





TECHNICAL UNIVERSITY OF ISTANBUL

Institute of Seismology

SEISMOLOGICAL BULLETIN

June 1-30, 1960.

Istanbul 41°02'6 N, 28°59'1 E

1	e	Z	11	07	51	..	4	Off SE Crete Island
1	e	Z	14	41	40	..		34½ N, 26 ½ E
	e	Z		42	54	..	e	Pg Z 08 53 25
2	Southern of Chile					..		PgPg Z 33
	46½ S, 74 W H = 05 58 03					..		Sg Z 54 10
	(USCGS, BCIS)					..	4	Aftershock of 4 June (08 09
	e	PKP Z	06	17	13	..		45) H = 11 05 03 (BCIS)
2	i	Z	08	06	02	..	e	P Z 11 13 28
	ei	Z		07	20	..		PP Z 15 06
2	Iran 33½ N, 49 E					..	5	e Z 00 50 57
	H = 12 42 38					..	e	Z 51 10
	i	P Z	12	46	48	..	5	e Pg Z 17 31 21
3	i	Pg Z	08	28	03	..		(Sg) Z 36
	i	Sg Z			08	..	5	e Z 17 49 16
	Δ = 45 Km.					..	5	Traces. Kermadec Islands
3	Fidji Islands					..		31 ½ S 177 W
	17½ S, 179 W h = 600 Km.					..		H = 19 30 30 (USCGS)
	H = 13 23 37 (USCGS)					..	e	Z 19 50 34
		PKP Z	13	42	16	..	6	Off N California 41 N,
	e	Z		44	37	..		125 W H = 01 17 48
3	Near Coast of Hokkaido, JAPAN					..		(USCGS, BCIS)
	41½ N, 141½ E h = 100 Km.					..	i	P Z Q1 31 15
	H = 16 18 04 (USCGS)					..		PP Z 35 02
	ei	P Z	16	29	57	..	6	Near of Chile 45½ S, 73½ W
4	e	Z	04	29	15	..		H = 05 55 44
4	Atlantic Region, Açores.					..	e	PKP Z 06 14 45
	H = 07 48,8 (BCIS)					..	i	Z 15 31
	e	P Z	07	57	00	..		PP Z 16 45
4	Açores Region					..	6	Southern Yougoslavie
	39½ N, 30W h = 08 09 45					..		41 N, 21¾ E
	(BCIS)					..		H = 15 31,8 (BCIS)
	e	P Z	08	17	56	..	e	Z 15 34 42
		PP Z		19	46	..	6	Southern of Fidji Islands
	23½ S, 180 h = 600 Km.					..		H = 23 30 08 (USCGS)
	H = 23 30 08 (USCGS)					..	e	Z 23 49 02
	e Z 23 49 02					..		

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7	Ocean Indian 17 S, 98 E		9	Alabania 40½ N 20, 2 E
	H = 05 25 11 (USCGS)			H = 08 24 01 (BCIS)
	e P Z 05 37 57			e Pn Z 08 25 46
7	e Pg Z 09 47 59			Sn Z 27 07
				Sg Z 55
7	e Pn Z 10 38 52		9	e Z 10 22 31
	e Z 39 49			Traces.
7	Near E Coast Kamtchatka		9	e Z 10 37 51
	53 N, 158½ E H=12 57 15(USCGS)			Traces.
	e P Z 13 09 07		9	e Z 11 12 27
	e Z 45			e Sg Z 41
	PP Z 11 59			e Z 14 16
7	Arabian Sea 14 N, 57 E		9	New Hebrides 18 S, 169 E
	H = 15 34 50 (USCGS)			H = 11 23 51. (USCGS)
	e P Z 15 41 58			e PKP Z 11 43 23
	PP Z 43 23			PP Z 46 17
8	No Clear bigining 37 ½ N,		9	i Pg Z 12 20 17
	20 E. Ionian Sea.			Sg Z 27
	H = 08 30, 7 (BCIS)			Δ = 85 Km.
	e Z 08 33 11		9	e P(g) Z 12 24 37
8	Same Region of the precedent			Sg Z 47
	e P Z 16 07 38		9	Açores 38 N, 26W
	S Z 09 28			H = 17 47 41 (USCGS)(BCIS)
8	Atlantic Ocean 34½ N, 36W			e P Z 17 55 36
	H = 16 19 48			PP Z 57 16
	i P Z 16 28 42 C		9	Near W Coast of Sumatra
	PP Z 30 35			3½ N, 96½ E
8	e Z 19 47 42			H = 22 55 11 (BCIS)
	Traces			e P Z 23 06 26
9	Eastern TURKEY		10	e Z 01 00 41
	39½ N, 39½ E			10
	H = 02 44 08			i Pg Z 03 50 01
	e Pn Z 02 46 13			(Sg) Z 21
	Pb Z 37		10	Region Samoa Islands.
	Lg <sub>2</sub> Z 48 38			15½ S, 174 W
	Rg <sub>2</sub> Z 58			H = 09 08 02 (USCGS)
9	Central Hondo, JAPAN			e PKP Z 09 27 46
	35, 4 N, 140.1 E h = 70 Km.		10	e Pn Z 16 54 25
	H = 04 20 51 (JMA)		10	Region Samoa Islands.
9	Eastern TURKEY. Aftershock of			15½ S, 174W H=21 12 05(USCGS)
	(02 44 08) 40 N, 39½ E			e PKP Z 21 31 52
	H = 04 57, 8 (BCIS)		11	S of Bolivia 21 S, 64½ W
	e Pn Z 04 59 57			h = 300 Km. H=00 34 48
	e Z 05 02 19			e PKP Z 00 53 01

