USCGS
.40

SEISMOLOGICAL BULLETIN

IGY SUPPLEMENT

July, 1958

MSI - 211A

COAST & GEODETIC SURVEY
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JUN 21 1960
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CONTENTS

List of stations 1
Seismogram interpretations 2

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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March 4, 2011

1958

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) h m s
July 1		
TRUK	eP	05 56 09
	eS	56 28
	eL	57 30
July 1		
BYRD	eP'	06 12 24
	eSKP	15 55
SP	eP'	06 12 30
	e(SKP)	16 10
	e	23 27
THULE	eP	06 01 22
	ePP	03 16
	e(S)	07 56
TRUK	iP	06 02 09
	i	02 28
July 1		
TRUK	e(P)	06 08 54
	eS	10 21
July 1		
BYRD	eP	07 38 46
SP	iP	07 38 47
TRUK	eP	07 29 44
July 1		
BYRD	iP	14 50 02
SP	iP	14 50 43
July 1		
BYRD	eP	15 45 03
SP	iP	15 45 45
July 1		
TRUK	e(P)	18 43 55
July 1		
BYRD	eP	20 13 29
SP	eP	20 13 37
July 2		
BYRD	eP'	01 03 53
	eSKP	07 30
SP	iP'	01 04 00
July 2		
BYRD	eP	04 20 14
SP	i(P)	04 20 43
July 2		
BYRD	iP	04 58 20
	ipP	59 42
GUAM	iP	04 56 22
SP	iP	04 58 50
	epP	05 00 15
	ePP	01 27

Date and Station		Phase (GCT) h m s
TRUK	iP	04 55 10
July 2		
BYRD	iP	11 27 29
SP	iP	11 27 43
July 2		
GUAM	iP	13 37 01
	iS	37 07
July 2		
BYRD	iP	16 52 16
SP	iP	16 52 50
July 2		
TRUK	iP	17 33 13
	iT	47 12
July 2		
SP	eP'	22 32 40
July 2		
SP	iP	22 55 00
July 3		
BYRD	eP	05 57 33
	iP	57 39
KOR	eP	05 56 51
SP	eP	05 56 34
	eS	06 06 13
July 3		
BYRD	eP	06 36 49
	iP	36 53
	ipP	38 12
	eScP	41 02
	eS	44 09
	iS	44 17
	i(ScS)	46 03
	e	51 39
	eP'P'	07 05 21
	e	06 24
GUAM	iP	06 36 38
	iPcP	37 37
	iPP	38 46
	iS	43 48
	iScS	45 49
	isS	46 18
	eSS	48 05
KOR	iP	06 36 57
	iPcP	37 47
	epP	38 20
SP	iP	06 37 21
	ePcP	38 03
	epP	38 48
	iScP	41 25
	eS	45 05
	iS	45 13
	iScS	46 35
	eP'P'	07 06 04
THULE	eP'	06 46 06

Date and Station		Phase (GCT) h m s
THULE	ipP'	06 47 50
	eSKP	49 42
	eSKS	52 29
	ePKKP	55 17
	eSP	56 51
	eSKKP	59 47
TRUK	iP	06 35 32
	e	36 15
	ipP	37 01
July 3		
BYRD	eP	07 52 17
GUAM	eP	07 43 51
KOR	iP	07 41 39
SP	eP	07 52 00
TRUK	iP	07 44 34
July 3		
BYRD	e(P)	07 55 48
SP	eP	07 55 04
July 3		
BYRD	eP	10 06 29
July 3		
BYRD	eP	10 27 24
July 3		
BYRD	e(P)	10 28 25
	iP	28 27
	iS	33 05
	eL	34 03
SP	eP	10 29 55
	ePP	31 06
	eS	35 22
	eL	38 07
July 3		
BYRD	eP'	13 06 28
	iSKP	09 30
KOR	iP	12 55 18
TRUK	eP	12 55 05
July 3		
BYRD	iP	15 11 23
	ipP	11 54
SP	iP	15 12 00
July 3		
BYRD	e(P)	23 44 02
	e(S)	45 17
	e(L)	45 50
July 4		
BYRD	eP	00 30 11
GUAM	eP	00 28 44
SP	iP	00 30 48

