

IAGA Bulletin No. 12 o2

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

ASSOCIATION OF GEOMAGNETISM AND AERONOMY

**GEOMAGNETIC DATA 1960
RAPID VARIATIONS**

by

J. BARTELS † A. ROMAÑA and J. VELDKAMP

Published with financial assistance from
UNESCO

IUGG PUBLICATION OFFICE, 39 TER, RUE GAY-LUSSAC, PARIS (V)
PRINTED BY KRIPS' REPRINT COMPANY, RIJSWIJK, HOLLAND

1964

How to cite:

Bartels, J., Romana, A., Veldkamp, J., & IAGA (1964). *IAGA Bulletin No. 12o2, Geomagnetic Data 1960: Rapid Variations*. IUGG Publications Office. <https://doi.org/10.25577/6pbr-dc10>

IAGA Bulletin No. 12 02

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

ASSOCIATION OF GEOMAGNETISM AND AERONOMY

GEOMAGNETIC DATA 1960

RAPID VARIATIONS

by

J. BARTELS †, A. ROMAÑA and J. VELDKAMP

**Published with financial assistance from
UNESCO**

**IUGG PUBLICATION OFFICE, 39 TER, RUE GAY-LUSSAC, PARIS (V)
PRINTED BY KRIPS' REPRINT COMPANY, RIJSWIJK, HOLLAND**

1964

IAGA Bulletin No. 12 o 2

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

ASSOCIATION OF GEOMAGNETISM AND AERONOMY

GEOMAGNETIC DATA 1960

RAPID VARIATIONS

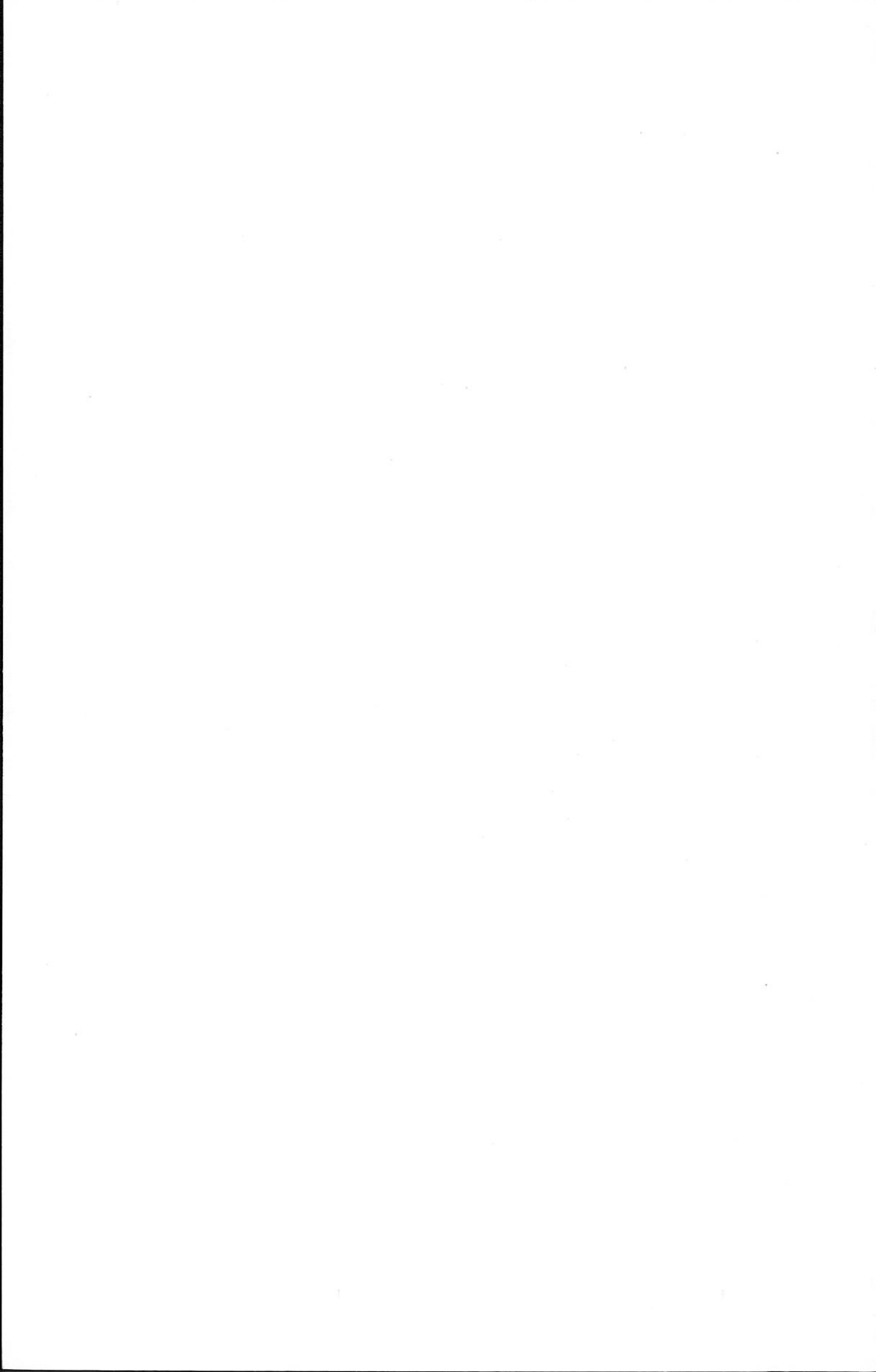
by

J. BARTELS † A. ROMAÑA and J. VELDKAMP

**Published with financial assistance from
UNESCO**

**IUGG PUBLICATION OFFICE, 39 TER, RUE GAY-LUSSAC, PARIS (V)
PRINTED BY KRIPS' REPRINT COMPANY, RIJSWIJK, HOLLAND**

1964



CONTENTS

Introduction with description of the tables	iv
List of observatories	1
Table 1 , Storm Sudden Commencements, ssc, 1960	10
Table 2a, Bays and Pulsational Disturbances, b, bs, bp, bps, pt, pg, 1960.	15
Table 2b, Pulsational Disturbances, 1960 (pt and pg) not associated with bays	39
Table 3 , Sudden Impulses, si, 1960.	43
Table 4 , Minor Disturbances, 1960	48
Table 5a, Solar-flare effects, 1960	58
Table 5b, Doubtful Solar-flare effects, 1960	60
Table 5c, Rejected Solar-flare effects, 1960	64

GEOMAGNETIC DATA 1960

RAPID VARIATIONS

Introduction

List of observatories. The list of observatories has been taken from bulletin No 12 o 1 (Geomagnetic Data 1960, Indices K and C) with some little changes.

The first three pages of the list of observatories give the name of the observatory and its two-letter symbol, the name of the collaborator and the geographic and geomagnetic coordinates, The fourth to the sixth pages give the scale values of the instruments, used for scaling K or (and) C, the lower limit for $K=9$, and the range of disturbances on a day with character-figures $C=1$. The seventh to ninth pages give information on the instruments used for recording magnetograms and on the method used by some observatories for checking the solar-flare effects found in the magnetograms. The column "Ionospheric Stations or Radio Services" indicates the ionospheric or solar observatories or the radio services whose reports on Dellinger effects eruptions on the sun, and black-outs in the radio communication enable the magnetic observatory to distinguish between a solar-flare effect and a bay-disturbance caused by particle radiation from the sun.

Table 1 is a list of sudden commencements followed by a magnetic storm or by an increase in activity lasting at least one hour (ssc). The time in the column at the left are mean values. Observatories which checked the sudden commencements and agreed with the term ssc are classified in six groups under the letters A, B, C, D, E, X, as follows: A) when the phenomenon in their magnetograms is very distinct ssc; - B) when it is a fair, ordinary, but unmistakable ssc; - C) when it is a doubtful ssc; - D) when in the magnetograms the ssc was decidedly not recorded, although the records were satisfactory; - E) when the phenomenon cannot be discerned because of heavy disturbance; - X) when the recording is missing. In some cases one or more observatories preferred another qualification (si, b, bp, etc); these observatories are also indicated. Observatories having employed the symbol psc (which after the Copenhagen and Toronto resolutions should not be used in the future) or having filled in the checking-list one of the letter A, B, C, without another symbol (b, bs, bp, bps, pt,) are indicated with the letter Y. The checking observatories were: Co Sr Le Nu Lo Si Kn Mo Me St Wn Wi Ir Sw Ni Vl Gt Ha Kv Ma Db Vi Fū Hb Ty Od Mb Lg Aq Tf Tk Md IK Eb Ci Tl Fr Pe Ak SM SF Ka Ks Tu Ky Ho SJ MB Mu Gu AA Pa Mc Hn Lu PM Hu Ap Tn Br LQ Pi Gn Hr To Am Tw Kg MI Wk DU Mw Ht SB.

Table 2a is a list of commencements of bays or pulsational disturbances associated with bays. All these disturbances were checked by the same observatories as in Table 1. The observatories are distributed in groups after the particular classification (b, bs, bp, etc) which they have attributed to the phenomenon in accordance with the definitions given by the Copenhagen Meeting and under this classification they are also distributed in the same groups as in Table 1. The meaning of symbols b, bs, etc. is the following:

- b ... clear and isolated bay appearing during a calm period without pulsations or sharp beginning
- bs... bay with sharp beginning without pulsations
- bp... bay with pulsations without sharp beginning
- bps... bay with pulsations and sharp beginning
- pt... train of pulsations consisting of several series of oscillations, each series lasting generally 10 to 20 minutes, the whole phenomenon lasting for periods of more than about one hour
- pg... giant pulsations, viz., exceptional pulsations of very great period and regularity with a sufficient relative amplitude

When symbols bp and bps are used, pulsations are meant to precede or follow the beginning of the bay with a time lag of not more than about ten minutes. If the interval is greater, both phenomena are reported separately.

This list cannot be considered as complete, as it may be that a bay has been selected by the observatories out of a great many similar disturbances all occurring on the same day. Therefore it seems better not to use this table for statistical purposes without caution. This holds also for Tables 2b and 3.

Table 2b gives a summary of pulsational disturbances (pt and pg) not associated with bays.

Table 3 gives a summary of sudden magnetic changes or impulses (si) which could not be classified as ssc, b, bp, etc.

Table 4 is a list of minor disturbances (ssc, si, b, bs, bp, etc) which have been reported by less than ten observatories located between $322^{\circ}5$ and $52^{\circ}5$ or by less than four observatories located in other regions. These disturbances have not been checked by other observatories, although most of them have already been published in the three-monthly reports from the K+C Centre, De Bilt. Cases received too late for publication in the three-monthly reports or for inclusion in the checking-lists and new cases reported by observatories in their answer to the checking-lists, which naturally have not been checked by the other observatories, are likewise included in this Table. The type of disturbance predominantly assigned to each phenomenon and the number of observatories reporting them are given together with the time.

Table 5a gives a summary of solar-flare effects reported by the observatories. The times tabulated in the column at the left are mean values of the times given for the beginning of the phenomenon. A check for the solar-flare effects was made by 73 observatories, the same as for the other phenomena, except Kn Mo SF Hu; on the contrary Es Cm CF have checked the sfe's. In some particular cases and in order to get a better knowledge of the real effect observed, some observatories (Qu Ta Te Bn Lr Bi El Hu Va) have been taken into account when they gave in the monthly reports a clear sfe or another useful indication regarding the phenomenon, although their checking-lists have not been received; their symbols appear in square-brackets in the Table. Stations on the daylight hemisphere have been written behind the indicated times distributed in the same groups as in Tables 1 to 3. Underlined are observatories near the subsolar point. Stations lying in the twilight-zone of the dark hemisphere, which reported a clear disturbance, are indicated by dotted brackets. Stations under the same circumstances in the full dark have been given in parentheses. Stations on the night-side of the Earth, which gave a negative or doubtful answer, have been omitted. In

cases when one or more stations reported a simultaneous disturbance from an ionospheric or subsolar observatory or from a radio service which gave support to the geomagnetic solar-flare effect, the indicated time has been underlined.

Table 5b summarizes all doubtful solar-flare effects. As doubtful have been considered in general those cases where stations of good location regarding the subsolar point did not report such an effect or where some stations in full dark mentioned a disturbance which in account of the hour or of their geographic position could not be probably a bay coexisting in the night-side of the Earth with a bay in the light-side. Nevertheless, it is very probable that several cases of the reported in this Table are real solar-flare effects.

Table 5c summarizes times of presumed solar-flare effects, which have proved to be most probably no real solar-flare effects, as several stations in full dark reported a sudden commencement, a sudden impulse or a bay disturbance at the indicated time, whereas stations in full daylight found only a doubtful effect or a disturbance which did not agree with an increase of the normal daily variation.

Committee on Characterization of Magnetic Disturbances

J. Bartels† Chairman
Geophysikalisches Institut
Göttingen, Germany

J. Veldkamp
Kon. Nederl. Meteorol. Instituut
De Bilt, Holland

Committee on Rapid Magnetic Variations and Earth Currents

A. Romanó, S. J., Chairman
Observatorio del Ebro
Tortosa, Spain

LIST OF OBSERVATORIES 1960

Arranged according to geographic latitude

	Observatory	Collaborator	Geographic		Geomagnetic	
			Lat.	Long.	Lat.	Long.
NP7	North Pole 7	USSR	+86 ⁰ -	250 ⁰ -	- 0	- 0
NP6	North Pole 6	USSR	+83 -	130 -	-	-
NP8	North Pole 8	USSR	- -	-	-	-
BT	Bay Tikhaya	Bykov	+80 20	52 48	+71.5	153.3
CC	Cape Chelyuskin	A. I. Slonimskaja	+77 43	104 17	+65.9	177.5
Th	Thule	J. Olsen	+77 29	290 50	+89.0	0.0
RB	Resolute Bay	R. G. Madill	+74 41	265 10	+83.0	289.6
B4	Bear Island		+74 30	19 00	+71.0	123.0
Di	Dickson	Panov	+73 33	80 34	+63.0	161.5
MS	Matoshkin Shar	N. D. Medvedev	+73 16	56 24	+64.8	146.5
Ti	Tiksy	Melgunov	+71 35	129 00	+60.5	191.4
PB	Point Barrow	R. Z. Barela	+71 18	203 14	+68.6	241.0
Tr	Tromsø	E. Tønsberg	+69 40	18 57	+67.1	116.7
Go	Godhavn	J. Olsen	+69 14	306 29	+79.8	32.5
Mm	Murmansk		+68 57	33 03	+64.1	126.5
Ki	Kiruna	N. Ambolt	+67 50	20 25	+65.3	115.8
So	Sodankylä	E. Kataja	+67 22	26 39	+63.8	120.0
We	Wellen	Andriunina	+66 10	190 11	+61.8	237.0
Co	College	C. J. Beers	+64 52	212 10	+64.5	255.4
BL	Baker Lake	R. G. Madill	+64 20	263 58	+73.8	315.2
Sr	Srednikan	D. S. Slonimsky	+62 26	152 19	+53.1	210.6
YK	Yellow Knife		+62 24	245 36	+69.0	293.3
Do	Dombås	G. Gjellestad	+62 04	9 07	+62.3	100.1
Ya	Yakutsk	V. I. Tchirkov	+62 01	129 40	+51.0	193.8
Nu	Nurmijärvi	M. Kivinen	+60 30	24 39	+57.9	112.6
Le	Le wick	L. Jacobs	+60 08	358 49	+62.5	88.6
Ln	Le.ingrad	E. P. Gluschkova	+59 57	30 42	+56.2	117.1
Lo	Lovö	F. Eleman	+59 21	17 50	+58.1	105.8
Si	St. Ika	M. L. Gleven	+57 04	224 40	+60.0	275.4
Sv	Sverdlovsk	S. P. Reschetnikov	+56 44	61 04	+48.5	140.7
Tm	Tomsk		+56 28	84 56	+46.1	159.8
RS	Rude Skov	A. Lundback	+55 51	12 27	+55.8	98.5
Kn	Kasan	N. F. Puschkin	+55 50	48 51	+49.3	130.4
Mo	Moskow	M. S. Mansurov	+55 29	37 19	+50.8	120.5
Es	Eskdalmuir	L. Jacobs	+55 19	356 48	+58.5	82.9
Me	Meanook	Anne B. Cook	+54 37	246 40	+61.8	301.0
Hl	Helu	W. Czyszek	+54 36	18 48	+53.5	103.7
St	Stonyhurst	J. E. Worthy S. J.	+53 51	0 10	+57.0	82.5
Wn	Wingst	O. Meyer	+53 45	9 04	+54.5	94.0
Wi	Witteveen	D. van Sabben	+52 49	6 40	+54.2	91.0
Ir	Irkutsk	V. M. Mischin	+52 10	104 27	+41.0	174.4
Sw	Swider	Z. Kalinowska	+52 07	21 15	+50.6	104.6
Ni	Niemegk	G. Fanselau	+52 04	12 40	+52.2	96.5
Vl	Valentia	S. Mc Williams	+51 56	349 45	+56.6	73.4
Be	Belsk		+51 50	20 48	+50.4	104.0
Gt	Göttingen	J. Bartels	+51 33	9 58	+52.3	93.7
Cm	Collmberg	C. Junge	+51 19	13 00	+51.5	96.5
Ha	Hartland	H. F. Finch	+51 00	355 31	+54.6	79.0
Kv	Kiev		+50 43	30 18	+47.3	112.2
Ma	Manhay	L. Koehnigfeld	+50. 18	5 41	+52 0	88.8

LIST OF OBSERVATORIES 1960 - continued

Arranged according to geographic latitude

	Observatory	Collaborator	Geographic		Geomagnetic	
			Lat.	Long.	Lat.	Long.
Db	Dourbes	A. de Vuyst	+50° 06'	4° 36'	+51.7°	88.7°
Pr	Pruhonice	J. Bouska	+49 59	14 33	+50.1	97.5
Lw	Lwow	M. S. Babuschnikov	+49 54	23 45	+48.0	105.8
Bu	Budkov	J. Subrt	+49 04	14 01	+49.1	96.2
Vi	Victoria	B. Canner	+48 30	236 36	+54.1	293.0
Fü	Fürstentfeldbruck	K. Wienert	+48 10	11 17	+48.9	92.4
CF	Chambon-la-Forêt	G. Gibault	+48 01	2 16	+50.4	83.9
Hb	Hurbanovo	P. Ochabová	+47 54	18 12	+47.1	99.8
Na	Nantes	O. Noblanc	+47 15	358 27	+50.5	80.1
Sa	Sakhalinsk	N. I. Petrov	+46 57	142 43	+36.9	206.7
Ty	Tihany		+46 54	17 53	+46.4	99.1
Od	Odessa	A. I. Staroginsky	+46 47	30 53	+43.8	111.1
Su	Surlari		+44 41	26 15	+42.5	106.0
Gc	Grocka		+44 38	20 46	+53.6	100.9
Mb	Memambetsu	Y. Tamura	+43 55	144 12	+34.1	208.3
Ag	Agincourt	A. A. Onhauser	+43 47	280 44	+55.0	347.0
Wl	Wladiwostok	M. S. Lasarev	+43 41	132 20	+32.4	198.3
Lg	Logrono	T. Miguel Lafuente	+42 27	357 30	+46.1	77.2
Aq	Aquila	F. Molina	+42 23	13 19	+42.9	92.9
Tf	Tiflis	M. L. Tchelischvili	+42 05	44 42	+36.7	122.1
Tk	Tashkent	M. G. Antzilevitch	+41 25	69 12	+32.5	134.4
Md	Maddalena	M. Giorgi	+41 13	09 24	+42.7	88.5
IK	Istanbul-Kandilli	O. N. Sipahioglu	+41 04	29 04	+38.5	107.5
Eb	Ebro	J. O. Cardus S. J.	+40 49	0 30	+43.9	79.7
Ci	Coimbra	V. Seïça e Santos	+40 13	351 35	+44.8	71.3
Tl	Toledo	L. de Miguel	+39 53	355 57	+43.6	75.7
On	Onagawa		+38 26	141 28	+28.4	206.7
Fr	Fredericksburg	R. E. Gebhardt	+38 12	282 38	+49.6	349.9
Pe	Pendeli	A. Stavrou	+38 03	23 52	+36.2	102.0
Gi	Gibilmanna	M. Giorgi	+37 59	14 01	+38.5	92.2
Ak	Ashkabad		+37 57	58 06	+30.6	133.5
SM	San Miguel	H. Amorim Ferreira	+37 46	334 21	+45.6	50.9
SF	San Fernando	F. F. de la Puente	+36 28	353 48	+41.0	71.3
Ka	Kakioka	T. Yoshimatsu	+36 14	140 11	+26.0	206.0
TI	Teheran Iran	H. K. Afshar	+35 41	51 25	+29.4	126.6
Ks	Ksara	J. Delpeut S. J.	+33 50	35 54	+30.4	112.0
Ss	Simosato		+33 35	135 56	+23.1	202.3
As	Aso		+32 53	131 01	+22.1	198.1
Tu	Tuscon	R. F. White	+32 15	249 10	+40.4	312.2
Ky	Kanoya		+31 25	150 53	+20.7	198.1
Qu	Quetta	S. A. A. Kazmi	+30 11	66 57	+21.6	139.7
He	Helwan	M. Fahim	+29 52	31 20	+27.2	106.4
Ml	Misallat	M. Fahim	+29 45	30 54	+26.7	105.8
Ta	Tamanrasset	B. Lepretre a. o.	+22 48	5 31	+25.4	80.6
Ho	Honolulu	G. E. Haraden	+21 18	201 54	+21.1	266.5
Te	Teoloyucan	E. Salyano	+19 45	260 49	+29.6	327.1
Al	Alibag	S. L. Malurkar	+18 38	72 52	+ 9.5	143.6
SJ	San Juan	M. Vazquez	+18 23	293 53	+29.9	3.2
MB	M'Bour	R. Remiot	+14 24	343 03	+21.3	55.0
Mu	Muntinlupa	A. A. Luceno	+14 22	121.01	+ 3.2	190.8

LIST OF OBSERVATORIES 1960 - continued

Arranged according to geographic latitude

	Observatory	Collaborator	Geographic		Geomagnetic	
			Lat.	Long.	Lat.	Long.
Gu	Guam	D. D. Newman	+13° 27'	144° 45'	+ 3.9°	212.8°
AA	Adis Ababa	P. Gouin S. J.	+09 02	38 46	+ 5.3	109.2
Kr	Koror	K. Gravens	+07 20	134 30	- 3.2	203.4
Pa	Paramaribo	D. van Sabben	+05 50	304 50	+17.0	14.5
Fq	Fuquene	C. Garavito	+05 28	286 16	+16.9	355.1
Ba	Bangui	M. Leroy	+04 26	18 34	+ 4.6	88.5
Mc	Moca	A. G. Cogollor	+03 21	8 40	+ 5.7	78.6
Bn	Bunia	P. Herrinck	+01 32	30 11	- 0.4	99.3
Tt	Tatuoca	L. I. Gama	-01 12	311 29	+ 3.5	20.8
Lr	Lwiro	G. Bonnet	-02 15	28 48	- 4.0	98.2
Hn	Hollandia	D. van Sabben	-02 34	140 31	-12.6	210.3
Bi	Binza	{P. Herrinck	-04 23	15 16	- 3.4	83.2
Ku	Kuyper	{G. Lesambo	-06 02	106 44	-12.5	175.5
		{A. Fatah				
Lu	Luanda	V. S. Moreira	-08 55	13 10	- 7.2	80.5
PM	Port Moresbey	J. A. Brooks	-09 25	147 09	-18.6	217.9
El	Elisabethville	{P. Herrinck	-11 39	27 28	-12.7	94.1
		{A. Kiela				
Hu	Huancayo	A. A. Giesecke Jr	-12 03	284 40	- 0.6	353.8
Da	Darwin	L. S. Prior	-12 20	131 00	-22.0	201.3
Ap	Apia	A. L. Cullington	-13 48	188 14	-16.0	260.2
Tn	Tananarive	M. Burgaud S. J.	-18 55	47 33	-23.7	112.5
Mr	Mauritius	E. G. Davy	-20 06	57 33	-26.6	122.4
LQ	La Quiaca	R. P. J. Hernández	-22 06	294 24	-10.6	3.2
Va	Vassouras	L. I. Gama	-22 54	316 21	-11.9	23.9
Br	Brisbane	R. F. Thyer	-27 32	152 55	-35.8	226.9
Wa	Watheroo	P. M. Mc Gregor	-30 19	115 53	-41.8	185.6
Pi	Pilar	R. P. J. Hernández	-31 40	296 07	-20.2	4.0
Gn	Gnangara	P. M. Mc Gregor	-31 47	115 57	-43.2	185.8
Hr	Hermanus	A. M. van Wijk	-34 26	19 14	-33.7	81.7
To	Toolangi	R. F. Thyer	-37 32	145 28	-46.7	220.8
Am	Amberley	A. L. Cullington	-43 09	172 43	-47.7	252.5
Tw	Trelew	O. Sidoti	-43 15	294 41	-31.7	3.2
Kg	Kerguelen		-49 21	70 15	-57.2	128.0
MI	Maquarie Island	R. F. Thyer	-54 30	158 57	-61.1	243.1
Ar	Argentine Island	C. N. Horton	-65 15	295 44	-53.8	3.3
Oa	Oasis		-66 06	92 09	-77.4	160.8
Wk	Wilkes	L. S. Prior	-66 15	110 21	-77.8	110.5
Mi	Mirny		-66 36	92 54	-77.0	146.5
DU	Dumont d'Urville		-66 40	140 01	-75.5	230.9
Mw	Mawson	R. F. Thyer	-67 36	62 53	-73.2	103.1
Ct	Charcot		-69 23	139 01	-78.3	234.5
Po	Pionerskaya		-69 44	95 30	-80.3	146.5
La	Lazarevskaya		-69 58	12 55		
Ht	Hallett		-72 18	170 18	-78.6	278.1
HB	Halley Bay	J. C. Farman	-75 31	333 24	-65.8	24.3
SB	Scott Base	A. L. Cullington	-77 51	166 45	-78.8	294.6
LA	Little America	J. J. Gniewek	-78 11	197 50	-74.0	312.0
Vo	Vostok		-78 27	106 52	-90.0	171.8
By	Byrd Station	L. E. Davis	-79 57	240 10	-70.6	336.0
SP	South Pole	W. Jacobs	-90		-78.5	0.0

LIST OF OBSERVATORIES 1960 - continued

	Scale Values			Lower Limit K = 9 γ	Ranges for C = 1
	D γ /mm	H γ /mm	Z γ /mm		
NP7					
NP6					
NP8					
BT				2000	
CC				2500	
Th	4.5	7.9	12.3	1000	
RB				1500	
B4	5.6	6.0	21.2	2000	
Di				1500	
MS				2500	
Ti				1000	
PB	16.0	32.2	29.9	2800	
Tr	4.7	5.3	7.2	2000	400 - 1200 γ
Go	2.3	9.5	14.1	1800	
Mm	7.6	11.9	8.2	2500	
Ki	11.5	11.4	11.9		
So	3.0	8.7	9.7	1500	45 - 200 γ
We				1250	
Co	3.7	7.8	7.1	2500	No fixed range
BL	2.5	5.7	8.1	2500	
Sr	4.8	3.8	4.9	550	
YK					
Do	9.6	9.2	6.5	750	
Ya	4.3	7.3	5.2	550	
Nu	3.8	7.8	7.4	750	D: 4' - 20' ; H: 30 - 140 γ ; Z: 20 - 100 γ
Le	4.0	4.0	6.6	1000	
Ln	3.3	4.6	2.7	600	
Lo	4.3	3.8	4.0	600	
Si	4.7	7.0	8.0	1000	No fixed range
Sv	4.6	5.3	6.7	550	
Tm					
RS	4.9	10.0	10.0	600	D: 4' - 12' ; H: 14 - 42 γ ; Z: 9 - 27 γ
Kn	4.7	5.7	5.0	550	
Mo	1.8	1.9	3.9	550	
Es	4.0	4.0	6.0	750	
Me	3.6	7.8	10.8	1500	
Hl	4.7	4.5	5.7	650	
St	4.6	6.3	6.9	600	Sum K: 20
Wn	4.4	6.2	5.5	500	Sum K: 20 - 30; CK: 0.7 - 1.3; Cs: 0.8 - 1.4
Wi	9.7	9.5	5.5	500	D: 4' - 12' ; H: 15 - 45 γ ; Z: 7 - 21 γ
Ir	5.5	4.6	3.2	350	
Sw	3.7	3.7	3.9	500	
Ni	2.0	2.0	2.0	500	
Vl	4.7	3.5	5.8	500	
Be	2.8	3.4	3.6	500	
Gt	3.2	3.2	1.6	500	
Cm	1.6	1.6	2.6	500	based on K - indices
Ha	5.5	4.1	4.0	500	
Kv					
Ma	5.2	1.5	3.9	500	D: 4' - 12' ; H: 15 - 45 γ ; Z: 7 - 21 γ

LIST OF OBSERVATORIES 1960 - continued

	Scale Values			Lower Limit K = 9 γ	Ranges for C = 1
	D γ/mm	H γ/mm	Z γ/mm		
Db	5.3	3.9	3.8	500	H: 14 - 45
Pr	3.0	4.5	5.0	500	
Lw	4.0	1.7	2.8	550	
Bu		3.7-2.8			
Vi	2.7	2.4	3.3	500	
Fü	2.9	2.8	2.7	500	17 ≤ ΣK ≤ 29
CF	5.7	5.9	2.8	500	No fixed range
Hb	7.3	4.3	4.8	350	
Na	9.5	6.0	6.0	500	
Sa	4.2	3.1	5.1	350	
Ty	5.8	3.6	2.7		
Od	6.4	3.5	2.4	350	
Su	2.5	1.7	2.4	350	
Gc					
Mb	3.4	2.3	4.0	350	
Ag	4.0	5.1	6.1	600	12 - 150γ
Wl	2.9	1.9	4.1	300	
Lg	6.0	3.7	5.0	350	15 ≤ ΣK ≤ 30
Aq	7.2	4.9	3.3	350	
Tf	1.7	3.2	2.5	350	
Tk	7.8	2.8	4.6	300	
Md	3.6	3.3	3.0	350	
IK	3.7	3.1	4.0	300	Sum K: 16 - 31 or 16 and 4 ≤ K ≤ 6
Eb	6.9	3.4	6.6	350	14 - 55γ
Ci	7.7	4.0	5.0	350	C from Cs
Tl	2.8	2.8	2.8	350	D: 2' - 8'; H: 10 - 60γ; Z: 10 - 50γ
On					
Fr	2.7	2.5	2.9	500	Sum K: 25 - 44
Pe	7.5	7.2	11.3	300	
Gi	7.4	1.6	1.2	350	
Ak					
SM	9.7	4.0	4.5	350	No fixed range
SF	5.3	2.7	---	350	10 - 30γ
Ka	6.2	2.8	3.5	300	No fixed range
Tl	2.6	2.3	2.8	500	
Ks	8.8	6.0	5.0	300	15 - 45γ
Ss	6.4	2.4	6.4	300	
As					
Tu	3.8	3.1	---	350	No fixed range
Ky	2.5	2.6	2.6	300	
Qu	4.9	3.0	4.3	300	No fixed range
He	3.7	2.6	3.0	300	10 - 30γ
MI	3.9	2.4	2.2	300	
Ta	9.0	4.4	2.8	300	20 a 60γ
Ho	8.4	2.6	3.7	300	Sum K: 22 - 38
Te	8.7	3.3	5.7	300	Lower limit: Sum K = 17 or 18
Al	11.3	4.4	2.5	300	No fixed range
SJ	8.1	2.5	5.0	300	Sum K: 14 or 18 - 35
MB	8.1	6.6	6.3	350	
Mu	---	---	---		

LIST OF OBSERVATORIES 1960 - continued

	Scale Values			Lower Limit K = 9 γ	Ranges for C = 1
	D γ /mm	H γ /mm	Z γ /mm		
Gu	5.2	2.7	3.7	300	
AA					
Kr					
Pa	8.1	6.1	4.0	500	
Fq	8.8	4.0	4.1	300	
Ba	8.1	10.0	13.3	300	
Mc	7.8	3.9	1.6		19 - 43 γ
Bn	7.7	2.0	2.6		
Tt	8.4	2.6	3.7		
Lr	7.6	4.9	1.1	350	20 - 75 γ
Hn	5.2	5.0	4.0	300	
Bi	7.8	4.2	2.6		
Ku	0.9	4.3	3.9	300	
Lu	3.7	2.9	6.6	350	
PM	9.7	5.6	7.2	300	
El	3.9	4.9	2.0		H: 20 - 100 γ
Hu	8.3	3.5	3.6	600	Sum K: 25 - 41
Da					
Ap	9.3	3.9	3.8	300	Sum K: 25
Tn	2.9	0.9	2.2	300	No fixed range
Mr	7.6	3.2	5.0	300	
LQ	3.8	3.3	3.0	350	
Va	6.9	4.0	3.0	600	No fixed range
Br				500	
Wa	7.5	2.7	4.6	350	20 - 35 γ
Pi	6.7	3.6	2.9	350	
Gn	7.4	2.6	5.5	350	
Hr	2.1	2.3	4.2	300	No fixed range
To	7.7	4.6	4.4	500	Sum K: 18 - 34
Am	7.2	4.6	3.7	500	No fixed range
Tw	6.7	4.9	6.4	350	
Kg	2.0	5.8	2.1	750	
MI	3.5	12.5	14.1	1500	
Ar					
Oa	10.6	8.3	18.3	2000	
Wk	28.6	24.3	24.6	2500	
Mi	4.6	6.3	10.1	2000	
DU					
Mw	4.5	9.9	10.1	1500	
Ct	---	---	14.3	1500	
Po	10.6	12.1	14.9	2000	
La					
Ht	19.1	27.5	25.9	2500	
HB	5.4	7.2	6.8	2000	
SB	26.0(y)	22.0(x)	28.5	2000	No fixed range
LA	---	---	---	2500	
Vo					
By	26	24	25	2500	
SP	16.8	27.7	26	2000	

LIST OF OBSERVATORIES - 1960 - continued

Instruments	Ionospheric Stations or Radio Services
NP7	
NP6	
NP8	
BT	
CC	
Th	Normal, Low sens. + quick run
RB	
B4	
Di	
MS	
Ti	
PB	Low sens. + quick run
Tr	Normal sens.
Go	Normal, low sens. + quick run
Mm	
Ki	
So	Normal sens.
We	
Co	Normal, low sens. + quick run
BL	Normal sens.
Sr	
YK	
Do	Normal sens.
Ya	
Nu	
Le	Normal, low sens. + quick run
Ln	
Lo	Normal, low sens. + quick run
Si	Normal, low sens. + quick run
Sv	
Tm	
RS	Normal, low sens. + quick run
Kn	
Mo	
Es	Normal, low sens. + quick run
Me	Normal and low sens.
Hl	
St	
Wn	Normal, dX/dt , dY/dt , dZ/dt , quick run
Wi	Normal sens. + quick run
Ir	
Sw	Normal sens.
Ni	Normal sens.
Vl	Normal sens. + quick run
Be	
Gt	Normal sens., str. var. + puls. recorder
Cm	Normal sens.
Ha	Normal sens. + quick run
Kv	
Ma	
	Nurmijärvi Ionospheric Stations Cable and wireless Ltd; Sol. Obs. Greenwich, Edinburgh
	Transradio Espanola, Alcobendas (Madrid)
	Cable and wireless Ltd; Sol. Obs. Greenwich, Edinburgh
	Inst. für Ion. - forschung, Lindau Sol. Obs. ; Fraunhofer Ins. Freiburg Nederhorst Den Berg Radio (Nera)
	Zentralobs. Potsdam; Sol. Obs. Astrophysical. Obs., Potsdam Dunsink Astronomical Observatory, Dublin
	Ion. Station Collm Observatory Cable and wireless ltd; Sol. Obs. Royal Obs. Greenwich

LIST OF OBSERVATORIES - 1960 - continued

Instruments		Ionospheric Stations or Radio Services
Db	Normal sens. + quick run	Ion. Station Dourbes
Pr	Normal sens.	Ion. Station Pruhonice; Astrophysical Obs. (Ondrejov)
Lw		
Bu		
Vi	Normal sens.	
Fü	Normal sens. + high sens.	Inst. für Ion. - forschung, Lindau
CF	Normal sens. + quick run	Lab. Nat. de Radioelectr. Bagneux; Sol. Obs.: Obs. d'Astrophysique, Meudon
Hb	Normal sens.	
Na	Normal sens.	
Sa		
Ty		
Od		
Su	Normal sens.	
Gc		
Mb		
Ag	Normal sens. and low sens.	
Wl		
Lg		
Aq		
Tf		
Tk		
Md		Astrophys. Obs. Arcetri (Firenze)
IK	Normal sens.	No
Eb	Normal sens.	Ion. Stat. Ebro; earth-currents; Transradio Espanola, Alcobendas (Madrid)
Ci	Normal sens.	
Tl	Normal sens.	
On		
Fr	Normal, low sens. + quick run	
Pe	Normal sens.	
Gi	Normal sens.	Ionospheric Station S. Alessio Roma Osserv. Astrof. di Arcetri (Firenze)
Ak		
SM	Normal sens. + quick run	
SF	Normal sens.	
Ka	Normal sens. + high sens. for D	Tokyo Wireless Adjusting Station
TI		
Ks	Normal sens.	
Ss		
As		
Tu	Normal sens. + quick run	
Ky		
Qu	Normal sens. + quick run	Ionospheric Station Quetta
He	Normal sens.	
Ml	Normal sens.	
Ta	Normal sens. + dH/dt, dD/dt, quick run	
Ho	Normal sens. + quick run	
Te	Normal sens.	Boulder Observatory, Colorado
Al	Normal sens. + quick run	All India Radio, New Delhi; Radio Ceylon Colombo; Sol. Obs.; Sol. Phys. Obs., Kodiakanal
SJ	Normal sens.	
MB	Normal sens. + quick run	Station Ionosphérique Dakar-Cambarene
Mu		Manila Observatory, Baquio City

LIST OF OBSERVATORIES - 1960 - continued

Instruments		Ionospheric Stations or Radio Services
Gu	Normal sens. + quick run	
AA	Normal sens. + quick run	
Kr	Normal sens. + quick run	
Pa		
Fq	Normal sens.	
Ba	Normal sens. + quick run	Ionospheric Station Leopoldville - Binza
Mc		
Bn	Normal sens.	
Tt	Normal sens.	
Lr	Normal sens.	Ion. Station Lwiro, Radio astron. St, Lwiro
Hn		
Bi	Normal sens.	No
Ku		
Lu	Normal sens.	
PM		
El	Normal sens.	
Hu	Normal sens. + quick run	Inst. Geofisico de Huancayo Sol. Obs.: Inst. Geofisico de Huancayo
Da		
Ap	Normal sens.	Apia Radio
Tn	Normal sens.	
Mr		
Va	Normal sens.	
Br		
Wa	Normal sens.	
Pi	Normal sens.	
Gn		
Hr	Normal sens. + quick run	Ionospheric Station Mundaring Geoph. Obs. NTRL Johannesburg, Pan. Receiv. St. SABC Royal Observatory Cape town I. P. S. Canberra
To	Normal sens.	Godley Head Ion. Stat. New Zealand Broadc. Service, Wellington; Sol. Obs. ;Carter Obs. Wellington
Am	Normal sens.	
Tw	Normal sens.	
Kg		
MI	Normal sens.	No
Ar		
Oa		
Wk	Low sens. + quick run	
Mi	Normal, low sens. + quick run	
DU		
Mw		
Ct		
Po		
La		
Ht		
HB	Low sens. + quick run	
SB	Low sens. + quick run	Ion. Station Scott Base
LA		
Vo		
By	Low sens. + quick run	
SP	Low sens + quick run	

TABLE 1 STORM SUDDEN COMMENCEMENTS (S. S. C. 'S) 1960

Sudden commencements followed by a magnetic storm or period of storminess.

JANUARY

04d 08h 11m	A: Lg Tk AA - B: Sr Nu Kn St Db Od Md SMSF Mu Pa PM Hu Ap Tn Gn Hr To Tw Kg - C: Lo Me Vl Gt Kv Ma Vi Fū Hb Mb Aq Tf IK Eb Ci Tl Pe Ak Ka Ky MB MC Hn Mw - X: Lu -(si: Ha Am Wk - bs: Ks) - D: 20.
05d 02h 01m	A: Co Kn Ma Fū Hb Ty Lg Md IK Fr SF Tu Ho SJ Tn Gn Am Tw - B: Sr Nu Si Mo Me Wn Wi Sw Vl Kv Db Vi Od Aq Tf Tk Eb Tl Pe Ak SM Mu Gu AA Pa Hn Lu PM Hu Ap Hr To Kg MI Ht SB - C: Le Lo Ir Mb Ci Ka Ks Ky MB - E: St - (si: Gt Ha Mc Wk) - D: 8.
10d 07h 18m	A: Ko Kn Me Mo Sw Gt Ha Ma Db Fū Ty Lg Tk Md IK? Eb? Tl Fr Ak SM SF Tu Ho SJ MB Mu Gu AA Mc Hn Lu Ap Tn Br Gn To Am Tw - B: Sr Nu Le Lo Si Wi Ir Ni Vl Kv Vi Hb Ci Hu Hr Kg SB - C: Mb Tf Ka Ks Ky Ht - E: Mw - X: Pe Pa - (si: St Od Aq MI Mw) - D: 2.
13d 18h 59m	A: Co Sr Nu Lo Si Me St Wn Gt Ha Kv Ma Db Vi Fū Hb Ty Od Mb Lg Tf Md IK Tl Fr Ak SM SF Ka Tu Ky Ho SJ MB Mu Gu AA Mc Lu PM Ap Tn Br Hr To Am Tw Kg MI DU Ht SB - B: Le Mo Wi Ir Sw Ni Vl Aq Tk Eb Ci Pe Ks Pa Hn Hu Wk Mw - X: Kn Gn
16d 21h 14m	A: od Tn - B: Co Sr Wi Ha Ma Db Fū Ty Lg Aq Tk Md Tl Ak SM SF Mu Pa Hn Lu PM Hu Ap Hr Tw Wk DU Ht SB - C: Le St Vl Ir Gt Kv Vi Hb Tf IK Eb Ci Ho MB To Am Kg - X: Gn - (si: Mb Ka Ky - b: Mc - bs: Ks - bp: Nu - bps: AA - pt: Lo Wn) - D: 14.
18d 06h 43m	A: Co Tf IK AA Tn - B: Me Fū Lg Tk Pe Ak SF Ks Pa Mc PM-C: Nu Mo Wn Ir Sw Vl Ha Kv Ma Db Vi Hb Mb Aq Md SM Ka Ky MB Mu Hn Ap Br Hr SB - E: St Am - X: Ty Gn - (si: Sr Od Eb Lu To Tw Kg) - D: 20.
19d 22h 08m	A: Ma Ty Lg Tf Tk Tl SF - B: Co Kn Wi Ha Kv Db Fū Hb Od Aq Md IK Pe Ak SM AA Pa Mc? Lu PM Hu Ap Tn Tw Ht SB - C: Sr Lo Me Ir Mb Ci Ka Ks Ky Ho MB Mu Hr To Am Kg Wk DU - X: Hn Gn - (si: St? Wn Sw Vl Gt Eb - b: Nu) - D: 12.
29d 02h 05m	A: Ty Tf Ap - B: Sr Fū Hb Lg IK Tl Pe Ak SM SF Mu AA Pa Mc Lu PM Hu Ap Tn Gn Hr To Am Tw - C: Lo Wn Wi Ir Vl Kv Vi Mb Tk Ka Ks Ky Ho SJ MB Gu - X: Md Hn Kg - (si: St? Sw Gt Ha Ma Db Od Aq Tu MI Mw) - D: 15.

FEBRUARY

26d 10h 43m	A: Kn Me St Db Ty Od Tf Tl SF Tu Ho SJ AA Ap Tn Gn Tw - B: Sr Nu Lo Si Mo Wn Ir Kv Ma Vi Mb Aq Tk Md IK Pe Ak SM Ka Ks Mu Mc Hn Lu PM Hu Hr To Am Mw Ht - C: Co Le Wi Fū Hb Eb Ci Ky MB Gu DU SB - X: Lg Pa Kg - (si: Sw Vl Gt Ha Br MI Wk) - D: 1.
-------------	---

MARCH

14d 15h 02m	A: Db - B: Ha Fū Hb Lg Tl Pe Ak Ap Tw Ht - C: Le Lo Me St Wi Ir Sw Gt Kv Vi Aq Tf Tk Md Ci SM SF Ks MB Mu Pa Mc PM Hr SB - X: Ty AA Kg (si: Nu Wn Vl Ma Od Mb IK? Eb Ka Ky Lu Hu) - D: 22.
31d 09h 55m	B: Nu Me Vl Fū Hb Mu Ap SB - C: Mo Wn Wi Ir Sw Gt Od Mb Tk IK Ci SM Ka Ky Gu Mc PM Tn Gn Tw - E: Co St Ma Db Md Kg MI - X: Lg Pe Ak SF - (si: Ha AA - pg: Ty) - D: 30.
31d 10h 36m	B: Nu Me Vl Fū Hb Mu Ap SB - C: Mo Wn Wi Ir Sw Gt Od Mb Tk IK Ci SM Ka Ky Gu Mc PM Tn Gn Tw - E: Co St Ma Db Md Kg MI - X: Lg Pe Ak SF - (si: Ha AA - pg: Ty) - D: 30.
31d 10h 36m	A: Kn Sw Ks MB AA Mc Lu Ap Am - B: Od Lg Tk IK SM Mu Br Tw SB - C: Le Mo Ir Vl Gt Hb Tf Ci Tl Fr SF Ka Ky Hn PM Tn LQ - E: Co Nu Me St Wn Wi Ha Kv Ma Fū Aq Md To Kg MI DU

TABLE 1 STORM SUDDEN COMMENCEMENTS (S. S. C. 'S) 1960 - continued

(MARCH)

Mw - X: Pe Ak Pa - (si: Db? - b: Tu - bs: Vi - bps: Sr - pg: Ty) - D: 11.

31d 10h 54m A: Ci SB - B: Mo Ma Tl SM Ap Tw - C: Kn Ir Sw V1 Gt Tk Md IK? SF Mu AA PM Tn LQ Br Am - E: Co Nu Me St Wn Wi Ha Kv Hb Mb Ka Ky Pa Hr To Kg MI DU Mw - X: Lg Pe Ak - (si: Db? FÜ Od Aq? MB Mc - pd: Ty) - D: 19.

APRIL

02d 23h 13m A: Co Nu Si Kn Mo St Wn Sw Ha Ma Db FÜ Hb Ty Lg Tf Tk Md IK Ci Tl Fr Pe SF Tu Ky Ho SJ MB Mu Gu AA Mc Lu PM Ap Tn Gn Am Tw MI Ht SB - B: Sr Le Lo Me Wi Ir Ni V1 Gt Kv Vi Mb Aq Eb SM Ka Pa Hn LQ Hr To Kg Wk DU - X: Ak - (si: Od) - D: 3.

