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May, 1958

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U. S. DEPARTMENT OF COMMERCE

Sinclair Weeks, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

H. Arnold Karo, Director

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National Oceanic and Atmospheric Administration

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1958

The instrumental results of the following stations are tabulated in this report.

**Balboa Heights, C. Z. (BH)
The Panama Canal Co.
*Boulder City, Nev. (BC)
Bureau of Reclamation
*Bozeman, Mont. (BOZ)
Montana State College
*Butte, Mont. (BUT)
Montana School of Mines
*Chicago, Ill. (CHI)
University of Chicago and
U. S. Weather Bureau
College, Alaska (COL)
*Columbia, S. C. (COLU)
University of South Carolina
*Eureka, Nev. (EUR)
Eureka Corporation Limited
Honolulu, T. H. (HONO)
*Hungry Horse, Mont. (HH)
Bureau of Reclamation
Kipapa, T. H. (KIP)
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Philadelphia, Pa. (PHIL)
The Franklin Institute
**Rapid City, S. Dak. (RC)
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJ)
Sitka, Alaska (SIT)
Tucson, Ariz. (TUC)
Tucson, Ariz. Telemeter (TUC-T)
Ukiah, Calif. (UK)
International Latitude Observatory
Washington, D. C. (WASH)

*Indicates a station maintained by a local institution in cooperation with the Coast and Geodetic Survey.
**Indicates a station operating on an independent basis.
Other stations are observatories of the Coast and Geodetic Survey.

All seismogram interpretations are made or revised at Washington except those for Balboa Heights. Beginning January 1, 1958 the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States. The horizontal instruments will continue in operation and the seismograms for the local and regional earthquakes will be scaled and the data published.

All magnitude determinations are by Pasadena unless otherwise stated. Minor earthquakes are listed at the end of the bulletin.

One asterisk (*) following an origin time indicates probable error of one-tenth. Two asterisks (**) following an origin time indicates error of one quarter minute. All origin times and locations are determined from P data only. For Pasadena epicenters the time is given in one-tenth minute.

All seismograms are on file in the Coast and Geodetic Survey, except those from Balboa Heights, which may be obtained on loan by addressing the Seismograph Station Director, Meteorological and Hydrographic Office, Panama Canal Company, Balboa Heights, Canal Zone.

Tucson telemeter is located 9 miles northeast of Tucson at 32°20.1' North, 110°43.4' West. It was established in December 1957 to serve as an outpost station.

Date 1958	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
May	h m s	°	°	
1	00 29 15*	13½ S.	167½ E.	New Hebrides Islands. h about 200 km. Mag. 6¼.
1	06 10 15**			Banda Sea.
1	07 12 07*	18½ N.	120½ E.	Near west coast of Luzon, Philippine Islands. Felt at Laoag.
1	09 31 43*	½ S.	120 E.	Celebes.
1	12 33 28*	25½ N.	141 E.	Volcano Islands. h about 400 km.
2	20 29 18*	16½ N.	99 W.	Near coast of Guerrero, Mexico. Mag. 6¼-6½.
2	21 20 13*	28½ N.	55 E.	Southern Iran.
3	06 37 55*	4 N.	128½ E.	Molucca Passage.
3	20 18 16*	36½ N.	22 E.	Near south coast of Greece.
5	05 21 33*	36½ N.	45½ E.	Iran-Iraq border.
5	06 31 39*	9½ S.	27½ E.	Belgian Congo.
5	13 32 53*	52 N.	172½ W.	Andreanof Islands, Aleutian Islands. h about 60 km.
5	23 53 29*	57½ N.	136½ W.	Near coast of southern Alaska. Felt at Juneau and Sitka.
6	01 14 20*	52 N.	173½ W.	Andreanof Islands, Aleutian Islands.
7	14 47 35*	35½ N.	71 E.	Afghanistan-Pakistan border.
7	21 57 03*	50 N.	158½ E.	Kamchatka region.
8	02 47 14*	45½ N.	28 W.	North Atlantic Ocean.
8	12 40 46*	24 S.	67 W.	Salta Province, Argentina. Felt at Antofagasta, Chile. h about 200 km. Mag. 6¼-6½.
9	00 44 12*	1½ N.	94½ W.	Galapagos Islands region. Mag. 6.
9	02 40 46*	36½ N.	27½ E.	Dodecanese Islands. Slight damage on Rhodes.
9	04 40 20*	31 S.	65½ W.	Cordoba-LaRioja Provinces, Argentina. h about 100 km. Mag. 6¾.
10	22 54 40*	65 N.	152½ W.	Central Alaska. Felt at College and Tanana. Mag. 6¼-6½.
10	23 13 19*	64½ N.	152½ W.	Alaska aftershock. Felt at College.
11	00 36 02**			Celebes.
11	05 23 54*	65 N.	152½ W.	Central Alaska. Felt at College. Mag. 6¼-6½.
11	05 37 01*	65 N.	151½ W.	Alaska aftershock. Felt at College.
11	09 08 43*	65 N.	152½ W.	Alaska aftershock. Felt at Tanana.
11	12 11 22*	65 N.	153½ W.	Alaska aftershock. Felt at Fairbanks and Tanana.
11	17 50 00**			Marshall Islands region.
12	05 38 16*	52 N.	169½ W.	Fox Islands, Aleutian Islands.
12	16 50 05*	31 N.	140½ E.	South of Honshu, Japan. h about 150 km.
12	17 48 51*	13 S.	167½ E.	New Hebrides Islands.
12	18 29 58*	12 N.	162 E.	Marshall Islands region.
12	21 12 16*	6½ S.	75½ W.	Peru. h about 150 km.
12	22 16 00*	53½ N.	168 W.	Fox Islands, Aleutian Islands.
14	03 58 09*	4½ S.	153 E.	New Ireland. Felt at Londolovit, Namatana, and Rabaul.
14	12 35 42*	12½ N.	95 E.	Andaman Islands region.
14	17 41 18*	47 N.	77 W.	Quebec Province, Canada.

Date 1958	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
May	h m s	°	°	
15	04 24 50*	51½ N.	173½ W.	Andreanof Islands, Aleutian Islands.
15	04 40 54**			Tonga Islands region.
15	07 01 56*	11½ S.	165 E.	Santa Cruz Islands.
15	09 43 46*	13 S.	166½ E.	New Hebrides Islands.
15	15 45 53*	13 S.	166½ E.	do.
15	18 41 23**			Fiji Islands.
16	01 30 00*	12½ N.	161 E.	Marshall Islands region.
16	02 04 06*	52 N.	173½ W.	Andreanof Islands, Aleutian Islands.
16	20 21 09*	18 N.	68½ W.	Mona Passage. Felt at Ciudad Trujillo, Dominican Republic.
17	05 25 34*	32 N.	11½ E.	Libya.
17	07 02 25*	3 S.	147½ E.	Bismarck Sea.
17	15 38 20*	51 N.	179 W.	Andreanof Islands, Aleutian Islands.
17	17 43 45*	18½ S.	174½ W.	Tonga Islands.
18	02 32 52*	13 S.	167 E.	New Hebrides Islands. Mag. 6¼-6½.
18	03 31 18*	13 S.	167 E.	New Hebrides aftershock.
18	05 26 44*	13 S.	167 E.	New Hebrides Islands. h about 60 km.
18	12 21 18*	13 S.	167 E.	New Hebrides aftershock. Mag. 6-6¼.
19	00 06 00*	13 S.	167 E.	New Hebrides aftershock.
20	05 44 47*	25 S.	180	South of Fiji Islands. h about 550 km.
21	04 45 24*	22 N.	121 E.	Near south coast of Formosa. h about 100 km.
21	14 08 18*	17½ N.	63 W.	Leeward Islands. h about 150 km.
22	02 27 45*	59½ N.	151 W.	Kenai Peninsula, Alaska.
22	11 32 50*	50½ N.	175 W.	Andreanof Islands, Aleutian Islands.
22	15 08 00*	3 S.	146 E.	Bismarck Sea.
22	22 09 56*	52½ N.	167 W.	Fox Islands, Aleutian Islands.
23	06 49 47*	44½ N.	116 W.	Idaho. Felt at Boise, Cascade, and Horseshoe Bend.
24	16 33 01*	6 S.	146 E.	New Guinea.
24	23 04 42*	40½ N.	125 W.	Off Cape Mendocino, California. Mag. 4¾ (Berk.)
25	00 35 23*	51½ N.	177 W.	Andreanof Islands, Aleutian Islands. Mag. 5½-5¾.
25	14 54 30*	51½ N.	177 W.	do.
25	16 54 26*	14½ S.	174 W.	Samoa Islands region.
25	17 40 47*	31 N.	129½ E.	Near west coast of Kyushu, Japan.
25	21 11 45*	3 S.	77 W.	Ecuador-Peru border region. Felt in Ecuador. h about 100 km. Mag. 6½.
26	08 49 47*	3 S.	77 W.	Ecuador-Peru aftershock. h about 100 km.
26	09 06 51*	3½ S.	78½ W.	Ecuador-Peru border.
26	10 56 30*	53 N.	169½ W.	Fox Islands, Aleutian Islands. Mag. 6-6¼.
26	16 18 10*	17½ S.	178½ W.	Fiji Islands. h about 600 km.
27	18 27 28*	36½ N.	26½ E.	Dodecanese Islands.

Date 1958	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
May	h m s	°	°	
27	23 32 43*	5½ S.	146 E.	Near north coast of New Guinea.
28	02 14 11**			New Ireland region.
28	16 45 54*	46½ N.	113 W.	Western Montana. Felt at Anaconda, Butte, and Philipsburg.
29	03 15 50*	38 N.	72½ E.	Tadzhik S. S. R.
29	03 39 36*	20 S.	177 W.	Fiji Islands region. h about 350 km.
29	05 21 29*	27½ N.	139½ E.	Bonin Islands region. h about 450 km.
29	06 59 11*	16½ N.	97½ W.	Oaxaca, Mexico.
30	05 16 15*	41½ N.	44 E.	Georgia, S. S. R.
30	05 50 26*	7 S.	154½ E.	Solomon Islands.
30	16 11 40*	25 N.	122 E.	Near north coast of Formosa. h about 100 km. Felt in northern Formosa.
30	18 04 50*	52½ N.	169 W.	Fox Islands, Aleutian Islands. Mag. 6-6¼.
30	19 09 09*	52½ N.	168½ W.	Fox Islands, Aleutian Islands.
30	21 14 17**			Southern Bolivia.
30	21 20 05**			Fiji Islands region.
31	08 01 27*	21½ S.	64 W.	Southern Bolivia.
31	09 31 18*	41½ N.	44½ E.	Georgia, S. S. R.
31	19 32 30*	15 S.	169 E.	New Hebrides Islands. Mag. 7½.