Date and Station		Phase (GCT) h m s
TRUK	eP	00 26 07
July 4		
SP	iP	00 34 15
July 4		
THULE	eP	01 04 23
July 4		
SP	eP	01 09 07
July 4		
BYRD	eP	02 35 14
SP	iP	02 34 16
July 4		
BYRD	iP	03 02 40
SP	iP	03 03 18
July 4		
SP	iP	04 37 33
July 4		
SP	eP	07 57 34
July 4		
SP	iP	12 13 01
July 4		
SP	iP	13 11 24
	ePP	12 06
	ePcP	14 48
July 4		
BYRD	e(P)	18 49 55
GUAM	iP	18 38 51
	iPP	39 08
	iS	42 38
KOR	eP	18 36 29
	iS	38 16
	iL	38 36
	eT	44 26
SP	iP	18 47 33
TRUK	iP	18 39 49
	ePP	40 22
	iL	46 00
July 4		
BYRD	e(P)	19 03 27
SP	iP	19 03 28
July 4		
SP	eP	21 21 02
July 5		
KOR	iP	01 25 47
SP	iP	01 30 44
July 5		
SP	eP'	02 25 11

Date and Station		Phase	(GCT) h m s
July 5			
SP		eP	04 03 20
July 5			
BYRD		eP	06 27 17
July 5			
BYRD		eP	06 52 48
SP		iP	06 52 25
July 5			
BYRD		iP	14 02 16
GUAM		iP	14 01 02
		i(ScP)	05 18
KOR		eP	14 01 26
SP		iP	14 02 46
		ePcP	03 12
		epP	04 37
TRUK		iP	13 59 52
July 5			
TRUK		iP	18 32 36
		eS	34 27
		eL	34 34
		eT	42 35
		eT	46 06
		eT	50 24
July 5			
SP		iP	22 41 48
July 5			
GUAM		eP	23 25 47
		iS	28 07
TRUK		eP	23 27 25
July 6			
BYRD		eP	03 44 30
SP		iP	03 44 20
July 6			
BYRD		eP'	05 00 20
SP		iP'	05 00 35
		e(PP)	04 11
July 6			
KOR		iP	05 54 29
		e	55 07
		i	55 52
July 6			
SP		eP'	06 46 05
July 6			
BYRD		iP	06 52 38
SP		iP	06 52 28
July 6			
BYRD		eP	06 59 42
SP		eP	07 00 57

Date and Station		Phase	(GCT) h m s
July 6			
SP		e(P)	08 00 16
		e	01 05
July 6			
KOR		iP	09 58 33
July 6			
KOR		iP	11 29 55
		iS	29 58
July 6			
BYRD		eP	13 26 10
SP		iP	13 25 52
July 6			
BYRD		eP'	16 22 54
		iP'	23 00
SP		eP'	16 23 03
July 6			
SP		eP	18 49 44
July 6			
BYRD		iP	19 46 27
SP		eP	19 47 06
July 6			
GUAM		eP	19 54 54
July 6			
BYRD		iP	20 11 22
SP		eP	20 11 12
July 6			
SP		eP	20 28 05
July 6			
BYRD		iP'	23 43 02
SP		iP'	23 43 19
July 7			
BYRD		iP'	05 35 21
SP		eP'	05 35 24
		iP'	35 33
July 7			
SP		eP	13 43 56
July 7			
BYRD		eP'	13 57 18
SP		eP'	13 57 19
		iP'	57 29
July 7			
GUAM		eP	14 28 58
KOR		iP	14 27 34
July 7			
BYRD		eP	15 23 00
SP		eP	15 23 56

Date and Station		Phase	(GCT) h m s
July 7			
SP		e(P)	16 26 48
		iP	26 55
July 7			
BYRD		iP	16 50 36
KOR		iP	16 42 24
SP		iP	16 50 33
July 7			
BYRD		eP	17 27 24
SP		eP	17 28 20
July 7			
SP		eP	22 51 05
July 8			
BYRD		e(P)	01 21 34
SP		eP	01 20 19
July 8			
SP		eP	03 14 29
July 8			
BYRD		eP'	05 21 57
		iP'	22 09
SP		eP'	05 21 54
July 8			
BYRD		eP	06 16 59
GUAM		eP	06 15 50
KOR		iP	06 16 23
SP		eP	06 17 35
		iP	17 37
July 8			
SP		iP	08 49 02
		e	51 09
July 8			
BYRD		eP	12 37 57
		iP	38 10
SP		iP	12 38 14
		i	38 28
July 8			
BYRD		iP	17 28 27
SP		eP'	17 28 21
July 8			
BYRD		eP	19 34 26
		eL	41 25
SP		eP	19 34 14
		iPP	34 50
		eL	44 04