05d 13h 00m A: Nu Le Kn Mo St Wn Gt Ha Ma Db FÜ Hb Ty Lg Tf Tk Md IK Pe Ak SF Ks PM Ap Tn Tw - B: Lo Me Wi Ir Sw Ni V1 Kv Aq Eb Ci Tl SM MB Mu Pa Mc Hn Lu LQ Hr To Am - C: Si Vi MB Fr Ka Tu Ky SJ Gu Kg Wk DU Mw - E: Co - (si: Sr Od Ho AA Br Gn MI) - D: 2.

07d 15h 11m A: Nu Kn Mo Me FÜ Lg Tf Tk Ci Fr Ap LQ Gn Tw SB - B: Sr Le Lo Si Wn Wi Ir Ni V1 Gt Ha Ma Db Aq IK Tl Pe Ak SM SF Mu Gu Pa Mc Hn Lu PM Tn Br Hr To Am Kg Mw Ht - C: Kv Vi Hb Mb Ka Ky Ho Wk - X: St Md DU - (si: Sw? Ty Od Eb Ks Tu SJ MB AA) - D: 2.

10d 01h 26m A: Co Sr Nu FÜ IK SF Ks Ho AA Ap Gn Am Tw - B: Le Lo Si Kn Mo Me St Wn Wi Ir Sw Ni V1 Ha Kv Ma Db Hb Ty Od Lg Aq Tf Tk Md Ci Tl Pe SM Mu Gu Pa Mc Hn Lu PM Tn LQ Br Hr To Kg SB - C: Vi Mb Eb Ak Ka Ky MB Mw Ht - X: DU - (si: Gt Fr Tu SJ MI) - D: 1.

27d 20h 00m A: Co Nu Lo Si Kn Mo Me St Wn Wi V1 Gt Ha Kv Ma Db Vi FÜ Hb Ty Od Lg Aq Md Tf Tk IK Eb Tl Fr Pe Ci Ak SM SF Ks Tu Ky Ho SJ MB Mu Gu AA Mc Lu PM Ap Tn Gn Hr Am Tw MI Ht - B: Sr Le Ir Sw Ni Mb Ka LQ Br To Kg Wk DU SB - X: Pa Hn - D: 1.

30d 01h 32m A: Co Sr Nu Lo Si Kn Mo Me St Wn Wi Sw Gt Ka Kv Db Vi FÜ Hb Ty Lg Aq Tf Md IK Eb Ci Tl Fr Pe Ak SM SF Tu Ky Ho SJ Mu Gu AA Mc Hn Lu PM Ap Tn LQ Gn Hr To Am Tw Ht SB - B: Le Ir Ni V1 Mb Tk Ka Ks MB Br Kg Mw DU - X: Pa - (si: Ma Od MI).

30d 12h 13m A: Sr Nu Si Kn St Wn Sw Gt Ha Ma Db FÜ Hb Mb Aq Tf Tk Md IK Eb Ci Tl Fr Pe Ak SM Ka Ks Tu Ky MB Mu Gu Lu PM Ap Tn LQ Br Gn Hr To Am Tw Wk - B: Le Wi Ir Ni V1 Kv Vi? Ty Mw - C: Kg - E: Co Lo Mo Me DU Ht SB - X: Pa - (si: Od SF Ho MI) - D: 4.

MAY

06d 16h 50m A: St FÜ Lg Tl SF MB - B: Nu Mo Wn Wi Sw V1 Ha Ma Tk Md SM LQ - C: Le Lo Me Ir Gt Kv Db Vi Hb Ty Aq Eb Ci Pe Ak Ks Mu Mc Ap Tn Hr Tw - E: Co MI - X: Pa - (si: Od Mb IK Ka Ky) - D: 24.

06d 17h 18m A: Nu Db FÜ Ci Pe - B: Kn Mo Ir V1 Gt Ma Hb Lg Tf Tk IK Ak SM Ks Mu AA Lu Ap LQ Am SB - C: Lo Me Wi Kv Ty Fr Tu SJ Hn Tn Tw - E: Co Vi Tl MI - X: St Pa - (si: Wn Sw Ha? Od Mb Aq Md Eb Ka Ky MB Mc PM Gn - bps: Mw) - D: 14.

08d 04h 21m A: Co Sr Nu Le Lo Si Kn Mo St Wn Sw Ni Gt Ha Ma Db FÜ Hb Ty Lg Aq Tf Md IK Eb Ci Tl Fr Pe SF Ks Tu Ho SJ MB Mu Gu AA Pa Mc Lu PM Ap Tn Br Gn Hr Am Tw MI Mw SB - B: Wi Ir V1 Kv Vi Mb Tk Ak SM Ka Ky Hn LQ To Kg Wk DU - E: Me - X: Ht - (si: Od).

11d 04h 35m A: Co Sr Nu Lo? Si Mo Me St Gt Ha Ma Db Vi FÜ Od Lg Tf Tk Md IK Eb Ci Tl Fr SF Tu Ho SJ Mu Gu AA Mc Lu Ap Tn Am Tw - B: Le Wn Wi Ir Sw Ni V1 Hb Mb Aq Pe Ak SM Ka Ks Ky Pa Hn PM LQ Br Hr To MI DU Ht - C: Kv Kg SB - E: Kn - X: Gn - (si: Ty MB Wk - bps: Mw).

16d 11h 20m A: Tn - B: Nu Kn Mo Me St FÜ Lg Tf Tk IK SM Hn PM Ap Gn Am

TABLE 1 STORM SUDDEN COMMENCEMENTS (S. S. C. 'S) 1960 - continued

(MAY)

- C: Le Lo Wi Ir Sw V1 Gt Kv Ma Db Vi Hb Mb Aq Md Tl Pe Ak
SF Ka Ks Ky MB Mu Mc Lu Br Ho To Tw Mw SB - X: Ty Kg -
(si: Wn Ha Od AA) - D: 17.
- 16d 13h 51m A: Co Nu Le Kn Mo Me St Wn Sw Gt Ha Kv Ma Db FÜ Hb Od Lg
Aq Tf Tk Md IK Eb Ci Tl Pe SF Ks MB AA Mc Lu Lq Gn Am
Tw SB - B: Lo Si Wi Ir Ni V1 Vi Fr Ak SM Tu SJ Mu Pa Hn PM
Br Hr To Kg Mw Ht - C: Ho Wk DU - X: Ty - (si: Sr Mb Ka Ky
Ap) - D: 1.
- 23d 11h 37m B: Sr Nu Mo Me Ir Sw Ha Ma Db FÜ Ty Lg Tf IK? Pe PM Gn Am
- C: Le Lo St Gt Kv Hb Tk Md Ci Tl Ak SM MB Mu Lu LQ Hr
To Tw - X: Ht - (si: Wn Od Mb Ka Ks? Ky AA - cr: Vi) - D: 21.
- 28d 20h 29m A: Co Nu Le Lo Si Kn Mo Me St Wn Wi Sw V1 Gt Ha Kv Ma Db
Vi FÜ Hb Ty Od Mb Lg Aq Tf Tk Md IK Eb Tl Fr Pe AK SF Ka
Ks Tu Ky Ho SJ MB Mu Gu AA Pa Mc Hn Lu Ap Tn LQ Gn Am
Tw Hb SB - B: Sr Ir Ni Ci PM Hr To Kg MI Wk DU - C: SM Br
- (bps: Mw).

JUNE

- 04d 02h 48m A: Co Kn Mo Me Ha Db FÜ Hb Od Mb Lg Tf Tk Md IK Eb Ci Tl
Fr Pe Ak SF Ka Ks Tu Ky Ho SJ MB Mu Gu AA Mc Lu Ap Tn Br
Pi Gn Tw SB - B: Sr Nu Si St Wi Sw V1 Ma Aq SM Pa Hn PMLQ
Hr To Am MI Ht - C: Le Lo Wn Ir Kv Ty DU - (si: Gt Vi - bps:
Mw) - D: 3.
- 21d 00h 13m B: St V1 Ma FÜ Od Lg Md IK Pe Tn - C: Sr Le Lo Wn Wi Gt Kv
Hb Aq Tf Ci Ak Ks Lu Gn Hr Tw - X: Ty Ka Pa Hn SB - (b: Nu
Sw? - bp: Ha Tl AA - bps: Eb Mw) - D: 34.
- 27d 01h 45m A: Co Sr Si Kn Me St V1 Gt Ha Ma Db FÜ Hb Od Mb Tf Tk Md
IK Eb Ci Tl Fr Ak SF Ka Ks Tu Ky Ho SJ MB Mu Gu AA Pa Mc
Lu PM Ap Tn LQ Br Pi Gn To Am Tw MI Ht SB - B: Nu Le Lo
Wn Wi Ir Sw Vi Lg Aq Pe SM Hn - C: Mo Kv MB Hr DU - X: Ty
- (si: Kg Wk Mw).
- 29d 19h 39m A: Co Sr Nu Si Kn Mo Me St Wn Sw Gt Ha Kv Ma Db FÜ Hb Od
Lg Aq Tf Tk Md IK Eb Ci Tl Fr Pe SF Ks Tu Ky Ho SJ Mu Gu
AA Mc Lu Ap Tn LQ Pi Am Tw SB - B: Le Lo Wi Ir Ni V1 Vi Mb
Ak SM Ka MB Pa Hn PM Br Hr To - C: Kg Mw Ht - X: Ty - (si:
Gn MI Mw) - D: 1.
- 30d 17h 20m A: Nu St? Ma FÜ Od Lg Tk IK SF Ks AA Lu - B: Kn Mo Me Wn
Ir V1 Db Hb Tf Ci Tl Pe Ak SM MB Mu Pa Mc Hn PM Ap Tn Br
Am Tw Ht SB - C: Le Si Wi Sw Gt Kv Ty Eb Fr Tu SJ Gu LQ Pi
Hr To - E: Co - X: Ho MI - (si: Sr Ha Mb Aq Md? Ka Ky - bp:
Vi? Gn Wk - bps: Kg? Mw) - D: 2.

JULY

- 14d 04h 47m A: Co St Ma Fr SF Tu AA Tw - B: Sr Nu Le Lo Si Mo Me Wn Wi
Ni V1 Gt Ha Db FÜ Od Mb Lg Aq Tk Eb Ci Tl Ak SM Ka SJ Mu
Pa PM Ap Tn Lq Br Pi Gn To Am Kg - C: Kn Ir Kv Hb Tf IK?
Pe Ky Ho MB Mc Hn Hr Ht SB - X: Lu - (si: Ty Ks? Gu Mi DU?
- bs: Vi) - D: 3.
- 14d 17h 02m A: Co Nu Le Si Mo Me St Wn Wi Ni V1 Gt Ha Ma Db Vi FÜ Hb
Lg Aq Tf Md IK Eb Ci Tl Fr Pe SF Ks Tu Ky Ho SJ MB Gu Pa
Tn Lq Pi Gn Am Tw Ht SB - B: Lo Kn Ir Sw Kb Mb Ak SM Ka
Mu Mc Hn PM Ap Br Hr To Kg MI Wk DU - X: AA Lu - (si: Sr
Ty Od Tk - bps: Mw).

AUGUST

- 14d 15h 10m A: Nu Kn Mo Me St Gt Ha Kv Ma Db FÜ Hb Od Lg Aq Tf Tk Md
IK Eb Ci Tl Pe SM SF Ks MB AA Pa Lu Ap Tn Br Gn To Am Tw
- B: Lo Si Wn Wi Ir Ni V1 Mb Fr Ak Ka Ky Mu Gu Mc Hn Pi Hr
Wk DU Ht SB - C: Vi Kg - E: Co - X: Ty LQ - (si: Sr Le Sw Tu Ho
SJ PM Mw) - D: 1.

TABLE 1 STORM SUDDEN COMMENCEMENTS (S. S. C. 'S) 1960 - continued

(AUGUST)

16d 14h 09m A: Co Sr Nu Le Lo Si Kn Mo Me St Wn Wi Sw NiGtHa Kv Ma Db
Vi Fū Hb Ty Od Mb Lg Aq Tf Tk Md IK Eb Ci Tl Fr Pe SM SF
Ka Ks Tu Ky Ho SJ MB Mu Gu AA Pa Hn Lu PM Ap Tn Br Gn
Hr To Am Tw Kg MI? SB B: Ir Vl Ak Mc LQ Pi Wk Mw DU Ht.

19d 16h 16m A: Co Nu Le Kn Mo Me St Gt Ha Kv Ma Db Fū Hb Ty Od Mb Lg
Aq Tf Tk Md IK Eb Ci Tl Pe SF Ka Ks Tu Ky Ho MBMu Gu AA
Ap Tn Br Gn Tw - B: Lo Si Wi Ir Sw Ni Vl Fr Ak SM SJ Pa Mc
Hn PM LQ To Am Kg MI Wk DU Ht SB - C: Vi Hr - X: Lu Pi -
(si: Sr Mw) - D: 1.

29d 00h 22m A: Co Sr Nu Le Lo Si Kn Mo Me St Wn Wi Ni Gt Ha Kv Ma Db
Fū Hb Ty Od Mb Lg Aq Tf Tk Md IK Eb Ci Tl Fr SF Ka Tu Ky
Ho SJ MB Mu Gu AA Pa Mc PM Ap Tn Pi Gn Hr To Am Tw Kg
MI Wk Ht SB - B: Wi Ir Vl Vi Ak SM Hn LQ Br DU Mw - X: Ks
Lu - D: 1.

SEPTEMBER

02d 11h 58m A: Nu Lo St Ha Ma Db Fū Hb Ty Od Lg Tf Tk IK Ci SF Ks Ho
AA Tn - B: Kn Mo Wn Wi Sw Ni Vl Gt Kv Mb Aq Md Eb Tl Pe Ak
SM MB Mu Gu Ps Mc Hn Lu PM Ap Br Gn Hr Tw Mw - C: Co Le
Si Ir Vi Ka Tu Ky SJ Pi To Kg SB - X: LQ - (si: Me) - D: 7.

04d 02h 30m A: Co Me St Lg IK Ci Fr SF Tu Ho SJ Gu AA Ap Tn Am - B: Sr
Nu Si Kn Wn Sw Vl Ha Ma Db Fū Hb Od Aq Tf Md Eb Tl Ak SM
Ka Ks Ky Mb Mu Pa Mc Hn Lu Pm Br Gn To Tw Kg MI Ht SB
- C: Lo Mo Wi Ir Kv Vi Mb Tk Pe Pi Hr Wk - E: Mw - X: LQ -
(si: Gt Ty DU?) - D: 2.

22d 14h 04m A: Fū SF - B: Nu Lo? Mo St Ir Ha Db Ty Lg Tf Tk Md? IK? Tl
Ak SM Ks Mu Pa Mc Hn Lu Ap Tn Pi Tw - C: Me Wi Kv Vi Hb
Mb Aq Ci Fr Pe Ka Tu Ky SJ MB Hr To Am - X: Kn PM LQ Br
- (si: Wn Gt Ma Eb Ho AA - bs: Vl - cr: Le Sw - sfe: Od) - D: 13.

29d 08h 36m A: Nu Tn - B: Fū Od Lg Tf Tk IK Ak SM Mc Lu PM Ap Gn Am -
C: Lo Wn Wi Ir Gt Kv Ma Ty Mb Aq Ci Tl Pe SF Ka Ky Mu Pa
Hn Lq Pi Hr To - X: Mo - (si: Sw Ha Eb AA Br Tw) - D: 27.

OCTOBER

04d 14h 27m A: Ci - B: Nu St Sw Od Lg SM MB Hu LQ - C: Lo Mo Wn Ha Ma
Db Fū Hb Mb Tf Tk Md IK Tl Ak Ka Ky Mu Mc Lu Tn Tw SB -
X: Pi - (si: MI - b; Kv) - D: 38.

06d 02h 37m A: IK Ci Ks AA Am Mw - B: Nu Mo Ir Db Aq SM Mu Lu PM Hu
LQ Br To Ht SB - C: Lo Wn Sw Vl Gt Kv Ma Hb Tl Pe SF Ka Ky
Gu Pa Mc Hn Tn Hr - E: Co Sr Le Me St Gn Kg MI - X; Lg Pi -
(si: Ha Fū Ty Od Tk Md MB Ap Tw) - D: 14.

24d 14h 52m A: Co Nu Lo Si Kn Mo Me St Wn Sw Gt Ha Ma Db Vi Fū Hb Ty
Od Lg Tf Tk Md IK Eb Ci Tl Fr SM SF Ks Tu Ho SJ Mb Gu AA
AA Pa Hn Lu Ap Tn Br Pi Gn To Am DU Ht SB - B: Sr Le Wi
Ir Ni Vl Kv Aq Pe Ak Ka Ky Mc PM Hu LQ Hr Kg MI Wk Mw -
X: Tw - (si: Mu) - D: 1.

NOVEMBER

10d 07h 18m A: Co Tf Tk Ak AA Ap Tn Gn To Am Tw - B: Sr Nu Si Kn Me St
Wn Ha Db Fū Ty Od Lg IK Tl SM Ks Mu Pa Hn PM Hu LQ Br Pi
MI SB - C: Le Wi Kv Ma Vi Hb Mb Aq Md Ci Pe SF Ka Ky MB
Mc Hr DU Mw Ht - X: Lo Ir Lu - (si: Mo Vl Gt Fr Tu Ho SJ Gu
Wk - cr: Sw) - D: 2.

11d 00h 34m A: IK Ci SF Ap Tn Tw - B: Nu Mo Me St Wi Ha Db Fū Od Lg Tf
Fr Ak SM Tu SJ Mu AA Pa Mc Lu Hu Lq Pi Gn Am Kg Ht SB -
C: Le Lo Wn Ir Gt Kv Ma Vi Hb Mb Aq Tk Tl Pe Ka Ky MB PM
Br Hr To MI - X: Ks Hn - (si: Si Ty Md Eb Ho Wk - cr: Sw?) - D: 8.

12d 13h 49m A: Co Sr Nu Le Lo Kn Mo Me St Wn Wi Gt Ha Ma Db Vi Fū Hb
Od Mb Lg Aq Tf Tk Md IK Ci Tl Fr SM SF Ka Ks Tu Ky Ho MB
Mu Gu AA Mc Ap Tn Br Pi Gn To Am Tw Kg Ht SB - B: Wi Sw

TABLE 1 STORM SUDDEN COMMENCEMENTS (S. S. C. 'S) 1960 - continued

(NOVEMBER)

Ir V1 Kv Ty Eb Pe Pa Lu PM Hu LQ Hr MI Wk DU Mw - X: Hn
- (si: SJ) - D: 1.

12d 18h 45m A: Ir? Ma Fū Hb Aq Tf SM Mu AA Ap Gn To Am Tw Ht - B: Db
Lg Mc PM LQ Br Pi Hr - C: Lo V1 Vi? Kv Fr Ak MB Pa SB -
E: Co Sr Nu Le Si Mo St Ty Tl Ho Tn Kg MI DU - X: Hn - (si :
Wn Ha Od Mb Tk Md IK Pe Ka Ks Ky SJ Gu Mw) - D: 13.

15d 13h 04m A: Nu Le Mo Me St Wn Sw Gt Ha Ma Bd Fū Hb Mb Lg Tf Tk IK
Ci Tl Fr SM SF Ks Tu Ky Ho SJ Gu Tn Br Am MI Ht SB - B: Lo
Si Wi Ir Ni V1 Vi Aq Md Eb Ak Ka MB Mu Mc Hn Lu PMHu Ap
LQ Pi Gn Hr To Tw Kg Wk Mw DU - C: Pe Pa - E: Co -X:KvAA
- (si: Sr Ty Od) - D: 1.

21d 06h 31m A: Nu St Tf Tk Ci SF AA Ap Tn Ht - B: Sr Mo Me Wn Wi Ir Sw
Ni V1 Gt Ma Db Fū Od Lg Aq Md IK Ak SM Ks Ho Gu Pa Mc Hn
Lu PM Hu LQ Br Pi Gn Hr To Am Tw Kg - C: Le Lo Si Kv Hb Ty
Mb Eb Tl Fr Pe Ka Ky MB Mu - E: Co MI DU Mw - X: Kn/- (si:
Ha? Wk) - D: 4.

24d 12h 32m B: Ir/ Ha Fū Od Lg Ak AA Lu Hu LQ Pi - C: Nu Lo Me Wn Wi Gt
V1 Ma Db Hb Mb Tf Tk Md IK Eb Tl SM Ka Ky MB Mu Pa Mc Hn
PM Ap Tn Br Gn Hr To Am Tw SB - (si: Ks - b: Pe?) - D: 25.

30d 19h 09m A: Co Nu Si Kn Mo Me St Wn Wi Gt Ha Kv Ma Db Vi Fū Hb Ty
Od Lg Aq Tf Tk Md IK Eb Ci Tl Fr Ak SM SF Ks Ky Ho SJ Gu
AA Mc Lu LQ Tn Br Pi Gn To T w DU Ht SB - B: Sr Le Lo Ir
Sw Ni V1 Mb Pe Ka Tu MB Mu Pa Hn PM Hu Hr Kg MI Wk - X:
Ap Am - D: 1.

30d 23h 58m A: Mo Me St Sw Fū Hb IK Ci SF Mu AA Lu Ap Gn Am Tw SB - X: Wi
Ir Kv Db Vi Lg Tf Tl Ak Pa Mc PM Hu Tn Br Pi - C: Co Le Lo Si V1
Gt Ma Pe Ks Tu MB Hr - E: Nu Kg DU - X: Sr SM Hn LQ To MI Ht -
(si: Wn? Ha Ty Od Aq Mb Tk Md Eb Fr Ka Ky SJ Wk - bs: Kn) - D: 4.

DECEMBER

07d 18h 04m A: Nu Lo Si St Wn Ha Ma Db Fū Ty Od LLg IK Ci Fr Ak SM SF
Tu Ho Gu Lu Lq Tn Pi Tw Ht SB - B: Co Le Mo Wi Ir Sw Ni V1
Gt Kv Hb Mb Aq Tf Eb Tl Pe SJ MB Mu Pa Mc Hn PMHu Ap Br
Hr To Am Kg Wk DU - C: Vi Tk Ka Ky Mw - X: Me Gn - (si: Sr
AA? MI) - D: 2.

18d 05h 14m A: AA - B: Nu Mo Db Fū? Lg Tf IK SM Ks Mc Hn Lu Hu Ap Tn
Br Pi To Am - C: Lo Le St Wn Wi Ir Sw V1 Kv Ma Hb Ty Mb Aq
Tk Md Ci Tl Pe Ak SF Ka Ky MB Mu PM LQ Hr Kg MI Ht SB -
(si: Gt Ha? Od Tw Wk DU Mw) - D: 15.

25d 20h 02m A: Me Ha Ma Fū Ty Lg Tf IK Tl Fr SF Lu Tn Tw Ht SB - B: Co
Nu Le Lo Si Kn Mo St Wn Wi Ir Ni V1 Gt Kv Db Aq Md Ak Tu Ho
Mu AA Mc Hn PM Hu Ap Lq Pi Gn Hr To Am Kg DU - C: Sr Mb
Ci Ka Ky SJ MB MI Wk Mw - (si: Vi Hb Tk Eb Pe? SM Ks? Gu Pa
Br - cr: Sw Od).

TABLE 2a BAYS AND PULSATIONS 1960

Commencements of bays or pulsational disturbances associated with bays. When pulsations are reported predominantly as pg the time is followed by an asterisk. Stations where appeared other kinds of disturbances are included in parentheses. The letter Y means that the nature of the bay or pulsation was not specified.

Note. It is not quite certain that the list of bays and pulsational disturbances is complete, as it may be that a bay or train of pulsations has been selected by the observatories out of a great many similar disturbances which all occurred on the same day. It therefore seems better not to use this list for statistical purposes without caution.

JANUARY

02d 18h 29m	b: C: Pe - bp: B: Sr Kn Ir IK Mu PM Gn; C: Kv Mb Aq Md Ka Ky AA To - pt: B: Lo Wn Tf Am Tw Wk; C: Gt Fū Tk - Y: B: SM; C: Nu Od Ak - X: DU.
03d 23h 48m	b: C: Pe - bp: A: Ha; B: Wi Fū Od Lg ÍK Tl Tn ; C: Kv Hb Mc Mw - pt: A: Aq Md Eb MB; B: Wn Ni Vl Gt Ma Db Tf Ci Pa PM Hr Am Tw; C: Mb Tk Ka Ky - Y: B: Nu Lo SF; C: St Sw - X: SM Hn Gn MI.
04d 22h 20m	bp: C: Kv - pt: A: Sr St Wn Ha Ma Od Lg Tf Md Eb Tl Ht; B: Nu Le Lo Wi Ir Ni Vl Gt Db Fū Hb Ty Aq Tk IK Ci Pe Ak SM MB Mu AA Hn Lu Hu Tn Hr Tw Kg Mw; C: Me Tu Gu Mc Wk - E: Sw Am.
06d 14h 54m	b: C: Br - bp: B: Hn; C: Sr Mb Ka Ky PM - bps: B: To - pt: B: Wi Gn - Y: B: SM SF; C: Ir Mu - X: DU.
11d 13h 46m	b: B: Hn Pm; C: Wn Kv - bs: B: Br - bp: B: Ir Hb Ty IK Ka Ky Mu Wk Mw; C: Mb - bps: A: Kn Mo - pt: B: Wi Tw SB - Y: A: Nu; B: Lo Ak SM Ks; C: Si Sw Gt Ha Od Lg Tf Ci Gu Ap - E: Me Ma Db Fū Aq Md Eb SF To - X: Pe MI.
12d 20h 53m	b: A: Ty Pe; B: Sw Db Lg Hu Ap Ht; C: Br - bs: A: Nu Hb Tl SF; B: Ir MB? - bp: A: Kn Kv Ma Aq Tf Eb Mc? Lu; B: Mo Ni Fū Tk Hr Wk; C: Mb Ka Ky - bps: A: St Wn Wi Gt Ha Od Md IK SM AA; B: Vl Tw Mw - Y: A: Tn; B: Lo Ci Ak; C: Le Mu - X: Gn.
15d 15h 12m	b: A: Ty Br; B: Ha Ma Od Aq Tk Pe; C: Fū MB? Mc - bp: A: Sr Kn Mb Ka Ky Mu; B: Mo Kv Hb Lg Eb Gu Hn PM; C: Lu - bps: A: Ir IK; B: To - pt: B: Tf Tw - Y: B: SF; C: Co Si Sw Gt Db SM - E: Me Md - X: Gn.
17d 12h 26m	b: A: Ty Pe Ap Br; B: Kv MB Mc? PM Hr; C: Hn - bs: B: AA To - bp: A: Ha Lg Mu Tw; B: Ir Vl Ma Fū Hb Od IK Mw; C: Mo Mb Eb Ka Ky - Y: A: Tf; B: Me Ak; C: Nu Lo Wn Sw Gt Db Tk Md Ci Tl Tu Pa Am - E: St Wi Aq SF SJ - X: Gn - (ssc: SM Lu).
20d 10h 56m	b: A: Si; B: Ir Hm; C: Kv Pe - bp: B: Sr Mo Ha Hb Od Mb Lg Ka Tu Ky PM To Mw; C: Vi - bps: B: Mu - pt: B: Wi Ht SB - Y: B: Ak Ks; C: Nu Me Sw Gt Ma Db IK SM Ho SJ AA Ap - E: Co Wn Fū Tf Md SF Mc Br Tw - X: Pa Gn.
21d 01h 20m	b: A: Ty Eb Pe; B: Sw Hu - bp: A: Kv Fū Aq IK MB; B: Ir Lg Tk Tl Tu Pa PM Hr Ht; C: Hn To - bps: A: Kn St Wn Wi Ni Gt Ha Ma Db Hb Md SM Tw; B: Mo Vl Mw - pt: A: Ap; B: Am - Y: A: Nu Tf SF; B: Lo Me Ak Ks; C: Ci Mu Tn - E: Vi Mb Ka Ky SJ Mc Br Wk - X: Gn DU - (si: Le Od).
21d 11h 22m	b: B: Ha Hn; C: Kv Pe - bs: A: Sr Si - bp: A: Ir Mb Ka Ky; B: Od Lg Tk Tu Mu PM Wk; C: Hb - bps: B: Mo To - pt: A: Ap; B: Gn - Y: A: Br; B: Ak Ks; C: Sw Gt Ha Db Tf IK SM Gu - E: Co Le Me St Wn Wi Vi Fū Aq Md SF MB AA Pa MI Mw.
21d 19h 26m	b: A: Ty Pe; B: Sw MB; C: Mc - bs: A: Nu Kn Hb; B: Ir - bp: A: Kv Fū Aq IK Eb Hr; B: Lg Tk Tl Lu Tw Kg - bps: A: Mo St Wi Ni Gt Ha Ma Db Od Md AA; B: Wn Vl - pt: B: Ht - Y: A: Tf Ak Tn; B: Lo SM; C: Le Ci Mu Br - E: Co Me Vi Mb SF Ka Ky To MI SB - X: Ap.
22d 10h 23m	b: A: Ap; B: Ir Ma Tu Ho; C: Kv Pe Pe - bs: B: Vi - bp: A: Sr Si; B: Od Mb Ka Ky; C: PM To - bps: B: Am - Y: B: Me Db Ks; C: Nu Wn Sw Gt Kv IK Tl SM Mu Br - E: Co St Fū Tf Tk Md - X: SF Kg.

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(JANUARY)

- 27d 00h 44m b: A: SF; B: Ma Ci; C: PM - bs: B; Pe - bp: A; Gt Lg IK Tl - B; Mo Wn Wi Sw Db Fū Hb Od Aq Eb Mc; C: Kv MB Mw - bps: A; Ha SM B: Vl Md Eb AA - pt: B: Tf - Y: B: Nu Lo; C: Le Me St Ak Tu Mu - X: Kg SB.
- 29d 22h 05m bp: A: IK Tw; B: Fū AA; C: Kv - pt: A: Nu Wn Gt Ha Ma Aq Md IK IK Eb Ap; B: St Wi Db Tf Tl MB Mc Hn PM Tn Gn Hr Am Mw; C: Hb Mb Tk Ka Ky - Y: B: Lo SM; C: Le Me Ci Ak - X: Kg SB.

FEBRUARY

- 01d 03h 45m b: C: Fū - bp: B: Mw; C: PM - pt: A: MB Ap Am Tw; B: Ha Tf IK Hn Hu Gn; C: Mc - Y: B: SM; C: Me Wn Mu Ht - X: Ks Pa Kg.
- 01d 15h 47m b: B: PM - bp: B: Mb Lg Ka Ky Mu Hn Gn To - pt: A: Tf; C: Tk Tw - Y: C: Nu Me Ir Gt Ha Ma Od IK Pe SM Tu AA - E: Md MB? - X: Kg.
- 03d 12h 10m b: C: MI - bp: B: Si Gn To Am; C: Vi DU - bps: A: Co - pt: A: Ap; B: Tf Mu Hn; C: Mb Ka Ky PM Tw - Y: B: Ak SM; C: Me Sw Ha IK Fr Pe Tu AA - E: Lo Db Fū Md MB? Mw - X: Lg Kg.
- 03 22h 24m bs: C: Hb - bp: A: Fū Tl; B: Ma Od AA; C: Le Wi Mb Eb Ka Ky Hr - bps: B: Ha - pt: A: Nu Wn Tf Md Am Tw; B: Vl Gt Aq Ap Gn; C: PM Mw - Y: B: Lo Me Ty SM Ks; C: Sw IK Ci Pe SF - E: Db - X: Lg Kg DU.
- 03d 22h 46m b: B: Ht - bs: A: Pe; B: Hb; C: PM - bp: A: Nu IK Eb; B: Kn Wn Wi Ma Tl Mc Lu; C: Mo Tw - bps: A: MB AA; B: Vl Od Aq Md Hr Mw - pt: A: Tf Ap; B: Ni Gt Pa Hu Gn - Y: A: SF; B: Lo Me Ty Ci SM Ks; C: Le Sw Fr Ak Tu Mu - E: Db - X: Lg Kg DU.
- 04 17h 07m b: A: Co; C: Ht - bs: C: Hb - bp: A: Kn Mu; B: Sr Ir Hn Gn To; C: Mb Ka Ky P= Tw - pt: C: Tk - Y: B: Me SM Br; C: Ha Od Md Pe Tu AA - X: Kg.
- 04d 18h 59m b: A: Pe; B: Wk - bp: A: Lg IK; B: Kn Mo St Wn Vl Gt Ha Fū Aq Md Mc Lu Gn Hr; C: Mb En Ka Ky - bps: A: Nu; B: Hb Od Mw - pt: B: Wi Ma Hn Am; C: MB PM - Y: B: Db Ak SM Ks; C: Le Lo Me Sw Tf Tl SF Mu Tn - X: Kg.
- 08d 11h 46m bs: A: Co; B: MI - bp: A: Am; B: Si Kn Ir Lg Ap To; C: Vi Mb Ka Ky - pt: A: Tf Gn; B: Ha Aq Hn PM Hu Hr SB - pg: A: Mu - Y: B: Me Ak SM; C: Sw Gt Ty Od Pe Tu Gu Br - E: Fū Md - X: Kg.
- 09d 00h 19m bp: A: St; B: Vl - pt: A: Ma; B: Wn Wi Ni Ha Fū Ty Aq Tf Md Eb Tl Hn Ap Hr; C: Ci MB PM - Y: B: Nu Lo Me Db; C: Gt SM - X: Kg SB.
- 09d 01h 04m b: A: Pe; B: Tn Ht; C: Vl - bp: B: Wi Gt Ma Db Fū Hb Ty Od Lg Aq Md IK Eb Tl Lu Hu Mw; C: Wn Mc PM - bps: B: Ha Pe Mu; C: MB - pt: A: Ap Am; B: Hr; C: Tw MI - Y: B: Lo Me Ci SM SF; C: Le Sw Tf Ak AA - X: Kg - (si: SB).
- 09d 01h 56m bps: B: Db - pt: A: Tu SJ Mu Ap Tw SB; B: Gt Ha Fū Od Md IK Eb Ci Tl SM MB Pa Hn Lu PM Hu Hr Wk; C: Nu Lo Me Wn Wi Ir Vl Ty Mb Aq Ka Ky Mc - E: Sw - X: Le Lg Ak Kg.
- 12d 01h 05m b: B: Pe Tn; C: Tk - bp: A: Wn Ma Md IK AA; B: Sw Ni Gt Db Fū Hb Ty Lg Tf Eb Tl Mw; C: Mo - bps: A: St Ha Od; B: Wi Vl Aq; C: Le - pt: A: Ap; B: Pa Hr Tw; C: MB PM - Y: A: Nu; B: Me Ci Ak SM; C: Lo Mu Mc - X: Kg DU.
- 13d 20h 58m b: A: Pe; B: Tn; C: To - bs: A: Ks - bp: A: Fū Tf Tk IK AA Gn; B: Kn Mo Ir Ma Ty Od Lg Md Hr Mw; C: Wi Hb Mb Ka Ky Mc - bps: A: Ha - pt: B: Wn Ni Aq MB Ap Tw; C: PM Wk - Y: A: Nu; B: Lo Db Ci Ak; C: Le Me Sw Gt Tl SM Mu - E: St Eb - X: Br Am Kg Ht.
- 14d 19h 44m b: A: Lo Gn; B: Sw Tu Pa; C: Hn - bs: A: Nu Pe SF Ks; B: Hb; C: Hu - bp: A: St Gt Ha Ma Db Fū Ty Aq Tf Tk Md IK Tl Mu Hr; B: Sr Mb Lg Ka Ty Tw Wk; C: PM To - bps: A: Kn Mo Wi Ir Vl Od Eb AA; B: Wn Ni; C: Le - pt: A: SB - Y: Lo Ak Tn; B: Ci SM; C: Fr - X: Br Kg Ht.

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(FEBRUARY)

15d 13h 21m	b; B: Od - bs: A: Co - bp: A: Am; B: Sr Si Ir To; C: Vi Mb Ka Ky- pt: A: Ap; B: Wi Tf Mu Hn PM Tw; C: Ha Aq Md MB - Y: B: SM - C: Me Sw IK Ak Tu - X: Kg Ht - (si: MI).
15d 16h 29m	b: A: IK Pe; B: Sw Gt Fū Hb Od Aq Md PM; C: Wn Hr - bp: A: Kn Mo Mu; B: Ir Ma Mb Ka Ky Gn; C: Tk - bps: A: Co - pt: B: Wi; C: Ha Tf - Y: B: Db Ak; C: Le Lo Si Me SM Tu AA Mc Br - X: Hn Tw Kg Ht.
16d 01h 29m	b: A: Pe; B: Tn - bs: MB - bp: A: St Wn Wi Gt Ma Db Fū Ty Lg Md IK Ci Tl SF; B: Mo Sw Ni Hb Od AA Mc Lu Mw; C: Mb Ka Ky - bps: A: Vl Ha Eb; B: Le Aq Hr - pt: Tf Hn; C: PM - Y: Y: A: Nu SM B: Lo; C: Me Tu - X: Tw Kg Ht.
18d 17h 59m	b: A: Fū Pe; B: Si Sw Ma Lg; C: Wn Vl MB? Mc Hr MI - bp: A: Kn IK; B: Wi Ir Ha Db Aq Tk Md Mu Tw Mw; C: Hb Mb Eb Ka Ky - bps: A: Co; B: Mo Od - pt: A: Tf - Y: A: Nu; B: Ak SM; C: Le Lo Me Gt Ty Ci Tu SJ AA - E: St PM SB - X: Br Kg Ht.
19d 17h 25m	b: A: Pe; B: Ma MI; C: MB - bp: A: Gt Fū Lg IK Mu; B: Sr Wn Wi Vl Aq Tk Md Tl To Wk; C: Eb Hr - bps: A: Nu Kn Ha Hb Od Tw; B: Mo - pt: A: SB; B: Mb Ka Ky Pa PM Ap Am Ht - Y: B: Lo Db Tf Ak; C: Me Ir Sw Ty Ci Fr SM Tu AA Tn Br - E: St SF - X: Kg DU Mw.
20d 16h 09m	b: A: Nu Hb Tk Pe; B: Wn Ir Sw Ma Fū; C: MB - bp: A: Mo; B: Wi Gt Ha Db Lg Aq Md IK Eb Mu Hn Gn To; C: Ty Mb Ka Mc Wk - bps: A: Kn - pt: B: Pa PM Ap Am - Y: B: Tf Ak SM Ks; C: Le Lo St Od Ci Tl Tu SJ Tn Br - E: Me - X: Kg DU Ht.
20d 22h 09m	b: A: Pe; B: Sw - bp: A: Kn Ma Ty Lg IK AA; B: Mo St Wn Vl Gt Fū Hb Aq Md Eb Tl; C: Tk - bps: A: Ha Od; B: Wi - pt: B: Ni Nu Hr C: MB Mw - Y: A: Nu; B: Lo Db Ci SM Ks; C: Le Tf Ak Mc - E: Me - X: Hn Kg DU Ht.
21d 16h 13m	b: A: Wn Fū Md; B: Sw Ni Ma Aq Tk Tl Hr - bp: A: Kn Mo Ha Hb Ty Tf; B: Wi Vl Gt Db Lg IK Eb Mu Tw; C: Wk - bps: A: St Od; B: Le - pt: B: Ht; C: Md Ka Ky PM - Y: A: Nu Ak; B: SM; C: Ir Ci Tu SJ Mc Tn - E: Co Lo Me MI - X: SF Kg DU.
22d 19h 51m	b: A: Sw Tk Pe; B: Tn; C: MB? - bp: A: St Gt Ha Fū Hb Tf Md IK; B: Le Mo Wn Wi Ni Vl Ma Db Ty Lg Aq Eb Tl AA Hr Wk Mw; C: Mb Ka Ky - bps: A: Nu Od - pt: B: PM SB - Y: B: Lo Ak; C: Me Ci SM SF Mu - X: Am Kg.
23d 16h 09m	b: A: Co Fū Od Aq Md Pe; B: Wi Sw Ni Gt Ma IK Tk Hr Mi; C: Wn MB? Mc - bp: A: Kn Ha Ty IK Mu; B: Sr Le Db Hb Md Lg Ka Ky Hn PM Tw Wk Mw; C: Eb Lu To - bps: A: Mo Ir; B: Gn - Y: A: Nu; B: Lo Tf Ci Ak SM SF Ks; C: Me Tl Tu AA - X: Kg.
24d 04h 24m	b: B: Pe; C: Fū - bp: A: Tw; B: Ha Od Tl Tu SJ Mu AA Hu SB; C: Vi Hb Eb Pa - bps: B: Fr - pt: A: Ap Am; B: Hn PM; C: Mb Ka Ky MB Hr - Y: B: SM; C: Me St Wn Gt Ma Db IK Ci Ak - X: Kg.
25d 07h 15m	bp: C: Vi - pt: A: Mu Ap Am Tw; B: Si Me Ha Od Lg Tf Fr Ak Ho AA Hn Lu PM Hu Hr To Ht; C: Lo St Ir Gt Mb Md IK SM Ka Ky MB Pa Mc MI - E: Sw Ci - X: Aq Kg SB.
25d 21h 20m	bp: A: Ha - bps: B: Db - pt: A: Me Gt Ma Od Tf Md IK Tl Tu Lu Ap Hr Tw; B: Sr Nu St Wn Wi Ni Fū Hb Aq Tk Eb Ak Mu AA Pa Mc Hn Hu Tn; C: Le Lo Mb SM Ka Ky PM Mw - E: Sw Ci Am - X: Ty Lg Kg SB.
27d 02h 14m	b: B: Co Pe - bp: B: Wi Gt Ha Fū Ty Od Lg Tl Mu Mc; C: Hb - pt: A: Am; B: Ma Aq - Y: B: Db SM Ks; C: Nu Me Sw Tf Ci Ak SF AA Tn - E: Lo St Eb Br - X: Hn Kg - (si: IK).
29d 00h 33m	bp: A: Ha Ty IK Tn; B: St Wi Fū Od Lg Aq Md Eb Mc Lu Mw; C: Hb - pt: A: Gt Ma MB Ap Tw; B: Nu Wn Ni Vl Ci Tl Mu Pa Hn PM Hu Hr Am Ht; C: Mb Ka Ky - Y: A: SF; B: Lo Db Ak SM; C: Me Sw Tf Br - E: AA - X: Pe Kg.
29d 01h 53m	bp: A: Tw; B: Wi Sw Ha Fū Hb Lg Aq Md Tl Fr Mc; C: Wn Eb - pt:

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(FEBRUARY)

A: Gt Ma Ty MB Ap Am; B: Nu IK Pa Hn PM Hu Hr Ht SB; C: Mb Ka Ky Gn - pg; A: Mu - Y; B: Lo Db Ci SM; C: Le Me Od Tf Tu SJ AA - X: Pe Kg.

