

*only January copied*

*AM SODANKYLÄ A*

UNIVERSITY OF HELSINKI  
SEISMOLOGICAL ~~XXXXXXXX~~ Laboratory

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Laboratory  
~~SEISMOLOGICAL~~  
SUURENPOHJEN 20

1956

Helsinki 60°10'32" N, 24°57'25" E h = 20 m

Jan 02	iP	01-41-48	Jan 12	iP	12-28-56
Jan 04	iP	12-25-10	Jan 13	iP	03-37-10 ✓
Jan 04	iP	20-27-21	Jan 13	iP	03-37-40 ✓
Jan 04	iP	20-32-13		i	52
Jan 05	iP	20-30-39	Jan 13	eP	20-05-36
Jan 06	iP	12-20-12 ✓	Jan 14	iP	14-19-41 ✓
	iS	23-59 ✓		iPcP	20-12 ✓
	iLg1	26-19 ✓	Jan 14	iP	14-35-30 ✓
Jan 06	iP	14-57-22	Jan 14	eP	18-44-15 ✓
	iS	15-00-46	Jan 15	iP	21-15-11
Jan 06	iP	18-02-28	Jan 16	iP	23-51-16 ✓
Jan 06	iP	22-36-06 ✓		i	54-26 ✓
	i	18		iPP	55-16 ✓
	iPcP	28 ✓		iPPP	57-21 ✓
Jan 07	iP	10-26-53		eSKS	24-02-07 ✓ 24 26
Jan 08	iPP	21-13-13 ✓		ePS	04-02
	iSKS	19-13 ✓		eSS	09-22
	eS	20-42 ✓		eL	27- ✓
	ePS	22-41	Jan 21	iP	17-45-40
Jan 09	iPKP	12-24-06 ✓	Jan 23	iP	00-57-00
	i	25-42 ✓	Jan 23	iP	03-57-25 ✓
	ipPKP	26-40 ✓		ipP	45 ✓
	iSKP	50	Jan 23	iP	07-48-03 ✓
	iPKS	27-51 ✓	Jan 24	iPKP	08-25-42
	iSKKP	35-33	Jan 26	iPKP	23-49-36
Jan 10	ePKS	09-16-11 ✓ 22 37	Jan 27	iP	01-18-36 ✓
	eSKS	19-12 ✓ 26 34		i	56 ✓
	eL	55- ✓		iPcP	22-56 ✓
Jan 11	iP	07-22-27	Jan 27	iP	10-14-22
Jan 12	iP	05-49-17 ✓	Jan 27	iPKP	13-58-18 ✓
	iS	51-39 ✓			
	i	55 ✓			
	iLg	52-53 ✓			

*1956*

Jan 27	iP	14-19-40	Feb 09	iP	14-45-05 ✓
Jan 28	iP	05-03-50 ✓		iPP	48-19 ✓
Jan 29	iP	03-48-19 ✓		ePPP	50-09 ✓
Jan 29	iP	22-32-36 ✓		iS	55-27 ✓
	i	47 ✓		ePS	56-15 ✓
Jan 30	iP	05-56-07 ✓	Feb 09	eSS	15-00-33 ✓
Jan 30	iPKP	09-02-52 ✓		eSSS	04-13 ✓
Jan 30	iPKP	10-21-48 ✓	Feb 09	eLQ	07- ✓
Jan 31	iP	02-29-25 ✓	Feb 09	iP	15-36-51 ✓
Jan 31	iP	05-36-49 ✓	Feb 09	eP	16-42-23 ✓
Jan 31	iPKP	09-35-03 ✓	Feb 09	iP	22-06-47 ✓
	i(SKIP)	37-36 ✓	Feb 10	eP	18-52-33 ✓
Feb 01	iPKP	01-52-05 ✓	Feb 11	iP	05-50-26 ✓
	iSKP	55-35 ✓		iPcP	39 ✓
	iPKS	41 ✓	Feb 12	iP	12-01-11 ✓
Feb 01	iP	13-53-57 ✓		i	21 ✓
	i	17 ✓	Feb 12	ePP	04-07 ✓
	ipP	55-24 ✓		eS	11-14 ✓
	iPP	57-27 ✓	Feb 12	iP	12-10-11 ✓
	iS	14-03-59 ✓		i	21 ✓
	iPKKP	11-41 ✓	Feb 12	iP	12-13-07 ✓
Feb 01	iP	15-15-24 ✓		i	17 ✓
	iS	19-08 ✓	Feb 12	iP	12-20-37 ✓
	iScS	26-12 ✓		i	46 ✓
Feb 01	iP	18-40-37 ✓	Feb 12	iP	12-29-22 ✓
Feb 02	iP	03-32-30 ✓	Feb 12	iP	14-35-31 ✓
Feb 03	iP	13-22-16 ✓		i	41 ✓
Feb 03	iP	21-48-37 ✓	Feb 12	iP	17-38-15 ✓
	iPcP	49-12 ✓	Feb 12	iP	19-52-07 ✓
Feb 04	iP	22-23-41 ✓		i	17 ✓
Feb 05	iP	20-49-12 ✓	Feb 12	iP	20-03-15 ✓
			Feb 13	iP	01-54-09 ✓
			Feb 13	i(P)	01-55-31 ✓
			Feb 13	iP	01-58-53 ✓

