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SEISMOLOGICAL BULLETIN

IGY SUPPLEMENT

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

These 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)
Nov. 1		h m s
BYRD	eP	03 51 24
	eS	04 02 08
GUAM	iP	03 42 44
	i(S)	45 34
KOR	iP	03 43 04
	eL	50 00
SP	eP	03 51 23
THULE	eP	03 52 44
TRUK	eP	03 41 10
	iS	43 05
	eT	50 35
Nov. 1		
SP	eP'	05 47 15
	e	48 35
Nov. 1		
BYRD	eP	06 16 46
SP	eP	06 16 40
Nov. 1		
BYRD	eP	06 19 40
GUAM	eP	06 10 48
KOR	eP	06 10 28
	eL	15 35
SP	iP	06 19 34
TRUK	iP	06 09 44
	i	10 30
Nov. 1		
BYRD	eP	06 28 45
GUAM	eP	06 19 51
	eS	22 43
KOR	iP	06 19 42
SP	eP	06 28 39
TRUK	iP	06 18 48
	e(S)	20 37
Nov. 1		
SP	iP	06 22 26
Nov. 1		
BYRD	eP	08 34 18
SP	iP	08 34 15
	i(pp)	34 31
TRUK	iP	08 25 29
Nov. 1		
BYRD	iP	10 00 00
SP	iP	10 00 43
	i	00 57

Date and Station		Phase (GCT)
Nov. 1		h m s
BYRD	eP	12 19 33
KOR	iP	12 16 21
SP	iP	12 19 51
TRUK	i(P)	12 14 43
Nov. 1		
BYRD	eP	12 26 54
KOR	iP	12 23 41
SP	eP	12 27 10
TRUK	iP	12 21 50
Nov. 1		
BYRD	eP	12 27 47
	eS	36 57
GUAM	eP	12 24 00
KOR	iP	12 24 36
SP	iP	12 28 04
	i	28 13
THULE	eP'	12 35 19
TRUK	iP	12 22 45
Nov. 1		
BYRD	eP	12 40 23
SP	iP	12 40 39
Nov. 1		
SP	eP	12 43 51
Nov. 1		
SP	iP	14 42 40
Nov. 1		
BYRD	iP	15 34 11
SP	eP	15 34 48
Nov. 1		
BYRD	iP	16 01 25
	eS	10 35
KOR	iP	15 57 57
SP	iP	16 01 40
TRUK	eP	15 56 19
Nov. 1		
SP	eP	16 08 44
Nov. 1		
SP	eP	16 28 10
Nov. 1		
SP	eP	16 38 23

Date and Station		Phase (GCT)
Nov. 1		h m s
BYRD	iP	17 37 09
SP	iP	17 37 26
	i	37 33
Nov. 1		
BYRD	eP	17 40 15
SP	eP	17 40 33
Nov. 1		
BYRD	eP	18 12 25
SP	eP	18 12 42
Nov. 1		
SP	iP	19 37 37
	i	37 47
Nov. 1		
SP	eP	19 39 56
Nov. 1		
SP	iP	19 51 02
Nov. 1		
SP	eP	19 58 47
Nov. 1		
BYRD	eP	21 39 59
SP	eP	21 40 18
Nov. 1		
BYRD	eP	23 40 06
SP	eP	23 40 23
Nov. 2		
SP	eP	00 21 20
Nov. 2		
SP	iP'	00 25 28
	ePP	27 42
Nov. 2		
SP	eP	01 01 37
Nov. 2		
SP	iP	01 28 27
Nov. 2		
THULE	iP	03 23 00
	iS	24 57
	iL	26 01
Nov. 2		
SP	iP	08 10 32
Nov. 2		
TRUK	iP	08 53 55
Nov. 2		
SP	iP	09 45 21
Nov. 2		
SP	eP	10 28 13

Date and Station		Phase (GCT)
Nov. 2		h m s
BYRD	eP'	11 03 19
THULE	eP	10 52 59
SP	eP'	11 04 11
	eSKP	07 50
Nov. 2		
SP	eP	13 10 14
Nov. 2		
SP	iP	17 03 26
Nov. 2		
SP	eP	18 16 16
Nov. 2		
SP	iP	18 20 53
Nov. 2		
SP	eP	19 54 38
Nov. 2		
SP	iP	20 33 17
Nov. 2		
SP	iP	23 45 48
Nov. 3		
BYRD	eP	00 06 40
Nov. 3		
BYRD	iP	04 10 06
SP	iP	04 10 36
Nov. 3		
SP	iP	11 01 53
Nov. 3		
SP	eP	13 04 13
Nov. 3		
SP	eP	13 36 02
Nov. 3		
SP	iP	14 32 01
Nov. 3		
BYRD	iP'	14 50 48
SP	iP'	14 50 27
THULE	iP	14 43 02
TRUK	iP	14 42 30
Nov. 3		
SP	iP	15 12 20
Nov. 3		
SP	iP	19 32 38
Nov. 3		
SP	eP	21 16 57
Nov. 4		
BYRD	eP	00 37 01