MARCH

- 02d 01h 34m b: A: Nu Pe; B: Tu Tn; C: Br - bp: A: St Ma Fū Hb Ty Aq Md IK Eb SM SF AA Lu; B: Le Mo Wn Wi Sw Ni V1 Gt Kv Mu Mc Hr; C: Mb Tk Ka Ky Pa - bps: A: Ha Od T1 MB; B: Mw - pt: A: LQ Tw; B: Hu Ht; C: Gn - Y: A: Tf Ks; B: Lo Db Ci Ak; C: Me Fr SJ-X; Kg Wk.
- 02d 08h 13m b: B: Ir Ma Od IK Fr Mu Br; C: Wn Kv Aq Md Hn - bs: A: Co-bp: B: Mo Lg Tu Hu To Tw; C: Vi Hb, Mb Tk Ka Ky Mw - bps: A: Am - pt: B: Ap Ht; C: Ha Gn - Y: B: Tf Ak SM; C: Si Me Sw Gt Ty Ci SJ Mc PM - E: Hr - X: Db SF Lu Kg Wk.
- 02d 11h 57m b: A: Br MI; B: Tu; C: Wi Kv - bp: A: Si Ap; B: Kn Ir Ty Mb Lg Ka Ky Mu Hn PM To; C: Vi Hb - bps: A: Co Sr Od Am - pt: C: Gn - Y: B: Ak SM SF; C: Me Sw Gt Ha Ma Tf IK Ci Fr AA - E: Fū Md Hr - X: Pa Lq Kg Wk.
- 02d 21h 57m b: A: Pe; B: Sw Mu Tn - bs: A: Ks - bp: A: Kv Ma Fū Hb Lg Tk IK AA Lu; B: Kn Ir Ty Eb Mc - bps: A: Gt Ha Od Md; B: Mo Wn Wi Ni Db Aq Hr Mw - pt: A: Ht; B: V1 T1 Hu Am; C: MB? Gn Tw - Y: A: Nu Tf Ak SF; B: Lo SM; C: Me Ci Tu Br - X: Pa Kg.
- 03d 22h 44m b: B: V1; C: Tn - bp: A: Lg; B: St Kv T1; C: Mb Eb Ka Ky - bps: B: Ha - pt: A: Nu Ht; B: Wn Ni Gt Ma Db Fū Ty Aq Md Hr; C: Mw - Y: A: Tf; B: Lo SF; C: Me Sw IK Ak SM Tu - X: Gu Pa Hn Kg SB.
- 03d 23h 03m b: A: Ci Pe; B: Hb; C: Tn Mc - bp: A: Nu Fū Ty Lg IK; B: Kn Mo Sw T1 AA Lu; C: Eb Hr Wk - bps: A: Gt Ma Od; B: Wn Wi V1 Db Aq Md Mw - pt: A: Ht; B: Am - Y: B: Lo Ak SM SF; C: Me Ir Tu - X: Gu Pa Kg SB - (si: Le).
- 04d 14h 16m b: A: Si Ap Br; B: Ir Ha Kv Od Aq Am - bp: A: Mb Ka Ky Mu Gu Gn; B: Sr Lg Tk PM To Wk DU Mw; C: Hb - bps: A: Co Kn Mo - pt: B: Wi Pa; C: Wn - Y: B: Db Ak; C: Gt Ty Tf IK SM SF Tu Tn - E: Me Fū Md LQ MI - X: Pe Kg.
- 04d 29h 59m b: A: Tn; B: Sw Ir Tw - bs: A: Ma Pe; B: SM Ks - bp: A: Ty Lg IK AA; B: Nu Mo Wn V1 Gt Kv Fū Hb Tk Md Eb T1 Mc Lu Hr Wk; C: Mb Ka Ky MB? - bps: A: Ha Od; B: Kn Wi Aq Mw - pt: B: Mu - Y: A: Tf; B: Lo Db Ci Ak; C: Le SF Tu SJ - E: Me St - X: LQ Kg SB.
- 05d 06h 57m b: B: Od Lg SJ; C: To - bs: B: Fr; C: Wn - bp: A: Tw; B: Ha Tu Hu LQ Am; C: Mb Ka Ky - bps: B: Vi - pt: B: Mu Ap Ht - Y: B: Ak SM C: Ci Si Me Gt Ma IK Ci Br - X: Pe Mc Kg SB.
- 05d 13h 47m b: B: Co Ir Od MB Br Ht; C: Kv Mc - bp: A: Gn; B: Hb Lg Tk Mu To Am - bps: A: Sr; C: Mo - Y: B: Me Ak SM; C: Nu Ha Ma Db Tf IK Ci Fr Pe PM - E: Wn Fū Md SF - X: LQ Kg SB.
- 07d 14h 05m bp: C: Mb Ka Ky - pt: A: Sr Mu; B: Si Wi Ir Db Od Lg Aq IK SM Gu Pa Hn Lu PM Hu Am Tw DU; C: Me Kv Tf Md Eb Tu AA Mc LQ Hr To - E: Sw - X: Kg.
- 07d 20h 37m b: A: Ht - bp: B: Lg; C: Kn - pt: A: Gt Od Tf; B: Nu Lo Wn Wi Ni Ha Kv Ma Db Fū Aq Md IK Eb? T1 Tn Hr - Y: B: SM; C: Ak - E: MB - X: Kg - (si: SB - cr: Am - sfe: Hu LQ Tw).
- 08d 03h 09m bp: A: Tw; B: Lg Mu Mc Hn; C: Mb T1 Ka Ky Mw - bps: Hu - pt: A: Od SM; B: St Wn Gt Kv Db Fū Aq IK Eb MB Mu Pa Ap LQ Hr SB; C: Nu Md PM - Y: C: Lo Me Tf Ci Pe Ak SJ AA Tn Am - X: Ty Gu Kg.
- 11d 01h 07m b: B: V1 Pe; C: Kv - bp: A: Lg; B: Wn Wi Sw Fū Aq IK? T1 SF Mc C: Mo Kv Hb Md Lu - bps: A: Sr Kn Ha; B: Gt AA - pt: A: Gn; B: Tf Eb Hr Am Ht; C: PM - Y: B: Nu Lo Ma Db; C: Le St Ty Od Ci Mu - E: Tk LQ Br DU - X: Kg - (ssc: SM?).
- 11d 11h 07m b: B: Tu; C: Kv Pe - bs: B: Mo Hu - bp: A: Si Mb Ka Mu Gu Ap To Tw; B: Ir Ha Od Lg Ky Hn Wk DU; C: Vi - bps: A: Gn Am; B: Hb

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(MARCH)

	pt; A: Ht; B: SB; C: PM - Y: A; BR; B: Ma Ty Tf Ak; C: Nu Le Lo Sw Gt IK Ci Fr SM SJ - E: Co Me Wn Wi Db Fū AqMd SFAA Pa Tn LQ Hr Mw - X: Kg.
11d 20h 07m	b: B: Sw Od Pe - bp: A: Nu Wn Gt Ma; B: Mo St Vl Fū Hb Lg Aq? IK Eb AA Ht; C: Kv Md Mc Lu - bps: A: Ha; B: Wi - pt: A: SB; B: Gn Hr - Y: B: Lo Db; C: Le Ty Tf Ci Tl Ak SM Ks - E: Co Me SF LQ Am - X: Kg.
11d 23h 04m	b: B: Pe - bp: A: Wn Gt Ma Lg IK; B: St Wi Sw Fū Hb Od Aq Md Eb AA Mc Mw; C: Kv Hr - bps: A: Vl Ha Tl; B: Le Mo Db - pt: A: Ap Ht SB; B: Pa Hn Gn; C: Mb Ka Ky MB - Y: A: SM SF; B: Lo Nu Ci; C: Ks Br - E: Me LQ Am - X: Kg.
13d 17h 48m	b: A: Pe; B: Vl; C: MB? - bp: A: Kn; B: Mo Ir Gt Ha Ma Fū Hb Od Lg Md IK; C: Wi Kv Tk Pa Mc Lu To - bps: B: Gn - pt: B: Wn Mb Aq Eb Ka Ky PM Ap Hr Am Wk - pg: A: Mu - Y: B: Nu Lo Tf SM C: Me Sw Db Ty Ci Ak Tn - E: LQ - X: Kg Ht.
14d 09h 08m	b: A: Ap; B: Si Ir Tu - bp: A: Am Ht; B: Sr Lg To; C: Mb Ka Ky - bps: A: Co; C: Vi - pt: A: Tf Tw; B: Hu; C: PM LQ - Y: A: Me; B: Ak SM; C: Fr Br - X: Eb Kg.
18d 05h 34m	b: B: Ir Od Pa Hn Br To; C: Wn - bp: A: Sr SJ Mu Tw Ht; B: Vi Mb Lg Ka Ky Hu Gn Mw; C: Hb Tk Eb Hr - bps: B: Tu - pt: B: Am SB - Y: A: Me; B: Ak SM; C: Co Sw Ty Tf IK Ci Pe AA PM-E: Fū Md Tn Wk - X: Kg.
18d 22h 21m	b: A: Pe; B: Sw Ap - bp: A: St; B: Ma Hb Od Lg Aq Md Eb Tl Tn Hr C: Mb Ka Ky - bps: A: Ha; B: Le - pt: A: Nu; B: Wn Db Hu; C: MB - Y: A: SF; B: Lo Me SM; C: Gt IK Tu AA PM Br SB - X: Mo Kv Ty Kg.
18d 22h 41m	bs: B: Mw - bp: A: Lg Md IK Tl SM Tw; B: Sr Kn Wi Fl Gt Fū SF AA Mc; C: Wn Hb Lu - bps: B: Db - pt: A: Ap; B: Aq Md Hn Hu Am Ht; C: PM LQ - E: Hr - Y: A: Nu; B: Me Tf Ci Ak; C: Le Ir Sw SJ Br - X: Mo Kv Ty Kg SB.
21d 12h 37m	b: A: Si Br; B: Ho; C: Kv - bs: B: MI - bp: A: Kn Mb Ka Ky Mu Gu Ap Gn; B: Ir Vi Od Lg Tk Hn PM To Wk - bps: A: Co Sr DU; B: Mo - pt: A: Am; B: Ht - Y: B: Ak; C: Lo Me Sw Vl Gt Ha Fū Hb Ty Tf IK Ci SM Ks Tu SJ - E: Md - X: LQ.
22d 12h 40m	b: B: Co Br - bp: A: Am; B: Sr Ir Mb Ka Ky Mu Gu Hn PM Ap Gn To DU; C: Vi Wk - pt: B: SB - Y: B: Me; C: Lg Ci Ak SM Hr-E: Lo Md - X: LQ.
22d 23h 56m	b: A: Pe; B: Sw - bp: A: Md IK; B: Wn Vl Fū Lg Aq? Eb Tn Mc; C: Wi Kv Hb MB Lu PM Mw - bps: B: Ha - pt: A: Gt Ap LQ Am Tw; B: St Od Tl Pa Hn Hu Wk - Y: B: Nu Lo Db C i SM; C: Le Me Ma SF SJ AA Br Hr - X: Ty TO MI SB.
23d 21h 42m	bp: A: St Ha; B: Fū Od Lg Tn; C: Kv - bps: B: Mw - pt: A: Wn Gt Ma Hb Aq Md IK MB Ap LQ; B: Nu Wi Ni Vl Db Tk Eb Tl Pa Gn Tw Ht SB; C: Mb Ka Ky - pg: B: AA - Y: A: SM Ks; B: Lo Ak SF; C: Le Me Sw Tf - X: Ty Pe Am - (si: Hr?).
25d 23h 29m	b: A: Pe SF; B: Tn - bp: A: Kn St Wn Gt Ha Ma Db Fū Hb Ty Od Lg Md IK Ci Tl; B: Mo Ir Sw Ni Vl Aq Eb MB AA Hr Tw; C: Tk Mc Lu - bps: B: Le Wi Mw - pt: A: Ap SB; C: Mb Ka Ky PM Gn - Y: A: Nu Tf; B: Lo Ak SM; C: Ks Tu - X: Kv LQ.
26d 08h 19m	b: B: Pe SJ - bp: A: Tw Ht SB; B: Co Ir Lg Tu Pa Hu; C: Vi To - bps: B: Fr - pt: A: Tf Ap Am; B: LQ; C: Mb Aq Md Ka Ky MB PM - Y: A: Me; B: Ak SM; C: Si Ha Ty Od Tn - X: Lu.
26d 14h 07m	bp: B: Sr - pt: A: Od Tu Tw; B: Me Wi Ir Db Mb Lg Md Tl SM Ka Ky Mu Gu AA Hn Lu PM Hu Ap LQ To Am MI SB; C: Hb Ty Tf Tk IK Eb Ci Ak MB Mc Hr - E: Sw - X: Pe Tn Kg.
27d 03h 57m	bp: A: Tw; B: Lg Pa; C: Md Eb MB - bps: B: Hu - pt: A: Mu Ap; B: AA Hn LQ Am; C: Wn Ha Mb Aq Ka Ky PM - Y: B: SM; C: Me Gt Db IK Ci Tl Fr Ak Tu SJ Hr - X: Ty.

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(MARCH)

29d 22h 31m	b; B: Ir V1 - bp; A: FÜ; B: Le Ma Lg Md Tl Mc Hr Tw Kg; C: Kv Eb PM - bps; B: Ha AA - pt; A: Ap Am B: Wn Wi Gt Db Aq IK Ht SB; C: Mb Ka Ky MB? Wk - Y: B: Nu Lo SM; C: Me Sw Ty Od Ci Ak Mu - E: St LQ - X: Gn.
29d 23h 02m	b; A: Pe - bp; A: St FÜ Lg Md IK Tl SF; B: Wn Sw V1 Od AqEbAA Mc Hr Tw; C: Mo Tk Wk DU - bps; A: Gt; B: Wi Db Mw-pt; A: Am; B: Hu Ap Ht SB; C: Mb Ka Ky PM LQ - Y: B: Nu Lo Ci SM; C: Le Me Ak Tn - X: Ty Lu Gn
30d 15h 20m	b; C: Wn Kv - bs; B: Hu - bp; A: Ko Kn Mu; B: Od Lg Pa Hn PM To Mw; C: Mo Tk Wk DU - bps; A: Sr; B: Ir; C: Vi Mb Ka Ky-pt; B: Wi Aq Md Am; C: Ha Tw - Y: B: Ak; C: Si Me Sw Gt Ky IK Ci SM Ks Tu Br - E: Le LQ - X: Ty Gn - (si: Gu).
30d 21h 28m	b; A: Pe; C: MB? - bs; A: Ks - bp; A: FÜ Hb Ty; B: Wi Ir Sw Ha Kv Lg Aq Md Eb Tl AA Hr Kg; C: Mb Ka Ky Mc - bps; A: Nu Kn Wn Gt Od IK; B: Mo - pt; A: Am; B: Ht; C: PM Tw - Y: B: Lo Ma Db Tf Ak; C: Le Me V1 Ci SM Tn Br - E: St SF SJ Lu Mw - X: LQ Gn.

APRIL

04d 21h 03m	b; B: Sw; C: To - bp; A: Kn St Gt Ha FÜ Lg IK Tl Wk; B: Sr Wn Wi Ni V1 Kv Db Ty Od Aq Eb SM Tw; C: Hb Mb Md Ka Ky MB Hn Lu PM Hr - bps; A: Mo; B: Mw - pt; A: Ap SB; B: Pa Am Ht - Y: A: Nu Lo; B: Ak SF; C: Le Me Ma Tf Ci Fr SJ Mu AA - E: Tk Mc Tn LQ - X: Gn.
05d 14h 35m	b; A: Co; B: Gt; C: MB - bp; A: Si; B: Kn Wi Ir Lg Hn To ; C: Mb Ka Ky - bps; Mo Gn - pt; A: Am; B: Ap Tw SB; C: Ha PM - pg; A: Mu - Y: A: Tf; B: Lo Ak; C: Le Me Wn IK Fr SM Ks Tu SJ Gu AA - E: Nu St Db FÜ Tk Md SF LQ Hr - X: Aq.
06d 05h 25m	b; B: Fr MB Ht - bp; A: Tw; B: Tu SJ Pa Wk SB; C: Vi - pt; B: Wi LQ; C: Tf Gn - Y: B: SM; C: Me Wn Gt - X: Ak SF.
06d 12h 25m	b; A: Co; B: Si; C: Vi - bs; A: MI - bp; A: Sr Am; B: Ir Od Hn Ap To DU; C: Mb Ka Ky PM - pt; B: Mu Gu Gn; C: Kv Tf - Y: C: Me SM Tu - X: SB.
08d 01h 26m	b; B: Sw Pe - bp; A: Tl SF Tw; B: St Wn Wi Gt Ha FÜ Og Lg Md Eb Tu MB Pa Mc LQ Hr; C: Kv Hb SM SJ - bps; B: Fr - pt; B: Ma Ty SB; C: Gn - Y: B: Db Ci AA; C: Le Me IK Ak Mu - X: Hn.
08d 17h 00m	b; A: Wn Pe; B: St Ir Sw Gt Am; C: Mc? PM - bs; A: Ks - bp; A: FÜ Ty IK; B: Kn Wi V1 Kv Hb Lg Ak Tk Md Eb AA Gn Hr Wk; C: Lu To Tw Kg Mw - bps; A: Mo Od; B: Ha - pt; A: Ht; C: Mb Ka Ky - Y: A: Nu Tf Ak; B: Lo Db SM; C: Co Le Me Ma Ci Tl Mu Tn - E: LQ - X: Pa.
09d 03h 05m	b; B: V1 - bs; B: MB - bp; B: Ha FÜ Od Lg Tl Mw SB; C: Wn Wi Ty Eb - bps; A: SM; B: Tu Mu Pa Tw - pt; B: Gt Aq Ap; C: Mb Ka Ky - Y: C: Le Me St Ir Sw Db IK Ci Fr Pe Ak SJ AA Br Hr Am - E: Md SF Mc PM LQ.
12d 22h 20m	b; A: Pe Mc; B: IK Mb Br - bp; A: Ha FÜ Ty Lg SF; B: Mo Wi Kv Hb Od Aq? Tl AA Lu Hr; C: Mb Ka Ky Kg - bps; B: Mw - pt; B: Tf Ap Gn Ht; C: PM - Y: B: Nu Lo Db Tn; C: Le Wn Ir Gt Ci SM Tu - E: Me St Md Am - X: MI.
14d 21h 04m	b; B: Sw - bp; A: Nu St; B: Kn Wn Wi V1 Gt Ha FÜ Ty Od Lg Aq? Md IK? Tl Tn; C: Kv Eb AA Hr - pt; A: Am; B: Ht SB; C: Mb Tk Ka Ky - Y: B: Lo Db Ak SM; C: Le Me Ma Tf Ci Pe Ks SJ.
15d 04h 11m	b; A: Co V1 FÜ Tu Ho SJ Br; B: Wn Sw Kv Db Tl Fr To MI - bp; A: Si Kn St Ha SM Tw; B: Ir Gt Hb Od Lg Tk IK Mu Hr Am; C: Mb Ka Ky Kg - bps; A: Wk; B: Mo - pt; B: Ht SB - Y: A: SF; B: Nu Lo Ak; C: Le Me Ma Ty Tf Ci Ks - E: Aq Md Mc LQ - X: Gu.
16d 13h 05m	b; A: Br; C: MB? - bp; A: Nu Lg Gn; B: Kn Ir V1 Mb Ka Ky Hn PM Ap To Wk - bps; A: Sr Mu; B: Mo Am - pt; A: Ht; B: Ha Pa SB - Y: C: Le Lo Si Sw Gt IK Ci Pe SM Tu AA - E: Co Me Wn Wi Vi FÜ Od Aq Tf Tk Mc LQ Hr MI Mw - X: Kv DU.

TABLE 2a BAYS AND PULSATONS 1960 - continued

(APRIL)

16d 16h 35m	b: A: Fū; B: Kv Pe; C: Hr - bs: A: Sr Br - bp: A: Mu Gn; B: Ir Lg IK Hn PM To Wk; C: Hb Mb Ka Ky Mw - bps: B: Mo - pt: A: Am; B: Ap SB - Y: C: Lo Sw Gt Ha Ma Od Ak SM Tu Gu - E: Co Nu Le Me Wn Wi Db Vi Aq Tf Tk Md Eb SF LQ MI - X: DU.
17d 02h 13m	b: A: St Wn V1 Aq Ci MB; B: Md Tl Tu Br; C: Vi - bs: A: Gt Pe - bp: A: Ha Fū IK SM Tw; B: Mo Wi Hb Od Lg SJ Pa Mc Lu Hr; C: Mb Eb Ka Ky LQ - bps: B: Mw - pt: B: Ht - Y: A: SF SB; B: Nu Lo Sw Db Ak; C: Le Me Ir Ma Ty Fr Mu - E: Tf Tk Tn Am - X: Kv DU.
17d 09h 16m	b: A: Co Si To; B: Tu L Q Br; C: Aq Tw - bp: A: Sr Am; B: Ir Mb Lg Ka Ky Gn; C: Vi Hb - pt: A: Ht SB; B: Ap; C: Tf - Y: B: Me Ak PM; C: Sw IK Pe SM SJ Mu AA - E: Tk Md MI - X: SF DU.
18d 10h 35m	b: A: Co - bs: B: MI - bp: A: SB; B: Si Ir Lg Hn PM Ap To Ht; C: Mb Ka Ky Gn - bps: A: Sr Am - pt: B: Wi Ha Tf Mu - Y: C: Lo Me Gt Od IK Ak SM Tu SJ Br - E: Tk LQ - X: Ks Pa.
21d 23h 39m	b: B: Pe SB - bp: A: Ha IK; B: St Wi Ma Fū Ty Lg Eb Tl Mc; C: Kv Hb Mb Md Ka Ky - bps: B: Le Mw - pt: A: Ap; B: Wn V1 Gt Aq Ci Mu Tn; C: Tf Tk MB PM Gn Hr Tw - pg: B: Od - Y: B: Lo Db SM Ks; C: Nu Me Sw AA - X: Pa LQ Br Am.
23d 21h 16m	b: A: SJ; B: Pe? Br Gn To; C: MI - bp: A: Kn Kv Ty IK Mu; B: Sr Wi Ir V1 Gt Fū Lg Tk Kg Wk; C: Hb Md Eb PM Tw - bps: A: Mo B: Od; C: Mb Ka Ky - pt: A: Tf Ht SB; B: Wn Ma Aq Hn Am - Y: A: Nu Ks; B: Lo Ak; C: Me Ha Db Tl Fr SM SF Tu AA - E: Le Ci Hr - (ssc: Sw?).
24d 03h 17m	b: A: Br; B: Ir; C: Am - bp: A: Fū Lg Mu; B: Wi Md IK? Eb AA Hn PM Tw; C: Kv Mb Ka Ky To - bps: A: Hr; B: Kn Ha - pt: A: Wn Gt Ma; B: Aq Pa; C: Db - Y: B: Ak SM Ks; C: Si Ty Od Ci Pe SF SJ Tn - E: Nu Le Lo Me Vi Tk Tl Fr Mc LQ MI.
24d 12h 36m	b: A: Co; B: Kv Vi Pe; C: MB - bs: B: Wn - bp: A: Si Kn Gn To B: Ir Ma Mb Lg Ka Ky Mu PM Ap Wk DU Mw; C: Hb Eb Pa Hr - bps: B: Mo Ha - pt: A: Am; B: Wi Hn - Y: A: Nu Me; B: Db Ak Ks Tn; C: Sw Gt Od IK Ci Tl Fr SM SJ - E: Le Lo Fū Aq Md SF LQ MI.
24d 20h 46m	b: A: Tn Mc; B: Sw Pe; C: MB - bs: A: Gt Ma - bp: A: St Fū Lg Hr; B: Kn Kv Eb Tl Kg Wk; C: Hb Lu - bps: A: Mo Ha AA; B: Wn Wi Od - pt: B: Ht - Y: A: Nu IK; B: Lo Me Db Ak SM; C: Ci Tu SJ Mu Br - E: Le Mb Aq Tk Md SF Ka Ky LQ Ti MI - X: Ty - (ssc: V1).
25d 01h 04m	b: A: IK Pe Mc; B: Sw MB Tn - bs: A: Gt Ma Fū Lg; B: Mo Wn - bp: B: Ir Kn Kv Tl Mu Lu Hr; C: Hn Tw - bps: A: Wi Ha AA Mw; B: Gn Am - Y: A: Od Tf Ak Ks; B: Db SM; C: Lo Me V1 Ci Fr SJ Br - E: Nu Le St Vi Mb Aq Tk Md SF Ka Tu Ky PM LQ MI Wk - X: Ty Ht.
26d 23h 07m	b: A: Hb IK Pe SF MB Tn - bs: A: Ks - bp: A: Mo St Gt Ha Fū Ty Lg Aq Md Eb Tl AA Mc Tw; B: Wn Wi Ni Kv Od Fr Tu Hr Kg; C: Mb Ka Ky - bps: A: Ma; B: V1 Mw - pt: A: Ht; B: Pa Am; C: LQ - Y: A: Nu Db; B: Lo Tf Ci Ak SM; C: Le Me Ir SJ - E: Tk.
27d 06h 46m	b: B: SJ - bp: A: Tw Ht; B: Sr Vi Od Tu AA Am SB; C: Wn Mb Ka Ky To - bps: B: Fr Pa; C: Ha Md PM - pg: B: Mu - Y: A: Me; B: Ak C: Si Ir Gt Ci Pe SM MB Tn - E: Tk - X: Ty Lg Hn.
28d 12h 02m	b: A: Si Pe; B: Aq; C: Kv - bp: A: Mu Gu Hn PM Ap Am Tw Sb; B: Mb Lg Ka Ky Wk DU; C: Hb Eb Mw - bps: A: Ir To; B: Kn Mo Vi - pt: B: Wi; C: Ha? - Y: A: SF; B: Ak; C: Lo Gt Ma Ty IK Tl Fr SM Ks Ho SJ - E: Co Nu Le Me Wn Fū Tf Tk Md Tu Tn Mc LQ Br Hr MI - X: Pa Ht.
29d 19h 24m	b: A: Pe - bp: A: Nu St Fū IK; B: Kn Wi Hb Ty Lg Aq Md Eb Tl Lu Hr Kg; C: Mc PM - bps: A: Mo V1 Gt Ha Ma; B: Wn Od AA Mw - pt: A: Tf Ht; B: MB - Y: A: SF; B: Lo Db Ci SM Ks; C: Le Me Ir Sw Ak Tu SJ Mu Tn Br - E: Tk LQ MI SB - X: Pa Hn Ap Am.

MAY

01d 21h 05m b: A: SM MB; B: Ir Sw Gt; C: LQ Tw - bp: A: Kn Ma Fū Hb Ty Od

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(MAY)

- Aq Md IK Tl SF Ks AA Mc; B: Sr Mo St Kv Tk Lu Hr; C: Wn Mb Ka Ky - bps: A: Ha Eb; B: Wi Vl Mw - pt: A: Ht; B: Am - Y: A: Nu Tf Ci Tn; B: Lo Db Ak; C: Le Fr Tu SJ - E: Lg PM MI SB - X: Pe Pa Hn.
- 05d 20h 00m bp: A: Nu St Gt Ha Fū Ty Md IK Tn; B: Wi Ir Vl Od Lg Eb AA Mc Tw Mw; C: Lu - bps: B: Db - pt: A: Wn Ma MB Am Ht; B: Lo Kn Ni Hb Aq Tk Ci Tl Mu Ap LQ Hr SB; C: Mb Ka Ky Gn - Y: A: Ks; B: Tf Ak SM SF; C: Le Me Sw Tu - X: Kv Pa.
- 06d 05h 42m b: C: Mc - bp; B: Lg Mu - bps: C: Vi - pt: A: Am Tw; B: WiHa TfHn LQ Ht; C: Mb Ka Ky - pg: B: Mw - Y: B: Ak; C: Gt SM Tu AA - E: Me Tk - X: Ir Pa.
- 07d 04h 16m bs: B: Fr - bp; B: Lg Tw Ht SB - bps: B: Tu Mu; C: Vi - pt: A: Tk IK; B: Wi Hn - pg: B: Ty Y: B: SM; C: Si Gt Ha Pe Ks SJ - E: Co Sr Nu Me St Fū Mb Aq Tf Md SF Ka Ky AA PM ApTnLQToAm MI - (si: Gn Wk Mw).
- 11d 01h 49m b: A: Tw; B: Wn Wi Vl Gt Kv Fū Hb IK Eb Pe MB Pa Mc Br - bp; B: Kn Mo St Sw Ha Lg Aq Md Mu AA Hr; C: Lu - pt: B: Hn - Y: B: Me Db Ci Tl SM SF; C: Nu Le Lo Ma Od Fr Ak Tu SJ - E: LQ - X: Gn.
- 11d 21h 42m b: A: Pe; B: Ty; C: Tw - bp; B: Nu Vl Ma Fū Od Lg Aq Md IK Eb AA Mc Lu Tn Hr Kg; C: Kv Hb MB - bps: B: Ha Mw - pt: A: Am; B: Wn Wi Gt Tl SB - Y: A: Ks; B: Lo Db; C: Le Ir Sw Tf Ci SM SF Mu - E: Me LQ - X: Gn.
- 19d 05h 53m bp: A: Tw; B: Pa LQ Ht; C: Vi Mb Eb Ka Ky MB - bps: A: SB; B: SJ - pt: A: Wn; B: Wi Vl Gt Ha IK Mu Ap Tn Am; C: Ty Aq Md - Y: A: Me; B: SM; C: Nu Ak Fr Tu Hr - X: Lg Ks.
- 23d 20h 20m b: C: MB PM Gn - bs: C: Vi - bp; A: Nu Fū Lg Ap Tw; B: Sr Ir Gt Ma Ty Aq Tl SM Mu Pa Hn Kg; C: Wn Kv Mb Md Ka Ky Lu Hr To Wk - bps: A: Ha IK AA; B: Kn Mo Wi Hb Od Mw - pt: A: Tf; B: Ni Vl Am Ht - Y: A: Ks; B: Lo Db Ak; C: Le Me Sw Ci Fr Pe SJ Lu - E: St Tk Eb SF Tn Mc LQ Br.
- 25d 17h 42m b: A: Fū Od IK Pe Mu Gn; B: Co Sw AA Mc PM Br Hr Wk; C: Wn Wi Eb MB Tw MI - bp: A: Nu Kn Mo Mb Hn; B: Ir Ha Hb Ty Lg Aq Tk Md Ka Ky Gu To Am; C: Lu - bps: B: Sr - pt: B: SB - Y: A: Tf SF; B: Db Ak Ks; C: Lo Me Gt Ci Tl Fr SM Tu SJ Tn - E: St LQ - X: Kv.
- 25d 23h 48m b: A: Pe; B: Wn Od IK MB - bp; A: Fū Tl Mc Lü; B: Mo St Wi Sw Vl Gt Hb Lg Aq Md Eb Hr Tw Kg - bps: A: Ha - pt: B: Ma Pa - Y: A: SF; B: Nu Lo Db Tf Ci; C: Le Me Fr Tu SJ Tn Br - X: Kv SM MI SB.
- 26d 12h 29m b: C: PM Am MI - bp; B: Sr Lg Mu Hn Gn To DU; C: Mb Ka Ky Wk - bps: B: Ht - pt: B: Tf; C: Aq Md - Y: B: SM; C: Nu Me Ir Db Ci - E: LQ - X: AA.
- 26d 16h 17m bp: C: Kv - pt: A: SB; B: Sr Nu Ir Gt Fū Hb Od Aq IK SM Tu Mu Mc PM Gn; C: Lo Ha Db Ty Mb Lg Tf Tk Md Ci Ak Ka Ky AA Lu Wk - E: Sw Mw.
- 26d 16h 57m b: A: Pe - bp; A: Nu Kn Wn Gt Od Md; B: Sr Wi Ir Kv Hb Lg Aq Tk? IK Mu AA Gn Kg Wk Mw; C: Eb - bps: B: Mo - pt: A: Fū; B: Ni Ha Hn Hr; C: Mb Ka Ky - Y: B: Lo Db Tf Ak; C: Le Me Sw Ma Ci SM Tu Lu Tn Mc MI.
- 31d 21h 10m b: A: Pe; B: Ty Tn - bp; A: Nu; B: Sr Mo Wn Wi Vl Gt Ha Kv Fū Lg Md IK Eb Gn Wk; C: Hb Lu To - bps: A: St; B: Od AA Mw - pt: B: Aq - Y: B: Lo Ma? Tf Ak; C: Le Me Ir Sw Db Ci Tl SM Tu Hr - E: Mb Tk SF Ka Ky Mc - X: Ks Ht.

JUNE

- 03d 21h 41m b: A: SF; B: Sw Pe MB Mc - bp; A: St Ty Lg; B: Kn Mo Wi Vl Gt Ma Fū Hb Od Aq Md IK Eb Tl SM Hr; C: Wn Kv AA Lu - bps: A: Ha; B: Mw - pt: A: Tf; C: Mb Tk Ka Ky - Y: A: Nu; B: Lo Db Ci Ak Tn;

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(JUNE)

- C: Le Me SJ - E: LQ Pi.

06d 10h 50m	b; A: Ty Pe Mu Ap Br; B: Wn Ir Kv Ma MB Gn; C: Eb - bp: A: Sr Kn Ha Hb Tf Tk; B: Wi Lg Md IK Ho AA Hn PM To Am Ht; C: Vi Mb Aq Ka Ky Lu DU - bps: B: Mo Od - pt: A: SB - pg: St V1 - Y: B: Nu Lo Ak; C: Co Le Me Sw Db Ci Tl Fr SM SJ Hr - E: Fū Tn LQ MI - X: Pa.
06d 23h 59m	b: A: V1; B: Pe; C: Mc - bp: B: St Gt Fū Ty Od Lg Md; C: Wn Wi Kv Hb Eb - bps: B: Ha Mw - pt: B: Ma Aq Tf Tl Hr - Y: C: Le Lo Me Sw Db IK Ci Tu Mu AA Tn - X: SM Pa Ht SB.
08d 02h 57m	b: A: Ty SF; B: V1 SJ; C: Kv - bs: B: Fr MB - bp: A: AA Mc Tw SB; B: Wi Gt Fū Hb Od Lg Md IK Pa Lu LQ Pi Hr; C: Aq Eb Wk - bps: B: Ha Mw - pt: A: Tf Am; B: Wn Ap - Y: B: Ma Db Ak SM Ks; C: Le Lo Me St Sw Ci Tl Tu Mu Tn - X: Ht.
14d 06h 33m	b: A: SF; C: Wn Kv Aq Pe Gn Hr - bp: A: Tw; B: Kn V1 Ha Od Lg Tf IK Eb PM Pi; C: Wi Vi Hb Mb Md Ka Ky MB? Lu Mw - bps: B: Fr Tu - pt: B: Pa Hn Ap LQ; C: Tk - Y: A: Me; B: Db Ak SM Ks; C: Nu Le Lo St Ci Tl SJ Tn - X: Co Ty Ht.
15d 07h 59m	b: B: SJ; C: Wn Kv Mc Hr - bs: B: Fr - bp: A: SB; B: Wi Ir Ha Od Lg Pa Ap Pi Lu; C: Mb Eb Ka Ky PM LQ To MI Mw - bps: B: V1 - pt: B: Mu - Y: B: Me SM Tn; C: Le Lo Gt Ma Fū Ty IK Ci Tl AA Br - X: Tw Ht.
17d 00h 04m	b: C: Pe - bp: A: Ty; B: Wi V1 Ha Fū Lg Tf IK Eb AA Mc Hr; C: Mb Md Ka Ky Lu - bps: B: Mw - pt: A: Gt Od; B: Lo Wn Db Aq Tl SM Am; C: Nu St Kv Hb - Y: C: Me Ci Tu Mu Tn - E: SB - X: Sr Pa Hn Tw.
17d 15h 57m	b: A: Co Pe; B: IK - bp: B: Ir Ha Od Lg PM To; C: Hb Lg Hn Wk - pt: A: Mu; B: Kn Wn Wi Tk Md Pa Pi Gn; C: Mb Aq Ka Ky MB - Y: B: Ak; C: Lo Me Sw Ma Db Fū Ci SM Tu AA Br - E: SB - X: Kv Eb Tw.
18d 01h 38m	b: B: Pe; C: PM Tw - bp: A: SM; B: Wi V1 Gt Fū Lg IK Tl Mu AA Pa Mc Hr; C: Wn Kv Vi Mb Aq Md Ka Ky MB Hn To - bps: B: Ha Pi; C: LQ - pt: A: Ap - Y: B: Me Db Ty Ak; C: Nu Le Lo St Ir Sw Ma Ci Fr Tu SJ - E: SB - (sfe: Od).
19d 09h 55m	b: A: Si; B: Pe Ht; C: Kv Tw Wk - bs: A: Co Mu; B: Br - bp: A: Ap To; B: Ir Gn Am; C: Wi Vi Mb Md Ka SB - bps: B: Sr Gu Hn PM DU C: Ky - pt: A: Tf; C: Wn Ha Aq - Y: B: Nu Ak SM; C: Gt Fū Ci Fr Tu SJ AA Tn - E: Lo Me MI - X: IK - (sfe: Od).
20d 02h 24m	b: B: Wn V1 Gt Lg IK Pe MB; C: Eb Mc Tw - bs: B: Fr - bp: A: SM B: Wi Ha Fū Aq? Tl Pa; C: Kv Hb Md LQ Pi - pt: B: Ma Tf - Y: B: Db; C: Le Mo Me Sw Od Si SJ AA Hr.
20d 11h 40m	b: B: Co Pe; MI - bp: A: Sr Mu; B: Ir Hn PM Gn To DU; C: Mb Ka Ky - pt: A: Am; B: Od Tf IK SB; C: Aq Md Pi - Y: B: Ty Ak SM Ks; C: Lo Me Ha Fū Gu AA Br - X: Kv Pa.
21d 16h 35m	b: B: Co Br SB; C: MI - bp: A: Mu Gn; B: Ir Hn PM To Am Wk; C: Kv Mb Ka Ky DU - pt: A: Tf; C: Wn Tk - Y: B: Ks; C: Nu Lo Me Gt Ha Od IK Ci Pe Ak SM SJ Gu Mc - E: Fū Md LQ Pi - X: Ty.
22d 02h 33m	b: A: Pe SF Tw; B: St IK Mc; C: Md - bp: A: Ha SM Mb Lu; B: Sw V1 Gt Fū Hb Od Lg Aq Tl AA Pa LQ Pi Hr Mw; C: Mo Wi - pt: C: Wn - Y: A: Ci; B: Db; C: Le Lo Me Ma Fr SJ - X: Kv Ty Eb Ht.
22d 19h 50m	b: B: Pe; C: PM - bp: A: Nu; B: Kn Mo Ir Lg IK; C: Kv Hb - pt: A: Wn Gt Od Tf Tn; B: St Wi Ha Ma Db Fū Aq Tk Eb Tl Gn; C: Mb Ka Ky MB LQ Pi Hr Wk - pg: B: Lo? - Y: B: SM Ks; C: Me Ak Mu AA Br Kg - X: Ty Md Lu Ht.
22d 23h 57m	b: A: Pe; B: Wn Tn; C: MB? Mc Gn - bp: A: Nu St Gt Fū IK; B: Kn Wi Sw V1 Kv Hb Lg Aq Tl AA Mw; C: Mb Tk Ka Ky Hr - bps: A: Ha; B: Od Eb - Y: A: SF; B: Lo Ma Db Tf Ak; C: Le Me Ci Fr SJ Mu - X: Sr Ty Md SM Hn Lu PM Ht SB.

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(JUNE)

23d 05h 10m	b; B: Pe SJ Tw; C: MB? Mc - bp; A: SB; B: Si Ha Lg Mw; C: Eb LQ Pi Hr - bps: B: Vi Fr Tu - pt; A: Tf Ap; B: Wi Od Ht; C: Wn Aq - pg; B: Mu - Y: A: Me; B: SM; C: Le Gt Db Fū IK Tl - X; Ty Md Lu.
24d 19h 20m	b: A: Pe; B: Sw Wk; C: PM - bp; A: Kn Mo Gt Kv Fū Hb Ty Md IK Eb Tl; B: Wn Wi Ir Ni V1 Db Lg Aq MB Pa Kg; C: Mc Lu Gn Hr - bps: A: Nu St Ha Od AA; B: Le Mw - pt; A: Ma Tk - Y: A: Tf SF Ks; B: Lo Me Ci Ak SM Tn; C: SJ Mu - E: Mb Ka Ky LQ Pi SB - X: Ap Tw.
25d 12h 19m	b; B: Si Ap - bp; A: Am; B: Tl Mu To MI; C: Vi Mb Lg Ka Ky Hn PM - bps: A: Co - pt; A: Tf; B: Pa; C: Ha - Y: B: SM; C: Me Ir Gt Od Pe Tu Tn Br - E: Nu Lo Ma Fū Md LQ Pi - X; Tw.
25d 20h 29m	bs: A: Pe - bp; A: Fū; B: Mo Wn V1 Lg Aq Md IK Mc Lu Hr; C: Kv Eb Mw - bps: A: Ha Od AA; B: Hb - pt; A: Gt Am; B: Ma - Y: A: Nu; B: Lo Ak SM SF Ks Tn; C: Me Ir Sw Ci Tl Fr Mu - E: St Mb Tf Ka Tu Ky PM LQ Pi To - X; Db Ty.
25d 21h 24m	b: A: Pe; C: Tw - bp; A: Nu Kn Mo V1 Fū; B: Wn Wi Ir Kv Hb Lg Aq Md IK Tl Mc Lu LQ Pi Hr; C: Eb AA Wk - bps: A: Ha Od; B: Mw - pt; A: Ap SB; B: Gt Ma MB Pa Hn Ht - Y: A: SM; B: Lo Db Ak SF Ks Tn; C: Me Sw Fr SJ - E: St Mb Tf Ka Tu Ky PM To - X: Ty Am.
26d 20h 58m	b: C: Pe - bp; A: Nu Kn; B: Mo Wi Gt Kv Hb Od Lg IK; C: Wn - bps: B: Mw - pt; A: Ha Ma Fū Tf Md Am Ht; B: Ni V1 Aq Eb Tl MB Pa Hr SB - Y: B: Lo Db Ak SM; C: Me Sw Si Tu - E: St Tk SF - X: Ty Mu Tn.
28d 10h 54m	b: B: Ho; C: Kv - bs: A: Co MI - bp; A: Sr; B: Vi Mw; C: Mb Ka Ky - bps: A: Si Kn Am; B: Mo Mu - pt; A: Ap; B: Hn SB - Y: B: Db; C: Lo Me Ir Gt Ha SM - E: Nu St Wn Wi Ma Fū Od Lg Aq Tf Tk Md Pe SF Ks Tu AA Mc PM Tn LQ Br Hr To - X: Ty Pa Pi - (si: IK).

JULY

01d 17h 57m	b: A: V1 Fū Ty IK Pn; B: Si Sw Gt Kv Ma Lg Md MB Mc SB; C: Wn Vi Aq Eb - bs: A: Od - bp; A: Ha; B: Wi Ir Tl LQ Pi; C: Mb Tk Ka Ky Lu - bps: B: Mo Hb Mw - Y: A: SF Ks; B: Nu Lo Db Ci Ak SM C: Le Tf SJ Mu AA PM Br - E: Hr - X: Ht.
02d 00h 29m	b: B: Pe Tu PM; C: Tn Tw - bs; A: SF - bp; A: V1 Fū Ty Lg Tl; B: Sr St Wi Gt Db Eb Mu Mc Lu; C: Wn Kv Hb Mb Ka Ky MB Hr - bps: B: Ha Md SM Mw - pt; B: Ma Aq Pa SB - Y: B: Nu Lo Ci; C: Le Me Sw Od IK Fr SJ AA - X: Ht.
03d 16h 00m	bp; B: Gn - pt; A: Sr; B: Ir Gt Ha Fū Mb Lg Aq Tf IK Tl SF Ka Ky Mu PM Am DU; C: Wn Ma Tk Eb Ak SM SJ Lu To Wk - E: Sw Si Mw - X: Kv Ty Kg.
04d 00h 47m	b: A: IK Pe MB Mc; B: Ir Kv PM Tn Br Tw; C: Ir Vi Hn - bp; A: Kn Fū Lg Md SF; B: Sr Le Mo Wi Sw Ni Gt Ha Ma Hb Od Aq Tf Eb Tl Lu Hr Kg; C: Wn Mb Ka Ky Wk - bps: B: Mw - pt; B: Pa Am Ht SB - Y: A: Nu; B: Lo Me Db Ak; C: Ci Fr SM Tu Mu - E: St - X: Co Ty.
10d 01h 36m	b: C: PM - bp; A: Fū; B: Sr Nu St V1 Ha? Lg IK Mu; C: Kv Hb - pt; A: Wn Gt Md Ci SM MB LQ Pi Am Tw; B: Lo Wi Ni Ma Db Ty Aq Tf Eb Pa Mc Hn Hr; C: Mb Ka Ky Gn Wk - Y: B: Me Tu; C: Le Tl Pe SJ AA - X: Ap Br DU Ht.
10d 22h 12m	bp; B: Nu Ha? Fū Lg IK; C: Kv Hb - bps: B: Mw - pt; A: Gt Ma Tf Md MB; B: Lo Wn Wi Ni V1 Db Aq Eb Tl SM Pa Mc; C: Ty Mb Ka Ky Hr Tw - Y; C: Le Me Ci Pe Tu Mu AA Tn - X: St Br Ht.
11d 20h 59m	b: B: Sw Tw - bp; A: Nu St Wn V1 Gt Fū Tf Md IK Eb; B: Kn Mo Wi Ha Ma Hb Ty Lg Aq Tk AA Tn Gn Hr Kg Wk; C: Hn To - bps: B: Od Mw - pt; A: MB Am; B: Ni Tl Mc; C: Mb Ka Ky - Y: B: Lo Db Ci Ak SM; C: Le Me Ir SJ Mu - X: Kv Pa.
12d 05h 39m	b: B: Fū Od Lg SB; C: Wn - bp; A: Tw; B: Sr Vi SJ Pa LQ Pi; C: Mb - bps; B: Fr Tu - pt; B: Tf Mu Ht - Y: B: Me SM; C: Nu Gt Ha IK Ci.

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(JULY)

13d 20h 19m	b: B; Tw; C: PM - bp: A; FÜ; B: Nu Ir Lg Aq Md Kg Wk; C: Mo Kv Hb Mb Eb Ka Ky Mc Hr - bps: B; Mw - pt: A: Ma Od Ht; B: Wn Wi Ni V1 Gt Ha Ty Tf IK Tl - Y: B: Lo Db SM; C: Le Me Sw Ci Mu - X: Lu.
15d 16h 37m	b: A: Pe? Ap; B: AA Lu; C: Gt MB - bs: A: Br - bp: IK; B: Wi Ir Kv Hb Lg - bps: A: Mo Mu Hn Gn To; C: Mb Ka Ky - pt: A: Ht; B: Aq SB - Y: B: SM; C: Sw Tl - E: Co Nu Le Lo Si Me St Ha Ma Db Vi FÜ Ty Od Tf Tk Md Ci Fr SF Tu SJ Gu Pa Mc Tn LQ Pi Hr Am Tw Kg MI - X: Ak - (si: Wn PM).
17d 08h 08m	b: A: SJ Am; B: Wn FÜ Ty Pe Tu Hn PM Br Tw SB; C: Kv MB Pa Mc - bp: A: Ht; B: Ir Hb Od Lg Mu To; C: Mo Wi Md Lu Hr - bps: A: Sr; C: LQ Pi - pt: B: Ap Wk - Y: B: Db Ak SM; C: Co Lo Si Sw Gt Ha Ma Tf IK Ci Tl Fr - E: Me SF MI - X: Kn St - (si: Gn).
17d 16h 14m	b: A: Pe SF; B: Ir Sw Br; C: MB? Mc - bp: B: Kn Mo Kv FÜ Hb Od Lg IK Tl Wk Mw; C: Wn Md Eb Lu Gn To - bps: A: Nu - pt: A: Tf; B: Ni Aq Am Ht; C: Tk - Y: B: Lo Db Ak; C: Me St Gt Ha Ma Ty Ci SM Mu - E: MI.
17d 22h 56m	b: A: Pe; B: Tn Mc PM; C: Gn - bp: A: Nu Gt FÜ Md IK; B: St Wn Wi Sw Ni V1 Ha Kv Ma Db Hb Od Lg Aq Eb Tl MB Lu Hr Tw; C: Mb Ka Ky - bps: B: Le, Mo AA Mw - pt: B: Pa Pi Ht - Y: A: SF; B: Lo Ci SM; C: Me Ir Ty Ak Tu Mu Br.
18d 15h 00m	b: B: Sw FÜ Pe Ak; C: Wn PM - bp: A: IK Mu; B: Ir Kv Lg Tk To Kg Wk; C: Wi Vi Mb Md Eb Ka Ky Hn DU Mw - bps: A: Kn Mo Gn; B: Hb Od - pt: C: Ty Aq - Y: A: Nu; B: Me; C: Co Le Lo Ci Gt Ha Ma Db Tf Ci Fr SM Tu SJ Am - E: St Pi - X: Sr Lq Ht.
19d 18h 45m	b: A: Pe Ks; B: Sw Mc Tn; C: MB? - bp: A: Nu FÜ Hb Ty Aq IK; B: St Wi Gt Ha Kv Od Md Eb Tl Lu Kg - bps: B: Mo Mw - pt: A: Ht SB; B: Tk Am - Y: B: Lo Ak; C: Le Ma Db Ci SM - E: Me Wn Tf Pi - X: Lg LQ.
19d 23h 23m	b: A: IK Pe SF MB Mc Tw; B: V1 Fr AA - bp: A: Nu St Wi FÜ Tl Hr; B: Le Sw Ni Ha Kv Ma Hb Ty Od Aq Md Eb SJ Mu Pa Lu Pi Kg - bps: A: Gt; B: Mo Wn Mw - pt: B: Ap Ht - Y: A: Ci Ks; B: Lo Db SM; C: Ak Tu Br - E: Me Mb Tk Ka Ky Tn Am - X: Lg PM LQ SB.
20d 11h 21m	b: A: Ap; B: Ir Tu; C: MB? - bs: A: Co; B: MI - bp: A: Vi; B: Mo Od Mb Tl Ka Ky To Ht; C: Tw - bps: A: Sr Si Am - pt: B: SB - Y: B: Ak SM; C: Le Lo Gt Ci Mu - E: Me FÜ Tf Tk SF - X: Kv Lg.
20d 11h 46m	b: A: Pe PM; B: Ir Wk - bs: A: Br - bp: A: Gn; B: Mu Gu Hn DU; C: Vi Hb Tw - pt: A: Am; B: Ht SB - Y: B: Ak SM; C: Nu Le Lo Sw Gt Db IK Ci Tu SJ - E: Co Me FÜ Tk SF MI - X: Kv Lg.
20d 22h 12m	b: A: Pe SF Mc Tn; B: Ir Tl MB SJ Mu PM Gn Tw Wk - bs: A: Ma - bp: A: Kn St FÜ Ty Lg Tf Md IK Ks; B: Nu Mo Wi Sw V1 Aq Eb Pa Lu LQ Pi Hr Kg Ht; C: Vi Mb Ka Ky Hn - bps: A: Gt Ha Hb Od AA Mw; B: Wn Ni - pt: A: Am - pg: C: Le? - Y: A: Db Ak; B: Lo Ci SM; C: Tu - E: Me Tk.
21d 04h 22m	b: A: Co SJ MB Br Gn; B: Si Vi FÜ Ty Lg Md Eb Mc PM To; C: Kn Wn Wi Kv - bp: A: SM Mu Pa LQ Pi Hr Am Ht; B: Sr Mo St Ir V1 Gt Ha Od Mb Tk IK Tl Ka Tu Lu Kg Wk Mw SB; C: Hb - bps: A: Tw; B: Le - Y: A: Nu Me; B: Lo Ma Db Ci Ak; C: Sw Tf Fr Pe Ho Tn.
22d 12h 44m	b: A: Co; B: Si Lg; C: Kv - bp: A: Am; B: Sr Mo Ir To; C: Vi Hb Mb Ka Ky - pt: A: Mu Ht; B: Tf Hn Gn; C: Aq Pi - Y: B: Nu Me; C: Le Lo Sw Gt Ha Db IK Ci Ak SM Tu AA Br - E: FÜ - X: Ty LQ.
21d 17h 42m	b: B: Pe - bp: A: Nu; B: Kn Mo Ir Gt Kv FÜ Hb Od Lg IK Mu Wk; C: Wn Wi Eb - bps: B: Gn - pt: A: Ma Tf Pi; B: Aq Tk Md Tl Ka Pa Hn Am Ht; C: Mb Ky - Y: B: Ak; C: Co Le Lo Me St Ha Ci Sm AA - X: Ty LQ.
21d 22h 59m	bp: B: Mw - pt: A: Mo FÜ Od Lg Md Lu; B: Sr Nu Lo Wn Wi Gt Ha Ma Hb Aq IK Tl Mc Tn Hr Ht; C: St Sw Kv Mb Eb Ci SM Ka Ky AA PM Kg - X: Le Ty LQ.

