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SEISMOLOGICAL BULLETIN

IGY SUPPLEMENT

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COAST & GEODETIC SURVEY
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U. S. DEPARTMENT OF COMMERCE

Frederick H. Mueller, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

H. Arnold Karo, Director

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National Oceanic and Atmospheric Administration

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The instrumental results tabulated in this supplement are from the following seismographic stations which are located in three regions.

Antarctic

Byrd (BYRD)

South Pole (SP)

Arctic

Thule (THULE)
Greenland

Pacific

Guam (GUAM)
Mariana Islands

Koror, (KOR)
West Caroline Islands

Truk (TRUK)
East Caroline Islands

Those stations were established by the Coast and Geodetic Survey for the IGY and will provide additional control for locating epicenters of teleseisms in regions inadequately covered by previously existing stations. They will also provide data for studies in regional seismicity, crustal structure and other pertinent earth science problems.

Date and Station		Phase (GCT)
		h m s
Oct. 1		
THULE	eP'	04 45(06)
Oct. 1		
KOR	eP	05 25 12
Oct. 1		
BYRD	i(P)	05 50 26
Oct. 1		
BYRD	iP	06 43 25
	i	43 43
	e	45 48
SP	iP	06 43 40
TRUK	iP	06 36 42
Oct. 1		
BYRD	eP	07 08 33
SP	eP	07 07 27
Oct. 1		
BYRD	iP	07 34 05
SP	iP	07 34 44
Oct. 1		
BYRD	eP	07 53 33
SP	eP	07 54 01
Oct. 1		
BYRD	iP	09 36 33
	iPP	37 58
	iS	42 09
	eL	43 50
GUAM	iP	09 40 58
KOR	eP	09 40 24
	eS	49 12
SP	iP	09 36 21
	i	37 40
	ePcP	39 02
Oct. 1		
BYRD	eP	12 13 34
KOR	eP	12 02 33
	e	02 57
	eS	04 17
SP	iP	12 13 10
	oPKKP	30 57
	eP'P'	38 43
Oct. 1		
SP	iP	15 02 12
Oct. 1		
BYRD	eP'	17 04 31
SP	eP'	17 04 21
Oct. 1		
BYRD	eP'	18 06 26
		h m s
SP	iP'	18 06 43
TRUK	iP	17 57 03
Oct. 1		
BYRD	eP	18 23 24
Oct. 1		
KOR	eP	20 03 55
	iS	05 20
Oct. 1		
TRUK	eP	21 14 08
	iS	15 53
	eT	24 27
Oct. 1		
TRUK	iP	22 04 51
Oct. 2		
TRUK	iP	00 13 57
Oct. 2		
TRUK	iP	01 27 53
Oct. 2		
TRUK	iP	02 54 42
Oct. 2		
BYRD	iP	04 32 33
	iPP	33 46
	eS	38 09
	iS	38 21
	eL	39 32
SP	iP	04 31 54
	eS	37 03
	eL	41 17
Oct. 2		
BYRD	eP	05 47 41
SP	iP	05 48 23
Oct. 2		
SP	eP	06 54 44
Oct. 2		
BYRD	iP	08 03 12
SP	eP	08 03 52
Oct. 2		
SP	iP	08 42 55
Oct. 2		
SP	iP	12 47 59
Oct. 2		
SP	e(P')	14 50 40
Oct. 2		
GUAM	iP	15 05 05
	eL	10 48
KOR	eP	15 02 35
	iP	02 36
	iS	03 45
	eL	04 12
		h m s
SP	iP	15 14 34
	ePKKP	31 06
TRUK	iP	15 06 14
	i	06 25
Oct. 2		
SP	e(P')	15 42 07
Oct. 2		
SP	e(P')	22 41 43
Oct. 3		
GUAM	iP	00 38 23
	i	38 55
KOR	iP	00 36 50
	iS	39 45
SP	eP	00 47 14
TRUK	eP	00 39 37
Oct. 3		
BYRD	iP	02 50 10
	epP	50 55
SP	iP	02 50 47
	ePcP	51 16
	epP	51 31
Oct. 3		
SP	eP	03 56 28
Oct. 3		
BYRD	iP'	05 09 49
SP	eP'	05 10 02
	iP'	10 12
Oct. 3		
TRUK	eP	09 29 40
Oct. 3		
BYRD	eP	11 37 32
SP	eP	11 36 22
	iPcP	37 18
Oct. 3		
SP	eP	11 57 51
Oct. 3		
BYRD	iP	12 11 24
SP	iP	12 11 57
	e	12 39
Oct. 3		
SP	e(P)	17 27 07
	e	27 16
Oct. 3		
SP	eP	17 42 55
Oct. 3		
BYRD	iP	18 54 28
SP	iP	18 55 13
		h m s
Oct. 3		
SP	e(P)	19 08 09
	iP	08 14
Oct. 3		
BYRD	iP	20 59 59
SP	eP	21 00 35
	e	01 38
Oct. 3		
TRUK	eP	23 34 31
Oct. 4		
BYRD	eP	00 39 23
SP	eP	00 39 05
Oct. 4		
GUAM	iP	00 53 47
	iS	57 19
KOR	iP	00 53 14
	ipP	53 52
	iS	56 11
Oct. 4		
BYRD	iP	01 02 14
	ipP	02 40
	isP	02 53
	ePP	05 45
	eS	12 43
SP	iP	01 02 08
	ipP	02 41
	ePP	05 21
	e(SKS)	12 22
	ePKKP	20 11
TRUK	iP	00 53 02
	iScP	01 01 35
Oct. 4		
BYRD	iP	04 15 43
SP	eP	04 16 00
TRUK	eP	04 09 47
Oct. 4		
BYRD	iP	04 56 08
SP	iP	04 56 24
Oct. 4		
SP	eP	05 04 12
	i	04 27
Oct. 4		
KOR	e(P)	05 52 59
	iP	53 05
	eS	54 29
Oct. 4		
GUAM	eP	09 53 47
	eS	55 34
KOR	eP	09 55 42