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Date and Station		Phase	(GCT) h m s
SP		iP	00 36 56
		i	37 07
Nov. 4 BYRD		eP	02 27 00
Nov. 4 BYRD		iP	08 47 18
GUAM		iP	08 32 06
KOR		iP	08 33 18
SP		eP'	08 47 13
		ePP	48 27
		ePKKP	57 35
THULE		iP	08 40 07
TRUK		iP	08 33 34
Nov. 4 BYRD		iP'	08 49 49
GUAM		iP	08 34 38
KOR		iP	08 35 50
SP		iP'	08 49 45
		ePP	50 58
		iPKKP	09 00 07
THULE		iP	08 42 38
TRUK		iP	08 36 11
		i	36 35
Nov. 4 BYRD		iP	09 29 29
SP		iP	09 30 00
Nov. 4 SP		eP	11 26 00
Nov. 4 BYRD		iP	16 54 28
SP		iP	16 54 11
		i	56 48
		e	17 00 28
Nov. 4 KOR		eP	18 36 57
SP		iP	18 45 41
TRUK		iP	18 36 28
Nov. 4 BYRD		eP	20 07 03
KOR		iP	20 02 30
SP		iP	20 07 17
TRUK		iP	20 00 19

Date and Station		Phase	(GCT) h m s
Nov. 4 BYRD		iP	23 01 00
		eL	06 06
SP		iP	23 02 25
		ePP	03 57
		ePcP	04 28
		eL	09 38
Nov. 4 BYRD		iP	23 23 52
Nov. 4 BYRD		iP	23 46 05
KOR		eP	23 42 33
SP		iP	23 46 22
TRUK		eP	23 40 57
Nov. 4 SP		iP	23 49 58
Nov. 5 BYRD		eP	04 39 06
SP		eP	04 39 20
Nov. 5 BYRD		iP	06 43 07
SP		iP	06 43 21
Nov. 5 BYRD		iP	08 10 45
		ipP	11 14
SP		iP	08 11 18
		ipP	11 49
		isP	12 05
Nov. 5 BYRD		iP	13 10 58
SP		iP	13 11 25
Nov. 5 THULE		eP	14 36 25
		e	36 52
Nov. 5 THULE		eP	14 55 27
		e	56 10
		e	56 42
Nov. 5 THULE		eP	15 54(05)
		e	56(05)
Nov. 5 KOR		eP	15 59 56
SP		iP'	16 07 05
Nov. 5 BYRD		eP	20 20 37
SP		iP	20 19 40

Date and Station		Phase	(GCT) h m s
Nov. 6 BYRD		eP	08 52 48
SP		eP	08 53 46
Nov. 6 BYRD		iP	10 05 41
SP		iP	10 06 58
Nov. 6 BYRD		iP	15 42 21
KOR		iP	15 33 33
		iS	36 13
		isS	37 31
		iScP	41 19
TRUK		eP	15 35 32
		ipP	36 27
Nov. 6 BYRD		iP	17 19 06
SP		iP	17 18 49
Nov. 6 BYRD		eP	21 34 01
SP		iP	21 34 13
Nov. 6 BYRD		eP'	23 17 04
GUAM		eP	23 04 01D
KOR		iP	23 05 31C
SP		e(P)	23 14 44
		eP'	17 08D
		iPP	19 53
		i	21 44
		ePPP	22 48
		i(pPPP)	23 17
		i	27 23
		e	29 06
		iSKKP	29 41
		ipSP	30 31
		eP'P'	32 48
		eSS	36 53
		eP'P'P'	54 04
THULE		iP	23 07 51C
		iPP	09 55
		ipPP	10 14
		iPPP	11 05
		iS	15 44
		isS	16 13
		eL	28 02
		e(P'P')	36 19
TRUK		iP	23 05 16D
Nov. 6 SP		iP'	23 23 34
Nov. 6 SP		iP'	23 25 21
		ePP	27 50

Date and Station		Phase	(GCT) h m s
Nov. 6 SP		eP'	23 53 16
Nov. 7 SP		iP	00 02 28
Nov. 7 SP		iP	00 05 52
Nov. 7 KOR		eP	00 43 47
THULE		iP	00 46 05
TRUK		iP	00 43 37
Nov. 7 THULE		iP	00 47 38
Nov. 7 THULE		eP	01 11 48
Nov. 7 BYRD		iP'	01 24 13
SP		iP'	01 24 24
Nov. 7 BYRD		eP'	01 33 15
SP		eP'	01 33 03
THULE		iP	01 23 32
Nov. 7 BYRD		eP'	02 02 15
KOR		eP	01 50 42
SP		eP'	02 02 13
		ePP	05 00
THULE		iP	01 52 44
TRUK		eP	01 50 07
Nov. 7 THULE		iP	02 05 23
Nov. 7 BYRD		eP'	02 29 56
SP		iP'	02 29 34
THULE		eP	02 20 02
Nov. 7 THULE		eP	02 26 46
Nov. 7 THULE		eP	02 47 58
Nov. 7 SP		iP	02 53 37
Nov. 7 BYRD		eP'	03 10 06
KOR		e(P)	02 58 32