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(JULY)

22d 12h 05m	b; B; PM Ap; C: MB? - bs: A: Co; B: MI - bp: A: Am Ht; B: Sr Ir Hn To SB; C: Vi Mb Ka Ky - bps: B: Gn - pt: B: Tf; C: Ty Aq Tk - pg: B: Mu - Y: B: SM; C: Si Me Ha Od Ci Ak Tu AA - E: FÜ - X: Tn LQ.
23d 00h 16m	b: A: FÜ Ty Od; B: Wn Ir Gt Tk IK Pe SJ Mc Tn Br Pi; C: Eb - bp: A: St Ha Tf; B: Wi Sw V1 Kv Db Hb Lg; C: Mo Mb Md Ka Ky Lu Hr To Wk - bps: B: Le Mw - pt: A: Am Ht - Y: A: SM SF; B: Nu Lo Ak; C: Me Ma Ci Tl Fr Tu Mu AA - E: Tw - X: LQ SB.
23d 16h 44m	b: C: PM - bp: B: Gn To; C: Wi - pt: A: Am; B: Lo Mb Ka Ky Pa Hn Ap - pg: A: Mu - Y: C: Me Gt Ha SM AA - X: Tk Eb LQ Br.
23d 23h 54m	b: B: Pe - bp: A: FÜ IK; B: Nu St Wi Sw V1 Ha Lg Mc Lu Tn Mw; C: Kv Hb Eb Hr - pt: A: Wn Gt Ma Tf Md Ap Ht; B: Db Aq Ci Tl Mu Pa Hn Pi; C: Ty Tk; B: Lo - Y: C: Le Me SJ AA - E: Am - X: SM PM LQ Br To MI.
25d 20h 35m	bp: B: Nu Ha FÜ Lg; C: Mc Lu - bps: B: Mw - pt: A: Wn Gt Ma Ty Od Md Am Ht; B: Lo St Wi Db Aq Tf IK Eb Tl MB Mu Pa Hn Ap Pi Hr; C: Mb Tk Ka Ky - Y: B: SM; C: Ci Pe AA Br - X: Tn LQ.
26d 03h 03m	b: C: PM - bp: B: Sw Mu - pt: A: Od MB Pi Am; B: St Wn Wi Gt Ha Ty Aq IK Eb Tl Pa Mc Hn Hr Tw; C: Md Ci - Y: A: SM; B: Db Br; C: Me Fr Tu SJ AA - X: Tn LQ Ht.
28d 22h 40m	bp: A: FÜ Md IK Tn; B: Nu St Wi V1 Lg AA; C: Mo Kv Lu - bps: B: Mw - pt: A: Wn Gt Ha Ma Od Aq Tf Eb MB Pi Am; B: Lo Kn Db Tl Pa Hn Ap Hr Tw; C: Mb Tk Ka Ky Tw - Y: B: Sw SM; C: Me Ci Pe Mu Br - X: Ty LQ.
29d 00h 52m	bp: A: Ha FÜ Lg Md Ci Tl Tn; B: Wi V1 Eb AA Pi Tw Mw; C: MB Hr - pt: A: Wn Gt Ma Od Aq Tf IK Ap Am Ht; B: Lo Kn Sw Kv Tk Pa Wk SB; C: St - pg: A: Mu - Y: A: SM SF; B: Db; C: Le Ks SJ - E: Nu Me Vi Mb Ka Ky PM - X: Ty Lu LQ - (ssc: Fr - si: MI).
29d 14h 46m	b: A: Co; B: PM - bs: B: MI Mw - bp: A: Gn; B: Ir Lg Mu Hn Am Wk C: Mb Ka Ky - bps: A: Sr; B: Mo To - pt: B: Ht - Y: B: Br; C: Lo Si Gt Od IK Pe Tu - E: Nu Me Wn Sw Ha Kv Ma FÜ Aq Tf Md Ci SF Ks SJ Pi - X: LQ.
29d 23h 56m	b: A: Ty Pe Tn; B: Ak Gn - bs: A: Ks - bp: A: FÜ Lg IK AA; B: Wi V1 Kv Hb Aq Md Eb Tl Mc Lu Hr Kg; C: Kn Wn Wk - bps: A: Mo Mw; B: Ha Od; C: Le - pt: A: Ma Am; B: Gt - Y: A: Nu Tf; B: Lo Db SM SF; C: Sw Ci Tu SJ Mu - E: St Mb Tk Fr Ka Ky Pi - X: Sr PM LQ To MI Ht SB.
30d 11h 27m	b: A: Si Vi Ty Pe; B: Od Aq Ak Tu MB Mu Gn; C: Wn Kv Eb Mc PM Hr To - bs: A: Co; B: Fr MI - bp: A: Ht; B: Sr Kn Wi Ir Ma Hb Mb Lg Tf Tk Md IK Ho Wk DU; C: Mo Ka Ky - bps: B: Ha - pt: B: Pa Am - Y: A: SF Ks; B: Nu Lo SM; C: Le Sw Gt Db Ci Tl SJ - E: Me FÜ - X: LQ.
31d 01h 39m	b: A: Ty Pe SF Mc Tn Br; B: Tu SJ AA Pa Gn Ht SB; C: Hn PM - bs: A: Ks Tw - bp: A: Nu St Gt FÜ Lg Md IK Eb Tl MB Lu Hr; B: Wn Wi Ir Sw Ni V1 Kv Db Hb Od Aq SM Pi Am Kg; C: Mb Ka Ky To - bps: A: Ha Mw; B: Le Mo - Y: B: Lo Tf Ci Ak; B: Ma Mu - E: Me Fr - X: LQ.

AUGUST

01d 13h 00m	b: A: Co Si Tk Pe Mu; B: Ir V1 Ha Kv Ma FÜ Ty Aq IK Hn Ap Br SB; C: Wn Eb MB Pa Hr Tw - bp: A: Kn Mo; B: Mb Lg Ka Ky Gu Gn Wk DU; C: Vi Hb Md Mw - bps: A: Sr Od - pt: C: Pi - Y: A: Tf; B: Nu Lo Ci SM PM; C: Le Me Sw Gt Fr Tu SJ Mc Tn Am - E: Db - X: Wi LQ Ht.
02d 21h 34m	b: A: Ha IK Pe Tn; B: Ir Sw Ma Db SJ Mc Tw - bs: A: Ks - bp: A: Od Tf AA; B: Mo Wi V1 FÜ Hb Lg Aq Md Eb Tl Hr Wk; C: Wn Mb Ka Ky - bps: B: Mw - pt: A: Ht; B: Gt Am SB; C: Pi - Y: A: SF; B: Nu Lo Ci Ak; C: Me Tu PM - X: Kv Ty SM Pa Lu.
03d 15h 28m	b; C: FÜ - bp: A: Mu; B: Ir Od; C: Mo Mb Ka Ky - pt: A: Gn; B: Wi; C: Aq Tk - Y: B: Tf Ak; C: Me Sw Gt IK Ci Pe SM Tu - X: Kv.

TABLE 2a BAYS AND PULSATONS 1960 - continued

(AUGUST)

10d 04h 54m	b: A: Co Si Ap; B: Ir Vl Fū Ty Od Aq Pe Hu To Mc Tn Gn SB; C: Wn Kv Md Eb MB Hr MI - bp: A: Sr Am Ht; B: Ha Vi IK Lu To; C: Hb - Y: B: Tf Ak SM; C: Sw Ma Db Tk Tl SF SJ PM Br - X: Lg Pa Tw.
06d 08h 41m	b: A: Co - bp: A: Si Ht; B: Lg Tu MI; C: Vi Tk Lu - pt: A: Pi; B: Tf SM Pa Ap Tw; C: Kv Ty Mb Aq Ka Ky MB PM - Y: C: Nu Me Fū Od IK Fr Ak SJ Mu - X: St.
07d 01h 02m	b: B: Fr Mu - bp: B: St Wi Vl Ha Fū Lg IK Tw; C: Hn Lu - pt: A: MB Pi Am; B: Ni Gt Db Tf Eb Tl Pa LQ Ht; C: Wn Kv - Y: A: SM; C: Le Lo Me Sw Ma Mc PM - X: Md - (cr: Od).
07d 16h 29m	b: A: Kn Mo Gt Fū Ty Aq Md Pe MB Mc Lu Ap Tn? LQ Pi; B: Sr St Wi Sw Kv Lg Tl Ho Pa Hn Br Gn Am; C: Wn Hr To Tw - bs: A: Od SF Ks; B: Ir Eb - bp: A: Hb Tf Tk IK Mu; B: Vl; C: Mb Ka Ky - bps: A: Ha - Y: B: Nu Lo Ma Db Ci Ak SM PM; C: Le Tu SJ Gu - X: Ht - (sfe: AA).
08d 06h 49m	b: B: Ty Lg - bp: B: Ha Od To Am Tw; C: Mo Hb Mb Ka Ky MI - bps: C: Vi - pt: A: Pi; B: St Pa Ap LQ Ht; C: Kv Tf - Y: B: Ak; C: Co Si Lo Me Ir Gt Fū IK Ci Fr SM Tu SJ Mu PM Br - E: Hr - X: Lu.
08d 11h 01m	b: A: Co; B: Si - bp: A: Am; B: To MI - pt: A: Ht; B: Ty Mb Tf Mu Hn Ap; C: Ka Ky - Y: B: SM; C: Me Pe SJ PM - E: Fū.
09d 10h 45m	b: A: Si; B: Ir Ty Tu Ap; C: Ha Kv - bs: A: Co - bp: A: Am Ht SB; B: Od Mb Lg Ka To MI DU; C: Vi Hb Md Ky Tw - pt: B: Hn; C: Aq PM - Y: A: SF; B: Tf SM; C: Nu Lo Me Sw Db IK Fr Pe Ks Ho SJ Mc Br - E: Fū Hr - X: St Pa LQ.
10d 00h 31m	b: B: Tn - bp: A: Fū Lg; B: Wi Sw Ha Kv Db Od Eb Tl; C: AA Mc - bps: B: Mw - pt: A: Gt; B: Wn Vl Ty Aq Md IK MB Pa Pi Hr Am; C: Tw - Y: A: SM; B: Nu Lo Ci; C: Le Me Ma Pe - X: St LQ Ht.
11d 02h 57m	b: A: SJ Br; B: Ir Sw Od Pe Tu; C: Kv - bs: A: SM - bp: A: St Gt Ha Fū Eb Tl Pa LQ Pi Tw; B: Wn Wi Vl Db Hb Lg Aq Md Mc Hr; C: Mo Kg - bps: A: Fr MB; B: Le - pt: B: Hn SB; C: Md Ka Ky PM - Y: A: Ci SF; B: Nu Lo Ma Ak; C: Co Me IK - X: Ty.
11d 10h 50m	b: A: Ap Gn; B: Ir Fū; C: Wn Ha Kv Eb MB - bs: A: Co MI - bp: A: Si Ht; B: Hb Od Mb Lg Ka Tu SJ Mu DU SB; C: Wi Vi Md Ky Mc - bps: A: To Am; B: Sr; C: Mo - pt: B: Hn PM - Y: B: Nu Ak SM; C: Le Lo Me Sw Ma Db IK Ci Tl Fr Pe Br Hr - X: Ty.
12d 00h 16m	b: B: Ir Kv Pe; C: Tw - bp: A: Nu St Gt Fū Ty Tf; B: Wi Sw Vl Ha Db Hb Od Lg Md IK Eb AA Pa Mc; C: Mo Mb Ka Ky Hr - bps: B: Mw - pt: A: Ht; B: Wn Tl; C: MB PM Pi - Y: B: Lo Ak SM; C: Le Me Ma Ci SJ - X: Aq.
12d 16h 45m	b: B: Ir Sw Tn; C: MB Am - bp: A: Mo Wn Fū IK; B: Wi Vl Gt Ha Kv Hb Lg Md Eb Kg Wk; C: Aq Lu - bps: A: Nu Kn Od Tf; B: AA Gn - pt: B: Mb Tk Tl Pi; C: Ka Ky Hr - Y: A: Ks; B: Lo Db Ak PM; C: Me Ty Ci Pe SM Tu Mc - (si: Ma - cr: Mu).
16d 20h 07m	b: A: Pe Br; B: Sw Vl - bs: A: Kn Gt Gn - bp: A: Fū Eb Gu SB; B: Wi Ty Lg Aq Tl Ka Ky Wk; C: Mb MB Lu - bps: A: Sr Mo Ha Od IK Mu AA Hn To; B: Wn Ir Kv Ma Hb Md - pt: B: Pa Ht - Y: B: Db Ci Ak SM PM - E: Co Nu Le Lo Me St Tf Tk Fr SF Ks Tu SJ Mc Tn LQ Pi Hr Am Tw Kg MI.
16d 23h 50m	bs: B: Vl - bp: A: Kn Fū Ty Lg Aq Md Eb Tl Mc Lu Tn; B: Wi Ir Sw Kv Hb MB Tw - bps: A: Mo Gt Ha Od IK AA Hr Mw; B: Ma Mu - pt: A: Am; B: Pa Ap - Y: A: SM; B: Db Ci Ak; C: SF - E: Nu Le Lo St Vi Mb Tf Fr Pe Ka Ks Tu Ky SJ Br Gn Kg MI - X: Sr PM LQ Pi To - (si: Wn).
20d 07h 40m	b: B: Ir Gt Fū Aq; C: Kv Md Eb Wk - bs: A: Co; B: Mi; C: Wn - bp: A: Si Tu Ap Am Ht; B: Wi Vi Ty Lg Mu Pa To; C: Hb Mw - bps: A: Sr SB; B: SJ Tw; C: Mo - pt: B: Hn - Y: A: SM; B: Db Ci; C: Sw Ha Ma Od IK Tl Pe Ak Mc PM - E: St Mb Tf Fr SF Ka Ks Ky Br Hr - X: Lu LQ - (si: AA).

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(AUGUST)

21d 17h 58m	b: A: Wn Gt Fū Pe Gn; B: Sw Ni Ty Aq Md Eb Tn; C: MB Hr -bp; A: Sr Kn St Hb Od Tf IK; B: Nu Wi Ir Kv Ma Db Lg Mu Kg Wk Mw; C: Mw; C: Mb Ka Ky Tw - bps; A: Mo - pt; B: Ap Ht - Y; B: Lo Ci Ak SM; C: Co Le Me Tl Tu SJ Mc PM - E: Ha Tk SF Pi MI - X: Lu LQ.
21d 22h 35m	b: B: Ty Tn - bp; A: Fū Lg; B: Nu Ma Md IK AA Mc Ht; C: Mo Kv Hb Eb Hr - bps; B: Ha Tl Mw - pt; A: Wn; B: Wi Ni Vl Gt Aq Pa; C: Tf MB PM - Y; B: Db SM; C: Le Lo Me Od Ci Pe - E; St SF Pi - X: LQ.
22d 01h 05m	b: A: SF; B: IK Pe Tu SJ Pa - bs; A: Fr MB; B: Vl Db - bp; A: Fū Lg Pi; B: Nu Mo St Wi Ha Kv Ma Od Tl SM Mu Mc Tn LQ Mw; C: Hb Mb Aq Ka Ky - bps; A: Tw; B: Le Eb Hr; C: Md - pt; A: Gt Ap; B: Wn Ht; C: PM - Y; B: Lo Ci Ak; C: Me Tf AA Br.
22d 18h 46m	b: A: Pe Ks; B: Sw - bp; A: Nu St Wn Wi Ni Gt Ha Kv Fū Hb Ty Od Lg Tf Tk IK Ci Mu Tn Kg; B: Sr Ir Vl Ma Aq Md Eb Tl AA Gn Wk; C: Mb Ka Ky Hr - bps; A: Kn Mo Db; B: Le Mw - pt; A: Pi Am SB; B: Pa Hn Tw Ht; C: PM - Y; A: SF; B: Lo Ak SM; C: Me SJ. - X: Lu LQ.
23d 17h 41m	b: A: Ma; B: Sw Gt Tw; C: Eb - bp; A: Nu Tk IK Mu Wk; B: Sr St Ir Vl Ha Fū Od Lg Tf AA Hn To Am Kg Mw; C: Wn Wi Kv Hb Mb Md Ka Ky Hr DU - bps; A: Gn; B: Kn - pt; B: Pi Ht; Y: A; SM; B: Lo Db Ak; C: Le Me Ci Pe Tu SJ PM Tn Br - X: Mo LQ.
24d 09h 18m	b: B: Si - bs; A: Co - bp; B: Sr Ap Tn To Ht; C: Lg MI - bps; A: Am C: Vi - pt; A: Gn; B: Wi Tf Hn PM; C: Mb Aq Tk Md? Ka Ky - Y; B: SM; C: Me AA Mc Br - X: St SF Lu LQ.
24d 09h 37m	b: B: Ir SB; C: Gn - bs; A: Co - bp; A: Ap Ht; B: Lg Tu; C: To - bps; B: Vi - pt; A: Am; B: Wi Hn; C: Tk Md PM - Y; B: SM; C: Ha Fū IK Fr Pe AA Mc - E: MI - X: St Ty Lu LQ.
24d 17h 38m	b: B: Br - bp; B: Sr Kn Ir Mb Lg IK Ka Ky Mu Hn Am Wk; C: Nu Kv Vi MI - bps; A: Gn; B: To - pt; A: Fū Od Tf Tk Md Pi; B: Wn Wi Ni Gt Ha Db Aq Eb Tl MB Pa PM Ap Tn Ht; C: Tw - Y; A: SM; C: Ty Pe Gu - X: LQ.
24d 19h 30m	bp; C: Mw - pt; A: Nu Wn Fū Lg Tf Ak; B: Co Sr Lo St Wi Ir Ni Gt Kv Db Hb Ty Od Aq Tk Md IK Tl SM Mu Pa Tn Hr Am Kg Wk; C: Ha Vi Mb Eb Ka Ky SJ AA Mc PM Pi Gn - E: Sw Ci - X: LQ.
25d 15h 23m	b: C: Kv - pt; A: Mu; B: Sr Ir Gt Ty Od Mb Lg Tf Tl Ak SM Ka Ky Pa Mc Hn Lu PM Tn Gn To Am DU Mw; C: Lo Wn Ha Db Fū Hb Aq Tk IK Eb Gu AA Pi Hr Kg MI Wk - E: Sw Ci Ap-X: St LQ Br.
26d 18h 49m	bp; C: Kv Wk - bps; B: Gn - pt; A: Sr Gt Ty Tf Tk Ak Lu Tn Pi Ht; B: Nu Lo Sr Wn Wi Ir Ha Fū Od Lg Aq IK? Eb Tl SM Mu Mc Hn Hr Kg Mw SB; C: Db Hb Mb Ka Ks Ky MB AA PM To MI DU - E: Sw Ci - X: Pa LQ.
26d 23h 56m	b: A: Pe - bs; A: SF - bp; A: Fū Ty Od Lg IK Tl Mc Tn; B: Kn Mo St Wn Sw Vl Kv Md Eb Lu Hr Tw; C: MB Gn - bps; A: Nu Gt Ha; B: Wi Ni Ma Db Hb Aq Fr AA Mw; C: Le - pt; A: Am; B: Hn PM Ap Wk; C: Mb Ka Ky - pg; A: Mu; B: Ty - Y; A: Lo SM Ks; B: Ci Ak; C: Me Tu SJ - X: Pa LQ To MI.
27d 20h 07m	b: A: Pe Ap Tn; B: Sw Vl Gu Hn Ht; C: Pa Hr - bs; A: Ho Gn; B: Ir SB; C: Vi - bp; A: Ma Fū Lg IK Mu AA; B: Wi Gt Kv Ty To Kg; C: Wn Mb Eb Ka Ky Mw - bps; A: Nu; B: Kn Mo Ha Hb; C: Md Mc? - Y; A: SM SF; B: Lo Db Ak PM; C: Le Me Ci Tl Fr Tu SJ Br - E: St Tf Tk Fr Pi Tw - X: LQ Am - (si: Od Aq?).
30d 03h 14m	b: A: Gt Ty Pe SF MB SB; B: Vl Ha IK Eb; C: Md - bs; B: Od - bp; A: Fū Pa Pi Am Tw Ht; B: Wi Kv Hb Lg Tl Hr; C: Lu - bps; B: Mu C: Mo - pt; C: PM - Y; A: SM; B: Db Ak; C: Co Si Sw Ci AA Mc Hn Tn - E: Nu Le Lo St Wn Ma Mb Aq Tf Fr Ka Tu Ky To MI Mw - X: LQ Br - (si: Vi).
31d 17h 37m	b: A: Pe; B: Wn Wi Ir Sw Ma Lg Tn; C: Ha - bp; A: Gt; B: Kn Mo Ni Vl Kv Fū Hb Ty Od Md IK Tl AA Kg; C: Mb Eb Ka Ky Lu Hr Wk

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(AUGUST)

- bps: A: Nu; B: Le - pt: A: Pi; B: Mu SB; C: Tk PM - Y: A: Tf SF;
B: Ak Lo SM Ks; C: Db Ci - X: LQ.

31d 21h 16m b: A: Wn Ma Hb Ty Ci Pe SF Mc Tn; B: Ir Sw Tk Ks Mu; C: Tw
- bp: A: Nu Kn Gt Ha Kv Fū Od Md IK Eb AA; B: Le Mo Wi Ni V1
Lg Aq Tl Lu; C: Mb Ka Ky Pi Hr Wk - pt: A: SB; B: Ht; C: PM-Y:
A: Tf; B: Lo Ak SM; C: Db Tu SJ - X: St LQ.

SEPTEMBER

01d 21h 51m b: C: Pe - bp: A: Fū Tn; B: Nu V1 IK? Eb Mw - pt: A: Wn Ma Od Tf
Md; B: Lo Wi Ni Gt Ha Kv Aq Tl Mu Mc Ap Pi Hr Am SB; C: Hb
Ty Mb Tk Ka Ky MB - Y: A: Db; C: Sw Ci Ak SM AA - X: St LQ.

02d 05h 01m b: B: SJ SB - bp: B: Nu V1 Lg Wk; C: Hr - bps: A: Tw Ht; B: Ha; C:
Vi - pt: A: Pi; B: Wi Ty Mu Pa Am; C: Wn Aq Mb Tf Md Ka Ky MB
Mc - Y: A: Me; B: Ak SM Tu; C: Gt Ma Fū IK Fr AA - X: St Pe LQ
Br.

03d 00h 52m b: A: Pe Tn; B: Ir V1 SJ; C: MB - bs: C: Vi - bp: A: Kn Fū T1AA Mc
Lu Hr Am; B: Sr Wn Wi Sw Kv Hb Lg Aq Md IK Pa Tw; C: Mb Ka
Ky Gn - bps: A: Mo Ni Gt Mu; B: Ha Hn - pt: A: Ht; C: Pi - Y: A:
SM; B: Lo Db Ak; C: Nu Le Si Me Ci Fr - E: St Tf SF Tu - X: Ty
Eb LQ.

04d 17h 28m b; B: Sw Ty; C: MB - bs: A: Gt Pe - bp: A: Fū Mu; B: Kv Mb Hb Lg
Eb Tl Ky Hn Wk; C: Mb Ka AA Lu - bpe: A: Sr Kn Mo Od IK Gn
Mw; B: Wi Ir Ha; C: Wn - pt: B: Ht SB - Y: A: Tn; B: Lo Db Ci Ak
SM; C: V1 - E: Co Nu Le Me St Aq Tf Tk SF Ks Mc PM Pi Hr Am
Kg MI - X: Md LQ Br To.

05d 17h 47m b: A: Fū Eb Gn; B: Sw Ha Kv Ty; C: Wn - bs: A: Pe; B: Ir - bp: A:
Sr Aq IK; B: Si Wi Hb Lg Hn Wk; C: Mb Ka Ky Lu To - bps: A: Kn
Mo Od Mu - Y: B: Lo Ak Tu; C: Co Gt Ci SM AA - E: Nu Me St Ma
Db Tf Tk SF Mc PM Tn Pi Hr Kg MI - X: Md LQ Br.

06d 14h 22m b: C: Kv Pe - bp: B: Sr Ir Lg Mu Hn To; C: Mo Hb Mb Ka Ky PM
- bps: B: Gn - pt: A: SB; B: Ty Tf Pa - Y: B: SM; C: Gt Ha Fū IK Ak
MI - X: St Md LQ Br Pi.

06d 22h 22m b: A: SF; B: Sw Gt Fū Od IK Fr MB Wk; C: Wn Pa - bp: B: Mo Ha
Ir Kv Hb Ty Lg Eb Lu Tw Kg Mw; C: Mb - pt: A: SB; B: Wi Ap Am
- Y: B: Nu Lo Db SM; C: Le Ma Ci Tl SJ - X: St Md LQ Br Ht.

07d 12h 06m b: B: Ir Ty Pe; C: Kv Hr - bs: A: Co Ap Br Gn To; B: MI - bp: A: Vi
Mb Ky Gu Ht SB; B: Ha Lg Ka Mu Hn Lu PM Wk DU; C: Wi Ma -
bps: A: Sr Si Od Ho Am; B: Mo; C: Hb - Y: B: Ak SM Tu; C: Sw Gt
IK Ci Fr SJ - E: Nu Me Fū Aq Tf Tk Eb Mc Tn - X: St Md SF LQ
- (si; Lo? Wn Mw - sfe: Pi).

08d 07h 30m b: A: Si; B: Co Ir Od Ho Tw Ht; C: Aq - bs: B: Fr - bp: A: Am; B:
Vi Hb Lg; C: Mb Ka Ky - Y: B: Ak SM Tu; C: Ty Tf Ci Tl SF SJ
Mu Mc Br - E: Nu Me Fū PM Wk - X: St Md Lu MI.

08d 10h 56m b: B: Co Ir Br; C: Pe - bs: A: Sr; B: Ap MI - bp: B: Nu Si Lg Hn Gn
Ht SB; C: Mo Mb Ka Ky PM - bps: A: To Am; B: Vi - pt: B: Tf - Y:
C: Me Sw Gt Ha Fū Od IK Ci SM Tu Mu Mc - X: Kv Md.

09d 02h 29m b: B: Co; C: Pe - bp: B: Nu Vi Lg Mu Tw - pt: A: Pi; B: Aq Tf Pa
Hn LQ Am; C: Kv Db Mb Ka Ky MB Hr Wk - Y: B: Me SM; C: Le
Si Sw Gt Ha Fū Ci Tl Fr Tu SJ Mc - E: Br - X: Ty Md.

09d 23h 33m b: B: Sw IK Ak; C: Gn - bp: A: Nu Gt Tf; B: Mo St Wn Wi V1 Ha Kv
Ma Db Fū Hb Od Lg Aq Md Eb Tl Mu AA; C: Mb Tk Ka Ky Mc
Mw - pt: B: Ni Hr Am; C: LQ Pi - Y: B: Lo Ci SM; C: Le Me Tu-X:
Ty Pe.

11d 01h 50m b: A: Hb Od IK Ci Pe SM SF MB Tn; B: Ni Ak Tw; C: PM Gn - bs:
A: Ks; B: Ma Fr Mw - bp: A: St Fū Lg Tf Mc; B: Sw Aq Md Eb Tl
Mu AA Pa Lu LQ Pi Hr; C: Mb Ka Ky - bps: A: Nu Kn Gt Ha; B:
Mo Wn Wi V1; B: Lo - Y: C: Le Me Tu SJ - X: Kv Ty.

13d 00h 54m b: A: Pe; C: Tw - bp: A: Gt Fū Hb Ty IK; B: Nu Mo St Wn Wi St V1

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(SEPTEMBER)

	Ha Ma Od Aq Md Eb Tl SM AA Mc Lu Mw; C: Mb Hr - pt: B: Pa Ht SB - Y: B: Lo Db Tf Ci Ak; C: Le Tu - X: Kv Lg.
13d 13h 46m	b: A: Co; B: Si Ir Ap Br - bs: C: MI - bp: A: Sr Am; B: Hn To; C: Mb Ka Ky PM Gn Wk - bps: B: DU - pt: B: Tf; C: Aq - Y: B: Me SM; C: Tu Mu - X: Md SF Pa LQ.
13d 23h 49m	b: A: Ty IK MB Tn; B: Ir Fr Ak Br Gn Tw Ht - bs: A: Pe - bp: A: Nu Kn St Ni Ha Kv Ma Fū Hb Aq Tf Md Eb Tl AA Mc Lu; B: Wi Sw Db Lg Hr Kg Mw; C: Mb Ka Ky - bps: A: Mo Gt Od; B: Wn V1 - pt: B: Pa Ap - Y: A: SF; B: Lo Ci Tu; C: Le Me - X: SM PM To SB.
15d 03h 52m	b: B: Lg - bp: B: V1 Ha; C: Eb - pt: A: LQ Pi Am Tw; B: Nu Lo St Wn Wi Gt Fū Aq Tl MB Pa Hn Hr SB; C: Mb Tk Md Ka Ky Gn - pg: A: Mu - Y: A: SM; B: Db Ci; C: Me IK SJ - X: Ty PM.
17d 20h 35m	b: B: Sw - bs: A: Mw - bp: A: Fū Tf IK; B: Kn Mo Ir Kv Ty Lg Pe Mu AA Mc Gn Hr Wk; C: Mb MB To Tw - bps: A: Nu St Wn Gt Ha Ma Od Md Ks; B: Wi V1 Db Hb Aq Eb - pt: A: Tk Ap Ht SB; B: Ni Ci Pa Hn LQ Pi; C: Ka Ky Am - Y: A: SM; B: Lo Tn; C: Co Me Fr Tu - X: MI - (ssc: Le - si: Tl).
20d 08h 29m	b: B: Mc SB - bp: B: Od - bps: B: Vi - pt: A: Tf Ap Pi; B: Wi Aq Tk Md IK Eb Tl Ka Hn Gn Hr Tw Ht; C: Mb Ky MB - pg: A: Mu Am - Y: A: SM; B: Ks MI; C: Me Fū Ci Tu SJ - X: Pa.
20d 22h 56m	b: B: Pe Tn - bs: B: Mw - bp: A: St Gt Fū SM Tw; B: Nu Wi Sw V1 Ha Kv Ma Hb Od Lg Aq Md Eb Tl AA Pa Mc Lu Hr Mw - bps: B: Le - pt: A: Wn Tf; B: Ty MB Mu Hn Ap; C: Mb Ka Ky - Y: A: SF B: Lo Db Ci; C: Me - X: Kn Ht.
23d 10h 13m	b: B: Ir; C: Wn Eb MI - bs: A: Co - bp: B: Ha Lg Ap To Tw SB; C: Mo Kv Lu - bps: A: Am; B: Si Vi Fr - pt: A: Tf; B: Mb Aq Mu Hn; C: Ka Ky Gn - Y: A: SF; B: Me Db SM Tu; C: Nu Lo Gt Ma Ty Od IK Ci SJ - E: Fū Md - X: Pa Br.
23d 22h 35m	b: B: Pe Tn - bs: B: Mw - bp: A: St V1 Ma Fū Od IK; B: Wi Sw Kv Hb Ty Lg Aq Md Lu Kg Mw; C: Mo Eb Mc Gn - bps: A: Nu Gt Ha - pt: A: Wn Tf SM MB Ap Pi Ht; B: Ci Tl Mu Pa Hn LQ Hr Tw Wk; C: Mb Ka Ky - Y: B: Lo Db; C: Le Me Ak SF AA - X: Br.
24d 16h 31m	b: B: Co Fū Ty Od Aq Pe; C: Md Eb Hr - bp: A: Kn Mu Gn; B: Sr Mo Ir Kv Mb Lg IK Ka Ky Hn PM To Am Wk; C: Hb Lu - pt: A: SB; B: Pa Ap; C: Tk - Y: A: SF; B: Ma Tf SM; C: Le Lo Si Sw Gt Ha Db Ci Gu Tu MI - E: Me LQ Pi - X: Br.
26d 01h 13m	b: C: Pe Tn - bp: A: Fū SM Tw; B: St Sw V1 Ha Lg Eb Pi SB; C: Aq LQ Hr - bps: B: Fr - pt: A: Gt Od Mu; B: Wn Wi Ma Db Ty Tf Md Eb Ci Tl MB Pa Mc Hn Am; C: Ka Ky - Y: B: Me Ks; C: Nu Le Lo Tu SJ - X: Sr Kv Tn Br.
28d 14h 35m	b: B: Co Ir - bp: B: Sr Mu Hn To MI; C: Mb Ka Ky PM - bps: B: Gn - pt: A: Tf; B: Db Pa Am Wk; C: Ty Aq IK Ci LQ Pi - Y: B: SM; C: Me - X: St.
30d 00h 14m	b: A: IK Pe Mc; B: MB Gn; C: To - bs: Hb - bp: A: St Fū Lg S M A A; B: Kn Wi Sw Ni Kv Ma Ty Od Aq Eb Tl Pa Hr Kg; C: Pi Tw Mw - bps: A: Nu Md; B: Mo Wn V1 Gt Ha Lu - pt: A: Ht; B: Am SB - Y: A: Tn; B: Lo Db Ci Ak SF; C: Le Tf Tu SJ Mu - E: Me Ks - X: Hn.
30d 18h 47m	b: A: Pe; B: Ir Sw Mu Tn Ht SB; C: Mc - bs: B: Hb - bp: A: Wn Gt; B: Wi Ni Kv Fū Ty Lg Aq Md Eb AA; C: Tw Kg - bps: A: Nu Kn Mo Od IK - pt: B: Ap Wk; C: Mb Ka Ky - Y: A: Tf Ks; B: Lo Db Ak SM; C: Co Ha Ci Tl - E: St Ma Tk SF Tu PM LQ Br Pi Hr To MI - X: Hn.
30d 19h 46m	b: B: Ir Sw Mu Tn; C: Pe - bs: B: Hb - bp: A: Fū; B: Nu Wn Wi Gt Ha Kv Ty Od Lg Md Eb Tl SJ AA Wk Mw; C: Mb Ka Ky Tw - bps: A: Mo - pt: A: SB; B: Ni Aq Pa Am - Y: A: Tf; B: Lo Db Ak SM; C: Me IK Ci Tu Br Hr - E: St Ma Tk SF PM Pi Gn To Kg MI - X: Hn Ap LQ.

TABLE 2a BAYS AND PULSATIONS 1960 - continued

OCTOBER

01d 08h 34m	b: A: Ht; B: Tu SJ - bs: A: Br; B: Vi - bp: A: Mu Gn; B: Lg Wk SB; C: Kv Hb Tw - bps: A: Sr Si Ho Gu PM Ap To Am; B: Kn Mo Ir DU; C: Mb Ka Ky - pt: C: Tn - Y; B: Ak SM; C: Lo Sw Gt Ha Ma Db Ty Ci AA - E: Co Nu Me Fū Tf Tk Fr LQ Pi MI Mw - X: SF Hn Lu.
01d 13h 25m	b: A: Mo Pe Ap Gn; B: Ir Ty Mc - bs: A: Br; B: MI - bp: A: Si Ht; B: Hb Od Lg Md Mu To Kg Wk; C: Vi Lu - bps: A: Am; B: DU; C: Mb Ka Ky - pt: A: SB - Y; A: Tf; B: Lo Ak PM; C: Sw Gt Ha Ma IK Ci SM Tu Ho SJ AA - E: Co Nu Me Db Fū Aq Tk Eb SF LQ Pi Hr Mw - X: St Kv Hn.
01d 20h 59m	b: A: Hb Ty Ci SJ Mu Mc; B: Ir Sw Ak Tu Hu; C: Vi - bs: A: Mo Gt IK Pe SM SF Ks Gn; B: Db - bp: A: Sr Kv Fū Lg Tf Eb Tl Ap Am; B: Pa Hr To Wk; C: Pi - bps: A: Kn Wn Wi Ni Ha Ma Od Aq Md AA Lu Tw; B: Vl Mb Ka Ky Kg Mw - pt: A: Ht SB; C: MB - Y; A: St Tn; B: Lo; C: Le Fr Ho LQ Br - E: Nu Me Tk - X: Hn Pi.
02d 08h 04m	b: A: Ap Br; B: To MI - bp: A: Ho PM; B: Ir Lg Ky; C: Vi Mb Ka - bps: A: Am - pt: B: SB - Y; A: SF; B: Db; C: Si Ha Ma Od Tf Ci Pe SM Mu Gu Lu - E: Co Me Fū Tu - X: Kv Hn Pi Ht.
02d 11h 36m	b: A: Pe SJ Ap Br; B: Vi Ty Ho; C: Wn - bs: A: Sr; B: Od - bp: A: Si Mu Gu PM; B: Hb Lg DU; C: Md Tw - bps: A: Mo Mb Ka Ky Gn; B: Ir - Y: B: Lo Db Ak; C: Sw Ha Tf IK Fr SM AA - E: Co Nu Me Fū Aq Tk Eb SF Tu LQ Pi Hr KG MI - X: Kv Mc Hn.
02d 13h 44m	b: A: Br; B: Wn Ap - bs: A: Mu Gn - bp: B: Si Ir Hb Ty Lg AA PM To Wk DU Mw - bps: A: Sr; B: Mo Wi Od Ky; C: Ka - Y: A: Tf Ks; B: Lo Db Ak; C: Sw Gt Ha Ma IK Pe SM Tu SJ Gu - E: Co Nu Me Fū Aq Tk Md SF LQ Pi Kg MI - X: Kv Hn.
02d 16h 43m	b: B: Ir Sw Ty; C: MB? Gn - bs: A: Od IK Pe; B: Kg - bp: A: Mo St Ni Fū Lg Mc; B: Gt Eb Tl Hr Mw; C: Mb Tw - bps: A: Wi Ha Ma Db Aq Md AA Lu; B: Kn Wn Vl Hb - pt: B: Ht SB; C: PM Wk - Y: A: Tf Tn; B: Lo Ci Ak SF; C: SM Tu SJ Mu Br - E: Co Nu Me LQ MI - X: Kv Hn Pi - (si: Le Tk).
03d 09h 49m	b: A: Br; B: Si Ir Kv Fū Vi Ty Fr Pe Tu Ho SJ Mu Gn To: C: Wn Aq Eb MB Hr - bs: A: Co Ap; B: MI - bp: A: Sr Ht SB; B: Le Mo Od Mb Lg Md Ka Ky Pa Lu PM LQ Pi; C: Hb Tk Tw Wk Mw - bps: A: Am - Y: A: SF; B: Tf Ak; C: Lo Me Sw Ha Db IK SM - E: AA - X: Ci Mc Hn.
04d 18h 16m	b: A: Ni Ap Br; C: MB - bs: A: Vl Ha IK; B: Mo - bp: A: Gu; B: Kv Ma Lg Tn Lu PM Wk Mw; C: Mb Ka Ky - bps: A: Sr Gt Md; B: Wi Ir Hb - pt: A: Am; B: Hn SB - Y: B: Db SM; C: Sw Ty Pe MU AA - E: Co Nu Le Lo St Vi Fū Od Aq Tf Tk Fr SF Ks Tu Ho SJ Mc Tn LQ Pi Gn Hr To Tw Kg MI DU.
05d 22h 00m	b: B: Ir - bs: B: Pe - bp: A: Sr St Fū Lg; B: Wn Wi Ni Vl Gt Ha Aq IK Mu Lu Kg; C: Vi Mb Eb Ka Ky Hr - bps: A: Nu AA Gn Mw; B: Kn Mo Od Md Wk; C: Hb - pt: A: Am Ht; B: Ap SB; C: MB - Y: A: SM Ks; B: Lo Db Tl Ak Tn; C: Le Sw SJ - E: Me Ma Ty Tf Tk Fr SF Tu Mc Hn PM LQ Br To Tw MI DU - X: Kv Pi.
07d 11h 22m	b: A: To Ht; B: Ty Pe; C: Kv - bs: A: Gn; B: Kn Mo Od Mu Br; C: Vi - bp: B: Lg; C: Mb Md Eb - bps: A: Hn Pm Ap; B: Ir; C: Hb Ka Ky - pt: B: SB - Y: B: Nu Ak SM; C: Lo Sw Gt Ha IK Ci SJ Gu - E: Co Sr Le Si Me St Wn Ma Db Fū Aq Tf Tk Fr SF Tu Ho Mc LQ Pi Hr Tw Kg MI Mw - X: Tn - (si: AA Am).
09d 14h 31m	b: A: Wn Fū IK Eb Pe SF Br; B: Sw Ni Gt Kv Ty Aq Md Ap Tn; C: Vi MB Mc? Hr - bs: A: Mu; B: Co Ir Ma Od - bp: A: Ha Hb Ht; B: Si St Wi Vl Db Lg PM To Am Wk; C: Tl Lu - bps: A: Sr Nu Kn Mo Mb Tf Ka Gu Hn DU; B: Ky - Y: A: SM; B: Lo Ci; C: Le Tu SJ AA Kg - E: Me Tk LQ Pi MI.
09d 19h 12m	b: A: Hb Pe; B: Ir MB Mc Tn - bp: A: St Kn Fū Ty Tf AA; B: Mo Wi Ni Kv Db Lg Aq Md IK Eb Lu; C: Tl Hr - bps: A: Nu Gt Ha; B: Wn Vl Ma Od Mw - pt: A: Ht; B: Wk SB - Y: A: SF; B: Lo Si Ak SM Ks; C: Le SJ PM - E: Me Tk LQ Pi - X: Ap Am.

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(OCTOBER)

09d 21h 26m	b: B: Ir Pe Mc Tn; C: Aq MB - bp: A: Nu St Gt Ty Lg AA; B: Mo Wn Ni V1 Kv Db Fū Hb IK Eb Tl Lu Kg; C: Md Hr - bps: A: Ha; B: Wi Ma Od - pt: B: Am Ht; C: MI - Y: A: SF; B: Lo Ci Ks; C: Sw Tf Ak SM - E: Me Tk Pi - (si: Le).
09d 22h 04m	b: A: Pe SB; B: Wi Ty Fr SJ MB Pa Mc Tn Br; C: Gn - bp: A: Nu St Lg Tl LQ Pi Tw; B: Sr Kn Mo Wn Gt Kv Fū Hb Od Eb Mu Hr; C: Mb Aq Ka Ky - bps: A: Ha AA; B: V1 Ma Md Lu Hu Mw - pt: A: Tf; B: Am; C: MI - Y: A: SM; B: Lo Db Ci SF Ks; C: Le Sw IK PM - E: Me Tk.
11d 20h 08m	b: B: Sw Ma Db; C: Hb - bp: A: Ha Fū IK; B: St Wi Ir Ni V1 Gt Ty Od Lg AA Tn; C: Md Eb Gn - bps: A: Nu - pt: A: Wn; B: Aq Tl Hu LQ Pi Hr; C: Mb Tk Ka Ky Mc MI - Y: B: Lo Tf; C: Le Ci Ak SM Tu - X: Kv Pe Mu Ht.
12d 19h 21m	b: A: Tn; B: Sw Hb - bp: A: Nu Kn Tf IK; B: Mo St Wn Ir Gt Ha Kv Fū Od Lg Tk Tn Gn; C: Ma Aq Eb Wk Mw - pt: A: Ty; B: Wi Db Md Tl Pa Hu LQ Pi Hr; C: Mb Ka Ky MI - Y: B: Lo Ak; C: Ci SM Mu AA - X: Pe Ks Am.
12d 21h 28m	b: A: Tn; B: Sw - bp: A: Wn Ni V1 Gt Fū Ty Od Md IK Tl AA; B: Kn Mo Wi Ir Kv Hb Lg Eb SM; C: Hr Tw Wk - bps: A: Nu St Ha Ma; B: Le Db Aq Mw - pt: A: Tk MB Pi; B: Hu Mc; C: Mb Ka Ky LQ - Y: A: Lo Tf; B: Ci Ak; C: Mu - X: Pe Ks.
15d 10h 42m	b: B: Nu Ir - bs: B: MI - bp: B: Sr - bps: A: Am; B: Vi - pt: A: LQ Pi Ht; B: Mb Tf Hn Gn To; C: Aq Tk Md Ka Ky MB PM Hr Tw - pg: B: Mu - Y: C: Me Sw Gt Ha Ty Od IK SM Tu AA - E: Fū - X: Kv Hb Pe Ks Pa Ap - (ccs: Co).
15d 16h 26m	b: B: Ty Od Br - bp: A: Mu Gn; B: Sr Ir Mb Ka Ky Gu Hn PM To; C: Hb - bps: B: Mo - pt: B: Wi Tf SB - Y: B: SM Pa; C: Le Lo Si Sw Gt Ha Db IK Ci Tu - E: Me Fū Tk LQ Pi MI - X: Kv Pe Ks Ap.
16d 12h 32m	b: B: Co Si Pe Br - bs: B: Le - bp: B: Sr Ir Od Hn Ap To Tw MI DU; C: Vi Mb Ka Ky PM - bps: A: Am - pt: B: Tf Gn Ht; C: Aq LQ Pi - pg: A: Mu - Y: B: Me Db; C: Sw Fū SM Tu - X: Kv Ma.
18d 08h 07m	b: B: Ap Br - bs: A: Co; B: MI - bp: B: Ir Mu Hn To; C: Vi Mb Ka Ky PM - bps: A: Si Am - pt: B: Hu - Y: B: Tf SM; C: Tu SJ - X: Kv Lu.
18d 18h 39m	b: A: Ty Tn; B: Sw Db; C: MB - bs: A: Ha Hb Pe Ks Kb; B: Ir - bp: A: Fū Tk; B: St Ni V1 Kv Mb Lg Ka Ky Mc Hn To Am Wk; C: Lu PM Hr - bps: A: Sr Nu Kn Mo Wn Gt Od Tf IK Tl Mu AA Gn; B: Wi Ma Aq Md Eb - pt: A: Ht; B: Ap SB - Y: A: SF; B: Lo Ci Ak SM Br; C: Le Me - E: LQ Pi MI.
19d 15h 42m	bp: A: Mu; B: Sr Kn Ir Hb Od Mb Ka Ky Hn Gn To MI DU; C: Mo Tw Wk - pt: B: Tf Pi - Y: B: Br; C: Co Gt Ma Db Fū IK Pe SM - X: Mw.
19d 20h 58m	b: A: IK Ci Pe Ks Tn; B: Wi Ir Sw Ty Lg Ak - bp: A: Nu St Gt Ha Kv Hb Od Tf AA; B: Kn Wn V1 Ma Fū Aq Tk Md Eb Tl Kg; C: Mb Ka Ky Hr Tw - bps: B: Le Mo - pt: A: Ht; B: SB - Y: B: Lo Db SM; C: SJ Mu - X: Mw.
20d 04h 55m	b: B: Lg Tu - bp: B: SJ; C: Vi Mb Ka Ky Tw - pt: B: Tf Pa LQ Pi Am Ht - Y: B: Ks; C: Me Sw Od Fr SM - X: Hb Mw.
20d 09h 21m	b: B: Ir Fr SJ; C: To - bs: B: Vi - bp: A: Tu Ht SB; B: Lg Hu Am Tw C: Mb Ka Ky Wk - pt: A: Tn; B: Tf Ap; C: Md Gn - Y: B: Me SM Ks C: Co Ak Ho - E: MI - X: Hb.
20d 15h 13m	b: A: Co; B: Lg Ap; C: Kv Vi Aq Eb - bp: B: Ir Od Ka Mu To; C: Mo Md PM - pt: B: Am; C: Wn - Y: B: Me Br; C: Si Gt Ha Ma Fū Ty Tf IK Fr Pe SM Tu Gu Tn - E: MI - X: Hb Pi.
20d 20h 59m	bp: C: Mw - pt: A: St Gt Od Tf Tn Ht; B: Sr Nu Le Lo Wn Wi Ir Ha Kv Db Fū Ty Lg Aq Md IK Tl Ak Mc Lu Hu SB; C: Me Tk Eb Ci SM Mu AA Hr Tw - E: Sw - X: Hb PM LQ Pi Kg.
20d 21h 45m	b: B: Sw Pe Ht - bp: A: St Kn Kv Fū Ty Lg Tf IK AA Tn; B: Mo Ir

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(OCTOBER)

Db Md Eb Tl Mc Wk; C: Hr Mw - bps: A: Nu Wn Gt Ha Od; B: Le Wi Vl Ma Aq - pt: A: SB; B: Tk Hu Ap Am; C: Mb Ka Ky Gn MI - Y: A: Lo Ks; B: Ci Ak SM; C: Me - X: Hb LQ Pi.