Date and Station		Phase	(GCT)
			h m s
TRUK		iP	09 55 19
		iS	58 09
		eT	10 11 17
Oct. 4			
BYRD		eP'	11 51 49
GUAM		eP	11 35 27
		eS	37 25
KOR		iP	11 37 25
		eS	41 18
TRUK		eP	11 37 02
		iP	37 06
		eS	39 55
		eT	53 13
Oct. 4			
BYRD		iP	13 36 30
Oct. 4			
SP		eP'	14 16 18
Oct. 4			
BYRD		iP	14 28 57
		ipP	29 27
		isP	29 40
SP		iP	14 29 35
Oct. 4			
BYRD		iP	14 32 47
SP		iP	14 33 16
TRUK		iP	14 29 27
Oct. 4			
GUAM		eP	15 10 48
		eS	12 44
KOR		eP	15 12 43
TRUK		eP	15 12 18
		iP	12 24
		eS	15 09
		eT	27 58
Oct. 4			
TRUK		eP	15 35 22
		eS	36 32
Oct. 4			
BYRD		iP	18 21 10
SP		iP	18 21 26
		i	21 45
TRUK		iP	18 15 09
		i	16 01
		i	18 34
Oct. 4			
TRUK		iP	18 43 00
		eS	45 46

Date and Station		Phase	(GCT)
			h m s
Oct. 4			
SP		e(P)	20 22 10
		i	23 09
Oct. 4			
BYRD		iP	23 49 18
SP		iP	23 49 47
TRUK		eP	23 45 51
Oct. 5			
GUAM		iP	06 08 39
		iS	09 38
KOR		eP	06 10 54
		eS	13 49
TRUK		eP	06 10 14
		eS	12 27
		eT	17 55
Oct. 5			
SP		iP	09 55 47
Oct. 6			
BYRD		iP	00 56 20
		iScP	01 00 54
GUAM		eP	00 56 42
KOR		eP	00 56 55
SP		iP	00 56 51
		ipP	57 40
		esP	58 02
		iScP	01 01 12
		e(P'P')	25 57
THULE		eP'	01 06(05)
TRUK		iP	00 55 36
		ipP	56 21
		iPcP	57 03
		iScP	01 00 30
Oct. 6			
SP		iP	02 15 15
Oct. 6			
BYRD		iP	02 18 15
GUAM		eP	02 16 56
KOR		iP	02 17 23
SP		iP	02 18 44
TRUK		iP	02 15 46
Oct. 6			
SP		eP	04 55 06
Oct. 6			
TRUK		iP	06 22 22
Oct. 6			
BYRD		eP	07 13 47
		eL	19 00

Date and Station		Phase	(GCT)
			h m s
SP		eP	07 12 39
		i	12 45
		e	15 11
Oct. 6			
BYRD		eP'	09 48 46
SP		eP'	09 48 26
		ePP	50 23
Oct. 6			
SP		eP	14 52 50
Oct. 6			
SP		iP	19 01 50
Oct. 6			
BYRD		eP'	19 12 11
KOR		iP	19 02 07
SP		iP'	19 12 23
THULE		iP	19 01(04)
TRUK		eP	19 01 35
Oct. 7			
SP		eP	01 25 02
Oct. 7			
SP		iP	01 50 38
Oct. 7			
SP		eP	02 43 40
Oct. 7			
SP		eP	03 25 18
Oct. 7			
BYRD		eP	06 12 23
SP		eP	06 12 56
Oct. 7			
BYRD		iP	07 46 10
SP		iP	07 46 36
		i(pP)	47 28
TRUK		iP	07 46 34
Oct. 7			
SP		eP	08 29 41
Oct. 7			
SP		iP	10 09 37
Oct. 7			
BYRD		iP	11 25 43
SP		iP	11 26 13
TRUK		iP	11 22 40
Oct. 7			
BYRD		iP	12 45 16
		ePP	48 33
		eS	55 36