Date and Station		Phase (GCT) h m s
THULE	eP	03 00 36
	ipP	00 51
Nov. 7 THULE	eP	03 36 42
Nov. 7 BYRD	eP'	05 19 10
	eSKP	22 38
SP	eP'	05 19 09
	ePP	21 46
	eSKP	22 41
THULE	iP	05 09 30
	ipP	09 51
TRUK	eP	05 07 11
Nov. 7 BYRD	eP'	06 44 47
SP	eP'	06 45 46
Nov. 7 BYRD	eP'	07 59 56
	eSKP	08 03 18
KOR	eP	07 48 11
SP	iP'	07 59 56
	eSKP	08 03 19
THULE	iP	07 50 25
Nov. 7 BYRD	iP	07 57 10
SP	iP	07 57 40
	iPcP	57 56
Nov. 7 BYRD	eP'	10 29 02
SP	eP'	10 29 06
Nov. 7 BYRD	eP'	10 46 48
SP	iP'	10 46 50
Nov. 7 BYRD	eP'	10 48 34
KOR	iP	10 36 55
SP	eP'	10 48 35
THULE	iP	10 39 10
Nov. 7 KOR	eP	11 32 01
SP	eP'	11 43 38
	ePP	46 29
THULE	iP	11 34 10
	ipP	34 22
Nov. 7 SP	eP'	14 07 59
Nov. 7 BYRD	eP'	14 43 53
SP	eP'	14 43 53
Nov. 7 SP	iP	15 42 11
	eS	51 56
Nov. 7 BYRD	iP'	17 52 01
KOR	eP	17 40 06
SP	iP'	17 52 02
	ePP	54 27
	eSKP	55 27
THULE	eP	17 42 34
TRUK	eP	17 39 52
Nov. 7 KOR	eP	19 22 10
THULE	eP	19 24 21
Nov. 7 BYRD	eP	20 35 47
SP	eP	20 36 10
Nov. 7 SP	eP'	20 50 31
Nov. 7 SP	iP'	23 27 24
	i	27 35
Nov. 8 SP	iP'	03 22 26
Nov. 8 BYRD	eP	07 27 20
SP	iP	07 27 51
Nov. 8 BYRD	eP'	09 42 12
	ePP	45 29
KOR	eP	09 31 42
	i	33 06
SP	iP'	09 42 18
	ePP	45 46
THULE	iP	09 31 38
	iS	38 40
	eL	51 20
TRUK	iP	09 31 20
Nov. 8 SP	eP'	09 52 30
Nov. 8 SP	eP'	10 39 19
Nov. 8 BYRD	iP	10 46 02
SP	iP	10 46 36
Nov. 8 BYRD	eP'	11 35 59
SP	eP'	11 35 58
Nov. 8 BYRD	eP'	12 27 51
SP	eP'	12 27 48
THULE	iP	12 18 20
Nov. 8 BYRD	eP'	13 15 00
SP	eP'	13 14 57
Nov. 8 SP	iP	13 28 57
	ipP	29 28
Nov. 8 SP	eP'	13 44 37
THULE	eP	13 35 06
Nov. 8 SP	eP'	13 56 43
Nov. 8 SP	eP'	14 36 00
Nov. 8 BYRD	iP	16 12 12
SP	eP	16 12 03
Nov. 8 SP	eP	17 20 32
Nov. 8 SP	iP	17 28 21
Nov. 8 SP	iP'	17 37 01
Nov. 8 BYRD	iP	18 21 43
SP	iP	18 22 11
Nov. 8 BYRD	eP	18 43 47
SP	eP	18 43 41
Nov. 8 SP	eP	19 50 52
	ePP	54 54
TRUK	iP	19 46 51
Nov. 9 KOR	eP	03 22 03
SP	eP'	03 34 07
Nov. 9 SP	iP	03 52 58
Nov. 9 SP	eP'	05 36 43
Nov. 9 SP	eP'	08 24 57
Nov. 9 SP	iP	09 41 02
Nov. 9 BYRD	eP'	10 36 50
SP	iP'	10 36 52
THULE	eP	10 27 17
Nov. 9 BYRD	eP'	10 38 27
SP	eP'	10 38 25
Nov. 9 BYRD	iP	11 49 03
SP	iP	11 49 37
Nov. 9 SP	iP	12 26 26
Nov. 9 TRUK	eP	13 52 22
Nov. 9 KOR	eP	14 48 52
	i(S)	50 59
Nov. 9 BYRD	eP'	14 52 37
SP	eP'	14 52 35
THULE	eP	14 43 08
Nov. 9 SP	eP	15 03 15
Nov. 9 BYRD	iP'	18 11 55
KOR	eP	18 00 10
SP	eP'	18 12 08
	iP'	12 13
	ePP	14 47
	eSKP	15 39
THULE	iP	18 02 45
Nov. 9 BYRD	eP'	21 24 04