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11	e	Pn (Sg)	Z	05 22 59 23 51	15	S of Fidji islands 26 S, 178 $\frac{1}{2}$ E
11	e		Z	12 52 05		H = 23 32 35 h = 600 Km
	e		Z	53 11		(USCGS)
11		Entrecasteaux Islands. 9 S, 152 $\frac{1}{2}$ E H = 15 14 07 (USCGS, BCIS)			e	PKP Z 23 51 31 e Z 55 27
	e	PKP Z 15 33 03 PP Z 34 35			16	e Pg Z 00 55 36 Sg Z 56 00
11		Aftershock precedent 9 $\frac{1}{2}$ S, 152 $\frac{1}{2}$ E H = 16 37 40 (USCGS, BCIS)			16	Near of Somar Philippines 12 $\frac{1}{2}$ N, 125 E H = 06 37 48 (USCGS)
	e	PKP Z 16 56 38 PP Z 58 07				e P Z 06 50 41
11		Aftershock of June (15 14 07) Entrecasteaux Islands 9 $\frac{1}{2}$ S 152 $\frac{1}{2}$ E. H = 17 07 57 (USCGS) (PP) Z 17 28 26			16	Indian Ocean 2 S, 69 E H = 10 20 04 (USCGS, BCIS)
						e P Z 10 29 48 PP Z 31 57 PPP Z 33 19 (S) Z 37 28
11		Black Sea 42 $\frac{1}{2}$ N, 29 E H = 23 10 08 (Moskva)			16	e Z 11 52 46 Traces.
	e	Pn Z 18 06 42 Sg Z 07 07			17	Fidji islands 18 S, 178 W H = 05 02 34 (USCGS)
11	ei	Pg Z 23 10 35 Sg Z 11 00				e (PKP) Z 05 21 16
15		off Near Chile 45 S, 76 $\frac{1}{2}$ W H = 09 40 38 (USCGS)			17	e P(g) Z 14 36 48 i Z 37 10
	e	Z 10 02 43			18	Region Crete islands. 33 N, 24 $\frac{1}{4}$ E H = 02 04 09 h = 150 Km (BCIS)
15	e	Z 13 45 22				e Pn Z 02 05 (59) i Z 06 31
15		Near E Coast of Hondo, JAPAN. 40,1 N 142,5 E H = 15 36 53 (BCIS)			18	Rumania 45 $\frac{3}{4}$ N, 26 $\frac{1}{4}$ E H = 23 16,3 (BCIS)
	i	P Z 15 48 55 PP Z 51 53				e Pn Z 23 17 34 Sn Z 18 28
15		Kermadec Islands 32 S, 177 $\frac{1}{2}$ W H = 22 49 39 (USCGS)			19	e Z 02 31 46
	e	(P) Z 22 57 00			19	Central Region of Nord TURKEY. 39 N, 38 $\frac{1}{2}$ E. H = 02 29 30 (USCGS)
	e	PKP Z 23 09 46				e Pn Z 02 31 (24) Sg Z 33 32 LR Z 34 40 $\Delta = 850$ Km.
15		New Gine $\frac{1}{2}$ S, 133 E H = 23 27 40 (USCGS)				
	e	P Z 23 41 32 PP Z 45 40				