Date and Station		Phase	(GCT)
			h m s
GUAM		iP	12 37 21
		iS	41 10
KOR		iP	12 37 39C
		eS	41 40
		eL	43 24
SP		iP	12 45 16
		eSKS	55 35
TRUK		iP	12 35 46
		eS	38 00
		eT	44 49
Oct. 7			
BYRD		iP	13 52 26
		i	53 18
SP		iP	13 52 04
		i	57 42
Oct. 7			
SP		eP	14 28 24
Oct. 7			
BYRD		iP	15 35 13
		ipP	36 06
SP		iP	15 35 50
		ipP	36 45
THULE		eP	15 37(33)
Oct. 7			
BYRD		eP	18 59 54
SP		eP	19 00 34
Oct. 7			
BYRD		eP	23 49 01
SP		iP	23 48 56
Oct. 8			
TRUK		iP	02 30 29
Oct. 8			
SP		eP	03 19 41
Oct. 8			
BYRD		eP	03 22 57
SP		eP	03 23 30
Oct. 8			
BYRD		eP	03 34 18
SP		eP	03 34 55
Oct. 8			
BYRD		eP	04 53 49
SP		eP	04 54 23
Oct. 8			
BYRD		iP	09 09 08
SP		iP	09 09 46

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Date and Station		Phase (GCT)
		h m s
Oct. 8		
SP	eP	09 26 50
Oct. 8		
SP	eP	10 27 27
Oct. 8		
BYRD	eP	10 58 46
SP	e(P)	10 58 08
	eP	58 34
Oct. 8		
SP	iP	11 23 09
Oct. 8		
BYRD	iP	14 13 11
	ipP	13 27
GUAM	eP	14 06 16
	iP	06 23
	iS	10 25
KOR	eP	14 06 20
	iP	06 31
	i	07 39
SP	iP	14 13 14
	ipP	13 30
TRUK	iP	14 04 20
	eS	06 48
	eT	18 31
Oct. 8		
BYRD	eP	14 37 10
	epP	37 26
SP	iP	14 37.16
	ipP	37 32
TRUK	iP	14 28 21
	eS	30 51
	eT	42 52
Oct. 8		
BYRD	eP	15 47 58
SP	eP	15 48 35
Oct. 8		
BYRD	iP	15 59 39
SP	iP	15 58 25
Oct. 8		
BYRD	eP	18 09 34
SP	eP	18 10 07
Oct. 8		
SP	eP	21 06 40
Oct. 8		
BYRD	iP	22 28 26
SP	eP	22 27 40

Date and Station		Phase (GCT)
		h m s
Oct. 9		
SP	eP	00 30 00
Oct. 9		
KOR	iP	01 03 28
Oct. 9		
SP	eP	01 09 05
Oct. 9		
SP	iP	01 54 05
Oct. 9		
SP	eP	04 20 08
Oct. 9		
BYRD	iP	04 34 08
	epP	34 30
SP	iP	04 35 55
	ipP	36 20
Oct. 9		
SP	eP	10 15 21
Oct. 9		
GUAM	iP	10 22 43
	iS	22 56
KOR	iP	10 25 08
TRUK	iP	10 24 35
	iS	26 14
Oct. 9		
BYRD	iP	11 27 24
	ePP	28 39
	eS	33 04
	eL	35 21
	eP'P'	59 57
KOR	eP'	11 39 28
	iSKP	42 47
SP	iP	11 27 11
	eS	32 33
	eL	34 33
	eP'P'	59 32
Oct. 9		
TRUK	iP	12 20 47
Oct. 9		
BYRD	iP	13 31 11
	ipP	31 34
	esP	31 44
Oct. 9		
SP	iP'	13 50 47
Oct. 9		
SP	iP	14 31 50
Oct. 9		
BYRD	iP	14 43 11
SP	eP	14 41 37
Oct. 9		
SP	eP	14 43 45

Date and Station		Phase (GCT)
		h m s
Oct. 9		
BYRD	iP	14 51 39
SP	iP	14 52 20
	eS	15 00 59
Oct. 9		
BYRD	eP	17 01 24
SP	iP	17 01 46
Oct. 9		
SP	eP	21 06 30
Oct. 9		
BYRD	iP	21 44 34
	i	45 40
SP	iP	21 44 18
Oct. 9		
BYRD	iP	22 05 18
SP	iP	22 05 49
Oct. 10		
SP	eP	01 41 09
TRUK	eP	01 32 35
Oct. 10		
BYRD	eP	04 19 32
KOR	eP	04 07 36
	iP	07 55
	eS	09 09
	eL	09 58
SP	eP	04 19 13
Oct. 10		
SP	eP	04 51 24
Oct. 10		
BYRD	iP	05 07 23
Oct. 10		
KOR	iP	06 44 10
	i	45 32
Oct. 10		
BYRD	eP'	08 49 41
	iSKP	53 21
KOR	iP	08 39 19
	i(pP)	39 36
	e	40 56
SP	iP'	08 49 48
	ipP'	50 03
	e	59 31
THULE	iP	08 39(04)
	iPP	40(42)
	iS	45(49)
TRUK	eP	08 38 47
Oct. 10		
BYRD	eP'	09 35 43