- 21d 10h 28m b: A: Co; B: Ap; C: Gn - bs: B: MI; C: Vi - bp: A: Sr; B: Si Ir Mu Hn To Am; C: Mb Ka Ky PM - pt: B: Hu Ht; C: Md - Y: B: SM Br; C: Me Tu.
- 21d 20h 59m b: A: Ci Pe SF; B: Sw Ak SJ; C: MB - bs: A: SM - bp: A: Nu Gt Ha Kv Db Fū Hb Ty Tf IK Tn; B: Sr Kn St Wn Ir Vl Ma Lg Aq Tk Md Eb Tl Mc Lu LQ Pi Hr Wk; C: Mb Ka Ky Gn Tw - bps: A: Od AA; B: Mo Wi Mw - pt: A: SB; B: Hu Am Ht - Y: B: Lo; C: Le Fr Tu Mu.
- 22d 07h 44m b: B: AA - bp: B: Co Tu MI; C: Vi - pt: A: Ap Tn LQ Pi; B: Db Tf Eb Tl Pa Hn Hu Hr; C: Wn Ha Kv Mb Aq Md Ka Ky MB To - pg: A: Mu Am - Y: B: Me; C: Si Fr SM Ks - X: Pe Lu Ht.
- 23d 20h 22m b: B: Sw - bp: A: Nu Gt Ha Ty Lg Tf IK Tn; B: Le St Wi Vl Kv Fū Hb Od Aq Md Mc Mw; C: Kn Mo Eb AA - pt: A: Wn Tk MB; B: Ma Tl Pa Hn Hu Ap Pi Hr; C: Mb Ka Ky Gn Tw - Y: A: Ks; B: Lo Db Ak; C: Ci Pe SF - X: SM Lu Lq Ht.
- 26d 17h 20m b: C: Kv - pt: A: SB - pg: A: Co Me MI; B: Si; C: Vi SM Mu Hn - E: Nu Sw Ci LQ Pi - X: Ht.
- 27d 16h 33m b: A: Mu; B: Si Gt Vi Od IK Pe Mc Gn; C: MB Hr - bs: A: Ap Br To; B: Co Ir - bp: B: Wi Hb Lg Md Eb Tl Ka Lu Am; C: Mb Ky Tw - bps: B: Mo Hn PM - pt: B: Pa SB - Y: A: SF; B: Ak; C: Sw Ma Tf Ci SM Tu Gu AA - E: Nu Lo Kn Me St Wn Ha Db Fū Aq Tk Fr Ks Tn LQ Pi Kg MI - X: Kv - (si: Ty).
- 28d 17h 03m b: B: Sw Br; C: Mc - bs: A: Gt Pe Mu Gn; B: Wn Ir Hb Od - bp: A: St Ni Ha Fū SB; B: Sr Vl Kv Ty Lg Aq Eb Tl Ka Ky Hn Lu Am; C: Mb Hr - bps: A: Mo Md IK AA; B: Kn Wi; Y: A: Ks; B: Lo Ma Db Tf; C: Si Ci Ak Gu PM - E: Co Me SF Tu Tn LQ Pi To Kg MI - X: SM - (si: Nu Tk).
- 29d 00h 47m b: A: Gt Hb Aq IK SF Ks MB Mc Tn; B: Ir Br - bs: A: Pe SM; B: Vi Fr - bp: A: Nu St Wn Ha Fū Ty Od Lg Tf Eb Tl Wk; B: Sr Kn Sw Ni Kv Tu SJ Mu Gu AA Pa Lu Hu Hr Kg; C: Mb Ka Ky Hn LQ Pi Tw - bps: A: Mo Md Mw; B: Wi Vl Ma - pt: B: Am Ht - Y: B: Lo Me Db Ci Ak; C: Le Si PM - E: Tk To DU.
- 29d 12h 46m b: A: Mu Gn; B: Ir Kv Ty Pe Br - bs: A: Sr - bp: A: Kn; B: Hb Od Lg Hn PM; C: Mb Ka Ky Tw - bps: A: Mo - pt: A: SB; B: Pa - Y: B: Tf Ak; C: Lo Si Sw Gt IK SM SJ - E: Co Nu Me St Wn Wi Db Fū Aq Tk Md SF Mc Tn LQ Pi Hr To Kg MI DU.
- 29d 15h 56m b: A: Kv Ty IK Eb Pe Br Gn; C: Wn Wi Hr - bs: A: Nu; B: Ma Od - bp: A: Sr Gt Hb Md Mu; B: Si Ir Ha Mb Lg Tl Ka Ky Gu Hn Lu PM To Wk; C: Vi - bps: A: Kn Mo - pt: A: Ht SB; B: Pa Ap - Y: B: Lo Tf Ak; C: Sw Db Ci - E: Co Me St Fū Aq Tk SF Mc Tn LQ Pi Tw Kg MI DU - X: SM.
- 29d 18h 00m bp: B: Gt Mw - pt: A: SB - pg: A: Co Ty SF MI; B: Me Lg SM Tu Am; C: Sr Wn Kv Hb Od Tf SJ MB Mc To; E: Sw Vi Fū Ak Ci PM LQ Pi Ht.
- 30d 13h 45m b: B: Pe; C: Kv - bs: A: Mu; B: Ir Gn - bp: B: Sr; C: Hb MB Ky To - bps: B: Mo Hn PM; C: Ka - Y: B: Ak; C: Si Gt Ty Od IK SM Gu Br - E: Nu Lo Me Fū Tk Md LQ Pi Hr Am MI Mw.
- 31d 23h 05m b: B: Pe - bp: A: Gt Ha Fū Lg; B: Nu St Wi Vl Ty IK Eb Tl AA Tw; C: Kv Hb Md MB Mc Lu Hr - pt: A: SB; B: Wn Aq Pa Hu Ap; C: Pi - Y: A: SM Ks; B: Lo Db Ci Tn; C: Le Sw Od Fr Tu SJ - E: Me Ht - X: LQ To.

NOVEMBER

- 01d 21h 20m b: B: Sw Pe; C: Pa - bs: A: SF - bp: A: Nu Fū Ty IK; B: Mo Kv Ma Hb Lg Md Tl AA Mc Tn Tw; C: Lu - bps: A: St Ha; B: Le Wi Od Aq Eb - pt: A: Wn Gt Tf Ap; B: Ni Db Hu LQ Hr; C: Mb MB Pi - Y: A: Lo SM; B: Ks; C: Ir Ci Kg - E: SB.

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(NOVEMBER)

01d 21h 37m	b: A: Ci - bs: B: Pe Mu; C: MB - bp: A: Nu Tl SM; B: Wi V1 Lg Md SJ AA Lu Hr Tw Mw; C: Mb Ka Ky - bps: A: Wn Gt Ha IK; B: Aq Eb - pt: A: Tf Ap; B: Ty Hu Am Ht; C: Tk Pi - Y: A: SF; B: Db; C: Le Me Ir Sw Fr Ak - E: SB.
02d 12h 13m	b: A: Co; B: Ir Od Ap; C: Vi - bs: A: Br - bp: A: Gn Am; B: Mu Hn PM T o Wk DU Mw; C: Mb Ka Ky - bps: B: Sr - pt: B: Ht; C: Tk - Y: C: Me Sw Gt Ha Md IK Pe SM Gu - E: Pi MI.
02d 19h 50m	b: A: Pe; B: Sw Lg IK Ak; C: Mc - bp: A: St Tn; B: Kn Wi Ir Ni V1 Kv Ma Fū Hb Ty Aq Md Eb AA; C: Lu Tw - bps: A: Nu Wn Gt Ha Od; B: Mo - pt: B: Tk Mu LQ Gn Hr Ht SB; C: Mb Ka Ky - Y:A: Tf Ks; B: Lo Db Tl SM; C: Le Me Ci - X: Pi.
02d 20h 39m	b: A: Pe Tn; B: SJ - bp: A: Nu Fū Ty SM; B: Kn Mo Wi Ir.Ni KvHb Lg IK Eb AA Mc LQ Tw Wk; C: Mb Tl Ka Ky MB Lu - bps: A: Gt Ha Od; B: Wn V1 Aq Md Mw - pt: B: Pa Ap Hr Am Ht; C: TkMuPM - Y: A: Tf Ks; B: Lo Ma Db Ak Tu; C: Le Me Sw Ci - X: Pi.
03d 10h 37m	b: C: Kv Vi - bp: A: Sr; B: To; C: Mb Ka Ky - pt: A: Tf Am; B: Hu SB; C: PM - Y: C: Si Gt Fū IK Od Pe SM SJ Br - E: Me Mi - X: Pa - (sfe: Db?).
03d 19h 57m	b: A: IK; B: Sw Ak - bs: Kv Pe? - bp: A: Nu Kn St Ha Fū TyAA Tn; B: Wn Wi Ir Ma Hb Lg Aq Md Eb Tl Mc Lu Wk; C: Hr Kg - bps: A: Gt Ks; B: Mo Od Mw - pt: A: Ht; B: Ni; C: MB PM LQ -Y:A:Tf; B: Lo Db; C: Ci - E: Le Me Tk - X: SM Pi - (ssc: V1).
04d 06h 52m	b: B: Ap Br - bs: A: MI - bp; B: Ir Ho Hn PM To; C: Wi Mb Md Ka Ky Wk - bps: A: Sr Am; B: Vi Mu - pt: B: Tf - Y: B: Gt HaDbOdPe SJ - E: Co Nu Le Si Me Wn Fū Tk Fr Tu Hr Mw - X: Ty Lg Ak Lu.
04d 14h 06m	b: A: Tn; B: Ir Fū Pe AA Ap Br; C: Kv Vi Mc - bs: B: Od Mi -bp: B: Lg Mu PM To Am; C: Hb Md Ka Lu Tw - bps: B: Sr Mo Hn Gn; C: Ky - pt: A: Ht - Y: B: Tf SM; C: Co Si Sw Gt Ha Ma Db Ty IK Fr Tu SJ MB? Hr - E: Nu Me Wn Tk LQ Pi - X: Ak.
04d 14h 47m	b: A: Fū Ty Eb; B: Sw Kv Br - bs: A: Kn Wn Ni Gt Ha? Od Md; B: Ir - bp: A: St Hb IK; B: Wi Ma Lg Aq Tl AA To Mw; C: Mc - bps: A: Sr Nu Mo; B: V1 - pt: B: Pa SB - Y: A: Tf; B: Lo Db Ci SM; C: Co Le Pe SF Tu MB? Mu SJ - E: Me Tk LQ Pi Hr MI - X: Ak.
04d 23h 17m	b: B: Ir Gt Od Pe Mc Ap; C: Wn Md MB - bs: A: Gn; B: V1 Mu -bp: A: Lg; B: Mo Wi Ha Fū Hb Tl Hn Lu Hr; C: Kv Eb Mw - bps: B: SJ Pa Tw - pt: B: Aq Hu Ht; C: PM LQ Pi - Y: A: SF; B: Nu Lo Db Ci; C: Le Sw Ma Ty Tf IK Fr Tu AA - E: Tk - X: Me Ak SM SB.
05d 13h 23m	b: A: Co Kn Ap Br; B: Si V1 Kv Ma Fū Od IK Pe SJ Mc MI Ht; C: Wn Aq MB AA - bp: A: Sr Mu; B: Mo Ir Ha Vi Hb Ty Mb Lg Ka Ky Gu Hn PM DU; C: Tk Md Eb Lu Tw Wk - bps: A: Gn To; B: Am - pt: C: Pi - Y: B: Nu Me Db Tf SM Ks Tn; C: Lo Sw Gt Ci Tl Tu.
06d 18h 24m	bp: B: Kv IK - pt: A: Sr Ty Mu Gn; B: Lo Ir Gt Od Aq Tf Tk TlAk Ks Hn Lu Ap Tn To Am Wk Ht SB; C: Nu Me Wn Db Fū Hb Mb SM Ka Ky SJ Gu AA PM LQ Pi Hr Kg MI - E: Sw Ci.
06d 20h 16m	b: A: Tn; B: Pe; C: MB - bs: B: SM - bp: A: Nu Wn Ha Ty IK; B: St Wi Ir Ni V1 Gt Kv MaDb Fū Hb Od Lg Aq Eb Tl AA Mc Wk Mw; C: Mb Tk Md Ka Ky - bps: B: Le - pt: B: Kn Ap LQ Pi; C: Gn Hr - Y: A: Ks; B: Lo Tf Ci Ak; C: Me Sw.
08d 23h 26m	b: B: Pe - bp: B: Ha Fū Ty Lg IK AA Tn; C: Kv Tk Md Mc Lu -pt: A: Wn Gt Od Tf; B: St Sw Ma Db Aq Eb Tl Pa Hr; C: MB LQ Pi - Y: B: Ak Ks; C: Lo Ci - X: SM.
09d 21h 11m	b: B: Sw; C: Pe - bp: A: Nu Ha Ty IK Tn; B: Wi V1 Kv Fū Lg Eb AA Hu Mw - pt: A: Wn Ma Od Md Pi; B: Kn Ni Gt Db Hb Aq Tk Tl Mu Pa Mc Hn Ap Hr Am SB; C: Mb Ka Ky MB PM LQ - Y: B: Lo St Tf Ak SM; C: Le Ci.
11d 23h 01m	b: A: Pe; B: Sw Tn - bp: A: Nu Fū Od Lg IK AA; B: Kn MoSt Wi V1 Gt Kv Hb Ty Aq Md Eb Tl Mu Lu Mc Mw; C: Wn Tk MB - bps:

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(NOVEMBER)

A: Ha - pt; B: Pa Hu Pi Hr Ht; C: PM - Y; A: Tf Ks; B: Ma Db Ci Ak SM SF; C: Le - E: Gn - X: LQ SB.

- 14d 19h 17m b: B: Ir MB Mu Br; C: PM - bs: A: Md Ks Lu; B: Mo Wi Vl Ma Od - bp: A: Fū Lg Tl Ht; B: Sr Eb Mc Wk; C: To - bps: A: Nu IK AA; B: Kn Kv Hb Aq; C: Hr - pt: B: Pa Ap; C: LQ - Y; A: Tf SM; B: Lo Db Ci Ak; C: Sw Tu - E: Me St Mb Tk Fr SF Ka Ky SJ Tn Pi Kg MI Mw - X: Hn SB - (si: Wn Gt Ha Ty Pe Tw).
- 17d 19h 37m b: B: Ir Aq Mc Tn; C: MB - bs: A: SF; B: Wi IK Pe - bp: A: Lg; B: Kn St Wn Vl Gt Kv Ma Fū Hb Ty Md Eb Tl AA Lu Hr - bps: A: Nu; B: Mo Ha Od Mw - pt: A: Ht; B: Am SB - Y: A: SM; B: Db Tf Ci Ak Ks; C: Le Sw - E: Lo - X: Pi.
- 20d 22h 59m bp: B: IK - pt: A: Sr St Wn Ha Ma Fū Od Tf SF Lu; B: Nu Lo Si Wi Sw Ni Gt Kv Db Hb Ty Aq Md Eb Ak Tn Hr Am MwSB; C: Le Mb Ci SM Ka Ky Ks Mu AA LQ Pi Tw - X: Br Kg.
- 22d 21h 16m b: B: Sw Pe Kc; C: Md - bp: A: Gt Ha Fū Ty Tl; B: Mo St Wn Wi Kv Ma Od Lg Aq Eb AA Mw; C: Hb Hr - bps: A: Nu; B: Le - pt: C: Pi; Y: A: SF; B: Lo Db Tf Ci Ak SM Ks; C: IK Tn.
- 25d 16h 17m b: A: Pe; B: Wn Sw Vl Gt Ty IK Eb Mw; C: Mc - bp: A: Kn St Ha AA; B: Sr Ir Kv Fū Hb Od Lg Md Tl Kg; C: Wi Mb Ka Ky Hn PM To Wk - bps: A: Gn; B: Mo - pt: A: SB; B: Pi Ht - Y: A: Tf SF; B: Nu Db Ak SM; C: Lo Ma Ci Ks Mu - E: Aq Tk LQ MI.
- 27d 23h 36m b: A: Pe; B: Sw Db Ty Tn - bp: A: St Wn Gt Fū AA; B: Nu Wi Ir Kv Hb Od Lg IK Fū Hb Tl Mc Mw; C: Mb Ka Ky Lu Hr Tw - bps: A: Ha; B: Mo Vl Ma Md - pt: A: Aq; B: Ap Am; C: LQ Pi To - Y: A: Tf; B: Lo Ci Ak; C: Le SJ - X: SM PM.
- 28d 04h 41m b: B: Pe SJ Br; C: Tk MI - bs: B: Mu - bp: A: Sr St SM MB Tw Ht SB; B: Nu Wi Ir Ni Ha Kv Ma Fū Hb Ty Od Lg Aq Md IK Eb Tl Pa Mc LQ Pi Hr To; C: Mb Ka Ky PM - bps: A: Wn Gt; B: Le Mo Vl Vi Hu - pt: A: Am; B: Hn Ap - Y: B: Lo Me Db Tf Ci SF; C: Si Tu AA - E: Fr.
- 28d 09h 10m b: A: Ap; B: Ir; C: Gn - bs: B: Co MI - bp: A: Sr Si To; b: Mb Lg Ka Ky PM; C: Vi Hn Mw - bps: A: Am - pt: B: Tf SB - Y: A: Br; B: Me C: Fū Ak SM Gu Mc Tn - X: AA.
- 28d 13h 14m b: A: Kv; B: Sw Ni Db Ty Ak Tn Br; C: Eb - bs: A: Ha Pe; B: Le Hu - bp: A: Nu Kn St Gt Od IK; B: Wn Ir Vl Ma Fū Hb Lg Aq Tk PM Gn To Am Wk - bps: A: Mo Mu; B: Sr Wi Hn; C: Md - Y: A: Tf; B: Lo SM; C: Me Tl Fr Tu SJ Gu AA Mc Hr - E: MI - X: LQ Pi.
- 28d 23h 54m b: A: Nu Fū Hb Od IK Pe SF; B: Ni Ty Eb Ak Mc Tn; C: MB Tw - bs: B: Wn - bp: A: Mo St Gt Ci; B: Le Kn Wi Sw Kv Ma Aq Md Tl AA Mw; C: Lu - bps: A: Ha; B: Vl - pt: B: Am; C: Mb Ka Ky LQ - Y: B: Lo Db Tf; C: Me Fū Tu SJ Mu Hr - X: SM Hn PM Pi SB.
- 29d 01h 15m bp: A: St - pt: A: Wn Gt Ha Kv Fū Ty Md Eb Ci Tl SM MB AA Hr Tw; B: Nu Le Lo Wi Sw Ni Ir Vl Db Od Aq IK Ak SF Mu Pa Mc Lu Pm Hu LQ Pi Kg; C: Me Ma Mb Tf Ka Ky Hn To MI DU - E: Mw Wk.
- 29d 11h 20m b: A: Co Mu; B: Od Lg Tn Br Tw; C: Wn Ha Kv Aq Pe MB AA - bs: B: MI - bp: A: Sr To Am; B: Kn Mo Ir Mb Ka Ky PM Hn; C: Hb Tk DU - bps: B: Gn - pt: C: Md - Y: B: Ak; C: Nu Si Me Ma Db Fū Ty Tf Tl SM Gu Mc Hr Wk - X: Eb.

DECEMBER

- 01d 18h 46m b: B: Gu Hn Tn Br; C: Eb MB - bs: A: Gt; B: Ir Pe; C: Vi - bp: A: St Aq Md Mu AA Gn; B: Wi Ha Kv Hb Ty Ka KY SJ PM; C: Lg Pa Hr To Wk - bps: A: Kn Mo IK; B: Od Mb - pt: A: Am SB - Y: B: Db Tl Ak SM Ks; C: Si Sw Ci Tu - E: Sr Nu Le Lo Wn Ma Fū Tf Tk LQ Pi Tw Kg MI.
- 02d 12h 06m b: A: Kv Ty Pe Br Gn; B: Wn Vi Fr Hn; C: Aq - bs: B: Ir - bp: A: Nu Si Hb Mu Gu To; B: Sr Gt Ma Od Lg SJ PM Tw Wk Mw; C: Md - bps: A: Mo; B: Mb Ka Ky - Y: B: Db Fū Ak Tu; C: Me Ha IK Ci Tl SM Mc Am - E: Lo Tf Tk SF LQ Pi.

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(DECEMBER)

03d 03h 38m	b; A: SF; B: Sw Gt Hb Ty Od MB Am - bs: A: SM; C: Pe - bp; A: Wn Lg; B: Le St Wi Ir Ma Fū Aq Md IK Eb Mu; C: Kv Vi Tl Mw - bps: A: Tw; B: Vl Ha Db Fr SJ Pa Hu LQ Pi - pt: C: Hr - Y: B: Lo Me Ci Ak Tu; C: Nu Tf Br.
05d 16h 33m	b; C: Kv Pe - bp; B: Ir Mu Gn; C: Mb Ka Ky - pt: A: SB; B: Tf MI Ht; C: PM - Y: C: Fū Od IK SM - E: LQ - X: Pi Kg.
06d 11h 40m	b; A: Co Ap; B: Nu Wn Sw Ni Od Pe MI; C: Mc Hn PM Hr - bp; A: Gn To Am; B: Ir Kv Hb Lg IK Ho Mu Tw Wk Mw; C: Mb Ka Ky - bps: B: Sr Mo - pt: B: Wi; C: Tk - Y: A: St? Tf; B: Lo Db Fū Ak Tu; C: Si Gt Ha Ma SM - E: Me Md LQ Pi - X: Vi.
06d 20h 23m	b; B: Sw Hb Od Pe - bp; A: Nu Ha Fū Ty; B: Wn Wi Ni Kv Db Lg Eb Tl Mc Hr Kg; C: Mo Md - bps: A: St Gt - pt: B: Aq Ht SB - Y: B: Lo Ma IK Ci; C: Le Tf Fr Ak SM - E: Me - X: Vi Lu Ap Br.
07d 12h 51m	b; A: Pe Ap Br; B: Nu Wn Vl Sw Kv Ty Od Aq IK; C: Vi Eb - bs: A: Co MI - bp; A: Si Kn Mo Am; B: Ir Ha Ma Hb Lg Md PM DU; C: Wi Fū Tk Gn - bps: A: Mu; B: Sr Gu Hn To - pt: B: Ht SB - Y: B: Lo St Ak SM Tu; C: Gt Db Fū Tf Ci Ho - E: AA LQ Pi.
07d 20h 27m	b; A: IK Pe Ht; B: Ir Sw MB - bp; A: Sr Kn St Ha Kv Fū Hb Ty Aq Eb Tl Mu AA; B: Lg Pa To Wk; C: PM Hr Tw Mw - bps: A: Nu Mo Wn Ni Gt Db Od Md; B: Wi Vl; C: Mb Ka Ky - pt: A: Ma Ap Am; B: SB - Y: A: Lo SF; B: Tf Ci Ak SM Ks Tn; C: Le Si Tu SJ - E: Tk Mc LQ Pi Kg MI - X: Gn.
09d 14h 00m	b; A: Wn Pe; B: Ir Gt Ty Od Br; C: Vi Eb - bs: B: Hn - bp: B: Nu Si Vl Ha Kv Hb Lg Aq? IK To; C: Mb Tk Md Ka Ky Mc Lu PM - bps: A: Kn Mo Mu - pt: A: MB; B: Wi Pa - Y: A: SF; B: Lo Db Fū Ak; C: Co St Ma Tf Ci SM Tu - E: Me AA LQ Pi Gn MI Mw.
10d 11h 45m	b; B: Co Ir - bs: C: MI - bp; B: Sr Mu Hn To Am; C: Vi Mb Ka Ky PM - pt: B: Tf Gn Ht; C: Md - Y: B: Me SM; C: Fū Tu Br - X: Pe.
10d 20h 19m	b; A: Ni Db Hb Ci Pe SF Ks Tn; B: Ir Sw Lg Tl Mu Tw; C: MB LQ Pi - bs: B: Le - bp; A: Nu St Wn Ha Ty Od Tf Md IK Mu Kg; B: Sr Kn Wi Vl Kv Ma Fū Aq Eb SM AA Lu Gn Hr Mw; C: MB Ka Ky To - bps: A: Mo Gt; B: Tk - pt: A: Am Ht; B: Wk; C: PM - Y: B: Lo Ak; C: Tu SJ.
12d 18h 10m	b; A: Ty; B: Ha; C: MB? Am - bs: A: Gt IK Pe Ks Gn; B: Ir Eb - bp; A: St Fū Mu; B: Kv Ma Lg Hn To; C: Vi Mb Tl Ka Ky Mc PM Wk - bps: A: Sr Nu Kn Mo Hb Od AA; B: Wn Wi Ni Vl Aq Tk Md Hr Mw - pt: A: Ht - Y: A: Tf; B: Lo Db Ci Ak Tn; C: Co Le Si Me Tu SJ Br - E: LQ Pi Tw MI - X: SM Ap Kg - (si: Sw?).
13d 00h 13m	b; C: Pe Mc - bs: B: Ma - bp; A: IK; B: Wi Vl Fū Lg Mw; C: Md - bps: C: Mo - pt: A: Wn Gt Aq Tf; B: Ni Kv Eb Tn Hr; C: MB PM MI - Y: B: Ak; C: Lo Me Sw Db Ty Od Ci SM Mu - E: Nu - X: Ht - (si: Ha Tl).
13d 11h 36m	b; A: Ap; B: Ir Ty Od Aq Br; C: Kv Pe - bs: A: Co; B: MI - bp; A: Si Am; B: Mb Lg Ka Mu Hn Gn Mw; C: Vi Ky - bps: B: Sr PM To - pt; B: Wk Ht SB; C: Tk - Y: B: Tf Ak; C: Sw Gt Db Fū IK Ci SM Gu.
13d 19h 49m	b; C: Pe - bp; B: Nu St Vl Ha Kv Lg IK Tn; C: Mo Wn Fū Hb - pt: A: Gt Ty Od Ht SB; B: Wi Db Aq Md Eb Tl Hr; C: Ma Tk Mc PM - Y: B: Lo Tf Ak Ks; C: Ir Sw SM - E: MB.
15d 14h 13m	b; A: Kv Gt; B: Ir Ma Ty Eb - bp; A: Aq Mu; C: Ha Md - E: Lo Mo Me Vi LQ Pi Kg MI - (ssc: St Wn Wi Sw Vl Db Fū Hb Lg Tf Tk IK Ci Tl Pe Ak SM AA Lu - si: Od).
16d 11h 22m	b; A: Ap Br Gn; B: Ir MI; C: Kv Pe - bs: A: Co - bp; A: Mu; B: Mo Vi Od Mb Lg Ka Ky Gu To Mw; C: Hb Tw - bps: A: Si; B: Sr - pt: A: Am C: Tk - Y: B: Db Ak; C: Me Sw Fū Ty Tf IK SM Ho Mc - E; ST - X: Hn PM.
17d 19h 48m	b; B: Sw Pe - bp; A: SB; B: Nu Kn Mo St Ir Kv Fū Lg Tk IK Mu AA Mc; C: Mb Mw - bps: B: Hu - pt: A: Wn Gt Ha Ty Od; B: Wi Aq Eb Tl Tn LQ Gn Am Tw; C: Ma Hb Ka Ky Wk - Y: B: Lo Db Tf Ak Ks; C: Tu - X: SM Pi.

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(DECEMBER)

19d 20h 58m	b: B; Pe; C: MB? - bp: A; St Fū Ty Lg Tw; B: Kn Ir Kv Ni Gt Ma Hb Aq Md Eb Tl AA Wk; C: Mb Ka Ky Mc - bps: A; Wn Ha Od IK; B: Le Mo Wi Vl Db Mw - pt: B: Hn Hu Ht SB; C: Tk PM - Y: A: Tf B: Lo Ci Ak Ks; C: Tu SJ Hr - E: LQ Pi - X: SM.
20d 19h 05m	b: A: Gt Pe; B: Ir Sw SJ; C: MB - bs: Le Wn - bp: A: St Vl Ha Fū? Aq?; B: Sr Kn Wi Ni Kv Ma Db Ty Lg IK Eb Ma Tl Wk; C: Mb Ka Ky Mc PM Hr - bps: A: Mo; B: Mw - pt: A: Ht SB; B: Am - Y: A: Tf SM SF; B: Lo Ci Ak; C: Tu Mu - E: Tk Tn LQ Pi To. Wk.
21d 15h 04m	b: A: Kv Fū Pe Mu Gn; B: Wn Ir Sw Ty Eb Br MI - bp: A: St Hb Aq?; B: Si Vl Gt Ma Od Lg IK Hn PM Wk; C: Wi AA Mc To - bps: A: Kn Mo; C: Vi - pt: A: Ht SB; B: Pa Am - Y: A: SF; B: Nu Lo Ha Db Tf Ci Ak SM Ks; C: Le Me Tl SJ Gu - E: Tk LQ Pi Hr.
23d 10h 59m	b: A: Br; B: Ir SJ Ap SB; C: Kv - bs: A: MI; B: Co - bp: A: Mu; B: Si Mo Mb Lg Ky Mw Ht; C: PM - bps: A: Sr Gn To Am; B: Vi Ka Gu Hn - pt; B: Wi; C: Tk - Y: B: Ak SM; C: Me Sw Ha Db FūOd Tf IK Ci Pe Tu AA - E: Wk.
23d 12h 56m	b: A: Wn Fū Hb Pe Br; B: Si Ir Gt Kv Od Aq SJ MI; C: Vi Eb MB - bp: A: Sr Kn St; B: Wi Ir Vl Kv Hb Od Mb Lg Aq Ka Ky Mu Wk; C: PM - bps: A: Kn Mo; B: Sr - pt: B: Wi - Y: A: Tf; B: Lo Ha Db Ak SM; C: Co Le Ma Me IK Ci Tl Tu Mc Ap - E: Tk LQ Pi.
24d 13h 04m	b: A: Co; B: Ir Sw Kv Pe MI; C: Wn - bp: A: Sr Kn; B: Od Lg Wk Mw; C: Hb Mb Ka Ky AA Mc To - bps: B: Mo - pt: B: Wi Db Aq IK Tl Hn Gn Am; C: PM Hr - pg: A: Mu - Y: B: Nu Ha Ak; C: Lo Si Me Gt Ma Fū Ty Tf Ci SM Tu Tn - E: Tk LQ Pi.
24d 16h 50m	b: A: Fū Pe; B: Sw Gt Ty IK SJ Lu MI Mw; C: Wn MB Pa Hr To - bp: A: Sr Kn St; B: Wi Ir Vl Kv Hb Od Mb Lg Aq Ka Ky Mu Wk; C: Mc - bps: A: Mo Gn - pt: B: Tk Tw Ht; C: PM - Y: A: SM; B: Lo Ha Db Ci Ak Tu Br; C: Le Si Ma Me Tf Tl SF - E: LQ Pi DU.
24d 21h 36m	b: A: He Pe; B: Sw - bp: A: Nu St Wn Gt Kv Fū Od; B: Kn Wi Ir Ni Vl Ty Lg Aq Tk IK Eb; C: Mc - bps: B: Mo - pt: A: Ma SB; B: Tl Hu Mw; C: PM Hr - Y: A: Ha Tf; B: Lo Db Ak Ks; C: Me Ci SF Tn - E: DU Ht.
24d 22h 23m	b: B: Ir SJ - bs: A: SF - bp: A: Nu Gt Fū Lg IK Tl SM AA; B: Hb Ty MB Mc Hr Wk; C: Mb Ka Ky - bps: A: Mo Ma Eb; B: Le Wn Wi Vl Db Od Aq Mw; C: Lu - pt: A: Ht; B: Pa Hu Ap Am SB; C: Tk PM LQ Pi Tw - Y: A: Ha; B: Lo Tf Ci Ks; C: Me Sw Fr Pe Tu Mu Tn - E: DU.
25d 01h 24m	b: B: SJ - bp: A: Lg SM; B: Wn Wi Pa Tw; C: Fū Tl MB LQ Pi - bps: B: Vl Eb Fr Hu - pt: B: Sw Gt Ty Aq; C: Kv PM Hr - Y: B: Ha Db Ci; C: Le Mo St IK Pe Tu Mu AA - E: DU.
26d 12h 07m	b: A: Co; B: Si Ir Kv Fū Ty Od Pe Am Gn; C: Wn Wi MB Hr - bs: B: MI - bp: A: Sr; B: Kn Mo St Vi Lg Ka To Am; C: Hb Mb Ky Wk - pt: A: Ht; B: SB; C: PM - Y: B: Me (Ha) Tf Ak SM Tu; C: Nu Lo Sw Gt Ma Db IK Ci Fr Ho SJ Mu AA - E: Md LQ.
28d 10h 11m	b: B: Co - bs: A: Mu; B: Br Mw - bp: B: Ir Lg Gn - bps: B: Sr Mb Ka Ky Hn To; C: PM - pt: A: Am; B: Pa Hu - Y: C: Si Me Sw Gt Fū Ty Fr Pe SM Ks AA - E: Tn - X: Lu Kg.
28d 10h 40m	b: A: Si Aq Ap Br Gn; B: Nu Ir Vl Gt Kv Ty Od Ho SJ Mu; C: Wn Eb MB - bs: B: MI - bp: A: Tf Hn Am SB; B: Vi Lg Gu Mc PM Ht; C: Wi - bps: A: Kn To; B: Mo Hb; C: Md - Y: B: Ha Ak SM Ks Tu; C: Le Me Sw Ma Db IK Ci Tl Fr Pe AA Tn Hr - E: Co Lo St Fū Tk Mw - X: Pa Lu Kg.
28d 13h 56m	b: A: Mu Br; B: Co Wi Ir Kv Ty Od Lg Ap MI; C: Wn Vi - bp: A: Hn; B: Sr Si Kn Mo Mb Ka Ky Gu PM To; C: Hb Wk - pt: A: SB; B: Am Ht - Y: B: Ak SM; C: Sw Gt Ma Tf IK Ci Pe Tu Mc - E: Lo Fū Tk LQ Pi Mw - X: Lu Kg.
28d 14h 26m	b: B: Pe Mc - bp: A: Nu IK Mu; B: Wi Vl Kv Ma Hb Lg Tn; C: Wn Eb To - bps: A: Kn Mo Gn; B: Od - pt: A: Gt Fū Mb Ky; B: Aq Ka

TABLE 2a BAYS AND PULSATIONS 1960 - continued

(DECEMBER)

			Pa Hn Am Ht SB; C: PM - Y; B: Lo Db Tf Ak SM; C: Sw Ha Ci Ks Tu - E: Tk LQ Pi Hr MI - X; MB Lu Tw Kg - (si: Ty).
29d	15h	32m	b: A: Kv SF Br; B: Sw Mc Ap - bs: A: Co Wn Ci Mu; B: Tk Hu - bp; A: St Fū Hb Tf Am Ht; B: Si Wi Ir Ni Ma Db Vi Ty Lg Aq Md Eb Ky Gu Hn PM To Tw Wk DU; C: Tl Pa Lu LQ Pi - bps: A: Sr Nu Kn Mo Gt Od IK; B: Le Vl Mb Ka Mw; C: Gn - Y: A: Ha SM; B: Lo Ak; C: Fr Pe SJ AA Tn Hr - E: MI.
31d	12h	17m	b: A: Mu Gn; B: Ir Sw Kv - bs: B: MI - bp: A: Sr; B: Gt Od Lg IK Tl Ky Hn Wk; C: Hb Mb Md Ka PM - bps: B: Mo - Y: B: Ak; C: Me Ma Db Fū Ty Tf Pe AA Tn - E: Tk LQ Pi - X: SM.
31d	14h	45m	b: A: Co Mu; B: Wn Ir Sw Gt Kv Fū Ty Od Lg Aq IK Pe Mc Br MI Mw; C: Vi MB - bs: A: Gn - bp: B: Si Wi Hb Mb Tf Tl Ka Ky Hn PM To; C: Md Lu - bps: A: Mo - pt: B: Am Ht - Y: B: Lo Db Ak SF C: Ha Ma Ci Tu Gu - E: Nu Tk LQ Pi - X: SM.

TABLE 2b BAYS AND PULSATIONS 1960

Commencements of pulsational disturbances not associated with bays. When pulsations are reported predominantly as pg the time is followed by an asterisk.

(See the other remarks at the head of Table 2a).

JANUARY

- 11d 05h 40m* pg: A: Sr Ty Od Lg AA - B: Ir Tf Mw SB - C: Nu Me St Wn Vl Ha Db Hb Tk IK Ci Pe SM Mu Tn Hr - E: Aq Am Wk - X: Sw Kv.
- 12d 06h 00m* A: Am - pg: A: Od - B: Me Lg Mu Mw Wk SB - C: Nu Ha Tk Tu SM Hr - X: Sw AA Gn.
- 14d 18h 10m* B: Vl - pg: A: Od - B: Co Sr Me Wn Hb Lg Tk IK Ci SJ Ap Hr MI Mw Ht - C: Nu Si Ir Gt Ha Kv Db Ty SM MB Mu - E: Vi Fū MB Tf Tl SF Ka Ky Pa Mc PM Am SB - X: Sw Aq Tn Gn.
- 29d 12h 45m* pg: A: Od Lg - B: Me Tk Tu Mc Tn Mw - C: Ha Hb IK Ci SM AA Hr - E: Fū - X: Sw.
- 31d 15h 22m A: Tw - B: Ir Lg SF Mu Lu PM Gn - C: St Wn Ha Kv Hb Od Mb Aq Tf Tk Md IK Pe SM Ka Tu Ky MB Hr To MI DU - E: Sw Ci Mw - X: Pa Kg.

FEBRUARY

- 03d 21h 35m A: Wn Fū Md SM - B: Wi Sw Gt Ma Db Od Aq IK Eb Tl Ak Tu Lu Ap Hr Am Tw SB - C: Nu Le Lo Tf SJ MB Mu Mc PM - E: Ci Mw - X: Lg Hn Kg - (si: St? Ha).
- 24d 22h 12m A: Nu St Ty Od Tf Md - B: Lo Wn Wi Ni Gt Ha Ma Db Fū Lg Aq IK Eb Tl Ak Mc Lu Hu Ap Tn Hr Am Tw Mw Ht - C: Le Ir Hb Mb SM Ka Ky MB PM - E: Sw Ci - X: Tu Hn Kg.
- 24d 23h 59m A: Nu St Fū Od Md Lu Ap - B: Sr Wn Wi Ni Gt Ha Ma Db Ty Aq Tf IK Tl Ak Mc Tn Hr Am Tw Mw Ht - C: Le Lo Me Hb Mb Ci SM Ka Ky MB AA - X: Lg Tu PM Kg SB.
- 25d 16h 59m A: Od Tf Tu Mu Tw - B: Sr St Wn Ir Gt Ha Mb Tk Ak Ka Ky AA Pa Hn Lu PM Hu Hr - C: Nu Lo Me Vl Db Hb Aq Md IK Tl SM MB Gu Mw - E: Sw Ci - X: Lg Eb Kg SB.
- 28d 04h 27m* B: IK - C: Mb Ka Ky - pg: B: Sr Nu Ir Ha Od Lg SM SF Mu Lu Am - C: St Wn Gt Hb Tf Ci Tu AA PM Gn To MI Wk - E: Sw Ks SB - X: Ty Pa Mw.

MARCH

- 13d 13h 19m A: Sr Tw - B: Me Wi Ir Ty Od Lg IK Tl SM Mu Pa Hn Ap To Am MI - C: Le Ha Hb Mb Aq Md Eb? Ak SF Ka Tu Ky MB AA Mc PM Hr - E: Sw Ci Mw - X: Kg Ht.
- 16d 20h 00m* pg: A: Sr Me MI - B: Co Tu Wk Ht - C: Si Ir Kv Hb Ty Lg Tk Pe SJ PM To Mw - E: Nu Lo St Wi Sw Fū Ci Mc Lu LQ Gn Am SB - X: Tn.

APRIL

- 04d 01h 40m* pg: A: Sr Me Od Lg SF - B: Co Le Si Db Tf MI - C: Lo Sw Gt Ha Fū Hb SM Tu Mu AA To - E: Nu Tk Mc Tn LQ - X: Kv.
- 21d 12h 38m A: Sr Od SM Ks Gu Mu Tw - B: Ir Ha Ty Lg Eb Tu Lu Ap LQ To Am Ht - C: Co Lo Si Wn Fū Mb Aq Md IK Tl Ka Ky MB AA PM MI - E: Sw Ci - X: Pa Br Hr Kg.
- 23d 17h 07m A: Sr Lg Tf Mu Lu Tw - B: Nu Wn Wi Ir Fū Ty Od Mb Aq Md Eb Tl Ak SM SF Ka Ks Tu Ky Gu MB Pa Hn PM Ap Tn LQ Gn Am Wk - C: St Gt Ha Kv Db Hb Tk IK Mc Hr To Mw - E: Sw Ci Kg - X: Hn.

MAY

- 01d 02h 20m* pg: A: Sr Nu Le Si Ha Od Lg IK Tu MI - B: Co Ir Gt Db SJ To Mw
01d 02h 20m - C: Me Vi Hb Tf Ci SM Ho Ap Hr Ht - E: Lo Wn Wi Sw Fū Ty Mb Aq Tk Md Eb Tl Pe SF Ka Ks Ky Mu Gu AA Mc Lu PM Tn LQ Gn Am Wk SB - X: Kv Pa Hn.

TABLE 2b BAYS AND PULSATIONS 1960 - continued

(MAY)

01d 08h 40m	C: Mc ? - pg: A: Lo Sr Nu Lr Od Lg Aq Md IK Lu MI - B: Gt Ha Ma Db Hb Ty Ci Tl SM Tu SJ MB Hr To Am Mw Ht - C: Me Kv Mb Ka Ky Ap SB - E: Wn Wi Sw Fū Tf Tk Eb SF Ks Mu AA PM Tn LQ Gn Wk - X: St Pa Hn.
04d 20h 06m	A: Wn Gt Ha Ma Fū Od Lg Tf Md IK Ht SB - B: Nu Lo St Wi Ir Ni Db Ty Aq Tl Ak SM Lu Tn Hr Am Tw Kg - C: Le V1Hb Mb Tk Eb Ci SF Ka Tu Ky MB Mu AA Mc LQ Gn Mw Wk - E: Sw - X: Pa.
05d 08h 08m*	A: Ht - B: Ha - pg: A: St - B: Me Wn Wi V1 Hb Am - C: Le Ir Kv Ty Ci SM Tu - X: Pa.
06d 07h 10m*	A: Am - B: Ha - pg: A: Me - B: Sr Le Wn Wi V1 Od Lg SF - C: St Gt Kv Hb Ty SM Ks Tu - E: Nu Sw Fū Mc Tn LQ - X: Pa Lu.

JUNE

11d 18h 47m	A: Sr St Ha Ma Ty Od Tf Md IK SM - B: Nu Lo Wn Wi Ir Ni V1 Gt Db Fū Hb Lg Aq Tk Eb Tu MB Mu Pa Lu PM Tn LQ Pi Gn Hr Am Kg Mw SB - C: Kv Mb Tl Pe SF Ka Ky AA Mc Wk - E: Sw Ci - X: Ak Tw Ht.
12d 13h 30m	A: Sr Ty Tf Am - B: Wi Ir Ha Db Fū Od Mb Lg Aq Md IK Eb Tl SM Ka Tu Ky MB Pa Hn Lu PM Gn To Wk DU - C: St Wn Gt Hb Tk Mc Hr Kg MI - pg: A: Mu - E: Sw - X: Ci Ak Tw Ht.
28d 03h 35m*	pg: A: Sr Si Me Hb Od Lg Aq Md IK Tl Pe SM Ks AA Ap Am MI - B: Co Le Wn Wi V1 Gt Kv Db Gu Lu Br Ht SB - C: Lo Ir Sw Ha Vi Mb Tf Ci Ka Ky Ho SJ Mu Hr To - E: Sw Tk SF Mc PM Tn LQ Pi Wn Gk - X: Ty Pa - (si: Fū?).

