

I A G A Bulletin No. 12 q2

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

ASSOCIATION OF GEOMAGNETISM AND AERONOMY

GEOMAGNETIC DATA 1962

RAPID VARIATIONS

by

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

Published for the International Council of Scientific Unions with the
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GEOMAGNETIC DATA 1962

RAPID VARIATIONS

Introduction

List of observatories. The list of observatories has been taken from bulletin No 12 r1 (Geomagnetic Data 1963, Indices K and C).

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 1a is a list of sudden commencements followed by a magnetic storm or by an increase in activity lasting at least one hour (ssc) and checked by 67 observatories. 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 a very remarkable ssc; - B) when it is a fair, ordinary, but unmistakable ssc; - C) when it is a very poor or 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. The checking observatories were: So Co Sr Do Le Si Kn Es St Wn Ir Sw Ni Vl Gt Cm Kv Ma Db Pr Vi Fü CF Hb Mb Lg ^{Aq} Tf Tk IK Eb Ci Tl Fr Ak SM SF Ka TI Ks Ss Tu Ky Qu Ho Te SJ MB Mu Gu AA Mc PM Ap Tn Va Gn Hr To Am Kg MI Wk DU Mw Ht SB.

Table 1b is a list of sudden commencements (ssc) originally given by an insufficient number of observatories to be included in the checking-lists and consequently not checked by other observatories; reports arrived after the sending of the checking-lists have been included. The remarks are the same as for the Table 1a.

Table 2a is a list of commencements of bays or pulsational disturbances associated with bays. In accordance with the circular-letter of the 7th January 1964 these disturbances were not checked and therefore the list is only based upon the monthly data. The times at the left-hand side of the table are mean times and in brackets are included the extreme values attributed by some observatories to the beginning of the phenomenon. The observatories are distributed into groups after the particular

classification (b, bs, bp, etc.) which they have attributed to the phenomenon in accordance with the definition given by the Copenhagen Meeting and under this classification they are also distributed in the same groups as in Table 1a. 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, 2c, 3a, and 3b.

Table 2b gives summary of pulsational disturbances (pt) not associated with bays. These phenomena were not checked and the list is based only upon the monthly data.

Table 2c is a list of giant pulsations checked by 67 observatories, the same as for the ssc's.

Table 3a gives a summary of sudden magnetic changes or impulsas (si) which could not be classified as ssc, b, bp, etc.; they have been checked by 67 observatories, the same as for the ssc's.

Table 3b gives a summary of si's that were not checked, by the same reason as for the ssc's of the table 1b.

Table 4 is a list of minor disturbances reported by one observatory only.

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 65 observatories, the same as for the ssc's except Cm SF. Stations on the daylight hemisphere have been written behind indicated times and distributed in the same groups in Table 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 a 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 in 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 of their geographic position could not be probably a bay coexisting in the night-side of the Earth with a sfe in the light-side. Nevertheless, it is very probable that several cases 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 a doubtful effect or a disturbance which did not agree with an increase of the normal daily variation.

Committee on Characterization of Magnetic Disturbances

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Committee on Rapid Magnetic Variations and Earth Currents

A. Romaña, S. J., Chairman
Observatoria del Ebro
Tortosa, Spain

LIST OF OBSERVATORIES 1962

Arranged according to geographic latitude

Observatory	Collaborator	Geographic		Geomagnetic	
		Lat.	Long.	Lat.	Long.
NP7	North Pole 7	USSR	+86° -'	250° -'	-° -'
NP6	North Pole 6	USSR	+83 -	130 -	- -
NP8	North Pole 8	USSR	- -	- -	- -
BT	Bay Tikhaya (Cheisa)	Bykov	+80 20	52 48	+71.5 153.3
CC	Cape Chelyuskin	A. I. Slonimskia	+77 43	104 17	+65.9 176.5
Th	Thule	J. Olsen	+77 29	290 50	+89.0 358.0
RB	Resolute Bay	R. G. Madill	+74 41	265 10	+83.0 289.6
B4	Bear Island		+74 31	19 01	+71.1 124.0
Di	Dickson	Panov	+73 33	80 34	+63.0 161.6
MS	Matoshkin Shar	N. D. Medvedev	+73 16	56 24	+64.8 146.5
Ti	Tiksy	Melgunov	+71 35	129 00	+60.4 191.4
PB	Point Barrow	R. Z. Barela	+71 18	203 14	+68.5 241.1
Tr	Tromsø	E. Tόnsberg	+69 40	18 57	+67.2 116.8
Go	Godhavn	J. Olsen	+69 14	306 29	+79.9 32.5
Mn	Murmansk		+68 15	33 05	+63.5 126.2
Ki	Kiruna	N. Ambolt	+67 50	20 25	+65.3 115.8
So	Sodankylä	E. Kataja	+67 22	26 38	+63.8 120.0
We	Wellen	Andriunina	+66 10	190 10	+61.8 237.1
Co	College	C. J. Beers	+64 52	212 10	+64.6 256.5
BL	Baker Lake	R. G. Madill	+64 20	263 58	+73.8 315.2
Sr	Sredniankan	D. S. Sionimsky	+62 26	152 19	+53.2 210.6
YK	Yellow Knive		+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	+57.8 112.6
Le	Lerwick	L. Jacobs	+60 08	358 49	+62.5 88.6
Ln	Leningrad	E. P. Gluschkova	+59 57	30 42	+56.2 117.4
Lo	Lovö	F. Eleman	+59 21	17 50	+58.1 105.8
Si	Sitka	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	+45.9 159.6
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 28	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 34	+61.8 301.0
Hl	Helu	W. Czyszek	+54 36	18 48	+53.5 103.7
Mn	Minsk		+54 04	27 08	+50.6 113.8
St	Stonyhurst	J. E. Worthy S. J.	+53 51	357 32	+56.9 82.7
Wn	Wingst	O. Meyer	+53 44	9 04	+54.5 94.2
Wi	Witteveen	D. van Sabben	+52 49	6 40	+54.2 91.0
Ir	Irkutsk	V. M. Mischin	+52 10	104 27	+41.0 176.9
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 15	+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	B. R. Leaton	+51 00	355 31	+54.6 79.0
Kv	Kiev		+50 43	30 18	+47.3 112.2

LIST OF OBSERVATORIES 1962 - continued

Arranged according to geographic latitude

	Observatory	Collaborator	Geographic		Geomagnetic	
			Lat.	Long.	Lat.	Long.
Ma	Manhay	L. Koenigsfeld	+50° 18'	5° 41'	+52.0°	88.8°
Db	Dourbes	A. de Vuyst	+50 06	4 36	+51.7	88.7
Pr	Pruhonice	J. Bouska	+49 59	14 33	+49.9	97.3
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 31	236 35	+54.3	292.7
Fü	Fürstenfeldbruck	K. Wienert	+48 10	11 17	+48.9	92.4
CF	Chambon-la-Forêt	A. Blum	+48 01	2 16	+50.4	83.9
Hb	Hubranovo	Anton Tlclik	+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	+43.6	100.9
Mb	Memambetsu	Y. Tamura	+43 55	144 12	+34.0	208.4
Ag	Agincourt	A. A. Onhauser	+43 47	280 44	+55.0	347.0
Wl	Wladiwostok	M. S. Lasarev	+43 41	132 10	+33.0	198.0
Lg	Logrono	T. Miguel Lafuente	+42 27	357 30	+46.1	77.0
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	+32.4	143.7
Md	Maddalena	M. Giorgi	+41 13	9 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. Seiça 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		+28 36	141 28	+28.4	206.7
Fr	Fredericksburg	R. E. Gebhardt	+38 12	262 38	+49.6	349.8
Pe	Pendeli	A. Stavrou	+38 03	23 52	+36.2	102.0
Gi	Gibilmann	M. Georgi	+37 59	14 01	+38.5	92.2
Ak	Ashkabad		+37 57	58 06	+30.5	133.4
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
Tl	Teheran Iran	H. K. Afshar	+35 44	51 23	+29.3	126.4
Ks	Ksara	J. Delpeut S. J.	+33 50	35 54	+30.4	112.0
Ss	Simasato		+33 35	135 56	+23.0	202.4
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	130 53	+20.5	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 19	202 00	+21.1	266.5
Te	Teoloyucan	C. Cañón Amaro	+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	Hans G. Barsczus	+14 24	343 03	+21.3	55.0

LIST OF OBSERVATORIES 1962 - continued

Arranged according to geographic latitude

	Observatory	Collaborator	Geographic		Geomagnetic	
			Lat.	Long.	Lat.	Long.
Mu	Muntinlupa	Cayetano Palma	+14° 22'	121° 01'	+ 3.0°	189.7°
Gu	Guam	D. D. Newman	+13 35	144 52	+ 4.0	212.9
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 49	304 47	+17.0	14.5
Fq	Fuquene	C. Garavito	+05 28	286 16	+16.9	355.1
Ba	Banqui	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	Tatucca	L. I. Gama	-01 12	311 29	+ 9.6	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				
Lu	Luanda	A. Fatah	-06 02	106 44	-17.5	175.5
PM	Port Moresbey	V. S. Moreira	-08 55	13 10	- 7.2	80.5
El	Elisabethville	J. A. Brooks	-09 24	147 09	-18.6	218.0
Hu	Huancayo	(P. Herrinck	-11 39	27 28	-12.7	94.1
Da	Darwin	(A. Kiela				
Ap	Apia	A. A. Giesecke Jr	-12 02	284 41	- 0.6	353.8
Tn	Tananarive	L. S. Prior	-12 20	131 00	-22.0	201.3
Mr	Mauritius	A. L. Cullington	-13 48	188 14	-16.0	260.2
LQ	La Quiaca	M. Burgaud S. J.	-18 55	47 33	-23.1	112.1
Va	Vassouras	E. G. Davy	-20 06	57 33	-26.6	122.4
Br	Brisbane	R. P. J. Hernández	-22 06	294 24	-10.6	3.2
Wa	Watheroo	L. I. Gama	-22 24	316 21	-11.9	23.9
Pi	Pilar	R. F. Thyer	-27 32	152 55	-35.8	226.9
Gn	Gnangara	P. M. Mc Gregor	-30 19	115 53	-41.8	185.6
Hr	Hermanus	R. P. J. Hernández	-31 40	296 07	-20.2	4.0
To	Toolangi	A. M. van Wijk	-31 47	115 57	-43.2	185.8
Am	Amberley	R. F. Thyer	-34 25	19 14	-33.7	81.7
Tw	Trelew	A. L. Cullington	-37 32	145 28	-46.7	220.8
Kg	Kerguelen	(O. A. Pellicioli	-43 09	172 43	-47.7	252.5
MI	Macquarie Island	(R. González	-43 15	294 41	-31.7	3.2
Ar	Argentine Island	R. Schlich	-49 21	70 12	-56.5	127.8
Oa	Oasis	R. F. Thyer	-54 30	158 57	-60.7	243.0
Wk	Wilkes	C. N. Horton	-65 15	295 44	-53.8	3.3
Mi	Mirny	L. S. Prior	-66 06	92 09	-77.4	160.8
DU	Dumont d'Urville		-66 15	110 35	-77.2	179.2
Mw	Mawson		-66 33	93 00	-77.0	145.6
Ct	Charcot	R. Schlich	-66 40	140 01	-75.6	230.9
Po	Pionerskaya	R. F. Thyer	-67 36	62 53	-73.2	103.1
La	Lazarevskaya		-69 23	139 01	-78.3	234.5
Ht	Hallett		-69 44	95 30	-80.3	146.5
HB	Halley Bay	J. C. Farman	-70 46	11 49		
SB	Scott Base	A. L. Cullington	-72 19	170 13	-74.7	278.2
LA	Little America	J. J. Gniewek	-75 31	333 24	-65.8	24.3
Vo	Vostok		-77 51	166 47	-79.0	294.4
By	Byrd Island	L. E. Davis	-78 11	197 50	-74.0	312.0
SP	South Pole		-78 27	106 52	-89.2	92.6
		W. Jacobs	-80 01	240 29	-70.6	336.3
			-90		-78.5	0.0

LIST OF OBSERVATORIES 1962 - 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	2500	
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				550	
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	
Mn				550	
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				350	

LIST OF OBSERVATORIES 1962 - continued

	Scale of Values			Lower Limit K = 9 γ	Ranges for C = 1
	D γ/mm	H γ/mm	Z γ/mm		
Ma	5.2	1.5	3.9	500	D: 4' - 12'; H: 15 - 45; Z: 7 - 21
Db	5.3	3.9	3.8	500	D: 4' - 12'; H: 14 - 45 γ ; Z: 7 - 21 γ
Pr	3.0	4.5	5.0	500	
Lw	4.0	1.7	2.8	550	
Bu	.1.3				
Vi	2.7	2.4	3.3	500	
Fü	2.9	2.8	2.7	500	17 < K < 29
CF	5.7	5.9	2.8	500	No fixed range
Hb	7.5	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				350	
Mb	3.4	2.3	4.0	350	
Ag	4.0	5.1	6.1	600	12 - 150 γ
Wl	2.9	1.9	4.1	300	
Lg	6.0	3.7	5.0	350	15 K 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 - 55 γ
Ci	7.7	4.0	5.0	350	C from Cs
Tl	2.8	2.8	2.8	350	D: 2' - 8'; H: 10 - 60 γ ; Z: 10 - 50 γ
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				300	
SM	9.7	4.0	4.5	350	No fixed range
SF	5.3	2.7	---	350	10 - 30 γ
Ka	6.2	2.8	3.5	300	No fixed range
TI	2.6	2.3	2.8	300	
Ks	8.8	6.0	5.0	300	15 - 45 γ
Ss	6.4	2.4	6.4	300	
As				300	
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 - 30 γ
Ml	3.9	2.4	2.2	300	
Ta	9.0	4.4	2.8	300	20 à 60 γ
Ho	8.4	2.6	3.7	300	Sum K: 22 - 38
Te	8.7	3.3	5.7	300	Lower limit: Sum = 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	

LIST OF OBSERVATORIES 1962 - continued

	Scale Values			Lower Limit K = 9 γ	Ranges for C = 1
	D γ/mm	H γ/mm	Z γ/mm		
Mu	---	---	---	300	
Gu	5.2	2.7	3.7	300	
AA				300	
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	300	19 - 43 γ
Bn	7.7	2.0	2.6	300	
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	3.2	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	500	
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	3.3	3.0	2.9	300	
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	7.8	6.0	2.4	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	7.5	8.3	8.1	1800	
Mw	4.5	9.9	10.1	1500	
Ct	---	---	14.3	1500	
Po	10.6	12.1	14.9	2000	
La				1500	
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				2000	
By	26	24	25	2500	
SP	16.8	27.7	26	2000	

LIST OF OBSERVATORIES 1962 - 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	Normal sens. + quick run
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	
Mn	
St	Normal sens
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, low sens. + quick run
Kv	Normal sens. + quick run
	Nurmijärvi Ionospheric Station Cable and wireless Ltd; Sol. Obs. Greenwich, Edinburgh
	Transradio Española, Alcobendas (Madrid)
	Cable and wireless Ltd; Sol. Obs. Greenwich, Edinburgh
	Inst. für Ion.-forschung, Lindau Sol. Obs.: Fraunhofer Inst., Freiburg Nederhorst Den Berg Radio (Nera)
	Zentralobs. Potsdam; Sol. Obs. Astrophysical. Obs., Potsdam Dunsink Astronomical Observatory, Dublin
	Ion. Station Colim Observatory Cable and Wireless Ltd; Sol. Obs. Royal Greenwich Obs., Herstmonceux

LIST OF OBSERVATORIES 1962 - continued

Instruments		Ionospheric Stations or Radio Services
Ma	Normal sens. + quick run + fluxm. for H	
Db	Normal sens. + quick run	Ion. Station Dourbes
Pr	Normal sens.	Ion. Station Pruhonice; Astrophysical Obs. (Ondrejov)
Lw		
Bu	Quick run for H	
Vi	Normal sens.	
Fü	Normal sens. + high sens.	Inst. für Ion.-forschung, Lindau
CF	Normal sens. + quick run	C. N. E. T. Sol. Obs. : Obs. d'Astrophysique, Meudon
Hb	Normal sens.	
Na	Normal sens.	
Sa		
Ty		
Od		
Su	Normal sens.	
Gc		
Mb	Normal sens. + high sens.	Astrophys. Obs. Arcetri (Firenze)
Ag	Normal sens. and low sens.	No
Wl		
Lg		
Aq		
Tf		
Tk		
Md		
IK	Normal sens.	
Eb	Normal sens. + quick run	Ion. Stat. Ebro; earth-currents; Transradio Española, Alcobendas (Madrid)
Ci	Normal sens.	
Tl	Normal sens. + quick run	
On		
Fr	Normal, low sens. + quick run	
Pe	Normal sens.	
Gi	Normal sens.	
Ak	Normal sens. + quick run	
SM	Normal sens. + quick run	
SF	Normal sens.	
Ka	Normal sens. + high sens. for D	
TI		
Ks	Normal sens.	
Ss		
As		
Tu	Normal sens. + quick run	
Ky	Normal sens. + high sens.	
Qu	Normal sens. + quick run	
He	Normal sens.	
Ml	Normal sens.	
Ta	Normal sens. + $dH/dt, dD/dt$, quick run	
Ho	Normal sens. + quick run	Boulder Observatory, Colorado
Te	Normal sens.	All India Radio, New Delhi; Radio Ceylon
A1	Normal sens. + quick run	Colombo; Sol. Obs.: Sol. Phys. Obs., Kodiakanal
SJ	Normal sens.	
MB	Normal sens. + quick run	Station Ionosphérique Dakar-Cambarene

LIST OF OBSERVATORIES 1962 - continued

	Instruments	Ionospheric Stations or Radio Services
Mu		Manilla Observatory, Baquio City
Gu	Normal sens. + quick run	
AA	Normal sens. + quick run + fluxm. for D, H	
Kr	Normal sens. + quick run	
Pa		
Fq	Normal sens.	
Ba	Normal sens. + quick run	No
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	Normal sens. + quick run	Port Moresby Ionospheric Sounding Equipment
E1	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		
LQ		
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
To	Normal sens.	I.P.S. Canberra
Am	Normal sens.	Godley Head Ion. Stat. New Zealand Broadc. Service, Wellington; Sol. Obs. ; Carter Obs. Wellington
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 1a STORM SUDDEN COMMENCEMENTS (S.S.C.'S) 1962

Sudden commencements followed by a magnetic storm or period of storminess. (checked by 67 observatories)

JANUARY

- 10d 02h 13m A: Kn Wn Sw Ma Fü Hb Lg Tf IK Ci Tl Ak SF TI Ks Qu Ho Te MB Mu Gu AA PM Tn - B: So Le Si Es St Ir Ni Vl Gt Cm Kv Db Vi Cf Mb Aq Tk Eb Fr SM Ka Ss Tu Ky SJ Mc Ap Va Gn Hr To Kg Am Wk DU Mw - C: Co Sr Do Ht SB - X: Pr - (si: B: MI).
- 19d 01h 13m A: Gt Lg IK Ak SF TI Ks Te MB Mu Gu AA PM Tn - B: So Co Sr Le Si Es St Wn Sw Ni Vl Cm Kv Ma Db Pr Vi Fü Hb Aq Tf Tk Eb Ci Fr SM Tu Qu Ho SJ Mc Ap Va Hr Am Kg Wk DU - C: Do Ir CF Mb Tl Ka Ss Ky Gn To Ht - X: Kn - D: 3.

FEBRUARY

- 04d 09h 30m A: So Sr Kn Wn Sw Tk Ak Ks AA Tn - B: Le Si St Ir Ni Vl Gt Cm Ma Pr Fü Hb Mb Lg Aq Tf IK Ci SM Ka TI Tu Ky Qu Ho MB Mu Gu Mc PM Ap Gn To Am Kg - C: Co Do Kv Db Vi Cf Eb Tl? Fr Ss SJ Hr MI Wk Mw SB - X: SF Te Va - (si: B: Es) - D: 2.
- 06d 21h 01m B: Kn St Sw Ma Fü Hb Tk IK Ak TI Qu AA Tn Va - C: So Co Sr Do Le Es Wn Ni Vl Gt Kv Db Pr Cf Mb Lg Tf Ci Tl? Fr SM SF Ka Tu Ky Ho MB Mu Gu Mc Ap Hr SB - E: Si Ks DU - X: Cm Te - (si:C:Eb)-D:14.
- 11d 09h 58m A: Ak Qu - B: So Le Kn St Gt Ma TI Tu Mc PM Ap Tn Va To Am Kg- C: Sr Wn Cm Kv Pr Fü Hb Mb Tf Tk IK Eb Ci Fr SF Ka Ks Ss Ky Ho SJ MB Gu Gn Hr MI Wk Mw - E: CF - X: Lg Mu - (si: B: Vl - C: Es) - D: 15.
- 22d 02h 20m A: So Co Do Es St Wn Sw Gt Cm Ma Db Pr Fü Hb Lg Tf IK Eb Tl Fr Ak SM SF TI Tu Mu Gu AA Mc PM Tn Va Am Wk DU - B: Sr Le Si Kn Ni Vl Kv Vi Cf Mb Aq Tk Ci Ka Ss Ky Qu SJ Ap Gn Hr To Kg MI SB - C: Ks Ho - X: Ht - (si: A: Te - B: Ir Mw - C: MB?).
- 26d 08h 34m A: Ak AA - B: So Kn Fü TI Tu Qu Mu Gu Va Gn To Am - C: Do Le Si Es Wn Sw Vl Gt Ma Vi Cf Hb Mb Lg Tf Tk IK Ci Fr SMSF Ka Ky Ho Te SJ MB Mc PM Ap Tn Hr MI Mw - X: St Cm Db - D: 16.
- 26d 12h 33m A: So Sr Sw Ni Gt Ma Db Pr Fü Hb Lg Tf Tk IK Ci Ak SF Ti Ks Tu Qu Te MB Gu AA Mc PM Tn Va Am - B: Le Kn Es St Wn Vl Cm Kv Vi Cf Mb Aq Eb Fr Ka Ky Ho Mu Ap Gn Hr Kg Wk DU - C: Co Do Si Tl Ss SJ Mw SB - E: MI - X: SM - (si: B: Ir To) - D: 1.

MARCH

none

APRIL

- 20d 23h 56m A: So Sr Do Le Si Kn Es St Wn Sw Gt Cm Kv Ma Db Pr Fü Hb Lg Aq Tf Tk IK Eb Ci Tl Fr Ak SF TI Tu Qu Te SJ Mu AA Mc PM Tn Va Gn Hr Am Wk - B: Co Ir Ni Vl Vi? CF? Mb SM Ky Ho MB Ap To Kg MI DU Mw Ht SB - C: Ka Ss - X: Ks Gu.
- 25d 13h 29m A: Ma Fü Lg Tf Ak SF Qu AA? Tn - B: So Do Le Si Kn Es St Wn Sw Vl Gt Cm Kv Db Pr Cf Hb Aq Tk IK Eb Ci Tl Fr SM TI Ho Mu Gu Mc PM Va Gn Hr Am Kg - C: Sr Ni Vi Mb Ka Ss Tu Ky SJ Ap To Wk DU SB - E: Co - (si: B: MB? Mw - C: Te MI - bs: B: Ir) - D: 2.

MAY

- 27d 04h 13m A: Ma Fü Lg Tf IK Ak SF TI Ks Mu AA Mc PM Tn - B: So Co Kn Es St Wn Sw Vl Gt Db Pr Cf Hb Aq Tk Eb Ci Tl SM Ss Tu Ho SJ Gu Mc Ap Va Gn Hr - C: Sr Do Le Ni Cm Kv Vi Mb Ka Ky To Kg MI Wk Mw - X: Qu - (si: A: Fr Te - B: Si MB?) - D: 4.

JUNE

- 26d 08h 50m A: Ak - B: So Lg IK SF TI Mu PM - C: Co Le Si Kn St Wn Sw Vl Gt Kv Ma Cf Hb Mb Aq Tf Ci Tl Fr SM Ka Ss Tu Ky Qu Ho SJ Gu AA? Ap

TABLE 1a STORM SUDDEN COMMENCEMENTS (S.S.C.'S) 1962 - continued

JUNE

Am MI - X; Cm Db Fü Mw - (si: A: Sr AA B: Ks Tn - C: Ir Te MB Wk - bp: C: To) - D: 14.

JULY

- 03d 12h 02m A: So Fü Lg IK Ak SF TI Tn? - B: SR Le Kn Es St Ni Vl Gt Kv Ma Db Hb Aq Tf Tk Tl SM Ks Tu Qu Mu Gu PM Ap Kg - C: Do Si Wn Cm CF Mb Ci Fr Ka Ky Ho Va Gn To Am - E: DU - X: SJ Mc - (si: A: Te AA- B: Sw Pr Eb - C: Vi Ss MB Hr MI Wk Mw - bs: Ir) - D: 3.
- 25d 22h 36m B: So Kn Wn Ma Lg SM Qu - C: Le Sw Kv Db Fü Hb Aq Tf Tk Ci Tl? Ak TI Tu Ho Te SJ MB Mu Gu Mc PM Ap Va Kg MI - E: CF AA - X: Cm - (si: B: Gt Fr - C: Es St Mb Eb Ka Ky) - D: 23.
- 26d 02h 59m A: TI - B: So Co St Ir Vl Ma Db Pr Lg Tk Ci SM AA Tn To Am - C: Le Si Wn Gt Kv Vl Fü Hb Tf IK Tl Ak Tu Ho SJ MB MI SB - E: Fr Ks Gu Hr Kg Wk DU Mw - X: Cm PM Ht - (si: A: Te - B: CF? Qu Mu - C: Es Mb Eb Ka Ky Mc Ap Va) - D: 9.

AUGUST

- 30d 23h 40m B: So Kn Gt Ma Fü Hb Lg IK Ci SF TI Tu Mu Gu AA Ap Tn Wk - C: Si Es St Wn Sw Vl Kv Vi CF Tf Tk Tl Fr SM Qu Ho Sj MB Mc PM Va To - E: MI Mw - X: Cm DU SB - (si: C: Eb) - D: 21.

SEPTEMBER

- 19d 00h 32m A: SF - B: Kn Fü Ci Ak TI Gu AA PM Tn Va Wk - C: Co Si Wn Sw Vl Kv Ma Vi Hb Mb Lg Tf Tk IK Tl? Fr SM Ka Ss Tu Ky Qu Ho SJ Mc Ap Gu Hr To Kg MI - E: Es CF DU Mw - X: Cm Mu SB - (si: So Gt - C: Eb Te MB) - D: 12.
- 28d 12h 56m A: Kn Lg SF Tn - B: So Vl Ma IK Ak TI? Mu Mc PM To Kg Mw - C: Co Do Le Es St Wn Gt Kv Db Fü CF Mb Aq Tf Tk Ci Tl? Fr SM Ka Ss Ho SJ MB Gu Ap Gn Wk SB - E: MI - X: Cm - (si: A: AA - B: Eb Qu - C: Sw Ks Ky Hr) - D: 13.

OCTOBER

- 07d 20h 26m A: So Co Sr Kn St Wn Gt Cm Db Pr Fü Hb Lg Tf Tk IK Eb Ci Tl Fr Ak SM SF Ti Ks Tu Qu Te SJ MB Mu Gu AA PM Tn Gn Hr - B: Do Le Si Es Ir Sw Ni Vl Kv Ma Vi CF Mb Aq Ka Ss Ky Ho Ap Va To Am Kg MI Wk DU Ht SB - C: Mw - D: 1.
- 22d 12h 18m A: MB - B: So St Sw Ma Db Tk Ci Ak SF TI Qu Mu Gu Mc PM Ap Va AM - C: Es Wn Ni Vl Gt Cm Kv Pr CF Hb Mb Lg Aq Tf IK Tl Fr SM Ky Ho SJ Gn Kg Wk - E: Si Hr MI Mw - (si: A: Co - B: Le Tu AA? - C: Eb Ka Ss Te Tn) - D: 11.

NOVEMBER

- 21d 13h 53m A: Ak SF TI - B: So St Vl Ma Db Fü Hb Tf Ci Tl Mu Mc? PM Va Hr Kg - C: Le Es Wn Sw Ni Gt Cm Pr CF Aq Tk Eb Fr SM Tu Ho SJ MB Ap Am Ht SB - E: Si DU - X: Lg Gu - (si: A: Qu - B: Co IK Ks AA Tn - C: Mb Ka Ss Ky To MI Wk Mw) - D: 8.

DECEMBER

- 04d 03h 34m A: So Co Sr Do Si Wn Gt Cm Db Vi Fü Hb Lg Tf Tk IK Tl Fr Ak SF Ti Tu Qu Ho Te SJ Mu Gu AA Mc PM Ap Tn Va Gn To Am MI Wk DU Mw - B: Le Es St Sw Ni Vl Kv Ma Pr Mb Aq Eb Ci SM Ka Ss Ky MB Hr Kg Ht SB - C: Kn CF - X: Ks - D: 1.
- 17d 16h 48m A: So Le Sw Fü Tk IK Ci Qu - B: Wn Db Pr Hb Mu PM - C: Si Ni Vl Ma Tf Tl Ak SM SF MB Gu - E: Co SJ Kg MI DU Mw - X: Cm TI - (si: B: St? Gt - C: Kv Lg - bs: Ks - bp: B: Mb Eb Ka Ss Ky - bps: A: Kn-B: AA - sfe: Ir) - D: 21.

TABLE 1b NOT CHECKED STORM SUDDEN COMMENCEMENTS (S. S. C. 'S) 1962JANUARY

19d 12h 18m (15-19) B: Sw - C: St - (si: Be).

FEBRUARY

16d 09h 55m (50-60) B: Ir - C: MB.

MARCH

01d 11h 09m (08-11) B: So - C: Tf MB.

05d 08h 28m (26-30) A: Me - B: Si - C: Vi - (bs: B: Ag - pt: C: MB).

APRIL

21d 16h 15m (15) B: Wn Pr? - C: Es - (b: A: Tr).

25d 19h 21m (20-21) B: Tr So - (pt: C: Cm).

MAY

05d 18h 36m (35-39) B: Hl Qu - C: Ak MB.

31d 05h 52m (50-55) A: Me - C: Qu.

JUNE

07d 05h 24m (21-25) A: Tr - B: Co MI - C: Tf - (si: B: Te - sfe: Tl).

JULY

26d 02h 22m (21-22) B: Od Lg Tf - (si: C: Ma Tk - bs: A: Ks).

26d 05h 35m (31-39) A: Me - C: Vi.

31d 15h 31m (31-32) A: SF - B: Qu.

31d 15h 45m (43-46) B: Sw Vl Ma - C: Es Ni MB - (si: B: Fü).

AUGUST

07d 11h 56m (55-58) B: Sw - C: Ma Tf.

16d 18h 42m (41-43) B: Sw Fü Lg - C: Cm - (si: Be).

SEPTEMBER

01d 05h 36m (32-42) B: Sw Od Qu - (b: C: Hu).