Date and Station	Phase	Phase (GCT) h m s
SP	eP'	21 24 05
Nov. 10 THULE	eP	06 10 24
	e	14 02
Nov. 10 SP	iP	06 33 40
Nov. 10 BYRD	eP	07 09 22
SP	eP	07 10 17
	iP	10 18
Nov. 10 BYRD	eP	07 30 48
SP	iP	07 30 26
Nov. 10 SP	eP	11 21 18
	e	22 43
Nov. 10 BYRD	iP	11 24 28
SP	iP	11 25 23
Nov. 10 SP	eP	12 10 08
Nov. 10 THULE	eP	12 14 16
Nov. 10 GUAM	iP	12 16 13
TRUK	eP	12 18 05
Nov. 10 GUAM	iP	12 29 24
	i(S)	29 49
Nov. 10 GUAM	iP	13 45 59
Nov. 10 GUAM	iP	14 14 18
TRUK	eP	14 16 46
	e	18 25
Nov. 10 SP	iP	17 13 11
Nov. 10 BYRD	eP'	20 15 05
SP	eP'	20 15 01
Nov. 10 GUAM	iP	21 06 51
TRUK	eP	21 08 44
	eS	10 20
Nov. 11 THULE	eP	01 51 33
	e	52 24
Nov. 11 THULE	eP	01 58 14
Nov. 11 THULE	eP	12 08 44
	e	10 44
Nov. 11 SP	iP	13 10 51
	i	11 19
Nov. 11 BYRD	eP'	14 05 10
SP	iP'	14 05 00
Nov. 11 SP	eP	14 13 41
Nov. 11 SP	eP	16 20 05
Nov. 11 SP	iP	17 23 18
Nov. 11 SP	eP	17 52 49
Nov. 11 SP	iP	17 58 40
Nov. 11 SP	iP	19 34 44
Nov. 11 BYRD	eP	19 46 04
SP	eP	19 47 15
Nov. 11 GUAM	eP	22 35 48
Nov. 11 BYRD	iP	22 48 09
SP	iP	22 48 48
	iPP	51 17
Nov. 12 BYRD	iP	01 30 42
Nov. 12 BYRD	eP	04 00 49
SP	iP	03 59 53
Nov. 12 KOR	eP	04 02 28
Nov. 12 SP	iP	04 10 20
Nov. 12 BYRD	eP	06 22 22
SP	eP	06 22 53
THULE	eP	06 20 07
Nov. 12 BYRD	iP	09 58 55
SP	iP	09 58 57
TRUK	eP	09 49 04
	e(S)	51 09
Nov. 12 SP	iP	10 17 27
Nov. 12 BYRD	iP	10 52 03
	ipP	52 16
KOR	eP	10 45 06
SP	iP	10 52 07
	ipP	52 20
	ePKKP	11 10 22
TRUK	eP	10 43 09
	iS	45 45
	eT	54 24
Nov. 12 SP	iP	11 21 55
Nov. 12 SP	eP	11 27 13
Nov. 12 THULE	eP	11 37 18
	i	38 23
	i	38 31
Nov. 12 SP	iP	12 55 45
Nov. 12 SP	iP	13 07 20
Nov. 12 SP	eP	14 56 21
Nov. 12 BYRD	eP'	18 03 30
SP	eP'	18 03 28
Nov. 12 BYRD	eP	18 24 03
SP	iP	18 24 37
Nov. 12 BYRD	eP'	18 56 08
SP	eP'	18 56 10
Nov. 12 SP	eP'	19 36 03
Nov. 12 BYRD	eP'	20 42 45
	ePP	45 09
	iPKS	46 18
GUAM	eP	20 29 41(D)
KOR	eP	20 30 54C
	iPcP	33 03
	iS	36 38
SP	e(P)	20 40 04
	e	42 30
	eP'	42 39
	iP'	42 45D
	ePP	45 19
	eSKP	46 13
	iSKKP	56 56
	ePPS	21 03 29
THULE	iP	20 33 14D
	iPcP	34 02
	iPP	35 25
	ePPP	36 42
Nov. 12 SP	eP	21 18 37
Nov. 12 SP	eP	21 27 51
Nov. 12 BYRD	eP'	21 42 43
SP	eP'	21 42 37
Nov. 12 SP	eP'	23 18 53
THULE	iP	23 09 20
Nov. 12 BYRD	eP'	23 51 19
SP	eP'	23 51 17
Nov. 13 BYRD	eP'	03 15 44
SP	eP'	03 16 44
THULE	eP	03 06 17
Nov. 13 BYRD	iP'	04 23 56
	ePP	27 21
GUAM	e(P)	04 11 06
KOR	iP	04 12 04
	iPcP	14 02
SP	eP'	04 23 41
	iP'	23 53
	ePP	26 26
	iSKP	27 22
THULE	eP	04 14 26