Date and Station		Phase	(GCT) h m s
May 1			
EUR		eP	00 19 52
May 1			
BC		iP	00 41 48
		ipP	42 39
		ePKKP	59 30
		eP'P'	01 07 43
BUT		eP	00 42 09
		epP	43 00
		e	44 19
COL		iP	00 41 32
		ipP	42 21
		iS	51 37
		ipS	53 16
		iPKKP	58 44
		eP'P'	01 07 28
		eL	13 43
COLU		eP'	00 47 37
EUR		iP	00 41 50
		ipP	42 40
		iPP	45 21
		ePKKP	58 03
		ipPKKP	59 27
		i	01 00 16
HONO		iP	00 37 42
		ipP	38 34
		iS	44 30
		isS	45 52
		iL	49 18
HH		iP	00 43 07
		ipP	43 58
		iPKKP	01 00 18
		iP'P'	07 31
KIP		iP	00 37 44
		ipP	38 35
		ePcS	42 43
RC		eP	00 42 37
		e	43 29
		e(pPKKP)	58 58
SLC		eP	00 42 05
		epP	42 57
		e	45 47
		eP'P'	01 07 34
SJ		iP'	00 48 02
		e	48 53
		epP'	49 22
		ePP	51 02
SIT		eP	00 41 32
		epP	42 22
		iS	51 34
		ePPS	53 12
		ePKKP	58 20
		eL	01 03 55
TUC		iP	00 41 58
		ipP	42 49
		e(PP)	46 18
TUC		eS	00 52 39
		esS	54 16
		ePKKP	59 24
		eP'P'	01 07 28
TUC-T		iP	00 41 59
		ipP	42 50
		ePP	45 40
		iPKKP	59 45
		e(pPKKP)	01 00 08
		eP'P'	07 27
		i	07 37
		e	08 28
UK		iP	00 41 24
		ipP	42 15
		esP	42 40
May 1			
COLU		eP	00 58 11
		e	59 10
		e	01 02 08
May 1			
SJ		eP	01 01 01
May 1			
EUR		eP	01 36 56
May 1			
EUR		eP	02 27 47
HH		eP	02 27 22
RC		e(P)	02 28 26
TUC		e(P)	02 28 55
May 1			
HH		iP	04 21 16
May 1			
COL		eP	05 30 47
		iP	30 54
EUR		iP	05 34 30
RC		eP	05 35 10
May 1			
EUR		eP'	06 28 52
TUC-T		eP'	06 29 02
May 1			
EUR		iP	06 39 40
HH		iP	06 44 27
May 1			
COL		eP	07 23 46
May 1			
COL		eP	09 44 48
		ePP	48 14
EUR		eP'	09 50 29
HH		eP'	09 50 49
RC		e(P')	09 52 31
May 1			
BC		eP	10 38 21
COL		eP	10 41 05
EUR		iP	10 38 30
HH		eP	10 38 40
TUC		eP	10 37 45
TUC-T		eP	10 37 44
May 1			
COL		eP	11 32 23
		iP	32 25
		i	36 06
EUR		iP	11 35 51
		ipP	36 04
HH		iP	11 35 19
		ipP	35 31
		iPP	37 30
RC		iP	11 36 30
		epP	36 44
TUC		eP	11 36 52
TUC-T		eP	11 36 53
May 1			
EUR		eP	11 41 38
May 1			
BC		eP	12 45 35
COL		iP	12 42 55
		ipP	44 29
		esP	45 05
EUR		iP	12 45 22
		ipP	47 00
HH		iP	12 45 06
RC		iP	12 45 49
SLC		eP	12 45 32
TUC		eP	12 45 57
TUC-T		eP	12 45 57
May 1			
COL		iP	13 31 25
EUR		eP	13 27 32
HH		eP	13 28 21
TUC		eP	13 26 22
TUC-T		iP	13 26 22
May 1			
TUC		eP	13 59 00
May 1			
EUR		eP	14 46 33
May 1			
HH		iP	16 27 24
May 1			
HH		eP	21 27 57
May 2			
COL		iP	04 27 59
		i	28 11
		i	28 30
		iL	29 07
May 2			
EUR		eP	07 40 36
May 2			
EUR		iP	07 48 13
TUC		eP	07 47 13
TUC-T		eP	07 47 13
May 2			
COL		iP	10 14 25
		i	14 39
May 2			
EUR		eP	10 33 00
May 2			
HH		iP	13 25 00
May 2			
EUR		iP	15 50 47
May 2			
COL		iP	16 24 36
EUR		iP	16 25 37
May 2			
COL		iP	19 08 01
May 2			
BC		eP	20 34 33
		e	35 38
		eL	41 58
BOZ		eP	20 35 38
		ePP	36 24
BUT		eP	20 35 43
		e	36 29
COL		eP	20 39 12
COLU		eP	20 34 36
		eS	39 06
EUR		iP	20 35 05
HH		iP	20 36 05

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Date and Station		Phase (GCT)
		h m s
RC	iP	20 35 10
	eL	44 00
SLC	eP	20 35 00
	e	35 12
	e	35 25
TUC	iP	20 33 40
	eS	37 21
	eL	38 13
TUC-T	iP	20 33 40
	eL	39 15
May 2 COL	iP	21 32 52
May 2 EUR	eP	22 39 31
May 3 SJ	iP	01 44 41
	e	44 53
	e(S)	45 25
	eL	45 37
May 3 SJ	iP	04 13 15
	e(S)	14 02
	eL	14 14
May 3 COL	iP	06 50 27
May 3 COLU	iP	08 12 50
EUR	eP	08 19 24
TUC	eP	08 18 23
TUC-T	eP	08 18 23
May 3 COL	iP	09 40 32
	ipP	41 13
EUR	iP	09 45 56
HH	iP	09 45 53
RC	eP	09 46 10
TUC	eP	09 46 07
TUC-T	iP	09 46 07
May 3 EUR	eP	09 56 36
May 3 BUT	eP	10 56 27
COL	iP	10 54 04
	i	54 16
	eS	54 28
	eL	54 31
HH	iP	10 56 35
	i	57 37
	i	59 05
May 3 EUR	iP	11 00 06
May 3 EUR	eP	11 31 30
May 3 RC	eP	15 04 18
May 3 BC	eP	17 37 02
EUR	iP	17 36 39
HH	e(P)	17 41 37
SLC	eP	17 37 53
	e	39 12
May 3 EUR	iP	17 47 02
May 3 EUR	iP	20 02 51
TUC	eP	20 01 25
	eL	06 09
May 3 BOZ	eP	20 31 10
BUT	eP	20 31 12
COL	iP	20 30 23
EUR	eP	20 31 43
HH	iP	20 31 05
RC	iP	20 30 59
SJ	eP	20 30 17
SIT	e(P)	20 30 57
	e	31 12
May 3 BOZ	eP	23 16 12
COL	iP	23 16 01
	e	16 41
EUR	iP	23 15 40
HH	iP	23 16 08
KIP	eP	23 09 50
TUC	iP	23 15 40
May 4 COL	iP	00 14 47
EUR	iP	00 14 17
TUC	eP	00 14 17
May 4 EUR	iP	10 55 52
HH	eP	10 55 28
May 4 HH	eP	11 04 26
May 4 COL	iP	19 57 48
	i	57 56
	iS	58 17
	iL	58 24
May 4 EUR	iP	20 12 55
TUC	iP	20 12 53
	e	14 47
TUC-T	iP	20 12 53
	e	14 48
May 4 EUR	iP	21 54 37
May 4 TUC	eP	22 04 27
May 5 EUR	iP	00 49 49
May 5 HH	eP	02 03 48
May 5 EUR	eP	02 31 00
HH	eP	02 31 35
May 5 COL	iP	05 33 37
EUR	ePP	05 38 55
HH	eP	05 34 51
	e	35 43
	ePP	38 35
TUC	eP'	05 40 28
May 5 COL	iP	05 42 32
	i	42 41
	iS	43 02
	iL	43 10
EUR	eP	05 48 34
HH	iP	05 47 31
May 5 EUR	eP	06 35 21
TUC	eP	06 34 14
TUC-T	eP	06 34 09
	e	34 13
May 5 EUR	eP	06 40 00
TUC	eP	06 38 48
	eL	51 27
TUC-T	eP	06 38 48
May 5 BC	eP'	06 51 12
BUT	eP'	06 50 54
	e	51 04
	ePP	54 18
	ePKS	54 35
COL	iP'	06 50 40
	iPP	52 28
	i	52 41
	e	07 02 45
	iPKS	03 42
EUR	e(P)	06 47 12
	eP'	50 55
	i	51 05
	i	51 16
	ePKS	54 44
HH	iP'	06 50 52
	i	51 03
	i	51 15
	i	51 26
	iPP	54 15
	iPKS	54 33
RC	iP'	06 50 43
SLC	eP'	06 50 59
	e	51 09
	ePP	54 28
	ePKS	54 44
TUC	e(P')	06 50 54
	iP'	51 03
TUC-T	eP'	06 50 49
	iP'	51 03
	i	51 14
	ePP	54 35
	ePKS	54 54
May 5 COL	iP	09 58 10
	i	58 21
	iS	59 10
	iL	59 20
EUR	eP	10 04 10
May 5 BOZ	eP	13 40 25
COL	iP	13 37 06
	ipP	37 21
	i	39 20