11d 19h 50m (49-50) B: Wn - C: Cm Ma.

12d 05h 37m (35-39) B: Hl Vl Db - C: CF.

18d 20h 47m (47-48) B: Db Lg - C: Cm.

OCTOBER

19d 07h 13m (12-15) A: Me - B: Ag - C: Vi.

24d 10h 24m (23-25) B: Mw - C: Ma.

NOVEMBER

none

DECEMBER

26d 08h 11m (09-15) B: Mc Tn? - C: MB.

TABLE 2a BAYS AND PULSATIONS 1962

Commencements of bays or pulsational disturbances associated with bays. Stations where other kinds of disturbances appeared are included in parentheses.

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

01d 03h 12m	(07-16) b: A: Pe - bs; A: Me - bp; B: CF Lg Eb Tl SM Hu; C: MB - bps; A: Fr; B: Ag.
01d 23h 26m	(24-28) b: A: Pe SF; B: Hl Sw - bp; A: Fü Lg IK; B: Wn Wi Ni Vl Ha Db Pr CF Od Eb Tl Bi; C: Mc - bps; A: Do St; B: Le Ma Aq Md Mw; C: Kv - pt; B: Cm Tf MB; C: Hu - (ssc: Es).
02d 00h 17m	(15-20) bp: B: Lg Eb Tl SM; C: MB - pt; C: Cm.
02d 09h 37m	(33-50) b: B: Ir - bp; A: Sr; C: Vi - bps; A: Ho Gu Ap Am; B: Mb Ka Ky Hn PM To - pt; C: Hu.
02d 15h 56m	(51-58) b: A: Pe - pt; C: Mb Ka Ky.
03d 11h 57m	(53-59) bp: B: Sr - bps; B: Gu PM To; C: Mb Ka Ky - pt; B: Gn; C: Hu.
03d 20h 12m	(19 58-20 17) bp: B: Ni Vl Ma CF; C: Kv? Pe - pt; A: Fü Tn; B: Es St Wn Cm Od Aq Tf TK Md IK Eb Tl Qu MB Mu Bi Hu Tw - (ssc: C: Tr).
05d 22h 42m	(39-52) bp: C: Pe - pt; A: Cm Ma Fü Bi Tn; B: Tr Wn CF Aq Md Tl Ks MB PM; C: Tk Hu - pg: So.
06d 03h 20m	(14-23) bp: A: Vl IK; B: Wn Ni Ma Fü CF Lg Md Eb Tl Fr SM; C: Ha Pe MB - bps; B: Es Aq; C: St - pt; A: Cm; B: Bi; C: Mc Hu.
08d 16h 46m	(44-48) b: A: Pe; C: Ma - bps; B: Hl.
09d 02h 32m	(23-37) bp: B: Vl SM - pt; A: St Lg Va; B: Es Wn Fü CF Ag Md Eb Ci MB Pa Mc Bi Hu; C: Cm PM.
09d 03h 21m	(17-25) bp: B: Fr - pt; A: Me Fü; B: Wn Aq Md Ks MB Bi; C: Cm McPM Hu.
09d 04h 13m	(05-16) bp: C: DU - pt; C: PM Hu To.
09d 13h 38m	(36-39) bp: C: Mb Ka Ky Gu.
09d 17h 28m	(27-30) b: A: Te - (sfe: Hu).
09d 19h 27m	(16-35) b: B: Sw TI - bs; A: SF; B: Kv Bi; C: Mc - bp; A: Nu Fü; B: Kn Mo Wn Ir CF Tf Tk Eb Kg - bps; A: Od Md IK; B: Qu; C: Ha - pt; B: Cm; C: Mb Ka Ky - (ssc: A: Tr Hu; B: Es; C: St Pe - si; A: MB; B: Hl Lg Tl Tn).
10d 03h 45m	(34-52) bp: A: Si; B: MI - bps; A: Fr; B: Vi - (si; A: Sr).
10d 10h 08m	(06-10) bps: A: Ni - (ssc: B: Mu).
10d 19h 10m	(00-30) bp: A: CF IK; B: Ir Ma Tf; C: Hr - bps; A: Kn Mo Pr Qu; B: Kv - pt; B: Cm.
11d 17h 40m	(33-43) b: A: Pe; B: Sw - bp; C: Pr Tf.
12d 07h 59m	(57-60) bp: A: Me - pt; B: MI.
12d 23h 39m	(35-41) b: A: SF - bp; A: So Fü TC; B: Wn Sw Vl Ma Pr CF Lg Aq IK Eb Ci Tl Bi; C: Ha Su Pe Mc - bps; B: Do Es St Db MB - pt; B: Tr Cm Od.
13d 19h 32m	(27-36) b: B: TI - bp; A: So; B: Wn Vl Be Pr Fü Su Tk; C: Tf Eb Pe - pt; A: Tn; B: Cm Ma Od - pg; A: Me.
14d 15h 27m	(25-30) bp: B: Ir - (ssc: C: Pe).
14d 22h 20m	(10-28) b: A: SF; B: Ma Lg - bp; B: Wn Vl Fü Eb SM; C: Kv? CF - bps; B: Mw.
15d 18h 55m	(18 42-19 09) b: B: TI - bp; B: Tf Kg; C: Kv? Pe.
15d 21h 54m	(53-55) bp: B: Vl Lg Tl Pe Kg; C: CF Eb - bps; B: Le - pt; B: Fü; C: Cm.
15d 22h 08m	(08-09) bp: B: Wn Fü SM Tc; C: Kv? - bps; B: Mw.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(JANUARY)

16d 11h 45m	(42-49) bp: B: Wk; C: Ky PM To - bps: B: Sr; C: Mb Ka - pt: C: Hu.
16d 17h 09m	(00-20) b: A: Pe - bp: B: Kn Ma; C: Kv? Tf PM - pt: C: Mb Ka Ky Hu.
16d 23h 07m	(22 59-23 17) bp: B: Bi; C: Eb Tl MB - pt: Fü.
17d 15h 56m	(54-58) b: C: Ak - bp: B: Tk; C: Tf - pt: B: TI.
17d 20h 02m	19 58-20 07) b: A: Mo Sw Pe; B: Ak - bp: B: Be Ma; C: St Kv? Db Tk - pt: B: TF; C: PM.
18d 11h 14m	(13-14) bp: B: Am - pt: B: Gn To; C: Md Ka Ky Hu.
18d 14h 43m	(42-45) bp: B: Gn - pt: B: Mb Ka Ky PM To; C: Hu.
18d 15h 37m	(35-40) b: A: Pe - bp: B: Gn Wk; C: Pr
18d 16h 08m	(06-15) b: B: Sw Tk Ak - bp: B: Ir Be Ma Gn; C: Kv? - pt: B: Cm.
19d 06h 07m	(04-10) bp: B: Mw - pt: C: Hu.
19d 12h 44m	(42-45) bp: C: Mb Ka Ky - bps: B: Am MI - pt: B: PM To.
19d 15h 41m	(36-50) bs: A: Ks - bp: B: Ir Mw; C: Tf - pt: B: Ma-(ssc: B: Nu-si: B: Fü).
19d 17h 20m	(12-33) b: A: SF - bs: A: Ks - bp: A: Qu; B: Tf Eb Hr Wk; C: CF - bps : A: Mo; B: Mw.
19d 18h 00m	(00-00) b: B: Ir - bp: C: Kv?
20d 18h 41m	(30-51) b: A: Su Pe; B: Sw Ak - bp: A: Fü; B: Le Mo Es Wn Ni Vl Be Ma Pr Cf Od Tf Md IK Eb Qu Wk - bps: B: Wi Tk - pt: B: Cm.
21d 01h 39m	(39-40) bp: B: Vl; C: Eb - pt: C: Hu.
21d 12h 09m	(07-20) b: A: Ak - bp: B: Od Mb Ka Ky Gu Hn To; C: PM - pt: B: Hu.
21d 20h 54m	(42-60) bp: A: So; B: Do Db Cf Ik; C: Kv? Tk Kg - pt: A: TI; B: St Fü Od Aq Bi; C: Cm - (ssc: B: Tr).
21d 21h 29m	(27-30) b: A: TI; B: Sw Ak - bs: B: Hl Mw - bp: A: Fü; B: Wn Ni Vl Ha Ma Pr Lg Md Eb Tl; C: Pe - bps: B: Do Es Wi; C: St - pt: A: Bi; B: Tf -(si: A: Tr).
24d 17h 00m	(00) bp: C: Kv? - pt: B: TI.
25d 16h 29m	(24-34) b: A: Pe - bp: C: Tf.
25d 21h 28m	(25-30) bp: C: Pe - pt: A: Fü; B: Cm Ha Ma Cf Od Aq Md Ik Eb Ti Ks Bi Hu; C: MB.
25d 22h 40m	(30-45) bp: B: Mw; C: Pe - pt: A: Fü Bi Tn; B: St Ha Aq; C: Hu.
25d 23h 31m	(30-33) bp: B: Lg; C: Pe - pt: A: Tn; B: Wn Ti Bi; C: MB Hu.
27d 00h 03m	(00-06) bp: B: Mw - pt: A: Tn; B: Ma Fü Md Ti Ks; C: MB.
27d 00h 48m	(45-51) b: A: SF - bp: A: Fü IK; B: Wn Vl Ma Pr Cf Lg Md Ci Tl Pe Sm Ks Tc Bi; C: Kv? - bps: B: Ha; C: St - pt: A: Cm Tn; B: Aq Ti MB PM.
27d 04h 39m	(39-40) bps: B: Fr; C: Hu.
27d 05h 00m	(04 58-05 02) bp: B: Mw - (ssc: B: Me).
27d 09h 54m	(09 48-10 02) bp: B: To; C: Ap - pt: B: Me.
27d 20h 19m	(13-24) bp: B: Nu; C: Pe - bps: B: Mw - pt: A: St Fü; B: Cm Ma CF Od Tf Eb Ti; C: Ha Hu.
27d 21h 52m	(46-60) bp: B: Wn Ni Vl Pr Fü Cf Lg Tf IK Eb Pe; C: St Cm Ha Kv?- pt: A: Ma Fü; B: Aq Ti MB Bi; C: Hu.
28d 04h 05m	(05) bps: B: Ag; C: Hu.
28d 22h 47m	(45-50) bp: B: Cf Lg - pt: A: Ma; B: Cm Aq Md MB Bi; C: TI Mc Hu.
29d 04h 02m	(00-05) b: B: Me - bp: C: MB.
29d 14h 05m	(04-06) bp: C: Ky - pt: C: Mb Ka.
29d 23h 12m	(10-15) b: B: Ak - (si: B: Tr).
29d 23h 43m	(33-46) b: A: Mo SF; B: Sw - bp: A: Fü Su IK Eb; B: Do Nu Wn Ni Vl Be

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(JANUARY)

Ha Ma Db Pr CF Od Md Ci Tl Pe Mc Bi bps: B: Le Es Hl St Mw - pt:
A: Ks MB; B: Cm Aq TI.

- 30d 00h 00m (00) bp: B: Kv? - pt: C: MB.
 30d 03h 46m (43-49) bs: A: Fr: B: Ag - bp: B: Vl; C: Tl - bps: C: MB - pt: C: Hu.
 30d 07h 13m (12-15) bs: B: Ag - bps: A: Fr.
 30d 14h 07m (04-14) bp: B: Gu PM To DU; C: Mb Ka Ky - pt: B: Hu.
 30d 20h 55m (50-57) bp: C: Kv? - pt: B: Tk TI Ks; C: Cm,

FEBRUARY

- 01d 23h 36m (33 40) bs: A: Tr - bp: A: So; B: St Vl - pt: A: Fü; B: Es Wn Cm Ma Od
Aq Md Eb Ti Ks Bi; C: Ha MB.
 02d 00h 40m (39-43) bs: B: Hl - bp: A: Vl Ma Lg Mc; B: Wn Sw Ha Pr Fü Md IK Eb Tl
SM Bi - bps: A: So; B: Do Le Es Wi Mw - pt: A: Cm Tf TI MB Va; B:Aq
Ci Qu TC; C: Hu.
 03d 15h 24m (15-40) b: B: TI TC; C: Ak - bp: C: Tf PM - pt: B: Ka. Ky Hn.
 03d 19h 05m (00-12) bp: B: Wk - bs: A: Tr - pt: A: Fü TI Ks Bi Tn; B: Es Wn CM Ma
Od Aq Tf Tk Md Pe PM; C: Eb Mc Hu - (si: B: Mo).
 04d 14h 08m (05-11) bp: B: Ir - (si: B: Hu).
 06d 23h 07m (02-15) bp: B: Ha Lg Tl SM; C: Eb - bps: A: Nu; B: v1 - pt: B:Cm Ma CF
- (ssc: A: Tr; C: Pe - si: B: IK).
 07d 08h 34m (33-36) bs: B: Ag; C: Vi.
 07d 14h 24m (16-33) bp: B: Hn PM DU; C: Mb Ka Ky - pt: C: Wk.
 07d 17h 33m (15-48) b: A: Fü SF; B: TI - bs: A: Nu Pr - bp: B: Vl CF; C: Hr - bps: B:
Kn Mo Wn Db Bi.
 09d 01h 48m (47-51) b: A: Fr - bp: B: St Wn Vl Ma Pr Fü CF IK Ci Tl SM TC;C:Ha
Lg Md Eb Pe MB - pt: B: Cm Bi.
 09d 12h 35m (27-38) bp: B: Ka Ky Hn PM; C: Tf - bps: A: Gu To; B: Mb - pt: B: Nu.
 09d 17h 04m (03-05) bp: B: So - pt: B: Gn; C: Mb Ka Ky.
 09d 17h 22m (19-27) b: A: Pe - bp: B: Be Wk; C: Tf - pt: B: Tk Bi; C: Cm PM Hu.
 09d 18h 06m (05-10) bp: B: So - pt: B: Cm Tk; C: Hu - (si: A: Tr).
 09d 23h 40m (38-41) bp: B: So Ma CF Lg IK; C: Ha Pe - bps: A: Tr St; B: Vl - pt: A:
Cm Fü; B: Es Wn Od Aq Md Eb Ti Bi; C: MB.
 10d 00h 32m (30-34) b: A: Ci - bp: B: Ma Fü CF Lg IK Eb Tl SM TC Bi; C: Pe - bps:
B: Es Vl Db; C: MB - pt: B: Cm Aq.
 10d 05h 23m (20-30) bp: A: Me - pt: B: MB Hu To.
 10d 19h 51m (48-53) bs: A: Tr - bp: B: Be; C: KV? Tk Kg - bps: A: So pt: B: Wn; C:
Cm.
 11d 02h 04m (00-15) b: A: SF - bs: A: Tr - bp: A: So Db; B: Nu Le Wn Sw Ni Vl Be Ha
Ma Pr Fü CF Lg Aq Md IK Eb Tl SM TC Bi Mw; C: Kv? Su Pe - bps:
B: Es Hl; C: Ci MB - pt: B: Cm Hu.
 11d 18h 40m (35-49) bp: B: Ma Qu; C: Tk - pt: A: TI; B: CF Pe Gn; C: Mb Ka Ky PM.
 12d 00h 03m (02-04) bp: B: Lg Tl TC; C: Hr.
 12d 16h 04m (04-05) b: B: Ir; C: Mb Ka Ky.
 12d 18h 26m (20-40) b: A: Pr Fü Pe SF Ks; B: Wn Ir Ak TI - bp: A: Qu; B: Vl Kg Wk;
C: Hr - bps: A: Kn Mo Tf; B: Ni.
 12d 19h 05m (05) b: C: Ir - bp: B: Kv?.
 12d 19h 33m (30-47) b: A: Pr Fü SF Ks Mc Bi; B: Wn Vl TI - bp: A: Od Qu; B: Pe Wk
- bps: A: Tf; B: Mw.
 12d 20h 05m (05) b: C: MB - bp: B: Kv?
 12d 21h 15m (13-17) bp: B: Bi - pt: B: Am.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(FEBRUARY)

- 12d 21h 38m (25-48) b: A: Mc; C: MB - bp: B: Wn Pr Lg Tn Pe - bps: B: Vl.
- 13d 03h 39m (33-42) b: A: Pe SF; B: Vl; C: MB - bs: B: Es - bp: B: SM TC.
- 13d 10h 37m (35-47) bp: C: Vi Mb Ka Ky PM - bps: B: To Am - pt: B: Me.
- 13d 18h 48m (18 35-19 05) b: A: Pe - bp: A: Tf; B: Kn Mo Wn Kv? Pr Fü CF Od- bps: B: Be - pt: B: Cm; C: Mu.
- 13d 23h 24m (21-29) b: C: MB - bp: B: Wn Pr Fü Od Lg Tl Pe TC - pt: B: Aq.
- 13d 22h 53m (22 42-23 05) b: A: SF - bp: B: Vl Ha Ma CF Lg Bi Hr; C: Kv? Tf Pe - bps: B: Mw - pt: C: Cm.
- 14d 20h 32m (23-36) b: A: Su Ak SF; B: Sw - bs: B: Hl - bp: A: Kn Lg IK Eb Tl Qu Mc Hr; B: Mo Wi Ma TC Bi Kg Wk - bps: A: Nu Es St Ni Vl Ha Kv Pr Fü Od Aq Tf Md Ks Mw; B: Le Wn Be Cm CF - pt: C: Mb Ka Ky - (ssc: B: Pe).
- 14d 21h 02m (00-04) b: B: Ir - bs: A: Ks.
- 15d 17h 18m (12-35) b: B: Sw Fü - bs: B: Hl - bp: A: Rs Kg Wk; B: Le Ir Ma CF-bps: A: Nu Kn Mo Be Pr; B: Gn - pt: A: Cm; C: Ky.
- 16d 10h 35m (33-38) bs: B: Sr - bp: B: Te.
- 16d 19h 28m (26-30) b: B: Ir - (si: B: Pe).
- 16d 23h 10m (09-15) bp: A: Lg; B: CF Eb Tl TC Bi - bps: B: Cm.
- 17d 18h 23m (04-28) b: A: Nu Kn SF; B: Wn Be Pr Fü Su Tk Ak - bs: A: Ks; B: Hl - bp: A: Tf; B: Ni Vl CF IK Pe Qu Kg; C: Wk - pt: C: Cm.
- 18d 08h 03m (03-04) b: A: Pe - sfe: Sw).
- 18d 08h 50m (47-52) bps: A: Me? - pt: B: To; C: PM Hu.
- 18d 18h 25m (20-35) b: A: Kn Su Ci Fr SF; B: Sw Ak SM TC - bs: B: hl - bp: A: So Sr Do Nu Mo Es Ha Fü CF Od Aq Tf IK Tl Qu; B: Le Wn Wi Ir Ni Vl Ma Pr CF Lg Tk Md Eb Pe Kg; C: Mb Ka Ky PM - bps: A: Db Gn; B: Be Kv Wk; C: Cm - pt: C: To.
- 19d 06h 28m (25-36) bs: B: Ag - pt: B: PM; C: Hu To.
- 20d 07h 18m (15-21) bp: B: Fr - pt: B: Me.
- 21d 14h 15m (15-16) bp: B: PM - pt: B: Tk.
- 21d 16h 33m (30-35) b: A: Pe - bp: B: Ir Mb Ka Ky PM Gn Wk.
- 22d 14h 54m (52-60) bp: B: DU; C: Mb Ka Ky - bps: B: To.
- 23d 04h 12m (10-15) bp: B: Me Fr - pt: B: Te MB PM; C: Hu.
- 23d 11h 10m (07-12) bp: B: PM Ap To; C: Mb Ka Ky Hu.
- 23d 14h 12m (00-20) bp: B: Mb Ka Ky PM Gn; C: Ir Tf - bps: A: To.
- 23d 15h 36m (35-37) bp: C: Mb Tf Ka Ky PM.
- 23d 15h 53m (52-54) b: A: Pe; B: Mo - bps: A: Gn; B: Kn Wk.
- 23d 22h 12m (11-13) bp: B: Vl; C: Kv? Lg Eb Tl - bps: B: Mw - pt: B: Wn Cm Fü CF Aq Pe; C: Es.
- 24d 11h 20m (19-20) bp: B: CM - pt: C: Mb Ka Ky Hu.
- 24d 16h 25m (24-27) b: B: TI - bp: C: Tf.
- 24d 17h 44m (40-46) b: A: Pe; B: Wn Sw Pr Fü TI - bp: B: Vl CF Od Wk; C: Tf.
- 24d 18h 06m (06) bp: C: Kv? - bps: B: Mw.
- 24d 19h 44m (39-49) b: A: Pe; B: TI - bp: C: Tf - pt: C: Cm.
- 24d 20h 01m (01) bp: C: Kv? - bps: B: Mw.
- 25d 20h 09m (05-10) b: B: Hl Tl - bp: A: So Nu St Pr Fü Od IK; B: Do Le Kn Mo Es Wn Be Kv? CF Aq Tk Md Eb Tl Qu Pe Kg - pt: B: Es Cm; C: Hu Wk - (ssc: B: Tr).
- 25d 20h 31m (27-33) bp: A: Vl Lg Eb Pe Bi - pt: C: MB - (ssc: B: Mw).
- 26d 18h 41m (41-42) bp: B: Mo - bps; C: Kv.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(FEBRUARY)

27d 14h 52m (52-54) bp: B; PM; C: Mb Ka Ky

MARCH

- 01d 16h 01m (00-02) b: A: Pe - bp: B: Mo; C: Kv?
- 02d 08h 10m (09-12) b: A: Pe - (si: A: Pr - sfe: IK).
- 02d 15h 59m (15 56-16 03) b: A: Pe - bp: B: Kv? - pt: C: Mb Ka Ky.
- 02d 18h 30m (25-35) b: A: Pe - bps: B: Mw.
- 03d 19h 10m (07-14) b: A: Pe Bi.
- 04d 01h 09m (07-12) bp: A: Pe - (sfe: TI).
- 04d 19h 06m (02-09) bp: B: TI - pt: B: Tf Tk.
- 04d 20h 51m (48-55) bs: B: Nu - pt: B: Es Wn Cm Ma Fü CF Md TI; C: Tk MB.
- 04d 23h 01m (22 48-23 11) bs: B: Nu - bp: A: IK Pe; B: CF Md Eb Ci TI Tn; C: St Ha - bps: A: So; B: Vl Lg Mw - pt: A: Cm Ma Fü; B: Wn Od Aq Tf SM Bi; C: Es MB Mc PM - (ssc: B: Tr).
- 05d 12h 16m (12-20) b: A: Fr SJ - bp: B: TC Mw.
- 05d 12h 53m (12 39-13 03) b: A: Tr - bs: A: To; B: Pe - bp: A: Am DU; B: Sr Vi Mb Ka Ky Te Hn Wk; C: Kv? - bps: A: Kn Mo PM.
- 05d 16h 13m (10-16) bp: B: Ir - bps: B: To; C: Mb Ka Ky PM - pt: B: Wk.
- 05d 16h 42m (41-43) b: A: Pe - pt: B: PM.
- 06d 11h 25m (25) b: B: Ak - pt: B: PM.
- 06d 11h 48m (45-50) b: A: Pe SF - bp: A: Mo Od; B: To.
- 06d 12h 13m (11-15) bp: B: Ir Wk.
- 06d 19h 00m (00-02) b: A: Pe; B: Ak - bp: A: Mo Od; B: Es Kv? TI - bps: B: Wn Vl Cm Pr Fü Mw; C: Md - pt: B: Vi - (si: A: Tr So).
- 06d 19h 39m (36-45) bps: B: Mw - pt: B: PM.
- 06d 23h 54m (23 53-24 01) bp: B: Ma CF Eb; C: Md - bps: B: Es - pt: B: Fü; C: Cm.
- 07d 15h 50m (46-52) bp: B: Qu Gn; C: Pe - bps: B: Wk - pt: B: Tf TI; C: Mb Ka Ky.
- 08d 03h 24m (20-27) bps: A: Me; B: Ag; C: Hu - pt: B: SM PM Tw.
- 08d 14h 16m (15-20) bp: B: DU; C: To - bps: C: Gu - pt: A: PM; B: Mb Ka TI Ky Hu Gn.
- 09d 15h 34m (33-36) b: A: Pe - bp: C: Tf.
- 10d 01h 22m (16-41) bp: B: Vl Mw - pt: A: St MB Va; B: Wn CF Fü Aq Md Eb Ci Pe Bi; C: Cm Mc Hu.
- 10d 12h 59m (12 45-13 10) bp: B: Kn Ir Gn; C: Kv? Mb Ka Ky Wk - pt: C: Tf.
- 10d 17h 15m (10-18) b: A: Pe - bp: B: Kn Mo Wk.
- 10d 21h 10m (10) bp: C: Mu Kg.
- 10d 22h 25m (24-27) bs: B: IK Pe? - bps: B: Wn Pr Fü; C: Kv - pt: B: Cm TI.
- 11d 02h 15m (14-16) bp: B: TC - pt: B: CF Eb; C: MB - (si: Vl).
- 11d 10h 34m (24-40) b: B: Ak TI - bp: A: Am; B: Sr Tf To - pt: B: PM; C: Mb Ka.
- 11d 16h 28m (27-30) bp: B: Pe - pt: B: Tf PM.
- 11d 19h 26m (20-30) bp: B: Es Wn Vl Ma Pr Fü Od Eb Pe Qu Kg - bps: B: Mw.
- 12d 00h 38m (35-44) b: A: Bi - bp: A: TC; B: Vl Eb - pt: C: MB.
- 12d 11h 17m (14-24) bp: B: Te - pt: C: Mb Ka Ky.
- 12d 14h 05m (05) bp: B: Ir - pt: B: PM.
- 12d 16h 32m (22-49) bs: B: Ni Cm - bp: A: Fü; B: Wn Ma Pr Qu Bi Hr Wk - bps: A: Pe; B: Mo Vl - (si: A: Mw).
- 12d 17h 00m (00) b: C: Ir - bp: B: Kv?
- 12d 19h 20m (15-22) br: A: Bi - bs: A: Pe - bp: B: Vl - bps: A: Fü Od; B: Wn Pr Hr; C: Cm Kv.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(MARCH)

12d 23h 49m	(39-58) b: A: IK SF Mc Bi; B: MB - bs; A: Do - bp; A: Mo Es St Lg Tl; B: Kv? Ma CF Od Eb Hr - bps; A: Pr Md Pe; B: Wn Vl Ha -(si: B: Mw).
13d 11h 45m	(40-47) bs; B: Ks To - bp; A: Ap Am; B: Sr Gu PM DU; C: Md-bps; A: Ho.
13d 16h 19m	(19) bp; B: PM - pt; C: Wk.
13d 22h 16m	(15-17) bp; B: Bi - pt; B: Md Eb; C: MB.
14d 14h 58m	(14 57-15 09) bp; C: Kv? Wk - pt; B: Mb Ka Ky PM Gn.
14d 18h 29m	(25-35) b: A: Pe; B: Sw Ak - bs; A: Ks; B: Pr - bp; A: So Tf IK; B: Le Es St Wn Wi Ni Vl Be Ha Ma Fü CF Lg Aq Eb Tl Bi; C: Kg - bps; B: Hl Od Mw.
14d 19h 00m	(18 50-19 10) b: B: Su - bp; C: Kv? - pg; A: Me.
15d 02h 18m	(17-20) bp; C: Bi Hr.
15d 03h 11m	(07-15) bp; A: Va; B: Hr; C: Kv? - bps; A: Me Ag Fr Tu; B: Hu Tw - pt; A: Te MB; B: Cm Ma Fü CF Eb Pa; C: PM.
15d 21h 22m	(10-40) b: A: Kn Mo SF; B: Hl Sw; C: Ak - bp; A: Do St Ma Fü Od IK Fr; B: Es Wn Ni Vl Ha Ma Pr CF LG Aq Md Eb Tl Pe SM TC Kg - bps; A: So Tf Qu; B: Le Be Db Ag Mw - pt; C: Wk.
15d 21h 50m	(50) b: B: Su - bp; A: Kv?
16d 20h 51m	(40-57) bp; A: So; B: Wn Vl Cm Fü Eb Tn; C: Kv? Pr Pe Kg - bps; B: Mw - pt; A: Ma CF; B: Od Aq; C: Tk Mc Hu.
16d 21h 41m	(42-52) bps; B: Mw - pt; A: Tf; B: Wn Cm.
17d 10h 19m	(16-27) bp; B: Am; C: Vi Ho - pt; B: To; C: Mb Ka Ky PM.
17d 14h 47m	(45-55) bp; B: Wk; C: PM - pt; C: Mb Ka Ky Mu.
18d 15h 50m	(40-55) bs; A: Ks - bp; C: PM Wk - pt; B: Mb Ka Tl Ky Gn.
18d 19h 50m	(19 40-20 05) b: A: SF; B: Sw - bs; A: Do Su; B: Hl Db - bp; A: Tk; B: Ma CF Lg Tl Bi; C: Mc - bps; A: Nu St Ha Kv Od Tf IK Qu; B: Le Kn Mo Es Wn Wi Ni Vl Be Pr Fü Aq Md Eb Pe Gn Hr Kg Wk; C: Cm - pt; C: Mb Ka Ky - (ssc: A: So; B: Tr).
19d 01h 32m	(29-37) bp; A: Pr; B: St Wn Vl CF Lg Md IK Eb Ci Tl Pe Sm Tc Hr; C: Ha MB - bps; A: So; B: Fü Ag - pt; Cm Ma Aq Tn.
19d 11h 40m	(39-42) bp; B: Ho - pt; C: Ky PM.
19d 17h 49m	(48-50) bp; C: Kg - (ssc: A: So).
20d 04h 42m	(40-45) bp; B: SM Tc; C: MB - bps; A: Ag Fr - pt; A: Te Va; B: Pa PM; C: Hu.
20d 08h 28m	(26-31) b: A: Pe; B: PM.
20d 09h 06m	(03-11) b: A: Pe - (si: Hl - sfe: IK).
20d 17h 25m	(10-39) b: A: Od Pe SF; B: Hr - bp; B: Kn Mo Ir Gn; C: Mb Kg Wk.
21d 06h 16m	(15-18) bp; B: Te; C: Tu - bps; A: Me Ag Fr.
21d 13h 46m	(46) bp; B: MB Ka Ky Gu Gn.
21d 14h 07m	(04-10) bp; B: Ir PM Wk.
21d 18h 06m	(00-18) b: A: Pe Ks; B: Fü Ak - bp; A: Pr Od; B: Mo Wn Vl Ma Lg Tf Eb Tl Qu Bi Hr Kg; C: Kv? Wk.
21d 21h 50m	(48-53) bp; A: Lg Tl; B: Vl CF Hr Kg; C: Kv? - pt; B: Ma Fü; C: Eb.
21d 22h 20m	(12-32) b: A: Fr Qu; B: Sw Ak - bs; A: Ks - bp; A: Pr Fü Tf IK Mc; B: Kn Mo Wn Vl Ma Aq Md Eb Bi; C: MB Mu - bps; A: Od Pe; B: Cm Va-(si: B: Mw).
22d 22h 27m	(22-31) b: A: Mo SF; B: Sw Tn - bs; A: Ks - bp; A: Pr Od Tf IK Eb; B: Nu St Wn Wi Ni Ha Ma CF Tk Md Tl TC Mc Gn Hr Kg; C: MB-bps; A: So Do Es Lg Qu; B: Le Hl Vl Be Fü Ci Pe Mw; C: Wk - pt; B: SM.
23d 10h 51m	(48-54) b: B: Ak - pt; B: PM.
23d 11h 08m	(06-10) bp; B: Sr To DU-bps; A: Ap; B: Ho Am; C: Vi-pt; B: Cm Mb Ka Ky Hu.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(MARCH)

24d 00h 15m (15) b; A: Tr; C: Hr.
 24d 01h 19m (13-28) b; A: Mc; B: Sw - bp; A: So Fü IK; B: St Ha Ma Pr CF Aq Md Eb T1 Pe SM TC MB Bi Hr - bps; A: Fr; B: Vl Ag Mw - pt; A: Va; B: Wn Cm Od PM; C: Hu.
 24d 16h 49m (44-54) bp; C: Kv? - pt; B: Ky Gn; C: Mb Ka.
 24d 23h 50m (48-52) b; A: Pe - bs; B: Ks.
 25d 01h 44m (37-60) bp; B: Vl SM Mw - pt; B: Fü CF MB Hu; C: Cm Eb.
 25d 21h 09m (06-20) bp; B: Tr Es Ma Fü CF Lg Eb Bi; C: Ha Kv? Su Md Pe Mc - bps; B: Do Hl Vl Mw - pt; B: Wn Cm Od Aq Tf; C: Hu.
 26d 01h 21m (14-40) bp; A: Tr So; B: Es Wn Vl Ma Pr CF Lg Aq Md Eb T1 Fr Pe SM Bi Hr Mw; C: Mc - bps; B: Ag - pt; A: Fü; B: Cm MB; C: Ha Hu.
 27d 16h 44m (44) b; A: Pe - (sfe: Pa).
 28d 13h 06m (02-10) bp; B: DU - pt; C: PM.
 28d 16h 47m (38-50) bp; B: PM; C: DU - pt; B: TI; C: Mb Ka Ky.
 29d 00h 34m (30-40) b; A: Pe; B: Ak TI - bps; A: Mw.
 29d 12h 09m (07-10) bp; C: Ap - bps; A: Am; C: Ho - pt; B: Me PM Hu Gn To; C: Mb Ka Ky.
 29d 20h 01m (19 54-20 08) bp; C: Kv? - pt; B: Ma; C: Mu.
 30d 01h 15m (12-20) bp; C: Mw - pt; B: Es Wn Cm Fü CF Aq Md Eb Ci MB PM; C: Mc Hu.
 31d 00h 18m (13-30) b; B: Sw - bp; B: Vl CF Lg Md IK Eb Pe Bi; C: Ha Su - bps; B: Mw; C: Kv - pt; A: Fü Tf; B: Wn Cm Aq TI.