Feb 13	iP i	02-00-16 24	Feb 16	iP i i(Lg)	15-54-09 15 58-09
Feb 13	iP	02-24-00	Feb 18	iP	05-23-17
Feb 13	iP i	03-56-33 43	Feb 18	iP iPcP ipP ipPcP isP i iPP iPPP iS iScS isS iSS iP'P' iP'PKS	07-45-14 ✓ 34 ✓ 47-06 ✓ 26 ✓ 51 ✓ 48-12 ✓ 24 ✓ 49-48 ✓ 54-06 ✓ 31 ✓ 57-20 ✓ 59-09 ✓ 08-12-24 ✓ 16-08 ✓
Feb 13	iP	14-32-41 ✓	Feb 19	iP iS eL	02-28-59 ✓ 37-52 ✓ 48- ✓
Feb 13	iP iPcP	14-39-08 44	Feb 20	eP	08-09-12
Feb 13	iP	15-44-39 ✓	Feb 20	iP iS iLg	20-36-17 ✓ 40-08 ✓ 42-37 ✓
Feb 13	iP	22-51-40 ✓	Feb 21	ePKP iSKP	20-51-11 ✓ 53-50 ✓
Feb 14	iP i ipP ePP iS	01-04-05 ✓ 16 ✓ 20 ✓ 06-44 ✓ 13-12 ✓	Feb 21	eP e(T)	23-02-50 ✓ 10-47 ✓
Feb 14	iP i	07-50-08 19	Feb 22	eP e(T)	00-11-05 ✓ 18-05 ✓
Feb 14	iP	08-32-58	Feb 22	iP	10-11-00 ✓
Feb 14	iP i	12-45-40 ✓ 52 ✓	Feb 23	iP	17-38-52 ✓
Feb 14	iP i	12-46-58 ✓ 47-08 ✓	Feb 24	iPKP	09-38-42 ✓
Feb 14	iP	18-46-06 ✓	Feb 27	iP	08-48-44 ✓
Feb 14	iP i	19-07-07 19	Feb 27	iP	22-34-12
Feb 14	iP	21-19-24	Feb 28	eP i	22-28-29 ✓ 47 ✓
Feb 15	iP i ePP	01-33-08 ✓ 11 ✓ 36-20 ✓	Feb 29	iP	07-09-46
Feb 15	iP	07-18-56	Feb 29	iP iPP	21-01-21 ✓ 03-33 ✓
Feb 15	iSn i	15-28-14 52			
Feb 15	iP	15-56-38 ✓			
Feb 16	iP iPcP ipP ipPcP i	00-30-16 23 46 49 55			

✓	Feb 29	iP	21-36-01	✓	✓	Mar 06	iP	21-00-28
✓	Feb 29	iP	23-56-41	✗	✓	Mar 07	iP	03-50-43
✓	Mar 01	iP	12-55-14	✓	✓	Mar 07	iP	12-52-28
✓	Mar 01	iP	14-12-21	✓	✓	Mar 07	iP	14-11-45
✓	Mar 01	iP	14-37-09	✓	✓	Mar 08	iP	11-16-23
✓	Mar 01	eP	16-01-11	✓	✓	Mar 09	iP	15-40-20
✓	Mar 01	eP	16-11-23	✓	✓	Mar 09	eP	15-49-26
✓	Mar 02	iP	12-05-59	✓	✓	Mar 09	iP	16-52-09
		i	06-15	✓	✓	Mar 09	iP	23-45-47
		iPcP	59	✓	✓	Mar 10	iP	16-39-41
✓	Mar 02	iP	14-59-51	✓	✓	Mar 10	eP	18-39-20
✓	Mar 03	iPKP	00-24-44	✓	✓	Mar 10	ePKP	19-52-40
		i	25-00	✓	✓	Mar 10	iP	21-50-25
		iSKP	28-11	✓	✓	Mar 10	ePP	54-19
		iPKS	25	✓	✓	Mar 10	eS	22-01-31
✓	Mar 03	iP	10-23-47	✓	✓	Mar 11	eP	08-13-21
		ipP	24-00	✓	✓	Mar 12	iP	11-35-31
		isP	11	✓	✓	Mar 13	iP	01-52-23
✓	Mar 04	iP	03-24-22	✓	✓	Mar 13	iP	09-37-35
✓	Mar 04	iP	15-44-33	✓	✓	Mar 13	i	45
✓	Mar 04	iP	16-27-15	✓	✓	Mar 13	iP	13-26-29
✓	Mar 05	iP	03-52-49	✓	✓	Mar 13	iPP	30-07
✗	Mar 05	eL	07-33	✗	✓	Mar 13	eSKS	36-51
✓	Mar 05	iP	23-40-20	✓	✓	Mar 13	eS	37-15
		iPcP	57	✓	✓	Mar 13	iP	19-32-38
		i	41-20	✓	✓	Mar 13	eP	20-26-11
		eL	24-04-	✓	✓	Mar 14	iP	11-11-53
✓	Mar 05	iP	23-50-10	✓	✓	Mar 14	iPKP	15-58-37
		i	14	✓	✓	Mar 14	iPKP	16-03-17
✓	Mar 06	iP	09-02-43	✓	✓	Mar 14	eP	16-08-23
		i	03-04	✓	✓	Mar 14	iPKP	16-33-47
		iPP	04-20	✓	✓			
		eS	08-36	✓	✓			
✓	Mar 06	iP	09-16-58	✓	✓	Mar 14	eP	16-08-23
✓	Mar 06	iP	09-21-50	✓	✓	Mar 14	iPKP	16-33-47