Date and Station		Phase (GCT)
		h m s
SP	eP'	09 35 24
Oct. 10		
KOR	iP	11 29 08
	i	30 46
Oct. 10		
BYRD	iP	11 47 28
SP	eP	11 47 13
Oct. 10		
GUAM	iP	11 39 54
	iS	43 35
KOR	iP	11 37 18
	eS	38 34
SP	eP	11 48 51
TRUK	eP	11 40 47
Oct. 10		
TRUK	iP	15 17 31
Oct. 10		
SP	i(P)	19 24 16
	i(S)	24 33
Oct. 10		
SP	eP	22 18 20
Oct. 11		
BYRD	eP'	01 01 10
SP	eP'	01 01 15
THULE	iP	00 46(52)
	iS	50(55)
Oct. 11		
BYRD	iP	01 44 54
SP	iP	01 44 39
Oct. 11		
BYRD	iP	02 06 55
	i	07 09
	i	07 48
SP	eP	02 06 39
	i	06 54
	i	07 33
Oct. 11		
BYRD	eP'	02 20 03
	iP'	20 13
	iSKP	23 41
KOR	iP	02 09 37
	e	10 51
SP	iP'	02 20 07
THULE	iP	02 09(28)
	iPP	10(59)

Date and Station		Phase	(GCT)
Oct. 11			h m s
BYRD		eP'	09 26 10
SP		iP'	09 25 59
Oct. 11			
BYRD		iP	14 47 39
		i	47 51
		ipP	48 22
		eScP	52 03
		eS	55 42
		eP'P'	15 16 43
GUAM		eP'	14 57 00
		iP'	57 09
		ipP'	57 34
KOR		eP'	14 57 15
		i	57 25
		i	57 39
SP		iP	14 48 16
		isP	49 27
		ePP	50 42
		eS	56 43
		eP'P'	15 16 27
TRUK		iP'	14 56 47
		i	56 55
Oct. 11			
SP		eP	17 50 45
Oct. 11			
GUAM		iP	22 56 03
		iS	56 28
TRUK		iP	22 57 53
		iS	59 44
Oct. 12			
SP		iP	01 47 44
		i(pP)	48 17
THULE		iP	01 47(58)
		ipP	48(34)
Oct. 12			
SP		eP	04 25 08
Oct. 12			
SP		eP	05 37 38
Oct. 12			
BYRD		iP	06 23 22
SP		iP	06 24 06
Oct. 12			
BYRD		eP	07 46 56
Oct. 12			
TRUK		eP	09 00 40
		eS	02 14
Oct. 12			
BYRD		eP	09 55 22
		epP	56 23

Date and Station		Phase	(GCT)
			h m s
KOR		iP	09 54 07
SP		iP	09 55 56
		epP	57 03
TRUK		iP	09 51 16
Oct. 12			
BYRD		eP	10 15 55
SP		iP	10 16 25
		e	18 06
Oct. 12			
BYRD		iP	13 00 29
		i(pP)	00 53
GUAM		eP	12 52 01
KOR		eP	12 51 12
		e	51 57
SP		iP	13 00 23
		i(pP)	00 46
TRUK		iP	12 51 16
		i	51 55
		i	56 26
Oct. 12			
BYRD		eP	15 33 55
		iP'	37 12D
		epP'	38 14
		ePP	38 47
		epPP	39 35
		ePKKP	47 13
		iSKKP	50 38
GUAM		iP	15 23 25C
		iS	27 11
		isS	28 27
		i	29 27
		iPcS	31 02
		iScS	34 07
		eT	44 53
KOR		iP	15 23 20D
		e	23 50
		ipP	24 14
		isP	24 49
		iS	27 04
		iPcP	27 29
		esS	28 34
		iScP	30 24
		iScS	34 08
SP		eP	15 33 27
		iP'	37 04D
		iPP	38 21
		epPP	39 37
		iPKKP	47 25
		iSKKP	50 47
		eP'P'	56 01
TRUK		iP	15 24 48D
		i	24 58
		ipP	25 41
		iPP	26 13
		ipPP	26 37