APRIL

01d 08h 08m (07-09) bp; A: Te; B: Vi - (ssc: A: Me).
 01d 12h 20m (18-21) bp; C: Ky - pt; C: Mb Ka.
 01d 13h 03m (00-06) bp; B: PM Wk.
 01d 20h 25m (16-32) bp; B: Mo; C: Kg - pt; B: Cm Ma Fü Tf TI Hu.
 02d 03h 27m (24-30) bps; B: Ag - pt; B: Te Pa; C: MB Hu.
 02d 20h 00m (19 54-20 07) b; A: Bi; B: Ak - bs; A: Ks - bp; A: Pr Od; B: Wn Vl Kv? Ma Fü Eb Pe Hr; C: Tf Kg - bps; B: Hl Mw - pt; B: Cm.
 02d 23h 08m (00-20) b; A: Fr SF; B: Ak; C: Tk - bs; A: Ks - bp; A: Kn St Kv? Pr Fü Aq Tf Md IK Eb T1 Pe TC Mc; B: Wn Wi Ni Vl Cm Ma CF Ci Ti Bi Hr Kg - bps; A: Mo Es Od Lg MB; B: Le Hl Be Db Mw.
 03d 05h 20m (15-25) bps; B: Ag - pt; B: Te; C: Hu.
 03d 20h 05m (03-10) bp; C: Kv? - pt; B: Ma Fü CF Eb; C: Hu.
 04d 06h 00m (05 56-06 02) bp; A: Fr Ap; C: Vi - bps; A: Te Hu - (ssc: B: Me).
 04d 19h 36m (30-40) bp; C: Tf - pt; B: Tk; C: Wk.
 04d 22h 54m (43-60) bs; B: Hl SM - bp; A: Fü; B: Ha Ma CF Aq Md IK Eb Ci T1 Pe TC Mc Bi Hr - bps; A: Do Mw; B: Le Od - pt; B: Wn Cm - (ssc: A: So; B: Tr).
 04d 23h 59m (23 52-24 05) bp; A: Tn; C: MB - bps; B: Ag - pt; A: CF.
 05d 11h 24m (20-30) bp; B: DU; C: Ho - bps; B: Am - pt; A: Me; C: MB.
 06d 04h 11m (05-15) b; A: SF; B: SM - bp; B: Vl - bps; A: Lg Fr; C: MB - (ssc: A: Ag; C: Mw).
 06d 17h 46m (42-50) bp; C: Mu Kg.
 06d 18h 06m (05-08) b; A: Pe; C: Ir.
 06d 20h 09m (08-10) b; B: Ak - bp; B: Kg.
 06d 20h 41m (40-42) bp; A: Pr Fü; B: Wn Eb - bps; B: Vl - pt; B: Cm CF MB Hu.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(APRIL)

- 06d 21h 06m (20 58-21 15) bs; A: Ks - bp; A: Wk; B: Ir Ni; C: Kv? - bps; A: Pe; B: Mo; C: Cm - (si: A: Od).
- 06d 23h 50m (45-53) bp; B: Hr Kg - pt; A: CF; B: Cm Eb Pe MB; C: Hu.
- 07d 00h 43m (40-46) b: A: Pe - bs; A: Ks - (si: A: Mw).
- 07d 05h 33m (33) b: A: Pe - bp; A: Te.
- 07d 14h 46m (14 37-15 05) b: A: Ma Wk; B: Ak - bs; A: Pe - bp; A: Kg; B: Ir - bps; A: Kn Mo Kv; B: Vl Cm; C: Lg - pt; C: Mb Ka Ky - (si: A: Pr Od; B: Wn).
- 07d 19h 48m (44-60) b: A: Su - bs; A: Ma - bp; A: eb Tl - bps; A: Kn Mo Vl Cm Kv CF IK Mc; B: Wi Db Lg Kg - (ssc: C: Tf - si: A: Tr Ha Pr Fü? Od Pe Tn Mw; B: Le Es Wn SM).
- 07d 22h 16m (15-17) bps; C: Cm - pt; B: CF - (sfe: Te).
- 07d 22h 39m (30-50) b: A: Pe - bp; B: Mu Hr; C: Kg.
- 08d 01h 21m (20-23) bps; A: Hu - (si: A: Te).
- 08d 03h 03m (00-07) bp; A: Te - bps; B: Tu.
- 08d 11h 56m (55-60) bp; B: PM; C: Mb Ka Ky.
- 08d 15h 56m (15 39-16 13) b: A: Tk Wk; B: Ir Ak - bs; A: Ma Pr Pe Ks; B: Wn -bp; A: IK Hr Kg; B: Wi Ha Eb Mc; C: Db - bps; A: Kn Mo Ni Kv Fü Mw; B: Vl Cm Mb Lg Tf Ka Ky - pt; A: Me; C: Hu - (si: A: Od Tn).
- 08d 20h 09m (09) bp; C: Kv? Tf.
- 08d 21h 03m (03-04) bp; B: Eb - pt; B: Wn Cm CF.
- 09d 00h 10m (07-15) b: A: Od Pe Mc - bp; A: Tf; B: Eb Hr; C: Kv? - bps; A: Mw.
- 09d 14h 07m (05-12) bp; A: To; B: Sr Ir PM Wk DU - bps; A: Gn; C: MbKaKy-(sfe:Od).
- 10d 03h 31m (18-35) bs; A: Fr - bp; A: Me; B: Vl Eb SM Pa Hu Hr Tw - bps; B:Ag Va; C: MB - pt; B: Te.
- 10d 08h 43m (42-45) bp; A: Fr - (ssc: A: Me).
- 10d 13h 45m (45) bp; B: Mb Ka Ky.
- 10d 14h 23m (20-27) b: A: Pe - bp; B: PM Wk DU; C: Tf - bps; A: Kn.
- 10d 14h 57m (55-60) b: A: Su; B: Ir Kv.
- 10d 18h 03m (17 47-15 17) b: A: SF; B: CF - bs; A: Ma Pe Ks - bp; A: Mc Hr; B: Wi Kv? Db Eb; C: Wk - bps; A: Mo Ni Cm Pr Fü; B: Kn Wn Vl Tf Kg -(ssc: A: Mw - si: A: Nu Od).
- 10d 21h 01m (00-04) bp; B: Wn Fü; C: Kv?.
- 11d 01h 52m (47-53) b: A: Pe - bp; B: Vl Eb Hr - bps; A: Te Hu; B: Ma - pt; B: Wn Fü CF; C: Cm.
- 11d 11h 11m (10-12) bp; C: Mb Ka Ky.
- 11d 12h 05m (00-10) b: B: Ir - pt; A: Me.
- 11d 21h 30m (30) b: A: Pe - bp; B: Vl.
- 12d 02h 12m (05-25) b: A: Pe Mc Bi; C: MB - bp; A: Pa; B: Va Hr Tw - bps; B: Ag Hu Mw.
- 12d 15h 14m (1016) bps; B: Wk - pt; A: Fü; B: Mb Ka PM; C: Tk Ky Hu.
- 12d 17h 02m (02-03) bp; B: Wk - (si: B: So).
- 12d 23h 35m (32-38) b: B: SM; C: Mb - bp; B: Bi Hr - bps; A: Ag.
- 13d 14h 24m (15-32) bp; C: PM - pt; A: To; B: Gn; C: Mb Ka Ky.
- 13d 23h 45m (42-50) bp; A: Ma; B: Do Fü CF Bi; C: Pe - pt; B: Es St Wn Od Md Eb MB; C: Cm.
- 14d 20h 20m (18-21) bps; B: Mw - pt; B: Cm TI.
- 14d 21h 48m (46-49) bp; C: Eb Pe - pt; B: Cm Fü Od TI - (ssc: B: Mw - si: A: Tr).
- 15d 02h 51m (48-59) bp; B: Mw - bps; A: Ag; B: Fr - pt; B: CF SM MB PM Va; C: Cm.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(APRIL)

16d 20h 37m	(33-39) bp: B: Wn Vl Pr Fü CF Eb Ti - pt: B: Cm Ma Od Tf Tk Pe.
16d 20h 52m	(52) bp: B: Kv?; C: Pe.
17d 02h 33m	(30-40) b: A: SF - bs: A: Fr - bp: A: Ci TC; B: St Wn Ha Ma Fü CF Lg Aq Md IK Eb Tl SM Mc Bi Hr; C: Pr Pe - bps: A: Ag; B: Vl Mb Va - pt: B: Cm; C: Hu.
18d 03h 13m	(10-17) bp: B: Vl CF; C: Eb - pt: B: SM MB PM Hu Va; C: Cm.
18d 13h 45m	(36-50) bp: B: Sr To Am - pt: C: Ka.
18d 19h 53m	(50-55) bp: A: Pr Kg; B: Do Nu Mo Wn Kv? Ma Fü CF Hr; C: Pe - pt: B: Cm Bi - (ssc: B: Tr So).
19d 01h 53m	(01 46-02 05) b: A: Ni SF; B: Tl - bs: A: Fr - bp: A: Fü Ci; B: Es Ha Ma Db CF Aq Eb Pe SM TC Bi; C: Kv? - bps: A: Pr; B: Le Wn Vl Lg Ag - pt: A: MB; C: Mc.
19d 23h 43m	(38-46) bp: B: Lg IK Eb Bi; C: Md Pe - pt: B: Wn Cm Ma Fü CF Od Aq; C: MB - (ssc: B: Mw).
21d 17h 02m	(00-05) bp: A: PM To; B: Ir DU - bps: A: Gn Am; B: Mb Pe Ka Ky Hn.
21d 23h 40m	(39-40) b: B: Hr - bs: B: Pe - bp: B: Lg.
22d 03h 11m	(07-16) b: A: Pe Te.
22d 08h 14m	(11-16) bs: B: Wk - (sfe: Es Ma?).
22d 15h 05m	(05) bp: C: Mb Ka Ky.
22d 15h 50m	(50-51) b: A: Pe - bp: C: Wk.
22d 20h 59m	(20 56-21 15) b: A: Pe; B: Ir; C: Wk - bp: B: Kv?.
22d 22h 03m	(02-04) b: A: Pe - bp: B: Kv? CF Od Lg Tf Eb Tl Bi.
23d 06h 50m	(50) bp: A: Te - bps: C: Hu.
24d 11h 58m	(55-60) b: A: Tr - (sfe: Od Mc?).
24d 13h 10m	(07-14) bp: C: PM To DU - pt: C: Mb Ka.
24d 18h 18m	(16-20) bp: B: Tk PM Gn Wk; C: TI.
25d 06h 29m	(28-30) bs: B: Tu - bp: A: Te - bps: C: Hu - (ssc: A: Ag).
25d 10h 25m	(19-33) bp: B: Ho Ap To - bps: A: Me Am.
26d 07h 36m	(36) bp: B: To - bps: C: Vi.
26d 07h 58m	(07 55-08 03) b: A: Tw - bs: B: Tu - bp: A: Te.
26d 21h 28m	(21-32) bp: B: Do St Ma CF; C: Eb Pe - pt: A: Fü; B: Cm Od Aq Tf Tk Md IK Bi; C: Mc - (ssc: A: So - si: B: Mw).
27d 04h 16m	(13-20) bps: B: Ag - pt: C: MB.
27d 09h 05m	(00-10) bp: B: Ho To Am - pt: B: PM.
27d 19h 51m	(50-52) bp: B: Es Wn Vl Kv? Kg; C: Md Wk.
28d 13h 57m	(13 54-14 05) b: B: Ir - pt: A: Gn; B: Mb Ka Ky.
28d 14h 39m	(38-40) b: B: Ak - bp: A: Ks?
28d 15h 00m	(00) bp: B: To Wk; C: Kv? - pt: A: Fü.
28d 20h 30m	(25-39) bp: B: CF Od Eb Bi Hr; C: Md Pe - pt: A: Fü; B: Es St Wn Cm Ha Aq Ti - (ssc: A: Tr So).
28d 20h 50m	(48-52) bp: B: Vl IK Mc; C: Kv? Pe - bps: B: Ks - (si: B: Mw).
29d 13h 09m	(07-10) bp: B: PM Ap To - pt: B: Mb Gn; C: Ka Ky.
29d 13h 46m	(43-49) bp: B: Wk DU - bps: A: Am.
29d 19h 20m	(15-25) b: A: To - bp: B: Gn; C: PM Wk - pt: B: Wn Cm Fü TI; C: Mb Ka Ky.
30d 00h 01m	(29 23 58-30 00 03) bp: B: Vl Eb Fr SM - bps: B: Ag - pt: A: St Fü MB; B: Wn Cm Ha Ma CF Lg Aq Md Pe TI Bi Hu.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(APRIL)

30d 16h 55m (16 40-17 12) b: B: Ak - bp: B: Ir Kv? TI Kg - pt: A: Fü; B: Wn Cm Od Mb Eb Ka Ky Gn Wk.
 30d 19h 02m (00-04) bp: B: Kg; C: Kv? Tf.

MAY

01d 00h 18m (16-19) bp: B: Ma CF - pt: C: Cm MB.
 01d 00h 53m (00-41-01 07) b: A: SF TC - bp: A: Fü; B: Le Wn Vl Pr Lg Eb Tl Pe SM MB Mc Hr Kg; C: Ha Kv? - bps: A: Ag; B: Es Md.
 01d 19h 45m (37-47) bp: B: Ma TI - pt: A: Fü; B: Wn Cm CF Aq Md Eb Pe Qu Bi (ssc: A: Tr).
 01d 20h 12m (08-20) b: A: Pe - bp: B: Kv? Od Kg - bps: B: Mw.
 02d 06h 08m (06-09) bp: C: Vi - pt: A: Am - (si: A: Me).
 02d 06h 23m (20-25) bs: C: Tu - bp: B: Va - bps: A: Hu; B: Ag - pt: C: MB.
 02d 16h 13m (10-15) b: A: Pe TC Bi - bs: B: Od - bp: B: Vl Tk; C: Tf PM - pt: B: Mb Ka Ky - (sse: IK MB).
 02d 17h 03m (16 57-17 06) b: A: TC; B: Ak - bp: A: IK; B: Kn Mo Wn Kv? Ma Pr Fü Tk Kg Wk - pt: A: Cm TI Bi; C: Tf - (ssc: B: So).
 02d 21h 55m (50-57) bp: C: Pe - pt: B: Wn Cm Ma Fü Od Ti.
 02d 22h 19m (18-20) bp: B: Pe - pt: B: Ti.
 03d 09h 36m (34-39) b: A: Wk - bp: B: Te DU.
 03d 12h 34m (30-37) b: A: Bi - bp: B: Sr Mb Ka Ky Hn Wk DU - bps: A: Gn To Am; B: Gu PM - pt: A: Me Fü; B: Md Pe MB Hu; C: Cm.
 03d 19h 15m (10-25) bp: B: Gn Kg Wk - pt: A: Fü Ti; B: Wn Cm Ha Ma Od Aq Tf Md Pe Qu; C: Hu - (ssc: A: Tr).
 03d 20h 13m (09-15) b: A: Bi - bs: B: Ks - bp: A: So Kv?; B: Nu Wn Vl Db Pr Fü CF Lg Aq Tf Md IK Eb Pe - bps: B: Hl Mw - pt: A: Cm; B: Ma Ti; C: Ha - (si: A: Tr).
 04d 06h 32m (31-35) bs: B: Ag - bp: A: Tu - bps: A: Me; B: Vi Fr Hu - pt: B: Wn Te.
 04d 21h 42m (38-50) bs: A: Tr; B: Hl - bp: A: So IK Pe Tn; B: CF Su Mc Bi Wk; C: Ma Eb - bps: A: Nu Ks; B: Le Es Vl Lg Mw; C: Md - pt: A: Cm Ha Fü Tk TI MB; B: Wn Wi Od Mb Aq Tf Ci SM Ka Ky Qu; C: Hu - (si: B: Mo).
 05d 03h 19m (16-23) bs: B: TC - pg: B: Me.
 05d 06h 29m (25-32) bps: C: Si Ag Hu - pt: B: Te.
 05d 22h 09m (04-12) bps: C: Mw - pt: A: Ma; B: Wn TI MB Bi; C: Ha Pe - (ssc: A: Tr).
 06d 16h 38m (27-45) bp: B: Kn - bps: B: Mo - pt: A: Me; C: Mb Ka.
 06d 17h 00m (00) bp: B: Ir Kv?
 06d 17h 47m (40-54) bp: B: Ti - pt: A: Fü; B: Wn Cm Ma Pe Bi - (si: B: Kg).
 06d 18h 50m (50) bp: B: Kn - bps: A: Mo.
 06d 22h 03m (00-10) bs: A: Ks; B: Pe - bp: B: Kv? CF Bi - bps: A: Pr Fü; B: Kn Mo Wn Vl Ma Lg - pt: B: Cm - (ssc: A: Tr).
 08d 00h 47m (45-49) b: A: SF Mc - bp: B: Ma CF Eb Tl SM Bi Hr; C: Pe - bps: A: Lg; B: Es - pt: B: Wn Cm Fü Od Aq Md MB; C: Ha.
 08d 01h 01m (00-02) bp: B: Pe; C: Kv? - pt: C: MB.
 08d 04h 27m (25-29) b: A: SF Ap Mc; B: Qu; C: Hu - (si: A: Te; C: Mb Ka Ky).
 08d 21h 55m (21 36-22 20) b: A: SF; B: Ak Tn - bs: A: Ks - bp: A: Nu Kv? Pr Fü Od Su IK Pe; B: Do Wn Wi Ha Ma Db CF Lg Aq Md Eb Ci Tl SM Ti Qu Bi Kg Wk; C: Tf Pe Hr - bps: B: Hl Vl Mw - pt: A: MB; B: Es Cm; C: Hu - (si: A: So).
 10d 02h 58m (55-60) bp: B: Lg Pa Hr; C: Tl - bps: A: Ag; B: Fr MB - pt: B: CF.
 11d 16h 05m (02-12) bp: A: Gn To; B: Mb Ka Ky Gu Hn PM; C: Wk.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(MAY)

- 11d 18h 01m (00-03) bp; B: Vl - pt; A: Cm; B: Wn Bi - (si: A: Tr So; B: Lg).
- 11d 21h 45m (44-49) bs; B: Tr - bp; B: Wn Vl Pr Fü Eb Pe - bps; B: Lg Mw - pt; A: Ma; B: Cm Od Aq Md Bi - (si: A: So).
- 12d 09h 37m (37-38) bps; A: Me - pt; B: PM.
- 13d 04h 27m (21-35) bp; B: SM - pt; A: Te; B: TI MB; C: Hu - (ssc: B: Me).
- 13d 11h 56m (53-60) bp; A: Ap; B: Ho To DU; C: Mb Ka Ky - bps; A: Am.
- 13d 20h 30m (30) bp; B: TI Hr - pt; B: Qu Gn.
- 13d 20h 59m (58-60) bp; A: Fü; C: Eb Pe - pt; B: Cm Ma CF IK Tn.
- 13d 21h 27m (18-36) b; B: Hl Ak - bp; A: Pr Tk; B: Wn Vl Be Od Qu Kg; C: Tf - bps; A: Kn Mo; B: Mw.
- 13d 21h 57m (21 49-22 02) b; A: Kv? Su SF - bs; B: Mc - bp; A: Ma IK; B: Vl CF Tl Pe Bi - bps; A: Lg; B: Es Eb - (si: A: Mw; B: Ha).
- 14d 20h 23m (11-29) b; B: Ak - bp; B: Wn Vl Kv? Ma Pr Fü CF Od Aq Md Eb Pe; C: Ha - bps; A: Mw; B: St - pt; B: Cm IK TI; C: MB.
- 14d 22h 32m (27-38) b; A: Pe SF Mc Bi - bp; B: Vl Eb Hr - pg; B: Me.
- 15d 02h 17m (15-20) b; C: Hu - bp; C: Hr.
- 15d 07h 14m (05-18) bp; A: Te; B: Ir Am; C: Vi Mb Ka Ky - bps; A: Me; C: Hu.
- 15d 07h 38m (34-42) bps; B: Ho - pt; B: Me - (sfe: Te).
- 15d 13h 52m (52) bp; C: Kv? - bps; B: Hl.
- 15d 17h 43m (40-45) bs; B: Do Hl - bp; B: Ma Lg Eb Tl Ky Bi Kg Wk; C: Mb Tl Ka - bps; A: Pr Fü IK Mw; B: Wn Vl Od Md Pe - pt; B: Cm; C: Hu - (ssc: A: So).
- 15d 18h 04m (00-10) b; Ak - bp; A: Gn; B: Kv?; C: Pe.
- 15d 18h 25m (23-26) b; B: Hn - bp; B: To DU.
- 16d 05h 04m (00-08) bp; B: Hr; C: Es Tu - pt; A: MB; B: Pa Va; C: Cm Ag - (ssc: A: Me).
- 16d 09h 20m (20-22) bs; B: Sr - bp; C: Mb Ka Ky.
- 17d 22h 13m (06-16) bs; A: Tr - bps; B: Mw - pt; A: Lg Md Tl Ks; B: Cm Fü Od Aq Pe; C: Tf.
- 19d 08h 08m (06-10) bp; A: Te; B: Vi Ap To - bps; A: Me? Fr Tu Am; B: Ho - pt; A: Tl; B: PM; C: Mb Ka Ky - (ssc: B: Si).
- 19d 11h 36m (30-39) b; B: Be - bs; B: Hl - (sfe: MB?).
- 19d 20h 48m (44-56) b; C: TC - bs; A: Ks - bp; A: Tn; B: CF IK Bi; C: Kv? Pe - pt; A: Tl; B: Cm Ma Fü Od Eb; C: Tf Hu.
- 22d 02h 08m (07-10) bps; B: Ag - pt; B: MB Bi.
- 23d 03h 33m (33-34) bp; B: Mw - pt; B: Va.
- 25d 21h 43m (37-49) bp; C: Pe - pt; B: Ma CF IK.
- 25d 22h 51m (50-53) bp; C: Pe - bps; B: Mw - pt; A: Cm Fü Lg MB Tn; B: Ma CF Aq SM Bi.
- 26d 23h 14m (10-25) bp; B: Vl - pt; A: Ma Fü; B: Wn Cm CF Lg IK Eb Pe MB Bi Tn; C: Mc?
- 27d 14h 28m (20-35) bp; A: Gn; B: Wk - pt; B: Mb Tf Ka Ky PM.
- 27d 14h 54m (50-59) bp; B: Ir - pt; B: PM.
- 27d 21h 07m (05-12) bp; B: Bi; C: Kv? Pe - pt; A: Ma Fü; B: Es Wn Cm CF Od Aq Md IK Ci MB; C: Ha Hu.
- 27d 21h 34m (33-39) bp; B: Vl CF Lg Eb Tl Pe Wk - bps; B: Mw - pt; B: Wn Ha MB; C: Hu - (ssc: B: TC).
- 28d 12h 53m (53-54) bp; C: Mb Ka Ky.
- 28d 17h 51m (50-52) bp; B: Ir To Wk; C: Kv? - bps; A: Gu; B: Mb Ka PM; C: Ky.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(MAY)

28d 21h 09m (09) b: A: Pe - bp: B: Tf; C: Kv?
 28d 22h 03m (01-06) bp: B: Wk - bps: B: Mw.
 29d 03h 17m (08-30) bps: B: Ag - pt: A: Me Te; B: TI PM; C: Hu.
 29d 07h 41m (38-42) b: B: Fr - bp: A: Te; C: Vi - (si: A: Me).
 31d 05h 08m (04-12) b: A: Ap - (ssc: Sw).
 31d 10h 40m (38-45) bp: A: To; B: Ka Ky PM - bps: A: Sr Am - pt: A: Ks.
 31d 21h 50m (46-53) b: A: Ci SF Mc - bs: A: Nu Es Ks; B: Do Hl Db - bp: A: St IK Tl;
 B: Ni CF Tf Bi Hr - bps: A: Ma Fü Lg Pe; B: Kn Wn Wi Vl CM Ha Kv
 Aq Md Eb

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01d 10h 55m (50-60) b: C: Ir - pt: A: Me.
 01d 19h 35m (34-36) bp: B: Kg Wk - pt: A: Fü; B: Wn; C: Tk - (ssc: B: So - si: A: Tr).
 01d 20h 04m (04) bp: C: Kv? - pt: B: TI.
 01d 20h 35m (35-36) bp: B: TI - bps: B: Mw.
 02d 09h 12m (10-15) bp: B: DU - pt: A: Me.
 02d 18h 40m (33-42) bp: B: Kn - pt: A: Fü; B: Od Pe; C: Cm Tk - (ssc: B: Tr).
 02d 19h 07m (18 56-19 13) bp: B: Gn Kg Wk; C: Kv? DU - bps: B: Mw - pt: B: Tk.
 02d 21h 29m (20-36) bp: B: Ma Eb Pe Mc Bi - bps: B: Mw - pt: A: Fü; B: Es Wn Cm
 Od.
 02d 21h 55m (55) bp: C: Kv? - pt: C: MB.
 03d 13h 56m (52-60) b: A: Tr - pt: B: PM; C: TI Ky.
 03d 15h 38m (37-40) bp: B: PM To Wk; C: Mb Ka Ky - bps: A: Gn; C: Gu - pt: B: Tk ;
 C: TI.
 03d 21h 26m (25-27) b: B: Tn - pt: B: Ma Fü CF; C: Cm.
 03d 21h 41m (39-42) bp: B: Od TI; C: Pe - bps: A: Mw.
 04d 00h 40m (28-60) b: A: SF; B: Tn - bs: A: Ks - bp: A: Pr Fü Lg Aq Ci Tl Pe TC Mc
 Hr; B: Le Es St Wn Wi Vl Ha Ma Db CF Od Md Eb Kg - bps: A: Mw; B:
 Hl Ag MB - pt: B: TI.
 04d 11h 57m (11 56-12 06) bp: B: Sr - pt: B: Mb Tl Ky PM; C: Vi Ka.
 04d 12h 24m (2029) bp: B: Ir PM Ap DU; C: Wk.
 04d 15h 05m (05-06) bp: C: Mb Ka Ky.
 04d 19h 00m (00) bps: B: Mw - pt: C: Ma.
 04d 19h 58m (55-60) b: A: Tn - bp: B: Bi Hr; C: Tl - pt: B: Mu - (ssc: B: Tr - si: A: Mw).
 04d 20h 19m (13-29) b: A: Pe Mc; B: Od - bp: B: Wn Pr Eb; C: Tf - pt: C: Mu.
 04d 22h 12m (08-22) b: A: Tn; B: Ak - bs: A: Ks - bp: A: Fü; B: Vl Ma Lg Tl TI Bi Hr;
 C: Tf - bps: A: Od; B: Wn Md; C: Pr - pt: C: Cm.
 04d 22h 40m b: A: Pe SF Mc.
 05d 07h 49m (42-56) bp: C: Vl DU - bps: A: Me.
 05d 18h 42m (35-53) b: A: Tn; B: Be - bs: B: Hl - bp: A: Tk Wk; B: Mo Wn Vl Pr Fü Tf
 Pe Tl Qu Hr Kg; C: Cm - (si: A: Mw).
 05d 19h 12m (05-18) b: B: TC - bp: B: Ir Kv? DU - (ssc: B: Tr).
 05d 23h 29m (25-35) bs: A: TC; B: Ag - pt: C: Cm - (si: A: Tl?; C: Lg).
 06d 10h 52m (bp: B: PM; C: Mb Ka Ky To - bps: C: Gu.
 06d 18h 47m (44-50) bp: B: Kg; C: Kv? - pt: C: Tk Mu.
 06d 20h 56m (20 47-21 04) b: A: TC - bp: B: Vl - bps: B: Mw - pt: A: Ma Fü; B: Es Wn
 Cm CF Od Aq Md Eb Pe Ti; C: Ha Tf .
 06d 21h 20m (20) bp: B: Vl - pt: B: Wn TI; C: Tk MB.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(JUNE)