✓ Mar 14	iP i	16-49-28 34	✓ Mar 21	iP i iPP iPPP iS i iSS iLi	05-00-04 18 33 43 04-20 39 05-12 06-49	✓ ✓ ✓ ✓ ✓ ✓
✓ Mar 14	iP	23-17-59	✓ Mar 22	iP ipP ePP eS	06-47-33 58 51-22 58-39	✓ ✓ ✓ ✓
✓ Mar 15	iPKP	18-19-09	✓ Mar 23	ePKP	05-29-28	
✓ Mar 16	iPKP i	09-00-46 53	✓ Mar 23	eP	05-59-23	
✓ Mar 16	iP	18-32-15	✓ Mar 23	iP i	19-09-11 37	
✓ Mar 16	iP i ePcS	19-38-25 39 45-27	✓ Mar 23	iPKP	22-32-57	
✓ Mar 16	iP i eS	19-49-15 29 54-15	✓ Mar 25	iP	23-37-57	✓
✓ Mar 17	ePKP	02-29-28	✓ Mar 26	iP i	03-31-10 29	
✓ Mar 17	iP ipP	11-53-14 38	✓ Mar 26	iP	03-35-01	
✓ Mar 17	iP	15-52-04	✓ Mar 26	iP	04-09-50	✓
✓ Mar 18	iP	04-00-52	✓ Mar 26	i(P) i	04-12-11 21	
✓ Mar 18	iP	08-29-35	✓ Mar 26	iP	04-32-05	
✓ Mar 19	iP	09-51-49	✓ Mar 26	iP	05-06-52	
✓ Mar 19	ePKKP	18-05-27	✓ Mar 26	ePP	05-40-21	✓
✓ Mar 20	iP	02-34-15	✓ Mar 26	iP	17-12-37	
✓ Mar 20	iP	04-25-27	✓ Mar 26	iP	22-55-41	
✓ Mar 20	iP i	10-35-29 39	✓ Mar 27	iPKP	02-58-39	
✓ Mar 20	iP i(PP)	16-24-33 25-09	✓ Mar 28	iP	11-43-54	
✓ Mar 20	iP i	17-23-47 24-21	✓ Mar 28	iP	22-16-12	✓
✓ Mar 20	ePKP	17-30-39	✓ Mar 31	iP	11-11-59	
✓ Mar 20	iPKP	20-37-08	✓ Mar 31	iP	12-03-11	
✓ Mar 20	iP	22-16-13	✓ Mar 31	eP	14-10-12	
✓ Mar 21	iP	01-56-29				