Date and Station	Phase	(GCT) h m s
TRUK	eP	04 11 44
Nov. 13		
GUAM	iP	05 38 14
	i(S)	38 30
Nov. 13		
BYRD	eP'	06 19 09
SP	eP'	06 19 07
Nov. 13		
BYRD	eP	08 43 08
SP	iP	08 42 24
Nov. 13		
BYRD	eP	09 19 30
SP	eP	09 20 01
Nov. 13		
THULE	eP	10 43 01
Nov. 13		
KOR	eP	12 43 55
	iS	44 55
Nov. 13		
SP	iP	12 51 31
TRUK	eP	12 41 57
	eS	43 52
Nov. 13		
SP	eP	16 30 10
	ePP	34 11
	ePKKP	46 58
TRUK	eP	16 26 23
Nov. 13		
SP	iP	16 40 34
Nov. 13		
BYRD	iP'	18 53 42
SP	eP'	18 53 33
	iP'	53 43
	ipP'	53 56
	ePP	56 04
THULE	eP	18 44 11
Nov. 13		
THULE	eP	23 31(49)
Nov. 14		
SP	eP'	00 06 09
Nov. 14		
SP	iP	01 54 53
Nov. 14		
BYRD	eP	03 35 25
KOR	iP	03 26 04
	i	27 30

Date and Station	Phase	(GCT) h m s
SP	eP	03 35 02
TRUK	eP	03 28 05
Nov. 14		
KOR	eP	04 36 29
	iS	37 14
Nov. 14		
BYRD	eP	05 12 41
	eS	18 38
SP	iP	05 13 53
Nov. 14		
BYRD	iP'	05 54 11
	ePP	57 40
KOR	iP	05 42 21
SP	e(P')	05 53 55
	eP'	54 10
	ePP	56 37
	eSKP	57 48
THULE	iP	05 44 42
TRUK	iP	05 42 05
Nov. 14		
SP	eP	06 00 33
	ePP	05 11
THULE	eP	05 56 52
Nov. 14		
BYRD	eP	09 40 00
Nov. 14		
SP	iP	10 32 22
Nov. 14		
SP	iP	11 15 08
Nov. 14		
THULE	eP	13 47 49
	e	52 14
Nov. 14		
BYRD	eP	14 01 09
	eS	11 23
	ePKKP	19 02
GUAM	iP	13 53 35
KOR	iP	13 51 45
SP	iP	14 00 52
	eS	10 55
	ePKKP	19 09
	e(P'P')	26 46
	iP'P'	27 12
	eP'P'P'	47 57
TRUK	iP	13 53 44
	iS	58 01
Nov. 14		
THULE	eP	15 32 50

Date and Station	Phase	(GCT) h m s
Nov. 15		
THULE	eP	01 23 56
	i	24 05
Nov. 15		
BYRD	iP	04 35 01
SP	iP	04 35 21
Nov. 15		
BYRD	eP'	06 01 00
THULE	eP	05 52 05
SP	iP'	06 01 45
	ePP	03 52
Nov. 15		
SP	iP	07 36 46
Nov. 15		
BYRD	iP'	09 20 04
	iSKP	23 28
SP	eP'	09 19 50
	iP'	20 03
	i	20 23
	ePP	22 38
	iSKP	23 27
THULE	iP	09 10 34
	iPcP	11 36
	iPP	12 45
Nov. 15		
BYRD	eP'	10 12 13
SP	eP'	10 12 14
Nov. 15		
THULE	eP	15 28 13
Nov. 15		
SP	eP	16 52 39
Nov. 15		
BYRD	eP	17 11 45
Nov. 15		
BYRD	eP	19 26 10
SP	iP	19 26 45
Nov. 15		
SP	iP	20 24 22
Nov. 15		
SP	eP'	23 39 38
Nov. 16		
BYRD	e(P)	01 26 41
SP	eP	01 26 23
Nov. 16		
SP	iP	03 15 56
Nov. 16		
BYRD	eP'	05 06 49

Date and Station	Phase	(GCT) h m s
Nov. 16		
SP	eP'	05 06 50
Nov. 16		
SP	iP	10 07 44
Nov. 16		
BYRD	eP'	10 39 40
Nov. 16		
SP	iP	14 23 39
Nov. 16		
BYRD	eP	15 24 30
SP	iP	15 23 21
Nov. 16		
SP	iP	15 39 52
Nov. 16		
BYRD	iP	17 55 52
	iS	18 04 54
SP	iP	17 56 28
	ePP	59 23
	eS	18 06 01
Nov. 16		
BYRD	eP	18 13 23
SP	iP	18 13 41
	eP'P'	41 43
Nov. 16		
SP	iP	19 35 17
Nov. 16		
BYRD	iP	19 37 10
SP	iP	19 37 10
Nov. 16		
BYRD	eP'	20 43 13
SP	eP'	20 43 11
Nov. 16		
THULE	eP	21 22 14
Nov. 16		
BYRD	iP'	22 04 55
GUAM	eP	21 49 09
	iP	49 18
	iS	51 54
	iPcP	53 40
SP	iP'	22 03 52
	ipP'	05 17
Nov. 16		
BYRD	eP	22 54 08
THULE	eP	22 52 37
Nov. 17		
BYRD	iP	09 58 30