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19	Pb	Z	08	34	30	..	27	Kermadec islands 32½ S,	
	Pg	Z			36	..		178 W H = 16 50 24(USCGS)	
	Sn	Z		35	08	..		e Z 17 10 30	
19	e Pb	Z	10	35	21	..		Traces.	
	Sn	Z		36	01	..			
19	Region Fidji islands.						..	28	Mongoli 46½ N, 96½ E
	15 S, 178½ W.						..		H = 21 02 44 (BCIS)
	h=500 Km. H = 12 21 53(USCGS)						..		e P Z 21 11 32
	e	Z	12	40	40	..	28	SW of TURKEY 37¾ N, 27¾ E	
20	Near off Chile 38 S, 73½ W						..		H = 21 17 05 (BCIS)
	H = 02 01 08 (USCGS)						..		ei Pn Z 21 18 02
	e PKP	Z	02	20	05	..		i Z 12	
	PP	Z		21	38	..		Sg Z 19 02	
	( PS )	Z		31	36	..		Δ = 375 Km.	
	PKKS	Z		33	48	..	29	Near S coast of Chile	
	M	Z	03	12	-	..		43 S 74 W H = 01 57 16	
20	e	Z	06	35	31	..		(BCIS)	
20	Chile 39½ S, 73 W						..	29	Kermadec islands
	H = 12 59 45 (USCGS)						..		30 S, 177½ W
	e PKP	Z	13	18	38	..		H = 04 29 12 (USCGS)	
	PP	Z		20	14	..		PKP Z 04 49 19	
	PPP	Z		22	44	..		e Z 36	
	LR	Z	14	06	-	..		PP Z 53 21	
22	P(g)	Z	00	14	03	..	29	Atlantic Ocean	
	Sg	Z			43	..		47¼ N, 27 W	
23	i Pg	Z	07	12	56	..		H = 10 23 00 (BCIS)	
	(Sg)	Z		13	34	..		e P Z 10 30 39	
	for microseismis						..		e Z 31 29
23	i Pg	Z	07	14	42	..		PP Z 32 11	
	(Sg)	Z		15	20	..			
	for microseismis						..	29	Albani, GREECE border
23	e Pn	Z	15	39	49	..		region. 39¼ N, 20½ E	
	Sn	Z		40	02	..		H = 12 37 36 (BCIS)	
24	No record						..		e Pg Z 12 40 00
25	No record						..		(Sg) Z 41 14
26	Indian Ocean 26 S, 70½ E						..	29	e Z 13 37 36
	H = 16 48 44 (USCGS, BCIS)						..		Traces.
	e P	Z	18	00	39	..	29	e Z 13 41 30	
27	i Pg	Z	13	54	42	..		Traces	
	Sg	Z			45	..	29	Southern of Albani 39¾ N,	
							..		20¼ E. H = 13 42, 4(BCIS)
	e P(n)	Z		13	43	..		e P(n) Z 13 43 48	
	Sn	Z			44	..		Sn Z 44 54	
	Sg	Z			45	..		Sg Δ = Z 620 Km. 45 5.	

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29	e	P	Z	17	19	38	..	30	Kenai island, ALASKA.
							..		60 N, 151 W.
29	e	Pg	Z	18	26	53	..		H = 19 58 33 (USCGS)
	i	Sg	Z		27	14	..		i P Z 20 10 39 D
		Δ = 180 Km.					..		
30	e	P(n)	Z	05	23	38	..		
	e		Z		25	29	..		
		Sg	Z			50	..		
							..		

Zeki Uz

ADDITIF:

(Central Hondo JAPAN)