✓ Apr 01	iP i	06-49-10 25	✓ Apr 12	eP i eS i	22-40-38 43 45-26 50	✓ ✓ ✓ ✓
✓ Apr 01	iP	12-27-00	✓ Apr 18	iP	02-05-58	✓
✓ Apr 01	iP	19-26-01	✓ Apr 18	eP	11-11-11	✓
✓ Apr 02	iP i iPP eS	11-02-01 11 05-10 12-02	✓ Apr 18	eP eS iLg	12-55-50 58-15 59-45	✓ ✓ ✓ ✓
✓ Apr 02	iP i ipP isP iPcP	11-13-28 39 13-50 58 14	✓ Apr 20	eP ePP	15-29-44 34-02	✓ ✓
✓ Apr 02	iPKP	17-03-35	✓ Apr 20	iP i	16-49-06 14	✓ ✓
✓ Apr 04	iP	14-10-53	✓ Apr 21	eP	01-36-47	✓
✓ Apr 05	iP iPcP	04-12-16 58	✓ Apr 22	iPKP	04-07-27	✓
✓ Apr 06	iP ipP isP i(PP) i(PcP) iS iScP i isS	07-18-30 19-15 42 54 21-04 24-04 11 25-02 25	✓ Apr 22	iP eS eL	17-32-43 41-27 18-02-	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
✓ Apr 06	iPKP	16-46-34	✓ Apr 23	iP iPP eS eL	03-42-30 44-47 51-19 04-06-	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
✓ Apr 07	iPKP i	18-20-01 22-19	✓ Apr 24	iP i	23-35-03 16	✓ ✓
✓ Apr 07	iPKP i i	18-24-33 39 51	✓ Apr 25	eP	08-05-48	✓
✓ Apr 09	iP	17-08-35	✓ Apr 26	iP	11-49-45	✓
✓ Apr 10	iP ipP isP ePPP eSKS iS ePKKP	13-28-34 29-06 24 33-30 38-42 58 46-32	✓ Apr 26	iP	15-02-11	✓
✓ Apr 11	iP iPP	01-52-10 53-34	✓ Apr 28	iPKP i	15-14-11 32	✓ ✓
			✓ Apr 29	iP	20-16-09	✓
			✓ Apr 29	iP	22-03-45	✓
			✓ Apr 30	iP	12-19-11	✓
			✓ May 01	iP i	02-54-57 55-15	✓ ✓
			✓ May 02	iP	06-45-25	✓
			✓ May 05	eP	19-40-32	✓

✓	May 05	iP	20-46-36	✓	Jun 23	eP	02-28-07
						eS	36-12
						L	48-
✓	May 05	iP	22-33-04	✓	Jun 28	eP	23-10-03
						eS	19-11
						eL	36-
✓	May 08	iP	03-19-32	✓	Jun 30	iLg	01-59-06
✓	May 08	iP	10-50-04				
		i	13				
✓	May 08	iP	19-57-18	✓	Jul 09	iP	03-16-52
✓	May 08	iP	20-57-18			iS	21-15
						iLi	23-34
✓	May 09	iP	00-23-38	✓	Jul 16	iLg1	24-18
✓	May 09	iP	18-55-45			eP	15-17-23
		i	56			iPP	19-42
		i	56-01			eS	25-42
✓	May 09	iP	22-23-40			esS	26-18
						eScS	52
						i	27-52
✓	May 10	iP	05-57-55	✓	Jul 18	eP	06-33-10
✓	May 10	iP	16-47-24			iSKS	43-39
						iS	44-31
✓	May 10	iP	18-16-42			i	47-02
✓	May 13	iP	07-58-30	✓	Jul 30	eP	09-20-16
		ePP	08-00-20			eS	24-31
✓	May 13	eP	09-02-27	✓	Aug 24	eP	04-38-10
		i	33			eS	46-38
✓	May 15	iP	18-39-20	✓	Sep 06	eP	11-52-15
		iPP	41			eS	56-23
		iS	43-23				
✓	May 15	iP	23-01-57	✓	Sep 11	eS	21-23-04
		i	02-07				
		iPP	27	✓	Sep 24	eL	10-42-
		i	38				
		iS	06-05				
✓	May 23	ePKP	21-06-53	✓	Oct 11	iP	02-35-11
		ePP	09-17			epP	32
		iSKP	43			iPP	37-30
		iPKS	10-21			ePPP	39-03
		ipPKS	12-09			ePcS	26
		isPKS	47			iS	43-37
		iSKS	13-26			isS	44-19
		ipSKS	32			iScS	45-00
✓	Jun 09	iP	23-21-03	✓	Oct 24	ePP	14-58-42
		i	22-12			e	15-07-24
		iPP	33	✓	Oct 31	eP	14-11-16
		iS	26-53			eS	17-06