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Date and Station		Phase	(GCT) h m s
GUAM		e(P)	09 52 35
SP		iP	09 58 40
THUK		iP	09 51 12
		eL	58 40
Nov. 17 SP		iP	11 39 09
Nov. 17 THULE		eP	15 01 12
Nov. 17 BYRD		iP'	15 53 43
SP		eP'	15 53 31
		iP'	53 42
THULE		iP	15 44 13
Nov. 17 GUAM		eP	16 21 14
KOR		iP	16 19 29
		eS	21 23
Nov. 17 BYRD		eP	17 05 19
SP		iP	17 05 55
Nov. 17 GUAM		eP	18 11 18
		e(S)	11 28
Nov. 17 BYRD		eP	18 36 16
Nov. 17 BYRD		iP	18 55 47
SP		iP	18 56 05
Nov. 17 BYRD		eP	19 32 06
Nov. 17 SP		iP	19 45 29
Nov. 17 BYRD		eP	22 10 24
SP		eP	22 09 19
		aPP	11 02
Nov. 17 BYRD		eP	19 45 11
Nov. 17 THULE		eP	23 55 22
Nov. 18 BYRD		eP'	08 04 41
SP		eP'	08 04 49
THULE		eP	07 53 42
		i	54 30
Nov. 18 THULE		iP	07 59 13
		i	08 00 00
		e	04 54
Nov. 18 BYRD		eP	08 06 07
SP		eP	08 06 05
Nov. 18 BYRD		eP'	08 16 04
SP		eP'	08 16 01
Nov. 18 THULE		iP	09 29 01
Nov. 18 THULE		iP	18 42 50
Nov. 18 BYRD		iP	23 15 44
SP		eP	23 15 26
Nov. 19 BYRD		iP	01 44 05
		iPcP	44 50
		ipP	45 53
Nov. 19 THULE		eP	02 43 05
Nov. 19 BYRD		iP	04 03 26
Nov. 19 THULE		iP	05 28 45
Nov. 19 BYRD		iP	07 43 54
Nov. 19 BYRD		iP'	09 43 06
		ipP'	43 22
		eSKP	46 33
THULE		iP	09 33 35
		ipP	34 03
		iPP	35 41
THUK		eP	09 30 57
Nov. 19 BYRD		iP'	15 21 57
KOR		iP	15 14 00
THULE		iP	15 08 28
		iPP	09 36
		iPcP	11 24
		i	11 47
Nov. 19 BYRD		eP	18 39 59
Nov. 19 BYRD		iP	19 41 17
SP		iP	19 41 44
Nov. 19 THULE		eP	22 02 04
Nov. 20 BYRD		iP	01 50 49
SP		iP	01 51 21
Nov. 20 BYRD		eP'	05 55 46
SP		eP'	05 55 58
		aPP	59 27
THULE		iP	05 45 16
Nov. 20 BYRD		iP	06 18 24
SP		iP	06 18 35
Nov. 20 BYRD		iP	06 20 29
SP		iP	06 20 34
Nov. 20 THULE		iP	06 30 28
Nov. 20 BYRD		eP'	06 50 43
SP		eP'	06 50 44
THULE		eP	06 41 11
Nov. 20 BYRD		eP'	06 53 51
SP		iP'	06 53 59
THULE		iP	06 44 18
Nov. 20 BYRD		eP'	14 37 17
		eSKP	40 44
SP		eP'	14 37 13
		iP'	37 18
THULE		iP	14 27 43
		i	27 53
		ePcP	28 25
Nov. 20 SP		iP	20 18 45
Nov. 20 BYRD		iP	22 07 37
SP		iP	22 07 17
		i	10 15
Nov. 21 BYRD		eP'	02 00 17
SP		eP'	02 00 11
THULE		iP	01 50 28
Nov. 21 THULE		iP	05 10 16
Nov. 21 THULE		eP	07 08 09
Nov. 21 BYRD		iP	07 41 03
SP		iP	07 41 40
Nov. 21 BYRD		eP	07 57 42
SP		iP	07 58 20
Nov. 21 SP		eP	08 27 36
Nov. 21 BYRD		iP	09 49 41
SP		iP	09 49 23
Nov. 21 THULE		eP	10 05 37
Nov. 21 SP		iP	12 10 12
Nov. 21 THULE		eP	12 17 25
Nov. 21 THULE		eP	13 28 12
Nov. 21 SP		eP	14 28 28
Nov. 21 BYRD		eP'	15 17 15
SP		eP'	15 17 17
Nov. 21 SP		eP	15 34 53
Nov. 21 THULE		i(P)	16 56 50
		i	57 13
Nov. 21 BYRD		eP	17 46 16
SP		iP	17 46 19
Nov. 21 BYRD		eP	23 46 05