9	e	P	Z	04	33	47
	e		Z		34	03







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Cont'	e	Pn	Z	20	37	47	..	13	e	P	Z	09	52	52
	e	(PnPn)	Z			55	..		e	X			56	45
	i	X	Z		38	07	..	13	No record between 13 <u>00</u>					
	i	X	Z			26	..		and 15, 08 41					
	e	(S)	Z		39	08	..	15	e	Pg	Z	11	23	40
	e	(Rg)	Z			46	..		i	Sg	Z			51
9	No record between 08 <u>27</u> and													
11	07	05.												
11	e	X	Z	11	58	57	..	15	ei	Pg	Z	21	22	49
	e	X	Z			59	..		i	Sg	Z		23	25
	e	X	Z	12	02	20	..	16	e	Pg	Z	01	33	22
	e	X				56	..		e	Sg	Z		34	43
12	e	Pg	Z	01	57	22	..	16	i	(Sg)	Z	15	17	26
	i	Sg	Z			58	..							
	e	X	Z			43	..	17	e	Pg	Z	22	25	48
12	Seismic ?													
	e	X	Z	10	40	13	..		i	Sg	Z			59
							..		i	X	Z		26	03
12	i	(P)	Z	13	34	43	..	17	e	Pg	Z	23	32	38
	e	X				35	..		i	Sg	Z			48
						24	..		i	X	Z			52
12	e	X	Z	17	22	58	..							
12	i	(Sg)	Z	21	42	43	..	18	i	Pg	Z	11	52	10
							..		i	Sg	Z			(38)
13	Near east coast of Honshu													
	40.6 N , 142.0 E													
	i	P	Z	07	23	07	..	19	e	Pg	Z	22	20	50
	i	pP	Z			20	..		i	Sg	Z		21	04
	h about 50 Km.													
13	e	(P)	Z	09	10	11	..	22	i	Pg	Z	20	55	21
	e	X	Z			11	..		i	Sg	Z			46
							..		i	X	Z			53
							..		i	X	Z		56	08







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6	Time interpolated	Cont' H= 00 19 08.4
ei	P Z 12 50 47	10 e Pn Z 00 21 56
e	S Z 52 41	i (Pb) Z 22 25
		e Rg Z 24 (17)
6	Loyalty islands	10 Celebes Sea
	20°4 S, 169°4 E	4°0 N, 122°6 E
	M=6¼-6½(Pas.)	
e	PKP Z 14 22 23	e P Z 10 56 46
e	X Z 25 26	e pP Z 58 58
		h= 550
6	Near south coast of	10 i Pg Z 11 38 34 C
	Hokkaido, Japan.	i Sg Z 55
	41°9 N, 142°5 E	12 Ryukyu islands
		27°3 N, 128°4 E
i	P Z 15 36 31 C ?	M= 6½-6¾(Pas.)
e	X Z 41 06	
		ei P Z 12 29 11 C
7	Tristan da Cunha region	
	37°2 S, 16°1 W	16 e X Z 01 29 21
ei	P Z 01 30 27	e (Pb) Z 37
		ei Pg 51
		e Sb 30 46
		Lg <sub>1</sub> 56
7	Kurile islands	
	44°3 N, 149°1 E	17 Kurile islands
e	P Z 11 56 59	49°3 N, 155°4 E
		M= 6(Pas.)
9	Jan Mayen islands region	
	71°7 N, 1°3 W	ei P Z 08 17 30
e	P Z 20 11 03	
10	Crete 34°4 N, 26°4 E	17 Tonga islands
		20°9 S, 174°5 W
		M=6(Pas.)
		e PKP Z 20 15 59

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18	e	(P)	Z	14	29	15	..	27	e	P	Z	03	59	32
							..							
21		Iran	31°9 N, 50°4 E				..	27	e	P	Z	12	39	39
	e	P	Z	23	09	(33)	..							
22		Belgian Congo	3°4 S, 29°1 E				..	27	e	P(n)Z		16	25	42
							..		e	S	Z		26	51
	ei	P	Z	05	46	23 D	..	28	e	P		02	19	09
	e	(S)	Z		53	09	..	28	e	P	Z	22	25	14
							..		e	(S)	Z		27	10
22		Belgian Congo	3°3 S, 29°3 E				..							
			M=6¼ -6½ (Pal.)				..							
	i	P	Z	09	13	47	..							
22		Congo	2°8 S, 29°8 E				..							
	i	P	Z	09	23	02 C	..							
	i	P	Z			07 D	..							