Date and Station		Phase	(GCT)
			h m s
TRUK		iPcP	15 27 35
		eS	29 40
		iScP	30 54
THULE		eP	15 30(22)D
		ipP	30(55)
Oct. 12			
SP		eP	16 42 22
Oct. 12			
BYRD		eP	17 38 35
SP		eP	17 38 48
		iP	38 52
Oct. 12			
BYRD		eP	18 05 38
SP		iP	18 06 03
Oct. 13			
SP		iP	04 18 09
Oct. 13			
BYRD		eP	05 38 26
GUAM		iP	05 34 30
KOR		iP	05 35 06
SP		iP	05 38 46
		e	40 51
TRUK		iP	05 33 14
		ePcP	36 02
Oct. 13			
THULE		iP	08 17(37)
Oct. 13			
BYRD		eP'	08 46 59
SP		eP'	08 46 48
Oct. 13			
BYRD		eP'	09 17 38
SP		iP'	09 17 24
		ePP	19 39
		eSKP	20 50
THULE		iP	09 08(55)
TRUK		iP	09 09 57
Oct. 13			
SP		eP'	10 31 05
Oct. 13			
SP		iP	19 31 13
		i	31 57
Oct. 13			
SP		eP	23 05 51
Oct. 14			
BYRD		eP'	09 25 49
		iP'	25 58
		iSKP	29 29

Date and Station		Phase	(GCT)
			h m s
SP		eP'	09 25 55
		iP'	25 56
THULE		iP	09 15(37)
Oct. 14			
BYRD		eP	12 44 17
SP		iP	12 44 45
Oct. 14			
SP		eP	17 57 20
Oct. 14			
BYRD		eP	18 24 44
SP		iP	18 25 16
Oct. 14			
BYRD		iP'	21 23 37
SP		iP'	21 23 31
Oct. 14			
BYRD		iP	23 32 59
SP		iP	23 33 37
Oct. 14			
SP		iP	23 46 50
Oct. 15			
GUAM		iP	02 47 53
		eS	48 06
TRUK		iP	02 49 36
		iS	51 06
Oct. 15			
BYRD		iP	06 24 58
SP		iP	06 24 41
Oct. 15			
BYRD		eP	11 40 58
SP		iP	11 41 34
Oct. 15			
BYRD		eP	17 14 25
SP		eP	17 14 42
Oct. 15			
SP		iP	18 58 51
Oct. 16			
BYRD		eP'	12 11 25
SP		iP'	12 11 08
		ePKKP	22 01
Oct. 16			
BYRD		iP	15 17 16
SP		iP	15 17 53

Date and Station	Phase (GCT)
	h m s
Oct. 16	
SP iP	16 46 17
Oct. 16	
SP eP	17 06 14
Oct. 16	
SP iP	17 43 25
Oct. 16	
BYRD iP	18 13 45
KOR iP	18 09 06
ipP	09 38
SP iP	18 13 59
ipP	14 38
eP'P'	40 58
TRUK iP	18 07 08
ipP	07 41
Oct. 16	
KOR eP	18 37 50
TRUK iP	18 35 59
Oct. 16	
SP iP	19 35 00
Oct. 16	
TRUK eP	21 51 58
iS	54 03
Oct. 16	
SP iP	23 03 43
Oct. 17	
BYRD iP	10 34 02
SP iP	10 34 35
TRUK iP	10 31 01
Oct. 17	
SP eP	12 42 29
Oct. 18	
BYRD eP	00 39 10
TRUK iP	00 30 08
Oct. 18	
KOR iP	00 56 16
iS	56 48
Oct. 18	
SP eP'	05 42 00
i	42 47
Oct. 18	
BYRD eP	06 46 10
SP eP	06 47 42
ePP	51 35
THULE eP	06 45(29)
Oct. 18	
TRUK eP	07 43 36
	h m s
THUK iS	07 45 22
Oct. 18	
SP eP'	08 00 02
Oct. 18	
BYRD iP	09 13 46
SP iP	09 13 21
Oct. 18	
BYRD e(P')	12 06 51
SP eP'	12 06 47
Oct. 18	
BYRD iP	16 27 51
SP iP	16 27 36
Oct. 18	
BYRD iP	17 36 45
e	43 09
SP iP	17 36 27
e(S)	41 31
Oct. 18	
BYRD iP	17 56 24
SP iP	17 54 05
Oct. 18	
SP eP	18 15 02
Oct. 18	
BYRD eP	19 09 25
ePP	11 16
SP iP	19 08 13
i(PP)	09 40
eS	14 01
Oct. 18	
BYRD eP	19 36 31
SP eP	19 36 51
Oct. 18	
BYRD eP	20 04 33
SP iP	20 04 14
Oct. 18	
SP iP	23 03 37
Oct. 18	
SP iP	23 22 29
Oct. 19	
SP eP	01 58 16
eL	02 07 50
Oct. 19	
SP e(P)	02 05 19
eP	05 27
THULE eP'	02 12(16)
	h m s
Oct. 19	
SP eP	02 25 27
e	27 24
Oct. 19	
SP eP	06 46 13
Oct. 19	
BYRD eP	10 32 35
SP eP	10 33 19
Oct. 19	
BYRD iP	11 51 47
iPcP	53 06
eS	59 06
eL	12 05 59
eP'P'	22 11
SP iP	11 52 22
ipP	52 41
iPcP	53 24
eS	12 00 11
eP'P'	21 36
THULE iP'	12 01(49)
Oct. 19	
BYRD iP	12 15 10
SP iP	12 15 51
Oct. 19	
BYRD iP	12 54 33
SP iP	12 55 12
Oct. 19	
SP iP	14 43 38
Oct. 19	
SP eP	15 06 03
Oct. 19	
SP eP	15 28 50
Oct. 19	
SP iP	15 41 02
Oct. 19	
SP iP	21 12 33
e(S)	17 54
Oct. 19	
SP iP	21 18 56
Oct. 19	
SP iP	21 43 55
Oct. 19	
BYRD eP	22 05 14
SP eP	22 04 56
Oct. 20	
GUAM iP	00 17 27
iS	17 44
	h m s
Oct. 20	
KOR eP	00 53 28
Oct. 20	
BYRD eP'	01 14 46
e	18 10
eSKP	18 21
SP eP'	01 14 59
iSKP	18 38
THULE eP	01 03(44)
ePP	04(27)
TRUK iP	01 04 45
i	05 01
iPcP	05 55
Oct. 20	
BYRD iP	01 25 19
ipP	25 39
isP	25 49
eSKS	35 35
esS	36 22
eP'P'	50 55
eL	53 08
GUAM iP	01 20 01
ipP	20 33
i	21 04
iPcP	21 54
iScP	25 35
KOR iP	01 18 21
iPP	18 55
iPcP	20 36
i(ScP)	25 14
SP iP	01 24 47
ipP	25 08
iS	34 49
e	42 43
eP'P'	51 30
eSKPP'	54 41
THULE eP'	01 31(12)
epP'	31(38)
esP'	31(49)
i	31(59)
ePP	33(56)
THUK iP	01 20 29
iPcP	22 27
Oct. 20	
THULE eP	01 27(18)
Oct. 20	
BYRD iP	03 10 36
SP iP	03 10 12
Oct. 20	
SP eP	03 49 36
Oct. 20	
BYRD iP	09 47 24