07d 18h 11m	(09-13) bp: C: Kv? Kg - pt: A:Tf; B: Pe; C: Cm - (ssc: C: Tr).
07d 20h 30m	(26-44) bp: B: Hr - pt: A: Fü; B: Wn Cm Ha CF Lg Md Eb Pe Bi; C: MB.
09d 03h 54m	(53-55) b: A: Ag - pt: C: Hu.
09d 23h 25m	(23-35) bs: A: Mc - bp: A: Fü; B: Ma Tl Bi Kg - bps: A: Lg; B: Vl Hr - pt: B: Cm - (si: Wn).
09d 23h 52m	(47-60) bp: B: Kn; C: Kv? - bps: A: Pe; B: Mo - pt: C: To - (ssc: B: TI TC - sfe: Te).
11d 04h 03m	(02-05) bps: B: Ag - pt: C: Hu.
11d 20h 01m	(19 58-20 04) bs: A: Tr - pt: B: Fü Pe; C: TI Hu.
12d 06h 55m	(63-60) bp: A: Ag - pt: A: Me; B: Te; C: Hu.
12d 14h 30m	(30-31) bp: B: Wk DU.
12d 15h 00m	(00) b: C: Ir - bp: C: Kv?
13d 07h 29m	(25-31) bp: B: Ag DU; C: Ho - bps: A: Me.
14d 04h 33m	(30-35) bp: B: Ag Va; C: Hu - pt: B: MB.
14d 18h 01m	(00-02) bp: C: Wk - pt: C: Tf.
15d 01h 31m	(27-35) b: B: TC - bp: B: Ag Hr - bps: B: Fr - pt: B: Ma Pe.
15d 03h 26m	(bp: B: Hu Hr - bps: A: Va; B: Ag Fr.
15d 18h 48m	(40-60) b: B: Db Lg Tl - bs: B: Hl - bp: A: Fü; B: St Wn Vl Be Kv? Od Eb Pe TI Hr Kg Wk; C: Cm Ha - bps: A: Pr; B: Es Mw.
16d 01h 02m	(00 55-01 15) b: A: SF; B: TC - bs: B: Hl - bp: B: Le Es Vl Ha Db Fü CF Lg Eb Ci Ti Mc Bi; C: Kv? Pe Kg - bps: B: Ks Mw - pt: C: Cm MB.
18d 00h 35m	(33-36) bp: B: TI - pt: B: Od Pe Tn.
18d 01h 07m	(00-20) b: B: Qu - bp: A: IK Tn; B: Hl St Wn Vl Ma Db Fü CF Od Eb Mc Bi; C: Kv? Tf Pe Kg - bps: B: Lg Ks Mw - pt: B: Cm Ci MB; C: Hu.
19d 16h 46m	(42-55) bp: C: Wk - pt: B: PM Gn; C: Ky.
21d 11h 43m	(40-47) b: A: Pe; B: Od.
21d 13h 52m	(50-58) bp: B: DU - pt: A: PM Gn; B: Mb Ka Ky; C: Hu.
21d 17h 33m	(30-37) b: A: Pe; B: Ak.
21d 19h 02m	(18 49-19 13) bp: A: Gn; B: Ir Fü TI Kg; C: Kv? Pe - pt: A: Tk; B: Wn Cm Ma Tf Ks Ky PM Tn; C: Mb Ka Ky - pg; C: Qu - (ssc: B: So).
21d 19h 31m	(27-36) bp: B: Od Tf Tk.
22d 04h 29m	(25-32) b: A: SF; B: Tu - bs: A: Fr; B: Ag - bp: A: Hu Va; B: Hr - bps: B: Tw - pt: A: Me.
22d 19h 06m	(03-10) bp: B: Bi - pt: C: Tk.
23d 03h 46m	(45-48) bp: A: Te; C: Hu.
23d 08h 00m	(00) b: B: Od - pt: C: Hu.
23d 08h 43m	(43-44) bps: A: Am - pt: B: PM.
23d 13h 05m	(04-06) bp: B: DU; C: PM.
23d 19h 05m	(00-15) b: A: SF TC; B: Tl Ak - bs: A: Ks; B: Es - bp: A: Mo Kv? Fü Od Lg Tf Md IK TI Wk; B: Kn Ir Cm Ha Ma CF Aq Eb Pe Qu Hr DU - bps: A: Pr; B: Do Wn Vl Db - (ssc: B: Mw).
23d 23h 37m	(36-39) bp: B: Hr - pt: B: CF.
24d 03h 04m	(03-04) bp: B: DU - (si: Hl).
24d 09h 59m	(09 56-10 02) bp: B: PM Ap DU - bps: A: Am - pt: A: Me.
24d 17h 53m	(50-60) bp: A: Gn; B: Kv? Wk; C: Gu - pt: A: Fü; B: Cm Ma Tk; C: Hu.
24d 21h 53m	(51-56) bp: B: CF; C: Kv? Pe - bps: B: Lg - pt: B: St Wn Cm Ma Od Aq Eb; C: Hu.
25d 05h 12m	(10-14) bps: B: Ag - pt: C: Hu.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

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25d 11h 30m (30) bp: C: PM DU.
 25d 19h 07m (06-08) bp: C: Kv? Wk - pt: B: Tf Pe; C: Hu.
 26d 16h 06m (02-09) b: A: Pe - bs: B: TC - pt: B: Mb Ka Ky Gn.
 26d 17h 39m (39-40) b: A: TC - bs: B: Pe.
 26d 20h 06m (05-07) b: A: Pe Bi - (sfe: Hu).
 27d 07h 03m (02-05) bps: A: Te Hu; B: Va; C: Vi - (ssc: A: Me).
 27d 07h 35m (30-40) bp: C: Tu - pt: B: PM.
 27d 18h 41m (40-42) b: B: TC - bp: C: Wk.
 27d 19h 05m (05) bp: B: Ir; C: Kv?
 27d 21h 24m (22-26) bp: B: Vl - pt: C: Cm.
 28d 05h 52m (50-56) bp: A: Te; B: Hu; C: Hr.
 28d 09h 22m (20-30) bp: B: Ir; C: Mb Ka Ky.
 28d 18h 46m (46) bp: C: Kg Wk.
 28d 21h 54m (21 49-22 01) b: A: Ak Tn - bp: A: Fü Lg Eb Tl; B: Wn CF TI Bi Hr; C: Kg - bps: B: Do Db Pr - pt: B: Cm Ma Pe.
 28d 22h 14m (10-20) b: A: SF TC - bp: A: IK Pe Mc; B: Ma MB - bps: A: Od Ks; B: Vl Ha - (si: A: Mw; C: Es).
 29d 14h 24m (15-33) b: A: Pe; B: Ir - bp: B: Od.
 29d 20h 19m (14-22) bs: A: So - bp: C: Eb Pe - bps: B: Mw - pt: A: Fü; B: Wn Cm CF Tf Md.
 30d 05h 32m (31-34) bp: A: Te - bps: B: Tw - pt: B: PM.
 30d 08h 33m (20-46) bp: B: Od PM; C: Vi Mb Ka Ky - (si: B: Sr).
 30d 16h 39m (18-53) b: A: SF; B: Ir Aq Ak - bs: B: Hl - pt: A: Fü Tf IK Pe Ks; B: Wn Wi Ni Vl Ha Ma Pr Tk Qu Kg; C: Cm - bps: A: Mo Od; B: Kn Be Kv.

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01d 03h 51m (50-53) bps: B: Hu Va.
 01d 08h 29m (28-30) bp: B: Tu Ho - bps: B: Te; C: Vi - pt: A: Me; B: Hu.
 01d 10h 53m (45-56) bp: A: Ap; B: Sr Mb Ho To; C: Ka Ky - bps: A: AM; B: Gu PM.
 01d 16h 22m (20-24) bp: A: Wk - pt: A: Fü; B: Tk.
 01d 23h 39m (29-41) bp: B: Vl CF - pt: A: Ma Eb Lu; B: Sr Es Wn Cm Aq IK Pe MB Bi Hu.
 02d 10h 21m (20-23) bp: B: To; C: PM.
 02d 17h 30m (22-35) bp: A: Gn; B: Wk; C: Ir Kg - pt: A: Fü Qu; B: Cm Ma Od Tk Pe TI; C: Mb Ka Ky.
 02d 20h 05m (04-06) bp: B: Wn Pr CF Eb; C: Pe - pt: A: Fü; B: Es St Cm Ma Od Aq TI; C: Ha Hu - (ssc: B: So - si: A: Tr).
 02d 20h 44m (41-52) bp: B: Eb Tn; C: Pe - bps: A: Mw - pt: A: Ma Fü; B: Wn Ha CF Aq; C: Hu.
 03d 14h 26m (22-29) bp: B: Wk - pt: B: PM Gn; C: Hu To.
 03d 22h 16m (16-17) bps: B: Mw - pt: B: Ma.
 04d 20h 28m (08-34) b: A: Su SF Tn; B: Sw Ak TI - bp: A: Nu Ci Mc Lu Hr Wk; B: Kn Mo Wi Cm Tf Qu Bi Kg; C: Tk - bps: A: Ha Ir Fü CF Od Lg Aq IK Eb TI Pe Ks Mw; B: Do St Wn Ni Vl Be Kv Ma - pt: C: Hu - (ssc: A: Tr So; B: Es).
 05d 03h 25m (20-34) bp: A: Te; B: Tl Pa Hr; C: Eb - bps: A: Lg Hu; B: MB Va-pt; A: Fü; B: Wn CF Pe Lu; C: Cm - (ssc: B: Ag).
 05d 20h 15m (11-20) bps: A: Mw - pt: C: Hu.
 06d 17h 12m (10-14) bp: A: Wk; B: Mw.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(JULY)

- 06d 22h 33m (30-37) b; B: TI - bps; B: Mw - pt; C: MB.
- 07d 09h 10m (05-15) bs; B: Ag - bps; A: Me.
- 07d 17h 41m (40-45) b; B: Ak - bp; B: Gn - bps; B: Wk - PT; A: Cm Ma Fü CF Aq Eb; B: Wn IK Pe PM Bi; C: Hu - pg; A: Qu.
- 07d 18h 47m (45-49) bps; B: Mw - pt; A: Fü; B: Wn Cm IK Pe Bi.
- 07d 22h 33m (30-42) b; A: SF; B: Lg Tn - bs; A: Ks - bp; B: Vl Ma Fü CF Od IK Eb Tl Pe Bi Lu Hr; C: Ha - bps; A: Mw; B: Le - pt; B: Wn Cm; C: MB
- 08d 03h 03m (02 51-03 11) bp; C: Eb Hu - bps; B: St - pt; B: MB Bi Lu Tw.
- 10d 13h 39m (33-44) bp; B: Gn Wk DU; C: To - bps; A: Am - pt; B: PM.
- 10d 17h 29m (25-31) b; A: Pe SF; B: Ak - bp; A: Tf.
- 11d 06h 43m (38-46) bp; B: Pe - pt; B: Me; C: Hu.
- 12d 05h 27m (25-30) bp; A: Te; B: Tu; C: Vi - bps; A: Ag Fr Hu; B: Va Tw - pt; A: MB Am; B: Eb Ci Pe; C: Cm.
- 13d 00h 56m (53-57) bp; C: Ma Pe - bps; B: Mw - pt; B: CF Aq Eb; C: Cm MB Hu.
- 13d 17h 16m (10-20) bp; A: Gn; B: PM To DU; C: Mb Ka Ky Wk.
- 13d 21h 22m (20-23) bp; B: Wn Ha Pr Fü CF Eb; C: Ma - pt; B: TI.
- 14d 19h 49m (49-50) b; B: TI - bps; B: Mw.
- 14d 21h 36m (30-50) b; A: Su; B: Sw Ak - bs; B: Hl - bp; A: Ha Pr Fü IK Pe Qu; B: Do Wn Vl Ma Db CF Lg Aq Tf Eb Tl Mc Bi Lu Tn Hr Kg Wk; C: Cm Tk - bps; A: So Nu Od Ks Mw; B: Be; C: St - pt; B: TI MB; C: Hu.
- 15d 16h 35m (35-36) b; B: Hl - bp; C: Tf.
- 15d 19h 42m (37-45) bp; B: Eb; C: Tf - pt; C: Cm.
- 15d 20h 00m (00) bp; B: Vl; C: Hr.
- 15d 21h 01m (20 54-21 04) bp; B: Lg Eb Mc Bi - pt; A: Fü; B: Wn Ma CF TI.
- 17d 12h 23m (19-35) bp; C: DU - pt; B: Mb Tf Ka Ky PM Lu Gn Wk; C: Hu.
- 17d 15h 08m (08-09) bp; C: Wk DU.
- 18d 00h 39m (30-47) b; A: Tr - pt; B: Bi Lu; C: MB.
- 18d 19h 28m (26-30) bp; B: Kg; C: Wk - pt; B: IK TI; C: Tk.
- 19d 18h 54m (43-55) bp; B: Gn Kg - pt; A: Fü; B: Od Mb Tk IK Eb Pe Ka Ky Qu Bi PM; C: Cm?
- 19d 19h 27m (26-30) b; C: Ir - pt; B: Wn Cm Fü; C: Tk.
- 19d 19h 43m (42-45) bp; B: Mo Wk - bps; A: Gn - pt; C: Tk.
- 19d 20h 24m (23-28) bs; A: Tr - bp; A: Pr IK; B: Wn Vl Ma Fü Wk; C: Eb - bps; B: Mw - pt; A: Cm; B: CF Tk Bi Lu - (si: B: Es).
- 20d 00h 39m (36-41) b; A: SF - bp; A: Tl Pe Mc; B: Ma Fü CF Od Lg Aq Eb Bi Lu Hr - bps; A: Pr; B: Wn Vl Ha - pt; C: Cm.
- 20d 17h 00m (00) bp; C: Wk - pt; A: Cm; B: Wn.
- 20d 19h 37m (36-38) bps; B: Mw - pt; A: Ma Fü; B: Wn Cm Od Aq Pe; C: Hu.
- 21d 03h 35m (33-36) bp; C: Hu - pt; B: MB - (si: A: Me).
- 21d 17h 15m (10-17) b; A: Su; B: Sw - pt; C: Mb Ka Ky.
- 21d 17h 34m (27-50) b; A: Pr Wk; B: Wn Fü Ak - bp; A: Gn; B: Do Vl Be Ma Eb Kg; C: Db Hr - bps; B: Mw - pt; B: Tf Tk Pe PM.
- 22d 21h 29m (27-30) bp; B: Do Wn Vl Db Fü CF Lg Eb; C: Ha - bps; B: Mw - pt; B: Ma Pe TI; C: Cm Hu.
- 22d 21h 47m (45-48) bp; B: Tl Lu Hr - pt; B: MB.
- 23d 17h 36m (33-40) bp; B: Wk - pt; B: Lu.
- 24d 18h 07m (00-20) b; A: Su; B: Ak - bs; A: IK Gn - bp; B: Kn Mo Ir Tf Wk DU - bps; C: To - (si: B: Ks; C: Pe - sfe: Ho).

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(JULY)

24d 23h 56m	(54-60) b: A: Pe - bs: A: Mo - bp: A: Pr; B: Vl Db CF - bps: B: Wn.
25d 03h 47m	(45-49) bp: A: Te - bps: B: Hu.
25d 11h 12m	(11-12) bp: C: Mb Ka Ky.
26d 00h 20m	(20-21) b: A: SF - bp: B: Pa.
26d 04h 35m	(30-40) bp: B: Hr - (ssc: A: Mw).
26d 17h 57m	(17 52-18 02) bp: C: Cm - (si: A: Mw).
26d 21h 31m	(30-33) b: B: Be - bp: B: Eb Bi Hr.
27d 00h 14m	(03-31) b: B: SJ - bp: A: Pr Hr; B: CF Aq IK Eb Pe Bi Kg - bps: A: Me pt: B: MB Lu - (si: A: Mw).
27d 15h 03m	(14 50-15 15) b: A: Fü Su; B: Wn Ak TI - bp: A: Tf IK Wk; B: Sr Ir Ni Vl Cm Qu; C: Mb Ka Ky - bps: A: Kn Mo Pr Od Pe Ks.
27d 15h 31m	(28-35) bps: B: Db - pt: B: Me.
27d 17h 15m	(15-16) bs: A: Pr; B: Wn.
27d 21h 11m	(10-12) bps: A: Mw - pt: B: Mu - (sfe: Te).
28d 06h 42m	(40-45) bp: A: Me; B: Ho.
28d 15h 39m	(35-46) b: A: Pr SF; B: Wn Sw - bp: A: Wk; B: Vl Be Kg; C: Gu - pt: B: TI.
28d 20h 40m	(37-41) bp: B: Wn Vl Pr Fü CF Eb Hr - bps: A: Mw - pt: A: Cm Ma Aq; B: IK Wk - (ssc: B: Tr So).
29d 01h 18m	(00-34) b: A: Te; B: Hu - bp: A: Pr; B: Wn Ag Fü; C: Hr - bps: B: Le.
29d 06h 54m	(54-55) b: A: Te - bs: A: Me - bp: C: Tu Ho.
29d 16h 07m	(02-16) b: A: Od - bp: B: Ir Ma Tk Gu Wk; C: Mb Ka Ky PM - bps: A: Gn.
29d 20h 57m	(54-60) b: B: Hl TI - bp: B: Be; C: Tf.
30d 05h 27m	(25-30) b: C: Hr - pt: B: Me.
30d 22h 04m	(00-08) bps: B: Mw - pt: B: TI.
30d 23h 29m	(25-34) bp: B: Le Wn Db Pr Fü CF Eb MB Mc Kg; C: Pe - bps: B: Hl St Mw - pt: A: Ha Ma Lu Tn; B: Cm Aq Ci Ks; C: Hu.
31d 18h 02m	(00-04) b: A: Gn - bp: B: Wk.
31d 20h 33m	(33) bps: A: Mo; B: Kn.
31d 20h 57m	(50-60) b: B: TI - bp: B: Wk - bps: A: Kg Mw; C: Hr.

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01d 01h 21m	(14-29) bs: A: SF - bp: A: Lg Tl Lu; B: Eb Bi - bps: A: MB; B: Vl - pt: B: Ma CF Pe; C: Cm - (si: A: Mw).
01d 08h 54m	(62-60) bp: A: Te; B: Mb Ka Ky DU; C: Vi - bps: A: Am - pt: C: PM.
01d 13h 58m	(58-59) bp: B: Wk DU.
01d 19h 16m	(13-26) bp: B: Wn Vl Kv? Pr Fü Kg; C: Tf Eb - bps: A: Mw - pt: A: Ma; B: Cm TI.
01d 22h 51m	(50-53) bp: B: CF - pt: A: Ma Fü; B: Cm TI.
01d 23h 20m	(10-28) b: A: SF; B: Sw Ha Ak Tn - bs: A: IK - bp: A: Kv? Fü Eb Tl Mc Lu; B: Wn Wi Ni Pr Aq Ci TI MB Bi Kg - bps: A: Mo Od Lg Mw; B: Kn Vl Cm Db Tf Pe Qu.
02d 04h 12m	(12) bs: C: Hu - bp: B: Tu - bps: A: Me.
02d 11h 14m	(13-17) bp: C: To - pt: A: Me; B: Lu PM; C: Mb Ka Ky.
02d 11h 36m	(35-39) bp: C: Ho - bps: A: Me; B: Am.
02d 15h 43m	(42-46) b: B: Ak - bp: B: Tk Kg; C: To - bps: B: Gn Wk - pt: B: PM.
12d 18h 44m	(42-45) bs: A: Tr - bp: A: So - bps: A: Mw - pt: B: TI.
02d 19h 44m	(44) bp: C: Kv? Wk.
03d 04h 09m	(06-15) b: B: Te; C: Tu.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(AUGUST)

03d 11h 41m	(39-43) bp: A: Ap; B: To; C: Mb Ka Ky Ho - bps: A: Am; B: PM; C: Gu.
03d 12h 02m	(00-03) bp: B: DU; C: Wk - (ssc: C: Tk).
03d 17h 00m	(00) bp: B: Od; C: Kv?
03d 20h 33m	(20-45) b: B: Sw; C: Ak - bp: B: Vl Db - bps: B: St - pt: C: TI Wk.
03d 21h 03m	(20 57-21 05) b: A: IK Pe - bs; B: Od - bp: B: Lg Tf; C: Kv? Tl Wk.
04d 02h 56m	(55-58) bps: B: Ag - pt: B: MB.
04d 22h 22m	(20-22) bs: B: Tr - pt: A: Ma Fü; B: Wn Cm Od Aq IK; C: MB - (ssc: B: So).
05d 02h 24m	(15-30) bp: B: Vl Lg Eb Ci - bps: B: Ag Tl MB Va - pt: A: CF; B: Es Ma Aq Pe; C: Cm.
05d 06h 35m	(34-35) bp: A: Ap; C: Ho - bps: A: Me; B: Ag Fr - pt: B: MB.
05d 10h 25m	(22-30) bp: B: DU; C: Mb Ka.
06d 20h 12m	(10-13) bp: B: Wn Vl Ha Pr Fü; C: Eb - bps: A: So; B: Kg Mw - pt: A: Ma; B: Es Cm CF Bi - (ssc: B: Tr?).
06d 23h 50m	(43-52) bp: B: CF Bi; C: Kg - bps: B: Es - pt: A: Ma; B: Eb; C: MB.
07d 00h 21m	(20-23) b: A: Pe ; bp: A: Lg; B: Lu - bps: A: Hu Fü; B: Wn Eb - pt: B: Cm; C: MB.
07d 03h 49m	(48-50) bp: B: Te - bps: B: Hu.
07d 13h 08m	(05-13) bp: B: PM Wk DU; C: Mb Ka Ky - pt: A: TI.
07d 21h 15m	(13-19) bs: A: So; B: Tr - bp: A: Lg; B: Es Kv? Db CF Eb - bps: A: Fü; B: Wn Vl Ha - pt: B: TI.
07d 21h 32m	(32) b: B: Tn - bps: A: Mw.
08d 01h 30m	(15-36) b: A: Su IK SF Tn; B: Ha Ak TI Qu - bs: A: Od Pe Ks - bp: A: Lg Te; B: Eb Bi Kg; C: MB - bps: A: Tf Tl Lu Mw; B: Kv - pt: C: Hu.
08d 07h 55m	(48-60) b: A: Te - bp: A: Sr; C: Mb Ka Ky.
08d 16h 14m	(13-16) bp: B: Wk - (ssc: B: TC).
08d 22h 19m	(06-26) b: A: Od Pe; B: Wn Pr IK - bp: B: Vl; C: Tf.
09d 01h 38m	(38-39) bp: A: Pr; B: Wn - pt: B: CF.
09d 02h 00m	(00) b: A: Su - bps: A: Mw.
09d 08h 07m	(06-09) bp: A: Sr; C: Mb Ka Ky.
09d 10h 00m	(09 58-10 06) bp: B: DU; C: Mb Ka Ky - bps: A: Sr.
09d 16h 37m	(36-39) bps: C: Wk - (sfe: Te).
09d 20h 18m	(16-20) bs: A: Tr - pt: B: Ma - (sfe: Te).
09d 21h 00m	(20 57-21 02) bp: B: Bi - pt: A: Fü; B: CF Eb Lu; C: Cm MB.
09d 23h 29m	(26-37) bp: B: Bi - pt: B: Ma Fü CF Lu.
10d 11h 51m	(11 46-12 05) b: A: Gn; B: Ir - bp: C: Mb Ka Ky.
10d 15h 57m	(15 51-16 05) b: A: Pe; B: Sw Ak TI - bp: A: Wk; B: Tf Kg; C: Kv?
11d 02h 15m	(15) bp: C: Ag - pt: C: MB.
11d 19h 30m	(27-37) bp: A: Kg; B: Hl Be Tn; C: Tk - pt: B: Wn Ks Bi.
12d 04h 25m	(22-27) bps: C: Ag - pt: B: Hu - (si: Hl).
12d 05h 24m	(18-30) b: B: Me - pt: A: Te; C: Hu.
12d 22h 01m	(01) bp: C: Kv? - bps: B: Mw.
13d 23h 20m	(18-20) bp: B: Tl Lu; C: Aq - bps: A: Lg; B: Eb Pe Ks.
13d 23h 37m	(20-60) b: A: Tr - bp: A: So; B: Do Bi Lu Tn Kg Mw; C: Kv? - bps: B: Le Es Od - pt: A: Ma Fü Mc; B: Wn Cm Ha CF Aq IK Eb Ci Pe Ks MB.
14d 03h 12m	(09-19) bps: B: Ag - pt: A: Te; B: Va; C: MB Hu.
14d 17h 43m	(42-43) bp: B: Gn - pt: B: PM; C: Mb Ka Ky.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(AUGUST)

14d	23h 10m	(04-12) bp: B: CF Lg Tl Mc Bi Lu - pt: C: MB.
15d	01h 49m	(45-53) bp: B: Eb Bi - pt: B: MB.
15d	07h 53m	(50-56) bp: A: To - bps: A: Am.
15d	16h 44m	(16 35-17 02) bs: B: Wk - bp: A: Mo; B: Kn.
15d	20h 33m	(31-34) bp: C: Eb - pt: A: Cm Fü CF; B: Ma IK Qu.
15d	21h 22m	(22) b: C: Ak - bp: C: Kv?
15d	23h 35m	(33-36) b: C: Kg - bs: B: Bi; C: Mc - bps: B: Lg Tl Lu.
16d	06h 25m	(21-30) b: A: Od Te - bps: A: Ag.
16d	19h 10m	(06-12) b: B: Ak - bp: B: Kg; C: Ir Kv? - bps: B: Mo - (ssc: A: Tr).
16d	21h 50m	(49-51) bps: B: MB - pt: B: Wn CF Eb; C: Es Cm.
16d	22h 08m	(06-10) b: B: TC - bs: A: Mc - bp: C: Kv?
17d	19h 24m	(24) bp: B: Wk; C: Kv?
17d	21h 10m	(10-11) bp: A: Ks - pt: B: Lu.
17d	21h 41m	(33-51) b: A: Od Eb Tl SF Lu; B: Hl Ak - bs: A: Mc - bp: B: Wn Ni Ma Db Bi - bps: A: Pr Lg IK; B: Mo.
17d	22h 05m	(05) B: A: TC - bp: B: Kv?
18d	08h 51m	(51) bp: C: Mb Ka Ky
18d	15h 55m	(15 48-16 09) b: A: Pe; B: Ak - bp: A: Kn Mo; B: Kv?; C: Mu - pt: B: Mb Ka; C: Ky.
18d	23h 58m	(23 52-24 05) b: A: Nu IK; B: Hl Sw - bp: A: Kn Mo Kv? Tl Lu; B: Wi Ni Ha Ma CF Aq Pe Bi Va Kg; C: MB - bps: A: Es St Pr Ag; B: Le Wn Vl Be Lg Eb Mc - pt: C: Cm.
19d	03h 12m	(10-15) bp: A: Te - pt: C: Hu.
19d	05h 20m	(20) b: A: Te - bps: A: Ag.
19d	22h 27m	(26-29) bp: B: Do CF; C: Eb - bps: B: Lt - pt: A: Fü; B: Es Ma AqPe Lu; C: Cm Ha.
20d	12h 55m	(54-56) bp: B: To - pt: B: PM MI; C: Mb Ka.
20d	13h 30m	(30) bp: C: PM - pt: C: Hu.
20d	23h 10m	(07-19) b: A: Tn; C: Ak - bs: A: Tr Nu - bp: A: IK; B: Wn Sw Vl Ha Ma Pr Fü CF Aq Eb Tl Mc Bi Lu; C: Tf Pe - bps: A: Lg; B: Do Es Hl St Mw - pt: B: Cm - (ssc: B: So - sfe: Od).
21d	00h 05m	(03-08) b: B: Tn - bp: B: Kv? Eb.
22d	00h 24m	(22-26) bp: A: Lg Tl; B: Es CF Eb Kg; C: Ma - bps: A: Fü Mw; B: Vl Va - pt: B: Lu; C: Cm MB - (ssc: A: TC).
22d	00h 47m	(44-50) b: A: Pe; B: Tn - bp: A: Nu - bps: A: Fr; B: Wn - (si: A: Es).
22d	06h 46m	45-46) bp: A: Od; B: Vi; C: Mb Ka Ky.
22d	19h 35m	(33-37) bp: B: Be; C: Cm.
22d	20h 26m	(17-30) b: A: IK Pe Tn; B: Sw Ak - bp: A: Fü Lg Qu; B: Wn Kv? Pr Eb - bps: A: Od Ks.
23d	18h 11m	(08-15) bp: B: Vl; C: Kv? - bps: B: Mw.
24d	02h 11m	(08-15) bp: A: Te - pt: C: Hu.
24d	03h 33m	(31-35) bps: A: Me - pg: A: Mw.
24d	06h 50m	(40-56) A: SF Gn; B: MB - bs: A: Ag - bp: A: Od Te; B: Mb Ka Ky Ho.
24d	12h 56m	(12 51-13 10) b: A: Ir - bp: A: Wk; B: PM DU; C: Kv? - bps: A: Kn Gn; B: Mb Ka Ky.
24d	16h 43m	(43) bp: C: Kv? - bps: A: Wk.
24d	17h 18m	(17-20) bs: B: TC - bp: A: Wk; C: Kv?
25d	00h 11m	(05-16) b: B: MB; C: Hu - bp: B: Lg Tl Lu; C: Kv? - bps: A: Ag.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(AUGUST)

25d 14h 00m (00) bp: B: Gn; C: Mb Ka Ky Wk.
 25d 16h 38m (32-40) bp: B: Kg Wk; C: Db Mb Ka - bps: A: Gn - pt: C: Ky.
 25d 17h 15m (09-30) b: A: Pe - bp: B: Vl Fü TI Mw; C: Kv? Db Tf - pt: B: IK.
 25d 20h 18m (18-20) bp: B: CF; C: Eb - bps: B: Mw - pt: A: Fü; B: Es Wn Ma IK Lu; C: Cm.
 25d 21h 10m (03-20) b: A: Od Su IK Pe Mc; B: Sw - bp: A: Tf; B: Vl Lg TI Wk; C: Kv?
 25d 23h 27m (23-29) bp: B: Va - bps: B: Ag - pt: A: Es St Ma Fü MB; B: Wn Cm CF IK Eb Ci Pa Lu.
 27d 17h 25m (24-27) bp: C: Gn - pt: B: PM; C: Tf Tk.
 27d 21h 50m (47-52) bp: C: Pe - pt: B: Le Es Wn Cm Ma Fü Od Eb Bi Lu; C: MB Hu.
 28d 02h 38m (32-40) bps: B: Ag - pt: A: MB Lu; B: CF Ci Pa Tw; C: Cm Hu - (si: Hl).
 28d 13h 48m (46-50) bp: B: DU - pt: B: Gn.
 28d 15h 09m (03-18) bp: B: Gn Wk DU; C: Ka - pt: B: Mb Ky To.
 28d 17h 24m (24-25) bp: B: Wk - pt: C: Hu.
 29d 04h 53m (52-54) bp: A: Te - bps: C: Hu - (ssc: B: Me).
 29d 15h 10m (09-11) bp: B: To; C: Mb Ky.
 29d 19h 29m (16-40) b: A: Pe; B: Tn - bp: A: Ha Pr Fü; B: Wn Vl Ma CF Tf IK Eb; C: Wk - bps: A: Lg Od Ks Mw; B: Tl - pt: B: Cm; C: Hu - (ssc: A: So).
 30d 13h 33m (26-36) bp: A: Kn; B: Mb Ka Ky Gn To; C: Gu - bps: B: PM.
 30d 13h 54m (13 45-14 05) b: A: Pe Ak - bp: A: Mo Ir Qu; B: Kv? TI Kg Wk DU - bps: B: Tf.
 30d 17h 54m (53-55) bp: B: TI - pt: B: Ma.
 30d 18h 18m (11-36) b: A: Su Pe SF TC Bi; B: Ak; C: Ir - bs; B: Db - bp: A: Fü Od Tf; B: Vl Ha Kv / Ma Pr Lg Eb Lu Kg - bps: B: Es Tl Mw - pt: B: Wk; C: Cm.
 30d 20h 09m (05-14) bps: B: Wn - pt: B: TI.
 31d 00h 30m (21-37) bp: A: Lg Tl; B: Ha Fü CF IK - bps: A: Pr; B: Wn Vl - pt: B: Es Cm Ma Eb Lu - (ssc: A: SF).
 31d 11h 52m (51-54) bp: B: Mb Ka; C: Ky - bps: A: Am.
 31d 20h 18m (07-28) b: B: Sw IK - bp: B: Wn Kv? Pr Fü CF Eb; C: Tf - bps: B: Od - pt: B: Cm Aq.