X

✓ Nov 14 eP 00-58-35  
✓ ePP 01-00-06  
eS 04-14

✓ Nov 29 eS 09-37-22  
ePS 53  
eSS 42-11

✓ Dec 18 i(PKKP) 03-00-06  
e(PKKS) 06-22

✓ Dec 21 eP 09-09-46  
ePP 12-18  
ePPP 14-02  
iS 18-53  
eScS 19-50

✓ Dec 25 eP 09-39-58  
✓ ePP 41-03  
e(S) 45-24

✓ Dec 27 ePP 00-36-39  
ePKS 54  
i 37-23  
eSS 54-18

June 15, 1961



UNIVERSITY OF HELSINKI  
SEISMOLOGICAL ~~XXXXXXXX~~  
Laboratory

*boxed*

ADDRESS: **Laboratory**  
SEISMOLOGICAL ~~XXXXXXXX~~  
SILTAVUORENPENGER 20  
HELSINKI  
FINLAND

1956

Sodankylä 67°22'16" N, 26°37'45" E h = 181 m

✓	Jun 28	iP	23-09-16	✓	Jul 09	iP	10-07-53
✓		i	21	✓	ipP	08-13	
					i	26	
✓	Jun 29	iP	02-26-35	✓	Jul 09	iP	20-20-13
✓		iPP	28-19	✓			
		iPPP	29-16				
✓	Jun 29	iP	02-33-07	✓	Jul 09	iP	23-01-26
✓		i	17	✓	Jul 12	iP	15-11-32
		iPcP	30	✓	ipP	55	
✓	Jun 29	iP	04-20-28	✓	iS	19-52	
✓	Jun 29	iP	17-55-35	✓	Jul 14	iP	19-06-54
		i	52		iS	11-52	
✓	Jun 30	iP	01-55-38	✓	i	12-37	
✓		i	43	✓	Jul 14	iP	22-17-19
		iS	02-00-03		i	22	
		i	23		iPcP	37	
		iLi	02-46	✓	Jul 15	iP	13-03-00
✓	Jul 03	iP	23-33-30	✓	Jul 15	iP	18-49-37
✓		ipP	34-17	✓	Jul 16	eP	05-25-53
		i(sP)	41	✓	Jul 16	iP	09-33-58
		ePP	35-09	✓	Jul 16	iP	15-17-23
		i	36-05		i	29	
		iS	39-18	✓	ipP	47	
✓	Jul 04	iPKP	00-58-12	✓	iPcP	18-11	
✓		ePP	01-00-24		ipPcP	34	
		iSKP	53		iPP	19-41	
✓	Jul 05	iP	13-09-58		iPPP	21-21	
✓	Jul 06	iP	02-33-08		iPcS	22-10	
✓	Jul 07	iP	10-37-22	✓	iS	25-49	
✓	Jul 09	iP	03-17-58	✓	Jul 16	iP	20-50-37
				✓	Jul 16	iP	21-44-11
					iP'P'	22-13-34	

✓ Jul 17	iP	04-49-06	✓ Aug 05	iP	09-19-31
✓ Jul 17	iP	07-47-07	✓ Aug 12	iP	00-04-09
	ipP	48-48	✓ Aug 12	iPKP	00-44-30
	isP	49-41	✓ Aug 12	iSKP	47-34
	i	50-19	✓ Aug 12	iP	16-57-21
	iPP	51-19	✓ Aug 12	iP	17-10-26
	ipPP	52-50	✓ Aug 12	iPcP	55
	iSKS	56-58	✓ Aug 12	iPP	12-54
	iPKKP	08-03-24	✓ Aug 12	iS	19-27
✓ Jul 17	eP	17-18-11	✓ Aug 14	iPKP	03-09-00
✓ Jul 18	iP	06-33-02	✓ Aug 14	iP	05-47-24
	i(pP)	35	✓ Aug 14	iP	12-55-54
	i	36-17	✓ Aug 14	i	56-07
	iPP	37-08	✓ Aug 14	iSKP	23-55-17
	e(pPP)	50	✓ Aug 15	iP	05-32-39
	iSKS	43-33	✓ Aug 15	i	43
	iS	44-30	✓ Aug 15	ipP	33-50
	iSP	46-01	✓ Aug 15	iPP	36-02
	iPKKP	49-26	✓ Aug 15	iS	42-42
✓ Jul 19	iP	20-52-55	✓ Aug 15	iP	11-04-19
	iPcP	53-07	✓ Aug 15	ipP	44
	i	14	✓ Aug 15	isP	57
✓ Jul 19	iP	23-39-23	✓ Aug 15	iPP	08-01
✓ Jul 20	iP	11-57-45	✓ Aug 15	iSKS	14-40
✓ Jul 20	eP	17-46-02	✓ Aug 15	iS	15-11
✓ Jul 21	iP	00-20-22	✓ Aug 15	iPKKP	21-32
✓ Jul 21	iP	14-59-43	✓ Aug 15	iP	12-08-20
✓ Jul 21	iP	15-41-37	✓ Aug 15	iS	12-51
	i	44	✓ Aug 15	iLg2	16-23
	iPcP	42-51	✓ Aug 15	iP	13-22-21
	i	43-14	✓ Aug 15	iPcP	23-07
	iPP	37	✓ Aug 15	iScS	32-08
	iPcS	46-47	✓ Aug 15	eP	14-44-33
✓ Jul 22	iP	03-35-14	✓ Aug 15	iP	21-38-59
	iPP	36-09	✓ Aug 16	iP	00-44-58
✓ Jul 30	iP	09-21-21	✓ Aug 16	iP	02-16-49
	i	26	✓ Aug 16	i	52
✓ Aug 01	iP	20-40-15	✓ Aug 17	eP	01-29-30
✓ Aug 02	iP	17-58-01	✓ Aug 17	iP	02-05-55
✓ Aug 04	iP	13-37-51			