Date and Station		Phase	(GCT) h m s
July 8			
SP		iP	22 57 19
July 8			
BYRD		iP	22 58 31
		eS	06 31
		eL	14 56
SP		iP	22 57 12
		ePP	59 09
		eS	23 04 00
July 9			
BYRD		eP	01 18 01
SP		eP	01 16 41
		eS	23 19
July 9			
BYRD		eP	06 18 43
SP		eP	06 18 59
July 9			
BYRD		eP	06 28 28
		e(S)	34 40
SP		eP	06 29 19
July 9			
SP		iP	10 58 00
July 9			
BYRD		iP	14 04 20
		ipP	06 18
		eS	12 22
		e	13 40
KOR		iP	14 03 01
SP		iP	14 04 42
		ipP	06 39
		eS	13 05
TRUK		iP	14 01 19
July 9			
BYRD		iP	14 29 45
KOR		eP	14 22 00
SP		iP	14 29 34
		ePKKP	47 53
TRUK		eP	14 20 23
July 9			
SP		iP	14 55 23
July 9			
SP		eP	15 46 51
July 9			
SP		eP	20 34 12
July 9			
SP		iP	21 20 38
July 10			
SP		eP	01 20 43

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

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

Date and Station		Phase (GCT) h m s
TRUK	eT	23 14 34
July 18		
BYRD	eP'	00 58 39
	i	59 13
	e(PP)	01 01 49
	i	02 08
	i(SKP)	02 34
	eSKSP	10 56
	i	11 35
GUAM	eP	00 48 05
SP	eP'	00 58 44
	i	58 59
	eSKP	01 02 24
July 18		
BYRD	iP	01 59 22
	epP	59 43
SP	iP	02 00 00
	epP	00 20
July 18		
SP	eP	02 41 23
July 18		
KOR	iP	07 32 44
	i	32 57
SP	iP	07 42 46
July 18		
SP	eP	10 47 15
July 18		
SP	iP	14 35 12
July 18		
SP	iP	17 23 46
July 18		
BYRD	iP	18 31 21
SP	iP	18 30 48
July 18		
GUAM	iP	21 43 12
	ipP	43 38
	iPP	45 20
KOR	iP	21 42 49
	iS	46 32
SP	eP'	21 56 44
	e	57 18
	ePP	57 46
	iPKKP	22 07 21
TRUK	iP	21 44 37
July 18		
SP	iP	22 42 04

Date and Station		Phase (GCT) h m s
July 19		
BYRD	e(P)	01 00 10
	eP	00 14
SP	eP	01 00 43
July 19		
BYRD	eP	01 30 24
SP	eP	01 30 50
July 19		
SP	iP	02 03 17
July 19		
BYRD	eP	02 52 52
SP	eP	02 52 36
July 19		
BYRD	iP	06 42 56
	ipP	43 36
	i(sP)	44 03
	iS	53 12
	ipS	53 28
	iPS	54 32
	ePKKP	07 00 43
GUAM	iP	06 34 33
	eS	38 01
	ePcP	38 58
KOR	iP	06 33 15
	ipP	33 44
	isP	34 15
	iS	35 36
	esS	36 02
	i	37 35
	iPcP	38 10
	eT	42 18
SP	iP	06 42 46
	ipP	43 25
	i(sP)	43 34
	iPP	46 06
	eSKS	52 55
	eSP	53 52
	ePKKP	07 01 35
TRUK	iP	06 34 21
	iS	37 44
	eT	50 42
July 19		
BYRD	eP	09 13 10
	e	14 04
SP	iP	09 13 29
	i	14 24
July 19		
TRUK	eP	11 36 10
	i(S)	38 09