JULY

05d 19h 44m*	pg: A: Sr - B: Hn PM MI - C: Me Tf SM Mu To - E: Sw - X: Ty Am.
09d 22h 31m	A: Ma Ty Od Lg Tl MB Lu - B: St Wn Wi Ir Ni Gt Ha Kv Db Fū Hb Aq Tf Md IK Eb Ci Ak SF Mu Mc Tn Pi Hr - C: Nu Le Sw V1 Mb Tk Ka Ky Pi Tw Kg - X: SM PM Ap LQ Br Ht.
20d 03h 20m*	C: Wk - pg: A: Sr - B: Co SF Am MI - C: Si Ir Sw SM Mu PM - X: Lg.
27d 07h 53m	A: Me Od SM Mu Ap Am Tw SB - B: Si Wi Ir Ha Hb Lg Aq Tf Md IK Eb Ak Tu MB Pa Mc Lu Hr - C: Wn Ma Db Vi Fū Ty Mb Tk Ci SF Ka Ky PM Pi MI DU - E: Sw - X: Tl LQ Ht.
28d 20h 27m	A: Sr Me St Wn Ma Fū Od Lg Tf Md Tl Lu Tn Am - B: Nu Lo Ir Gt Ha Kv Db Hb Aq Tk IK Eb Ak SM Tu Mu Pa Mc Hn Ap Mw Ht SB - C: Le Si Vi Mb Ci Ka Ks Ky SJ AA Pi Gn Hr MI - E: Sw - X: Ty LQ Kg.

AUGUST

05d 00h 04m	A: Ha Md Tl - B: Lo St Wi Sw Ni V1 Gt Kv Ma Db Fū Ty Od Aq IK Eb Ci SM Mu Lu Tn Hr - C: Me Wn Hb Mb Tf Ka Ky MB Mc Pi Kg Mw - X: Sr Lg Ak Br SB.
23d 03h 15m*	B: Pa Hn - pg: A: Sr Fū Hb Ty Lg SM Pi - B: Nu Le Wn Wi Gt Kv Db Od Aq Md Tl Mu Ap Tn - C: Lo Ha Ma IK SF MB AA Mc PM To Am - E: Sw Pe - X: Lu LQ.
23d 07h 08m*	pg: A: Gt Hb Ty Lg SM - B: Nu Le Wn Wi V1 Kv Ma Db Od Aq Md Tl SF Mw - C: Lo AA - E: Sw - X: Lu LQ.
24d 00h 04m	A: Gt Fū Ty Lg Md Eb Ci TL SM MB Lu Pi - B: Nu Lo St Wn Wi Sw V1 Ha Db Od Aq IK Ak Mu Pa Tn Hr Am Kg Mw - C: Le Kv Hb Mb SF Ka Ky AA Mc PM Tw - X: Sr LQ SB.
24d 06h 02m*	A: Ha - B: Db Pa - C: Mb Ka Ky MB Mc Hr - pg: A: Sr Gt Ty - B: Nu Me St Ir Tf Tn Pi - C: Le Lo Wn Fū Ci Mu AA Lu Wk - E: Sw - X: V1 Lg LQ.
25d 13h 23m	A: Od Mu Pi Am - B: Sr Wn Wi Ir Ha Fū Lg Tf IK Tl SM Ka Pa Hn Lu PM Ap Gn Hr To DU Mw Ht - C: Nu Lo Gt Db Hb Ty Mb Aq Tk Md Eb Ky Gu MB AA Mc Tn Tw MI - E: Sw Ci - X: St LQ Br.

TABLE 2b BAYS AND PULSATIONS 1960 - continued

SEPTEMBER

13d 09h 54m* C: Wn Mb Ka Ky PM - pg: A: SF Am - B: Me Mu Ap Pi Ht - C: Vi SM Mu - E: Sw Fū MI - X: Lu.

14d 19h 56m A: Od - B: Sr Mu St Wn Ir Ha Db Fū Lg Aq Tf Md IK Eb Tl Ak Mc Lu Tn Kg Mw - C: Le Lo Gt Kv Ma Hb Tk SM AA LQ Pi Gn Hr - E: Sw.

15d 15h 31m A: Od Tf Mu Gu Pi Gn To Tw - B: Sr Ni Wi Ir Gt Ha Fū Lg Aq Md IK Tl SM Ka Hn Lu PM Hr Am MI Wk DU SB - C: Lo Wn V1 Ma Db Hb Mb Tk Eb Tu Ky MB AA Mc - E: Sw - X: Ty Ci Ak Tn LQ.

16d 00h 41m A: Wn Gt Ha Ma Db MD Eb Ci Tl - B: Sr Nu Lo Me St Wi Ir Sw V1 Kv Fū Od Lg Aq IK SM SF MB Mu Mc Hn LQ Pi Hr Tw - C: Le Vi Hb Mb Ka Tu Ky SJ AA Lu PM Gn Am Kg MI - X: Ty.

21d 09h 15m A: Sr Od Tf Mu Ap Am - B: Ir V1 Lg Aq Md Eb Ak SM SF Tu Ho SJ Gu AA Mc Hn Lu PM DU - C: Wn Ha Vi Hb Ty Mb Tk IK Ka Ky Gn Hr To - E: Sw - X: Ci Br - (si: MI).

28d 21h 01m A: Nu Wn Ha Od Lg Tf - B: Lo St Wi Ni Gt Kv Ma Db Fū Ty Aq Md Tl Ak AA Lu Tn Hr Am Kg - C: Le Me Ir Sw V1 Mb Tk IK Eb SM Ka Ky MB Mc PM Pi LQ - E: Mw - X: Ht.

29d 07h 27m A: Sr Me Tf Tu Mu Gu AA Ap - B: Ir Ha Vi Od Lg Aq Tl Ak Ka Ky Ho Mc Hn PM Gn Hr To Ht SB - C: Le Si Wn Mb Tk Md Eb Fr SM SF Pi Tw MI - pg: A: Am - E: Sw Mw - X: Ci Lu.

OCTOBER

02d 04h 45m* A: SB - pg: B: Od Tf LQ Pi MI - C: Sr Le Me Wn - E: Sw Mw - X: Kv Ht.

08d 02h 45m* pg: A: Sr Me - B: Le Ir Od Lg Tf Hn MI - C: Wi Sw Gt SM SF Ks Lu Ap Br To Mw - E: Co Nu Vi Fū Mu PM LQ Pi.

16d 22h 09m A: Sr Nu Lo Me St Wn Gt Ha Ma Db Fū Hb Ty Od Lg Tf Md Tl SF Mc Lu Ap Tn LQ Pi Ht - B: Le Wi Ir Ni V1 Aq IK Eb Ci Ak SM MB Gu AA Hn PM Hu Hr To Am Tw Kg SB - C: Co Mb Tk Pe Ka Tu Ky Mu Gn Wk - E: Sw - X: Kv.

21d 17h 00m A: Sr Od Mu SB - B: St Wn Wi Ir Gt Ha Kv Db Fū Ty Lg Aq Tf Tk Md IK Tl Ak Pa Hn Lu Hu Tn Gu Hr To Am Wk DU - C: Hb Mb SM Ka Ky MB AA PM MI Mw - E: Sw Ci - X: Eb LQ Pi Kg.

23d 00h 53m A: St Gt Ha Fū Ty Od Ci Tl SM Mu LQ Pi Tw - B: Nu Le Lo Wn Wi Ir Sw Kv Db Lg Aq Md IK Eb Fr Ho MB Gu Pa Hn Lu PM Hu Ap Hr Am Mb SB - C: Hb Mb SF Ka Ky AA Gn Kg - X: Pe Ht.

24d 14h 01m A: Sr Mu - B: Ir Od Lg Ka Gu Pa Mc Hn Lu Pm Hu Pi Gn Hr To Am Wk DU - C: Co Db Hb Ty Mb Tf IK Eb Tl SM Ky Tn Tw MI - E: Sw Ci - X: Le LQ Kg.

NOVEMBER

08d 14h 23m A: Sr Ty Mu LQ Pi Gn Tw Ht - B: Si St Wn ir Fū Od MB Lg Aq Tf Md IK Tl SM Ka Ky AA Pa Mc Hn Lu PM Hu Ap Hr To Am Kg Wk - C: Nu Lo V1 Gt Db Hb Tk Eb MB Gu PM MI DU - E: Sw Ha.

08d 23h 56m A: Wn Kv Md - B: Wi Sw V1 Ha Db Aq Eb Hu Hr? Am - C: Mb Ka Ky - pg: A: Nu Fū LQ Pi - B: Ty Od Tf Tl Mu Lu - C: Gt Hb Ci Ho Mc - X: SM PM MI SB.

11d 03h 41m* pg: A: Sr Nu Fū Hb Ty SM SF Br Am SB - B: Le Lo Me Wn Wi Ir V1 Gt Ha Db Od Lg Tf Hn Ap Hr To MI Wk - C: Si Sw Kv Vi Aq Md IK Ci Tl Pe Tu MB - E: Tk Mu AA Mc PM LQ Pi - (si: Mb Ka Ky Tw).

13d 16h 59m* pg: A: Sr Nu Le Me Wn Wi Gt Ha Ma Db Hb Od Lg Aq Md IK Eb Tl MB AA Ap Hr Ht - B: Ir Ni Kv SM Pa - C: Co St Ci Pe Ks Ho Hn Lu - E: Lo Si Sw Vi Fū Ty Mb Tf Tk Ka Tu Ky Mu Mc PM LQ Pi Gn To Am MI Mw SB - X: SF.

TABLE 2b BAYS AND PULSATIONS 1960 - continued

(NOVEMBER)

16d 15h 30m* B: Pa - pg: A: Sr Me Od Lg MB MI Ht SB - B: Wn Wi Gt Ha Db Tf
 IK Tu Ap ; C: Le Kv Ma Vi Hb Ty Ci Pe SM SJ AA Hr - E: Nu Lo
 Sw Fū Aq Md Tl Ks Mc LQ Pi Mw - X: SF.

17d 04h 20m* pg: A: Sr Me Od SF Ht - B: Ir Ty Lg Tf SM Ap To MI Wk - C: Le
 Si Ha Kv Vi Fū Hb Tu Mu Am - E: Sw AA PM LQ Pi.

DECEMBER

12d 13h 47m A: SF - B: Ir Od Lg Mu Pa Hn Lu PM To Ht - C: C: Db Hb Ty Mb
 Tf Tk IK SM Ka Ky Gu LQ Pi Hr Am Tw - E: Sw Ci Mw - X:
 Ap Gn.

TABLE 3 SUDDEN IMPULSES (S.I. 'S) 1960

This list cannot be considered as complete and can therefore not be used for statistical purposes without caution. (See cautionary note at the head of Table 2a).

JANUARY

14d 08h 19m	A: Nu Wn Ty Lg Tk SM SF Ho MB PM Ap Br Am Tw - B: Sr Le Kn Mo V1 Ha Ma Fū Hb Od Aq Tf Md Eb Ci Ak Tu SJ Mu Pa Mc Lu Hu Wk DU Ht SB - C: Co Si Me Ir Sw Gt Kv Db Vi Mb IK Fr Ka Ky MI Mw - E: Lo St Tl Ks AA Hr To Kg - X: Pe Tn Gn - D: 4.
14d 09h 28m	A: Nu Ty Lg Tk IK Ho MB Lu PM Ap Br Am Tw - B: Kn Me Wn V1 Gt Ha Fū Hb Od Aq Tf Md Eb Fr Ak SM Tu SJ Mu Pa Mc Hu Wk Ht SB - C: Le Mo Ir Sw Kv Db Mb Ci Ka Ky Gu Hn MI Mw - E: Co Le St Ma Vi Tl Ks AA Hr To Kg - X: Pe SF Tn Gn - (bs: Sr) - D: 4.
14d 13h 39m	A: Sr Me Ty Tk IK AA Ap Am - B: Ir Ha Fū Od Ak Ho Mu Lu PM Hu Br Hr To Tw - C: Mo Wn Sw Gt Kv Db Hb Mb Tf Pe SM SF Ka Tu Ky MB Pa Mc Hn MI SB - E: Nu Lo St Ma Vi Lg Md Ks Kg - X: Aq Tn Gn - D: 17.
16d 22h 22m	A: Me Ty Lg Tk IK Ho Mu Gu AA Lu PM Ap Tw Ht SB - B: Sr Kn Ir V1 Kv Hb Od Mb Tf Tl Pe Ak Ka Ks Tu Ky Pa Hu Tn Hr Am Wk Mw - C: Co Si St Wn Gt Ha Ma Db Vi Fū Aq Md Ci SM SF SJ MB Mc Br MI DU - X: Gn - (cr: Sw) - D: 11.
18d 07h 35m	A: Sr Me Od Lg Tf Tk IK Ho MB Mu Gu AA PM Ap Br Hr Am Tw - B: Kn Wn Ir Sw Gt Ha Db Aq Md Pe Ak SM Tu Pa Mc Hn Hu To Kg Wk - C: Lo Wi Kv Vi Fū Hb Ty Mb Ci Ka Ky SJ MI Ht SB - E: Nu St Ma Ks Tn Mw - X: Lu Gn - D: 11.
28d 19h 16m	A: Mo Me St Gt Ha Kv Ma Hb Ty Od Lg Tf IK Tl Fr SF MB Ap Tn Am Tw - B: Sr Lo Si Kn Wn Wi Ir Sw Ni V1 Fū Ak Ks Ho SJ Mu Gu AA Pa Mc PM Hu To SB - C: Co Le Vi Mb Tk Ci Pe Ka Tu Ky MI - X: Md Gn Kg - (ssc: Db Aq SM? Pa Hn Lu Hr) - D: 6.
29d 06h 55m	A: Tk IK AA Lu Ap Br Am - B: Nu Kn Mo Me St Ir Ha Ma Ty Od Lg Aq Tf Ak Ks Mu PM Hu Tn Gn SB - C: Lo Wn V1 Gt Kv Db Hb Mb Pe SM Ka Tu Ky MB Gu Hr Tw MI - E: Sr - X: Fū Md Mc Hn Kg - D: 20.
31d 10h 43m	A: Kn IK? AA - B: Wn Ni Gt Ha Kv Ma? Fū Lg Aq Tk Hu Ap SB - C: Le Lo Me Wi Ir Mb Tf Eb Ka SF Ka Tu Ky Mu AA Mc Hn Hr To Ht - X: Kg - (cr: Sw Vi Pa PM Am DU - sfe: Nu St V1 Hb Ty Od Md Tl Pe? SM Ks? MB Lu Gn Tw Wk Mw) - D: 12.

FEBRUARY

04d 23h 05m	A: Me Ty Lg SF Ap Tw Ht - B: Kn Gt Ha Db Fū Hb Od Aq Md IK Ci Tl Pe Ak SM Ks Tu Lu PM Hu Gn Hr To Am Wk SB - C: Nu Mo St Wn Sw V1 Kv Ma Vi Tf Tk Fr Ho SJ MB Mu Gu AA Mc Hn MI - E: DU - X: Kg - (bp: Mb Ka Ky) - D: 13.
05d 11h 34m	A: Mo Lg IK SF AA Hr Am Mw - B: Me Ir Fū Hb Ak Tf Md Eb Pe Ak SM Ks Tu Mu Mc Lu PM Hu Ap Br Gn To - C: Wn Sw V1 Gt Ha Kv Ty Od Mb Tk Ci Tl Fr Ka Ky SJ MB Pa Tw DU Ht - E: Co St Vi - X: Kg - (b: Ma? - bps: Sr) - D: 15.
09d 17h 38m	A: Me Lg IK SM Tw - B: Sr Nu Si Mo St Wn Ir Ni V1 Gt Ha Db Fū Hb Ty Od Aq Tf Tk Md Tl Ak Tu Lu PM Hu Ap Am SB - C: Le Lo Wi Sw Kv Ma Vi Mb Ci Pe Fr SF Ka Ky Ho SJ MB Mu AA Pa Mc MI - E: Ks - X: Kg - D: 14.
13d 08h 41m	A: Lg IK AA - B: Kn Nu Me Ir Ha Fū Ty Od Tf Tl Fr Pe Ak SF Tu Mu Gu Lu PM Tn Mc Hu Ap Tw Wk - C: Le Mo Wn V1 Gt Kv Ma Hb Mb Aq Md Ci SM Ka Ky SJ MB Hn Gn Hr To Mw - E: Lo Ks - X: St Db Kg Ht - D: 15.
16d 11h 05m	A: Kn St Od IK? Pe AA Tw - B: Nu Me Wn Ir V1 Gt Ma Db Fū Hb Lg Aq Tk Tl Ak SM MB Mc Lu PM Hu Gn To - C: Le Sw Kv Mb Tf Md Ci Ka Tu Ky SJ Mu Gu Ap Br Wk Mw - E: Sr SF Ks Tn - X: Pa Kg Ht - (b: Ty Am - bs: Ha - bp: Mo) - D: 14.

TABLE 3 SUDDEN IMPULSES (S. I. 'S) 1960 - continued

(FEBRUARY)

16d 13h 24m	A: Kn Me St Od Lg AA Ap Tw - B: Nu Ir Gt Fū Md Tk IK Ci Tl Ak SF Ka Tu Ky MB Mc Lu PM To Mw - C: Le Wn Sw Kv Hb Ty Mb Tf Fr Pe SM Mu Pa SB - E: Sr Ma Vi Ks Tn Br - X: Kg Ht - (b: Am - bs: Vl) - D: 19.
17d 06h 33m	A: Lg IK Mu AA PM Tn Am Tw - B: Sr Nu Mo Ir Od Tf Ak Ka Ky Mc Lu Hu Ap Br To Wk - C: Wn Sw Gt Ha Kv Hb Mb Aq Md Ci Tl SM Tu SJ MB Gu Hn Hr - E: Lo St Vi Fū Ks Mw - X: Ty Pe Kg Ht - D: 18.
27d 11h 26m	A: Nu Si Kn Mo Me St Ni Gt Db Hb Ty Lg IK Pe SF AA Ap - B: Wn Ir Vl Ha Od Aq Tf Tk Md Eb Ci Tl Ak SM Tu MB Mu Mc Lu PM Hu Gn Am - C: Le Sw Kv Vi Mb Ka Ky SJ Gu Tn Br To Tw MI Ht SB - E: Lo Ma Fū Ks Hr - X: Hn Kg - D: 9.

MARCH

05d 17h 39m	A: Ks - B: Me Ir Hb Lg Tf Tk IK Ak SM Mu Pa Hu LQ Ht - C: Nu Si Mo Wn Gt Ha Kv Db Fū Ty Mb Aq Md Ci Tl SF Ka Ky Gu Mc Hn Lu PM Br To Tw MI - X: Kg SB - (b: Ma? - bps: Od) - D: 27.
07d 11h 45m	A: NU Kn St Wn Gt Db Hb Ty Lg Tl SM - B: Le Lo Mo Me Wi Ir Sw Vl Ha Fū Aq Tf Md Eb Ci AA - C: Kv Tk SF SJ MB LQ Mw - X: Pa Kg - (sfe: Ma? Od IK? Ks) - D: 33.
14d 16h 21m	A: Sr Nu Kn Mo Me St Db Hb Lg Tk IK SM SF AA Tw SB - B: Wn Wi Ir Vl Gt Ha Fū Ty Od Aq Tf Eb Ci Tl Pe Ak SJ MB Pa Mc Hu Ap LQ Ht - C: Le Lo Sw Kv Ma Mb Md Fr Ka Tu Ky Mu PM Gn Hr Am - E: Ks - X: Lu Kg - D: 14.
15d 08h 20m	A: Nu Kn St Ha Ty Lg IK? Ks AA - B: Lo? Mo Me Wn Ir Vl Ma Db Fū Aq Tf Tk Md Ak Mc Lu Hu Ap Tn Gn Hr Tw Wk - C: Wi Sw Gt Kv Hb Mb Eb Ci Fr Ka Tu Ky MB Mu Hn PM Br To Am Mw SB - X: Pe LQ Kg - (ssc: Tl SM - sfe: Od) - D: 14.
16d 08h 47m	A: Sr Wn Ir Gt Lg Tf AA Ap Gn Hr Am Tw - B: Nu Le Kn Wi Vl Ha Ma Fū Tk IK Ci Tl Ak SM Tu SJ Mu Mc LQ Hu To Mw Ht SB - C: Lo Mo Sw Hb Ty Mb Aq Md Eb Fr SF Ka Ky MB Gu PM Br Wk - E: Co Me St Vi Ks Tn - X: Pe Lu Kg - D: 10.

APRIL

03d 08h 55m	A: Sr Nu Si Kn Mo St Wn Gt Ha Db Fū Hb Od Lg Tf Tk IK Ci SF AA Mc Lu Ap Tn Gn Hr Am SB - B: Me Wi Ir Sw Vl Kv Ma Aq Md Eb Tl Pe SM MB Mu Kg Wk - C: Le Lo Mb Fr Ka Tu Ky Ho SJ LQ To Tw Ht - E: Co Vi Ty PM MI - X: Ak - D: 8.
04d 04h 03m	A: Mo Wn Fū Lg Tf Tk IK SM SF Mu Gu AA Lu Ap Tn Gn Hr To Am Tw Ht SB - B: Le Si Me Ir Sw Vl Gt Ha Kv Db Hb Ty Od Mb Aq Ci Tl Ak Ka Tu Ky Ho SJ MB Pa Mc PM LQ Kg Wk Mw - C: Co Lo Wi Ma Vi Md Eb Fr Pe Hn MI DU - E: Sr Nu Kn - X: Br - D: 3.
05d 08h 42m	A: Sr Fū Ty Od Lg Tf Tk IK Ks MB AA Mc Lu Ap Tn Gn Am - B: Kn Mo Ir Sw Gt Ha Hb Mb Tl Ak SM Ka Tu Ky SJ Mu Pa Hn PM LQ Br Hr To Tw SB - C: Me Wn Wi Vl Kv Ma Vi Md Ci Fr SF Ho MI Mw Ht - E: Nu - X: Db Pe - D: 12.
06d 16h 28m	A: Sr Nu Lo Si Kn Mo St Ir Fū Hb Ty Od Mb Tf IK? Ci Ak SF Ka Ky Ho SJ MB Mu Gu AA Mc PM Ap Tn Br Gn Hr Kg Ht - B: Wi Sw Kv Tk Fr Hn LQ To MI Wk Mw - C: Tu - X: SB - (ssc: Le Me Wn Vl Gt Ha Ma Db Vi Lg Aq Md Eb Tl Pe SM Ks Pa Lu Am Tw - pg: Co) - D: 2.
15d 14h 41m	A: Kn Mo Ty Tk IK SF Ks - B: Nu Me Ha Fū Od Mb Lg Aq Tf Md Eb Tl Pe Ak SM MB Mu Mc? Ap LQ - C: Lo St Wn Ir Gt Kv Ma Db Hb Ci Fr Ka Tu Ky Ho Hn PM Tn Hr To Am Tw Mw Ht SB - X: Gu AA - (ssc: SJ - cr: Sw) - D: 15.

MAY

07d 09h 27m	A: Sr Nu Kn Mo Me St Wn Gt Ha Ma Db Fū Ty Od Lg Tk IK Md Eb Mu AA Mc Lu Tn Gn Hr Am Ht - B: Le Lo Wi Ir Sw Vl Kv Hb
-------------	---

TABLE 3 SUDDEN IMPULSES (S.I. 'S) 1960 - continued

(MAY)

Mb Aq Tf Tl Pe Ak SM Ka Ks Ky MB Gu Pa PM Ap LQ Br To
Kg Wk DU SB - C: Vi Ci Fr Tu Hn MI Mw - X: SF - D: 6.

- 07d 11h 08m A: Sr Mo Me Gt Ha Fū Od Lg Tk Md IK Eb SF Ho MB Mu AA Mc
Lu Ap Tn Gn Hr Am - B: Le Si Wn Ir Sw Kv Db Ty Mb Aq Tf Tl
Pe Ak SM Ka Tu Ky Gu PM LQ Br To Tw SB - C: Lo Wi Vi Hb Ci
Fr Hn MI Mw - E: Nu St Vl - X: Ma Ks - (ssc: Kn) - D: 8.
- 11d 19h 30m A: Mo Me St Ha Ht SB - B: Wn Sw Vl Gt Ma Fū? Md IK Pe - C: Lo
Si Wi Ir Db Vi Hb Ci Fr SF Tu SJ Mu Mc Tn Hr - X: Ap Gn -
(cr: Le Lu Wk - sfe: Nu Kv Ty Od Lg Aq Tl SM MB Am Tw) -
D: 25.
- 15d 10h 09m A: Nu St Wn Ty Od Tf Md IK? AA Lu Tn? Gn - B: Lo Kn Mo Me
Sr Sw Vl Gt Ha Ma Db Fū Hb Lg Aq Tk Eb Tl Pe Ak SM Ho Mu
Mc? Hn Ap Hr Am Kg Mw - C: Le Wi Kv Mb Ci Fr Ka Tu Ky MB
Gu Pa PM LQ To Wk - X: SB - (cr: Vi - sfe: Ks?) - D: 11.
- 16d 20h 36m A: Sr Nu Si Kn Mo St Wn Wi Ni Gt Ha Db Fū Od Aq Tf Tk IK Ci
Tl Fr Pe SM SF Ho SJ MB Mu Gu AA Mc Lu Ap Tn LQ Gn Am
Tw SB - B: Me Ir Sw Vl Kv Vi Hb Mb Lg Md Eb Ka Ky Pa PM Hr
To Ht - C: Co Le Hn MI - E: Lo Ma - X: Ty Ak - (ssc: Ks? - bps:
Mw) - D: 5.
- 17d 06h 25m A: Nu Le Kn Mo St Wn .Gt Db Tl SF Ks AA Lu Tn - B: Lo Wi Ir
Sw Vl Ha Ma Fū Hb Od Lg Aq Tk Md IK Pe Ak SM MB Mu Mc Hn
Ap LQ Wk Mw - C: Me Kv Mb Ci Ka Tu Ky Ho SJ PM Hr To Am
Tw - X: Ty Gn - (b: Vi - bps: Sr) - D: 14.
- 22d 14h 38m A: Sr Nu Lo Kn Me St Wi Ma Db Fū Hb Od Tf Md IK Eb? Ci Ak
SM SF Ka Ks SJ MB Gu AA Pa Mc Ap Tn Gn Tw - B: Co Si Le Ir
Sw Ni Vl Kv Mb Lg Aq Fr Ky Ho Hn PM LQ Hr Am DU Mw Ht
SB - C: Vi Pe Tu Kg MI - (ssc: Mo Wn Gt Ha Ty Tk Tl Mu Lu) -
D: 3.
- 29d 01h 06m A: Sr Mo Db Lg Md IK Pe SJ MB Mu Gu AA Mc: Ap Gn Am Tw Ht
SB - B: Kn Wn Wi Gt Ha Ty Od Aq Tk Ci Tl Ak SM Ka Pa Lu PM Br
Hr To Wk Mw - C: Co Le Lo Si Sw Vl Kv Hb Mb Tf Fr Tu Ky Ho -
E: Nu Me St Ma Vi Fū SF Ks Tn - X: LQ MI - D: 5.
- 29d 06h 31m A: Sr Mo Tk AA Mc Gn Am - B: Nu Le Kn Me Wn Ir Sw Vl Gt Ha
Db Od Lg Aq IK Tl Pe Ak SM MB Mu Lu Ap Br To Tw Wk Mw
SB - C: Lo Wi Kv Ma Hb Mb Tf Ci SF Ka Tu Ky SJ Hn PM Hr -
E: St Fū Ks Tn - X: Ty Md LQ Kg MI - D: 11.
- 29d 13h 34m A: Mo Me Ty Tk Pe MB AA Mc Lu Gn Tw - B: Le Kn Mo St Wn
Ir Sw Vl Gt Ha Kv Hb Od Lg Aq Md? IK Ak SM Tu SJ Mu Pa Ap
Hr SB - C: Si Wi Db Mb Tf Ci Fr SF Ka Ky Hn PM MI - E: Nu
Lo Ma Fū Tl Ks Tn - X: LQ Ht - D: 13.

JUNE

- 04d 21h 17m A: Co Sr Kn Mo Ha Od Lg IK Ci Tl SF AA Ap Tn Gn Tw SB - B:
Nu Wn Ir Vl Gt Db Hb Ty Aq Tf Tk Md Fr Pe Ak SM Ks MB Mu
Mc Lu PM LQ Pi Hr To MI DU Ht - C: Le Si Me Wi Sw Mb Ka
Tu Ky Gu Hn - E: Lo St Fū - X: Kv - (ssc: Am - bs: Ma? - bp; Vi) - D: 9.
- 27d 21h 16m A: Sr Nu Kn Mo Wn Gt Fū Od SF Ap Am Ht SB - B: St Sw Vl Ha
Db Hb Lg Aq Tk Md IK Tl Pe SM Tu Ho MB Mu LQ Pi Tw - C:
Le Lo Si Me Wi Ir Kv Vi Mb Ci Ak Ka Ky AA Mc PM Br To MI
- E: Ma Ks Hr - X: Ty Pa - D: 15.
- 28d 05h 24m A: Sr Kn Mo Gt Tk SF Ks AA Lu - B: Lo Me Wn Ir Db Fū Od Mb
Lg Tf Pe SM Ka Ky MB SJ Mu Mc Ap LQ Pi To Am Tw Mw - C:
Le Si Wi Sw Ha Kv Vi Hb Aq Md Ci Tl Fr Tu PM Br Gn Hr SB
- E: Nu St Ma Tn - X: Ty IK Pa - D: 13.
- 29d 06h 50m A: St Wn Ha SF AA Gn Mw - B: Nu Le Lo Mo Wi Ir Vl Gt Ma Db
Od Lg Aq Tf Tk Md Ci Tl Ak SM MB Tn Wk SB - C: Kn Kv Hb Mb
IK Pe Ka Ky SJ Mu Mc Hn Lu Ap Br Hr To Am - E: Me Fū Ks -
X: Ty Eb - (bps: Sr - pt: PM) - D: 16.

TABLE 3 SUDDEN IMPULSES (S.I. 'S) 1960 - continued

JULY

01d 12h 41m	A: Nu Me IK Pe AA Tn - B; Lo Kn Mo Wn Ir Ni V1 Gt Ha Fū Hb Ty Od Lg Aq Tf Tk Md Ak SM Ka Ky Mu Mc Ap Br Gn Am - C; Le Wi Db Vi Mb Eb Tl Fr Tu MB Gu Hn Lu To SB - E; Ks LQ - X: Kv Pi Ht - (ssc: Ma Mw - bs: PM - bps: Sr - cr: Sw - D: 13.
14d 21h 32m	A: Co Sr Nu Si Kn Mo Me St Wn Ni V1 Gt Ha Ma Db Fū Hb Ty Lg Aq Tf Tk Md IK Eb Ci Tl Fr Pe SF Ho SJ MB Mu Gu Mc Ap Tn LQ Br Pi Gn Am Tw Ht SB - B; Le Lo Wi Ir Sw Kv Mb Ak SM Ka Ky Pa Hn Hr To Wk - C; Od Tu MI - E; Ks - X: AA Lu - (ssc: PM) - D: 3.
28d 16h 50m	A: Lg IK SF - B; Nu Le Mo V1 Gt Ha Db Fū Hb Od SM MB Tn - C; Lo Me St Wn Ir Kv Ma Aq Md Tl SJ Mu AA Mc Lu Gn Hr Tw - X: Ty LQ - (sfe: Pi) - D: 36.
29d 01h 27m	A: Mo Me St SF Ks - B; Sr Lo Wi Ir Gt Ha Db Fū Od Lg IK Tl SM PM Ap Tn Am - C; Wn V1 Kv Ma Vi Hb Mb Aq Tf Tk Md Ci Pe Ka Tu Ky SJ Mu Mc Hn Pi Gn - E; Nu PM - X: Ty Lu LQ DU - (cr: Sw) - D: 22.

AUGUST

18d 00h 20m	A: Sr Nu Kn Mo Me St Fū Hb Ty Lg Tk Tl SM SF Am Tw - B; Si Wn Ir Sw Gt Ha Kv Ma Db Od Aq Md IK Ci Fr Ak Tu Mu Gu PM Ap Pi Gn To Kg SB - C; Le Lo Wi V1 Vi Tf Mb Eb Pe Ka Ky Ho SJ Mc Tn Hr MI - E; Ks - X: Hn Lu LQ Ht - D: 8.
28d 06h 27m	A: Sr Nu Kn Mo Fū Ty AA Gn - B; Lo Me Wn Ir Sw Ni V1 Ha Ma Db Hb Aq Tf IK Ci Tl Ak SM Mu Mc Lu Ap Pi Hr Am Tw Mw SB - C; Le Kv Vi Od Mb Md Pe SF Ka Tu Ky MB Gu PM To - X; Lg LQ Br - (sfe: Gt) - D: 17.

SEPTEMBER

02d 18h 18m	A: Me IK SF Tw Ht SB - B; Mo Ir V1 Gt Ha Db Fū Od Mb Lg Aq Tk Ci Pe Ak SM SJ Mu AA Mc Lu Ap Br Pi Gn - C; Wn Wi Sw Kv Ma Vi Hb Tf Md Ka Ky Ho MB Gu Hn PM Tn Hr MI Mw ; E: Nu Lo St Sl Ks Am - X: Ty LQ - D: 14.
04d 11h 45m	A: Sr Nu Lo Kn Mo Me Wn? Kv Fū Hb Od Tf Tk IK Ci Pe SM SF Ho MB Mu Gu AA Mc Ap Tn Pi Gn Am Tw Kg - B; Le Ir Sw Ha Db Vi Ty Mb Lg Aq Tl Ak Ka Ks Tu Ky SJ Pa Hn PM Hr To Mw Ht SB - C; Si Wi Fr - E: St MI - X: Md LQ Br - (ssc: V1 Gt Ma Eb Lu Wk DU?) - D: 2.
04d 21h 25m	A: St. Wn Wi Ma Db Fū Hb Od Lg IK Ci Tl AA Tn - B; Le V1 Kv Tf Pe? SM Pi Tw - C; Ir SF Ks MB Mu Mc Lu Ap - E; Sr Nu Lo Kn Mo Me Ty Mb Ka Ky Am Kg MI Mw - X: Md LQ Br To - (ssc: Sw Gt - bp: Ha - bps: Aq Eb Hr Wk) - D: 18.

OCTOBER

07d 08h 44m	A: Gt Od Lg IK AA Lu Tw - B; Le Wn Ir V1 Ha Hb Tk Md Eb Ci Tl Pe SM MB Mu Mc Hu MI Mw Ht - C; Lo Wi Sw Kv Vi Tf Ka Ky SJ Hn PM - E; Co Sr Nu Si Me St Fū Ty Ks Ho Br Gn Hr Kg - X: Db SF Tn - (ssc: Ma - b; Ap To Am - bp: Wk - pt: Mb) - D: 12.
13d 21h 47m	A: Sr St Gt Ha Db Fū Hb Ty Lg Tf IK Ci SM SF Ho SJ Gu AA Lu Ap Tn LQ Pi Am Tw Ht SB - B; Nu Lo Si Mo Me Wi Ir Sw Ni V1 Kv Ma Aq Md Eb Fr Ak MB Pa Mc Hu Hr Kg MI Wk DU - C; Co Le Tu Br - X: Pe Mu - (ssc: Wn Wi Mb Tk Tl Ka Ks? Ky Hn PM Gn To - cr: Od) - D: 2.
23d 17h 25m	A: Me Ty Lg IK? SM Tw - B; Lo St Gt Ha Db Fū Tf Md Ak MB Pa Hu Tn - C; Le Wn V1 Kv Ma Hb Mb Aq Eb Ci SF Ka Ky SJ Hn Lu PM Ap Gn Hr To - X: Am Ht - (ssc: Tk - b: Ks AA Mc? - cr: Od Pe Mu - sfe: Nu Ir Tl Pi) - D: 21.

NOVEMBER

13d 10h 21m	A: Wn Fū Od Mb Md IK Eb Pe SM Ka Ho MB Mu AA Ap Br Am Wk Ht SB - B; Ir Lg Tk Ci Tl Fr Ky Mc Hn PM LQ Pi - C; Tf
-------------	---

TABLE 3 SUDDEN IMPULSES (S. I. 'S) 1960 - continued

(NOVEMBER)

Hb Tu Ky Ks SJ Gu Tn Gn To Kg MI DU Mw - X: Ak SF Lu - (ssc: Gt Aq Tw) - D: 1.

21d 21h 47m A: Sr Kn Mo Me Gt Ha Hb Ty Lg Tf IK Ak SM SF Ho Mu Gu AA Lu Ap Tn LQ Pi Am Tw Ht - B: St Wn Wi Ir Sw Kv Ma DbFü Od Aq Tk Md Eb Ci Tl Pe Ky SJ Pa Mc Hn PM Hu Br Hr To MI - C: Nu Le Si Vl Vi Mb Fr Ka Tu MB - E: Lo Ks - D: 7.

24d 20h 52m A: Mo Gt Ty Lg SM? SF Ho Lu Ap LQ Pi Gn Am Tw SB - B: Sr Me Wn Ir? Ha Kv Db Fü Hb Od Aq Tf Tk Md IK Tl Pe AkSM SJ Mu Gu AA Pa Mc PM Hu Br To MI Ht - C: Co Nu Le St Wi Sw Vi-Mb Ci Fr K a Tu Ky MB Hn Hr - E: Ks - (b: Ma) - D: 8.

DECEMBER

05d 19h 43m A: Me Ty Lg Tf IK SF Tn Ht - B: Sr Mo St Ir Vl Gt Ha Ma DbFü Od Md Tl Ak Mu AA Lu Hu Ap LQ Gn Am Tw SB - C: Co Nu Le Lo Wn Sw Kv Vi Hb Mb Aq Tk Ci Pe Ka Ky SJ MB Mc PMBrHr To - X: Fr Pi - D: 17.

14d 10h 57m A: Mo Gt Lg Tf IK SM SF AA Lu Tn - B: Nu Le Me St Wn Ir Ni Vl Ha Kv Ma Db Fü Hb Ty Od Aq Tk Md Ci Tl Pe Ak MBMuMc Hu Ap LQ Gn Am Tw - C: Lo Wi Sw Mb Eb Ka Ky SJ Hn PM Br Hr Wk DU - E: Ks - X: Pa Pi To - D: 14.

14d 15h 02m A: Nu Me Gt Ty Lg Tf IK SM SF Ks LQ Pi Tw SB - B: Le Lo Mo Wn St Ir Sw Ni Vl Ha Ma Db Hb Od Aq Tk Ci Tl Ak Tk TlAkMB Mu Lu Hu Ap Gn Am DU Ht - C: Si Wi Kv Mb Md Eb Fr Pe Ka Ky SJ Pa Mc Hn PM Tn Br Hr MI Wk Mw - E: Fü - X: Tu To - D: 8.

17d 23h 27m A: Kn Mu - B: Lo St Fü Ir Lg Aq Tf Tl Ak MB Mc Hn Hu Tn Br Ht - C: Nu Me Wn Wi Sw Kv Hb Mb Tl Ci Pe SF Ka Tu KyHoAA Pa Hr To MI - X: SM Pi Gn SB - (bs: IK - bp: Ha Md - bps: Vl-cr: Gt Ma Od Lu - sfe: Vi Ty Ks Gu? PM LQ Tw Mw) - D: 15.

20d 08h 34m A: Mo St Ni Gt Ha Fü Ty Tf SF - B: Sr Le Lo Wn Wi IrSwVlMa Db Hb Od Lg Aq Md IK Ci Tl - C: Co Si Me Kv Mb EbPe? AkKa Tu Ky SJ MB Mu Mc Lu Hr - E: Kn DU - X: SM - D: 27.

27d 15h 15m A: St Wi Gt Fü Hb Od IK SF Ks AA - B: Wn Sw Db Lg Tf Ci Tl Ak SM Hr Mw - C: Kv Ho SJ MB Mu Mc Lu PM LQ Pi Tw-E: Co Sr Nu Lo Me Ty Tn To Kg MI - X: Ht - (ssc: Le Tk Md - bs: Kn Vl Ma Pe - bp: Ha - bps: Mo Aq - pt: Mb Ka Ky) - D: 18.

TABLE 4 MINOR DISTURBANCES 1960

Minor disturbances (ssc, etc) reported by less than ten stations lying between 322.5° and 52.5° or by less than four stations lying between 52.5° and 322.5° . Most of these disturbances have already been published in the three-monthly reports from the C + K Centre, De Bilt. Cases received to late for publication in the three-monthly reports or for inclusion in the checking-lists are likewise included here. Disturbance type assigned to each phenomenon and number of observatories reporting them are also given together with the time.