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Date and Station		Phase (GCT)
		h m s
SP	iP	23 46 05
Nov. 22		
GUAM	iP	00 11 57
KOR	iP	00 10 15
SP	iP	00 16 29
	ePP	19 16
	eS	26 25
	iPKKP	35 20
	eP'P'	43 04
THULE	iP'	00 23 03
TRUK	iP	00 12 25
Nov. 22		
BYRD	eP	00 48 52
SP	iP	00 48 36
	e	49 57
Nov. 22		
SP	iP	01 43 08
Nov. 22		
SP	iP	02 02 09
Nov. 22		
BYRD	iP	02 09 55
	i	10 11
	ePP	13 28
	eS	20 08
GUAM	eP	02 01 56
	i	02 07
KOR	iP	01 59 56
SP	iP	02 09 39
	i	09 55
	iPP	12 51
	eS	19 58
TRUK	iP	02 02 10
	eS	06 25
Nov. 22		
SP	iP	02 44 46
Nov. 22		
THULE	iP	03 28 43
Nov. 22		
SP	eP	03 32 23
Nov. 22		
SP	eP	08 29 03
Nov. 22		
BYRD	eP	08 58 16
SP	iP	08 58 52
	i	59 13
Nov. 22		
SP	iP	11 39 45

Date and Station		Phase (GCT)
		h m s
Nov. 22		
SP	iP	12 20 27
Nov. 22		
SP	iP	14 39 06
	i	39 44
Nov. 22		
BYRD	eP	14 43 05
Nov. 22		
SP	iP	16 23 41
Nov. 22		
SP	iP	19 42 00
Nov. 22		
BYRD	iP	20 57 24
SP	iP	20 57 06
Nov. 23		
SP	iP	01 30 38
Nov. 23		
BYRD	e(P)	02 06 49
Nov. 23		
BYRD	eP	02 57 49
SP	iP	02 58 15
Nov. 23		
BYRD	eP	03 33 09
SP	iP	03 33 45
Nov. 23		
BYRD	eP	10 21 07
SP	iP	10 21 10
Nov. 23		
THULE	eP	13 01 10
Nov. 23		
BYRD	eP	14 14 48
SP	iP	14 15 05
Nov. 23		
BYRD	eP	18 17 34
SP	iP	18 17 25
Nov. 23		
BYRD	eP'	18 40 57
GUAM	iP	18 25 52
SP	iP'	18 39 54
Nov. 23		
SP	iP'	18 46 45
Nov. 23		
SP	iP	19 21 41
Nov. 23		
SP	eP	19 40 27

Date and Station		Phase (GCT)
		h m s
Nov. 23		
BYRD	iP	20 59 48
SP	iP	21 00 24
Nov. 23		
SP	iP	22 20 06
Nov. 23		
SP	eP'	22 38 53
THULE	eP	22 27 35
Nov. 23		
BYRD	eP'	23 56 47
SP	eP'	23 56 58
Nov. 24		
BYRD	iP	06 54 50
SP	iP	06 55 32
	iPP	56 32
	iPcP	58 18
	iS	07 01 04
THULE	iP'	07 08 14
Nov. 24		
SP	iP	07 23 59
Nov. 24		
BYRD	eP	08 53 31
SP	eP	08 54 13
Nov. 24		
THULE	iP	09 23 39
Nov. 24		
SP	iP	10 27 55
Nov. 24		
SP	eP	11 05 51
Nov. 24		
THULE	iP	12 09 07
Nov. 24		
BYRD	iP	13 56 36
SP	iP	13 56 21
Nov. 24		
SP	eP	17 06 32
Nov. 24		
GUAM	eP	17 46 42
KOR	eP	17 44 14
	eL	46 02
SP	eP	17 56 03
TRUK	i(P)	17 47 48
Nov. 24		
SP	iP	21 55 15
	ipP	55 26

Date and Station		Phase (GCT)
		h m s
Nov. 24		
BYRD	iP	22 19 53
SP	iP	22 20 25
	i	21 19
Nov. 24		
THULE	iP	22 37 02
Nov. 25		
SP	eP'	02 43 10
Nov. 25		
BYRD	iP	03 40 44
SP	iP	03 41 14
Nov. 25		
BYRD	iP	08 12 11
SP	iP	08 12 34
Nov. 25		
BYRD	iP	08 26 05
SP	iP	08 24 35
Nov. 25		
SP	iP	08 36 56
Nov. 25		
KOR	iP	09 18 52
SP	eP'	09 31 54
Nov. 25		
BYRD	eP	10 07 06
SP	iP	10 07 48
Nov. 25		
BYRD	eP	13 25 13
SP	iP	13 25 49
Nov. 25		
BYRD	iP	13 27 22
GUAM	iP	13 22 17
SP	iP	13 26 49
Nov. 25		
SP	iP	14 27 22
Nov. 25		
SP	iP	15 15 07
Nov. 25		
BYRD	eP'	16 21 42
SP	eP'	16 21 15
Nov. 25		
BYRD	eP	20 53 09
SP	eP	20 52 35
	e	53 48