Date and Station		Phase	(GCT) h m s
COL		eL	13 44 08
EUR		iP	13 40 30
		ipP	40 43
HH		iP	13 40 00
		ePcP	42 18
RC		iP	13 41 10
		ipP	41 23
TUC		eP	13 41 32
		ipP	41 45
TUC-T		eP	13 41 31
		ipP	41 44
May 5 COL		iP	15 02 43
May 5 HH		iP	16 09 26
May 5 EUR		eP	22 19 29
May 5 EUR		eP	22 53 06
HH		eP	22 53 56
TUC		eP	22 52 31
TUC-T		eP	22 52 20
May 5 EUR		eP	23 00 01
May 5 BOZ		eP	23 58 02
		e	59 07
		eS	00 01 44
		eL	03 40
BUT		eP	23 57 51
		e	59 06
		e(S)	00 01 31
		eL	03 09
COL		eP	23 55 45
		iP	55 46
		i	55 53
		e(S)	57 29
		iL	58 07
EUR		iP	23 58 29
HH		iP	23 57 20
		iL	00 01 55
RC		iP	23 58 54
		eL	00 06 21
		iP'P'	33 34
SLC		eP	23 58 40
		e	00 00 01
		eL	05 28
SIT		iP	23 53 42
TUC		eP	23 59 47
		ePP	00 01 06
		eL	09 40
TUC-T		eP	23 59 47
		eL	00 10 07
May 6 COLU		eP	00 16 08
		e	16 44
WASH		e	00 15 29
May 6 COL		eP	01 18 35
		i	18 47
		iS	22 04
		iL	24 02
EUR		iP	01 22 06
HH		iP	01 21 34
SLC		eP	01 22 19
TUC		eP	01 23 08
TUC-T		eP	01 23 07
		ePcP	24 32
May 6 TUC		eP	03 43 24
TUC-T		eP	03 43 25
May 6 EUR		eP	04 29 15
HH		iP	04 28 35
May 6 COL		iP	07 09 24
EUR		iP	07 12 54
HH		iP	07 14 41
TUC		eP	07 13 55
TUC-T		eP	07 13 55
May 6 KIP		eP	07 46 03
May 6 COLU		eP	11 15 56
May 6 EUR		eP	12 14 48
May 6 HH		eP	14 04 53
May 6 COL		iP	14 06 22
EUR		eP	14 09 59
HH		iP	14 09 38
May 6 COL		iP	14 34 19
EUR		eP	14 34 43
HH		iP	14 33 54
May 6 COL		iP	16 39 54
HH		iP	16 44 54
May 7 COL		eP	00 17 38
May 7 EUR		eP	02 58 20
May 7 COL		iP	03 52 10
May 7 BOZ		eP	07 39 25
BUT		eP	07 39 28
COL		iP	07 39 49
		i	41 51
EUR		eP	07 40 14
		i	41 42
RC		eP	07 38 59
TUC		eP	07 40 30
		e	41 58
TUC-T		eP	07 40 29
May 7 EUR		iP	07 54 49
TUC		eP	07 55 05
May 7 EUR		eP	08 21 24
TUC		eP	08 21 45
May 7 EUR		iP	08 56 15
TUC		eP	08 55 31
May 7 COL		eP	09 13 45
May 7 EUR		eP	10 27 15
TUC		eP	10 25 54
		eL	31 49
TUC-T		eP	10 25 54
		eL	31 47
May 7 EUR		iP	11 30 04
May 7 COL		eP	13 41 10
May 7 COL		iP	14 59 25
May 7 EUR		eP	17 30 06
May 7 COL		iP	22 03 26
EUR		iP	22 07 01
RC		iP	22 07 28
		e	08 10
		e	25 08
May 8 EUR		eP	01 14 33
TUC		e(P)	01 14 55
TUC-T		e(P)	01 14 35
		e	14 55
May 8 BOZ		eP	02 56 52
BUT		eP	02 56 57
COL		iP	02 57 25
		ePP	59 39
EUR		iP	02 57 38
RC		iP	02 56 23
		e	56 33
SJ		eP	02 55 07
		ePcP	57 15
TUC		iP	02 57 46
TUC-T		iP	02 57 45
May 8 COL		eP	05 16 04
		iP	16 09
May 8 EUR		eP	06 11 35
TUC		e(P)	06 10 31
		eL	16 07
TUC-T		e(P)	06 10 31
		eL	16 04
May 8 EUR		iP	06 32 27
May 8 COL		eP	07 45 40
		i	46 16
May 8 COL		iP	11 01 36

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Date and Station		Phase (GCT)
		h m s
EUR	iP	11 01 48
TUC	eP	11 01 56
TUC-T	eP	11 01 56
May 8		
EUR	eP	11 40 05
May 8		
BH	iP	12 47 29
	eS	52 53
BC	eP	12 51 51
	i	51 56
	eS	13 01 21
	eScS	02 38
BOZ	eP	12 52 42
	epP	53 28
	e	53 49
	e	54 25
	e(S)	13 02 21
BUT	eP	12 52 46
	epP	53 32
COL	iP	12 54 48
	ipP	55 37
	i	58 14
	ePP	59 09
	iPP	59 22
	eSKS	13 05 12
	iS	06 32
	e	07 21
	ipS	07 50
	iSP	08 29
	e	10 15
	eSS	13 38
	eSSS	15 18
	eL	18 15
COLU	iP	12 50 35
EUR	iP	12 52 30
	ipP	53 19
	ePKKP	13 10 16
	i	11 29
	eP'P'	19 15
HH	iP	12 52 58
	ipP	53 45
RC	iP	12 52 15
	eP'P'	13 19 34
SLC	eP	12 52 24
	i	52 28
	epP	53 03
	e	54 13
SJ	eP	12 48 22
	iP	48 24
	e	48 41
	iPcP	50 10
	iPPP	51 09
TUC	iP	12 51 43
	epP	52 27

Date and Station		Phase (GCT)
		h m s
TUC	eS	13 00 44
	eScS	01 28
	eP'P'	19 43
TUC-T	iP	12 51 42
	ipP	52 28
	e	53 28
	iP'P'	13 19 39
	epP'P'	20 38
WASH	iP	12 51 45
	i	52 07
May 8		
EUR	iP	13 29 33
May 8		
COL	eP	14 56 22
	iP	56 33
	i	57 00
EUR	eP	14 55 34
May 8		
RC	eP	17 02 28
May 8		
EUR	e(P)	22 40 09
TUC	eP	22 39 02
	i	39 10
	e(S)	39 59
	eL	40 01
May 8		
BH	iP	22 57 47
	iS	58 33
May 9		
BH	iP	00 48 10
	iS	51 30
BOZ	eP	00 52 44
BUT	eP	00 52 49
	ePcP	54 18
COL	eP	00 55 49
	i	55 53
	e	56 23
	eL	01 15 08
COLU	iP	00 51 07
	ePP	52 09
EUR	iP	00 52 14
RC	iP	00 52 17
SLC	eP	00 52 11
	e	52 32
SJ	iP	00 50 46
	e	51 54
TUC	eP	00 51 04
	e(S)	56 42
	eL	59 14

Date and Station		Phase (GCT)
		h m s
TUC-T	iP	00 51 04
WASH	eP	00 51 55
	ePcP	53 31
May 9		
BC	eP	01 39 24
	eS	39 40
	eL	39 49
May 9		
EUR	eP	01 53 53
TUC	e(P)	01 52 41
TUC-T	eP	01 52 41
May 9		
BOZ	eP	02 53 48
	e	54 49
BUT	eP	02 53 49
	e	54 05
COL	iP	02 52 51
EUR	eP	02 54 20
	ePP	58 10
	ePKKP	03 10 56
HH	i	02 56 01
RC	iP	02 53 38
SJ	iP	02 53 10
TUC	e(P)	02 54 40
TUC-	e(P)	02 54 46
May 9		
COL	iP	04 40 06
	i	40 41
EUR	iP	04 36 16
TUC	eP	04 36 05
TUC-T	eP	04 36 05
May 9		
COL	iP	04 45 38
	i	45 52
	iS	46 35
May 9		
BH	iP	04 48 06C
	iS	54 14
BC	eP	04 52 08
	e	52 22
	e	53 05
	e(S)	05 02 03
BOZ	eP	04 52 57D
	epP	53 29
	esP	53 44
	e	55 51

Date and Station		Phase (GCT)
		h m s
BUT	eP	04 53 02D
	e	54 29
	e	55 09
	e	55 42
COL	iP	04 55 01D
	ipP	55 46
	iP'	58 49
	e	59 40
	iPP	59 49
COLU	iP	04 51 01C
	epP	51 45
EUR	iP	04 52 46D
	isP	53 33
	ePKKP	05 09 52
	iPKKP	10 57
	eP'P'	18 52
	eP'P'P'	38 57
HH	eP	04 53 10
	iP	53 12
RC	iP	04 52 34D
SLC	iP	04 52 40D
	epP	53 11
	e	54 01
	e	54 41
SJ	iP	04 48 59D
	epP	49 30
	eS	55 54
May 9		
EUR	eP	05 42 03
May 9		
COL	iP	18 33 25
May 9		
COL	eP	18 55 04
EUR	iP	18 54 31
May 9		
EUR	eP	20 58 37
May 9		
TUC	eP	23 04 03
	e	04 46
TUC-T	eP	23 04 04
	e	04 42
May 10		
HONO	eP	02 08 48
KIP	eP	02 08 50
May 10		
COL	iP	04 11 57
	i	12 24
May 10		
COL	eP	10 36 09

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Date and Station		Phase	(GCT) h m s
EUR		eP	10 39 36
		i	39 50
TUC		eP	10 40 37
May 10 COL		eP	16 32 30
		e	34 39
May 10 COL		eP	18 41 01
May 10 SIT		eP	21 12 15
May 10 EUR		eP	22 53 33
May 10 TUC		e(P)	22 51 43
		i	51 59
		iL	53 00
May 10 EUR		eP	22 56 57
May 10 BC		eP	23 01 47
		e	02 02
BOZ		eP	23 00 48
		e	01 17
		eS	05 47
		eL	10 07
BUT		eP	23 00 47
		ePcP	03 37
		eS	06 06
		eL	09 43
COL		iP	22 55 12
		iS	55 32
		iL	56 04
COLU		iP	23 03 51
		e(S)	11 10
EUR		iP	23 01 19
		iPP	02 04
HH		iP	22 59 16
RC		eP	23 01 27
		e(PcP)	03 18
		eL	12 32
SLC		eP	23 01 22
		e	01 25
		ePP	02 21
		e	05 43
SIT		eP	22 57 24
		i	58 20
		eS	59 26
		iL	23 00 42
TUC		iP	23 02 30
		iPKKP	21 08

Date and Station		Phase	(GCT) h m s
WASH		e(P)	23 03 33
		eL	14 34
May 10 BC		eP	23 14 01
		e	14 41
		e	15 05
EUR		iP	23 15 04
TUC		eP	23 13 36
		i	13 47
		e	14 33
May 10 EUR		eP	23 16 52
May 10 COL		iP	23 13 53
		iS	14 16
		iL	14 25
EUR		iP	23 19 57
May 10 BH		eP	23 33 15
		eS	38 34
EUR		eP	23 32 29
May 11 EUR		eP'	00 54 47
May 11 EUR		eP	01 26 12
May 11 BH		iP	04 06 04
		iS	06 28
May 11 EUR		eP	04 59 27
TUC		eP	05 00 31
May 11 BC		eP	05 31 06
		eS	37 08
BOZ		eP	05 30 04
		e	31 34
		eS	35 06
		eL	39 15
BUT		eP	05 29 55
		ePP	31 50
		eS	35 21
		eL	38 15
COL		iP	05 24 25
		iS	24 50
COLU		iP	05 33 04
		e	33 34
		eS	40 30
EUR		eP	05 30 32