JANUARY

d	h	m		d	h	m		d	h	m		d	h	m					
01	21	40	2 pt	-	01	22	15	6 pt	-	02	11	28	1 pt	-	02	13	30	1 pt	-
02	14	55	2 pt	-	02	18	28	7 b+pt	-	03	03	30	1 pt	-	03	04	15	1 pt	-
03	11	59	5 b+pt	-	03	12	43	3 b+pt	-	03	13	48	1 pt	-	03	17	46	1 si	-
03	20	10	1 pt	-	03	21	48	1 si	-	03	23	07	1 pt	-	04	00	00	1 pt	-
04	00	15	2 b+pt	-	04	01	04	2 pt	-	04	04	21	1 ssc	-	04	07	10	1 ssc	-
04	11	41	4 si	-	04	12	14	5 si	-	04	13	37	1 pt	-	04	15	23	1 pt	-
04	23	06	1 pt	-	04	23	45	4 b+pt	-	05	00	30	5 pt	-	05	07	44	4 pt	-
05	12	03	1 si	-	05	12	09	1 si	-	05	12	50	4 b+pt	-	05	18	18	1 b+pt	-
05	22	27	3 b+pt	-	05	22	47	1 si	-	05	23	25	1 b+pt	-	06	13	03	2 si	-
06	19	30	1 pt	-	06	20	48	1 pt	-	06	22	14	8 pt	-	06	22	55	1 pt	-
07	18	36	4 pt	-	08	11	12	3 pt	-	08	11	24	2 pt	-	08	20	10	1 b+pt	-
08	20	50	1 b+pt	-	09	16	59	1 pt	-	09	17	15	1 pt	-	09	20	25	1 si	-
09	22	57	7 pt	-	10	00	30	2 pt	-	10	01	35	1 pt	-	10	06	08	2 b+pt	-
10	06	45	3 pt	-	10	06	58	2 pg	-	10	10	00	2 si	-	10	16	00	1 pt	-
10	16	36	8 si	-	10	19	40	2 b+pt	-	10	20	10	3 b+pt	-	10	20	33	1 b+pt	-
11	03	20	1 pg	-	11	09	36	2 pg	-	11	10	56	1 b+pt	-	11	16	36	4 b+pt	-
11	16	55	1 b+pt	-	11	23	26	2 b+pt	-	12	00	49	1 b+pt	-	12	10	44	2 si	-
12	12	14	4 b+pt	-	12	14	35	3 b+pt	-	12	18	05	1 pt	-	12	19	13	1 pt	-
13	00	45	1 pt	-	13	01	25	9 b+pt	-	13	01	55	1 pt	-	13	02	55	2 b+pt	-
14	01	19	2b+pt	-	14	01	48	1 b+pt	-	14	05	56	2 si	-	14	07	57	4 ssc	-
14	09	00	4 si	-	14	18	10	1 pg	-	14	19	07	1 b+pt	-	14	20	09	6 si	-
14	21	17	1 b+pt	-	14	21	48	1 b+pt	-	15	00	40	1 b+pt	-	15	01	23	2 b+pt	-
15	05	29	1 ssc	-	15	10	50	1 pt	-	15	19	15	1 pt	-	15	20	46	4 pt	-
15	21	42	2 pt	-	15	22	37	1 pt	-	15	23	08	1 pt	-	15	26	03	3 b+pt	-
16	07	26	1 b+pt	-	16	17	18	3 b+pt	-	17	11	52	1 pt	-	17	12	47	1 ssc	-
17	14	37	1 pt	-	17	15	34	3 si	-	17	21	16	1 si	-	17	22	59	2 si	-
18	04	27	2 b+pt	-	18	07	50	1 ssc	-	18	09	57	1 si	-	18	11	44	1 b+pt	-
18	13	13	1 si	-	18	23	42	3 b+pt	-	19	00	01	4 b+pt	-	19	09	04	1 b+pt	-
19	12	45	4 pt	-	19	16	58	4 pt	-	19	19	05	1 b+pt	-	20	02	23	2 b+pt	-
20	03	57	2 ssc	-	20	09	33	3 si	-	20	10	21	1 b+pt	-	20	13	57	2 si	-
20	15	22	4 pt	-	20	16	02	1 pt	-	20	22	18	1 ssc	-	21	00	00	2 b+pt	-
21	00	40	1 ssc	-	21	01	00	1 b+pt	-	21	05	10	1 pt	-	21	09	13	1 ssc	-
21	13	36	1 si	-	21	13	55	2 si	-	21	15	58	1 b+pt	-	21	16	36	4 b+pt	-
21	22	36	1 b+pt	-	21	22	51	2 b+pt	-	22	05	09	1 si	-	22	09	31	1 si	-
22	09	58	2 si	-	22	11	10	1 si	-	22	18	35	1 pt	-	23	02	42	1 ssc	-
23	05	02	1 pt	-	23	06	35	1 ssc	-	23	07	21	1 pt	-	23	13	12	2 b+pt	-
23	17	05	3 b+pt	-	23	19	32	1 si	-	24	02	43	1 pt	-	24	10	27	2 si	-
25	10	08	1 si	-	25	17	05	2 b+pt	-	25	22	06	1 b+pt	-	26	06	26	1 pt	-
26	23	40	1 b+pt	-	27	00	17	1 b+pt	-	27	01	46	1 pt	-	27	10	30	1 b+pt	-
27	14	17	4 pt	-	27	15	15	1 pt	-	28	00	28	2 pt	-	28	01	43	1 pt	-
28	02	28	4 b+pt	-	28	12	15	1 pt	-	28	12	36	1 b+pt	-	28	14	13	1 pt	-
28	15	15	ssc	-	28	16	15	4 pt	-	28	21	15	1 ssc	-	29	02	20	1 ssc	-
29	10	47	1 pt	-	29	12	22	1 pt	-	29	13	01	1 pt	-	29	23	28	2 pt	-
30	12	45	1 pt	-	30	13	49	1 pt	-	30	20	15	1 pt	-	30	20	57	3 pt	-
30	22	05	1 pt	-	31	00	39	7 pt	-	31	01	10	1 pt	-	31	02	40	2 pt	-
31	02	56	1 pt	-	31	09	25	1 pt	-	31	17	49	1 si	-	31	21	32	4 pt	-

FEBRUARY

01	14	21	1 pt	-	01	14	34	1 pt	-	02	03	47	1 pt	-	02	04	22	2 b+pt	-
02	10	00	1 pt	-	02	10	30	2 b+pt	-	02	10	47	2 pt	-	02	14	00	1 pt	-
02	16	15	1 pt	-	02	16	47	1 si	-	02	19	23	4 b+pt	-	02	19	44	1 si	-
02	20	05	2 si	-	02	22	28	2 b+pt	-	03	10	09	3 b+pt	-	03	11	34	2 si	-
03	15	07	4 b+pt	-	03	15	30	2 b+pt	-	03	19	54	1 si	-	03	23	02	1 pt	-
03	23	20	1 b+pt	-	04	01	30	1 pt	-	04	04	51	1 b+pt	-	04	05	12	2 pt	-
04	07	22	1 pt	-	04	09	29	2 pt	-	04	09	58	5 pt	-	04	12	00	1 b+pt	-
04	12	15	1 b+pt	-	04	12	35	1 b+pt	-	04	16	00	1 ssc	-	04	17	20	1 b+pt	-

TABLE 4 MINOR DISTURBANCES 1960 - continued

(FEBRUARY)

d	h	m		d	h	m		d	h	m		d	h	m		d	h	m	
04	18	18	1 b+pt	-	04	18	30	1 b+pt	-	04	21	03	4 b+pt	-	05	06	10	2 si	-
05	10	00	1 ssc	-	05	10	48	2 b+pt	-	05	11	10	2 b+pt	-	05	12	58	1 si	-
05	14	00	1 pg	-	05	14	21	4 pt	-	05	21	34	6 pt	-	06	00	50	1 si	-
06	01	58	6 b+pt	-	06	02	58	1 b+pt	-	06	16	22	7 b+pt	-	06	20	45	1 pt	-
06	22	24	2 b+pt	-	06	23	21	1 si	-	07	01	20	1 pt	-	07	01	36	7 pt	-
07	01	57	2 pt	-	07	12	41	1pt	-	07	19	10	6 pt	-	08	03	02	1 pt	-
08	04	42	1 si	-	08	09	44	3 pt	-	08	11	09	2 pt	-	08	13	30	1 pt	-
08	15	35	4 pt	-	08	15	54	1 b+pt	-	08	16	16	2 b+pt	-	09	02	15	1 b+pt	-
09	12	10	1 pt	-	09	14	10	1 pt?	-	10	10	00	1 pg	-	10	13	33	1 pt	-
10	17	38	1 si	-	11	10	42	2 si	-	11	11	42	1 pt	-	11	11	55	2 pt	-
11	17	04	6 b+pt	-	11	11	18	1 b+pt	-	12	00	36	2 pt	-	12	03	18	3 pt	-
12	08	12	1 pt	-	12	18	55	1 b+pt	-	12	20	34	1 pt	-	13	07	31	1 ssc	-
13	14	35	4 si	-	13	19	15	9 b+pt	-	13	19	30	3 ssc	-	13	21	30	1 b+pt	-
13	22	29	9 b+pt	-	13	23	14	4 b+pt	-	14	00	00	1 pt	-	14	05	00	1 b+pt	-
14	20	35	3 b+pt	-	14	21	00	1 b+pt	-	15	08	07	1 b+pt	-	15	12	24	1 ssc	-
15	14	03	2 pt	-	15	18	30	1 pt	-	15	21	07	1 pt	-	16	04	49	1 pt	-
16	07	31	1 ssc	-	16	08	47	6 ssc	-	16	09	20	1 ssc	-	16	09	31	3 b+pt	-
16	11	40	1 si	-	16	14	14	3 b+pt	-	16	14	43	2 b+pt	-	16	15	15	1 si	-
16	21	06	1 pt	-	16	22	07	5 b+pt	-	17	01	43	5 b+pt	-	17	04	15	1 pt	-
17	04	26	1 pt	-	17	05	18	1 pt	-	17	07	35	1 si	-	17	08	33	1 si	-
17	11	09	1 ssc	-	17	11	56	4 pt	-	17	12	09	3 pt	-	17	14	29	1 si	-
17	18	00	2 b+pt	-	17	18	15	1 b+pt	-	17	22	00	1 ssc	-	17	23	22	1 si	-
18	00	13	1 si	-	18	01	58	1 pt	-	18	05	45	1 si	-	18	06	30	2 si	-
18	08	04	8 si	-	18	12	12	3 pt	-	18	17	23	1 pt	-	18	23	04	1 pt	-
19	04	55	2 pt	-	19	07	18	1 ssc	-	19	09	12	2 pt	-	19	15	05	3 b+pt	-
19	17	00	1 b+pt	-	19	20	16	4 b+pt	-	19	23	17	1 b+pt	-	20	05	18	1 si	-
20	15	52	4 b+pt	-	20	20	09	1 b+pt	-	20	20	33	1 pt	-	20	22	46	1 si	-
21	01	33	2 si	-	21	08	00	1 pt	-	21	08	55	1 pt	-	21	09	55	3 b+pt	-
21	10	12	2 b+pt	-	21	15	49	2 b+pt	-	21	16	50	1 pt	-	21	19	28	3 pt	-
21	19	55	8 b+pt	-	21	20	37	2 pt	-	22	00	12	1 pt	-	22	05	51	1 pt	-
22	07	20	2 b+pt	-	22	10	38	4 pt	-	22	19	26	2 pt	-	22	20	45	8 b+pt	-
23	01	09	2 pt	-	23	01	42	4 pt	-	23	04	42	3 pt	-	23	05	01	2 b+pt	-
23	12	52	7 si	-	23	16	50	2 b+pt	-	24	05	24	2 pt	-	24	11	52	1 pt	-
24	16	44	4 pt	-	24	21	27	1 pt	-	24	22	59	5 pt	-	25	06	46	2 pt	-
25	07	50	1 pt	-	25	08	27	2 b+pt	-	25	11	45	1 pt	-	25	21	43	4 b+pt	-
25	22	24	5 b+pt	-	25	22	40	1 b+pt	-	25	22	57	1 pt	-	25	23	19	5 pt	-
26	00	07	2 pt	-	26	06	45	1 pt	-	26	07	42	1 ssc	-	26	14	32	1 pt	-
26	15	20	2 si	-	26	17	54	6 si	-	27	03	31	2 b+pt	-	27	05	40	1 pt	-
27	10	54	2 si	-	27	11	53	1 si	-	27	12	14	1 si	-	27	12	54	4 pt	-
27	15	07	1 pg	-	27	15	27	1 si	-	27	15	56	1 si	-	27	17	09	2 pt	-
27	18	05	1 b+pt	-	27	20	35	1 si	-	27	21	42	5 b+pt	-	27	21	59	3 b+pt	-
27	22	18	2 pt	-	28	07	38	2 pt	-	28	10	30	1 pt	-	28	13	26	4 pt	-
28	21	30	1 pt	-	28	23	50	3 pt	-	29	00	05	2 pt	-	29	02	12	2 b+pt	-
29	05	23	2 pt	-	29	10	14	1 b+pt	-	29	17	40	1 pt	-	29	21	39	1 pt	-
29	23	50	1 pt	-															

MARCH

01	01	15	1 pt	-	01	01	34	1 b+pt	-	01	09	59	4 b+pt	-	01	15	18	4 pt	-
01	18	14	1 b+pt	-	01	18	52	5 b+pt	-	01	19	46	7 b+pt	-	01	20	09	2 b+pt	-
02	01	19	3 b+pt	-	02	02	20	4 pt	-	02	02	35	2 b+pt	-	02	04	20	1 pt	-
02	05	40	1 pt	-	02	11	05	1 pt	-	02	16	32	1 pt	-	02	17	14	4 b+pt	-
02	20	58	1 b+Pt	-	03	06	43	1 b+pt	-	03	07	16	3 si	-	03	11	55	4 pt	-
03	16	24	1 pt	-	03	17	24	3 pt	-	04	01	48	1 pt	-	04	04	03	1 pt	-
04	14	51	3 b+pt	-	04	20	15	2 pt	-	05	10	43	1 ssc?	-	05	12	44	1 si	-
05	13	30	2 b+pt	-	05	20	37	8 b+pt	-	05	20	58	1 b+pt	-	06	02	18	1 pt	-
06	03	30	1 si	-	06	04	08	3 b+pt	-	06	06	35	1 si	-	06	08	25	1 si	-
06	08	50	1 pt	-	06	13	19	4 pt	-	06	16	52	5 pt	-	06	19	23	3 b+pt	-
07	05	36	3 si	-	07	10	54	11 pt	-	07	11	10	2 pt	-	07	11	29	2 pt	-
07	12	04	2 pt	-	07	13	05	1 pt?	-	07	19	40	2 pt	-	07	21	57	8 pt	-
07	23	42	6 pt	-	07	23	59	5 pt	-	08	00	31	1 pt	-	08	01	20	3 pt	-
08	01	39	2 pt	-	08	01	57	2 pt	-	08	03	42	3 si	-	08	05	14	1 pt	-
08	05	29	4 pt	-	08	05	43	3 b+pt	-	08	09	28	1 si	-	08	13	59	1 b+pt	-
08	15	12	1 si	-	08	15	13	1 b+pt	-	08	21	33	1 b+pt	-	08	22	54	2 pt	-
08	23	21	1 b+pt	-	08	23	51	1 b+pt	-	09	09	26	3 b+pt	-	09	14	04	4 pt	-
09	15	25	1 pt?	-	10	05	33	1 pt	-	10	07	48	1 b+pt	-	10	08	18	1 b+pt	-

TABLE 4 MINOR DISTURBANCES 1960 - continued

(MARCH)

d	h	m		d	h	m		d	h	m		d	h	m					
10	11	20	1 b+pt	-	10	14	50	4 pt	-	10	16	05	2 b+pt	-	10	16	21	1 b+pt	-
10	18	27	1 pt	-	10	19	21	1 b+pt	-	11	05	27	1 ssc	-	11	08	50	1 ssc	-
11	10	21	5 si	-	11	10	47	1 b+pt	-	11	16	23	4 b+pt	-	11	17	19	1 b+pt	-
11	17	33	2 b+pt	-	11	23	56	1 pt	-	12	09	00	1 pt	-	12	12	38	3 b+pt	-
12	12	55	4 b+pt	-	12	15	00	5 pt	-	12	15	44	1 pt	-	12	17	20	1 pt	-
12	17	42	1 pt	-	12	19	20	1 pt	-	12	20	48	1 pt	-	12	21	18	5 pt	-
13	00	40	pg?	-	13	01	46	6 pt	-	13	02	27	1 pt	-	13	12	49	3 pt	-
13	14	33	2 pt	-	13	15	04	4 pt	-	13	15	20	1 pt	-	13	16	03	1 pt	-
13	16	27	2 pt	-	13	16	58	1 pt	-	13	20	44	6 b+pt	-	13	22	27	1 pt	-
14	03	07	1 pt	-	14	03	23	1 si	-	14	10	40	1 ssc	-	14	15	59	3 si	-
14	17	25	1 si	-	15	08	42	1 ssc	-	15	12	25	8 ssc	-	15	15	53	7 si	-
15	16	05	1 ssc	-	15	16	52	1 b+pt	-	15	17	54	1 b+pt	-	15	18	49	1 si	-
15	23	16	1 b+pt	-	15	23	36	1 b+pt	-	16	00	03	1 si	-	16	01	50	1 b+pt	-
16	02	18	1 si	-	16	05	11	3 si	-	16	05	34	1 si	-	16	06	02	3 si	-
16	08	19	1 ssc	-	16	09	33	2 si	-	16	14	40	1 ssc	-	16	16	42	1 pt	-
16	17	06	1 b+pt	-	16	19	07	1 b+pt	-	16	19	23	7 b+pt	-	16	19	43	2 b+pt	-
16	20	00	1 pg	-	16	22	00	1 b+pt	-	16	22	24	5 b+pt	-	17	02	27	1 si	-
17	03	10	1 b+pt	-	17	05	30	2 pt	-	17	08	48	1 si	-	17	11	49	1 pt	-
17	19	17	7 b+pt	-	17	20	01	5 b+pt	-	18	00	23	1 pt	-	18	04	28	1 pt	-
18	11	45	2 pt	-	18	12	48	3 pt	-	18	14	19	3 pt	-	18	23	44	2 pt	-
19	00	03	1 pt	-	19	06	43	1 si	-	19	13	45	1 pt	-	19	15	45	1 si	-
20	01	31	1 pt	-	20	01	57	1 si	-	20	04	15	4 b+pt	-	20	12	58	2 pt	-
20	13	58	1 pt	-	20	20	35	2 pt	-	20	23	33	1 pt	-	21	07	36	3 b+pt	-
21	11	42	1 si	-	21	12	10	1 si	-	22	03	44	1 pg?	-	22	08	42	1 pt	-
22	09	45	1 pt	-	22	12	01	4 pt	-	22	12	44	1 b+pt	-	22	14	26	2 pt	-
22	18	30	1 pt	-	22	21	45	1 pt	-	22	22	46	9 pt	-	22	23	01	2 b+pt	-
22	23	28	4 pt	-	23	03	21	1 pt	-	23	04	35	2 b+pt	-	23	04	57	1 pt	-
23	05	27	1 pt	-	23	11	30	1 si	-	23	13	34	1 pt	-	23	13	49	1 si	-
23	21	24	2 b+pt	-	23	22	14	1 pt	-	24	00	37	4 pt	-	24	01	21	3 b+pt	-
24	09	21	2 b+pt	-	24	10	50	1 b+pt	-	24	14	45	5 ssc	-	24	15	10	1 b+pt	-
24	15	28	2 pt	-	24	15	58	2 b+pt	-	26	00	00	1 pt	-	26	01	26	2 pt	-
26	09	16	1 b+pt	-	26	16	42	3 pt	-	27	00	47	1 pt	-	27	00	56	1 pt	-
27	01	11	2 pt	-	27	01	24	3 pt	-	27	19	36	2 pt	-	28	04	53	1 pt	-
28	07	15	1 ssc	-	28	07	30	1 ssc	-	28	08	00	1 b+pt	-	28	11	13	1 si	-
28	15	30	4 pt	-	28	19	29	2 b+pt	-	28	23	19	1 b+pt	-	29	00	10	2 pt	-
29	06	58	1 si	-	29	07	15	3 b+pt	-	29	10	12	1 si	-	29	14	32	1 pt	-
29	15	06	9 si	-	29	17	18	3 pt	-	29	21	41	4 pt	-	29	21	55	1 pt	-
29	22	18	1 pt	-	30	00	00	1 pt	-	30	10	33	1 pt	-	30	11	54	1 b+pt	-
30	12	26	1 pt	-	30	20	09	1 b+pt	-	30	23	06	4 pt	-	30	23	21	1 b+pt	-
30	23	35	1 pt	-	31	00	04	2 pt	-	31	08	13	1 b+pt	-	31	09	01	1 pt	-
31	12	50	4 si	-	31	16	22	2 b+pt	-	31	18	34	3 si	-	31	19	43	5 si	-
31	21	42	4 si	-	31	22	27	1 ssc	-	31	23	18	1 si	-					-

APRIL

01	03	07	3 ssc	-	01	10	36	1 ssc	-	01	11	30	1 si	-	01	16	30	1 si	-
01	19	55	1 si	-	02	06	13	1 si	-	02	18	19	5 si	-	02	22	32	1 ssc	-
03	00	21	2 b+pt	-	03	00	55	1 si	-	03	03	20	1 si	-	03	03	55	1 si	-
03	05	25	3 si	-	03	09	58	1 si	-	03	11	30	1 si	-	03	12	49	1 si	-
03	17	00	1 si	-	03	18	32	5 si	-	04	01	40	1 pg	-	04	13	38	9 si	-
04	14	37	1 si	-	04	16	03	3 si	-	04	16	20	1 b+pt	-	04	18	36	1 pt	-
04	20	27	4 b+pt	-	05	01	26	1 b+pt	-	05	03	15	1 pg	-	05	07	50	1 si	-
05	08	20	1 pt	-	05	15	00	6 b+pt	-	05	15	44	1 si	-	05	19	57	1 si	-
05	20	54	1 si	-	05	21	57	1 pt	-	06	07	51	1 pt	-	06	09	04	1 pt	-
06	09	35	1 pt	-	06	16	09	1 pt	-	06	16	43	2 b+pt	-	06	17	10	1 si	-
06	19	30	1 b+pt	-	06	22	05	1 si	-	06	23	12	2 pt	-	07	03	53	4 b+pt	-
07	14	20	5 si	-	07	16	03	1 si	-	07	16	16	1 si	-	07	16	34	4 pt	-
07	21	50	4 b+pt	-	08	03	05	5 b+pt	-	08	12	34	1 si	-	08	15	49	4 pt	-
08	23	29	5 pt	-	08	23	57	2 pt	-	09	16	10	1 b+pt	-	09	23	51	9 pt	-
10	00	12	1 ssc	-	10	01	03	1 pt	-	10	04	45	1 pt	-	10	05	03	1 ssc	-
10	06	03	1 ssc	-	10	11	31	2 b+pt	-	10	14	26	1 pt	-	10	17	31	2 pt	-
10	18	08	1 b+pt	-	10	18	27	2 b+pt	-	10	21	07	1 pt	-	10	22	34	5 si	-
10	22	57	3 b+pt	-	11	17	58	2 b+pt	-	11	21	39	1 si	-	11	23	40	1 ssc	-
12	01	18	1 b+pt	-	12	01	40	4 b+pt	-	12	07	35	1 b+pt	-	12	09	02	2 pt	-
12	12	19	2 b+pt	-	12	13	25	1 pt	-	12	20	47	2 pt	-	12	21	22	4 b+pt	-
12	21	45	2 b+pt	-	13	01	58	3 b+pt	-	13	13	14	3 si	-	13	15	43	1 pt	-

TABLE 4 MINOR DISTURBANCES 1960 - continued

(APRIL)

d	h	m		d	h	m		d	h	m		d	h	m		d	h	m	
13	21	45	1 b+pt	-	13	22	54	1 pt	-	13	23	18	1 pt	-	14	03	18	1 pt	-
14	04	00	1 pt	-	14	04	41	1 pt	-	14	09	40	1 pt	-	14	10	02	1 si?	-
15	00	36	1 b+pt	-	15	04	25	2 b+pt	-	15	04	41	1 si	-	15	11	59	1 pt	-
15	15	53	4 pt	-	15	19	30	1 pg	-	15	23	10	9 pt	-	16	00	35	7 b+pt	-
16	02	28	1 pt	-	16	03	13	1 pt	-	16	03	41	3 b+pt	-	16	10	55	1 ssc	-
16	12	52	4 b+pt	-	16	20	10	1 b+pt	-	16	23	11	2 b+pt	-	17	00	06	4 b+pt	-
17	09	40	1 pt	-	17	10	12	1 si	-	17	13	46	1 si	-	17	15	25	2 pt	-
17	16	09	4 si	-	17	17	12	3 b+pt	-	17	19	15	1 pt	-	17	20	21	1 pt	-
18	00	48	4 b+pt	-	18	04	08	1 si	-	18	21	18	1 pt	-	18	21	31	3 b+pt	-
18	22	45	1 b+pt	-	18	23	10	1 pt	-	19	02	19	3 b+pt	-	19	03	41	1 b+pt	-
19	06	15	2 b+pt	-	19	07	07	2 b+pt	-	19	10	31	1 pt	-	19	12	10	1 pt	-
19	12	48	3 pt	-	19	14	07	1 pt	-	19	18	51	3 pt	-	20	06	34	3 b+pt	-
20	13	40	2 pt	-	21	13	22	1 pt	-	22	00	00	2 pt	-	22	04	45	1 pt	-
22	05	45	3 b+pt	-	23	03	45	3 b+pt	-	23	04	01	1 b+pt	-	23	04	15	1 pt	-
23	05	10	1 si	-	23	07	45	1 pt?	-	23	10	33	2 si	-	24	00	53	1 b+pt	-
24	01	20	1 si	-	24	05	15	1 si	-	24	07	06	1 b+pt	-	24	07	23	1 b+pt	-
24	13	02	4 b+pt	-	24	14	03	1 b+pt	-	24	16	50	3 pt	-	24	19	27	1 b+pt	-
24	23	55	1 pt	-	25	02	48	1 si	-	25	04	45	1 pt	-	25	07	43	7 si	-
25	08	55	1 si	-	25	10	01	1 b+pt	-	25	13	52	3 b+pt	-	25	14	06	1 b+pt	-
25	20	16	7 b+pt	-	25	20	37	4 b+pt	-	25	21	16	1 b+pt	-	25	21	59	5 pt	-
25	22	57	2 pt	-	26	07	00	2 b+pt	-	26	10	11	1 b+pt	-	26	22	32	2 b+pt	-
27	05	02	1 pt	-	27	13	35	2 b+pt	-	27	22	35	1 pt	-	27	23	00	1 ssc	-
27	23	45	1 pt	-	28	01	34	5 b+pt	-	28	08	28	1 si	-	28	08	40	1 pt	-
28	12	14	2 si	-	28	14	49	1 b+pt	-	28	19	18	1 b+pt	-	28	23	23	1 pt	-
29	00	48	1 b+pt	-	29	01	08	1 si	-	29	04	18	1 b+pt	-	29	06	33	1 b+pt	-
29	18	48	2 b+pt	-	29	19	05	1 b+pt	-	29	23	03	8 b+pt	-	30	00	32	1 si	-
30	09	55	1 si	-	30	16	11	2 si	-	30	17	04	2 si	-					-

MAY

01	08	38	2 pt	-	01	11	12	1 si	-	01	12	15	1 ssc	-	01	14	29	1 si	-
01	14	48	1 si	-	01	15	20	1 pt	-	01	19	25	1 b+pt	-	01	20	07	1 b+pt	-
01	21	24	1 b+pt	-	02	03	06	1 pt	-	02	03	32	1 b+pt	-	02	08	52	1 pt	-
02	09	13	4 si	-	02	11	05	1 pt	-	02	12	02	1 pt	-	02	18	26	1 pt	-
02	19	12	2 b+pt	-	02	21	07	1 b+pt	-	03	02	23	2 pt	-	03	02	42	3 pt	-
03	03	01	1 pt	-	03	09	27	2 b+pt	-	03	09	45	1 b+pt	-	03	11	38	1 pt	-
03	19	41	1 pt	-	04	06	06	1 b+pt	-	04	20	58	1 b+pt	-	04	21	21	5 b+pt	-
05	02	10	1 pt	-	05	03	02	2 si	-	05	04	18	1 ssc	-	05	04	36	1 pt	-
05	06	05	1 pt	-	05	08	08	1 pg	-	05	10	26	1 pt	-	05	12	13	4 pt	-
05	17	00	1 ssc?	-	05	18	37	1 pt	-	05	19	03	1 ssc	-	05	20	31	2 b+pt	-
05	23	26	5 b+pt	-	06	00	00	1 pt	-	06	03	57	1 si	-	06	04	17	3 b+pt	-
06	04	33	1 pt	-	06	05	42	4 b+pt	-	06	11	21	2 ssc	-	06	13	46	4 pt	-
06	17	45	2 b+pt	-	06	18	03	1 b+pt	-	06	19	12	4 si	-	06	21	42	9 si	-
06	22	32	1 b+pt	-	07	00	43	2 si	-	07	01	23	2 si	-	07	04	16	5 b+pt	-
07	08	46	1 ssc	-	07	10	24	1 ssc	-	07	12	05	4 si	-	07	12	19	1 si	-
07	13	30	1 si	-	07	17	50	1 b+pt	-	07	22	17	2 b+pt	-	07	22	32	7 b+pt	-
07	23	15	2 b+pt	-	08	08	46	2 b+pt	-	08	14	00	1 si	-	08	14	28	1 b+pt	-
08	23	05	1 si	-	08	23	29	5 si	-	09	05	06	4 si	-	09	10	11	1 si	-
09	10	35	5 si	-	09	12	08	1 si	-	10	14	57	6 b+pt	-	10	22	34	2 pt	-
10	23	06	1 b+pt	-	10	23	20	3 b+pt	-	11	04	23	1 si	-	11	06	58	1 b+pt	-
11	07	51	1 b+pt	-	11	22	10	1 b+pt	-	12	02	53	1 pt	-	12	05	28	1 pt	-
12	06	29	1 pt	-	12	07	53	1 b+pt	-	12	10	56	4 pt	-	12	12	30	1 pt	-
12	21	45	1 pt	-	12	22	52	4 b+pt	-	13	01	52	1 pt	-	13	04	50	3 pt	-
13	14	09	1 pt	-	13	13	42	2 pt	-	13	15	24	1 pt	-	13	19	36	8 b+pt	-
13	23	05	1 pt	-	13	23	30	2 pt	-	14	01	18	1 pt	-	14	08	41	2 b+pt	-
14	12	56	1 pt	-	14	20	52	8 b+pt	-	14	21	10	1 pt	-	15	05	03	1 pt	-
15	08	00	1 b+pt	-	15	09	08	1 ssc	-	15	12	36	3 pt	-	15	21	00	4 pt	-
16	01	48	3 pt	-	16	03	18	1 pt	-	16	03	54	1 pt	-	16	05	22	1 b+pt	-
16	12	31	1 ssc	-	16	13	07	1 pt	-	16	14	50	11 si	-	16	17	04	1 si	-
16	17	35	2 si	-	16	23	05	2 si	-	16	23	34	1 si	-	17	00	04	2 si	-
17	11	10	1 pt	-	17	12	48	1 si	-	17	13	25	1 b+pt	-	17	15	25	2 pt	-
17	15	46	1 b+pt	-	17	21	34	5 pt	-	18	01	53	4 pt	-	18	02	18	1 pt	-
18	02	46	2 b+pt	-	18	03	51	2 pt	-	18	06	00	1 pt	-	18	12	02	1 pt	-
18	13	46	2 pt	-	18	14	49	2 pt	-	18	23	14	2 pt	-	18	23	27	1 b+pt	-
18	23	51	1 pt	-	19	06	39	1 pt	-	19	22	15	2 pt	-	20	10	14	1 pt	-
20	17	33	2 pt	-	20	23	19	4 pt	-	20	23	33	5 pt	-	21	01	20	1 pt	-

TABLE 4 MINOR DISTURBANCES 1960 - continued

(MAY)																			
d	h	m		d	h	m		d	h	m									
21	06	04	1 pt	-	21	08	58	1 pt	-	21	10	03	1 si	-	21	13	08	1 b+pt	-
21	13	52	1 si	-	21	14	38	1 si	-	21	15	24	3 pt	-	21	16	25	3 pt	-
21	16	50	2 pt	-	21	18	46	2 b+pt	-	22	09	35	2 pt	-	22	14	07	1 si	-
22	14	22	1 ssc	-	22	19	30	1 pt	-	22	22	26	1 ssc	-	22	23	48	1 b+pt	-
23	14	15	1 si	-	23	14	38	1 si	-	23	16	27	4 pt	-	23	23	52	2 pt	-
24	05	10	1 b+pt	-	24	05	53	1 b+pt	-	24	06	27	1 b+pt	-	24	09	50	1 b+pt	-
24	11	46	2 pt	-	24	18	01	7 pt	-	24	19	03	3 b+pt	-	24	19	33	1 b+pt	-
24	20	20	1 b+pt	-	24	22	23	5 b+pt	-	24	22	35	2 b+pt	-	25	03	32	2 b+pt	-
25	11	02	1 pt	-	25	13	47	1 b+pt	-	25	18	00	1 b+pt	-	25	18	42	1 pt	-
25	22	37	1 pt	-	26	03	21	1 b+pt	-	26	12	45	1 si	-	26	20	07	1 pt	-
26	21	02	2 pt	-	26	21	22	1 b+pt	-	26	23	00	1 b+pt	-	26	23	17	3 pt	-
26	23	34	5 b+pt	-	26	23	47	7 pt	-	27	01	15	1 b+pt	-	27	18	40	1 pt	-
27	22	30	1 b+pt	-	28	00	35	1 pt	-	28	01	54	4 b+pt	-	28	08	10	1 pt	-
28	15	04	1 pt	-	28	20	28	1 pt	-	29	00	14	3 pt	-	29	02	12	1 pt	-
29	20	13	3 b+pt	-	29	20	33	5 b+pt	-	29	23	43	6 si	-	30	08	39	1 b+pt	-
30	09	45	3 si	-	30	15	44	1 si	-	30	21	24	4 b+pt	-	31	07	50	2 ssc	-
31	12	13	3 ssc	-	31	12	47	1 pt	-	31	16	46	1 si	-					
JUNE																			
01	00	11	3 b+pt	-	01	00	30	1 b+pt	-	01	03	03	4 b+pt	-	01	03	35	4 b+pt	-
01	04	38	1 pt	-	01	05	40	5 b+pt	-	01	08	30	1 b+pt	-	01	08	55	2 b+pt	-
01	09	35	4 pt	-	01	12	50	1 b+pt	-	01	13	43	1 si	-	02	01	23	3 b+pt	-
02	02	51	1 ssc	-	02	03	40	1 pt?	-	02	04	40	1 pt	-	02	08	00	1 pt	-
02	10	23	1 b+pt	-	02	12	11	1 pt	-	02	13	59	3 si	-	02	21	18	1 b+pt	-
03	02	47	1 ssc	-	03	14	11	2 pt	-	03	14	33	2 pt	-	03	17	17	3 pt	-
03	17	32	1 ssc	-	03	18	00	1 si	-	03	20	44	7 pt	-	03	20	59	2 b+pt	-
03	21	16	4 b+pt	-	04	09	42	2 si	-	04	10	23	2 b+pt	-	04	10	53	1 b+pt	-
04	14	21	1 b+pt	-	04	15	54	5 pt	-	04	20	39	4 si	-	05	00	24	6 b+pt	-
05	02	10	2 b+pt	-	05	03	29	5 b+pt	-	05	06	11	1 b+pt	-	05	06	29	1 b+pt	-
05	09	17	1 si	-	05	10	28	4 pt	-	05	11	21	1 b+pt	-	05	11	45	3 b+pt	-
05	19	13	5 b+pt	-	06	00	12	3 b+pt	-	06	01	03	5 b+pt	-	06	12	25	1 b+pt	-
06	19	22	3 pt	-	06	19	57	6 pt	-	07	00	02	4 b+pt	-	07	00	40	2 b+pt	-
07	18	03	1 b+pt	-	07	18	18	2 b+pt	-	07	18	36	1 b+pt	-	07	22	14	3 pt	-
08	01	47	3 pt	-	08	02	14	2 pt	-	08	02	40	3 b+pt	-	08	03	31	1 b+pt	-
08	03	56	1 b+pt	-	08	04	26	1 si	-	08	10	11	1 pt	-	08	10	54	1 b+pt	-
08	20	35	2 pt	-	08	22	09	3 b+pt	-	09	00	43	7 b+pt	-	09	01	35	4 b+pt	-
09	03	56	3 b+pt	-	09	05	56	2 b+pt	-	09	06	33	1 si	-	09	12	25	2 si	-
09	14	06	1 pt	-	09	14	26	2 b+pt	-	09	17	58	5 b+pt	-	09	18	53	2 b+pt	-
09	20	00	1 pt	-	10	01	40	1 pt	-	10	01	55	6 b+pt	-	10	04	40	2 b+pt	-
10	07	45	1 pt	-	10	09	27	1 ssc	-	10	19	36	5 pt	-	10	20	46	5 b+pt	-
11	01	50	2 b+pt	-	11	08	32	1 si	-	11	19	18	1 b+pt	-	12	02	05	1 b+pt	-
12	04	24	5 pt	-	12	04	48	2 pt	-	12	05	15	1 pt	-	12	05	43	3 pt	-
12	06	42	2 pt	-	12	08	27	2 pt	-	12	09	03	2 pt	-	12	09	26	1 pt	-
12	16	52	1 b+pt	-	13	01	37	2 pt	-	13	02	10	1 pt	-	13	02	32	1 pt	-
13	16	58	1 b+pt	-	13	22	34	1 si	-	14	01	38	9 b+pt	-	14	10	56	2 b+pt	-
14	11	29	2 b+pt	-	14	12	01	1 b+pt	-	14	12	44	2 b+pt	-	14	13	19	4 b+pt	-
14	19	22	1 pt	-	14	19	35	1 pt	-	15	01	23	7 b+pt	-	15	01	46	2 pt	-
15	11	22	1 b+pt	-	15	23	18	3 pt	-	16	00	01	1 b+pt	-	16	03	10	4 b+pt	-
16	06	00	1 b+pt	-	16	06	15	1 pt	-	17	14	44	1 b+pt	-	17	16	58	1 b+pt	-
17	22	52	7 pt	-	17	23	47	1 pt	-	18	00	48	1 b+pt	-	18	10	55	1 b+pt	-
18	12	53	2 pt	-	18	22	15	3 si	-	19	01	36	1 pt	-	19	01	50	1 pt	-
19	02	06	7 pt	-	19	02	21	5 pt	-	19	02	58	2 pt	-	19	05	25	1 b+pt	-
19	10	49	1 si	-	19	18	53	2 pt	-	19	19	41	4 pt	-	19	20	37	6 b+pt	-
19	22	42	4 pt	-	20	06	45	1 pt	-	20	11	16	2 b+pt	-	20	14	12	4 pt	-
20	14	44	3 pt	-	20	15	05	1 pt	-	20	16	21	1 pt	-	21	00	16	1 pt	-
21	03	09	5 si	-	21	03	28	1 pt	-	21	03	50	1 b+pt	-	21	11	06	1 si	-
21	14	12	4 pt	-	21	14	48	1 ssc	-	21	21	48	9 pt	-	21	22	18	1 pt	-
22	00	30	1 pt	-	22	02	56	2 b+pt	-	22	04	38	2 b+pt	-	22	05	48	1 b+pt	-
22	11	35	2 pt	-	23	00	21	3 pt	-	23	00	49	3 b+pt	-	23	13	06	4 pt	-
23	15	42	2 pt	-	23	15	58	2 b+pt	-	23	19	42	1 pt	-	24	03	48	1 pt	-
24	06	30	2 b+pt	-	24	06	50	2 b+pt	-	24	13	25	2 b+pt	-	24	19	40	2 b+pt	-
24	22	14	2 pt	-	24	22	47	2 pt	-	25	00	58	1 pt	-	25	05	26	1 pt	-
25	08	14	1 pt	-	25	09	32	2 pt	-	25	16	19	6 b+pt	-	25	16	38	3 b+pt	-
25	17	36	1 b+pt	-	25	19	30	1 b+pt	-	25	20	58	2 b+pt	-	26	01	39	7 b+pt	-
26	02	00	1 b+pt	-	26	08	46	1 si	-	26	12	22	4 pt	-	26	19	55	1 pt	-

TABLE 4 MINOR DISTURBANCES 1960 - continued

AUGUST																			
d	h	m		d	h	m		d	h	m									
01	08	36	1 pt	-	01	09	43	1 pt	-	01	12	26	1 pt	-	01	13	30	5 b+pt	-
01	19	24	2 b+pt	-	01	21	25	1 pt	-	01	22	07	8 b+pt	-	02	01	31	1 si	-
02	02	44	2 b+pt	-	02	03	09	1 b+pt	-	02	03	33	8 b+pt	-	02	10	10	2 b+pt	-
02	15	26	3 pt	-	02	20	21	1 pt	-	02	22	02	2 si	-	03	16	10	1 b+pt	-
03	23	00	4 pt	-	04	04	27	5 b+pt	-	04	08	24	2 pt	-	04	10	34	3 b+pt	-
04	15	38	4 pt	-	04	16	06	1 pt	-	04	19	48	1 pt	-	05	00	59	3 pt	-
05	01	29	1 pt	-	05	05	23	1 pt	-	05	08	59	2 b+pt	-	05	18	33	3 pt	-
05	19	10	1 pt	-	05	19	29	6 b+pt	-	05	19	41	1 pt	-	06	00	42	3 pt	-
06	01	45	1 pt	-	06	03	06	1 pg	-	05	05	50	2 pt	-	06	11	16	1 si	-
06	20	31	2 pt	-	06	21	16	3 pt	-	06	21	40	2 pt	-	07	01	36	2 b+pt	-
07	12	18	2 si	-	07	13	11	1pt	-	07	22	24	1 si	-	08	01	12	1 pt	-
08	01	42	1 pt	-	08	03	39	4 ssc	-	08	07	16	1 pt	-	08	09	01	3 pg	-
09	11	22	1 b+pt	-	08	14	47	1 pt	-	08	15	09	3 b+pt	-	08	20	25	2 b+pt	-
08	21	50	1 b+pt	-	08	22	14	1 pt	-	08	23	23	4 b+pt	-	08	23	51	2 b+pt	-
09	04	20	2 b+pt	-	09	05	01	4 b+pt	-	09	05	50	1 pg	-	09	10	09	1 b+pt	-
09	11	32	3 b+pt	-	09	17	04	1 pt	-	09	18	56	4 pt	-	09	23	50	4 pt	-
10	03	00	1 pt	-	10	19	12	1 pt	-	11	04	28	1 b+pt	-	11	11	24	1 si	-
11	15	19	1 b+pt	-	11	18	39	1 pt	-	11	18	58	1 b+pt	-	11	23	35	1 si	-
12	04	33	1 b+pt	-	12	10	44	1 b+pt	-	12	11	21	2 b+pt	-	12	20	27	2 pt	-
13	01	35	1 pt	-	13	02	06	1 pt	-	13	03	33	4 b+pt	-	13	09	35	1 pt	-
13	11	33	1 b+pt	-	13	12	23	1 pt	-	13	12	50	1 b+pt	-	13	19	05	1 b+pt	-
13	19	51	5 pt	-	13	22	00	1 pt	-	14	01	23	1 pt	-	14	02	10	1 pt	-
14	02	27	1 b+pt	-	14	02	54	1 pt	-	14	03	15	1 pt	-	14	14	32	2 pt	-
14	17	12	6 si	-	14	20	08	4 b+pt	-	14	20	58	1 si	-	14	23	55	3 b+pt	-
15	02	43	3 b+pt	-	16	00	12	8 b+pt	-	16	01	48	1 pt	-	16	16	35	2 b+pt	-
17	02	40	2 b+pt	-	17	04	06	1 pt	-	17	04	55	1 pt	-	17	06	15	1 si	-
17	08	17	1 si	-	17	09	36	1 si	-	17	15	44	4 si	-	17	16	37	2 pt	-
17	18	34	4 si	-	19	06	39	1 si	-	19	12	01	1 si	-	19	21	17	3 b+pt	-
19	22	04	2 b+pt	-	20	04	29	1 si	-	20	05	20	1 pt	-	20	06	27	2 b+pt	-
20	08	14	4 pt	-	20	08	30	1 pg	-	20	21	18	6 b+pt	-	21	00	16	1 b+pt	-
21	06	44	4 si	-	21	08	33	1 b+pt	-	21	13	06	1 pt	-	21	18	46	1 pt	-
21	21	10	1 ssc	-	21	23	50	1 si	-	22	00	25	1 b+pt	-	22	14	00	1 pt	-
22	18	00	1 b+pt	-	22	19	36	1 pt	-	22	20	00	1 pt	-	22	20	29	1 pt	-
22	22	57	1 pt	-	22	23	35	1 pt	-	23	00	05	1 pt	-	23	00	20	1 pt	-
23	02	00	2 pt	-	23	03	02	1 b+pt	-	23	04	35	1 pt	-	23	05	01	1 si	-
23	10	50	1 pt	-	23	11	07	1 pt	-	23	16	25	3 pt	-	23	16	55	1 b+pt	-
23	18	04	1 pt	-	23	18	50	1 pt	-	23	20	57	2 pt	-	24	00	36	3 b+pt	-
24	01	14	2 pt	-	24	02	21	1 si	-	24	06	00	1 pt	-	24	19	12	1 pt	-
24	23	00	1 pt	-	25	08	32	1 pt	-	25	10	07	2 pt	-	25	11	38	1 pt	-
25	17	10	1 pt	-	25	19	28	1 pt	-	26	07	06	1 pt	-	26	09	52	1 pt	-
26	13	17	3 pt	-	26	13	38	4 pt	-	26	16	30	1 pt	-	26	16	53	3 pt	-
26	23	05	8 pt	-	26	23	33	2 pt	-	27	00	41	1 pt	-	27	08	48	1 pt	-
27	10	12	1 p+	-	27	11	50	1 ssc	-	27	16	26	5 pt	-	27	16	43	3 b+pt	-
27	19	39	3 b+pt	-	27	20	33	6 si	-	27	20	54	1 pt	-	28	02	35	3 b+pt	-
28	03	29	1 pt	-	28	05	26	2 si	-	28	11	28	1 si	-	28	12	37	4 pt	-
28	13	09	1 b+pt	-	28	13	35	1 si	-	28	15	29	5 pt	-	28	16	01	7 b+pt	-
28	16	22	1 si	-	29	04	28	1 si	-	29	04	42	1 b+pt	-	29	05	10	1 si	-
29	08	00	1 b+pt	-	29	14	29	8 si	-	29	14	43	1 b+pt	-	29	15	08	1 si	-
29	15	20	1 si	-	29	16	11	1 si	-	30	06	20	1 si	-	30	07	00	1 si	-
30	07	42	1 si	-	30	09	00	1 b+pt	-	30	10	50	3 b+pt	-	30	14	45	1 pt	-
30	18	00	1 b+pt	-	31	00	12	2 b+pt	-	31	02	49	2 b+pt	-	31	03	10	2 b+pt	-
31	12	18	1 b+pt	-	31	16	15	1 pt	-	31	20	00	1 pt	-					

SEPTEMBER																			
d	h	m		d	h	m		d	h	m									
01	05	18	1 pt	-	01	13	27	4 pt	-	01	14	48	1 pt	-	02	03	35	1 ssc	-
02	04	36	3 pt	-	02	06	12	2 si	-	02	13	22	1 si	-	02	14	11	1 pt	-
02	16	43	4 ssc	-	02	18	46	1 pt	-	02	21	56	1 pt	-	02	22	31	6 b+pt	-
02	23	00	1 si	-	03	05	58	4 b+pt	-	03	06	29	10 b+pt	-	03	06	50	1 si	-
03	08	38	2 si	-	03	10	18	5 si	-	03	12	30	1 b+pt	-	03	17	43	1 b+pt	-
03	17	56	6 b+pt	-	04	00	08	2 pt	-	04	07	20	3 si	-	04	08	07	2 b+pt	-
04	13	52	1 b+pt	-	04	14	12	2 b+pt	-	05	03	07	2 ssc	-	05	06	18	9 si	-
05	06	52	4 si	-	05	14	13	1 b+pt	-	05	14	48	1 b+pt	-	05	15	18	1 si	-
05	18	17	1 b+pt	-	05	22	13	1 pt	-	05	22	36	4 b+pt	-	06	06	36	1 pt	-
06	12	06	1 pt	-	06	19	12	2 b+pt	-	06	19	30	1 b+pt	-	07	02	12	1 pt	-
07	05	30	1 pg	-	07	08	19	1 si	-	07	08	34	1 pt	-	07	09	40	1 ssc?	-
07	12	05	1 b+pt	-	07	17	37	9 b+pt	-	07	18	00	2 b+pt	-	07	18	17	2 b+pt	-

TABLE 4 MINOR DISTURBANCES 1960 - continued

(SEPTEMBER)															
d	h	m		d	h	m		d	h	m		d	h	m	
07	18	45	1 pg	- 07	20	07	4 b+pt	- 07	20	38	4 b+pt	- 07	23	15	1 b+pt
07	23	48	1 b+pt	- 08	00	01	1 b+pt	- 08	07	49	3 b+pt	- 08	09	35	1 pt
08	16	10	2 b+pt	- 09	00	00	2 b+pt	- 09	03	07	1 pt	- 09	12	43	1 pt
09	13	04	3 b+pt	- 09	21	11	4 pt	- 10	01	50	2 b+pt	- 10	04	35	1 pt
10	07	11	1 pt	- 10	10	19	1 b+pt	- 10	14	32	3 b+pt	- 10	15	12	1 b+pt
10	22	15	6 b+pt	- 10	22	43	1 b+pt	- 11	02	12	2 b+pt	- 11	06	20	1 b+pt
11	11	50	1 b+pt	- 11	12	06	2 si	- 11	13	06	1 si	- 11	14	03	5 pt
11	16	19	5 pt	- 11	19	40	1 pt	- 11	20	08	1 pt	- 11	21	02	9 b+pt
11	22	53	1 pt	- 12	00	33	3 pt	- 12	00	52	1 b+pt	- 12	03	30	1 pt
12	15	27	2 b+pt	- 12	18	04	1 pt	- 12	19	05	1 pt	- 12	19	25	5 pt
13	00	00	1 b+pt	- 13	01	27	2 b+pt	- 13	03	22	1 ssc	- 13	03	45	2 b+pt
13	08	06	1 pt	- 13	09	16	1 pt	- 13	10	12	1 pt	- 13	10	24	3 si
13	20	08	6 pt	- 13	20	52	4 b+pt	- 13	23	00	1 b+pt	- 14	00	30	1 b+pt
14	03	35	2 b+pt	- 14	17	57	1 pt	- 14	19	04	1 pt	- 14	20	41	3 pt
14	23	51	1 b+pt	- 15	04	40	1 b+pt	- 15	10	45	1 si	- 15	11	45	1 si
15	13	55	3 pt	- 15	14	21	1 pt	- 15	16	00	2 pt	- 15	17	47	5 pt
15	20	50	1 pt	- 15	22	22	3 pt	- 15	22	53	7 pt	- 15	23	15	1 pt
15	23	55	1 pt	- 16	11	07	4 pt	- 16	12	47	4 pt	- 16	13	57	2 pt
16	21	13	2 pt	- 16	22	04	1 pt	- 17	02	58	3 pt	- 17	03	17	3 pt
17	14	42	1 pt	- 17	17	12	1 pt	- 18	01	19	1 pt	- 18	01	51	2 b+pt
18	09	09	1 b+pt	- 18	14	04	1 b+pt	- 18	15	28	1 pt	- 18	15	42	5 pt
18	22	00	1 pt	- 18	22	30	2 pt	- 18	23	16	1 pt	- 19	04	00	1 pt
19	06	04	3 b+pt	- 19	10	40	1 pt	- 20	06	24	1 pt	- 20	07	55	2 pt
20	09	12	1 pt	- 20	11	10	1 pt	- 20	15	37	5 pt	- 20	18	30	2 pt
20	21	50	1 b+pt	- 20	22	27	2 pt	- 20	22	40	5 b+pt	- 20	23	18	1 b+pt
20	23	58	2 b+pt	- 21	07	15	1 pt	- 21	14	39	1 pt	- 21	14	57	3 b+pt
21	15	10	1 b+pt	- 21	18	30	9 b+pt	- 21	20	27	1 b+pt	- 21	22	36	4 b+pt
21	23	02	5 pt	- 21	23	20	1 b+pt	- 22	14	17	4 pt	- 22	16	50	2 pt
22	19	29	2 ssc	- 22	22	50	1 b+pt	- 23	09	30	1 b+pt	- 23	16	04	1 si
23	21	41	2 pt	- 24	01	35	1 b+pt	- 24	02	15	4 b+pt	- 24	02	34	3 b+pt
24	09	00	1 pt	- 24	10	08	1 b+pt	- 24	14	21	5 si	- 24	16	54	1 b+pt
24	17	00	1 b+pt	- 24	19	20	1 pt	- 24	19	55	4 pt	- 24	20	25	2 b+pt
25	10	50	1 pt	- 25	11	26	1 pt	- 25	18	05	2 pt	- 25	19	05	6 b+pt
25	19	39	1 pt	- 25	20	10	1 pt	- 25	20	30	1 b+pt	- 25	20	48	1 pt
26	01	00	2 pt	- 26	02	10	1 pt	- 26	06	44	5 si	- 26	07	25	1 b+pt
26	19	31	6 pt	- 26	23	00	1 b+pt	- 26	23	45	1 pt	- 27	00	04	2 b+pt
27	00	36	2 b+pt	- 27	03	42	2 b+pt	- 27	06	39	1 b+pt	- 27	07	02	2 b+pt
27	22	32	1 pt	- 27	23	10	1 pt	- 28	01	49	2 pt	- 28	03	33	1 pt
28	23	02	3 pt	- 29	00	00	1 pt	- 29	00	35	1 pt	- 29	00	48	3 pt
29	03	50	2 pt	- 29	04	09	1 pt	- 29	05	51	1 ssc	- 29	07	53	1 b+pt
29	13	49	3 b+pt	- 29	20	55	6 b+pt	- 29	21	31	1 pt	- 30	01	05	1 pt
30	08	36	1 b+pt	- 30	12	36	1 pt	- 30	12	49	2 pt	- 30	13	09	5 b+pt
30	13	55	1 b+pt	- 30	20	04	2 b+pt								