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W

D

C

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PRELIMINARY SEISMOLOGICAL BULLETIN

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Istanbul 41 02 6 N, 28 59 1 E

1	e	Pg	Z	14	16	49	..	3	Honshu, Japan
	i	Sg	Z		17	34	..		36°8, 140°1 E
1							..	e	P Z 02 45 34
							..	3	e (Sg) Z 05 12 55
							..	3	i P Z 20 03 05 C
	ei	P	Z	16	23	32	..	6	e P Z 22 03 25
	i	X	Z			34 C	..		i X Z 33 C
1	e	(P)	Z	16	49	37	..		e X Z 04 59
1	e	P	Z	18	35	21	..	7	i Pg Z 04 24 27
	e	S	Z		36	39	..		i Sg Z 47
2							..	7	i Pg Z 04 57 32
							..		e Sg Z 53
	e	PKP	Z	12	13	12	..	7	Banda Sea 7°4 S, 130°7 E
2	e	P	Z	18	18	13	..		M=6 $\frac{1}{2}$ -6 $\frac{3}{4}$ (Berk.)
	i	X	Z			27	..		M=6 $\frac{5}{8}$ -7 (Pal.)
	e	X	Z		20	42	..	e	P Z 15 32 31
2	e	(Pg)	Z	23	13	42	..	e	pP Z 57
	e	Sg	Z		14	35	..	e	(PP) Z 36 47
3							..	8	Sea of Japan 40°0 N, 129°7 E
							..		M=6 $\frac{1}{2}$ -6 $\frac{3}{4}$ (Pas.), 6 $\frac{1}{4}$ -6 $\frac{1}{2}$ (Berk.)
							..		h about 608 Km.
	e	P	Z	00	55	51	..		

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Cont'

8 i P Z 06 03 27  
i pP Z 05 33  
e S Z 12 00

h = 600 Km.

8 i P Z 07 11 03 C

8 Yugoslavia 42°7 N, 19°6 E

H = 13 54 03.3

e Pn Z 13 55 40  
e S Z 57 19

8 Nicobar islands

7°9 N, 92°9 E

ei P Z 20 50 42 D

9 Near Coast of Northern  
Honshu, Japan.

40°8 N, 141°2 E

M = 6½(Pas.), 6(Pal.)

i P Z 09 12 27 D  
e X Z 15 18  
e X Z 17 10  
e S Z 22 11

9 Samoa islands region

15°1 S, 174°0 W

e (PKP) Z 10 10 53

13 Romania 45°2 N, 25°8 E  
i Pn Z 02 22 38

13 Kamchatka 54°8 N, 161°2 E  
M = 6½(Pas.), 6½-6½(Berk.)

ei P Z 15 04 24C  
e PcP Z 34  
e S Z 14 21

14 Fox Islands, Aleutian  
islands 51°7 N, 172°1 W

M = 6½(Pas. Berk., Pal.)

i P Z 21 31 46  
e S Z 42 (06)

14 North Atlantic Ocean  
55°5 N, 35°2 W

i P Z 23 03 44C

20 Santa Cruz islands  
region 11°0 S, 164°9 E  
M = 6½(Pas.), 5½-6(Berk.)

e PP Z 11 28 (38)

20 e Rg Z 13 06 20  
i Sg Z 41

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22 Solomon islands region  
 10°3 S, 161°2 E  
 M = 6½-6½(Berk.),  
 6¾-7(Pas.) 6(Pal.)

e	P	Z	08	40	57
e	X	Z		43	02

22 No record between 07 30 and  
 24 07 40.

24	e	(Pg)	Z	09	02	32
	e	Sg	Z,E		03	22

24	e	Pg	Z	15	49	05
	e	Sg	Z,E			55

26 Greece 40°3 N, 20°8 E  
 H=22 55 25.1

	e	P	Z	22	57	13
	e	S	Z		59	06

27	e	P	Z	11	03	44
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27 Near South Coast of  
 Sumatra 6°2 S, 104°0 E