Date and Station		Phase	(GCT) h m s
SP		iP	09 47 58
Oct. 20			
SP		iP	16 43 51
Oct. 20			
BYRD		eP	18 09 32
SP		eP	18 10 13
Oct. 21			
BYRD		iP	03 36 34
		i	37 23
SP		iP	03 37 10
Oct. 21			
BYRD		iP	06 27 30
		i(pP)	28 36
		iSKS	37 37
		isS	39 10
		ePKKP	45 34
		eP'P'	52 39
GUAM		eP	06 19 21
		i	19 43
		epP	20 03
		iPcS	26 57
KOR		iP	06 19 11
SP		iP	06 27 26
		iS	37 29
		i(PKKP)	45 35
TRUK		iP	06 18 19
		eS	20 34
		iPcP	23 34
		iScP	26 34
		iPcS	26 47
Oct. 21			
GUAM		eP	07 21 47
TRUK		iP	07 22 10
Oct. 21			
BYRD		eP	10 52 40
SP		iP	10 53 22
Oct. 21			
SP		iP	11 55 58
Oct. 21			
SP		iP	12 29 57
Oct. 21			
SP		eP	12 46 19
Oct. 21			
SP		eP	15 47 06
Oct. 21			
BYRD		iP	15 53 24
		eS	16 03 59
GUAM		eP	15 48 31
SP		iP	15 52 49
		i	52 59
Oct. 21			
BYRD		iP	17 42 32
KOR		eP	17 42 39
SP		iP	17 43 04
		i(pP)	43 43
		eS	50 59
		eP'P'	18 12 01
		iP'P'	12 13
Oct. 21			
SP		iP	18 21 54
Oct. 21			
SP		eP'	18 48 00
Oct. 21			
BYRD		iP	19 01 07
SP		iP	19 01 09
Oct. 21			
BYRD		eP	19 12 34
SP		iP	19 12 35
Oct. 21			
SP		eP	20 06 41
Oct. 21			
SP		eP	21 03 48
Oct. 22			
THULE		iP	02 39(18)
Oct. 22			
BYRD		iP	09 19 38
Oct. 22			
SP		iP	14 28 27
		e	31 29
Oct. 22			
THULE		eP	17 13(19)
Oct. 22			
SP		eP	17 47 37
Oct. 22			
SP		eP	19 14 55
Oct. 22			
BYRD		iP	19 26 36
SP		iP	19 27 06
Oct. 22			
BYRD		iP	23 54 15
		eS	00 03 37
KOR		eP	23 50 23
SP		iP	23 54 32
		iPcP	54 41
		i(pP)	55 01
THULE		eP'	00 01(30)
TRUK		iP	23 48 35
Oct. 23			
THULE		eP	02 03(57)
Oct. 23			
THULE		eP	06 51(27)
Oct. 23			
THULE		eP	15 53(30)
Oct. 23			
BYRD		eP'	16 02 14
		iSKP	05 41
Oct. 23			
BYRD		iP	16 56 21
		i	56 39
Oct. 23			
SP		eP	16 57 57
Oct. 23			
BYRD		eP	17 58 07
		eS	18 04 14
SP		eP	17 58 44
		e	59 05
Oct. 23			
BYRD		iP	19 49 49
		i	50 47
SP		eP	19 51 24
Oct. 24			
BYRD		iP	09 08 58
SP		iP	09 09 14
Oct. 24			
BYRD		iP	14 12 08
SP		iP	14 12 45
Oct. 24			
BYRD		eP	16 02 15
Oct. 24			
BYRD		eP	16 14 36
Oct. 24			
BYRD		iP	17 00 53
Oct. 24			
BYRD		eP	18 09 08
Oct. 24			
BYRD		iP	21 03 24
SP		iP	21 03 08
Oct. 24			
BYRD		eP	21 26 27
GUAM		eP	21 18 22
KOR		iP	21 16 25
SP		eP	21 26 10
		eSKS	36 36
		ePKKP	43 42
Oct. 24			
SP		eP	22 40 12
Oct. 24			
TRUK		iP	23 30 56
		eS	31 34
Oct. 25			
SP		eP	00 16 19
Oct. 25			
BYRD		eP	01 03 03
		iP	03 09
SP		iP	01 02 24
		e	03 42
Oct. 25			
SP		eP	04 00 45
Oct. 25			
THULE		iP	04 53(38)
Oct. 25			
BYRD		eP	06 36 27
SP		eP	06 36 05
		iP	36 06
Oct. 25			
BYRD		eP	09 30 48
SP		iP	09 30 51
Oct. 25			
BYRD		eP	10 18 16
SP		iP	10 18 52
Oct. 25			
BYRD		iP	12 54 13
SP		iP	12 54 43
Oct. 25			
BYRD		eP	13 12 46
SP		eP	13 13 23
		iP	13 25
Oct. 25			
SP		eP	17 13 45
Oct. 25			
SP		iP	18 37 22
Oct. 25			
BYRD		eP	18 43 15
SP		eP	18 44 42