Date and Station		Phase (GCT) h m s
July 19		
BYRD	eP'	15 16 40
KOR	eP	15 04 15
SP	eP'	15 16 36
	epP	18 50
	eSKP	21 11
July 19		
BYRD	eP'	17 42 37
	iSKP	46 09
SP	eP'	17 42 45
	eSKP	46 25
July 19		
GUAM	iP	17 43 40
KOR	iP'	17 41 57
	eS	45 15
SP	iP	17 51 22
TRUK	iP	17 44 28
July 19		
BYRD	iP	18 30 06D
	ePP	33 55
	eSKS	40 42
	eS	41 15
	ePKKP	47 19
	eL	54 31
GUAM	eP	18 21 29D
	e	23 00
KOR	eP	18 19 04
	i	19 20
	eS	20 40
	eL	20 50
SP	iP	18 29 49C
	ePP	33 23
	eSKS	40 08
	eS	40 31
	ePKKP	47 07
	eL	57 11
TRUK	iP	18 22 01D
	iPP	22 25
	i	22 52
	iS	26 16
July 19		
BYRD	iP	18 59 51
KOR	iP	18 58 14
SP	iP	19 00 26
	iPcP	00 45
July 19		
BYRD	eP	19 25 28

Date and Station		Phase (GCT) h m s
SP	iP	19 25 58
July 19		
KOR	iP	19 38 39
	iS	40 04
July 19		
KOR	iP	19 41 03
July 19		
BYRD	eP	20 07 44
GUAM	eP	19 59 11
KOR	eP	19 56 44
	eS	58 04
SP	eP	20 07 27
TRUK	eP	19 59 35
July 19		
BYRD	eP	21 16 34
SP	eP	21 16 14
July 19		
BYRD	iP	21 18 57
SP	iP	21 19 27
July 19		
BYRD	iP	22 27 19
KOR	eP	22 16 18
	i(S)	18 37
	iL	18 53
SP	eP	22 27 01
	ePP	30 26
TRUK	iP	22 19 19
July 19		
BYRD	eP	22 34 14
SP	iP	22 33 57
July 20		
BYRD	e(P)	01 16 21
	e(S)	18 15
	eL	19 11
SP	eP	01 16 41
	eS	18 30
	eL	19 42
July 20		
BYRD	eP'	04 00 48
SP	eP'	04 01 00
July 20		
GUAM	eP	09 01 37
SP	eP	09 09 38

Date and Station		Phase (GCT)
		h m s
TRUK	eP	09 00 01
July 20		
BYRD	eP	11 06 28
SP	iP	11 05 14
July 20		
BYRD	iP	11 52 57
	i	53 12
KOR	eP'	12 03 25
SP	iP	11 53 41
	i	53 57
	i	54 19
July 20		
GUAM	iP	15 55 33
	eS	56 29
July 20		
KOR	iP	19 31 31
SP	iP	19 39 58
July 21		
SP	eP	03 15 26
July 21		
BYRD	iP	04 18 34
	e	19 41
SP	iP	04 18 50
	e	19 41
TRUK	iP	04 11 31
July 21		
SP	eP	05 54 57
July 21		
BYRD	eP'	07 44 04
	iP'	44 16
	ePP	46 42
	i	47 04
KOR	eP	07 32 23
	i	32 59
	iS	37 52
SP	eP'	07 44 04
	iP'	44 16
	ePP	46 46
	i(SKP)	47 41
THULE	eP	07 34 47
TRUK	iP	07 32 23
	iPP	33 37
	iPcP	34 36
	eT	08 10 36
July 21		
SP	eP	09 16 53
TRUK	iP	09 09 06

Date and Station		Phase (GCT)
		h m s
July 21		
THULE	eP	09 47 49
July 21		
THULE	eP	12 00 38
July 21		
BYRD	eP'	14 56 26
	iP'	56 38
	ePP	59 23
	iSKP	15 00 06
GUAM	iP	14 45 58
KOR	iP	14 47 15
	e(S)	55 18
SP	eP'	14 56 40
	iP'	56 51
	iSKP	15 00 22
	e	08 43
THULE	iP	14 45 36
	iPP	47 17
	iScP	51 05
TRUK	iP	14 46 16
July 21		
BYRD	eP	18 19 38
SP	eP	18 20 22
July 21		
BYRD	iP	18 44 31
KOR	iP	18 40 27
SP	iP	18 44 46
TRUK	iP	18 38 37
July 21		
SP	eP	22 55 33
	i	57 50
July 21		
SP	iP	23 24 53
July 22		
SP	e(P')	03 06 47
July 22		
SP	eP'	04 15 20
July 22		
BYRD	eP'	05 28 02
SP	iP'	05 27 58
	eSKP	31 45
July 22		
SP	iP	06 45 53
July 22		
BYRD	eP	07 32 37