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01d 01h 21m (14-34) b: A: Pe SF TC; B: Sw Be MB; C: Hu - bp: A: Me Tl; B: Lg; C: Kv? Eb - (ssc: B: Mw).
 01d 06h 00m (05 57-06 04) b: A: Te - (ssc: A: Me).
 01d 08h 36m (32-40) b: A: TC - bps: C: Ha - (ssc: B: Es - si: C: Wk - sfe: Vl).
 01d 12h 31m (27-36) bp: B: TC - (si: Hl).
 01d 17h 15m (00-30) b: A: Pe SF TI - bp: A: Ks; B: Kv? Ir Ky PM Hr Wk; C: Mb Ka - bps: A: Kn Mo Mw; B: Wn Vl Pr - (ssc: B: Ak - si: A: So).
 01d 19h 30m (28-32) bp: B: Pr Eb - bps: A: Mw.
 02d 02h 21m (20-22) bps: B: Kn - pt: B: Tw.
 02d 02h 38m (35-46) bp: C: Hr - pt: A: Lu - (si: A: Me; B: Co).
 02d 13h 01m (00-05) b: B: Ir - bp: B: Kv? DU - bps: A: Kn Mo.
 02d 20h 16m (11-21) b: A: Pe; C: Ir - bp: B: Kv? Wk - (si: B: Mw).
 03d 01h 36m (36) bp: B: Lg Tl.
 03d 01h 55m (55-56) b: C: MB - bp: B: TC.
 03d 10h 17m (13-31) b: B: Te Hn - bp: A: Vi Mb Ka Ky Ho PM DU - bps: A: Sr Gu To Am - pt: C: Hu.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

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03d 14h 14m	(08-24) bp: B: Kn Mo Wk; C: Kv? - pt; A: Mb Ka; C: Ky.
03d 18h 34m	(26-45) b: A: Su Pe SF; B: Ha - bs; B: Ir Eb - bp; A: Pr Hr; B: Wn Ni IK Wk; C: Kg - bps; A: Mo Lg Ks; B: Db - (ssc: A: So).
03d 19h 05m	(00-08) bp: B: Kv?; C: Mu - bps; A: Kn Wk.
03d 22h 21m	(18-25) bp: B: Kg - bps; A: Mo.
03d 22h 48m	(46-50) b: A: Pe Bi - bs; B: Es - bp; B: Hr - bps; A: Kn.
04d 05h 16m	(16) bps: B: Hu - (si: A: Te).
04d 10h 08m	(00-12) bp: B: Gu; C: Mb Ka Ky - pt; A: Me.
04d 16h 11m	(08-21) b: A: Pe - bs; B: Hl Db - bp; A: Wk; B: Wi Ni Hr Kg; C: Kv? Mb Eb Ka Ky - bps; A: Vl Ha Ma Pr Fü Qu; B: Mo Wn Cm Od Lg - ssc: A: So; B: Ak - si; A: Es St; B: Tl TC).
04d 19h 00m	(18 58-19 02) bp: C: Eb Hr - (si: B: Tr?).
04d 22h 11m	(10-12) bp: B: Tl; C: TC - pt; B: Es Fü Eb; C: Ma Hu.
04d 22h 36m	(35-37) bp: B: CF Lg - bps; A: Tl; B: TC Lu - pt; B: Wn Cm.
05d 03h 06m	(05-10) b: B: Sw Be - bs; C: TC - bP: A: Tl; B: Wn Vl Fü CF Lg; C: Kv?
05d 08h 14m	Hu.
05d 14h 28m	(13-16) bp: B: To; C: Vi - bps; A: Am; C: Ho.
05d 23h 39m	(27-50) b: A: Su IK Pe Ks TC BI; B: Hl Sw Be Db MB Tn - bp: A: Fü Od Eb Mc; B: Es Ha Kv? CF Tf Lu Hr Kg; C: Cm TI - bps; A: Lg Tl - (si: A: So).
06d 06h 28m	(25-33) b: A: Te; B: Pa - bs; A: Ho SJ Hu; B: Va - bp; A: TC Mc; B: Lu-bps; A: Sr Am.
06d 10h 46m	(40-52) b: A: Od - bp; A: To; B: Mb Ka Ky Gu PM Gn DU - bps; A: Sr.
06d 11h 05m	(00-10) b: B: Ir - pt; A: Me.
06d 18h 19m	(17-21) b: B: Sw Be Db Fü - bs; B: Hl Wn - bp; B: Vl Pr.
06d 19h 01m	(00-02) bp: A: Mw; B: Mu.
06d 23h 53m	(44-55) b: A: IK; B: Hl Sw - bs; A: Db Mb; B: Bi - bp; A: Pr Ci; B: Ma Fü CF Aq; C: Kv? - bps; A: Es St Vl Ha Fü Lg; B: Wn Eb Hr - pt; B: Cm - (si: A: Mc Lu; B: Pe Va).
07d 02h 42m	(35-55) b: B: Sw; C: Hu - bp; A: Me TC MB; B: Wn Eb Pa Va Hr - bps; B: Ag Lg - pt; B: Ma.
08d 02h 13m	(00-30) b: B: Db - bp; B: Wn Vl Eb Bi Kg; C: Ha Pe Mc - bps; A: Lg Mw - pt; B: Ma Lu; C: Hu.
08d 02h 42m	(42) bp: B: Fü - pt; B: Cm.
08d 02h 59m	(02 56-03 02) b: A: MB - bp; C: Kv? - pt; C: Hu.
08d 07h 34m	(33-40) b: A: Te SJ - bp; B: Od Hu - (si: A: Me).
08d 22h 59m	(22 54-23 02) b: A: MB Mc Bi Lu; B: Tn - bs; B: Tr.
08d 23h 51m	(42-54) bp: A: Tl; B: Ha CF Lg Ci; C: Kv? - pt; A: St; B: Wn Cm Ma Fü Od Aq E' MB; C: Hu.
09d 04h 55m	(54-57) bp: C: Ag Hu.
09d 11h 25m	(20-28) bp: A: To; B: Mb Ka Ky Gu PM? Am Du - pt; B: Gn; C: Hu.
09d 18h 52m	(49-56) bs: B: Hl - bp; B: Eb; C: Kv?
09d 22h 01m	(21 44-22 21) b: A: Fü Pe Mc; B: Hl - bs; A: Ks; B: Pr - bp; A: Tl TC; B: Wn Vl Ha Db CF Od Lg Eb TI Bi Hr; C: Cm Kv? - pt; B: Wn Ma.
10d 02h 45m	(45) bp: B: Hr - pt; B: Es.
10d 03h 09m	(04-12) bps: A: SJ Hu; B: Ag - (si: B: Te).
11d 21h 24m	(23-25) bs: A: Tr - pt; A: Fü; B: Cm Ma Pe.
12d 06h 51m	(47-54) bp: B: Ho - bps; A: Fr Te - (ssc: B: Vi).

TABLE 2a BAYS AND PULSATIONS 1962 - continued

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12d 16h 20m	(20) bp: B: Kv? - bps: A: Kn; B: Mo.
12d 18h 01m	(17 50-18 10) bp: B: Hr Wk - bps: B: Kn Mo.
12d 18h 46m	(46) bp: B: Eb - pt: B: Cm.
12d 19h 33m	(27-45) b: B: Ir - bp: A: Mo; B: Eb - bps: A: Kn - pt: B: Cm - (ssc: A: Es - si: A: Le Pr; B: Wn).
12d 22h 36m	(34-39) bs: A: Db IK - bps: A: Ha Ma Fü Lg TI Hr; B: Wi Cm CF Eb Qu - (ssc: A: Es; C: Ni - si: A: Tr Le Pr Pe Lu; B: Wn).
13d 16h 59m	(56-60) bp: B: Qu - bps: B: Kn Mo - pt: C: Wk.
14d 17h 30m	(30) bp: B: Kv? - bps: B: Mw.
13d 19h 09m	(06-11) bp: A: Lg - bps: C: Cm - pt: B: Fü.
13d 19h 26m	(23-36) b: A: Pe SF Qu Mc; B: Ak - bs: A: IK Ks; B: Db Bi - bp: A: Fü; B: Ha Kv? Ma CF Hr - bps: B: Kn TI - (si: A: Es Lu).
14d 17h 28m	(26-29) bp: C: Kv? Wk - pt: B: Tk; C: Mb Ka Ky.
14d 19h 07m	(06-11) bp: B: Tl - pt: A: Fü; B: Cm - (ssc: A: Tr; B: So).
14d 21h 27m	(25-29) bp: B: Lg Mc; C: Eb - pt: B: Wn Fü CF.
15d 00h 35m	(35-36) bs: B: Vl - bp: B: Wn Pr; C: Eb - pt: B: Fü CF Aq Pe; C: Cm.
15d 03h 25m	(20-27) b: A: Te - bs: A: SJ; B: Va - bp: B: Vl Pa Hr - bps: Me Hu; B: Ag.
15d 06h 14m	(13-15) b: A: Od Te - bps: A: Ag.
15d 19h 48m	(45-52) bps: A: Mw - pt: B: CF.
15d 21h 26m	(25-27) bp: A: Tl; B: Lg.
16d 10h 10m	(09-12) bs: C: Ho - bp: B: Ap - bps: A: Am - pt: B: PM.
16d 14h 55m	(51-59) bp: B: Gn; C: PM.
16d 19h 40m	(32-45) b: B: Sw - bs: B: Hl - bp: A: Fü Tl; B: Es Wn Ha Ma Db Pr CF Od Lg Aq Eb - bps: A: St Mw; B: Do Vl - pt: B: Cm.
17d 12h 14m	(10-20) bp: B: DU - pt: B: PM; C: Mb Ka Ky DU.
17d 18h 43m	(40-46) bp: A: So - pt: A: Fü; B: Cm Ma Od Tk; C: Mb Ka Ky Hu Wk.
17d 21h 56m	(21 52-22 12) bs: B: Tr - bp: B: Lg Tl TC - pt: A: St Fü; B: Wn Cm CF Aq Pe Bi Lu; C: Eb MB Mc.
18d 21h 23m	(20-27) bp: A: Nu; B: Vl Ma Fü CF Eb - bps: B: Mw - pt: A: Ks; B: Es? Wn Cm Od Aq IK Pe Ti Qu Mc Lu Wk; C: Ha MB Hu - (ssc: B: Tr).
19d 01h 16m	(14-19) bp: B: Lg Tl; C: Eb - pt: B: MB.
19d 16h 00m	(00) b: C: Ak - bp: C: Kv?
19d 18h 35m	(17-50) b: A: CF Su Pe Ak SF Wk - bs: A: OL - bp: A: Ni Fü Tf Hr; B: Eb - bps: A: Kn Mo Ma Pr Lg TI Mw; B: Wn Vl Ha Kv Db Tl - (si: A: Nu Od).
19d 21h 51m	(45-57) bp: C: Hr - bps: A: Lg - pt: B: CF.
21d 13h 43m	(43) bp: B: PM; C: Mb Ka Ky.
21d 13h 54m	(54-55) bp: A: Ap; C: DU.
21d 15h 13m	(08-15) b: B: Ak - bp: A: Tf Qu Wk; B: Ir Od Mb Ka Ky PM - pt: B: Lu.
21d 21h 05m	(00-06) bp: B: Wn Vl Pr Fü CF Od Eb Tl; C: Kv? Pe - bps: B: Lg - pt: B: Cm.
21d 23h 48m	(46-48) bp: B: Vl CF Eb - pt: B: Wn Ha Ma Fü Pe; C: Cm MB.
22d 10h 20m	(15-30) bp: A: To; B: Mb Ka Ky PM DU - bps: B: Sr - pt: A: Me; B: Hu.
22d 13h 22m	(19-23) bp: A: Wk; C: PM - pt: B: Mb Ka Ky:To.
22d 16h 53m	(48-55) b: A: Pr; B: Wn - ip: A: Fü Kg - bps: B: Kn Mo.
22d 17h 22m	(22) bp: C: Kv? - bps: B: Mw.
22d 19h 53m	(43-60) b: A: Od - bp: A: Fü Lg; B: Wn Ha CF Tf Eb Tl Pe Mc Bi Lu Hr - bps: A: Pr IK Mw; B: Es Vl - pt: C: Cm.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

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- 23d 00h 46m (46-47) bp: A: Tl; B: Lg.
 23d 04h 20m (17-24) bp: C: Hu - bps: A: Te; B: Ag - (si: A: Me).
 23d 22h 45m (42-55) b: B; Hl Sw - bp: A: Ma IK; B: CF Ci Mc; C: Pe - bps: A: So Es Vl Pr Fü Lg Eb Tl Bi; B: Do Le St Wn Ha Db Aq Lu; C: Kv- pt; A:Cm; C: MB Hu.
 24d 17h 55m (54-56) bp: A: So - pt; A: Fü TI Qu; B: Wn Cm Ma CF; C: Hu.
 24d 20h 40m (40-41) bp: A: Es; B: Vl.
 25d 14h 35m (35-36) bp: C: Wk - pt; B: PM.
 26d 01h 19m (19) bp: C: Kv? - bps: A: Mw.
 26d 03h 19m (18-20) bps: B: Pa - (si: A: Te).
 26d 15h 48m (15 30-16 05) b: A: CF Su Aq Pe SF; B: Sw - bp: A: Nu Fü Od Tf IK Ks Qu TC Gn Mw; B: Kn Mo Wn Wi Ha Kv? Ma Db Mb Eb Ka Ky Kg Wk; C: Cm - bps: A: Es Pr Tl TI; B: Hl Vl Be Fü Lg.
 26d 19h 27m (15-41) b: A: Pr Od Pe; B: Wn Be; C: Ma - bp: A: Nu; B: Kn Mo Vl Kg; C: Tf Hr - bps: B: Hl - (ssc: A: So).
 26d 20h 37m (37) bp: B: Kv? - bps: B: Mw.
 27d 00h 57m (55-60) b: C: MB - bp: C: Hr - pt: B: Sr.
 27d 10h 59m (10 52-11 04) bp: B: PM DU; C: Gu - pt: C: Mb Ka.
 27d 21h 53m (48-55) bp: B: Db CF Lg Eb Mw - pt: B: Wn Ha Fü Aq TI Qu Bi Lu; C: Hu Wk.
 27d 22h 13m (12-15) bp: B: IK Pe Mc; C: MB.
 28d 01h 50m (45-55) bp: B: Ag - pt: B: Tw.
 28d 02h 11m (08-15) b: A: Me - bp: C: Tu Hu.
 28d 16h 47m (44-50) bp: B: Be - bps: B: Hl.
 28d 21h 59m (21 45-22 07) bs: A: Tr? - bp: A: Pr; B: Do Hl Wn Vl Db Fü Lg; C: Kv? - pt: A: Ma; B: Aq Eb Pe TI; C: Cm - (ssc: B: So).
 28d 22h 22m (18-24) bp: A: Tl TC; B: Es Ha CF Eb Bi Mw; C: Pe - pt; B: Ci Ti; C: MB.
 29d 06h 27m (24-30) bp: B: Te; C: Hu.
 29d 07h 27m (22-32) b: B: Ak - bp: A: Mw.
 29d 10h 23m (19-30) b: B: Ak - bp: A: Ap; B: DU; C: Mb Ka Ky - pt: B: Ks.
 29d 13h 10m (09-10) bp: B: Mb Ka Ky Gu Gn; C: DU - bps: B: PM.
 29d 20h 22m (18-27) b: B: Ak - bp: C: Tf.
 29d 21h 11m (07-20) b: A: Nu Od SF Mc; B: Sw - bs: A: Es; B: Hl MB - bp: A: IK; B: Ma CF Aq Eb Pe Mu Bi Lu Hr Kg - bps: A: Mo St Ha Fü Lg Tl TC; B: Kn Vl Be Db Pr - pt; B: Cm; C: Hu - (si: Wn).
 30d 01h 47m (45-49) b: B: Mc - bp: A: Pr; B: Wn CF Eb Tl Lu; C: Hr - bps: B: Fü.
 30d 14h 12m (10-13) bp: C: Mc - pt: B: Ma - (si: C: Hu).

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- 01d 00h 58m (00 55-01 06) b: C: TC - bp: A: Tl; B: Ma Lg; C: Kv? - pt: A: Fü; B: Wn Cm CF Eb TI MB - (ssc: A: Mw).
 01d 02h 08m (08) bp: B: Wk; C: Kv?
 01d 08h 09m (07-12) b: A: Te - (ssc: B: Ci).
 01d 11h 25m (19-30) bp: A: To; B: Wk DU - bps: B: Kn Mo - (sfe: Ir).
 01d 15h 28m (27-30) bp: B: Mu - bps: B: Wk.
 01d 16h 22m (18-28) b: A: Pe - bs: B: Ir - bps: B: Kn Mo.
 01d 19h 44m (32-46) b: A: Pe SF; B: Ak - bs: B: Qu - bp: A: Fü; B: CF Kg - bps: A: Pr Od Lg; B: Kn Mo Wn Vl Kv Eb Tl TI Wk; C: Cm.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(OCTOBER)

- 01d 20h 00m (00) bp: Bi - bps: A: Mw.
 01d 20h 45m (45-46) b: A: TC - bp: B: Ma.
 01d 22h 16m (07-24) b: A: IK Pe - bp: B: Bi; C: Kv? - bps: A: Od Lg; B: TI - pt: B: Wk.
 02d 00h 20m (20) bp: A: Tl; B: Mu.
 02d 07h 20m (20-21) bp: A: Te; C: Vi.
 02d 16h 31m (27-41) b: A: Pe Kg; B: WnPr Fü Ak - bp: A: IK; B: Cm Tf Qu Wk - bps: B: Kn Mo Tl.
 03d 13h 18m (16-20) b: A: SF - bp: B: IK Gu PM.
 03d 13h 37m (35-40) b: A: Gn - bp: C: Wk - bps: B: Hl.
 03d 18h 44m (42-46) b: A: Pe; B: Sw.
 03d 22h 07m (05-09) bp: B: Vl CF TI.
 03d 22h 23m (20-26) bp: B: Fü Eb Tl Mc Bi; C: Kv? - bps: A: Lg - pt: C: Ha MB.
 04d 16h 08m (05-14) bp: C: Wk - pt: B: TI; C: PM.
 04d 22h 14m (10-17) bs: A: Db; B: Hl Be TC - bp: B: CF IK Ci - bps: A: Do Es Ha Lg Tl; B: Wn Wi Vl Kv Ma Fü Eb; C: Pr - (si: A: SF Tn; B: Cm Aq).
 05d 15h 47m (46-47) bp: C: Wk - bps: B: Gn - pt: B: PM.
 05d 16h 03m (03) bp: B: PM; C: Kv?
 05d 19h 28m (26-31) bp: A: Fü Lg TL TC; B: Wn Wi Vl Ma Pr CF Eb Ci; C: Ha-bps: B: Es Db - pt: B: Cm Aq.
 05d 19h 59m (19 48-20 17) b: A: Su Tk; B: Ir Sw Ak MB - bs: A: Ks Gn; B: Hl - bp: A: Nu Kv? Tf IK; B: Sr Pe Ti Ky Bi Wk; C: Cm - bps: A: Kn Mo Od Qu; B: Be - (si: Le).
 06d 01h 18m (17-19) bp: B: Vl Tl.
 06d 02h 07m (00-16) b: A: Ks; B: Ak TI TC - bp: C: Kv? - bps: A: Mw.
 06d 12h 55m (54-56) b: A: Tr - (si: Hl - sfe: MB?).
 06d 13h 32m (20-41) b: A: Od - bp: A: Ap To Am; B: PM - bps: A: Si - pt: B: Gn.
 06d 21h 58m (21 50-22 07) b: A: Pe; B: Sw - bp: A: So St Tn; B: Vl Kv? Ma. Fü CF Od Lg Tf Eb Tl TI; C: Mc - bps: B: Le Hl Mw - pt: B: Wn; C: Cm.
 06d 22h 44m (42-46) b: B: Tn - bp: B: Eb Bi.
 07d 09h 11m (07-14) bp: B: Sr PM To; C: Vi DU - bps: A: Ap Am; B: Ho - (sfe: TI Mc).
 07d 16h 36m (30-47) bp: B: Gn To Wh - pt: A: PM; B: Od; C: Cm MB - (ssc: B: So; C: Es - si: A: Lg; B: Fü? Tl; C: Ha Eb).
 07d 22h 01m (00-02) bs: B: Vl - bp: A: Fü; B: Wi Kv? Eb - pt: A: Cm Ma; B: Pe - (ssc: A: Le - si: Wn).
 08d 01h 37m (35-40) bp: B: Wi - bps: B: Vl.
 08d 17h 34m (25-40) b: A: Pe; B: Ir - bp: B: IK Kg Wk - bps: A: Kn Mo; B: Be - (ssc: B: Nu).
 18d 18h 14m (13-15) bp: B: Kv?; C: Mu - pt: B: CF MB.
 08d 23h 49m (47-51) bp: C: Kv? - bps: B: Va - pt: B: CF.
 09d 23h 39m (34-42) bp: A: Tl TC; B: Lg - bps: C: MB - pt: A: Cm; B: Ma CF.
 10d 12h 02m (11 53-12 15) bs: A: Nu; B: Ir PM - bp: B: Wk DU - bps: A: Sr - pt: B: To.
 10d 16h 05m (05-06) bp: B: Be; C: Kv? - pt: C: Wk - (si: Hl).
 10d 18h 31m (22-42) b: A: Pe SF; B: Sw - bs: A: Ks; B: Es Wn Db Pr - bp: A: Fü TC; B: Wi Ni Ma; C: Ha Kg - bps: A: Nu Mw; B: Kn Mo Vl Be Cm Lg - (ssc: A: So - si: A: Tr).
 10d 19h 19m (19) bp: B: Kv? Wk.
 10d 22h 21m (21) bp: C: Kv? - bps: B: Mw.
 11d 03h 44m (42-45) bs: B: Ag - bps: A: Te; B: Va; C: Hu - (ssc: A: SJ).

TABLE 2a BAYS AND PULSATIONS 1962 - continued

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- 11d 16h 59m (59-60) b: C: Ak - bp: C: Kv? - pt: C: Wk.
 11d 18h 43m (42-44) bp: B: Wn Vl Ma Fü CF Eb; C: Pr - bps: C: Kv - pt: A: Cm Wk - (si: A: Es).
 11d 20h 08m (04-16) bp: B: Lg Eb Tl; C: Kv? - bps: A: Mw.
 11d 21h 04m (02-05) b: A: Mc - bp: B: Eb Bi - (si: A: Mw).
 12d 21h 22m (22-23) bps: A: Tr - pt: A: Fü; B: Cm Ma -(ssc: B: So).
 13d 12h 12m (03-16) bp: A: Gn; B: Ir PM Ap To; C: Wk DU - bps: B: Sr.
 13d 19h 57m (57) bp: B: Kv? - bps: B: Mw.
 14d 18h 05m (00-10) b: B: Wn - bp: A: Mw; B: Vl Kv? Ma - (si: A: Tr).
 15d 10h 27m (27) bp: B: To - pt: B: PM.
 15d 15h 18m (12-24) bs: B: Hl - bp: A: Gn; B: PM; C: Kv? To - pt: B: Tk Wk.
 15d 16h 26m (23-28) b: A: Pe; B: Ak - bs: B: Hl - bp: A: IK; B: Vl Db Fü Wk; C: Kv? - bps: A: Gn - pt: C: Tf.
 16d 10h 12m (07-23) b: A: SF - bp: A: MI; B: Ma Wk - (ssc: Fü - si: Be).
 16d 10h 39m (38-40) b: A: Ag - bp: A: Ho To; B: PM - bps: A: Gn - (ssc: A: Me).
 16d 10h 53m (48-60) bp: B: Kn DU; C: Vi - bps: A: Sr Ap Am - (sfe: Ir).
 16d 13h 12m (05-18) b: B: Ir - bp: B: Kn; C: DU.
 16d 18h 58m (18 50-19 01) b: A: Su; B: Sw - bp: B: Wi CF; C: Ma - bps: A: Do Nu Kn Fü Qu; B: Wn Vl Lg Mw; C: Db - (ssc: A: So).
 16d 19h 00m (18 49-19 05) b: B: Ak - bs: A: Mo - bp: A: Tf TC Kg; B: Ha Tk Eb Wk - bps: A: IK Tl Ks; B: Be Cm Pr Aq Pe Gn.
 16d 19h 36m (32-40) bp: B: CF; C: Pe - bps: A: Fü; B: Wn Eb Mw; C: Pr - pt: B: Cm Ma Bi.
 16d 20h 40m (35-45) bps: B: Mw - pt: B: CF.
 16d 21h 36m (34-38) bp: C: Kv? - bps: B: Mw - pt: B: Pe.
 16d 22h 45m (45-46) bp: B: Eb; C: Kv? - bps: B: Mw.
 17d 00h 07m (05-09) bp: A: Tl - pt: A: Cm; B: MB; C: Hu.
 17d 00h 21m (20-22) bp: A: TC; B: Hu - bps: B: Vl Lg Va - (ssc: A: SJ).
 18d 01h 28m (20-40) b: A: Od Su Ci Pe SF; B: Hl Sw Ni Be Tl - bp: A: St Pr Fü Tl TC Mc; B: Le Wn Cm Ma CF Aq Eb MB Bi; C: Ha - bps: A: Es Mw; B: Vl Lg - pt: B: Hu.
 18d 02h 05m (00-10) b: A: Kv? - bp: A: Tf; B: MB.
 18d 17h 31m (28-35) bps: B: Hl - pg: A: Me.
 18d 17h 52m (51-52) bp: B: Fü; C: Kv? - bps: B: Mw - pt: C: Wk.
 19d 12h 03m (00-10) bs: A: Ir - bp: A: Gn; B: Od - bps: A: Sr PM - pt: A: Me; B: Wk.
 19d 15h 15m (02-22) b: A: Pr Fü Pe; B: Wn Sw Ak - bs: B: Ir - bp: A: NuOd IK TC Gn Kg; B: Vl Kv? Ma Tf Qu Wk - bps: A: Kn Mo; B: Hl Tl - pt: B: Tk.
 19d 20h 09m (00-14) b: A: Pe - bp: A: Lg Mw; B: Wn Vl Kv? Ma Pr CF Eb Kg; C: Db - bps: B: Fü.
 19d 20h 46m (45-50) bp: B: Wn Pr Eb Pe - (si: A: So).
 19d 21h 40m (40) bp: B: Kv? - bps: B: Fü.
 20d 14h 02m (13 57-14 10) bp: A: Gn; B: Sr Ir To; C: Kv? - pt: B: PM.
 21d 17h 19m (19) bp: B: Fü; C: Kv? - pt: C: Cm.
 21d 22h 27m (20-35) bp: B: Eb Tl - pt: A: Ma Fü; B: Es St Wn CF Od Aq Tf Pe; C:Cm.
 21d 23h 03m (00-04) bp: B: Bi; C: Eb MB - pt: A: Fü; B: CF.
 22d 12h 00m (00) b: B: Ak - bp: C: Kv?.
 22d 21h 39m (28-51) b: A: Od; B: Ak TI - bs: A: SF; B: Hl - bp: A: Fü Su Aq IK TI; B:

TABLE 2a BAYS AND PULSATIONS 1962 - continued

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	Cm Kv? Ma CF Eb Pe Qu Wk - bps; A: Ha Ks TC; B: Wn Vl Db Lg MB - (si: B: Le Es
23d 01h 59m	(01 40-02 10) b: A: Es Su Eb Fr MB; B: Sw Te - bs; A: SF; B: Hl - bp; A: Ma Fü Tl Pe Va; B: Le Wn Ha Kv? Pr CF Hu - bps; A: TC; B: Vl Be Lg; C: Db.
23d 10h 57m	(10 53-11 05) bp; B: Od PM; C: To - bps; B: MI - pt; B: PM.
23d 13h 02m	(00-05) bp; B: Ir Od.
23d 16h 07m	(00-09) b: A: Pe; B: Ak - bp; B: Wn Kv? Ma Pr Fü - pt; B: Cm; C: Tf.
23d 16h 20m	(20) bp; A: IK; B: Vl.
23d 16h 40m	(40) bs; B: Es - bp; B: Vl.
23d 20h 37m	(30-45) b: A: Od Pe; B: Sw TI - bp; C: Wk - bps; B: Mw.
24d 11h 48m	(43-54) bp; B: Od Ho PM DU.
24d 14h 59m	(14 54-15 01) b: A: Su Pe; B: Ir Sw Ak - bs; A: Nu - bp; A: IK; B: Wi Ni Kv? Ma Eb; C: Db - bps; A: Kn Mo Pr Fü Od Tf; B: Wn Vl Tl; C: Wk.
24d 17h 22m	(14-33) b: A: Pr Fü Od Su Pe SF; B: Wn Sw Ak - bs; A: Od - bp; A: Kv? IK Eb; B: Wi Ni Vl Fü Tf TI Wk - bps; A: Kn Mo; C: Db - pt; C: Cm.
24d 21h 16m	(10-21) b: A: MB - bs; A: Mc - bp; A: Ha IK; B: Kv? CF Lg Eb - bps; A: Fü Pe; B: Bi - pt; C: Cm - (si: A: Mw).
25d 15h 01m	(00-02) b: A: Od - bp; B: Wk.
25d 18h 00m	(17 54-18 05) b: A: Fü Pe; B: Sw - bp; A: Od TC; B: Wi Vl Kv? - bps; C: Db.
25d 20h 49m	(37-55) bs; A: SF MB - bp; A: Ha; B: Wn Wi Kv? Pr CF Eb Wk - bps; A: Ma Fü Od Lg Tf IK Tl Pe Qu TC Mc; B: Vl Db Bi Va - (si: B: Le).
26d 03h 37m	(33-41) bp; C: Vi - bp; B: Te.
26d 18h 02m	(17 52-18 05) b: A: Mc; B: Ir - bs; A: N u Mo Ks; B: CF Qu - bp; A: Wk; B: Wi Db - bps; A: Kn Ha Ma Pr Fü Lg IK Tl TC; B: Wn Vl Kv Eb Bi - (ssc: A: Ak; B: Tf - si: A: SF; B: Le Es Pe).
27d 12h 10m	(05-14) b: A: Pe - bs; B: Hl - bp; A: To; B: PM - bps; A: Sr Am; B: Ho - pt; B: Wk - (sfe: Ir).
27d 14h 23m	(02-39) b: A: Kv? Pr Fü Od Su Pe SF; B: Wn - bs; B: Es Hl - bp; B: Vl Ma; C: Tf Wk - bps; A: Mo; B: Kn.
27d 23h 04m	(03-05) bp; A: Tl Mc; B: Ma Fü CF - bps; A: TC; C: Eb - pt; B: Wn Cm.
28d 03h 24m	(22-27) bp; A: Hu; B: Te - bps; B: Va - pt; C: Cm.
28d 16h 36m	(30-40) b: A: Su Pe; B: Ma - bs; B: Hl - bp; A: Od; B: Vl; C: Kv? Tf.
28d 19h 13m	(04-16) b: A: Pe SF Mc; B: Tk Ak - bs; B: Hl - bp; B: Wn Vl Ha Ma Db Pr CF Eb; C: Kv? - bps; A: Od; B: Cm Fü Tf.
28d 21h 49m	(45-52) b: A: Pe Mc - bp; B: Vl.
29d 11h 57m	(57-58) bp; B: Sr PM.
29d 16h 34m	(24-40) b: B: Ir Sw - bp; A: IK; B: Vl Tk Qu PM; C: Kg Wk - pt; A: Cm Fü; B: Tf.
29d 17h 02m	(16 57-17 08) b: B: Ak - bs; A: Nu; B: Hl - bp; B: Wi Kv? Ma Od Tf Mw - pt; A: Fü; B: Cm.
29d 20h 37m	(34-41) b: A: Pe - bp; B: Wn Wi Vl Ma Pr Fü Mw - pt; A: Cm; B: Od.
29d 23h 32m	(24-37) b: A: SF; B: Hl Sw - bs; C: MB - bp; A: St Lg IK Tl Mc; B: Wn Vl Ha Kv? Ma Db Pr CF Eb Pe; C: Ci - bps; A: Fü; B: Es Le Be TC - pt; C: Cm - pg; A: Me.
30d 11h 01m	(10 59-11 05) b: B: Ir - bp; B: DU - pt; A: PM; B: To.
30d 16h 15m	(13-16) bp; B: Qu; C: Kv? - pt; A: Fü; C: Cm Wk.
30d 18h 07m	(00-16) b: A: Pe; B: Sw Ak - bs; B: Hl - bp; A: Fü Od Tf IK; B: Wn Vl Kv? Ma Pr Aq Eb - pt; B: Cm Wk.
30d 21h 12m	(00-23) bp; A: Tl; B: Ma CF Lg Eb TC; C: Mc - bps; B: Db Fü Mw - pt; B: Wn Aq - (si: C: Pe).