✓ Aug 18	eP	04-43-24	✓ Aug 27	iP	18-09-46
✓ Aug 20	iP	01-05-42	✓ Aug 28	eP	01-35-23
✓ Aug 20	eP	05-46-47	✓ Aug 29	iP	03-14-00
	i	47-14	✓ Aug 30	iP	04-34-23
✓ Aug 21	i(SKP)	02-53-44		ePcP	35-06
✓ Aug 21	eP	11-35-51	✓	iPP	36-36
✓ Aug 22	iPKP	11-45-02		iPPP	37-27
✓ Aug 22	iP	17-26-08	✓ Aug 30	iP	05-36-06
✓ Aug 22	iSg	14-46-47		iPcP	28
✓ Aug 22	iP	18-59-04	✓ Aug 31	iP	22-16-12
✓ Aug 22	iP	19-46-13	✓ Aug 31	iP	23-19-27
✓ Aug 22	iP	19-49-55	✓ Aug 31	e	10-49-33
	i	58		e	43
✓	iPcP	51-02		eSg	50-03
✓ Aug 23	iP	13-14-08	✓ Sep 01	iP	00-34-24
✓ Aug 23	iP	22-15-58	✓ Sep 01	iP	18-06-37
✓ Aug 23	iP	23-30-26	✓ Sep 03	iP	18-47-18
	i	29	✓ Sep 06	iP	11-53-01 ✓
✓ Aug 24	iP	04-01-03	✓ Sep 08	iP	18-10-47 ✓
✓ Aug 24	iP	04-37-25		iPP	53 ✓
✓	iPcP	38-17	✓ Sep 09	iP	17-48-10
	iS	45-21	✓ Sep 09	iP	18-17-25
✓ Aug 24	iP	04-59-49	✓ Sep 10	iP	12-44-01
	iPcP	05-00-42	✓ Sep 11	iP	04-19-15
✓ Aug 24	eP	05-09-14		eT	24-22
✓ Aug 24	ePKP	08-46-53	✓ Sep 11	iP	21-13-46 ✓
✓ Aug 24	iP	08-51-00		i	14-14 ✓
✓ Aug 24	iP	19-25-03		iPcP	35 ✓
✓ Aug 25	iP	00-36-03	✓ Sep 12	eP	10-32-55
✓ Aug 25	iP	19-43-37	✓ Sep 12	iP	13-37-39
✓ Aug 26	eSn	08-12-48	✓ Sep 12	iP	20-09-39
	e	13-26		i	10-11
✓ Aug 27	iP	15-43-07	✓ Sep 13	iPKP	14-49-57
	i	47-59	✓ Sep 13	eP	14-53-24

✓ Sep 13	iP	17-33-36	✓ Sep 28	iP	15-04-25
✓ Sep 13	iP	19-29-38		i	31
✓ Sep 13	iP	19-59-42		iS	06-27
✓ Sep 16	iP	08-45-12 ✓		i	59
	i	18	✓ Sep 29	iP	04-08-11
	iPP	46-46 ✓	✓ Sep 29	iP	09-15-20 ✓
	iPcP	57	✓ Sep 29	iP	15-34-48
	iPcS	50-55	✓ Sep 29	iP	21-31-23 ✓
	iS	51-37 ✓	✓ Sep 29	iP	22-35-53
	iSS	54-39	✓ Sep 29	iPn	23-02-44
	iScS	55-05		iSn	03-43
✓ Sep 16	i	08-55-54	✓ Sep 29	iP	23-31-33 ✓
✓ Sep 16	ePKP	13-45-23		iPcP	32-08 ✓
✓ Sep 16	iP	14-31-12		iPP	33-56
	ePP	32-45	✓ Oct 01	iP	18-16-43
✓ Sep 16	iP	18-13-59 ✓	✓ Oct 02	iP	15-05-52
✓ Sep 17	iP	20-30-46 ✓		i	06-14
	i	31-01 ✓	✓	iPcP	55
✓ Sep 18	iP	09-56-45		iPP	08-00
✓ Sep 19	iP	23-57-44 ✓		iPcS	10-56
	ipP	58-12 ✓	✓ Oct 03	iPKP	15-12-25
	i	24-02-19 ✓	✓ Oct 05	iPKP	22-01-59
✓ Sep 21	iPKP	19-29-32 ✓	✓ Oct 06	iP	06-29-07
✓ Sep 21	iP	23-05-53	✓ Oct 06	iP	07-31-27
	iPcP	06-38		i	31
✓ Sep 22	ePKP	07-11-26		i	39
	iSKP	13-59	✓ Oct 08	iP	04-42-00
✓ Sep 22	iP	16-01-39 ✓	✓ Oct 08	iP	05-08-07
	iPP	02-59 ✓	✓ Oct 09	iP	17-03-47
✓ Sep 22	iP	18-28-28 ✓	✓ Oct 10	iP	15-40-30
	ipP	41 ✓		iPcP	41-56
✓ Sep 23	iP	03-12-18	✓	iPP	42-24
✓ Sep 24	iP	10-28-28 ✓			
	iPP	30-03 ✓			
	i(PcP)	23			
✓ Sep 26	iP	13-56-40			