	e	(P)	Z	14	59	14
	e	X	Z			47

27 Jan Mayen island region  
 71°3 N, 8°6 W

	e	(P)	Z	15	46	26
--	---	-----	---	----	----	----

27 Samoa islands region  
 15°2 S, 175°0 W  
 h about 253 Km.

	e	PKP	Z	22	47	08 D
	i	PKIKP	Z			11 D
	e	pPKP	Z		48	14
	i	(pPKIKP)	Z			17

28 Jan Mayen islands  
 71°3 N, 8°6 W  
 M = 5½(Pal.), 6¾(Pas.)

	e	P	Z	04	25	43
--	---	---	---	----	----	----

28 Jan Mayen islands  
 71°3 N, 8°4 W

	e	P	Z	07	53	38
--	---	---	---	----	----	----

28 Kamchatka 52°0 N, 157°4 E

	i	P	Z	13	29	59 D
--	---	---	---	----	----	------

28	e	P	Z	14	00	23
----	---	---	---	----	----	----

28 Near east coast of  
 Honshu, Japan  
 34°4 N, 141°1 E

	e	P	Z	22	41	42
	e	(pP)	Z		44	57

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29	Italy 44°0 N, 11°5 E (USCGS) Felt at Mugello Province 44°0 N, 11°3 E (BCIS)	29	e P(KP) Z 13 33 49
	e (P) Z 00 11 (52)	29	East of Sicily Mediterranean Sea 36°1 N, 17°8 E
	e L Z 16 --		e (P) Z 20 45 (57)
			e (S) Z 48 13
29	West Pakistan 25°5 N, 67°6 E	30	North Atlantic Ocean 47°5 N, 28°7 W
	e P Z 01 32 (14)		e P Z 08 40 47
29	North Atlantic Ocean 15°4 N, 46°4 W	30	Near Coast of Chile 23.3 S, 70.3 W M = 6 $\frac{3}{4}$ (Berk., Pas.)
	e P Z 04 28 05		e P Z 12 33 (52)
29	e P Z 07 40 30	30	Chile-Bolivia border 22°8 S, 68°0 W M = 6 $\frac{3}{4}$ (Pas.)
29	Samoa islands region 15°8 S, 172°9 W M = 5 $\frac{1}{2}$ -5 $\frac{3}{4}$ (Pal.)		e P Z 21 51 (25)
	e PKP Z 09 57 18		e X Z 21 57 57
	i PKIKP Z 23 D		
29	North Atlantic Ocean 47°4 N, 27°6 W		
	e P Z 12 01 54		

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3	e	Pb	Z	17	19	27	Cont' 9	M = 5½ - 5¾ (Pal.)
	e	Sg	ZE		20	28		e (PKP) Z 20 25 00
7		Kyushu, Japan					10	No time marks between
		32°2 N, 131°5 E						00 39 and 10, 08 52.
	e	P	Z	13	35	03		
8		North Atlantic Ocean					10	e P Z 10 27 24
		27°8 N, 44°3 W						e X Z 29 00
	e	P	Z	04	38	20	10	Near Coast of New-Ginea
								2°6 S, 139°4 E
								M = 6¾ (Pas.)
8		Kurile islands						i (P) Z 14 59 03 C
		45°2N, 149°8 E						
	e	P	Z	05	34	15	10	No time marks between
								21 11 and 11, 07 30
8		Kurile islands					13	Molucca Passage
		45°2 N, 149°7 E						1°4 N, 127°2 E
	e	P	Z	05	39	28		
8	i	(Sg)	Z	09	18	45		e P Z 06 50 22
								i (P) Z 51 21
								e PP Z 54 22
9		Sandwich islands					13	Fox islands, Aleutian
		60°7 S, 24°8 W						islands 51°1 N, 168°8 W
		M = 6¼ - 6½ (Pal.)						M = 7 (Pas.), 7¼ (Berk.)
	e	PKP	Z	03	37	13		6¾ (Pal.)
9		Near Coast of Chile						e Z 09 33 18
		23°2 S, 70°6 W						i P Z 19 D

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Cont'						16	e	(P)	Z	21	46	(00)			
13	e	PP	Z	36	43										
	e	S	ZE	43	48										
	e	X	ZE	59	17	16				Sinkiang Province China					
										38°0 N, 89°5 E					
13		Fox island, Aleutian isl.					i	P	Z	23	08	11 D			
		51°1 N, 168°6 W					i	X	Z			16			
	e	P	Z	13	37	13									
13	ii	Pg	ZE	13	55	40									
13	e	P	Z	20	53	20									
14		Fiji islands region					17			Fox islands, Aleutian					
		20°5 S, 177°7 W								islands 52°4 N, 170°1 W					
	e	PKP	Z	18	12	15				ei	P	Z	19	59	28 D
15		Antarctic Ocean : t					18			East of Crete					
		62°5 S, 161°7 W								Mediterranean Sea					
		M=5½ - 5¾ (pal.)								35°0 N, 28°6 E					
	e	PKP	Z	06	44	(19)				H=06 03 37°5					
							e	P	Z	06	05	32			
15		Near Burma-India border					19	e	Pg	Z	12	10	22		
		23°2 N, 94°3 E						i	(Sg)	Z			42		
	e	P	Z	09	15	34									
16		South of Fidji islands					22			Indian Ocean North of					
		region 23°7 S, 179°3 E								Crozet islands					
	i	(PKIKP)	Z	01	42	01				35°9 S, 52°3 E					