Date and Station		Phase (GCT)
		h m s
SP	eP	07 31 23
	i	31 12
July 22		
SP	iP	08 32 49
July 22		
SP	eP	08 38 47
July 22		
BYRD	eP	08 41 28
SP	eP	08 42 27
July 22		
SP	eP	09 22 48
July 22		
BYRD	iP	10 08 04
	i	08 26
SP	iP	10 08 44
July 22		
SP	eP'	10 57 46
July 22		
SP	iP	13 54 10
July 22		
BYRD	eP	15 03 42
SP	iP	15 04 04
	epP	06 02
	eP'P'	32 08
TRUK	iP	15 00 54
July 22		
BYRD	eP	16 57 35
SP	iP	16 56 23
July 22		
SP	eP'	17 26 41
July 22		
TRUK	iP	20 32 36
	iS	34 34
	eT	42 54
July 22		
GUAM	iP	20 35 18
	i	36 42
July 22		
BYRD	eP	21 48 08
SP	iP	21 47 49
July 22		
SP	iP	22 11 31
July 22		
BYRD	eP	22 18 59
SP	iP	22 17 47

Date and Station		Phase (GCT)
		h m s
July 22		
SP	eP'	23 05 10
	i	05 16
July 23		
SP	iP	03 55 50
	e	56 30
July 23		
SP	eP	09 38 14
	e(pP)	38 48
July 23		
BYRD	eP'	10 46 16
GUAM	eP	10 31 31C
	iP	31 32
	iS	34 42
	iL	35 25
KOR	eP	10 32 41
	iP	32 43
	iS	36 31
	i	37 04
SP	eP'	10 46 12
	ePP	47 42
	e	48 23
THULE	eP	10 38 41
TRUK	eP	10 32 51
	i	33 17
	i	34 02
July 23		
GUAM	iP	11 19 21
	iS	19 23
	iS	19 41
TRUK	eP	11 21 01
	eS	22 37
July 23		
BYRD	iP	11 56 35
GUAM	iP	11 48 28
SP	iP	11 56 23
TRUK	iP	11 47 31
July 23		
BYRD	eP'	12 42 42
GUAM	iP	12 27 58
July 23		
GUAM	iP	13 28 21
	i(S)	28 33
SP	eP	13 39 35
TRUK	iP	13 30 11
	eS	31 51
	eT	36 59