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Date and Station		Phase (GCT) h m s
Nov. 26		
BYRD	eP	00 29 51
SP	i(P)	00 29 18
	i	31 19
Nov. 26		
BYRD	iP	01 05 01
SP	iP	01 05 40
Nov. 26		
BYRD	iP	03 26 36
SP	iP	03 26 56
Nov. 26		
SP	iP	06 02 20
Nov. 26		
BYRD	eP'	09 32 57
SP	eP'	09 32 48
	i	32 58
	eSKP	36 22
THULE	iP	09 23 21
Nov. 26		
SP	eP	11 07 12
Nov. 26		
SP	iP	11 43 09
Nov. 26		
BYRD	eP	12 26 11
SP	iP	12 26 52
Nov. 26		
BYRD	iP	12 59 14
SP	iP	12 59 43
Nov. 26		
SP	iP	18 49 39
Nov. 26		
SP	iP	21 33 20
Nov. 26		
THULE	iP	22 10 35
Nov. 27		
SP	eP	02 58 43
Nov. 27		
SP	iP	03 51 58
Nov. 27		
BYRD	eP	06 47 57
SP	eP	06 47 13
Nov. 27		
BYRD	e(P)	07 45 24
SP	eP	07 45 43

Date and Station		Phase (GCT) h m s
Nov. 27		
SP	e(P)	07 58 33
Nov. 27		
BYRD	iP	13 47 07
SP	iP	13 47 26
	ePP	48 07
	eL	53 00
Nov. 27		
SP	iP	14 06 22
Nov. 27		
SP	iP	14 14 32
Nov. 27		
BYRD	eP	14 23 31
SP	eP	14 24 04
Nov. 27		
BYRD	iP	15 09 12
	i(pP)	09 31
SP	iP	15 09 52
	i(pP)	10 12
	i	10 50
Nov. 27		
TRUK	eP	17 05 26
	eS	07 05
Nov. 27		
GUAM	iP	18 03 40
	i	03 59
	i	04 28
Nov. 27		
GUAM	iP	19 48 38
	i(S)	49 23
TRUK	iP	19 49 44
	eS	51 56
Nov. 27		
SP	eP	21 11 26
Nov. 27		
SP	iP	22 47 30
Nov. 28		
BYRD	iP	07 36 07
SP	iP	07 36 52
Nov. 28		
SP	iP	12 14 51
Nov. 28		
THULE	iP	12 45 10
	i	45 35
Nov. 28		
BYRD	eP	15 08 22
SP	eP	15 08 40
Nov. 28		
BYRD	eP	15 22 46

Date and Station		Phase (GCT) h m s
SP	iP	15 23 04
Nov. 28		
SP	iP	22 17 52
Nov. 28		
GUAM	iP	23 03 07
	i(S)	03 20
TRUK	e(P)	23 04 51
Nov. 29		
SP	iP	01 42 53
Nov. 29		
BYRD	iP	04 56 28
SP	iP	04 57 02
Nov. 29		
BYRD	eP	06 41 48
SP	eP	06 40 45
Nov. 29		
BYRD	iP	10 49 48
SP	iP	10 50 21
Nov. 29		
SP	iP	14 11 49
Nov. 29		
THULE	iP	16 56 41
Nov. 29		
SP	iP	20 18 49
Nov. 29		
BYRD	eP	21 24 13
SP	iP	21 24 13
TRUK	eP	21 14 32
Nov. 30		
BYRD	iP'	01 51 41
	ipP'	51 56
	ePP	53 19
GUAM	iP	01 37 05
KOR	iP	01 38 17
SP	iP'	01 51 38
	ipP'	51 53
	ePP	53 09
THULE	iP	01 43 53
TRUK	iP	01 38 21
Nov. 30		
BYRD	eP	02 01 34
Nov. 30		
BYRD	iP'	02 14 29

Date and Station		Phase (GCT) h m s
KOR	iP	02 01 10
SP	iP'	02 14 26
THULE	iP	02 06 41
TRUK	iP	02 01 09
Nov. 30		
BYRD	eP	05 46 50
SP	iP	05 45 52
Nov. 30		
THULE	eP	06 13 57
	iP	14 09
Nov. 30		
BYRD	eP	08 10 14
SP	eP	08 11 10
Nov. 30		
SP	iP'	09 57 10
Nov. 30		
BYRD	eP	12 09 07
SP	eP	12 09 04
Nov. 30		
SP	eP	12 31 55
Nov. 30		
BYRD	iP	17 37 32
SP	iP	17 38 00
Nov. 30		
GUAM	iP	18 12 57
	iS	13 12
TRUK	eP	18 14 48
	eS	15 27
Nov. 30		
BYRD	eP	19 30 14
Nov. 30		
BYRD	eP	20 02 05
SP	iP	20 02 40