Date and Station		Phase	(GCT) h m s
HH		iP	05 29 37
RC		eP	05 30 41
		e	30 45
		eL	44 14
SLC		eP	05 30 38
		e	31 08
		eL	41 17
SJ		iP	05 35 25
		i	35 53
SIT		eP	05 26 42
		eS	28 44
		iL	29 59
TUC		iP	05 31 44
UK		eP	05 30 16
		eL	40 53
WASH		ePP	05 34 52
		eL	48 10
May 11 COL		iP	05 37 32
		iS	37 52
		iL	37 58
COLU		iP	05 46 07
		e	51 06
EUR		iP	05 43 36
TUC		eP	05 44 47
May 11 BH		eP	06 01 31
		eS	08 38
May 11 RC		eP	06 42 50
May 11 EUR		eP	07 53 17
RC		eP	07 53 04
SLC		eP	07 53 10
TUC		eP	07 52 16
May 11 BOZ		eP	08 57 10
		e	57 51
EUR		iP	08 58 09
RC		eP	08 57 12
		e	58 00
TUC		iP	08 57 21
		e	58 45
May 11 COL		iP	09 09 16
		iS	09 36
		iL	09 40

Date and Station		Phase	(GCT) h m s
EUR		iP	09 15 20
RC		e(P)	09 15 27
TUC		eP	09 16 30
May 11 BUT		eP	09 24 20
May 11 COL		iP	09 48 34
		iS	48 57
		iL	48 58
May 11 COL		eP	12 11 56
		iP	11 59
		iS	12 22
		iL	12 26
EUR		iP	12 18 02
		i	20 09
RC		e(P)	12 18 14
		e	20 23
TUC		e(P)	12 19 13
May 11 COL		iP	13 22 48
		iS	23 10
		iL	23 14
EUR		iP	13 28 50
RC		eP	13 28 57
TUC		eP	13 30 01
		e	30 06
May 11 EUR		eP	16 59 49
May 11 EUR		iP	17 44 54
May 11 BOZ		eP	18 01 57
BUT		eP	18 01 51
EUR		iP	18 01 39
RC		eP	18 02 28
		e	07 02
TUC-T		eP	18 02 06
May 11 EUR		eP	18 26 51
May 11 COL		iP	18 36 08
		iL	36 36
May 11 COL		iP	18 49 44
		iL	50 38

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Date and Station		Phase (GCT) h m s
May 11		
COL	iP	19 52 48
	iL	53 27
May 11		
SLC	eP	21 16 04
May 12		
COL	iP	00 58 37
May 12		
EUR	iP	01 02 05
May 12		
EUR	eP	02 20 16
May 12		
BC	eP	05 46 09
BOZ	eP	05 45 37
	e	45 54
BUT	e(P)	05 45 28
	e	45 44
COL	iP	05 42 14
	i	42 30
	eS	45 35
	iL	47 39
EUR	iP	05 45 42
RC	eP	05 46 22
SJ	eP	05 51 00
SIT	iP	05 43 07
	i	43 35
	eS	46 33
	eL	48 15
TUC	iP	05 46 45
TUC-T	iP	05 46 45
May 12		
EUR	eP	06 07 09
May 12		
EUR	eP	06 44 48
May 12		
EUR	eP	06 48 07
May 12		
COL	iP	06 53 57
EUR	eP	06 53 16
May 12		
COL	iP	13 11 31
May 12		
EUR	iP	13 24 04
May 12		
COL	iP	13 27 42
	i	29 17

Date and Station		Phase (GCT) h m s
EUR	iP	13 30 47
May 12		
BC	eP	17 02 17
BOZ	eP	17 02 02
BUT	eP	17 02 07
COL	iP	16 59 19
EUR	iP	17 02 03
	i	02 21
	iPP	05 03
HH	eP	17 01 44
RC	iP	17 02 29
SLC	eP	17 02 13
SIT	eP	17 00 09
TUC-T	iP	17 02 42
May 12		
COL	iP	17 53 23
	i	53 27
	iS	53 43
	iL	53 48
May 12		
BC	eP	18 41 59
BUT	eP	18 42 03
COL	iP	18 40 29
EUR	iP	18 41 52
RC	iP	18 42 39
TUC-T	iP	18 43 20
May 12		
COLU	eP	18 53 37
May 12		
COL	iP	19 58 28
	iS	58 53
May 12		
BC	eP	21 21 54
	epP	22 22
BOZ	eP	21 22 26
BUT	eP	21 22 32
COL	iP	21 25 06
	ipP	25 38
COLU	iP	21 19 55
EUR	iP	21 22 14
	eP'P'	51 50
RC	iP	21 21 55

Date and Station		Phase (GCT) h m s
SJ	iP	21 17 55
	ipP	18 23
TUC	iP	21 21 17
TUC-T	iP	21 21 17
May 12		
COL	iP	22 19 36
	i	19 40
	iS	23 54
	eL	23 31
EUR	iP	22 23 16
	i	23 31
	iPcP	25 35
SIT	iP	22 20 20
May 12		
COL	iP	23 22 28
	i	22 32
	iS	22 48
	iL	22 56
May 13		
EUR	eP	03 23 50
May 13		
COL	eP	03 30 08
EUR	eP	03 33 13
HH	eP	03 32 47
May 13		
EUR	eP	03 43 21
May 13		
COLU	eP	04 16 10
May 13		
EUR	eP	06 08 30
HH	eP	06 08 21
May 13		
COL	iP	08 15 11
	i	15 21
	iS	15 51
	iL	16 05
May 13		
BOZ	eP	10 12 11
COL	iP	10 08 47
EUR	iP	10 12 18
	i	12 36
HH	iP	10 11 46
	i	12 07
	i	16 23
RC	eP	10 12 56
	e	13 25
TUC	iP	10 13 17
	e	13 35

Date and Station		Phase (GCT) h m s
TUC-T	iP	10 13 17
	e	13 35
May 13		
EUR	iP	10 17 39
RC	iP	10 17 58
May 13		
COL	iP	11 17 54
	i	17 59
	iS	18 22
EUR	iP	11 24 00
HH	iP	11 23 00
TUC	eP	11 25 11
TUC-T	eP	11 25 11
May 13		
EUR	eP	12 41 29
TUC	e(P)	12 40 05
	eL	45 13
TUC-T	e	12 40 31
	e	45 16
May 13		
BUT	eP	13 50 35
	e	51 07
	e	51 20
EUR	iP	13 50 19
HH	iP	13 50 49
	i	51 22
	i	51 33
	i	51 48
RC	eP	13 50 02
SJ	iP	13 46 03
	e	46 26
	e	49 18
TUC	eP	13 49 28
	e	50 13
TUC-T	eP	13 49 29
	e	50 13
May 13		
EUR	eP	14 27 42
May 13		
EUR	iP	15 57 37
May 13		
EUR	eP	18 20 25
May 13		
RC	eP	22 49 58
May 14		
BC	eP	04 11 53

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Date and Station		Phase	(GCT)
			h m s
COL	iP		04 10 28
	i		10 51
EUR	eP		04 11 29
	i		11 51
May 14			
SLC	eP		04 25 08
May 14			
COL	iP		11 26 27
TUC	eP		11 26 08
	e		44 35
TUC-T	eP		11 26 09
	e		44 36
May 14			
COL	iP		11 59 44
	i		59 54
	iS		12 00 21
	iL		00 35
May 14			
COL	iP		12 48 43
EUR	iP'		12 54 36
HH	eP'		12 54 31
	i		13 04 45
SJ	iP'		12 55 18
	i		55 26
TUC	eP'		12 54 53
	e		55 10
TUC-T	eP'		12 54 53
May 14			
HH	eP		14 11 59
May 14			
COL	iP		15 02 33
May 14			
COLU	eP		17 47 25
	e		48 10
HH	eP		17 46 42
	e(S)		51 45
RC	eP		17 45 38
	eS		48 57
	eL		50 59
WASH	e(P)		17 45 29
May 14			
EUR	iP		20 44 37
May 14			
HH	iP		21 44 14
May 15			
COL	iP		00 03 27
EUR	iP		00 03 04
TUC-T	iP		00 03 06
May 15			
BC	eP		04 33 00
	e		33 11
BOZ	eP		04 32 32
	e		33 07
BUT	eP		04 32 24
	e		32 51
	e		33 10
COL	iP		04 29 11
	i		29 24
	eL		35 00
COLU	eP		04 35 37
	e		35 57
EUR	iP		04 32 37
HH	iP		04 32 07
	i		32 24
	e		33 49
	iPcP		34 38
KIP	eP		04 31 24
RC	iP		04 33 17
	eS		40 10
SJ	eP		04 37 36
SIT	eP		04 29 54
	i		30 24
TUC	eP		04 33 39
	i		33 43
	i		33 51
TUC-T	eP		04 33 39
	i		33 52
UK	eP		04 32 07
May 15			
COL	iP		04 53 57
	e		54 16
EUR	eP		04 53 35
HH	eP		04 54 01
TUC	eP		04 53 35
TUC-T	iP		04 53 35
May 15			
EUR	iP		06 07 36
May 15			
EUR	eP		06 20 44
May 15			
BC	eP		07 14 54
BOZ	eP		07 15 17
COL	iP		07 14 27
EUR	iP		07 14 55
HH	iP		07 15 30
TUC	eP		07 15 06
TUC-T	iP		07 15 06
May 15			
EUR	iP		09 56 42
HH	eP		09 56 57
TUC	eP		09 56 55
TUC-T	eP		09 56 55
May 15			
EUR	iP		10 52 33
TUC	e(P)		10 51 23
	e		51 37
TUC-T	eP		10 51 23
May 15			
HH	eP		14 58 48
May 15			
EUR	eP		15 58 49
May 15			
BC	eP		18 53 37
COL	iP		18 53 57
	i		54 17
	i		58 12
EUR	iP		18 53 40
	i		54 00
HH	iP		18 54 07
May 15			
EUR	eP		19 04 26
May 15			
COL	eP		19 21 20
May 15			
EUR	iP		19 32 40
May 15			
COL	iP		19 51 19
May 15			
EUR	eP		21 26 00
May 16			
BC	iP		01 42 00
	e		42 31
BOZ	eP		01 42 12
	e		42 40
COL	iP		01 40 32
EUR	iP		01 41 54
	iPcP		42 23
HH	iP		01 41 59
	i		42 28
RC	iP		01 42 41
	e		43 09
TUC	eP		01 42 21
TUC-T	iP		01 42 21
	e		42 50
May 16			
BC	eP		02 12 20
	e		12 29
BOZ	eP		02 11 49
BUT	eP		02 11 51
COL	iP		02 08 27
	i		08 45
	iS		12 20
COLU	eP		02 14 53
EUR	iP		02 11 54
HH	iP		02 11 22
	i		11 40
	i		13 00
	iPcP		13 53
RC	iP		02 12 33
SJ	eP		02 16 57
	e		17 04
SIT	eP		02 09 15
TUC	e(P)		02 12 54
	i		13 09
TUC-T	eP		02 12 55
	i		13 08
	e		13 15
May 16			
EUR	eP		02 17 31
May 16			
EUR	eP		03 22 29
May 16			
COL	eP		04 42 21
	i		42 39
EUR	eP		04 38 27
TUC	eP		04 37 16
TUC-T	eP		04 37 17
May 16			
COL	eP		06 04 45