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Cont'

22 M =  $6\frac{3}{4}$ (Pas.)  
 ei P Z 06 42 59  
 i X 43 01 D

22 ei X Z 07 37 46  
 i X Z 38 27

23 Time correction not available  
 between 07 10 and 26/XI/ 09<sup>h</sup>  
 32<sup>m</sup>

27 e (P) Z 17 32 01

27 Belgian Congo 3°1 S, 29°1 E  
 e P Z 20 45 33

28 Near Coast of Turkey  
 36°2 N, 31°1 E  
 h about 71 Km.  
 H = 05 12 50.1  
 ei Pn Z 05 14 06  
 i Pb Z 15  
 e Rg Z 15 46

Deeper than normal ?(UTI)

28 i P Z 21 48 00  
 i X Z 43  
 e (S) Z 54 55

29 Ryukyu islands  
 26°5 N, 126°1 E  
 i P Z 14 18 49

ADDITIF:

9 Szechwan Province, China  
 32°7 N, 103°4 E  
 M=  $6\frac{1}{4}$  -  $6\frac{1}{2}$ (Pal.)  
 e P Z 10 53 36  
 i P Z 39 C

Sadettin Kesili

Balamir Uçer







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8	i	X	E	23	55	47	..	10	Samoa islands region
							..		15°0 S, 172°3 W
							..		e PKP Z 13 52 (24)
							..		
9	i	X	E	01	55	29	..	10	Celebes Sea
							..		1°5 N, 124°3 E
							..		
9	e	(Pg)	E	04	34	41	..		e P Z 14 08 01
							..		
9	i	X	Z	11	13	56	..	10	e Pg Z 16 19 33
	i	Pg	Z E			58	..		e Sg Z E 20 12
	i	Sg	N		14	16	..		
							..		
9	e	P	Z	14	06	55	..	11	Loyalty islands region
							..		22°1 S, 171°4 E
							..		ei PKP Z E 00 20 30 D
9	e	Pg	Z	15	49	32	..		e X Z E 23 42
	e	Sg	Z E			36	..		e X Z 34 (35)
							..		
9							..	11	Sin-kiang Province, China
							..		36°8 N, 84°5 E
	ei	P	Z	21	31	47	..		e P Z 01 16 06
							..		
10	e	P	Z E	01	20	17	..	11	e PKP Z 01 36 (41)
							..		
10	e	P	Z E	05	29	58	..	11	Molucca Passage
	e	X	Z E		32	09	..		1°6 N, 126°4 E
							..		e (P) Z 03 31 31
10	e	P	Z	12	40	44	..		
							..		

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11	e	P	Z	10	21	56	..	14	Macquarie islands
	e	S	Z		26	18	..		region 51°9 S, 160°7 E
							..	e	PKP Z 14 43 (03)
11	New Hebrides islands region						..	15	Molucca Passage
	15°7 S, 166°9 E						..		2°9 N, 126°5 E
	M = 6½ - 6½ (Pas.)						..		M = 6½ (Pas., Berk.)
	e	PKP	Z	19	12	16	..	i	P Z 00 04 38 C
	e	X	Z		14	56	..	e	pP Z 05 01
12	e	Pg	Z	00	25	42	..	e	(PP) Z 08 20
	e	Sg			26	01	..	e	S E 15 05
13	Macquarie islands						..	15	ei Pg Z 14 29 54
	52°1 S, 160°9 E						..	e	Sg Z 30 32
	M=7½(Pas.), 7(Pal.)						..	16	Fox islands
	e	PKP	Z	07	55	53	..		51°1 N, 170°6 W
	i	X	Z		56	00	..	e	P Z 01 32 48
	i	X	Z			03	..	16	Fiji islands region
	i	X	Z			10	..		16°3 S, 178°0 E
	Other phases lost						..	e	PKP Z 09 11 50
	during the Changing of the						..	16	Near coast of Eritrea
	paper.						..		13°6 N, 42°3 E
13	Bonin islands region						..	e	P Z 16 55 18
	27°7 N, 142°4 E						..		
	e	(P)	Z	10	16	34	..		