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(OCTOBER)

30d 23h 50m (50) bp: B: Ma Tl - bps: B: Lg.
 31d 11h 02m (10 58-11 05) bp: B: Sr Ir PM Lg Gn To DU.
 31d 18h 09m (00-16) b: B: Sw - bs: B: Hl - bp: A: St Fü; B: Wn Vl Be Kv? Ma Pr Od Tf Eb; C: Db - bps: B: Es.
 31d 21h 34m (26-40) b: A: Su SF; B: Hl Sw - bs: A: Ks - bp: A: Fü IK; B: Le Es Wn Vl Cm Ha Ma Db Pr CF Od Lg Tk Eb Ci Tl Qu TC - bps: B: Be Kv Tf.

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01d 01h 27m (24 30) bp: B: Eb - pt: C: MB.
 01d 09h 21m (18-24) b: A: Ag - bp: A: Ap; B: Tu Te To - bps: A: Mo Am - pt: C: Hu.
 01d 14h 09m (08-10) bp: B: To; C: Wk - bps: B: PM.
 01d 18h 24m (20-30) b: B: Hl Sw Su Tn - bp: A: Nu St Pr IK Qu; B: Kn Mo Wn Wi Ni Vl Be Cm Ha Kv? Ma Db Fü CF Lg Aq Tf Tk Md Tl TC Wk; C: Pe - bps: A: Od; B: Do.
 01d 21h 57m (50-60) b: A: Pe; B: Hl Db - bp: B: Ma Kg; C: Md.
 02d 02h 34m (20-40) b: B: TC - bp: B: Wn Vl Db Fü Eb Tl SM - pt: B: Md PM Tw; C: MB Hu.
 02d 12h 18m (17-20) bp: B: Od - pt: B: Wk.
 02d 12h 47m (44-50) bp: B: Ir PM.
 02d 14h 25m (15-36) bp: A: Od - pt: B: PM Gn Wk.
 02d 19h 52m (19 45-20 05) b: B: Sw - bs: A: Tr - bp: A: Fü; B: Wn Vl Ha Ma Pr Lg Tl; C: Kv? Eb Pe - pt: A: Md; B: Cm.
 02d 20h 36m (33-38) bs: B: Hl - bp: A: Md; B: Ni Vl Ha Ma CF Aq Eb Pe; C: TC - bps: A: Nu Od Lg Tl Mw - pt: A: Cm; B: PM - (si: A: Tr).
 02d 22h 51m (49-52) b: A: Tn - bp: B: Kv? Pe - pt: C: Cm.
 03d 10h 00m (09 59-10 01) bp: A: Ap; B: Sr - pt: A: Am; B: PM To.
 03d 10h 17m (15-20) bp: B: To; C: Ir.
 03d 16h 10m (10) b: B: Od; C: Ir - bp: C: Kv?
 03d 19h 36m (32-40) b: B: Sw TC - bp: A: Nu Fü Od; B: Wn Vl Ni Ha Ma Pr MD? Eb Tl Pe Wk - bps: B: Hl - pt: B: Es Cm - (ssc: A: Tr; B: So).
 03d 19h 55m (55-56) b: A: Tn - bp: C: Kv? - bps: B: Mw.
 03d 21h 05m (04-06) bp: B: Md Tn; C: Eb Pe - pt: A: Fü; B: Es Cm.
 03d 21h 35m (32-40) b: A: Tn - bp: B: Od Eb Pe - bps: B: Mw.
 03d 23h 14m (09-20) b: A: SF Mc Tn; B: IK MB - bp: A: St Eb Tl TC; B: Le Ha Kv? CF Od Lg Pe SM Va - bps: B: Es - pt: C: Cm.
 04d 05h 25m (25-26) bp: C: Vi - pt: B: PM Hu.
 04d 09h 31m (31-32) bp: B: To - bps: B: PM.
 04d 10h 56m (55-57) bp: A: Ap; B: To - pt: B: PM.
 04d 15h 05m (14 55-15 10) b: B: Sw - bs: B: Es Hl - bp: A: Sr Pr Fü IK Pe Qu; B: Wn Wi Ni Vl Ha Ma Eb Mc PM To - bps: A: Nu Kn Gn; B: Be Db Wk - pt: B: Cm - (si: So).
 04d 15h 26m (23-30) b: A: Su - bp: C: Md - bps: A: Od.
 04d 19h 55m (19 48-20 03) bp: A: Ni; B: Ma - pt: C: Cm.
 04d 20h 36m (20-42) b: A: IK Eb SF SJ MB? Mc; B: Sw - bs: B: HL - bp: A: St Pr Fü Aq Md Pe; B: Wn Vl CF Wk - bps: A: Mo Db; B: Kn Be.
 04d 20h 58m (20 51-21 10) b: A: Su Tn - bs: A: So - bp: A: Kv? Lg Tf Tl; B: Es WiSM - bps: A: Od; B: Cm Ha Mw.
 05d 20h 31m (29-39) bp: C: Pe MB - pt: A: Es Fü Tn; B: St Wn Cm Ha Ma Od Md IK Eb - (ssc: A: Tr).
 06d 14h 51m (51-52) bp: B: To - bps: B: PM.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(NOVEMBER)

- 06d 17h 22m (21-24) bp: A: Pe - (ssc: B: Tr).
- 06d 17h 47m (17 41-18 10) b: A: Su Tl; B: Ir Sw - bs: A: Ks - bp: A: Nu Mo Ha Kv? Pr Fü Aq Md Eb Mc; B: Wn Wi Ni Vl Cm Ha MA CF Wk - bps: A; Od Mw; B: Hl Db - pg: A: Qu.
- 06d 20h 49m (44-60) b: A: Tl SF; B: Sw MB - bp: A: Kn Kv? Fü Eb Mc; B: Ma CF Wk - bps: A: Es Ni Ha Pr Od Lg Aq Tf Md IK Pe Ks Qu; B: Mo Hl Wn Wi Vl Cm Db - (si: A: Te).
- 06d 21h 55m (48-55) bs: A: Nu - bps: A: Mw.
- 07d 01h 47m (45-49) b: A: Pe MB Mc; B: Sw Ni Tl - bp: B: Wn Be Pr Fü SM - bps: B: Vl.
- 07d 10h 02m (00-05) bp: B: Sr To MI.
- 07d 12h 03m (02-05) b: B: Ir - bp: C: Wk.
- 07d 22h 03m (00-05) bp: A: Mu - pt: B: Tl; C: MB.
- 07d 22h 57m (22 50-23 08) b: A: IK; B: Hl Sw - bs: B: Ks - bp: A: St Lg Tl TC; B: Wn Wi Ni Vl Be Kv? Ma Pr CF Od Aq Eb Ci Pe Tn; C: Tf Mc - bps: A: Es Fü; B: Do Le Ha Mw - pt: B: Sr Cm PM.
- 07d 23h 44m (40-48) bp: B: Db; C: Pe - pt: C: Cm MB.
- 08d 10h 28m (27-30) bp: B: To - bps: B: Sr PM Am.
- 08d 16h 08m (15 57-16 15) b: A: Su Pe; B: Hl Sw Ak - bp: A: Tf IK; B: Kn Mo Wn Vl Ha Kv? Db Pr Fü Eb; C: Cm Kg - bps: A: Nu Od; B: Be - pt: B: Qu.
- 08d 20h 41m (34-45) b: A: Su; B: Sw Ak - bp: A: IK TC; B: Wn Vl Be Ha Ma Pr Fü CF Od Lg Tk Tl Tn; C: Tf Eb Pe - bps: A: Nu; B: Mw - pt: A: Cm.
- 09d 21h 21m (18-24) b: A: Su; B: Sw Ak TC - bs: A: Tr; B: Hl - bp: A: Fü Tf IK; B: St Wn Ha Kv? Ma Pr CF Lg Aq Md Eb Tl Mc Tn; C: Db Tk Pe - bps: A: Nu; B: Do Ni Vl Od Mw - pt: A: Cm; C: Es MB - (ssc: A: So).
- 09d 22h 25m (16-30) bs: B: Hl - bp: A: TC Tn; B: Kv? Aq Tf Md Eb Pe Mc - bps: B: Od - pt: B: Sr CF; C: MB.
- 09d 23h 25m (22-27) bp: B: Eb Mc; C: Kv? Md Pe - pt: B: Aq; C: MB.
- 10d 19h 36m (35-36) bp: C: Kv? Tk Eb - pt: A: Cm Fü Qu; B: Wn Ma Od Pe Pm - (ssc: B: Tr).
- 10d 22h 17m (14-20) b: A: Pe - bp: A: IK; B: Vl Kv? CF Od Eb Tn; C: Md - bps: B: Lg - pt: A: Fü; B: Wn Cm Ma Aq.
- 11d 09h 31m (30-32) bp: C: To - pt: A: TI; B: PM.
- 11d 14h 05m (02-08) bps: B: Kn - pt: B: PM.
- 11d 15h 03m (14 51-15 20) b: A: Pe - bp: B: Mo Ir TI To Wk; C: Kg - bps: A: Gn; B: Od PM.
- 11d 20h 48m (39-51) b: B: Ma - bp: B: Vl; C: Kv? Eb - pt: A: Fü; B: Wn Cm Md.
- 12d 00h 44m (39-47) bp: B: SM TC Hu - bps: B: Ag - pt: B: Eb; C: MB.
- 12d 18h 23m (21-25) b: B: Ak - pt: B: Od; C: Cm Tf.
- 12d 18h 40m (38-42) bp: B: Be Kg - bps: B: Gn.
- 12d 22h 05m (21 57-22 11) bs: B: Hl - bp: B: Vl Be Db IK; C: Ma Mc - bps: B: Mw - pt: A: Fü; B: Pe; C: Cm.
- 14d 03h 13m (11-15) bps: A: Ag - pt: B: SM; C: MB.
- 14d 18h 41m (40-42) bp: A: Kg - pt: B: Md.
- 14d 19h 35m (29-48) b: A: Su Tn; B: Sw Ak - bs: A: SF Ks; B: Hl - bp: A: Mo St Ma Fü Aq Tk Md Eb Tl Pe TC; B: Le Wn Wi Ha CF Pr Ci; C: Kv? -bps: A: So Nu Es Db Od Tf IK Qu Mc Mw; B: Do Vl Be Cm.
- 15d 05h 12m (00-22) bp: B: Vl - pt: B: Te; C: Hu - (ssc: B: Me Ag).
- 15d 11h 07m (00-10) b: A: Vi; B: Ak - (si: Hl).
- 15d 12h 04m (11 57-12 06) bp: A: Ma; C: DU - bps: A: Sr IK MI; B: Wk - (sfe: Ir).

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(NOVEMBER)

15d 20h 45m	(38-47) bp: A: Tl TC; B: Ma Kg; C: Pe - bps: A: Fü; B: Wn Vl Pr; C: Ha - pt: B: TI; C: Cm.
15d 23h 25m	(16-30) bp: A: Fü; B: Tl TC; C: Pe - pt: B: Ma TI; C: Cm.
16d 00h 03m	(01-04) bp: B: Ma CF; C: Kv? Pe - bps: A: Fü IK; B: Wn Vl Ha Pr.
16d 14h 36m	(25-46) b: A: Pe; B: Ak - bp: B: Kn Mo TI Wk.
16d 16h 09m	(00-18) b: A: Pe; B: Ir Ak - bp: B: Kn Mo.
16d 19h 37m	(35-45) b: A: Pe - bp: C: Tf - bps: A: Fü; B: Wn Vl Pr TI.
16d 23h 28m	(15-38) b: A: IK Pe Mc; B: TC - bp: C: Mu.
17d 00h 02m	(02) b: B: TC - bp: C: Kv?
18d 19h 25m	(23-28) bs: B: Nu - bp: B: Be; C: Kv? - bps: A: So - pt: A: Fü Qu; B: St Wn Cm Ma Od; C: Tk.
18d 20h 03m	(19 56-20 05) bp: B: Mw; C: Kv? - pt: B: Ma PM; C: Cm Tf.
18d 21h 27m	(10-20) b: A: Tr; B: Hl - bp: B: Wn Vl Ha Ma Db Fü CF Od Lg Aq IK Eb Mw; C: Kv? Tl Pe Mc - bps: A: Le - pt: B: Cm.
19d 20h 02m	(00-04) b: A: Tn; B: Sw Ak - bp: A: Db; B: Wn Wi Ni Vl Cm CF Qu - pt: A: Fü; B: Ma Aq Md.
19d 20h 21m	(17-30) b: A: Su Aq IK Pe SF; B: Hl; C: MB - bp: A: St Pr Fü Od Tf TC; B: Le Be Ha Ma Lg Md Eb Tl SM; C: Wk - bps: B: Mw - pt: B: Mu.
20d 06h 41m	(39-44) bp: C: Tu - pt: A: Am; B: PM - (si: A: Me).
20d 22h 43m	(40-47) bp: C: Eb - pt: A: Fü; B: St Wn Cm Ma CF Od Aq Md Pe MB PM Hu - (ssc: B: Mw).
21d 06h 25m	(21-32) b: B: Sw - bp: C: Vi - bps: B: Hl - pt: B: Hu - (ssc: B: Me Qu).
21d 12h 15m	(10-20) bp: B: Ir - bps: B: Sr.
21d 16h 10m	(04-15) b: A: Fü Od IK Pe; B: Pr Ak - bs: A: Nu; B: Wn - bp: B: Vl Kv? Kg - bps: B: Kn Mo Hl.
21d 23h 10m	(09-11) bp: C: Eb - pt: A: Cm Pe.
22d 15h 32m	(27-36) b: B: Ha Ak - bs: A: Pr; B: Wn - bp: B: Pe; C: Wk - bps: A: Mo; B: Kn Ni Vl Cm Fü Tf.
22d 17h 48m	(43-50) b: A: Pe; B: Wn Ha Ak - bp: B: Vl Kv? Tf - bps: B: Cm Fü.
22d 20h 16m	(15-18) b: A: Pe - bp: C: Kv? - (si: A: Mw).
22d 20h 59m	(20 57-21 05) b: A: IK MB - bs: A: Ma Eb SF Mc; B: Pe - bp: A: Kv? Tl TC; B: Ni CF - bps: A: Ha Lg Md; B: Kn Mo Wn Cm Fü.
23d 10h 35m	(23-30) b: B: Ir - bp: B: Od PM To; C: DU - bps: A: Sr.
23d 14h 11m	(10-13) b: B: Ir - bp: C: Kv? - pt: B: Wk.
24d 07h 55m	(55-56) bp: B: PM; C: Ho.
24d 11h 32m	(28-35) bp: B: Sr Ho PM; C: DU.
24d 14h 52m	(45-56) b: A: Pe; B: Ak - pt: B: PM.
24d 18h 16m	(04-24) b: A: Pr Fü IK Pe TC; B: Hl Wn Sw Tl Ak; C: MB - bp: B: Be Kv? - bps: B: Kn Mo.
24d 21h 25m	(24-25) bp: B: Ma CF; C: Pe.
25d 16h 15m	(15) bp: B: Vl; C: Kv?
25d 17h 27m	(27) b: B: Ak - bp: C: Kv?
25d 20h 54m	(54) b: A: Pe - bp: C: Kv?
27d 00h 23m	(21-24) bp: B: Vl - pt: B: Fü Eb.
27d 16h 23m	(11-26) b: A: So; B: Sw Ak - bs: B: Hl Ks - bp: A: St Pr Lg Tk IK; B: Do Ni Vl Cm Ha Kv? Ma Aq Tf Md Tl Pe Qu TC Kg Wk Mw - bps: A: Nu Fü; B: Wn Be Db Od TI - pt: B: PM.
27d 19h 52m	(45-58) b: A: Pe; B: Ak - bp: B: Do Wn Vl Cm Pr Fü TI; C: Ha Tl Kg Wk - pt: B: Md.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(NOVEMBER)

- 27d 20h 19m (19) bp; C: Kv? - bps; B: Mw.
 27d 23h 30m (23-43) bp; B: Ma Eb Mc; C: Ha - pt; B: Cm Aq Md Pe; C: MB.
 28d 05h 40m (39-40) b; B: Hu; C: Te - bs; B: Ag
 28d 10h 54m (54-55) bp; A: Me; C: Ho.
 28d 16h 32m (31-34) bp; C: Wk - pt; B: PM.
 29d 18h 33m (25-45) bp; B: Tf Kg - pt; A: Fü Tk Qu; B: Wn Cm Ma Md Eb Pe PM; C: Wk.
 29d 19h 08m (00-22) b; B: Sw - bs; B: Hl Tl Ks - bp; A: St; B: Wi Kv? Ma CF Tf Qu TC - bps; A: Nu Ha Pr Fü Od Lg IK; B: Kn Mo Wn Ni Vl Be Cm Db Aq Md Eb Pe Mc Mw - pt; B: Tk - (ssc: A: Tr SF; B: TI - si; B: Le).
 30d 01h 39m (32-47) b; B: Sw - bs; B: Hl - bp; A: Ha Pr Od; B: Wn CF Eb Tl Pe-bps; A: Fü Mw; B: Be.
 30d 05h 13m (12-14) bs; A: Te - (si: A: Me).
 30d 21h 11m (08-12) b; B: TC - bs; A: So; B: Hl? Ks - bp; A: IK; B: Ma CF Eb Ci Pe Kg - bps; A: St Ha Fü Od Lg Tl; B: Le Wn Wi Vl Kv Pr Aq Md Mw - pt; A: Cm; B: MB - (si: A: Tr; B: Be).
 30d 22h 10m (09-12) bps; B: Do Pr - pt; A: Fü; B: Cm Eb Pe.

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- 01d 02h 37m (35-40) bp; B: SM; C: MB.
 01d 14h 47m (47) bp; B: MI; C: Mb Ka Ky - pt; B: Gn.
 01d 18h 42m (35-47) b; A: Ci Pe SF; B: Nu Hl Sw - bs; A: Ks - bp; A: St; B: Le Es Wn Wi Ni Vl Be Ha Ma Db Pr Fü CF Od Eb Tl TC Mc Wk; C: Cm Tf Md - bps; B: Do Kv.
 02d 19h 40m (39-43) b; A: Pe; B: Nu Hl Be - bp; B: Do Le Wn Vl Pr Fü Kg; C: Ha Tf - pt; B: Ma; C: Cm Tk.
 03d 04h 09m (08-10) bps; B: Ag - pt; C: MB Hu.
 03d 18h 05m (01-14) b; A: Ci; B: Sw Su - bs; B: Hl - bp; A: So Nu St Pr Fü Od Tn; B: Kn Mo Wn Wi Ni Vl Be Cm Ha Kv? Ma Db CF Aq Md Eb Tl Kg Mw; C: Pe - bps; A: Do; B: Le Es - pt; B: Mb Tk Ka Ky Qu Gn Wk.
 04d 23h 49m (44-53) b; B: Hu - bp; B: CF Eb Tl Kg; C: Ha Kv? - pt; B: Cm Ma Aq Md Pe - (si: A: So).
 05d 00h 23m (20-26) b; A: Ag; C: MB.
 06d 00h 26m (22-28) bp; C: Pe - pt; B: Eb; C: MB.
 06d 18h 22m (15-29) bp; A: So; B: Db; C: Tf - pt; A: Fü Tn; B: Wn Cm Aq Md Qu; C: Tk Hu.
 06d 18h 43m (40-51) bp; B: Nu Fü - pt; A: Tn; B: Tk.
 06d 19h 19m (12-21) bp; B: Nu Wn Pr Fü IK; C: Kv? Tf - pt; A: Cm; B: Es CF Aq Tk Md.
 07d 19h 54m (53-54) bp; B: CF; C: Kv? Kg - pt; A: Cm Fü Qu; B: Wn Ma Aq Md Wk; C: Mb Tk Ka Ky.
 08d 10h 39m (37-42) bp; A: TC - (si: B: Vl).
 09d 22h 46m (42-49) bs; B: Tr - bp; B: Vl - bps; B: Lg - pt; A: Fü Tn; B: Wn Cm Ma CF Od Aq Md Eb Pe; C: MB.
 10d 01h 04m (00 59-01 06) b; C: TC - pt; B: CF Aq Eb Ci MB; C: Cm.
 10d 16h 17m (15-19) bp; B: Gn To; C: Wk - pt; B: Tk.
 11d 09h 16m (12-21) bp; A: Am; C: Vi - pt; A: Me.
 11d 13h 22m (22) bp; B: PM; C: Mb Ka Ky.
 11d 13h 40m (35-45) b; B: Ir - pt; C: Wk.
 11d 18h 28m (27-30) b; B: Ir Sw - bs; A: Nu - bp; A: CF Od; B: Kg - bps; B: Ma.

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(DECEMBER)

11d 18h 49m	(18 39-19 09) b: A: SF Tn; B: MB? - bs: A: Ks; B: Hl - bp: A: Ha Kv? Lg Aq Tf Md IK Eb Tl Pe TC; B: Es Wi SM; C: Mb Ka Ky - bps: A: Mo Pr Fü; B: Kn Wn Vl Cm - (si: A: Mw).
11d 21h 53m	(52-58) bs: B: Tr - bp: B: Ma Kg; C: Eb - pt: A: Fü; B: Wn Md; C: Cm.
11d 22h 39m	(35-48) bp: B: Wn Pr CF Eb Pe; C: Kv? - bps: A: Tl; B: Vl Ha Lg - pt: B: Aq MB - (si: B: Db; C: Ma).
12d 18h 34m	(29-40) b: C: Ir - bp: B: Wn Vl Pr Fü CF Eb Qu Wk; C: Tl - bps: A: Nu - pt: A: Tk; B: Cm Aq Md Pe - (ssc: A: Tr So).
13d 13h 03m	(00-05) b: A: Od - bp: A: Gn Am; B: Sr Mb Ka Ky Ho Gu PM - bps: B: MI.
13d 19h 53m	(49-56) b: A: Pe Te Mc - bs: A: Od; B: Hl - bp: B: Ma IK - (ssc: B: Tf - si: A: Tn; B: Lg; C: Tl).
13d 21h 17m	(14-19) b: B: Sw - bs: B: Hl - bp: A: Nu; B: Kn Mo Ma Od Kg; C: Pe - pt: A: Fü; B: Md.
13d 21h 46m	(43-48) bs: A: Ks; B: Hl - bp: A: St Pr Fü TC; B: Wi Wn Cm CF Aq Md Eb Tl Pe SM Mc - bps: A: Lg; B: Le Es Vl Ha Mw.
14d 01h 23m	(22-24) bp: C: Eb - pt: A: Fü; B: Wn Cm Ma CF Aq Md.
14d 19h 08m	(05-15) bp: B: CF Lg Tl; C: Kv? - pt: A: Fü.
15d 03h 50m	(46-57) bps: B: Va - pt: B: Hu - (ssc: C: Ag - si: B: Sr).
15d 21h 42m	(39-45) bp: B: Wn Vl Ma Db Pr Fü CF Eb; C: Ha Lg Tl Pe - pt: B: Cm Md - (si: A: Tr).
16d 23h 56m	(23 42-24 01) b: A: Kn Mo - bp: A: IK Ci; B: Es Wn Vl Be KV? Ma Fü CF Od Lg Aq Eb Tl Pe TC Mc - bps: A: Tr; B: Le Hl Mw; C: Ha - pt: A: Cm; C: MB.
17d 21h 05m	(00-10) bp: B: CF - pg: B: MB.
17d 21h 42m	(37-50) b: A: SF - bp: B: Ir Kv? - bps: A: Mo; B: Kn Wk - (si: A: Mw; B: To).
18d 13h 56m	(50-60) bp: C: Mb Ka Ky DU - bps: B: Kn Mo - (ssc: B: Ir).
18d 15h 30m	(21-42) bps: A: Mo Pr; B: Kn Wn Tf - (si: B: Od).
19d 00h 31m	(30-33) b: A: Mc - (ssc: B: Ir).
19d 07h 45m	(43-48) bp: C: Mb Ka Ky - bps: A: Sr Te.
19d 11h 04m	(01-10) bs: B: Ir - bp: B: Mb Ka Ky - bps: A: Sr - pt: B: To.
19d 12h 47m	(47) bp: C: Mb Ka Ky.
19d 15h 35m	(30-37) bs: B: Ir - bp: B: To Wk; C: Mb Ka Ky.
19d 18h 59m	(57-60) b: A: Mc - pt: B: Ma Wk.
19d 22h 07m	(07) b: A: Mc - bp: C: Kv?.
20d 13h 37m	(36-37) bp: C: Mb Ka Ky - pt: C: Wk.
20d 15h 04m	(03-04) bp: B: Kv? - bps: B: Mc - pt: C: Mb Ka Ky.
20d 17h 02m	(00-09) b: A: Tn - bs: A: Mc; B: Ir - bp: B: Kv? Ma CF Wk - bps: A: Mo Pr; B: Kn Wn Kg - (ssc: C: Tf - si: A: Nu Od).
20d 19h 52m	(45-55) bp: B: Ma CF Mc Kg; C: Kv?
20d 20h 47m	(47) b: A: Mc - bp: B: Ma.
20d 21h 03m	(03) bp: B: Kv? Kg.
21d 12h 34m	(33-36) bp: C: Mb Ka Ky - bps: B: Sr.
21d 16h 33m	(30-40) b: A: Pr Mc; B: Wn - bp: B: Tf Pe.
21d 18h 44m	(36-52) b: A: Pe SF - bs: B: Mc - bp: A: Lg Tl; B: CF SM - bps: A: Pr Fü B: Wn Vl Ma Db - (ssc: A: Tc - si: B: Es).
21d 20h 24m	(22-28) b: A: IK Pe TC Mc - bp: A: Lg Tl; B: Ma CF SM - bps: A: Fü; B: Wn Pr.
22d 07h 47m	(48-51) bps: C: Vi - pt: C: MI - (ssc: C: Ag - si: B: Me).