OCTOBER

01	05	12	1 b+pt	- 01	11	46	3 b+pt	- 01	15	44	3 b+pt	- 01	18	17	2 b+pt
01	18	47	5 b+pt	- 02	02	24	1 b+pt	- 02	04	45	1 pg	- 02	11	56	10 b+pt
02	14	31	1 b+pt	- 02	17	43	3 b+pt	- 02	18	02	3 b+pt	- 02	22	40	9 b+pt
02	23	37	3 b+pt	- 03	08	40	1 si	- 03	11	47	2 b+pt	- 03	16	20	1 b+pt
03	20	34	3 pt	- 03	23	03	5 b+pt	- 04	04	05	1 si	- 04	06	22	1 pt
04	07	46	1 pg	- 04	09	40	1 pt	- 04	10	00	1 si	- 04	11	32	8 ssc
04	14	43	3 b+pt	- 04	17	48	5 b+pt	- 04	19	06	3 si	- 04	20	00	1 si
04	22	29	6 b+pt	- 05	01	13	3 b+pt	- 05	07	14	1 pt	- 05	08	44	4 si
05	12	53	4 pt	- 05	15	29	4 pt	- 05	16	40	1 b+pt	- 05	16	52	1 si
05	17	12	1 pt	- 05	19	25	1 ssc	- 05	21	43	2 b+pt	- 05	22	20	1 si
06	01	35	1 si	- 06	02	00	1 b+pt	- 06	02	23	1 si	- 06	02	59	1 ssc
06	07	18	1 si	- 06	08	37	2 si	- 06	09	16	1 si	- 06	11	35	1 si
06	13	19	1 si	- 06	15	24	1 b+pt	- 06	16	52	3 si	- 06	17	27	2 b+pt
06	17	48	3 b+pt	- 06	20	56	1 si	- 06	21	40	1 si	- 06	22	25	2 b+pt
07	01	01	3 si	- 07	01	18	1 si	- 07	03	37	1 si	- 07	09	25	2 pt
07	14	44	6 si	- 07	16	30	1 b+pt	- 07	20	29	2 si	- 07	21	32	1 si
07	23	02	2 b+pt	- 08	00	01	1 b+pt	- 08	00	58	7 b+pt	- 08	02	45	1 pg
08	03	42	1 si	- 08	09	50	7 b+pt	- 08	12	27	4 pt	- 08	18	55	6 b+pt
08	19	45	1 b+pt	- 08	20	04	1 pt	- 08	20	20	2 pt	- 08	03	07	1 b+pt
09	05	03	1 b+pt	- 09	18	48	1 b+pt	- 09	21	05	1 b+pt	- 10	01	11	1 b+pt
10	02	37	2 b+pt	- 10	14	36	b+pt	- 10	17	00	1 pt	- 10	17	51	3 pt

TABLE 4 MINOR DISTURBANCES 1960 - continued

				(OCTOBER)															
d	h	m		d	h	m		d	h	m		d	h	m					
10	18	08	3 pt	-	10	21	01	2 b+pt	-	10	22	23	1 b+pt	-	11	00	19	6 b+pt	-
11	00	44	1 b+pt	-	11	06	12	2 b+pt	-	11	06	38	3 b+pt	-	11	07	03	1 b+pt	-
11	09	13	2 b+pt	-	11	12	30	1 pt	-	11	13	37	6 pt	-	11	19	43	2 pt	-
11	20	26	2 pt	-	11	20	53	9 b+pt	-	11	23	33	2 pt	-	12	02	55	2 pt	-
12	04	12	1 pt	-	12	07	57	1 pt	-	12	08	09	1 pt	-	12	13	23	1 b+pt	-
12	15	14	2 b+pt	-	12	17	28	4 pt	-	12	20	44	1 si	-	12	22	38	2 pt	-
13	21	27	1 si	-	14	21	42	1 si	-	15	03	51	1 si	-	15	18	05	1 b+pt	-
16	02	55	2 b+pt	-	16	10	40	1 pt	-	16	11	06	2 pt	-	16	12	55	1 b+pt	-
16	13	55	1 pt	-	16	22	26	2 b+pt	-	16	23	15	1 pt	-	17	00	57	2 pt	-
17	02	06	1 si	-	17	11	05	1 pt	-	17	12	18	1 pg	-	17	13	51	4 b+pt	-
17	14	16	3 b+pt	-	17	18	09	1 pt	-	17	22	56	6 pt	-	18	00	10	1 pt	-
18	00	37	5 b+pt	-	18	01	40	4 b+pt	-	18	02	04	1 b+pt	-	18	11	02	1 pt	-
18	13	41	3 b+pt	-	18	15	18	1 pt	-	18	20	00	7 b+pt	-	18	20	33	4 b+pt	-
19	03	50	1 b+pt	-	19	04	51	2 b+pt	-	19	16	05	1 b+pt	-	19	18	50	4 pt	-
19	19	50	1 pt	-	20	02	26	2 pt	-	20	08	52	2 pt	-	20	13	45	1 b+pt	-
20	14	56	3 b+pt	-	20	19	45	1 si	-	20	20	45	1 ssc	-	20	23	36	1 pt	-
20	23	55	1 pt	-	21	06	30	1 b+pt	-	21	06	54	3 b+pt	-	21	10	06	2 pt	-
21	19	47	1 pt	-	21	20	01	2 pt	-	21	20	28	2 pt	-	22	04	20	1 pt	-
22	10	20	1 pt	-	23	01	14	2 pt	-	23	01	51	3 pt	-	23	09	00	1 pt	-
23	09	32	2 pt	-	23	12	14	2 pt	-	23	12	52	3 pt	-	23	14	49	6 pt	-
23	19	02	4 pt	-	23	20	49	2 pt	-	23	21	35	1 pt	-	24	09	43	3 pt	-
24	17	30	1 b+pt	-	24	19	09	1 b+pt	-	25	06	28	2 b+pt	-	25	12	40	2 pt	-
25	15	50	6 pt	-	25	16	37	4 b+pt	-	25	18	31	1 b+pt	-	25	20	07	5 si	-
26	01	08	2 b+pt	-	26	05	44	2 ssc	-	26	08	17	1 b+pt	-	26	09	53	3 b+pt	-
26	10	34	1 b+pt	-	26	11	54	2 pt	-	26	12	13	1 b+pt	-	26	14	04	4 b+pt	-
26	17	20	1 pg	-	26	18	54	1 pt	-	26	21	42	2 b+pt	-	27	00	54	1 pt	-
27	09	30	1 b+pt	-	27	09	48	1 b+pt	-	27	11	28	1 b+pt	-	27	12	40	1 si	-
27	18	07	2 b+pt	-	27	20	03	1 pt	-	27	20	21	2 b+pt	-	27	20	39	1 b+pt	-
27	21	15	1 b+pt	-	27	21	32	1 pt	-	28	01	52	1 b+pt	-	28	11	49	2 b+pt	-
28	17	43	2 b+pt	-	28	19	40	1 pg	-	28	21	42	1 si	-	29	00	00	1 b+pt	-
29	01	45	1 b+pt	-	29	08	35	3 b+pt	-	29	10	05	1 b+pt	-	29	13	07	2 b+pt	-
29	17	41	1 pt	-	29	18	00	1 pg	-	29	21	21	8 b+pt	-	29	22	06	1 b+pt	-
30	02	17	2 b+pt	-	30	09	10	2 b+pt	-	30	10	09	4 b+pt	-	30	22	21	1 b+pt	-
30	23	14	4 b+pt	-	30	23	36	5 b+pt	-	31	12	15	1 ssc	-	31	12	55	1 pt	-
31	17	24	1 b+pt	-	31	17	43	1 b+pt	-	31	18	10	1 pt	-	31	19	25	6 b+pt	-
31	20	00	1 b+pt	-	31	20	58	1 b+pt	-										

NOVEMBER

01	03	01	1 pt	-	01	04	00	1 b+pt	-	01	07	48	1 pt	-	01	11	25	4 b+pt	-
01	11	42	1 b+pt	-	01	12	05	2 b+pt	-	01	18	02	1 si	-	01	20	23	1 pt	-
01	20	34	1 pt	-	02	05	58	1 b+pt	-	02	06	19	1 b+pt	-	02	19	24	1 pt	-
03	00	00	1 pt	-	03	00	46	1 b+pt	-	03	01	15	1 b+pt	-	03	10	21	1 si	-
03	11	00	1 b+pt	-	03	11	30	1 b+pt	-	03	11	54	1 b+pt	-	03	12	27	3 pt	-
03	17	26	4 pt	-	03	21	50	1 pt	-	03	22	17	3 pt	-	03	22	28	2 ssc	-
03	22	56	2 b+pt	-	03	23	37	2 pt	-	04	02	20	3 b+pt	-	04	05	56	1 ssc	-
04	10	00	1 ssc?	-	04	18	04	7 b+pt	-	05	03	09	2 b+pt	-	05	19	57	1 pt	-
05	20	15	1 b+pt	-	05	22	44	2 pt	-	06	06	42	1 si	-	06	10	59	1 b+pt	-
06	19	58	4 pt	-	07	01	35	2 pt	-	07	02	19	2 b+pt	-	07	07	18	1 si	-
07	20	48	1 pt	-	08	07	27	1 si	-	08	23	53	2 pt	-	09	03	32	2 pt	-
09	03	55	2 b+pt	-	09	07	17	1 ssc	-	09	11	06	1 pt	-	09	13	46	1 pt	-
09	22	45	1 si	-	10	11	20	1 b+pt	-	11	02	12	5 si	-	11	03	44	6 si	-
11	09	30	1 b+pt	-	11	13	18	1 si	-	11	16	30	1 si	-	11	19	31	1 b+pt	-
12	10	49	1 pt	-	12	17	34	2 si	-	12	21	04	2 si	-	12	23	01	1 b+pt	-
13	00	29	2 si	-	13	06	35	2 si	-	13	14	40	1 si	-	13	15	10	1 si	-
13	16	52	1 pg	-	13	19	15	3 si	-	13	23	28	1 si	-	14	00	30	1 si	-
14	14	11	2 b+pt	-	14	17	15	1 b+pt	-	14	17	32	1 b+pt	-	14	18	59	3 si	-
15	01	53	2 b+pt	-	15	05	30	2 b+pt	-	15	07	40	3 b+pt	-	15	13	48	1 si	-
15	18	46	7 b+pt	-	15	20	56	1 ssc	-	15	21	38	1 ssc	-	15	22	00	8 ssc	-
16	02	34	1 si	-	16	07	17	1 si	-	16	12	14	1 b+pt	-	16	12	53	5 b+pt	-
16	14	40	1 pg	-	16	15	30	1 pg	-	16	23	44	1 b+pt	-	17	04	20	1 pg	-
17	10	20	1 pt	-	17	12	00	1 b+pt	-	17	16	01	2 b+pt	-	17	21	36	1 pt	-
17	23	15	1 pt	-	17	23	37	4 b+pt	-	18	15	06	1 pt	-	19	04	09	1 si	-
19	05	05	1 ssc?	-	19	10	20	2 si	-	19	12	05	4 si	-	19	12	20	3 si	-
20	00	05	1 si	-	20	05	16	1 si	-	20	06	33	1 ssc	-	20	21	12	1 pt	-
21	11	45	2 b+pt	-	21	14	29	2 pt	-	21	15	19	7 b+pt	-	21	16	02	1 b+pt	-
21	18	22	9 si	-	21	18	50	1 b+pt	-	22	01	10	1 si	-	22	02	00	1 b+pt	-

TABLE 5a SOLAR-FLARE EFFECTS (S. F. E. 'S) 1960

Starting-times of solar-flare effects checked by 73 observatories. Observatories near the subsolar point are underlined. A simultaneous ionospheric or radiosolar disturbance or simultaneous chromospheric flare observed on the sun has been indicated by underlining the time. Stations near the twilight-zone are indicated by dotted brackets. Stations in full dark are given in parentheses. Stations on the night-side of the Earth which gave a negative or doubtful answer have been omitted. Stations whose checklists have not been received, but whose monthly reports have been sometimes taken into account in order to get a better knowledge of the real effect observed (Qu, Ta, Te, Bn, Lr, Bi, El, Hu, Va) are included in square-brackets. Strong effects are marked by an asterisk.

JANUARY

none

FEBRUARY

01d 12h 59m* A: Es St Wi Ni Ha Db CF Ty IK Tl Pe Ks MB (Mu) AA (Gn) Tw - B: Le Sw Vl Ma Hb Od Lg Md Eb Ci SM Mc (Hn) [Hu] Tn [Va] - C: Lo Wn Kv SJ Pa Lu Hr - D: Nu Tf Fr Ak Wk Ht SB - E: Sr - X: Cm LQ Pi Kg - (si: Gt? Fu [Ta] - b: Aq (PM) - bs: Mw).

MARCH

none

APRIL

06d 11h 32m* A: Ni Kv CF Ty IK Pe Ks MB - B: Nu Le Es Wn Wi Sw Vl Gt Cm Ha Ma Db Od Lg Aq SM Mc [Lr] Lu Hr - C: Lo Md SJ Pa Tn - D: Ir Hb Tf Tk Eb Ci Tl Fr Ak LQ Tw Kg Mw - E: AA - X: St Pi (SB) - (si: Fu [Bi]).

MAY

none

JUNE

none

JULY

none

AUGUST

06d 13h 10m A: Ks - B: Ni Vl Od IK Tl Pe AA Pa Tn Hr - C: Lo Es St Wn Wi Gt Ha Kv Ma Fu CF Hb Lg Tf Md Eb SM Tu SJ MB Lu - D: Co Nu Le Si Me Sw Cm Db Vi Ty Aq Ci Fr Ak Mc Pi Tw - (si: [Ta]).

11d 19h 26m A: Fr Sj Pi - B: SM Tu Ho Pa [Hu] LQ Tw - C: Le Vl Vi Ap - D: Me - E: Co Sr Si Es (Fu) - X: (Aq) (Am) - (si: Ha - ssc: [Te] - bp: IK).

14d 05h 17m A: Pe Mu Gu AA Hn Gn - B: Nu Ir Od Tk IK Ak Ka Ky (Mc) PM To Wk - C: Sr Le Lo Wi Gt Cm Kv Ma Db Fu CF Hb MB Aq Tf Ks Tn - D: Co Es St Sw Ni Ha Md Ap Br Am Kg MI DU Mw - E: Wn - X: Ty (Ci).

14d 13h 08m* A: Le Es St Wn Wi Ni Gt Ha Fu CF Lg Md IK Pe Ks Pa Tn - B: Nu Lo Sw Vl Cm Kv Ma Db Od Aq Eb Tl SJ MB Mc [Lr] Lu [Hu] Hr - C: Tf Ci Ak Tu LQ Tw - D: Me Tk Fr - X: Ty - (si: Hb SM [Ta] AA - ssc: Pi).

SEPTEMBER

18d 18h 26m A: Tw - B: (Od) Fr SM Tu Ho [Te] SJ Pa [Hu] LQ Pi - C: Vi - D: Co Le Si Es Me St Ci MB Ap - X: (DU).

21d 08h 28m A: Mu AA Lu Tn Gn - B: Nu Gt Db Fu Ty Od Tl Ak Hn Hr - C: Le Lo Es Wn Wi Ir Sw Cm Kv CF Hb Lg Tf Tk Md Eb Ci Pe SM - D: Ni Vl Ha Ma Mb Aq Ka Ky MB Mc Kg Wk Mw - X: St IK (Br) DU - (si: (Ho)).

TABLE 5a SOLAR-FLARE EFFECTS (S. F. E. 'S) 1960 - continued

OCTOBER

11d 11h 12m A: Es Db CF Hb Ty Lg Ci Tl - B: (Ir) Sw Vl Cm Kv Fú Od IKEb
 Pe SM [Ta] MB AA Lu (Ap) Tn LQ Pi Hr Tw - C: Nu Le St Wn Wi
 Gt Ma Aq Md Ak SJ Mc Wk - D: Lo Ni Tf Tk Ks Kg - E: Sr (Fr)
 (MI) - X: (Mu) Pa Ht - (si: Ha? Mw).

NOVEMBER

none

DECEMBER

none

TABLE 5b DOUBTFUL SOLAR-FLARE EFFECTS 1960

Starting-times of presumed solar-flare effects checked by 73 observatories. Observatories near the subsolar point are underlined. A simultaneous ionospheric or radiosolar disturbance or simultaneous chromospheric flare observed on the sun has been indicated by underlining the time. Stations near the twilight-zone are indicated by dotted brackets. Stations in full dark are given in parentheses. Stations on the night-side of the Earth which give a negative or doubtful answer have been omitted. Stations whose checking-lists have not been received, but whose monthly data have been sometimes taken into account in order to get a better knowledge of the real effects observed (Qu, Ta, Te, Bn, Lr, Bi, El, Hu, Va,) are included in square-brackets. Effects which very probably are real sfe are indicated by an asterisk.

JANUARY

- 20d 07h 23m A: Ty Od IK Pe Mu (SJ) AA Gu (Tw) - B: Nu (Le) (Vl) Tk (Fr) Ak (SM) (Pa) [Lr] [El] Tn Mw - C: Ir Sw Gt Kv Hb Md Mc Hn Lu PM SB - D: Ni Cm Aq Eb Br Am Kg Ht - E: (Sr) (St) Tf To Wk - X: (Ci) (LQ))Pi(Gn Hr MI - (si: Fd Ka Ky).
- 30d 11h 15m A: Tk Pe - B: Kv Db Fd CF Hb Ty Od IK (Mu) Mc Tn (Gn) - C: Le Lo St Wn Sw Gt Cm Ha Aq Md Ci Tl Ak SM MB Pa Lu [El] Hr Tw Wk Mw - D: Nu Es Wi Ni Vl Lg Tf Eb SJ DU Ht SB-X: Ma Ks LQ Pi Kg - (si: AA - b: [Bn] - bp: [Bi]).

FEBRUARY

- 04d 13h 12m A: AA Tw - B: Db Ty Od Ak MB (Mu) Pa (PM) [Hu] Hr - C: Wn Sw Gt Ha Kv Ma IK Eb Ci Tl Fr Pe SM Ks SJ Mc Lu Tn - D: Nu St Wi Ni Vl Cm Hb Lg Aq Tf Md Wk Mw Ht SB - E: (Sr) Le Lo Es Fd CF (Tu) - X: LQ Pi Kg.
- 10d 11h 42m A: (Mu) - B: Db CF Od Lg MB AA Pa [El] - C: Nu Le Lo Es Wn Wi Sw Gt Cm Kv Ma Fd Hb Ty Tk Md IK Ci Tl Pe Ak SM Mc Tn Hr - D: St Ni Vl Ha Aq Tf Eb SJ Lu Wk Mw SB - E: (Ka) Ks (Ky) Tw - X: LQ Pi Kg.
- 11d 10h 39m A: Od IK MB (Mu) AA - B: Le (Ir) Cm Kv Ma CF Ty Lg Tl Ak Pe Pa (Hn) (PM) Gn - C: Nu Lo Es Wn Sw Gt Ha Db Fd Hb Aq Md Eb Ci SM Ks Mc Tn Hr Tw - D: St Wi Ni Vl Tf Tk Wk DU Mw Ht SB - X: (Sr) Lu LQ Pi Kg (MI).
- 22d 13h 54m B: Tl (Mu) AA [El] Hr - C: Es Lg Eb Ci Pe SM SJ Pa Tn - D: Nu Le Lo St Wn Wi Sw Ni Gt Cm Ha Kv Ma Db Fd Hb Ty Od Aq Tf Md IK Fr Ks Tu MB Mc Lu Tw Mw - E: CF - X: LQ Pi Kg - (pt: Vl).

MARCH

- 21d 15h 27m B: Wi Ty Od IK Pe SM [Hu] - C: St Sw Kv Db Hb Aq Md Fr Tu SJ Pa Tw - D: Nu Le Lo Si Me Wn Wi Vl Gt Cm Ha Ma Vi Fd Eb Ci Tl Ks MB Mc Lu Hr - E: Es CF Lg AA - X: LQ Pi.
- 29d 09h 17m A: Es Od Ks AA - B: St Ma Db Hb Ty Lg IK Pe - C: Le Wn Wi Sw Cm Ha Kv Fd Ci Tl Ak SM MB? Mu Wk - D: Nu Ir Ni Vl Tf Tk Eb Ky Mc Lu Gn Hr Kg - E: (Sr) Lo Tn Mw - X: CF (LQ) (Pi) - (si: Gt Aq? Md? - bps: (Tu)).
- 29d 10h 47m A: St Ks Tw - B: Le Ha Kv Db Hb Ty Od Lg Tf IK Pe SM (Mu) MB Pa - C: Lo Es Wn Wi Sw Vl Gt Ma Fd Aq Tk Md Ci Ak SJ Lu - D: Nu Ir Ni Eb Mc Hr Kg - E: (Sr) Cm Tl Tn Mw - X: CF LQ Pi - (si: AA).

APRIL

- 02d 08h 36m A: Ty Pe (Gu) Mu (PM) - B: Es Ir Gt Db CF [Lr] Hr - C: Sw Ma Hb IK SM Mo - D: Ni Vl Tf Eb MB Lu - E: (Sr) Nu Le Lo (Si) St Wn Wi Cm Ha Kv (Vi) Fd Od Mb Lg Aq Tk Md Ci Tl (Fr) Ka (Tu) Ky (Pa) (Hn) Tn Kg (DU) (Tw) Mw - X: Ak (Pi) - (si: AA [Bi] (Br) (To) (Am) - b: Gn).
- 09d 10h 50m B: Ni Kv Ty Od MB (Gu) [Lr] Lu - C: Nu Le Lo Wn Wi Ir Sw Gt Ha Hb Tk IK Pe SM Mc Tn - D: Es St Vl Ma Db Fd Aq Tf Md Eb Ci Tl Fr Ak Ks SJ LQ Tw Kg Mw - E: Cm CF AA Pa Hr - X: Lg Pi

TABLE 5b DOUBTFUL SOLAR-FLARE EFFECTS 1960 - continued

(APRIL)

- 18d 09h 25m A: AA - B: Fū Od Mc - C: Lo Wn Wi Tk Md IK SM Mu Tn Hr - D: Nu Sī Ir Sw Ni V1 Gt Cm Ha Kv Ma Db Hb Lg Aq Tf Ci Tl Ak Ky MB Lu Gn Kg Mw - E: (S_r) Le Es CF (Fr) - X: Ks (Pi) - (b: Ty Eb Pe [Bn]) (Tw)).
- 22d 10h 20m* A: Od IK Ks (Mu) AA - B: Ty Tk Pe Ak MB Mc Tn Hr - C: Nu Lo Wn Ir Kv Ma Db Fū Aq Tf Md Eb SJ (Hn) Lu (Ap) (Gn) - D: Le Es St Wi Sw Ni V1 Gt Ha Hb Lg Ci Tl Kg Mw - E: CF - X: Cm Pa (Br) (Pi) - (si: (Tw) - bs: [Bn] - pt: SM).

MAY

- 04d 10h 13m B: Wn IK Tl Ak Tn Hr - C: Le Db Lg Md SM Mc - D: Nu Lo Es St Wi Ir Sw Ni V1 Gt Cm Ha Kv Ma Fū Hb Ty Od Aq Tf Ci Pe SJ MB Mu AA Lu Kg - E: CF - X: Pa (Pi) (Am) - (b: Eb Ks? [Qu] [Ta]).
- 13d 05h 18m A: Ky - B: Od Mb Tk Eb Ka PM - C: Le Wn Sw Db Hb Ty IK Tn - D: Sr Lo Es St Ni V1 Gt Cm Ha Ma Lg Aq Tf Md Tl Ak Ks Gu Hn Br To Am Kg MI - E: Co Nu Wi Fū CF AA Wk Mw - X: Kv (Pi) - (b: Pe? Mu Gn - bp: Ir (Lu) - pt: (LQ)).
- 26d 09h 14m B: Le Db Od AA [Lr] - C: Nu Lo Es St Wn Wi Ir Sw Gt Hb Tf Tk IK Tl Pe AK SM Ks Mc Lu - D: Sr Ni V1 Cm Ha Ma Fū Ty Mb Lg Aq Eb Ci Ka Ky MB Mu Tn Gn Kg - E: Kv CF Md (Fr) Hr (Mw) - X: (Pi).

JUNE

- 02d 09h 00m A: Ty Ks Mu - B: Od Lg Tk IK Pe Ak SM (Gu) (Pa) [Lr] (Hn) (PM) Gn Hr - C: Nu Ir Cm Kv Ma Fū Hb Aq Tf Md Mc Lu Tn - D: Sr Le Lo Es St Wn Wi Sw Ni V1 Gt Ha Db CF Mb Ci Tl Ka Ky Kg - E: MB - X: Eb - (si: AA).
- 02d 09h 36m* A: Ty Od Pe Ks Mu - B: Ir V1 Kv Tk MD IK AK MB (Gu) (Pa) Mc [Lr] (Hn) (PM) (Ap) (Gn) Hr (Am) - C: Es Wn Wi Sw Gt Cm Ma Db Fū CF Hb Aq Tf Eb Tl SM Lu Tn - D: Sr Nu Le Lo St Ni Ha Mb Lg Ci Ka Ky Kg - (si: AA).
- 15d 02h 52m* A: Gu - B: (Ma) Tk IK Hn PM - C: Nu Kv Od Mb Ak Ka Ky - D: Co Sr Le Lo Si Me Ir Sw Vi Tf Ks Ho Ap Gn To Am MI Du - X: (Ci) Br (Tw) (Ht) - (si: Mu - bp: (Hr?)).
- 19d 13h 32m A: Ni Gt Pe - B: Db CF Od Lg IK Ci Tl MB [Hu] - C: Le Es Wn Wi Sw Ha Kv Ma Fū Ty Eb SM Pa Hr - D: Co Nu Si Me St V1 Cm Vi Hb Tf Tk Ak Tl SJ AA Mc Lu Tn LQ PI Tw - E: Lo Aq Md Ks - X: Fr.
- 20d 01h 28m* A: Gu Gn - B: (Wn) (SM) (AA) Hn PM Ap - C: Ir Vi Mb Ka Tu Ky - D: Sr Nu Si Me Ak Ho Br To Am MI - E: Co (Mw) - X: (Ty) (Ci) - (si: Mu - ssc: Tk).
- 26d 04h 30m* B: Ir Ak Mu Gu (SB) - C: Sw Gt Hb Mb Ka Ky AA PM Gn - D: Co Si Es St Ni V1 Ha Ma Aq Tf IK Ks Ho Ap To Kg MI - E: Sr Nu Le Lo Wn Wi Cm Kv Db (Vi) Fū CF (Lg) Tk Md (Fr) Pe (Tu) (SJ) (Pa) Hn Br (Hr) Wk (Mw) - X: Ty (Ci) Tn Am - (pg: Od).

JULY

- 11d 09h 39m* A: Ks Mu AA Mc Tn - B: Es Fū CF Od Tk IK AK SM MB (Gu) Pa [Lr] (Hn) Lu (Gn) Kg (Wk) - C: Le Lo I Sw Gt Cm Kv Ma Hb Ty Tf Md Ci Tl Hr - D: Sr Nu St Wi Ni Ha Db Mb Lg Aq Eb Ka Ky - E: Wn (Fr) (TU) - X: V1 (LQ) - (si: (Tw) - b: Pe (Am) - bs: (Te)) - bps: (PM)).
- 18d 11h 01m A: Od (Mu) - B: Ir V1 Db Ty Tf IK Pe Ak Mc - C: Nu Le Es Sw Gt Cm Ha Kv CF Hb Tl SM Ks MB AA Pa Tn - D: St Wi Ni Lg Eb Ci Fr SJ Lu Kg - E: Lo (Si) Wn Ma Fū (Mb) Ag Tk MD (Ka) (Ty) (Ky) Hr - X: (LQ) (Ht).
- 20d 07h 14m* A: Od Ks AA Gn - B+ Es St Ir Sw V1 Db Hb Lg Tk Md IK Tl Ak Mu (Pa) Mc Tn Hr (Tw) - C: Le Wi Gt Cm Kv Ma Fū CF Ty Aq Tf Eb Ci Pe MB PM - D: Sr Nu Lo Ni Ha Mb Ka Ky Gu Hn To Kg - E: Wn Mw - X: Lu - (si: SM).

TABLE 5b DOUBTFUL SOLAR-FLARE EFFECTS 1960 - continued

(JULY)

- 21d 07h 06m B: Nu Le Es Wi Vl Db FÜ CF Od Lg SM Mu AA (Pa) - C: Lo Wn Ir Sw Gt Cm Ha Kv Ma Hb Md IK Ci Tl Pe Ks Hn PM Tn Hr - D: Sr Ni Mb Aq Tf Tk Eb Ak Ka Ky MB Gu Mc Lu Gn To Kg-X: St Ty - (si: Mw - pt: (Am)).
- 22d 07h 44m A: Ks AA - B: Nu Es Ir Db Od Lg Mu Hr - C: Le Lo Wi Sw Gt Ha Kv Ma FÜ Hb Ty Tf Tk IK Pe SM Hn Lu PM - D: Sr Ni Vl CM Mb Aq Md Eb Ci Tl Ak Ka Ky MB Gu Mc Tn Gn Kg Mw - E: Wn - X: St CF (LQ).

AUGUST

- 01d 10h 15m A: Lg - B: Nu Le Es Wi Ir Vl CF Hb Ty Od Pe SM AA ([Te]) - C: Wn Sw Gt Ha Ma IK Mu Pa Lu Hr - D: St Ni Tf Tk Eb Tl Ak MB Mc Tn Kg - E: Sr Lo Kv Db FÜ Ag Md Ci Fr Ks (Tu) SJ (Mw) - X: Cm (LQ) - (b: (Am) - bp: (DU)).
- 05d 14h 29m A: Es Ty - B: Co (Sr) Nu Le St Vl Ha Db FÜ CF Hb Od Lg IK Tl Lu [Hu] LQ Pi Tw - C: Lo Si Wi Sw Gt Cm Kv Ma Vi Eb Ci Fr Pe SM Tu SJ AA Pa - D: Me Ni Aq Tf Tk Md Ak MB Mc Hr - (si: Wn).
- 06d 15h 11m* A: Tl - B: Wi Ni Vl Gt Db FÜ Od Lg Eb Ci AA Pa Hr - C: Le Es St Wn Cm Ha Ma Hb Ty Aq Md IK Pe Tu SJ Lu LQ Pi Tw - D: Co Nu Lo Si Me Sw Kv Vi Tf Fr Ak Ks MB Mc - E: CF - (si: SM).
- 13d 11h 33m A: Ty Od IK Pe - B: Wi Gt Kv Db FÜ Hb (Gu) AA (Ap) - C: Le Wn Ir Sw Cm Ma CF Tf Tk Eb Tl Fr Ak SM Ks SJ Mc Lu LQ Hr - D: Es St Ni Vl Lg Ci MB Tn Kg - E: Lo - (b: (Am) - bp: Nu Md - pt: Ha Ag Pi).
- 21d 13h 01m A: CF Pe Ks Tw - B: Nu Vl Gt Ma Db FÜ Ty Od Tl SM MB (Mu) [Hu] (Ap) (SB) - C: Le Wn Sw Cm Ha Kv Hb Md IK SJ Pa Mc Tn LQ Pi - D: Me Ni Tf Eb Ak - E: Lo Es St Wi (Mb) Lg Aq Tk Ci Fr (Ka) Tu (Ky) Hr - X: Lu - (si: AA - b: (Am)).

SEPTEMBER

- 15d 10h 11m* A: Od IK Ks - B: Ir Vl Db Eb (Mu) (Gu) Mc Tn Gn (Am) - C: Nu Le Lo Wn Wi Sw Gt Cm Kv Ma FÜ CF Hb Lg Aq Tf Tk Tl Pe Ak SM Pa Hr Wk Mw - D: Es St Ni Ha Ty Md Ci MB Lu Kg - X: (LQ) (Pi) - (si: AA).
- 25d 01h 04m* A: Ty IK Ks - B: Kv FÜ Hb Od Lg SM (Mu) Lu (Ap) Tn - C: Nu Lo Wi Ir Gt Cm Ma Db Aq Tf Tk Md Tl Pe Ak AA Pa Mc Gn - D: Le Es St Wn Sw Ni Vl Ha CF Eb Ci MB Hr Kg Wk Mw - X: (Br).
- 26d 05h 24m A: (SM) Ks Mu AA Ap Tn Gn Am (Tw) - B: Ir Od (Lg) Tk Gu (Pa) [Lt] Hn SB - C: Sw Gt Kv FÜ Hb Tf IK Pe Ak Lu PM - D: Nu Lo Ni Cm Ty Mb Aq Md Ka Ky Br Hr To Kg MI Wk DU Mw Ht - E: Wn (CF) (SJ).

OCTOBER

- 11d 14h 06m A: St Db FÜ CF Tl Pe - B: Nu (Ir) Vl Ma Ty Od Lg Md IK Si SM [Te] Pa Pi Tw - C: Le Lo Es Sw Ha Gt Kv Hb Aq Tf Eb Tu SJ MB AA Mc LQ Hr - D: Ni Ks Lu Tn - E: (Sr) Wi CM Fr (MI) - X: (Mu) (Ht) - (b: Wn (Gn)).
- 14d 10h 15m A: (Mu) AA Tn - B: (Si) Wi Ir Kv Db FÜ Ty Od Lg IK Tl Ak SM (Gu) Pa (Hn) Mc (Ap) Gn (Am) - C: Le Lo Es St Wn Sw Vl CF Hb Tf Tk Md Es Ci Ks Lu Hr Tw - D: Ni Gt Cm Ha Ma Aq MB LQ Kg Wk Mw SB - E: Nu - X: Pe Pi.

NOVEMBER

- 08d 06h 42m A: Od Mu Gn - B: Ir Kv FÜ Tf IK Ak [Qu] (Pa) Hn (Ap) Tn (LQ) Am Wk DU - C: Sw Pe Ks AA Mc PM Br Hn - D: Nu Ni Cm Hb Ty Aq Tk Md To Kg MI Mw Ht SB - X: (Ci) Lu (Pi) - (si: Mb Ka Ky (Tw)).
- 08d 11h 05m A: Gt Db FÜ CF Ty Od Md IK Tl (Mu) (Am) Tw SB - B: Nu Le Lo Es St Wi (Ir) Sw Vl Kv Hb Lg Tf Tk Ci Pe Ak SM AA (Gu) Pa

TABLE 5b DOUBTFUL SOLAR-FLARE EFFECTS 1960 - continued

(NOVEMBER)

(Hn) Mc (Ap) Tn LQ (Gn) Hr - C: Wn Cm Ha Ma Aq Eb Ks SJ Lu
 - D: Ni MB Kg Wk DU Mw Ht - X: Pi - (b: [Bi]).

12d 13h 25m

A: Ni Gt Cm Ha Ty Aq IK MB AA Hr - B: Es Wi Sw Db Od Eb(Ak)
 Pa - C: Le Lo St Wn Kv Hb Ci Ks Mc - D: Nu Tf Kg Wk Mw Ht
 SB - E: CF - X: (Hn) (PM) - (si: Ma Md - bs: Vl - ssc: (Ir) Fū Lg
 Tl Fr Pe SM (Ho) SJ Lu Tn LQ Pi Tw (DU)).

15d 02h 21m*

A: CF Mb Ka Ky Ho Mu Gu Hn PM Ap Tn Gn Am Ht Sb - B: (Sw)
 (Ma) (Db) (Ty) (Lg) (Aq) (Pe) (Ak) (SM) (Hr) To (Tw) - D: Kg - E:
 (Co) Sr (Lo) (Es) (Wi) (Cm) (Kv) (Md) (Tl) (Fr) (Tu) MI DU-X: (Vi)
 (Ci) - (si: Ir? (Od) (AA) Br Mw - b: (Wn) (Ha) (Fū?) (IK) (Eb)-ssc:
 Wk).

DECEMBER

none

TABLE 5c REJECTED SOLAR-FLARE EFFECTS 1960

Starting-times of presumed cases, presented by one or more observatories, which most probably do not represent real solar-flare effects.

JANUARY

06d 18h 59m - 12d 12h 59m - 31d 10h 43m -

FEBRUARY

01d 07h 08m - 01d 08h 55m - 03d 12h 30m -

MARCH

06d 10h 01m - 29d 15h 06m -

APRIL

02d 18h 19m - 05d 16h 01m -

MAY

11d 19h 30m - 25d 15h 43m -

JUNE

10d 11h 27m - 25d 10h 24m - 26d 13h 58m - 27d 11h 48m - 27d 18h 40m -
28d 18h 38m -

JULY

07d 17h 45m - 08d 14h 30m - 23d 18h 04m - 25d 14h 18m - 26d 17h 09m -
27d 14h 11m -

AUGUST

16d 11h 44m - 21d 15h 47m - 25d 14h 26m - 26d 12h 29m - 26d 14h 24m -

SEPTEMBER

02d 02h 39m - 22d 17h 03m - 29d 14h 48m -

OCTOBER

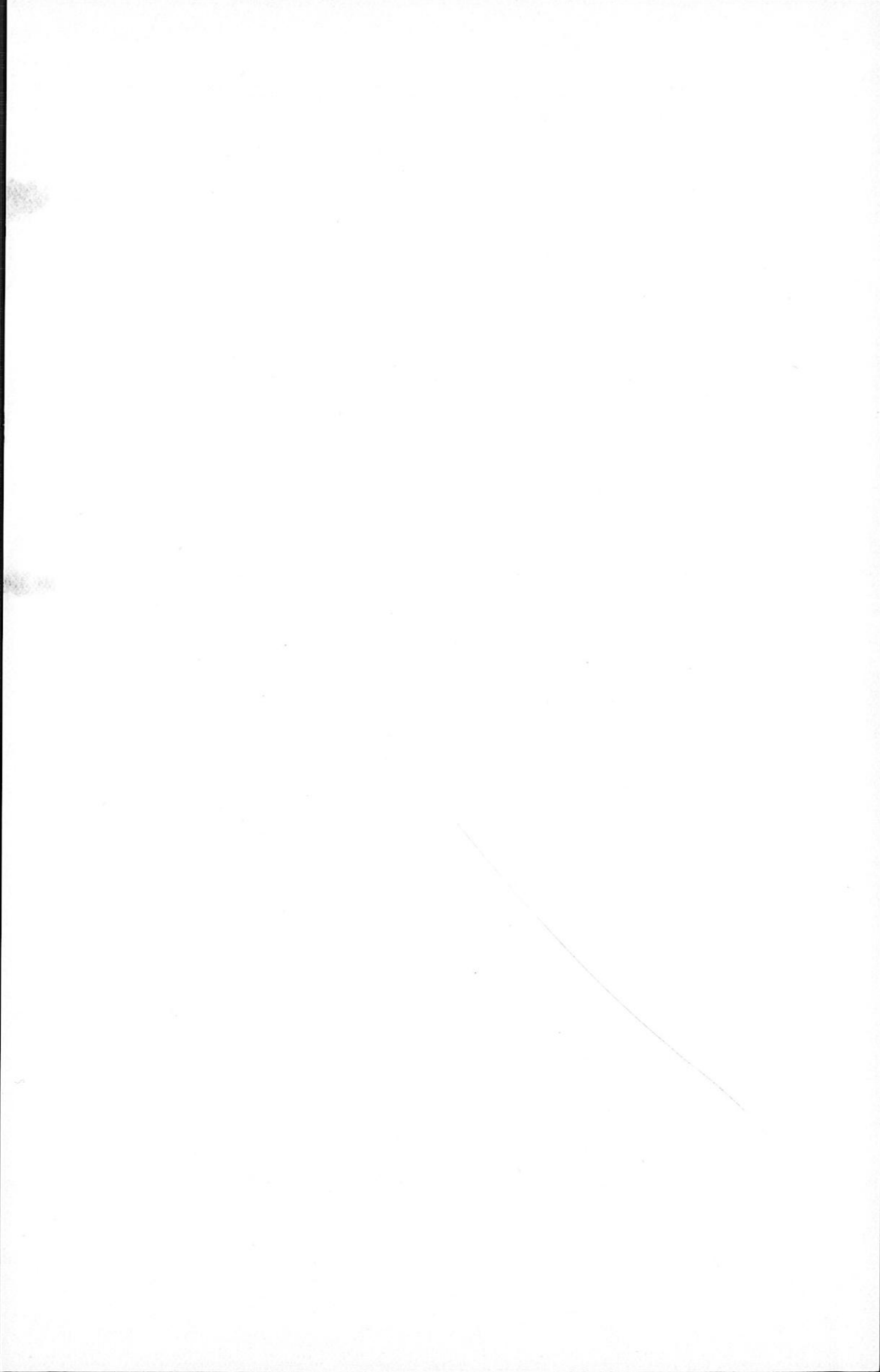
23d 17h 25m - 29d 10h 24m -

NOVEMBER

10d 10h 17m - 22d 17h 22m -

DECEMBER

06d 11h 54m - 17d 23h 27m - 19d 12h 57m - 24d 16h 19m





No. 16a Paléomagnétisme et Variation Séculaire, Toronto 1957.	„ 1.50
No. 16b. Aéronomie, Toronto 1957	„ 4.50
No. 16c Rapid Magnetic Variations, Utrecht 1959	„ 3.00
No. 17 Transactions of the Helsinki Meeting , 1960 . . . (In preparation)	
No. 18 Geomagnetic Planetary Indices Kp, Ap and Cp, 1932 to 1961	„ 3.00

Photographic Atlas of Auroral Forms and Scheme for
 Visual Observations, 1930; second edition, 1951 . Out of print

Supplements to the Photographic Atlas of Auroral Forms, I, 1932 Out of print

Caractère Magnétique Numérique des Jours (from 1 January 1930
 to 31 December 1939) and Caractère Magnétique
 Numérique des Jours pendant l'Année Polaire 1932-
 1933 (in complete sets only) \$ 5.60

These publications can be obtained from the IUGG Publication Office,
 39 ter, rue Gay-Lussac, Paris (V).

PUBLICATIONS

by the
INTERNATIONAL ASSOCIATION OF
GEOMAGNETISM AND AERONOMY

No. 1	Organization, Minutes, and Proceedings of the Brussels Meeting, 1919	Out of print
No. 2	General Report of the Rome Meeting, 1922	Out of print
No. 3	Transactions of the Rome Meeting, 1922	\$ 2.00
No. 4	General Report of the Madrid Meeting, 1924	Out of print
No. 5	Transactions of the Madrid Meeting, 1924	\$ 2.00
No. 6	Preliminary Reports on Subjects of Investigation, 1926	Out of print
No. 7	Comptes Rendus de l'Assemblée de Prague, 1927	Out of print
No. 8	Comptes Rendus de l'Assemblée de Stockholm, 1930	\$ 3.65
No. 9	Comptes Rendus de l'Assemblée de Lisbonne, 1933	" 2.80
No. 10	Transactions of the Edinburgh Meeting, 1936	" 3.50
No. 11	Transactions of the Washington Meeting, 1939	" 3.50
No. 12	Geomagnetic Indices, C and K, 1940-1946	" 3.00
No. 12a	Geomagnetic Indices, K and C, 1947	" 1.00
No. 12b	Geomagnetic Indices, K and C, 1948	Out of print
No. 12c	Geomagnetic Indices, K and C, 1949	\$ 1.50
No. 12d	Geomagnetic K-Indices, International Polar Year, August 1932 to 1933	" 1.50
No. 12e	Geomagnetic Indices, K and C, 1950	" 1.75
No. 12f	Geomagnetic Indices, K and C, 1951	" 1.75
No. 12g	Geomagnetic Indices, K and C, 1952	" 1.75
No. 12h	Geomagnetic Indices, K and C, 1953	" 1.75
No. 12i	Geomagnetic Indices, K and C, 1954	" 1.75
No. 12j	Geomagnetic Indices, K and C, 1955	" 1.75
No. 12k	Geomagnetic Indices, K and C, 1956	" 2.25
No. 12l	Geomagnetic Data, 1957, Indices K and C, Rapid Variations	" 3.00
No. 12m1	Geomagnetic Data, 1958, Indices K and C	" 2.00
No. 12m2	Geomagnetic Data, 1958, Rapid Variations	" 2.00
No. 12n1	Geomagnetic Data, 1959, Indices K and C	" 2.00
No. 12n2	Geomagnetic Data, 1959, Rapid Variations	" 2.00
No. 12o1	Geomagnetic Data, 1960, Indices K and C	" 2.00
No. 12o2	Geomagnetic Data, 1960, Rapid Variations	" 2.00
No. 12p1	Geomagnetic Data, 1961, Indices K and C	" 2.00
No. 13	Transactions of the Oslo Meeting, 1948	" 3.50
No. 14	Transactions of the Brussels Meeting, 1951	" 3.50
No. 15	Transactions of the Rome Meeting, 1954	" 3.50
No. 15a	Le Noyau Terrestre, Rome 1954	" 1.00
No. 15b	Problemes de la Physique de la haute atmosphère, 1954	" 4.00
No. 16	Transactions of the Toronto Meeting, 1957	" 4.00

Continued inside back cover.