✓ Oct 11 iP 02-34-27  
 i 46  
 ipP 58  
 ✓ isP 35-25  
 iPP 36-31  
 iS 42-19  
 isS 43-29  
 iScS 44-05  
 iP'P' 03-03-48

✓ Oct 11 iP 02-55-02

✓ Oct 11 iP 17-00-02  
 iP'P' 29-32

✓ Oct 11 iPKP 21-15-04

✓ Oct 12 iP 12-33-00  
 i 12

✓ Oct 12 iP 13-32-07

✓ Oct 13 iP 05-17-14

✓ Oct 13 iP 08-28-39  
 i 54  
 i 29-18  
 i 25  
 iPP 58

✓ Oct 14 iP 10-55-15

✓ Oct 14 iPKP 11-20-36  
 iSKP 23-32

✓ Oct 14 iP 12-08-48

W ✓ Oct 14 iP 21-16-08  
 ipP 21  
 iPcP 35

✓ Oct 15 iP 07-58-09

✓ Oct 15 iP 11-33-22

✓ Oct 15 IP 23-14-41

✓ Oct 15 iPKP 23-35-34

✓ Oct 16 eP 03-13-40

✓ Oct 17 iP 01-11-56

✓ Oct 17 iP 01-22-04

✓ Oct 19 iPKP 12-18-42  
 iSKP 21-11

✓ Oct 19 iP 20-57-32  
 iPcP 58-24  
 ✓ iPP 59-45

✓ Oct 20 iP 03-41-38

✓ Oct 23 iP 08-53-20  
 i 23  
 ✓ ipP 40

✓ Oct 24 iP 01-15-57

✓ Oct 24 iP 14-55-02  
 i 11  
 ✓ iPP 58-33  
 eS 15-06-07  
 iPS 07-08

✓ Oct 26 iP 09-08-20  
 ipP 09-09

✓ Oct 26 iPKP 23-09-18

✓ Oct 28 iPKP 03-48-10

✓ Oct 28 iP 10-57-17

✓ Oct 29 iP 16-25-06

✓ Oct 29 ePKP 22-52-40  
 iSKP 55-41

✓ Oct 31 iP 14-11-52  
 i 12-17  
 iPP 13-27  
 iPPP 54  
 ✓ iS 18-14  
 iSS 21-39

✓ Oct 31 iP 14-30-31  
 iPP 32-09

✓ Nov 02 iP 16-10-29  
 ✓ iPP 11-05

✓ Nov 03 iP 05-35-08

✓ Nov 03 iP 10-13-42

✓ Nov 03 iSKP 18-23-11

✓	Nov 04	iP i	05-48-01 18	✓	Nov 13	iP i	03-32-54 33-11
✓	Nov 04	iPKP iSKP	07-24-57 28-21	✓	Nov 13	iP	14-50-57
✓	Nov 04	iP	21-50-02	✓	Nov 14	iP ipP isP	00-58-53 59-31 49
✓	Nov 06	iP	14-26-46	✓		iPP iPPP iPcP iS iPcS	01-00-26 42 49 04-51 05-31
✓	Nov 07	iP	16-42-29				
✓	Nov 09	iP ipP iPP iSKS iS	13-18-35 19-14 21-49 28-45 54	✓	Nov 16	iP i	09-01-44 59
✓	Nov 10	iP	08-27-11	✓	Nov 16	iP i	11-55-46 49
✓	Nov 10	iP i	14-51-50 52-14	✓	Nov 16	iP i	12-06-36 38
✓	Nov 10	iP i iPcP	15-50-50 57 51-37	✓	Nov 16	iP	14-12-16
✓	Nov 11	iSKP	03-34-08	✓	Nov 17	iP i iPP	20-37-07 13 39-18
✓	Nov 11	eP	13-03-55	✓	Nov 18	iP	05-26-58
✓	Nov 11	iP iPcP	19-25-30 26-17	✓	Nov 18	iP i	16-07-09 14
✓	Nov 12	iP	08-46-45	✓	Nov 18	eP	21-33-57
✓	Nov 12	iP	09-59-53	✓	Nov 20	iP	12-11-52
✓	Nov 12	iP	11-26-14	✓	Nov 20	eP	23-26-48
✓	Nov 12	iP eT i	17-34-09 39-11 40-22	✓	Nov 21	iP i ipP isP iPcP iPP	07-44-02 13 22 29 32 46-16
✓	Nov 12	iP i iS eT i	20-59-45 50 21-01-47 04-44 05-49	✓	Nov 22	iPKP	08-35-20
	Nov 13	iP iPP iS eT i	03-00-48 58 02-47 05-48 06-53	✓	Nov 26	iP ipP	03-11-22 52
				✓	Nov 26	iPKP i	23-48-50 49-05
				✓	Nov 27	ePKP	01-10-56