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Date and Station		Phase (GCT)
		h m s
May 16		
COL	eP	09 30 34
HH	eP	09 31 29
May 16		
HH	eP	11 11 31
May 16		
BC	eP	15 26 54
EUR	iP	15 27 12
HH	iP	15 27 52
RC	eP	15 26 56
TUC	eP	15 26 25
TUC-T	iP	15 26 26
	e	27 13
May 16		
EUR	iP	16 37 41
May 16		
COL	iP	18 28 07
May 16		
BC	eP	20 29 28
BOZ	eP	20 29 29
BUT	eP	20 29 37
COL	iP	20 32 20
COLU	iP	20 25 44
	eS	29 14
EUR	iP	20 29 39
HH	iP	20 29 51
RC	iP	20 28 41
SJ	iP	20 21 51
	iS	22 12
	eL	22 19
TUC-T	eP	20 28 56
May 16		
EUR	iP	22 43 27
TUC-T	iP	22 44 27
May 16		
EUR	iP	22 52 49
HH	eP	22 52 56
TUC-T	eP	22 52 01
May 17		
BOZ	eP	05 38 24
COL	eP	05 38 01
	ePP	40 51

Date and Station		Phase (GCT)
		h m s
EUR	iP	05 38 56
HH	eP	05 37 22
	iP	37 24
May 17		
EUR	eP	06 25 07
HH	eP	06 25 48
May 17		
COL	iP	07 14 51
	eS	25 09
	eL	38 22
EUR	eP	07 16 08
HH	eP	07 16 09
RC	eP'	07 21 15
TUC	e	07 21 11
	eL	49 18
TUC-T	eP'	07 20 34
	i	20 52
May 17		
BUT	eP	09 16 13
EUR	iP	09 15 03
HH	iP	09 16 33
RC	eP	09 15 56
TUC	eP	09 13 08
	e(S)	15 16
	eL	15 24
TUC-T	eP	09 13 09
	eL	15 23
May 17		
SJ	eP	13 33 24
May 17		
COL	iP	14 38 08
	i	38 18
	iS	38 57
	iL	39 11
May 17		
BOZ	eP	15 46 33
	e	47 20
BUT	eP	15 46 23
COL	iP	15 43 11
	iS	47 09
	i	47 22
	eL	47 58
COLU	iP	15 49 29
EUR	iP	15 46 38
HH	iP	15 46 07

Date and Station		Phase (GCT)
		h m s
RC	iP	15 47 16
	i	47 25
SJ	eP	15 51 21
TUC	eP	15 47 42
	e	48 06
TUC-T	eP	15 47 38
May 17		
COL	iP	17 12 43
EUR	eP	17 12 09
TUC-T	eP	17 12 08
May 17		
BC	eP	17 55 49
COL	iP	17 56 26
EUR	iP	17 55 54
	i	56 13
HH	iP	17 56 26
TUC	eP	17 55 54
TUC-T	iP	17 55 55
UK	eP	17 55 28
May 17		
HH	eP	18 33 04
	e	35 02
SJ	eP	18 28 20
	i	30 24
May 17		
HH	eP	21 10 33
May 18		
TUC	eP	01 03 49
TUC-T	eP	01 03 50
May 18		
SLC	eP	01 33 15
May 18		
BH	eP'	02 52 43
	eS	03 02 21
BC	eP	02 45 50
	e	46 06
BUT	eP	02 46 07
COL	eP	02 45 28
	i	46 08
	ePP	48 26
	iS	55 49
EUR	eP	02 45 48
HONO	eP	02 41 46
	iPP	44 08

Date and Station		Phase (GCT)
		h m s
HONO	iS	02 49 04
	iL	54 06
HH	iP	02 46 08
SJ	eP'	02 52 25
TUC	iP	02 46 03
	e	46 28
TUC-T	iP	02 46 03
	i	46 23
	ePKKP	03 03 27
	eP'P'	11 39
	eL	14 38
UK	eP	02 45 25
May 18		
BH	eP	03 27 33
	eS	35 09
May 18		
BC	e(P)	03 44 15
COL	iP	03 43 55
EUR	iP	03 44 13
	i	44 39
HH	eP	03 43 35
RC	eP	03 45 46
TUC	eP	03 44 28
TUC-T	eP	03 44 29
	e	44 45
May 18		
BH	iP	03 56 18
	iS	59 27
May 18		
COL	iP	05 39 16
	epP	39 41
EUR	iP	05 39 38
TUC	e(P)	05 40 22
TUC-T	eP	05 40 06
May 18		
HH	e(P)	09 11 18
	e	11 38
	e	11 54
May 18		
COL	eP	09 19 37
	e	19 57
EUR	eP	09 20 00
May 18		
COL	iP	11 55 21
EUR	eP	11 55 59

Date and Station		Phase	(GCT) h m s
May 18			
BC		eP	12 34 18
COL		iP	12 33 55
		i	34 10
		ePP	35 44
		eS	44 18
		iS	44 25
		eSS	49 56
		eL	55 11
EUR		iP	12 34 15
		ePKKP	51 18
HONO		eP	12 30 17
		eS	37 20
		eL	42 03
HH		eP	12 34 31
		e	34 38
TUC		eP	12 34 28
		e	34 44
		e	35 32
TUC-T		eP	12 34 29
		e	34 45
		eL	13 02 42
May 18			
HH		eP	12 59 57
May 18			
BH		eP	13 14 35
		e	24 27
May 18			
COL		iP	13 30 43
EUR		iP	13 30 26
TUC		eP	13 30 28
TUC-T		eP	13 30 29
May 18			
COL		eP	19 20 01
		iS	21 42
May 18			
TUC		eP	21 19 57
May 18			
TUC		eP	21 46 51
May 18			
EUR		eP	22 25 24
May 18			
TUC-T		eP	22 46 05
May 19			
EUR		eP	00 09 34
TUC		eP	00 09 34
TUC-T		eP	00 09 35
		eL	17 56

Date and Station		Phase	(GCT) h m s
May 19			
BC		eP	00 19 22
COL		iP	00 18 38
EUR		eP	00 18 59
		i	19 23
HH		iP	00 19 18
		e	19 37
TUC		e(P)	00 19 50
TUC-T		eP	00 19 34
May 19			
EUR		eP	00 41 04
May 19			
COL		eP	02 28 15
		eS	31 51
EUR		eP	02 31 19
HH		iP	02 30 42
		i	30 46
May 19			
COL		eP	07 31 13
May 19			
EUR		eP	08 59 05
May 19			
BUT		eP	09 47 58
EUR		eP	09 48 04
May 19			
HH		iP	11 18 17
May 19			
COL		eP	13 03 46
		e	04 06
EUR		eP	13 03 51
TUC		eP	13 03 56
TUC-T		eP	13 03 57
May 19			
BH		iP	13 28 14
		iS	28 24
Felt: Balboa Heights Intensity II			
EUR		iP	13 36 02
May 19			
COL		iP	16 24 26
EUR		iP	16 27 38
May 19			
COL		iP	17 34 07

Date and Station		Phase	(GCT) h m s
May 19			
EUR		eP	17 43 02
		i	43 26
TUC-T		e(P)	17 42 14
May 19			
EUR		eP	19 13 13
May 19			
EUR		iP	21 39 38
TUC-T		eP	21 39 04
May 19			
COL		iP	23 27 16
		i	27 42
		i	28 24
May 20			
SLC		eP	03 33 23
		e	34 00
May 20			
BC		eP	05 56 38
		e	56 47
COL		iP	05 57 05
		ipP	59 00
EUR		iP	05 56 43
		ipP	58 38
		iPP	06 00 16
HH		iP	05 57 13
		i	06 00 53
		iPP	01 14
KIP		eP	05 53 02
SLC		eP	05 56 59
TUC		iP	05 56 42
		epP	58 38
TUC-T		iP	05 56 42
		ipP	58 39
		esP	59 26
		ePP	06 00 15
May 20			
COL		iP	06 07 26
May 20			
COL		iP	06 27 44
May 20			
EUR		eP	06 36 35
May 20			
COL		eP	07 47 18
		i	47 38
May 20			
EUR		eP	09 38 00
May 20			
EUR		iP	10 27 26

Date and Station		Phase	(GCT) h m s
May 20			
EUR		eP	10 37 40
HH		eP	10 37 31
		i	37 46
May 20			
HH		eP	12 27 07
May 20			
COL		iP	12 41 12
May 20			
COL		iP	13 22 40
EUR		eP	13 26 28
May 20			
BC		eP	15 15 56
COL		eP	15 11 50
		i	12 06
HH		iP	15 14 35
RC		eP	15 16 11
TUC		eP	15 16 37
May 20			
TUC-T		eP	16 03 17
		e	03 49
May 20			
BC		eP	19 26 34
COL		iP	19 27 16
		i	27 34
		i	28 30
RC		eP	19 27 31
TUC		eP	19 26 37
TUC-T		eP	19 26 37
May 21			
COL		iP	03 38 10
HH		eP	03 38 16
TUC		eP	03 37 49
TUC-T		eP	03 37 50
May 21			
SJ		eP	04 16 31
		i	17 53
May 21			
COL		eP	04 56 36
		epP	57 13
HH		eP	04 58 41
May 21			
HH		iP	10 25 45