TABLE 2a BAYS AND PULSATIONS 1962 - continued

(DECEMBER)

- 22d 10h 13m (12-21) bp: B: Mb Gu PM DU; C: Ka Ky To.
 22d 15h 30m (26-34) b: A: Pe - bp: B: Vl Ma Od Qu Kg - bps: B: Gn - pt: B: Fü; C: Wk.
 22d 16h 32m (31-33) b: A: Pe Mc - bp: B: Od Kg - pt: B: Fü.
 22d 22h 34m (30-39) b: A: Pe Mc - bp: B: Ma Eb - pt: B: Sr Md.
 23d 22h 50m (50) bp: B: Ma DU.
 23d 23h 50m (47-52) bp: B: Lg; C: Eb - pt: B: Od; C: Cm MB.
 24d 20h 00m (00) bp: C: Kv? DU.
 25d 00h 13m (12-15) bp: B: SM; C: MB Mc.
 25d 22h 58m (58) bp: B: Le - pt: B: Wn.
 25d 23h 17m (13-25) bp: B: Es Vl Eb; C: Kv? TC Mc - bps: B: Hl Mw.
 26d 09h 13m (13-14) bps: C: Vi - (ssc: B: Me).
 26d 13h 09m (09-10) bp: C: DU - pt: A: Me.
 26d 22h 02m (00-04) b: A: SF; B: Tl.
 26d 22h 28m (25-35) b: A: Ci Pe; B: TC MB - bs: B: Hl - bp: B: Kv? CF.
 27d 21h 18m (16-22) b: A: IK Pe Mc Tn; B: TC - bp: A: IK; B: Wn Vl Ha Pr Fü CF
 Od Aq Tf Md Eb Tl; C: Kv? Wk.
 28d 13h 17m (17-18) bp: B: DU; C: PM.
 28d 16h 49m (45-53) bp: C: PM - (si; A: Me).
 28d 19h 32m (30-35) bp: B: Wn Pr Ks; C: Kv? - pt: A: Cm Fü Tn; B: Ma CF Aq Tf Tk
 Md Eb Qu; C: Tk - (ssc: B: Tr So).
 28d 20h 08m (06-10) b: B: Sw - bp: A: Fü; B: Wn Vl Kv? Ma Pr CF Od Aq Md IK Eb
 C: Tl Pe - bps: B: Ks Mw - pt: A: Cm; C: Tk.
 29d 15h 23m (15-30) b: A: Kn; B: Sw - bs; A: Tr; B: Hl - bp: A: Nu Fü IK Qu; B: Wn Vl
 Be Kv? Od Tf Tk Eb Pe Kg - bps: B: Ks; C: Db - pt: A: Ma; B: Aq Md Gn
 Wk; C: Hu.
 29d 21h 38m (30-41) bp: B: Vl - pt: B: Od Md Mu.
 29d 22h 15m (14-15) bp: B: Eb - pt: B: Ma CF.
 29d 22h 43m (39-48) bs: A: Tr - pt: B: Mu.
 30d 23h 32m (29-36) b: A: SF - bs: A: Tr; B: Hl - bp: A: St Ha Md IK Ci TC Mc Tn; B:
 Wi Sw Ni CF Aq Tf Eb Pe SM Va - bps: A: Pr Fü Od Tl MB; B: Le Es
 Wn Vl Be Ma Db Mw - pt: C: Hu.
 31d 14h 42m (42-43) b: C: Mb Ka Ky - bp: B: To DU; C: Wk - bps: A: Gn; B: PM.
 31d 19h 09m (16-22) bp: A: Am; C: Vi - bps: B: Tu - pt: B: Ks; C: Hu - (ssc: B: Me).

TABLE 2b BAYS AND PULSATIONS 1962

Commencements of pulsational disturbances not associated with bays.
(See remarks at the head of table 2a)

JANUARY

- 03d 17h 26m (20-28) A: Tn; B: Tk TI; C: Cm.
 03d 20h 35m (35) A: Tn; B: MB Bi.
 04d 10h 22m (20-24) B: Hu Gn; C: Ky PM.
 04d 17h 45m (44-47) A: Tr; B: Od Mb Tk TI Ky Qu PM Gn; C: Ka
 04d 19h 10m (10-11) A: Tn; B: Tk.
 05d 10h 49m (40-51) B: Ka Ky Hn PM Hu; C: Mb.
 05d 11h 54m (50-58) B: Hu - (sfe: Mc?).
 05d 21h 36m (33-40) B: Od TI; C: Hu.
 05d 22h 02m (21 53-22 08) B: Es St Ma Fü Aq Eb; C: Cm MB.
 06d 02h 22m (12-33) A: Va; B: MB; C: Hu - (ssc: C: Ag).
 06d 09h 42m (35-49) B: PM; C: Mb Ka Ky Hu - (si: B: Me).
 06d 10h 40m (40) B: PM; C: Hu.
 06d 14h 42m (40-45) B: To; C: Mb Ka Ky PM Hu.
 07d 11h 48m (45-52) A: To; B: Mb Ka Ky Hu Gn; C: TI PM.
 07d 13h 10m (10) B: PM Hu.
 07d 18h 13m (10-18) B: Od Tk TI PM Gn; C: Mb Ka Ky Hu.
 07d 18h 50m (46-55) A: Tn; B: Hu.
 08d 00h 14m (13-16) B: Eb; C: TI.
 08d 13h 57m (50-60) B: Mb Ka Ky PM Gn To.
 09d 11h 33m (33) C: Mb Ka.
 09d 11h 45m (45-46) B: PM; C: Hu.
 09d 14h 01m (00-03) B: Gn To.
 11d 15h 59m (58-60) B: Vi; C: Mb.
 13d 13h 55m (C: Mb Ka Ky.
 13d 22h 02m (21 59-22 06) B: Es Eb.
 14d 07h 31m (30-31) B: To Am - (ssc: B: Me).
 14d 13h 54m (51-58) B: PM; C: Hu.
 14d 15h 05m (03-09) B: Mb Ka Ky - (ssc: Sw).
 15d 13h 17m (15-20) C: Mb PM.
 16d 17h 53m (51-54) B: Wn Cm Fü Tf.
 17d 11h 51m (50-52) B: PM Hu Gn To; C: Mb Ka Ky.
 18d 19h 56m (52-60) B: TI; C: Mu.
 20d 07h 56m (55-57) A: MI - (si: B: Me).
 20d 17h 44m (40-48) B: Tf TI.
 21d 00h 35m (35) B: CF; C: MB.
 22d 05h 41m (40-42) B: To; C: Hu,
 23d 11h 18m (18-19) B: Hu To.
 23d 19h 00m (00-01) B: St Od.
 23d 20h 05m (02-07) B: Fü TI Ks Hu; C: Cm Tf Tk.
 24d 11h 58m (57-59) B: Cm Hu; C: Ky To.
 24d 17h 14m (13-15) B: PM Wk; C: Hu.
 24d 20h 22m (22) B: Od TI.

TABLE 2b BAYS AND PULSATIONS 1962 - continued
(JANUARY)

25d 05h 11m (11) C: Hu - (ssc: B: Ag).
 25d 10h 03m (03 05) B: Mb Ka PM Hu Am; C: Cm Ky.
 25d 14h 28m (26-30) B: PM Hu; C: Mb Ka.
 25d 22h 23m (20-25) B: Ma TI PM; C: Cm.
 25d 23h 02m (00-04) A: Fü Tn; B: Ha Ma.
 26d 23h 34m (30-36) B: Es St Od CF IK Eb TI; C: MB.
 27d 21h 08m (06-10) B: Es TI.
 28d 14h 32m (30-35) B: PM; C: Hu.
 28d 22h 00m (21 58-22 02) A: Fü; B: Es Wn Cm Ma CF Od Aq Tf Md Eb TIKs MB Bi PM Hu; C: Mc.
 28d 23h 09m (08-10) C: TI MB.
 30d 10h 23m (15 30) C: PM Hu To.
 31d 00h 50m (50) C: Ci MB.
 31d 01h 51m (01 44-02 05) B: CF Ks SM MB PM; C: Hu.

FEBRUARY

01d 03h 28m (20-33) C: MB Hu - (sfe: Ky).
 01d 05h 20m (20) C: MB Hu.
 02d 00h 08m (06-11) B: TI - (si: A: Tr).
 02d 07h 40m (38-43) B: PM To.
 02d 20h 18m (16-20) A: St Cm Ma Fü Th TI Ks Qu Hu Tn; B: Nu Wn Ha CF Od Aq Md Eb MB Bi Wk; C: To - (pg: A: IK; B: Tf).
 02d 22h 52m (50-53) A: Cm Fü; B: Ma Wn CF Aq Tf Md Eb TI; C: Ha MB Mc.
 03d 00h 22m (21-25) B: Md SM TI Bi; C: MB.
 03d 15h 18m (17-19) A: Gn; B: Mb PM To.
 03d 23h 45m (43-52) B: Ma Fü Md Pe Bi; C: Cm Eb.
 04d 12h 23m (22-24) B: Ka Ky PM; C: Mb.
 04d 13h 42m (42-43) B: PM Wk.
 04d 17h 45m (44-48) B: Mb; C: Ka Ky.
 05d 16h 52m (48-57) C: Cm - (si: C: Pe).
 06d 18h 30m (28-32) C: PM - (si: Hl).
 07d 08h 48m (47-50) A: Me - (si: B: Vl).
 08d 10h 50m (50-51) B: PM; C: Hu.
 08d 21h 47m (47-48) B: TI; C: Cm.
 10d 04h 13m (11-15) B: Hu Va.
 10d 13h 38m (34-40) B: Od Tf Hu; C: TI.
 10d 14h 20m (16-24) A: Hu; B: TI.
 11d 01h 45m (45-46) A: Va; C: MB PM.
 11d 11h 06m (02-09) B: To; C: Hu - (ssc: Sw).
 11d 19h 29m (29) B: TI - (ssc: A: Tr - si: B: Nu).
 12d 14h 44m (44) B: Od ; C: TI.
 13d 15h 56m (15 50-16 07) B: Pe; C: Mb Ka Ky Hu.
 13d 18h 13m (13-14) C: Mb Ka Ky.
 14d 12h 35m (29-38) C: Mb Ka Ky.
 14d 15h 39m (35-42) B: Mb Ka Ky Gn MI.
 14d 16h 34m (33-36) A: Tf; B: Cm.

TABLE 2b BAYS AND PULSATIONS 1962 - continued

(FEBRUARY)

- 14d 20h 12m (11-12) B: Cm Fü - (ssc: A: So).
 15d 09h 49m (47-50) B: PM Am; C: Hu.
 17d 15h 12m (12) C: Mb Ka Ky.
 18d 16h 46m (46-47) B: PM Gn; C: Mb Ka Ky To.
 19d 05h 40m (40) A: Te; C: PM Hu.
 20d 11h 11m (11-12) B: Sr PM.
 20d 20h 15m (08-19) B: Tk TI; C: Cm Tf.
 21d 06h 47m (45-50) B: Am; C: PM - (si: A: Me).
 21d 13h 54m (52-57) A: Gn; B: Mb Tk Ka Ky PM; C: Cm.
 21d 16h 59m (16 58-17 02) B: Wk; C: Cm.
 22d 00h 10m (10-11) B: Cm CF Eb.
 23d 03h 05m (00-15) B: CF SM Va; B: Eb MB Hu.
 25d 04h 51m (51-52) C: PM To.
 25d 11h 19m (17-22) C: PM Hu To MI.
 25d 12h 45m (44-47) C: Hu To.
 25d 13h 12m (12) B: PM To; C: Mb Ka Ky.
 25d 15h 57m (56-58) B: TI; C: Mb Ka Ky.
 27d 09h 00m (00-01) A: Te; C: PM Hu - (ssc: B: Me).
 28d 07h 58m (57-60) A: MI; B: Te.

MARCH

- 01d 13h 32m (32-33) A: PM Gn; B: Mb Ka Ky.
 01d 15h 06m (02-15) A: Me; B: Te PM Gn; C: Mb Ka Ky.
 03d 02h 46m (45-47) B: Ci; C: MB.
 03d 03h 00m (00-01) B: Es; C: PM.
 03d 03h 52m (50-54) C: MB PM.
 04d 18h 41m (40-42) B: Hu; C: PM.
 04d 19h 25m (24-30) A: Tn; B: Cm Ma Fü Tk Qu; C: MB.
 07d 05h 24m (22-27) B: Te PM; C: Hu.
 07d 11h 10m (10) B: TI; C: Hu.
 07d 13h 11m (10-12) B: Mb Ka PM Gn; C: Ky To.
 07d 14h 27m (27) B: PM; C: Wk.
 09d 12h 56m (50-60) A: Am; B: TI PM Gn To; C: Mb Ka Ky MI.
 09d 19h 44m (42-46) B: Tk TI.
 10d 23h 02m (00-04) B: Wn Pe TI.
 11d 11h 27m (26-29) B: PM Gn; C: Ky.
 11d 15h 48m (48) B: PM Gn; C: Mb Ka Ky.
 12d 10h 44m (44-45) B: PM To.
 12d 13h 44m (44) B: Ka; C: Mb Ky.
 13d 15h 54m (54) C: Mb Ka Ky.
 14d 22h 51m (50-53) C: Mu - (pg: A: Me).
 15d 19h 00m (00) A: Tf; B: Hu.
 16d 05h 08m (06-10) B: Te; C: Hu.
 16d 12h 18m (09-22) B: PM Gn To; C: Mb Ka Ky.
 16d 23h 08m (06-08) A: Fü Tf; B: Wn Cm Ma Aq.

TABLE 2b BAYS AND PULSATIONS 1962 - continued

(MARCH)

17d 03h 30m (30) B: MB PM.
 17d 04h 29m (28-30) B: MB Pa PM; C: Hu.
 17d 06h 55m (55) B: PM; C: Hu.
 18d 06h 22m (22-23) A: Fü; C: PM Hu.
 19d 06h 50m (50) A: Me; C: Hu.
 19d 11h 14m (10-19) C: Mb Hu.
 23d 08h 11m (10-12) A: Me Hu; B: Te.
 24d 11h 35m (32-38) C: PM To.
 24d 12h 03m (00-06) B: PM; C: Hu.
 25d 15h 05m (04-10) B: Mb Ka PM Gn; C: Ky Hu.
 26d 09h 53m (50-60) A: Me; B: PM; C: Hu.
 26d 13h 09m (09-10) B: Te Hu.
 26d 14h 52m (50-55) B: Es Hu.
 27d 00h 31m (25-37) B: Bi; C: Eb MB.
 27d 01h 47m (40-57) A: Fü; B: Cm CF Md Eb Bi; C: MB MC Pm Hu.
 27d 07h 48m (47-50) C: PM Hu.
 27d 13h 43m (40-47) C: PM Hu.
 28d 23h 57m (50-60) B: TI; C: Eb MB.
 29d 19h 38m (32-40) B: Od TI; C: Cm Tk.
 30d 12h 30m (26-31) B: TI PM; C: Mb Ka Ky Hu To.
 30d 18h 38m (30-41) A: Tf; B: Tk TI Gn; C: Cm Mb Ka Ky PM Hu.
 31d 18h 34m (30-38) B: TI; C: Tk.

APRIL

01d 03h 45m (40-50) B: MB Hu Va - (ssc: C: Ag).
 02d 13h 21m (20-22) B: Od Mb Ka Ky PM Gn; C: Hu.
 02d 19h 14m (08-16) A: Cm Fü; B: IK Eb Pe TI; C: Mb Tf Ka Ky - (ssc: A: Tr).
 03d 15h 56m (53-59) B: Gn; C: Mb Ka Ky.
 04d 00h 38m (38-39) B: CF Pe.
 04d 08h 09m (06-10) A: Cm Fü; B: Wn Tk TI Gn; C: Mb Ka Ky - (ssc: A: Tr).
 04d 19h 16m (15-18) B: St; C: Es.
 04d 20h 01m (00-02) B: Tf Tk.
 05d 11h 02m (02-03) C: Mb Ka.
 05d 15h 14m (07-18) B: PM Gn MI; C: Mb Ka Ky Wk.
 07d 00h 24m (23-26) A: CF; B: Cm MB Hu.
 07d 02h 04m (03-05) B: PM - (si: B: Kn).
 10d 09h 33m (32-35) A: Me; B: PM.
 11d 13h 26m (26) C: Mb Ka Ky.
 11d 17h 07m (06-08) B: Wn Cm Fü.
 12d 04h 20m (20) B: TI Qu - (pg: B: Ir DU).
 12d 08h 06m (06-07) B: Me MI.
 14d 18h 36m (32-40) A: IK; B: Su.
 14d 19h 37m (31-41) A: Fü; B: Es St Wn Ma Od Lg Aq Tf Eb Pe TI Bi; C: Cm - (ssc: B: Tr).
 14d 19h 59m (19 57-20 03) B: Bi Wn Tk; C: Mb Hu - (si: C: Mw).

TABLE 2b BAYS AND PULSATIONS 1962 - continued

(APRIL)

14d 20h 33m (32-33) A: Fü Lg; B: Wn CF Tk MB.
 15d 03h 28m (27-30) B: MB; C: Hu.
 15d 12h 33m (33-34) B: PM; C: Ky.
 15d 15h 44m (33-46) B: PM Gn; C: Mb Ka Ky Wk.
 16d 00h 56m (54-58) B: Ma CF Ci; C: Cm.
 16d 12h 49m (48-51) B: PM To; C: Mb Ka Ky.
 17d 03h 09m (00-18) B: Me Te MB.
 17d 14h 26m (25-28) B: PM; C: Mb Ka Ky.
 17d 15h 00m (00-01) B: Es; C: Hu.
 20d 03h 19m (18-20) A: Me Te; B: Eb Hu; C: MB.
 20d 21h 20m (18-21) A: Fü; B: Es Ma Pe Bi; C: Cm Hu - (si: A: Tr).
 22d 10h 46m (45-50) C: Mb Ka Ky Hu.
 25d 00h 40m (40-41) B: Es Bi.
 25d 01h 48m (43-50) B: Ci Bi PM Va; C: Mb Hu.
 26d 05h 28m (25-35) C: Mb Hu - (ssc: B: Me; C: Ag).
 28d 05h 20m (20-21) B: Es; C: Hu.

MAY

01d 19h 01m (18 58-19 05) B: Cm TI.
 02d 16h 27m (27-28) A: Cm; B: Ma Md Qu - (ssc: B: Tr).
 02d 20h 42m (42) B: Ma Pe; C: Cm.
 02d 23h 54m (53-55) B: Pe; C: Cm MB.
 03d 23h 12m (10-13) B: Fü CF Eb MB; C: Cm.
 03d 23h 26m (26-27) B: Md MB.
 04d 01h 35m (35) B: CF; C: Cm.
 04d 01h 47m (46-48) B: MB PM.
 04d 02h 00m (00) B: MB; C: Hu.
 05d 02h 58m (02 54-03 03) B: Sr Wk.
 08d 06h 05m (00-10) B: Me; C: Hu.
 08d 13h 19m (17-22) B: To MI.
 08d 13h 57m (56-60) B: PM Hu; C: Mb Ka Ky.
 18d 16h 46m (45-48) B: Mb Ka Ky PM Gn To MI; C: Wk.
 08d 17h 12m (11-13) B: PM; C: Hu.
 10d 00h 50m (50) A: MB; B: CF; C: Cm.
 10d 01h 21m (20-23) A: MB; C: Hu.
 10d 18h 02m (01-03) B: TI; C: Tf.
 11d 04h 50m (47-53) B: Pe; C: Wk.
 11d 12h 08m (07-09) A: Am; B: PM Hu To.
 11d 15h 07m (07-08) A: Cm Fü; B: Wn - (si: B: Lg).
 12d 16h 40m (40) C: Mb Ka Ky.
 12d 17h 08m (07-09) B: Cm Od TI; C: Tf Wk.
 13d 03h 51m (48-54) B: Ag MB PM Va.
 13d 10h 58m (58-59) B: Mb Ka To; C: Ky.
 14d 13h 40m (39-40) C: Mb Ka Ky.
 14d 21h 33m (33) B: Wn MB.

TABLE 2b BAYS AND PULSATIONS 1962 - continued

(MAY)

15d 10h 46m	(46) C: Mb Ka.
15d 15h 13m	(07-16) B: Od; C: Mb Ka Ky.
16d 04h 25m	(21-30) A: Te; C: Hu.
17d 11h 09m	(06-10) B: TI Wk; C: Hu.
17d 19h 35m	(30-40) B: Tf TI.
18d 02h 46m	(45-48) B: Ci MB.
19d 03h 47m	(45-50) B: SM Hu.
19d 05h 32m	(27-37) B: Te Hu.
19d 11h 10m	(10) B: PM.
20d 03h 08m	(05-10) A: Ag MB; B: Ci Pe SM Bi Va; C: Hu.
20d 04h 08m	(05-10) A: Me Te MB; B: TI Bi Hu.
20d 10h 18m	(18-19) B: TI; C: Mb Ka Ky.
21d 23h 57m	(55-60) A: TI; B: Tr.
22d 00h 29m	(26-30) B: Es St Cm Ma Fü Od Su Lg Md IK Eb Pe TI Mc Tn; C: MB.
22d 00h 57m	(00 52-01 08) B: Ha Aq TI MB Bi Tn.
22d 01h 26m	(25-27) B: MB Bi Tn.
22d 11h 00m	(00) C: PM Hu.
22d 17h 14m	(12-16) A: Ks; B: Tf.
23d 04h 00m	(03 57-04 02) A: MB; B: Ci PM; C: Hu.
24d 02h 19m	(18-20) B: CF Ci SM Va; C: St Hu.
24d 03h 05m	(03-07) A: Te; B: PM Hu; C: Ky.
24d 04h 11m	(10-12) B: PM; C: Hu.
24d 21h 21m	(20-23) A: Su; B: St Cm Lg Aq Eb Mc Tn.
24d 22h 39m	(37-40) A: Es; B: Cm Aq IK Pe; C: MB.
24d 23h 51m	(50-53) A: Fü MB; B: Wn Ma CF Aq Md Pe Bi PM Tn; C: Hu.
25d 03h 50m	(50) B: PM; C: Hu.
25d 20h 04m	(00-08) A: Fü Su Ks; B: Lg Eb Mc; C: St Cm.
26d 12h 26m	(26) C: Mb Ka Ky.
26d 13h 26m	(25-30) A: Gn; B: PM; C: Mb Ka Ky Hu - (pg: C: To).
26d 16h 20m	(20-21) A: Tk Gn; B: Cm Lg PM Hu; C: Mb Ka Ky.
26d 18h 42m	(40-43) A: Cm Ma Fü Lg Tk Ks Tn; B: Es Wn Ha Tf Md IK Eb Pe Hu Gn; C: Wk - (ssc: B: So - si: A: Mo).
26d 22h 43m	(43-44) A: Ks; B: Od.
27d 05h 10m	(10) B: Me Hu.
27d 13h 10m	(06-14) A: TI - (ssc: A: TC).
27d 20h 09m	(06-13) A: TI; B: Eb.
28d 04h 34m	(30-38) A: Me; B: MB.
28d 20h 42m	(42-43) B: Pe; C: MB.
29d 11h 29m	(29-30) B: PM; C: Mb Ka Ky.
29d 22h 43m	(40-47) B: Es St Wn Ma Fü CF Lg IK Eb; C: Cm MB.
30d 09h 18m	(17-20) A: Me; B: MI.
31d 06h 13m	(12-15) A: Ks - (ssc: C: VI).

TABLE 2b BAYS AND PULSATIONS 1962 - continued

JUNE

01d 00h 06m	(03-10)	B: Te; C: Hu.
01d 19h 03m	(02-03)	B: Cm Fü Tk Pe Qu - (ssc: A: Tr).
05d 17h 01m	(00-03)	B: MB Tk Ka Ky PM.
06d 18h 31m	(27-33)	B: Ma Fü Tf Tk Qu; C: Cm.
07d 13h 46m	(46-47)	B: PM; C: Mb Ka Ky.
08d 05h 43m	(42-45)	A: Me Te.
08d 14h 06m	(02-08)	B: PM; C: Ky MI.
08d 20h 00m	(00)	B: Od; C: Tk - (ssc: B: Tf).
09d 02h 07m	(00-10)	B: CF; C: MB Hu.
10d 14h 04m	(04)	C: Mb Ka Ky.
11d 03h 25m	(25-26)	C: MB Hu.
11d 13h 49m	(49-50)	B: MB Ka: Pm; C: Ky.
11d 19h 28m	(27-30)	C: Tf TI.
11d 23h 30m	(25-38)	B: Pe; C: TI - (pg: A: Me).
13d 11h 32m	(31-34)	B: PM MI.
14d 09h 21m	(20-22)	B: MI; C: Hu.
14d 22h 50m	(48-53)	B: Ma CF; C: MB.
16d 16h 10m	(09-12)	B: Od Tf TI; C: Tk Hu.
17d 19h 57m	(56-59)	B: Ma Od; C: Es.
17d 20h 21m	(18-23)	B: TI Ks Bi Tn; C: Tk Hu.
18d 00h 00m	(00-01)	B: Md Va.
18d 00h 20m	(20-23)	A: Ma; B: Le Ha Lg Eb; C: Es MB Hu.
18d 10h 26m	(23-29)	B: Od PM.
19d 02h 17m	(15-20)	A: Fü CF Md MB Mc Am; B: Le Wn Cm Aq IK Eb Ci Bi PM Hu; C: Es Ky.
19d 03h 02m	(00-04)	A: Am; B: PM.
20d 13h 48m	(48)	B: PM Gn.
21d 02h 18m	(17-20)	B: Va; C: MB Hu.
21d 03h 31m	(30-33)	B: Va; C: MB Hu.
21d 03h 56m	(03 52-04 01)	C: Hu - (si: Hl).
21d 12h 04m	(02-06)	B: PM; C: Hu.
21d 22h 54m	(54-55)	B: Ma Bi.
22d 02h 54m	(46-60)	B: Pe TI; C: Hu.
22d 17h 48m	(47-49)	B: Od Aq TI; C: Tk.
22d 18h 17m	(16-19)	A: Fü Tk; B: Wn Cm Pe PM Hu.
23d 01h 50m	(46-52)	B: Es Fü CF Pe.
24d 17h 08m	(07-08)	B: PM; C: Mb Tk Ka Ky.
24d 22h 34m	(33-36)	B: CF Aq Pe; B: MB.
25d 18h 08m	(08)	B: Mb Gn; C: Ka Ky.
26d 03h 35m	(35)	B: Tw; C: Hu.
26d 23h 44m	(44)	B: Ma CF Pe; C: Cm.
27d 03h 04m	(00-08)	B: Te; C: Hu.
27d 19h 44m	(39-50)	A: Fü; B: Wn Ma CF Tf Pe; C: Cm.
27d 21h 36m	(35-36)	B: Fü Pe.
29d 00h 57m	(00 48-01 08)	B: Ma Fü CF Te; C: MB Hu To.

TABLE 2b BAYS AND PULSATIONS 1962 - continued
(JUNE)

29d 13h 38m (37-38) B: Mb; C: Ka Ky.
29d 20h 00m (00) B: Ma Fü Od.
30d 03h 22m (20-24) C: MB - (si: Hl).

JULY

02d 09h 50m (49-52) B: PM; C: Mb Ka.
03d 13h 24m (23-24) B: PM Gn C: Mb Ka Ky.
03d 20h 29m (28-31) B: St Wn Ma Pe; C: Cm.
04d 03h 24m (23-26) B: Pe; C: MB.
04d 05h 14m (14-15) C: Vi - (ssc: B: Me).
06d 01h 03m (03-04) C: MB Hu.
06d 01h 45m (45-46) B: Pe; C: MB To.
06d 22h 00m (00-01) B: Es St Eb.
06d 22h 15m (15) B: Ma Pe Lu.
07d 16h 36m (35-37) B: Mb Ka Ky PM Gn.
08d 07h 58m (58) B: Wn? Ma.
08d 11h 22m (22-23) C: Mb Ka.
08d 21h 07m (00-10) B: Lu; C: MB Hu.
09d 01h 35m (35) B: Lu; C: Hu.
09d 02h 22m (20-27) B: Pe PM, C: Hu.
09d 20h 16m (12-20) B: Hu; C: Wk.
10d 01h 22m (20-23) B: MB Hu Tw.
10d 01h 56m (55-58) B: MB; C: Hu.
12d 13h 32m (30-38) B: PM; C: Mb Ka Ky Hu.
12d 05h 10m (08-12) B: Hu Am; C: MB.
12d 19h 37m (37-38) B: Tf PM.
13d 01h 47m (45-50) B: MB Lu Va; C: Cm Hu.
13d 05h 25m (25-26) C: Hu To.
13d 05h 53m (52-54) C: Hu - (si: A: Me).
13d 12h 04m (03-07) A: Me; B: Mb Ka Bi PM; C: Ky Hu.
14d 01h 05m (05) B: Fü CF.
14d 21h 01m (00-02) A: Es Fü; B: Cm Ma Aq; C: Hu.
15d 13h 16m (15-17) B: Ka Ky PM; C: Mb MI
15d 19h 22m (16-33) B: Ma Fü Od Eb Kg.
16d 11h 00m (10 59-11 01) B: Me Am MI.
17d 05h 09m (07-12) B: Es Tw; C: Hu.
17d 05h 46m (45-48) A: Me; C: Hu.
17d 12h 38m (35-42) A: Am; B: MB.
17d 22h 34m (33-35) B: Bi Lu; C: MB.
18d 13h 53m (50-56) B: Mb Ka Ky PM Gn; C: Wk.
19d 08h 52m (51-54) B: Te - (ssc: A: Me).
20d 16h 15m (15) B: Ka; C: Mb Ky.
20d 19h 10m (10) B: Es Eb.
21d 03h 13m (12-15) B: Te Tw.
21d 21h 37m (36-38) B: Ma Fü Eb Lu; C: Cm

TABLE 2b BAYS AND PULSATIONS 1962 - continued

(JULY)

- 21d 21h 51m (51-52) B: CF Pe.
 22d 00h 01m (01-02) B: Eb; C: Cm.
 22d 16h 13m (10-15) B: PM Gn MI Wk; C: Ky Hu.
 23d 23h 59m (59-60) B: Bi - (si: A: Mw).
 24d 06h 01m (01) C: Hu - (ssc: B: Me).
 28d 00h 00m (27 23 55-28 00 02) A: Fü B: Wn Cm CF Eb - (si: B: Te).
 29d 12h 51m (51-52) B: PM; C: Mb Ka Ky.
 31d 02h 15m (15) B: Tw; C: Hu.

AUGUST

- 01d 04h 19m (19-20) B: Le - (si: A: Mw).
 01d 16h 36m (34-37) A: Ma; B: Cm - (si: A: Tr; B: Le).
 02d 17h 18m (17-20) C: Mb Ka Ky.
 04d 06h 55m (55-56) B: Ty - (si: A: Me).
 04d 21h 30m (30) Ma Aq Eb.
 07d 12h 42m (41-43) B: PM; C: Mb Ka Ky.
 07d 18h 13m (13) A: Fü; B: Ma.
 08d 00h 49m (48-51) B: Eb; C: MB.
 08d 11h 41m (41-42) B: Mb Ka; C: Ky.
 09d 15h 13m (11-18) B: Lu; C: Mb Ka.
 11d 18h 49m (49-50) B: Od Tk.
 12d 11h 28m (28-30) A: Me - C: Mb Ka Ky.
 12d 20h 18m (18) B: St Eb.
 13d 10h 24m (24-26) A: Am; B: Ka Lu; C: Mb MI.
 13d 06h 18m (15-24) A: Me Te; B: Va; C: Hu.
 13d 10h 44m (40-47) A: MB Lu; B: PM To; C: Cm Ky - (ssc: B: Me).
 13d 18h 06m (03-15) A: Gn; B: Fü Mb Tf Tk Ka Ky PM; C: Cm Hu.
 14d 18h 44m (40-45) A: Cm Fü Tk Qu; B: Wn Ha Ma Ks Lu Gn; C: Hu - (ssc: B: So).
 14d 21h 27m (24-29) B: Fü Ks Lu.
 15d 16h 10m (10-11) C: Mb Ka Ky PM.
 16d 16h 26m (25-26) A: Gn; B: PM; C: Mb Ka Ky.
 16d 23h 39m (37-41) B: Wn Ma Aq Eb; C: Cm.
 17d 12h 55m (55) B: Mb Ka Ky PM.
 17d 19h 00m (00) C: Wk - (ssc: C: Tf).
 19d 09h 10m (09-10) B: Ma Fü - (si: A: Me).
 19d 14h 52m (52-53) B: Mb Ka Ky To - (si: C: Gu).
 19d 19h 36m (36-37) A: Fü; B: Wn Ma.
 20d 09h 33m (32-35) B: MI - (si: Be).
 20d 11h 29m (27-31) B: MI - (pg: A: Me).
 21d 10h 12m (12-13) C: Cm Hu.
 21d 08h 48m (46-50) B: MI - (ssc: B: Me).
 21d 23h 21m (20-21) B: Ma Fü MB Hu.
 22d 13h 08m (08-09) B: Mb; C: Ka Ky.
 22d 14h 01m (00-02) B: Ks PM Wk.
 22d 22h 56m (55-56) B: Fü CF Eb; C: MB.