✓	✓	Nov 28	iPKP	15-31-06	✓	Dec 11	eP	06-41-04
✓	✓	Nov 28	iP	19-37-01	✓	Dec 11	iP	08-52-47
			ipP	19	✓	Dec 12	iP	21-04-19
			isP	28	✓	Dec 13	iP	15-05-16
			iPP	39-06	✓	Dec 13	iP	19-47-23
✓	✓	Nov 29	iPKP	04-32-44	✓	Dec 13	iP	19-47-23
			i	58	✓	Dec 13	i	37
			iSKP	35-54			iPP	51-03
✓	✓	Nov 29	iP	09-26-58	✓	Dec 15	iP	14-03-52
			iS	36-31	✓	Dec 15	iPKP	17-43-01
✓	✓	Nov 30	iPKP	19-49-10	✓	Dec 16	iP	01-54-54
			ipPKP	42	✓	Dec 16	i	23
✓	✓	Dec 02	iP	03-10-05	✓	Dec 18	iP	02-25-58
			i	23	✓	Dec 18	iPKP	02-49-49
✓	✓	Dec 03	iP	07-22-50	✓	Dec 18	iP	18-00-07
✓	✓	Dec 03	iP	07-30-15	✓	Dec 18	i	32
			iPcP	59	✓	Dec 18	iPP	01-27
✓	✓	Dec 03	iP	07-55-03	✓	Dec 18	iP	21-23-31
			iPP	57-17	✓	Dec 18	ipP	57
✓	✓	Dec 03	iP	08-02-50	✓	Dec 19	iP	01-27-50
✓	✓	Dec 03	iP	21-06-48	✓	Dec 19	iP	04-46-58
✓	✓	Dec 04	iP	08-54-14	✓	Dec 19	iPcP	47-24
✓	✓	Dec 04	iPKP	10-27-38	✓	Dec 20	iP	19-57-54
✓	✓	Dec 04	iP	10-52-16	✓	Dec 20	iP	21-26-32
✓	✓	Dec 04	iP	21-10-57	✓	Dec 21	iP	00-07-03
✓	✓	Dec 04	iP	23-14-08	✓	Dec 21	iP	03-37-35
			i	52	✓	Dec 21	iP	18-22-05
✓	✓	Dec 07	iP	11-33-33	✓	Dec 21	i	29
✓	✓	Dec 07	iP	14-43-16	✓	Dec 21	iP	20-21-00
			ipP	46	✓	Dec 21	i	07
✓	✓	Dec 07	iP	18-30-41	✓	Dec 21	iPcP	28
✓	✓	Dec 08	iP	16-20-35	✓	Dec 21	iP	09-09-05
✓	✓	Dec 08	iP	16-26-40	✓	Dec 21	iPcP	43
					✓	Dec 21	iS	17-26
✓	✓	Dec 09	iP	05-29-14	✓	Dec 22	iP	11-37-18
✓	✓	Dec 09	iP	05-29-14	✓	Dec 22	iP	23-23-31

- 8 -

✓ Dec 23 iP 08-49-29  
ipP 54

✓ Dec 24 iPn 18-31-51  
iSn 32-11  
iSg 13  
H: 18-31-22  
65.7°N, 27.4°E

✓ Dec 24 iP 18-51-14  
i 47

✓ Dec 25 iP 09-40-11  
i 17  
iPP 41-22

✓ Dec 27 iPKP 00-33-05  
ipPKP 34-28  
iPP 35-38  
iSKP 36-14  
iPKS 38

✓ Dec 27 iP 10-14-35

✓ Dec 28 iPKP 14-44-09  
ipPKP 47

✓ Dec 28 iP 19-34-14

✓ Dec 29 iP 09-47-01

✓ Dec 30 iP 22-09-16

✓ Dec 31 iP 04-43-58  
iS 45-02

June 15, 1961