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Date and Station		Phase (GCT)
		h m s
RC	eP	10 25 47
May 21		
COLU	eP	11 56 57
May 21		
BH	iP	14 12 25
BUT	eP	14 17 03
	e	17 28
COLU	eP	14 13 16
	e	13 38
	e(S)	17 25
	eL	17 43
EUR	iP	14 17 08
	i	17 33
HH	iP	14 17 14
	i	17 39
RC	iP	14 16 08
SLC	iP	14 16 48
	i	17 12
SJ	iP	14 09 09
	iL	09 45
TUC	eP	14 16 29
	e	16 40
TUC-T	iP	14 16 28
	e	16 53
	e(S)	21 48
UK	eP	14 17 50
	e	18 15
May 21		
COL	iP	15 04 25
May 21		
BC	eP	15 18 18
BUT	eP	15 19 19
EUR	eP	15 18 38
	iP	18 46
HH	eP	15 19 31
	i	19 38
TUC	e(P)	15 17 21
	iP	17 30
	eL	23 54
TUC-T	eP	15 17 21
	iP	17 29
May 21		
BH	iP	16 34 24
May 21		
SLC	eP	19 16 15

Date and Station		Phase (GCT)
		h m s
May 21		
BOZ	eP	21 35 05
May 22		
BOZ	e(P)	02 33 44
	e	34 09
BUT	iP	02 33 33
	i	33 38
COL	iP	02 29 06
	iS	29 27
	iL	29 42
EUR	eP	02 33 50
	i	34 03
	iPcP	36 50
HH	iP	02 33 01
	ipP	33 12
	iPcP	36 35
RC	eP	02 34 19
SIT	eP	02 29 42
	i	30 09
	eL	31 22
TUC	e(P)	02 35 15
TUC-T	eP	02 35 15
May 22		
TUC	e(P)	02 56 09
May 22		
EUR	eP	03 23 47
May 22		
COL	iP	04 59 45
EUR	eP	04 59 12
TUC	eP	04 59 08
TUC-T	eP	04 59 08
May 22		
COL	iP	08 28 38
May 22		
EUR	eP	09 58 36
May 22		
BH	iP	10 14 27
	iS	14 57
EUR	eP	10 21 23
HH	eP	10 22 05
TUC-T	eP	10 20 19
May 22		
BC	eP	11 41 10
	e	41 19
BOZ	iP	11 40 43
	e	41 06

Date and Station		Phase (GCT)
		h m s
COL	eP	11 37 27
	iP	37 29
	i	37 39
	i	38 47
	iS	41 12
	eL	42 03
COLU	eP	11 43 45
EUR	iP	11 40 47
	i	40 58
HH	iP	11 40 18
SIT	eP	11 38 13
	iS	42 38
	eL	44 30
TUC	iP	11 41 48
	i	41 59
May 22		
EUR	eP	12 25 42
May 22		
COL	iP	13 52 34
TUC	eP	13 52 02
	e	52 25
May 22		
COL	iP	14 43 21
	i	44 27
EUR	eP	14 48 02
May 22		
COL	iP	15 20 28
EUR	eP	15 21 42
HONO	e(S)	15 26 48
	eL	34 56
HH	e(P)	15 21 46
KIP	eP	15 18 16
SJ	eP'	15 27 48
May 22		
COL	eP	18 26 32
May 22		
COL	iP	19 23 43
	i	26 12
May 22		
BOZ	eP	20 16 59
	e	17 13
BUT	eP	20 16 08
	eS	16 14
	eL	16 20
COL	eP	20 17 48
EUR	eP	20 15 26

Date and Station		Phase (GCT)
		h m s
HH	iP	20 24 14
	i	24 30
	iS	25 15
	iL	25 32
RC	eP	20 20 13
TUC	eP	20 18 29
May 22		
BC	eP	22 17 32
BOZ	eP	22 17 04
COL	eP	22 13 41
	iP	13 43
EUR	iP	22 17 07
	iPcP	19 24
HH	iP	22 16 38
	iPcP	19 15
RC	iP	22 17 48
SJ	eP	22 22 17
SIT	eP	22 14 19
	i	14 28
	e	15 11
	iS	18 04
	eL	19 20
TUC	eP	22 18 12
May 22		
EUR	eP	23 38 16
May 23		
RC	e(P)	02 41 12
May 23		
COL	iP	04 03 12
	i	03 30
	iS	03 35
	iL	04 08
EUR	iP	04 08 50
May 23		
BC	e(P)	06 52 26
BOZ	eP	06 50 45
	i	50 57
	e	51 42
BUT	iP	06 50 33
	e(S)	50 42
	eL	50 54
COL	iP	06 55 30
EUR	iP	06 51 05
	i	51 12
	iS	52 18
	iL	52 23

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Date and Station		Phase (GCT) h m s
HH	iP	06 50 49
	i	51 01
	iS	51 27
	i	51 35
	iL	51 53
RC	iP	06 52 06
TUC	eP	06 53 05
	eL	56 48
UK	eP	06 51 56
	eL	54 10
May 23 COL	iP	07 55 42
EUR	eP	07 54 48
TUC	iP	07 54 45
May 23 EUR	eP	09 32 49
May 23 COL	iP	10 00 23
May 23 COL	iP	11 12 22
May 23 HH	iP	15 54 36
May 23 COL	iP	16 00 53
	i	03 06
EUR	iP	16 01 09
	i	04 43
May 23 COL	iP	18 18 42
	iS	19 03
	iL	19 09
May 23 COL	iP	21 02 46
	i	03 04
May 23 EUR	eP	21 35 29
May 23 COL	iP	23 49 30
EUR	iP	23 51 39
TUC	eP	23 52 11
May 24 EUR	eP	00 11 49
May 24 RC	eP	00 58 43
May 24 EUR	eP	01 57 44
TUC	eP	01 58 46
May 24 EUR	eP	04 44 57
HH	eP	04 44 28
TUC	eP	04 46 00
May 24 RC	eP	05 30 42
	e	31 18
May 24 EUR	eP'	07 49 07
May 24 COL	iP	10 14 00
	i	14 14
EUR	eP	10 15 07
HH	eP	10 15 12
May 24 COL	iP	10 51 00
EUR	eP	10 54 32
HH	iP	10 54 14
May 24 EUR	iP	11 20 45
HH	iP	11 20 14
TUC	eP	11 21 45
	e	23 16
May 24 COL	iP	16 30 57
May 24 COL	iP	16 45 41
	i	46 08
EUR	iP	16 46 50
HH	eP	16 46 55
May 24 EUR	eP	18 44 49
May 24 COL	iP	20 19 15
May 24 EUR	eP	20 28 38
May 24 EUR	eP	20 44 40
May 24 BOZ	eP	20 49 50
BUT	iP	20 48 43
	e	48 59
EUR	eP	20 49 16
	i	49 23
	eS	50 18
EUR	eL	20 50 26
May 24 EUR	eP	21 12 32
May 24 BUT	iP	21 19 31
	i	20 08
EUR	eP	21 20 05
	eS	21 09
	eL	21 14
HH	eP	21 19 42
	i	19 56
	iS	20 28
	iL	20 42
May 24 BH	iP	22 13 09
	iS	13 20
May 24 COL	iP	22 40 40
May 24 RC	e(P)	23 07 08
	e	07 37
	e	09 18
BOZ	eP	23 07 26
	e	07 53
BUT	eP	23 07 15
	e	08 35
	eS	09 10
	eL	09 16
COL	eP	23 10 38
EUR	iP	23 06 22
	i	06 46
	i	07 18
HH	iP	23 07 25
	i	07 33
RC	iP	23 08 30
SLC	eP	23 07 05
	e	08 17
	e	09 51
SIT	eP	23 09 03
TUC	iP	23 08 02
	i	08 16
	eL	11 48
TUC-T	iP	23 08 02
	i	08 16
UK	iP	23 05 11
	i	05 16
	iS	05 29
	eL	05 32
May 25 COL	iP	00 38 25
COL	i	00 38 44
	i	39 42
SIT	iP	00 37 12
	eS	37 25
	iL	37 45
May 25 RC	e(P)	00 44 07
BOZ	e(P)	00 44 24
BUT	eP	00 43 16
	e	43 30
	eScP	47 33
COL	iP	00 40 05
	i	40 24
	iS	43 59
	eL	44 01
COLU	eP	00 46 25
HH	iP	00 43 00
	eS	49 01
RC	eP	00 44 08
SLC	eP	00 43 50
SJ	eP	00 48 19
	eL	01 20 50
SIT	iP	00 40 53
	eS	45 10
	eL	49 55
TUC	iP	00 44 29
TUC-T	eP	00 44 29
	eL	01 00 52
UK	eP	00 42 53
WASH	eP	00 46 15
	eL	01 06 41
May 25 COL	eP	01 30 23
May 25 TUC	iP	01 33 53
	e	34 36
	eS	35 27
	eL	35 34
TUC-T	iP	01 33 55
	eS	35 27
	eL	35 41
May 25 TUC	eP	06 26 13
May 25 COL	eP	07 21 07
May 25 BOZ	eP	15 02 32