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Date and Station		Phase (GCT)
Oct. 25		h m s
BYRD	eP	21 05 11
SP	eP	21 04 54
Oct. 26		
BYRD	eP	02 31 26
	ePP	35 28
KOR	iP	02 21 42
	i	22 04
SP	iP	02 31 00
Oct. 26		
BYRD	eP	05 50 19
SP	iP	05 50 54
Oct. 26		
BYRD	iP	12 51 38
	ePP	53 09
	eS	57 58
SP	eP	12 50 45
	eL	13 00 53
Oct. 26		
BYRD	eP'	15 43 52
SP	eP'	15 44 03
THULE	eP	15 29(23)
	eS	33(27)
Oct. 26		
BYRD	eP	16 29 11
SP	eP	16 29 30
Oct. 26		
BYRD	eP	19 01 16
GUAM	eP	18 52 14
KOR	iP	18 49 44
	iS	51 03
SP	eP	19 00 57
Oct. 26		
SP	eP	21 01 10
Oct. 27		
SP	e(P)	00 38 28
	e	40 16
Oct. 27		
SP	iP'	10 10 29
Oct. 27		
BYRD	eP	15 15 01
SP	eP	15 15 37
Oct. 27		
BYRD	iP	16 09 32
SP	eP	16 08 32

Date and Station		Phase (GCT)
Oct. 27		h m s
BYRD	iP'	18 36 09
	eSKP	39 32
SP	eP'	18 35 56
	ipP'	36 09
THULE	iP	18 26(52)
Oct. 27		
BYRD	eP	18 44 51
SP	iP	18 44 48
Oct. 27		
BYRD	eP	19 07 11
SP	iP	19 06 45
Oct. 27		
BYRD	eP	19 37 00
Oct. 27		
BYRD	eP'	19 40 32
SP	iP'	19 40 36
Oct. 27		
SP	eP	22 30 02
Oct. 28		
BYRD	eP	01 57 18
Oct. 28		
BYRD	eP	02 23 08
Oct. 28		
BYRD	iP	04 19 32
	eS	23 24
	eL	24 16
SP	eP	04 20 45
Oct. 28		
THULE	eP	04 48(36)
	eL	49(39)
Oct. 28		
SP	eP	05 02 51
Oct. 28		
SP	eP	05 07 14
Oct. 28		
BYRD	eP	05 17 14
	eS	21 09
SP	eP	05 18 35
Oct. 28		
BYRD	eP'	05 41 42
	iP'	41 47
SP	eP'	05 41 24
	i	41 31
Oct. 28		
BYRD	iP	06 08 26