Date and Station		Phase (GCT) h m s
July 23		
BYRD	iP	14 25 30
SP	iP	14 26 08
	e	26 36
July 23		
BYRD	iP	17 09 33
	i	09 58
SP	iP	17 10 13
	i	10 39
July 23		
BYRD	eP	19 27 50
SP	iP	19 26 39
July 24		
SP	iP	02 24 38
July 24		
BYRD	iP	03 04 47
SP	iP	03 05 05
July 24		
SP	iP	04 43 38
July 24		
GUAM	iP	06 33 54
	iS	34 19
TRUK	eP	06 35 43
	eS	37 31
July 24		
SP	iP	07 14 26
July 24		
BYRD	eP'	13 27 25
SP	eP'	13 27 31
	i	27 49
TRUK	iP	13 17 36
	i	17 53
July 24		
SP	eP	15 37 55
July 24		
SP	eP	22 04 52
July 25		
SP	iP	00 17 16
	e	17 31
July 25		
BYRD	eP	00 33 52
SP	eP	00 33 57
July 25		
SP	eP	00 54 44
July 25		
BYRD	iP	00 56 48
SP	eP	00 55 51
July 25		
BYRD	eP	01 15 19
SP	eP	01 14 31
July 25		
BYRD	eP	01 17 02
SP	eP	01 16 13
July 25		
BYRD	eP	01 19 01
SP	eP	01 18 11
July 25		
BYRD	eP	01 25 38
SP	eP	01 24 51
July 25		
SP	eP'	01 56 57
July 25		
BYRD	eP	01 59 54
SP	iP	01 59 06
July 25		
SP	eP'	02 03 30
July 25		
GUAM	iP	04 02 24
	iS	02 37
July 25		
TRUK	iP	05 56 56
July 25		
BYRD	eP	06 05 03
SP	eP	06 04 45
July 25		
SP	eP	09 26 15
July 25		
SP	eP'	12 39 14
July 25		
SP	eP	14 25 59
July 25		
GUAM	iP	14 57 24
	iS	15 00 39
TRUK	iP	14 59 13
	iS	15 00 53
July 25		
TRUK	iP	15 40 41
	iS	42 44
July 25		
KOR	iP	16 48 42
	i	48 50
TRUK	iP	16 48 07
	iS	50 23
July 25		
SP	eP	17 43 30
July 25		
KOR	eP	17 51 59
	i	52 57
	iS	53 13
	iL	53 27
SP	iP	18 03 32
TRUK	iP	17 55 28
July 26		
SP	e(P)	02 12 18
	i	12 37
TRUK	iP	02 04 44
	i	06 28
July 26		
SP	eP	04 04 56
July 26		
SP	eP	04 42 24
	i	43 14
BYRD	eP	06 24 04
	eS	32 21
	eL	38 48
SP	eP	06 22 48
	eS	28 49
	eL	34 23
July 26		
SP	iP	08 03 01
July 26		
BYRD	iP	08 40 24
	eL	45 32
SP	iP	08 41 23
July 26		
SP	eP	08 59 48
July 26		
BYRD	iP	11 55 56
KOR	eP	11 47 48
SP	iP	11 55 50
	i(pP)	56 05
TRUK	iP	11 46 43
July 26		
TRUK	iP	12 44 08
	iS	44 23
July 26		
TRUK	eP	13 28 42
	eS	30 56
July 26		
SP	eP'	16 12 03
July 26		
BYRD	iP	17 35 38
SP	iP	17 36 15
	e	36 34
July 26		
BYRD	iP	17 47 31D
	iS	56 02
	isS	59 29
	isSP	18 00 14
GUAM	iP'	17 55 46D
	iP	56 13
	ipP'	58 12
	i	18 05 20
KOR	iP'	17 56 01
	i	56 10
	i	56 32
	iP'	56 49
	epP'	58 37
	i	18 06 15
SP	iP	17 48 05C
	e	56 16
	eS	56 55
	eSKS	59 48
	i	18 03 16
	ePKKP	07 04
	eP'P'	14 52
	e	32 28
	eP'P'P'	34 56
	eSKPP'P'	37 06
TRUK	iP'	17 55 28D
	epP'	58 11
July 26		
GUAM	iP'	18 23 18
SP	iP	18 15 10
	epP	17 29
July 26		
SP	eP	18 45 11
July 26		
SP	eP	18 47 11
July 26		
SP	iP	18 51 47
July 26		
BYRD	iP	19 08 44
SP	iP	19 09 18
July 26		
GUAM	eP	20 34 09
	eT	51 00

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

Date and Station		Phase (GCT)	Date and Station		Phase (GCT)	Date and Station		Phase (GCT)	Date and Station		Phase (GCT)
		h m s			h m s			h m s			h m s
July 30			July 31								
BYRD	iP'	07 51 27	SP	iP'	07 58 07						
	i	51 50									
			July 31								
GUAM	iP	07 36 31	BYRD	iP	09 29 03						
	i	36 48									
	iS	39 43	SP	iP	09 29 31						
KOR	eP	07 37 58	July 31								
			BYRD	iP	12 10 04						
SP	eP'	07 51 17		ipP	10 33						
	i	51 40		isP	10 48						
TRUK	iP	07 37 52	GUAM	iP'	12 20 18						
	i	38 11									
	i(S)	42 47	SP	iP	12 10 44						
				ipP	11 13						
July 30				isP	11 27						
TRUK	eP	10 40 51		ePcP	12 41						
				eP'P'	40 11						
July 30											
TRUK	iP	12 48 13	July 31								
	eS	49 28	SP	eP'	16 08 16						
				iP'	08 25						
July 30											
SP	eP	14 54 37									
July 30											
BYRD	eP	15 18 36									
SP	eP	15 18 00									
	ePcP	18 44									
	eS	24 19									
	eL	29 44									
July 30											
BYRD	eP	15 30 23									
SP	eP	15 30 41									
July 30											
SP	eP	16 08 44									
July 30											
SP	eP	17 29 03									
July 30											
SP	iP	18 36 50									
July 30											
SP	eP	20 17 17									
July 31											
BYRD	eP'	02 23 02									
	eSKP	26 48									
SP	eP'	02 23 10									
	eSKP	27 07									
July 31											
BYRD	eP'	02 45 42									
SP	eP'	02 45 48									
	eSKP	49 44									
July 31											
SP	eP	03 46 24									