Date and Station		Phase (GCT) h m s
BOZ	e	15 03 21
BUT	eP	15 02 23
	e	02 38
	ePcP	04 21
COL	iP	14 59 09
	i	59 18
	iS	15 03 00
	iL	04 05
COLU	iP	15 05 31
HH	iP	15 02 07
	i	02 26
	i	05 10
KIP	eP	15 01 09
RC	iP	15 03 15
SLC	eP	15 02 51
	e	03 35
SJ	iP	15 07 24
SIT	iP	14 59 57
	eS	15 04 32
	eL	08 30
TUC	iP	15 03 37
	ePcP	04 46
UK	eP	15 02 08
	ePP	03 18
WASH	iP	15 05 21
	eL	31 17
May 25		
COL	iP	15 53 33
May 25		
TUC	eP	16 13 24
May 25		
COL	iP	17 06 44
HONO	eT	17 43 23
HH	eP	17 06 53
TUC	eP	17 06 22
May 25		
BOZ	eP	17 53 32
BUT	eP	17 53 30
COL	iP	17 50 50
HH	iP	17 53 13
RC	eP	17 53 55
SLC	e(P)	17 53 43
SIT	eP	17 51 44
TUC	eP	17 54 13
May 25		
COL	iP	20 45 08
May 25		
BH	eP	21 14 14
	eS	16 57
BC	eP	21 20 51
	e	21 05
BOZ	eP	21 21 26
	e	21 36
BUT	eP	21 21 32
	epP	21 53
	ePPP	25 00
COL	iP	21 24 10
	i	24 13
	ipP	27 28
	iPP	28 06
	iS	34 34
	epS	35 30
	eSS	39 28
	eL	45 42
COLU	eP	21 18 51
HONO	eP	21 24 03
	eS	34 20
	ipS	35 22
	eSS	39 45
	eL	47 52
HH	eP	21 21 48
	iP	21 50
	eP'P'	51 11
KIP	eP	21 24 03
RC	eP	21 20 51
	iP	20 53
SLC	eP	21 21 03
	epP	21 27
	ePcP	22 20
SJ	iP	21 16 57
	ipP	17 19
SIT	iP	21 23 27
	i	23 36
	e(PS)	33 13
	eL	42 10
TUC	iP	21 20 12
	i	20 14
TUC-T	iP	21 20 13
	ePP	22 12
	e(ScP)	25 42
	eSS	30 22
	eL	32 12
UK	iP	21 21 43
	eP'P'	51 25
WASH	iP	21 19 30
	iPcP	21 33
May 26		
TUC	eP	01 08 57
May 26		
COL	iP	02 10 28
HONO	eT	02 48 56
	iT	49 26
HH	iP	02 11 58
May 26		
HH	eP	02 51 27
TUC	eP	02 49 53
May 26		
TUC	eP	03 32 18
	e	33 56
May 26		
COL	iP	04 12 38
May 26		
BH	eP	08 51 54
	eS	54 12
BC	eP	08 58 53
BOZ	eP	08 59 28
BUT	eP	08 59 33
	ePcP	09 00 22
COL	iP	09 02 13
	ipPP	05 29
	e	09 12
COLU	eP	08 56 52
HH	iP	08 59 51
	eP'P'	09 29 08
RC	iP	08 58 53
SLC	iP	08 59 04
	ePcP	09 00 09
SJ	eP	08 54 58
TUC	iP	08 58 15
	eL	09 16 24
UK	eP	08 59 45
May 26		
COL	iP	09 19 25
HH	eP	09 16 59
RC	eP	09 16 03
TUC	iP	09 15 24
May 26		
TUC	eP	10 54 37
May 26		
BC	eP	11 04 22
	e	05 11
BOZ	eP	11 03 53
	e	04 14
	ePcP	06 09
BUT	eP	11 03 42
	e	04 21
COL	iP	11 00 23
	i	00 37
	i	01 04
	iS	03 20
	iL	03 57
COLU	eP	11 06 58
HONO	iP	11 03 09
	eT	37 37
	i	37 49
HH	iP	11 03 26
	iPcP	05 56
	i(S)	09 30
	iL	12 32
KIP	iP	11 03 09
	eT	37 21
	i	37 41
RC	iP	11 04 37
SLC	eP	11 04 11
	e	04 52
SJ	iP	11 08 59
	epP	09 31
SIT	iP	11 01 10
	i	01 32
	i	01 48
	i	02 11
	eS	04 57
TUC	iP	11 05 02
	i	05 42
	ePcP	06 33
TUC-T	iP	11 05 03
	i	05 42
	e(PP)	06 54
	eS	11 42
UK	iP	11 03 24
	i	04 04
May 26		
HH	eP	14 34 46
May 26		
BC	iP	16 29 27
BOZ	eP	16 30 03
COL	iP	16 29 49
	i	30 08

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Date and Station		Phase (GCT) h m s
EUR	iP	16 29 32
HH	iP	16 29 59
TUC	iP	16 29 34
	e	29 49
May 26 HH	eP	18 11 57
HONO	eT	18 48 53
	i	48 58
May 26 BC	eP	20 25 23
TUC	eP	20 27 34
May 26 COL	iP	21 58 15
May 27 COL	iP	01 57 50
	e	58 06
May 27 HH	iP	02 26 18
May 27 HH	eP	03 16 33
May 27 TUC	iP	04 12 19
May 27 COL	eP	05 56 27
May 27 BH	eP	08 14 21
	eS	15 12
HH	eP	08 22 08
TUC	eP	08 20 37
May 27 COLU	eP	10 12 23
May 27 COL	iP	11 39 00
May 27 HH	iP	15 26 35
May 27 EUR	eP	15 56 36
May 27 EUR	eP	16 16 44
May 27 COL	iP	17 05 42
	i	05 55
EUR	eP	17 09 22
May 27 EUR	eP	17 30 46
May 27 BOZ	eP	18 40 27
COL	iP	18 39 30
	i	39 43
	i	40 08
	i	40 21
EUR	iP	18 40 58
HH	iP	18 40 19
RC	iP	18 40 15
SJ	iP	18 39 46
May 27 EUR	eP	18 43 55
May 27 HH	eP	18 55 28
May 27 BH	eP	19 19 26
	eS	20 48
SJ	eP	19 23 04
May 27 EUR	eP	20 00 23
May 27 EUR	iP	20 07 40
	i	09 45
May 27 HH	eP	20 49 41
	e	50 12
May 27 COL	iP	23 45 23
EUR	iP	23 46 29
	ePKKP	00 03 24
HH	iP	23 46 34
SJ	iP'	23 52 25
	e	52 37
May 28 COL	iP	01 15 38
May 28 EUR	eP	02 27 57
May 28 BC	eP	07 48 49
	e	49 43
EUR	eP	07 49 18
	eL	51 43
May 28 EUR	eP	12 44 20
May 28 EUR	eP	14 43 05
May 28 COL	iP	15 03 41
EUR	iP	15 09 40
HH	eP	15 08 41
TUC	eP	15 08 25
	e	09 30
May 28 EUR	iP	15 17 18
HH	e(P)	15 22 03
UK	eP	15 18 07
	e	18 56
May 28 BOZ	iP	16 46 22
	i(S)	46 42
	iL	46 47
BUT	iP	16 46 04
	iS	46 08
	iL	46 12
EUR	e(P)	16 47 42
	iL	49 35
HH	iP	16 46 26
RC	eP	16 47 42
	e	48 17
	eL	49 29
SLC	e(P)	16 47 32
	e(S)	48 58
	eL	49 11
May 28 COL	iP	18 09 42
May 28 EUR	eP	18 24 02
May 28 BUT	iP	19 15 25
	iS	15 28
	iL	15 30
EUR	eP	19 14 17
May 28 BOZ	eP	19 31 26
	i	31 47
BUT	iP	19 31 04
	iS	31 10
	iL	31 14
HH	iP	19 31 27
	i	31 29
	i	31 34
	iS	31 51
	iL	31 56
May 28 EUR	eP	21 47 37
May 28 EUR	eP	22 18 36
May 29 BUT	iP	00 09 00
EUR	iP	00 07 29
	i	07 59
HH	iP	00 07 58
	i	08 29
RC	eP	00 07 14
	e	07 43
SLC	eP	00 07 20
	e	07 51
SJ	eP	00 03 18
	ipP	03 45
	e(P'P')	35 16
TUC	eP	00 06 41
	e	07 23
	e	37 43
TUC-T	iP	00 06 40
	e	07 09
	e	07 23
	e	37 42
May 29 EUR	iP	00 24 14
May 29 COL	iP	01 25 51
May 29 EUR	eP	02 04 17
May 29 TUC-T	eP	02 16 25
May 29 COL	eP	03 10 56
May 29 COL	iP	03 27 17
	ipP	27 51
	i	28 03
May 29 COL	eP	03 51 49
EUR	iP	03 51 26
HH	eP	03 51 56
RC	eP	03 50 54
	e	51 43
TUC	iP	03 51 27
TUC-T	iP	03 51 27
	i	51 31

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Date and Station		Phase (GCT)
		h m s
May 29		
BOZ	eP	03 54 31
BUT	iP	03 53 50
	iL	54 00
May 29		
COL	iP	04 51 49
	i	53 14
May 29		
BUT	eP	05 33 06
	e	34 04
COL	iP	05 30 40
EUR	iP	05 33 11
HH	iP	05 32 55
RC	iP	05 33 38
SLC	iP	05 33 21
TUC	eP	05 33 47
TUC-T	iP	05 33 47
	e	35 24
May 29		
BH	eP	07 03 32
	eS	07 30
BOZ	eP	07 05 37
	e	06 19
BUT	eP	07 05 43
	e	06 24
COL	iP	07 09 13
COLU	iP	07 04 17
	iS	08 26
EUR	iP	07 05 09
HH	iP	07 06 04
	e(P'P')	37 56
RC	eP	07 05 07
	eL	16 34
SLC	eP	07 05 01
	ePP	06 05
SJ	eP	07 05 20
TUC	iP	07 03 49
	e	04 14
	eS	07 35
	eL	08 56
TUC-T	iP	07 03 49
	iL	09 47
May 29		
HH	iP	08 55 17

Date and Station		Phase (GCT)
		h m s
May 29		
EUR	eP	10 15 15
May 29		
EUR	eP	11 35 37
TUC	eP	11 35 33
TUC-T	eP	11 35 33
May 29		
BH	eP	14 21 12
	iS	21 24
May 29		
BC	eP	15 21 05
	e	21 14
COL	iP	15 24 41
EUR	e	15 19 10
	iP	19 34
HH	iP	15 19 41
	e	21 16
TUC	e(P)	15 17 55
	e(S)	18 46
	iL	18 56
TUC-T	eP	15 17 44
	i	18 00
	eL	18 59
May 29		
COL	iP	15 36 40
May 29		
COL	iP	21 29 54
	i	29 57
EUR	iP	21 35 01
HH	eP	21 34 00
SIT	e(S)	21 34 24
May 30		
COL	iP	01 21 34
	ipP	22 21
May 30		
COL	iP	05 09 28
EUR	iP	05 08 54
TUC	eP	05 08 53
TUC-T	iP	05 08 53
May 30		
BOZ	eP	05 29 18
COL	iP	05 27 49
	e	28 12
EUR	iP	05 29 14
HH	eP	05 29 07