Date and Station		Phase (GCT)
		h m s
SP	eP	06 08 08
Oct. 28		
SP	e(P)	07 11 49
Oct. 28		
THULE	iP	08 03(37)
Oct. 28		
BYRD	eP	08 39 05
	eS	43 17
	eL	45 12
SP	eP	08 40 25
Oct. 28		
BYRD	eP	10 10 49
SP	eP	10 11 25
Oct. 28		
GUAM	iP	10 05 07
	eS	05 16
TRUK	eP	10 06 59
	iS	08 31
Oct. 28		
BYRD	eP'	11 05 34
	ePP	07 36
	eSKP	09 10
	eSKSP	17 58
	eL	43 22
THULE	iP	10 57(54)
KOR	iP	10 55 53
	i	56 51
SP	iP'	11 05 22
Oct. 28		
BYRD	eP	16 32 16
SP	iP	16 32 17
Oct. 28		
BYRD	eP	18 30 41
	ipP	30 58
KOR	eP	18 23 01
	i	23 28
SP	iP	18 30 42
	ipP	30 59
TRUK	eP	18 21 08
Oct. 28		
SP	eP	19 00 06
Oct. 28		
BYRD	iP	19 19 21
SP	iP	19 19 36
Oct. 28		
SP	eP	20 39 10

Date and Station		Phase (GCT)
Oct. 28		h m s
SP	iP	23 19 22
Oct. 28		
THULE	eP	23 58(28)
Oct. 29		
BYRD	eP'	00 09 26
SP	eP'	00 09 31
	iP'	09 37
	eSKP	12 50
	eSKKP	21 37
Oct. 29		
SP	iP	03 37 43
Oct. 29		
BYRD	eP	05 55 19
	eS	59 48
SP	iP	05 56 42
	eL	06 05 49
Oct. 29		
BYRD	eP	06 00 53
	eS	04 18
SP	iP	06 02 20
	e	03 24
Oct. 29		
SP	eP'	06 27 00
Oct. 29		
BYRD	eP'	08 03 20
	iP'	03 30
	ePP	06 37
	eSKP	07 02
	e	08 09
	eSKKS	12 59
GUAM	eP	07 52 40
KOR	eP	07 54 00C
	iPcP	54 57
SP	eP'	08 03 34
	i	03 44
	iSKP	07 19
THULE	iP	07 52(31)C
	eS	58(01)
TRUK	iP	07 53 02
Oct, 29		
BYRD	eP'	08 14 34
	eSKP	18 03
	eSKKS	24 07
SP	eP'	08 14 41
	iSKP	18 19
Oct. 29		
BYRD	eP'	08 25 37
SP	eP'	08 25 43

Date and Station		Phase (GCT)
		h m s
THULE	iP	08 14(40)
Oct. 29 SP	eP'	08 28 07
THULE	eP	08 16(55)
Oct. 29 BYRD	eP	15 36 34
SP	iP	15 36 33
	i	36 46
Oct. 29 SP	iP	16 44 50
Oct. 29 BYRD	iP	17 38 41
SP	iP	17 39 17
Oct. 29 SP	iP	18 07 33
Oct. 29 BYRD	eP'	19 44 48
SP	eP'	19 44 54
Oct. 30 SP	eP	02 38 01
Oct. 30 BYRD	eP	02 56 21
SP	iP	02 56 38
Oct. 30 THULE	eP	03 52(55)
Oct. 30 SP	eP	05 20 06
Oct. 30 SP	eP	05 25 07
Oct. 30 SP	eP	08 17 12
Oct. 30 BYRD	eP	08 24 53
SP	eP	08 25 40
Oct. 30 TRUK	iP	09 37 25
	eS	39 53
Oct. 30 BYRD	eP	10 15 41
GUAM	iP	10 14 05
SP	iP	10 16 13
Oct. 30 SP	iP'	15 19 06

Date and Station		Phase (GCT)
		h m s
THULE	eP	15 08(15)
Oct. 30 BYRD	eP	17 13 34
SP	eP	17 14 17
Oct. 30 BYRD	iP	22 12 32
SP	iP	22 13 12
Oct. 30 GUAM	eP	22 34 10
TRUK	iP	22 35 28
Oct. 30 BYRD	eP	23 16 40
SP	eP	23 16 48
TRUK	iP	23 09 08
Oct. 31 SP	eP	00 51 25
Oct. 31 THULE	iP	03 42(16)
	iS	42(52)
Oct. 31 BYRD	eP	05 50 21
SP	eP	05 51 00
Oct. 31 SP	eP'	08 06 09
Oct. 31 BYRD	eP	12 52 06
SP	iP	12 52 30
	i	52 48
Oct. 31 BYRD	eP	19 15 49
Oct. 31 GUAM	eP	19 06 55
KOR	iP	19 06 45
	iS	11 00
SP	iP	19 15 44
TRUK	iP	19 05 53
Oct. 31 BYRD	eP	21 27 33
SP	iP	21 28 02
Oct. 31 BYRD	iP'	23 58 07
	ipP'	58 33

Date and Station		Phase (GCT)
		h m s
GUAM	eP	23 44 33
	ipP	44 52
	isP	45 03
	iPP	45 12
	ipPP	45 23
KOR	iP	23 44 04
SP	iP'	23 57 58
	ipP'	58 23
	e	59 24
THULE	iP	23 51(22)
TRUK	iP	23 45 56
	ipP	46 31

Date and Station	Phase (GCT)
	h m s