés, importants dégâts matériels. 36,0 N 4,1 E	
	G2	59						



KANDILLI - ISTANBUL  
Fevrier 1960

No : 142

Date	Phases et Composantes		Heures G.M.T.	T <sub>sec</sub>	Amplitudes			Km Deg.	Remarques
					A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
								H = 08.13.32 ( BCIS ) Algérie du nord. 36°,0 N 40,5 E H = 08.13.31 ( USCGS )	
21	eP <sub>g</sub> eS <sub>g</sub> L	Cp, G2 <sup>F</sup> G2 <sup>F</sup> Cp, G2 <sup>NT</sup>	09 31 44,5 34 01 39				1160	Compression. Turquie. 38°N 42°E H = 09.29.15 ( USCGS )	
21	eP <sub>g</sub> eS <sub>g</sub>	Cp Cp	11 51 28 52 12				375		
22	eP <sub>n</sub> eP <sub>b</sub> eP <sub>g</sub> eS <sub>g</sub>	Cp Cp Cp Cp, G2	21 06 01,5 17,5 37 08 15				830	Grèce. Vers 39°N 20°E Données ( en partie ) discordantes ) H = 21.04,6 ( BCIS ) H = 21.04.09 ( USCGS )	
23	eP <sub>b</sub> eP <sub>g</sub> eS <sub>b</sub> eS <sub>g</sub>	Cp Cp Cp Cp, G2 Cp, G2	00 32 44 55 34 00 10 34				840	Grèce. Vers 39 N 20,5 E Données ( en partie discordantes ) H = 00.31,0 ( BCIS ) H = 00.30.58 ( USCGS )	
23	eP <sub>g</sub> eS <sub>g</sub>	Cp Cp	02 06 05 17 11				560		
23	iP <sub>g</sub> iS <sub>g</sub>	Cp, MNE VNE Cp, G2, MNE, VZNE	03 55 00 08				65		
23	eP <sub>b</sub> eP <sub>g</sub> eS <sub>b</sub> eS <sub>g</sub>	Cp Cp Cp, G2 Cp, G2	07 36 12,5 25 37 46 38 03,5				835	Grèce. Vers 39° N 20°E Données ( en partie ) discordantes ) H = 07.34,5 ( BCIS ) H = 07.34.30 ( USCGS )	
23	eP <sub>n</sub> eP <sub>g</sub> eS <sub>n</sub> eS <sub>g</sub>	Cp Cp Cp Cp	07 49 33,5 50 07 51 01 42,				805	Grèce. Vers 39° N 20°E Données ( en partie discordantes ) H = 07.47,8 ( BCIS )	



KANDILLI - ISTANBUL  
Fevrier 1960

No : 142

Date	Phases et Composantes		Heures G.M.T.	T <sub>sec</sub>	Amplitudes			Km Deg.	Remarques
					AN	AF	AZ		
23	eP	Cp	08 22 21					Compression. Formose. 23°05' N, 121°00' E H = 08.10.28 ( USCGS )	
23	ePg	Cp	16 13 06				475	Compression.	
	e	Cp	13				435		
	e(Sb)	Cp	42,5						
	eSg	Cp	57						
	L	Cp, G2E	14 05,5						
24	ePg		05 22 12,5				510		
	eSg		23 13						
24	ePg		05 47 05				515		
	eSg		48 05						
24	ePg	Cp	18 58 24,5				1150	Turquie. 38°N 41°E H = 18.55.20 ( USCGS )	
	eSg	GF.	19 00 40						
	L	G2NE	57						
24	ePg	Cp	21 01 39,5				435		
	eSg	Cp	02 30,5						
	ePKP	Cp, G2	21 55 58				13460 12100	Iles Salomon. 7°5' S 156° E Kieu H = 21.37.04 Mag: 6,5-6,75 ( Pas ) ( USCGS )	
	e	Cp, G2							
	ePP	Cp, G2	32						
25	ePg	Cp	12 22 49				575		
	eSg	Cp	23 57						
26	ePg	Cp	01 02 49				485	Compression.	
	eSg	Cp	03 46						
26	ePKP	Cp	06 52 32,5					Compression. Iles Tonga. 20°3' S 174° W H = 06.32.36 ( USCGS )	
	e	Cp	53 06						
26	ePg	Cp	22 52 03				365		
	eSg	Cp	46						
26	eP	Cp, G2	23 42 02				9140 850	Compression. Iles Aléontiennes. 51°5' N 178° W H = 23.29.25 Mag : 6-6,25 ( Pas ) ( USCGS )	
	ePP	Cp, G2	45 20						



Kandilli - ISTANBUL  
Fevrier 1960

No : 142 H

Date	Phases et Composantes	Heures G.M.T.	T <sub>sec</sub>	Amplitudes			Km Deg.	Remarques
				A <sub>N</sub>	A <sub>E</sub>	A <sub>Z</sub>		
27	eP Cp, G2	08 22 39					Iles Aléontiennes 51° <sup>05</sup> N 178° <sup>00</sup> W H = 08.10.03 ( USCGS )	
27	e Cp	09 16 (02)					Au large de la cote de Sumatra. 6° <sup>05</sup> S 102° <sup>05</sup> W H = 09.05.25 ( USCGS )	
29	e G2	00 31 46						
29	eP G2	23 46 50					Compression.	
	eS G2	53 49				4220	Compression.	
	e G2	54 35				3899	Foyer Situé au voisinage immé- diat de la ville d'Agadir (maroc) où l'intensité peut être évaluée en degré XI; plu- sieurs millier de morts et 6 blessés. ressenti à Tarou- dant, Marrakech, Safi, III à Cas- ablanca, Rayon de l'isoséiste III : 400 km (d'après Casablanca) . 30° <sup>05</sup> N, 9° <sup>07</sup> W H = 23.40.13 Mag: 6 (Strasbourg) (BCIS)	
	L G2E	59 03					30° N 90° W H = 23.40.12 ( USCGS )	