Date and Station		Phase (GCT)
		h m s
SLC	eP	05 29 32
TUC	eP	05 29 18
	e	29 25
TUC-T	eP	05 29 10
May 30		
BC	eP	06 03 40
COL	iP	06 02 52
EUR	iP	06 03 47
	i	03 58
HH	eP	06 03 55
May 30		
EUR	iP	06 12 30
May 30		
EUR	iP	07 17 56
May 30		
BH	iP	08 17 17
	iS	27 29
May 30		
COL	iP	11 46 01
EUR	eP	11 49 59
May 30		
COL	eP	13 47 25
May 30		
BOZ	eP	14 22 12
COL	iP	14 15 04
May 30		
BOZ	eP	16 24 49
BUT	iP	16 24 50
	e	25 06
COL	iP	16 22 31
	e	22 44
EUR	iP	16 25 01
HONO	eP	16 23 01
HH	iP	16 24 40
KIP	iP	16 23 02
SJ	eP'	16 30 52
SIT	iP	16 23 21
UK	eP	16 24 40
May 30		
BC	eP	18 12 35
	e	13 04
	e	13 34

Date and Station		Phase (GCT)
		h m s
BOZ	eP	18 12 05
	e	12 33
	e	12 49
	ePcP	14 08
BUT	eP	18 11 56
	e	12 26
COL	eP	18 08 40
	i	08 42
	i	08 46
	iS	12 00
	iL	12 26
COLU	eP	18 15 14
	eS	23 42
EUR	iP	18 12 10
HONO	eP	18 11 21
	iS	16 28
	e	17 50
	eL	19 18
HH	iP	18 11 38
KIP	eP	18 11 20
SLC	eP	18 12 25
	e	12 55
	ePP	14 07
SJ	eP	18 17 16
	i	17 20
SIT	iP	18 09 22
	i	09 55
	i	11 08
	iS	13 08
	eL	14 55
TUC	eP	18 13 14
	i	13 20
	e	15 38
TUC-T	eP	18 13 15
	e	13 36
	iS	20 04
UK	eP	18 11 34
	i	11 40
	eL	22 44
	e(PKKP)	29 09
WASH	iP	18 15 09
	e(PP)	18 16
	e(PPP)	19 08
	eS	23 42
	eL	30 02
May 30		
BOZ	eP	19 16 29
COL	iP	19 13 00
EUR	eP	19 16 30
HH	eP	19 15 51

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Date and Station		Phase	(GCT) h m s
SIT		eP	19 13 40
TUC		e(P)	19 17 38
TUC-T		eP	19 17 33
May 30			
COL		eP	19 30 49
		e	31 09
May 30			
COL		iP	19 33 27
EUR		eP	19 36 53
HH		eP	19 36 25
May 30			
COL		iP	21 12 54
		i	13 09
May 30			
EUR		eP	21 25 50
SJ		eP	21 21 20
May 30			
COL		iP	21 32 50
		epP	34 53
EUR		iP	21 32 27
TUC		eP	21 32 28
TUC-T		iP	21 32 28
May 30			
COL		iP	22 51 51
EUR		eP	22 46 02
May 30			
COL		iP	23 15 30
EUR		iP	23 18 49
May 31			
COL		iP	00 15 16
May 31			
BC		e(P)	02 53 01
		e	53 16
BOZ		eP	02 52 35
COL		eP	02 49 06
		iP	49 10
		eS	54 23
		eL	56 26
EUR		eP	02 52 20
SIT		eP	02 49 49
TUC		eP	02 53 56
		e	54 18
TUC-T		eP	02 53 56
		e	54 20
May 31			
EUR		eP	03 11 39
HONO		eT	03 45 21
May 31			
COL		iP	04 01 44
May 31			
BOZ		eP	07 37 56
COL		iP	07 39 28
EUR		iP	07 37 56
TUC		e(P)	07 39 34
		e	39 44
TUC-T		eP	07 39 34
		e	39 44
UK		eP	07 37 15
May 31			
BUT		eP	08 13 40
		e	14 37
EUR		iP	08 13 25
		i	14 02
HH		iP	08 13 50
SLC		eP	08 13 16
SJ		eP	08 09 06
TUC		iP	08 12 37
		e	13 03
TUC-T		iP	08 12 37
May 31			
EUR		eP	09 44 55
May 31			
COL		iP	09 42 53
HH		eP	09 44 03
May 31			
BC		eP	09 53 10
COL		eP	09 53 28
		i	53 47
EUR		eP	09 52 58
TUC		eP	09 53 15
TUC-T		eP	09 53 15
May 31			
EUR		eP	14 26 22
TUC		e(P)	14 26 17
		e	26 32
May 31			
COL		iP	17 14 14
EUR		eP	17 17 46
May 31			
BH		iPP	19 48 27C
		i	52 05
BC		eP	19 45 26C
		e	46 21
		e	51 41
BOZ		eP	19 45 54D
		e	46 52
		ePP	50 34
BUT		eP	19 45 49C
		e	46 23
COL		iP	19 45 14C
		e(PP)	48 01
		e	50 45
		iS	55 51
		i	56 49
		e	20 00 40
		iSS	01 29
		iL	02 50
		eP'P'	11 07
		eP'P'P'	31 21
COLU		eP	19 51 15C
		e	52 24
EUR		iP	19 45 29C
		eP'P'	20 11 27
HONO		e(P)	19 41 16
		iP	41 22
		eS	48 28
		iS	48 41
		iSS	52 30
		iL	53 03
		i	53 33
		eT	20 33 13
		iT	34 28
		i	37 28
		i	38 09
		e	40 53
		e	42 10
		i	42 29
HH		iP	19 45 48C
		i	45 59
		ePKKP	20 02 46
		eP'P'	11 02
KIP		iP	19 41 23D
		i	42 35
		eT	20 33 55
		iT	34 35
SLC		eP	19 45 41C
		e	47 09
		ePP	49 12
SJ		iP'	19 51 39D
		ePP	53 48
		ePKS	55 15
		eSKSP	20 04 14
SIT		eP	19 45 15
SIT		i(PcP)	19 45 27
		ePP	48 23
		iS	55 55
		eL	20 05 00
		iL	08 30
TUC		iP	19 45 37
		i	45 52
		e	48 30
		iPP	49 57
		ePPP	51 04
		e	53 55
		eSKS	56 25
		iS	56 43
		i	57 54
		i	58 10
		iSS	20 02 50
		ePKKP	03 14
		e	06 34
		eL	09 40
		iL	13 37
TUC-T		iP	19 45 37C
		ePPP	51 03
		iPKKP	20 03 43
UK		iP	19 45 02C
		iPP	48 27
		e	51 52
		e(S)	55 46
		eL	20 08 03
WASH		eP	19 51 23
		iP	52 38
		iPS	20 02 28
May 31			
EUR		iP	19 53 41
May 31			
EUR		eP	21 01 37
May 31			
TUC		eP	21 38 46
TUC-T		eP	21 38 46
UK		eP	21 36 17
		e	37 44
May 31			
BC		e(P)	22 09 04
EUR		iP	22 08 25
		eS	09 47
		eL	09 56
UK		e(P)	22 07 35
		e	07 41
		e(S)	07 50
		eL	07 53
May 31			
COL		iP	22 31 19
		e	32 09
TUC		e(P)	22 27 54
		e	28 18

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Date and Station		Phase (GCT)
		h m s
TUC-T	eP	22 27 42
May 31		
EUR	eP	22 52 09
May 31		
EUR	eP	23 29 03
May 31		
COL	iP	23 39 31
EUR	eP	23 43 03

Local and Minor Earthquakes

Date and Station	Phase (GCT)
BUT	
May	
1	07.9
17	21.1
26	07.0
27	00.7
28	19.5
29	00.1
	03.9
31	20.9
	23.7
COL	
May	
2	04.3
	06.1
	13.7
	16.6
	17.1
	23.8
3	04.9
4	06.0
	08.3
	10.9
	21.7
5	17.3
6	02.1
	05.0
	11.0
	12.5
	14.8
	16.6
	16.9
	22.1
7	05.1
	17.2
	20.3
	21.1
8	09.6
	21.2
	23.9
9	04.8
	09.2
	10.6
	13.5
	15.5
	22.0
10	14.1
11	18.3
	18.5
	19.6
	20.2

Date and Station	Phase (GCT)
	h m s
COL	
May	
11	22.3
	22.7
	23.0
12	07.4
	08.6
	09.1
	15.1
13	12.5
	17.9
	21.5
14	01.6
	12.0
15	03.9
	05.1
	05.2
	07.6
	12.5
	21.7
16	16.4
	23.7
17	05.4
	14.9
18	06.1
19	03.4
	08.7
	09.5
	22.9
20	09.9
	16.5
	22.3
21	08.1
	08.6
	13.8
	14.3
22	02.1
	02.5
	07.1
	21.9
23	04.1
	12.1
	23.2
	23.7
24	03.9
	05.3
	05.9
	09.8
	10.0
25	02.8
	05.9
	18.1
	18.3
26	08.9
	09.0
	17.2
	18.1
	22.3
27	06.9
28	17.2
29	01.0
	01.9
	06.1
	07.9
	08.4
	14.2
	14.8
	18.7
	21.7

Date and Station	Phase (GCT)
	h m s
COL	
May	
29	22.2
	23.1
30	04.0
	09.5
	14.4
31	00.4
	08.5
EUR	
May	
1	16.3
24	20.8
	21.4
27	23.2
31	21.6
HONO	
May	
4	21.7
6	00.7
27	01.6
	22.2
30	01.7
	05.0
KIP	
May	
4	21.7
27	22.2
30	01.7
	05.0
RC	
May	
3	03.6
	10.9
SLC	
May	
14	19.9
SJ	
May	
1	10.5
	17.3
2	02.5
	04.5
	22.8
7	14.1
	14.4
11	03.0
	19.1
14	14.8
17	06.3
	22.2
20	14.4
21	01.6
	05.4
TUC	
May	
4	06.3
	06.6
	06.8
	07.4
	10.0
	10.8

Date and Station	Phase (GCT)
	h m s
TUC	
May	
6	12.8
	23.9
7	11.5
9	01.7
	04.3
	17.5
	17.6
	23.6
10	05.0
	11.1
	13.6
11	12.2
	12.6
	22.6
12	05.1
14	06.4
15	00.7
	08.4
	12.1
18	04.0
	12.7
19	00.9
20	02.0
	08.8
21	08.2
22	06.9
	07.3
	07.7
25	07.0
	07.2
	14.1
26	00.3
	00.7
	04.1
	04.6
	05.0
28	01.3
	07.8
30	06.9
31	20.5
UK	
May	
15	03.4
17	17.6
25	03.2
	05.1
27	23.2
31	13.9
	21.3
	23.4

ADDENDA

TUC	iP	04 52 02D
	ipP	53 08
	ePP	55 07
	iS	05 01 30
TUC-T	iP	04 52 02D
	eP'P'	05 19 20
WASH	iP	04 51 25C
	ipP	52 28