TABLE 2b BAYS AND PULSATIONS 1962 - continued

(AUGUST)

22d 23h 50m (49-51) A: Fü; B: Cm CF; C: MB.
 23d 14h 07m (06-07) C: Mb Ka Ky.
 25d 11h 20m (16-25) B: PM MI; C: Mb Ka Ky.
 27d 00h 04m (03-05) A: St Fü; B: Wn CF Aq Eb Ci MB Lu; C: Cm.
 27d 04h 52m (50-54) B: Tw; C: Hu.
 27d 11h 41m (40-42) B: Lu; C: Hu.
 27d 16h 32m (30-33) A: Gn; B: Tf PM; C: Cm Mb Tk Ka Ky Hu Wk.
 27d 19h 55m (19 43-20 03) A: St Fü Tn; B: Es Cm Ha Ma Od Lg Aq Tk IK Eb Pe Qu
C: Hu Wk.
 27d 20h 21m (17-28) A: Tn; B: Wn CF Lg Tk MB Bi.
 28d 03h 51m (50-52) C: MB Hu.
 28d 13h 29m (23-31) B: Mb Ka Ky PM To Wk.
 29d 02h 42m (40-47) B: CF Tw; C: MB Hu.
 29d 16h 14m (14-15) C: Mb Ka Ky.
 31d 01h 02m (02) B: Wn IK

SEPTEMBER

02d 02h 48m (48-49) B: CF - (ssc: C: Ag).
 02d 08h 12m (12) B: Vi - (si: B: Te).
 07d 23h 29m (29) B: Ma Eb.
 09d 18h 23m (20-26) B: Ma; C: TI.
 10d 17h 14m (14) B: Mb Ka; C: Ky.
 14d 01h 01m (00-02) B: CF; C: Hu.
 15d 01h 06m (00-09) B: Lu; C: MB Hu.
 15d 17h 51m (50-53) B: Mb Ka Ky PM; C: Wk.
 15d 21h 02m (00-03) B: Cm CF Pe Lu; C: Hu.
 16d 03h 08m (08-09) B: Tw; C: Hu.
 16d 19h 57m (57-58) B: Aq Qu.
 17d 05h 00m (00) B: Te; C: Hu.
 17d 19h 48m (48-49) B: Fü; C: Cm.
 18d 05h 08m (06-11) B: Te; C: Hu.
 18d 10h 52m (51-53) B: MI; C: Mb Ka Ky Hu.
 18d 11h 11m (08-15) B: To - (sfe: IK).
 18d 11h 50m (50) B: PM; C: Hu.
 18d 16h 55m (53 60) C: Mb Ka Ky Hu.
 18d 18h 43m (41-52) B: St TI PM Gn Wk; C: Mb Ka Ky.
 21d 11h 56m (55-57) B: PM To; C: Mb Ka Ky Hu.
 23d 07h 08m (04-13) B: Pe; C: Ha.
 23d 17h 03m (00-07) B: Od Bi.
 24d 08h 33m (32-35) B: TI Va.
 24d 13h 58m (58) B: PM Gn; C: Ky.
 24d 15h 42m (41-53) B: TI PM Gn; C: Hu.
 25d 10h 20m (15-23) A: Am; B: PM; C: Mb Ka Ky Hu - (ssc: B: Tf; C: Cm - sfe: Ks).
 25d 13h 36m (33-42) B: Mb Ka Ky PM Gn; C: Hu Wk.
 26d 15h 16m (15-16) B: PM Gn; C: Mb Ka Ky.

TABLE 2b BAYS AND PULSATIONS 1962 - continued
 (SEPTEMBER)

26d 23h 07m (04-10) B: Ma Pe.
 27d 15h 19m (18-20) B: PM; C: Wk.
 27d 21h 23m (20-26) A: Es St; B: Le Ma Fü Eb Pe TI; C: Cm Hu.
 28d 11h 13m (12-14) B: Ka PM; C: Mb Ky.
 28d 16h 07m (04-10) C: Mb Ka Wk.

OCTOBER

03d 21h 32m (30-35) B: Es St Ma Eb; C: Cm - (ssc: B: Tr).
 05d 05h 12m (12) B: Hu Tw.
 05d 09h 30m (30-31) A: Me; B: MI; C: PM.
 05d 14h 47m (45-52) A: Gn; B: PM To; C: Wk.
 11d 02h 50m (50) B: Hu - (si: A: Me).
 11d 19h 34m (28-40) B: Wk; C: Cm - (ssc: B: Tr - si: A: Sr).
 11d 22h 44m (44) B: Wn Cm Ma.
 15d 21h 46m (42-50) B: Eb; C: MB.
 17d 23h 24m (23-27) B: St Wn Ma CF Eb MB; C: Hu.
 18d 13h 18m (15-20) A: Gn; B: PM To; C: Wk.
 18d 17h 11m (10-12) A: Od; B: Qu.
 20d 18h 15m (15) A: Fü; B: Ma.
 21d 09h 19m (18-20) B: PM Hu.
 21d 11h 11m (11-12) B: PM; C: To.
 23d 11h 50m (47-53) B: Pe Bi.
 24d 12h 33m (30-37) A: PM; B: TI.
 27d 20h 03m (03-04) C: Cm - (si: A: Tr).
 28d 13h 12m (10-14) B: PM; C: Wk.
 29d 02h 23m (22-24) B: Hu Tw.
 29d 21h 29m (25-33) A: Tf - (pg: A: Me).
 31d 17h 31m (27-35) C: Cm Tf.

NOVEMBER

01d 13h 44m (44-45) B: PM MI.
 02d 12h 00m (11 59-12 00) A: Am?; B: Gn To.
 04d 04h 11m (10-12) B: PM; C: Hu.
 04d 09h 00m (08 57-09 04) B: PM To; C: Hu.
 05d 05h 27m (27-28) B: Tw; C: Hu.
 06d 02h 00m (01 56-02 03) A: Fü; B: Es Cm Ma CF Eb; C: MB - (ssc: C: Ag Mc).
 06d 04h 19m (18-20) A: Te; C: Hu.
 07d 20h 30m (30) B: Tf - (sfe: A: Tr).
 08d 03h 50m (50-51) B: Hu Tw.
 08d 09h 33m (31-35) A: Am; B: PM.
 08d 12h 39m (39-40) B: Hu; C: Mc.
 10d 01h 34m (32-37) B: SM PM; C: Hu.
 10d 03h 41m (40-42) B: PM; C: Hu.
 13d 19h 27m (25-36) A: Cm Fü Qu Tn; B: Wn Ma Od Tk Md Eb Hu Wk - (si: A: Tr).
 14d 15h 02m (14 59-15 05) B: PM - (ssc: MB).
 18d 11h 10m (08-12) B: PM To MI; C: Hu.

TABLE 2b BAYS AND PULSATIONS 1962 - continued
(NOVEMBER)

18d 17h 18m (18) B: PM; C: Tk.
 19d 10h 21m (20-23) B: PM Hu To.
 19d 11h 00m (00) A: Am; B: PM Gn.
 19d 12h 17m (17-18) B: PM Gn To; C: Hu.
 19d 15h 53m (51-55) B: Wn Ma Md PM; C: Cm.
 21d 11h 26m (24-28) B: PM To.
 21d 22h 32m (32-33) B: Ma Eb C: Cm.
 25d 12h 02m (01-03) B: PM To.
 26d 07h 30m (30) A: Me, C: Hu.
 27d 13h 00m (00-01) B: PM MI.
 28d 10h 38m (37-40) B: PM; C: To.
 28d 21h 13m (09-15) A: Fü; B: Wn Cm Ma CF Md Pe PM - (si: B: Tr).
 28d 23h 46m (45-48) B: Eb Ci; C: MB.
 29d 00h 18m (18-19) B: Va; C: MB.
 29d 00h 41m (40-43) B: Wn Md Pe MB; C: Cm.

DECEMBER

01d 02h 03m (00-07) B: Tw. C: Hu.
 02d 04h 19m (17-22) B: Tw; C: MB - (ssc: C: Ag).
 02d 13h 37m (37) B: MI; C: Mb Ka Ky.
 03d 11h 36m (36) C: Ka Ky.
 03d 15h 51m (47-53) A: Tn, B: Es Cm Ma Fü Tk Md Gn; C: Mb Ka Ky.
 03d 16h 58m (16 57-17 02) B: Ma Gn C: Cm Mb Tk Ka Ky.
 04d 11h 34m (32-35) B: IK MB - (ssc: A: Mu).
 05d 10h 18m (17-20) C: Cm Hu.
 05d 13h 45m (44-45) B: Mb Ka Ky.
 05d 14h 31m (30-35) A: Gn; B: Wn Cm Ma Aq Md; C: Wk.
 06d 13h 16m (13-17) B: Gn; C: Mb Ka Ky.
 06d 17h 52m (50-54) A: Es St; B: Od; C: Tk.
 06d 19h 50m (50) A: Cm Fü; C: Tk.
 06d 23h 57m (55-59) B: Pe; C: MB.
 07d 14h 03m (02-05) B: Mb Ka Ky Gn.
 07d 15h 04m (04-05) B: Wn; C: Tk.
 08d 06h 23m (20-27) B: Te; C: Hu.
 08d 12h 54m (54) C: Mb Ka Ky.
 08d 23h 12m (12) B: Fü Eb.
 08d 23h 44m (40-50) B: Wn CF; C: MB.
 10d 01h 26m (25-28) B: SM MB.
 10d 11h 41m (41) C: Mb Ka Ky.
 10d 15h 58m (58) B: Mb Ka Ky.
 10d 20h 56m (54-57) B: Ma Fü Aq Md Pe.
 11d 08h 46m (46) B: To; C: Mb Ka Ky.
 14d 14h 16m (15-18) B: Ky; C: Mb Ka.
 14d 18h 38m (38-39) B: Aq Md Eb; C: Cm.
 15d 17h 04m (04) C: Mb Ka Ky.

TABLE 2b BAYS AND PULSATIONS 1962 - continued

(DECEMBER)

- 16d 07h 15m (13-17) B: Hu Tw - (si: B: Me).
 16d 12h 48m (48-49) A: To; B: Mb Ka Ky Gn.
 20d 02h 41m (40-42) B: Hu - (ssc: C: Ag).
 24d 14h 22m (21-22) C: Mb Ka Ky.
 25d 17h 13m (11-22) A: Gn; B: Tk; C: Mb Ka Ky.
 25d 22h 43m (42-47) B: Ma Fü Od Aq Md Eb Pe Hu.
 27d 15h 00m (14 57-15 03) B: Gn; C: Mb Ka Ky To.
 27d 18h 36m (34-39) A: Fü; B: Wn; C: Tk.
 28d 09h 40m (39-40) B: MI; C: Mb Ka Ky.
 28d 12h 27m (27) C: Mb Ka Ky.
 28d 15h 34m (33-34) C: Mb Ka Ky.
 29d 12h 55m (54-57) B: To; C: Mb Ka Ky.
 29d 14h 47m (46-48) B: Mb Ka Ky.
 29d 20h 20m (17-24) B: Ma Md.
 30d 09h 13m (10-18) A: Te; B: Gn MI; C: Hu.
 30d 09h 39m (38-40) C: Mb Ka Ky.
 30d 15h 11m (05-13) B: Gn; C: Mb Ka Ky.
 30d 19h 38m (36-40) B: Od Eb.
 30d 20h 00m (00) B: Fü Hu; C: Tk.
 30d 20h 34m (33-36) B: Tf; C: Tk.

TABLE 2c GIANT PULSATIONS 1962

Exceptional pulsations of very great period and regularity with a sufficient relative amplitude (checked by 63 observatories).

JANUARY

23d 07h 28m B: Wn Fü CI Kg - C: So Do Vl Kv CF? Hb Lg Tf SF GN SB - E: Sw - (bp: B: Mc - pt: B: Aq TI Qu).

FEBRUARY

26d 12h 50m B: Es Lg Kg DU - C: Wn Sw Tf Ci Fr SF TI Tu - E: Co Si SJ Gu - X: SM - (pt: C: Mc).

MARCH

01d 13h 12m A: Lg - B: Kn Tf Gu Kg - C: So Co Do Wn Sw Hb Tk Fr SF TI Gn DU - E: CF Ci SM - (pt: A: Mc?).

07d 09h 55m A: Fü Lg - B: Kn Es St Wn Hb Ci SF Qu DU - C: Co Le Si Sw Kv Db Bu CF? Aq Tf Fr SM Tu Ho SJ Mu Gu Gn - E: MI - X: PM Kg - (pt: B: TI).

08d 06h 10m B: Es Wn Gt - C: So Le Sw Kv Fü Hb Tf SF - E: CF - X: Lg Kg.

APRIL

01d 03h 06m B: Ir Lg Kg - C: So Co Wn Kv Fü Tf Fr SF Gu - E: Sw DU - X: Qu - (pt: B: TI).

03d 03h 59m B: Kn Kg - C: Es Wn Gt SF TI Mw - E: Sw.

08d 04h 10m A: Lg - B: Kn Ir Tf DU - C: Wn Gt Tk SF TI Gu PM Gn To Kg Mw - E: So Co Si Sw Fü CF Ci Mu Wk - (pt: B: Qu).

13d 11h 50m B: Ir Tf Kg - C: So Co Le CF? Hb Fr SF - E: Sw - (pt: B: TI).

MAY

none

JUNE

none

JULY

01d 02h 14m B: Co Kg MI - C: So Si Kn Gt Kv Fü Lg Tf SF TI Mu Gu Gn To DU - E: Sw CF - (pt: B: Aq).

01d 06h 50m B: Kn Fü Hb Tf - C: Co Do Es Wn Gt Db Lg Aq Ci Fr SM SF TI Tu Mu Gu Gn Kg - E: Sw CF - X: So - (pt: B: Qu - C: Mc).

AUGUST

09d 03h 35m A: Kn Fü Ak - B: Co Ir Gt Lg DU - C: Sr Si Vl Hb Tf Tk Ci SM SF TI Tu Ho Mu Gu Gn Wk Ma - E: So Wn Sw CF Aq Fr - X: Qu.

12d 03h 01m A: Kn - B: Kg DU - C: Co Si Es Hb Lg Tf Fr SF Mu Gu Gn - E: Wn Sw Mw - X: Kv - (pt: B: Qu).

12d 07h 38m B: Hb Tf Kg - C: So Do Es Wn Gt Fü Aq Ci Fr SM SF Ks Mw - X: Ak TI.

20d 07h 00m A: Kn - B: Tf Ci Kg - C: So Lg Fr SF Mu Gu Gn Wk - E: Sw CF MI - X: TI.

20d 08h 55m A: Kn - B: Tf Ci Kg DU - C: So Co Do Si CF? Lg Fr SM SF Tu Ho Gu Gn - E: Sw - X: TI - (pt: B: Qu).

20d 10h 40m A: Kn - B: Co Ir Tf Ho Kg DU - C: So Si CF? Lg Ci Fr SF Ks SJ Gu - E: Sw - X: TI - (pt: B: Qu - C: Mc).

22d 04h 13m A: Kn Ak Ks - B: St Wn CF Lg Tf IK To Kg DU - C: Le Es Gt Kv Bu Hb Aq Ci SF Gu Gn Wk Mw - E: So Co Si Sw Tk Fr SM Qu Mc MI - X: TI PM.

23d 04h 29m A: Kn Ak - B: Wn Bu Lg Tf Kg DU - C: Co Gt Kv Hb Ci Fr SM SF Mu Gu Gn To - E: So Si St Sw Tk Qu Wk - X: TI PM.

TABLE 2c GIANT PULSATIONS 1962 - continued

SEPTEMBER

- 05d 05h 59m B: Kg DU - C: Fü Lg Tf SF TI Mu Mw - E: So Sw - X: Aq.
 12d 05h 45m A: Kn Wn Fü Lg Kg - B: So Co Le Es Ir Gt CF Aq IK Fr Qu DU - C:
 Do Si Ni Kv Hb Tf Fr Ak SF Tu Gu Mc? To MI Mw - E: Sw Ma Tk SM
 Mu Wk - X: Ci Gn - (pt: B: TI).
 14d 20h 58m A: Co - B: Si Lg Tf Fr DU - C: Gt Vi SF Tu Ho - E: Sw CF MI Mw-X:
 Gn.

OCTOBER

- 28d 23h 20m B: Co Sw DU - C: So Gt Tf Fr SF Mu - X: TI PM.

NOVEMBER

- 02d 03h 06m B: So Ir Tf - C: DU - E: Sw - (pt: C: Mc).
 06d 07h 54m A: Ci - B: Co Kn Wn Ir Tf SF Ka Kg DU - C: So Si Es Gt Kv Ma Hb Fr
 SM Tu Ho Mu Mc Gn To Wk - E: Sw Fü CF Aq Tk Qu Mw - X: TI.
 23d 15h 35m A: Do Kn Es Wn Fü Ci SF Va Kg - B: So Co Le St Ni Vl Gt Ma Db Bu
 CF Hb Lg Aq Fr Ak SM MB Hr DU - C: Kv Tf Tu SJ Mu Mc Mw - E:
 Si Sw Tk - X: TI Gu.
 25d 05h 38m B: So Le Tf DU - C: Co Si Gt Fr SM SF Mu Gu To Wk - E: Sw CF -X:
 TI.

DECEMBER

none

TABLE 3a SUDDEN IMPULSES (S.I.'S) 1962

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)
(Checked by 67 observatories)

JANUARY

10d 09h 39m A; So Sr Si Kn Wn Sw Gt Ma Db Fü Mb Lg Aq Tf Tk IK Eb Ci Ak SF Ka TI Ks Ss Ky Qu Ho Te MB Mu Gu AA Mc PM Tn Va Gn Hr To Am Kg - B; Co Le Es Ir Ni Kv Cf Hb Fr Tu SJ MI Ht SB - C: Cm Vi SM DU - E: Tl - X: St Pr - (ssc: B: VI) - D: 4.

FEBRUARY

05d 03h 15m A: So Sr Kn Gt Mb Ak SF Ka TI Ks Ky Mu Gu AA PM Tn Gn To Am - B: Co Le Si Es St Wn Ir Vl Fü Hb Lg Tf Tk IK Fr SM Ss Tu Ho SJ MB Mc Ap Va Hr Kg MI Wk Ht SB - C: Cm Ma Vi CF Aq Eb Ci - E: DU Mw - X: Qu Te - (cr: Sw) - D: 6.

14d 17h 20m A: Lg Ks AA - B: Le Kn Es Wn Ir Vl Gt Cm Kv Fü Aq Tf IK? Eb SF Qu Mu Tn Hr SB - C: Co Si St Db Pr Vi CF? Hb Mb Tk Ci Tl Fr Ka Ss Tu Ky Ho SJ MB Gu Mc PM To Wk - X: TI Ap - (ssc: A: Ak - B: Sw MB? Va) - D: 13.

14d 23h 04m A: Tk Ak Ks Tn - B: So Co Es Ir Gt Kv Fü Hb Lg Aq Tf IK Tu Qu Ho Mu AA Mc Va Hr To MI DU SB - C: Sr Si St Wn Sw Vl Db Pr Vi Mb Eb Ci Tl Fr SF Ka Ky SJ Gu MB PM Ap Gn Am Kg Wk Ht - E: CF Mw - X: Cm TI - (b: B: SM) - D: 7.

15d 18h 13m A: Tk Ak SF - B: Co Sr Si Ir Kv Hb Lg Aq Tf Qu Te SJ Mc PM Ap Tn To - C: So Es Wn Ni Gt Ma Db Vi CF Mb Eb Tl Fr SM Ka Ss Tu Ky Ho Gu Va MB Mu - E: St Fü Ks Wk Mw - X: Cm TI - (cr: Sw?) - D: 16.

15d 18h 55m A: Co Es Ni Pr Fü Hb Tf Tk Fr Ak Mu - B: So Sr Le Si Kn St Wn Ir Vl Gt Kv Db CF Mb Lg Aq IK Ci SM Ka Tu Ky Qu Ho Te SJ Gu AA Mc PM Ap Tn Va To DU Ht SB - C: Cm Vi Eb Tl SF Ss MB Am Wk - E: Ma Ks Gn MI Mw - X: TI - (cr: Sw?) - D: 3.

16d 05h 39m A: Kn Lg Tk IK Ak SF Ks Qu Gu Mu AA PM Va - B: Wn Ni Pr Fü Hb Mb Aq Tf Tl? Fr Ka Ss Tu Ky Ho Te SJ MB Ap Tn Gn Hr To Am MI Wk DU Mw - C: Si Es Ir Vl Gt Kv Ma Db CF? Eb Ci - E: So Co Kg - X: Cm TI - (ssc: B: Sw? - pt; St?) - D: 5.

25d 17h 30m A: Ak TI Ks - B: Kn Wn Vl Gt Cm Ma? Fü Lg Eb Qu Mu AA Mc Tn Va - C: Si Es St Sw Ni Kv CF Hb Mb Aq Tf Tk Ci Fr SM Ka Tu Ky Ho Te SJ Gu PM Gn Hr - E: Co - (b: C: MB? - sfe: So IK Tl MI Wk) - D: 17.

26d 15h 33m A: So Co Kn Wn Ir Ni Db Pr Fü Lg Tk Ci Ak SF TI Te MB Mu Gu AA Mc PM Va - B: Sr Le Si Es St Sw Vl Gt Kv Ma CF Hb Mb Aq Tf Tl Fr Ka Tu Ky Qu Ho SJ Ap Tn To Am Kg Wk DU Ht SB - C: Cm Vi Eb Hr MI Wk Mw - E: Do Ks Ss Gn - (ssc: B: SM) - D: 1.

26d 16h 11m A: Co Sr Si Kn Es Wn Ir Ni Pr Fü Mb Lg Aq Tf Tk Ci Ak SF Ka TI Tu Ky Te MB Mu Gu AA Mc PM Va - B: Le St Sw Vl Gt Kv Db CF Tl Fr Qu Ho SJ To Am Kg Wk DU Ht SB - C: Cm Vi IK Eb Hr MI Mw - E: So Do Ma? SM Ks Ss Tn Gn - X: Hb - D: 1.

MARCH

03d 13h 11m B: Le Kn Es St Wn Ni Vl Pr Fü CF Lg Aq Tf IK Ci Tl Fr Ti Te Mu Mc - C: Co Sr Do Si Sw Gt Cm Kv Ma Db Hb Mb Tk Eb Ak SF Ka Tu Ky Ho SJ MB Gu AA PM? Tn Va Gn To MI Wk Mw - E: Ks DU - X: Kg - (ssc: C: So SM?) - D: 9.

03d 13h 39m A: So Es Wn Pr Fü IK Ak SF TI Te Mu - B: Co Sr Le Si Kn St Ir Ni Vl Gt Db CF Hb Lg Aq Tf Tk Eb Ci Tl Fr Tu SJ MB AA Mc PM Va - C: Do Sw Cm Kv Ma Vi Mb SM Ka Ky Ho Gu Tn Gn To Am Mi Wk DU Mw - E: Ks Qu - X: Kg - D: 5.

10d 08h 41m A: So Gt - B: Le Kn Es Wn Vl Kv Ma Pr Fü Lg Tf Eb SM Mw - C: Sw Ni Cm Db CF Hb Aq Tk IK Tl? Ak Ks Te Tn Hr Kg - X: St MB - D: 33.

17d 05h 31m A: Sr Mu AA - B: Co Kn Es Ir Vl Fü Lg Fr Ak SM Tu Qu Gu PM Tn Gn Hr To Kg Wk DU - C: Le Si St Wn Gt Cm Kv Db CF Hb Mb Aq? Tf Tk

TABLE 3a SUDDEN IMPULSES 1962 (S. I. 'S) - continued

(MARCH)

IK Eb Ci Ka Ks Ss Ky Ho Te SJ MB Mc Va Am MI Mw - X: TI - (ssc: B: So) - D: 11.

APRIL

20d 15h 35m A: Co Es SF B: So Le Si Kn St Wn Vl Gt Kv Ma Pr Fü Hb Lg Tk IK Ci Fr TI Tu Qu Mu Gu Va - C: Sr Sw Cm Db CF? Mb Aq Tf Eb Tl? Ak Ka Ks Ss Ky Ho SJ MB AA Mc PM Tn Gn To Kg Mw - X: Ks DU-(ssc: C: SM - sfe: Ir) - D: 10.

MAY

05d 21h 16m A: Kn Ma? Te - B: Co Sr Sw Gt Kv Fü Hb Lg Aq Tf Tk IK Fr Ak SF TI Qu Tu Mu Gu AA Mc PM To - C: Le Si Es St Wn Vl Db Pr Vi CF Mb Ci Tl SM Ka Ky SJ MB Ap Tn Va Gn Hr Kg DU Mw - E: Ho MI-X: Cm Ks Ht - (ssc: C: So) - D: 8.

06d 09h 52m A: Ak Te AA Tn - B: Mb Lg Tk SF Ka Tu Ky Qu SJ Mu Gu Mc PM Va - C: Co Le Es St Wn Gt Kv Db Fü Hb Aq Tf IK Fr SM Ss Ho MB Ap Hr To Kg MI Mw - E: CF Ks - X: Cm TI Ht - (ssc: C: So) - D: 19.

JUNE

07d 06h 40m A: Tk IK Ak TI Ks Te AA Mc Tn - B: So Co St Sw Gt Fü Mb Lg Fr SF Ka Tu Ky Qu Ho SJ Mu Gu PM Ap C: Sr Si Es Wn Vl Kv Ma Db Vi CF Hb Aq Tf Ci Tl SM Ss MB Va To - E: MI Wk Mw X: Cm - D: 14.

JULY

09d 09h 00m A: Co Sr Si Kn Db Fü Hb IK Ak SM Ka TI Ks Ky Qu Ho Mu Gu AA Tn (Nuclear explosion effect) - B: So Do St Wn Ir Sw Ma Vi Tf Eb Fr Va Mc Kg Wk-C: Es Ni Gt Cm Kv PrLg Aq Tk CI? Ss PM - X: Vl MB - D: 14.

24d 15h 02m A: Es Fü Lg IK Ak TI - B: So Co Le Kn St Sw Gt Kv Pr Hb Aq Tf Tk Eb Ci Fr Ks Qu Mu Gu AA Mc Tn MI - C: Si Ir Cm Ma Db CF Mb Tl Ka Ky Ho SJ MB PM Va Kg DU Mw - X: Tu - (ssc: A: Wn? - B: Vl SM) - D: 15.

24d 17h 21m A: So Fü TI Ka Tn - B: Co St Wn Vl Db Pr CF? Tf IK Fr - C: Le Sw Gt Kv Ma Hb Lg Tk Ci Ak SM SF Mc Wk Mw - E: Tl Kg MI - X: Cm - (bp: B: Eb - pt: A: Aq AA; B: Es Ni - pg: A: Qu) - D: 26.

AUGUST

04d 15h 10m A: Kn Ak - B: So Co Le Es Wn Ni Vl Gt Ma Db Fü CF Hb Lg Aq IK SM Tu Mu Mw - C: Sr Do Si St Sw Cm Kv Pr Mb Eb Ci Tl Fr SF Ka Ks Ky MB Gu Mc Va Kg - D: 23.

18d 15h 21m A: Kn Wn Fü AA - B: Le ST Ni Vl Gt Pr CF Tf Eb Ci Fr Tu Kg - C: So Do Si Es Sw Ma Vi Lg Aq IK Tl Ak SM Ho Te SJ Mu Gu Mc PM Gn MI Wk Mw - E: Co Ks Qu - X: Cm Db DU - (pt: C: Hr) - D: 19.

SEPTEMBER

03d 12h 49m A: So Kn Fü Ks - B: Co Do Le Es Wn Ni Kv Db CF Lg Aq Tf IK Ci SF TI Qu Mu Kg - C: Vl Gt Cm Ma Pr Hb Mb Tk El Tl Ka Tu Ky Ho SJ Gu Mc Va Hr MI Wk DU - E: Si St Fr SM MB Mw - X: Tn - (ssc: B: Sw - pg: AA) - D: 23.

12d 01h 22m A: So Co Si Kn Fü Lg Ak TI Te Mu Gu AA Wk - B: Sr Le Es Wn Ni Vl Gt Vi CF Hb Aq Tf IK Fr SM SF Tu Qu Ho SJ PM To Am Kg MI DU Mw - C: Do St Cm Kv Ma Db Pr Mb Tk Eb Tl Ka Ky MB Mc Ap Va Ht - E: Ks - X: Ci Gn - (cr: Sw) - D: 5.

12d 06h 11m A: Ni Lg Tk IK SF TI Ks Qu Te Mu AA Mc Tn To - B: So Co Le Es Sw Vl Gt Db Pr CF Mb Aq Tf Fr Ka Tu Ky Ho SJ Gu Ap Am - C: St Wn Kv Vi Hb Eb Tl SM Ss PM Va Hr - E: Do Ma Kg MI Wk DU Mw - X: Cm Ci Gn - (ssc: A: Ak; B: Ir MB - pg: Fü) - D: 5.

19d 02h 21m A: Kn Fü Hb Ks Te - B: So Co Sr Wn Vl Gt Kv Db Aq Tf IK Ci Tl Fr TI Ks Qu Ho SJ Gu Mc PM Tn Va Kg Wk - C: Le Es Ma Pr Vi Mb Aq Tk Eb SF Ka Ky MB Ap Hr To MI Mw - E: Si DU - X: Cm Mu SB-(ssc: A: Ak; B: Ir CF Lg SM AA) - D: 6.

TABLE 3a SUDDEN IMPULSES 1962 (S. I. 'S) - continued

OCTOBER

22d 03h 41m A: Kn Fü (nucl. explos. effect) Tf IK Ak Ks Qu AA - B: So Co Do Es Wn (nucl. explos. effect?) Sw Ni Gt Db Lg Aq Eb (nucl. explos. effect?) Tn Kg (nucl. explos. effect) DU C: Le Cm Kv Pr CF Hb Mb Tk Fr Ka Ky Mu Hr (nucl. explos. effect?) - E: MI Mw - (ssc: A: TI?; C: Gn) - D: 27.

NOVEMBER

06d 03h 30m A: Gt Lg IK SF Ks Te Mu Gu AA? - B: Co Kn Es Cm Kv Fü Hb Mb Aq Tf Ci Fr Ak SM Ka Ky Qu Ho SJ Mc PM Ap Va To Am Wk Mw Ht SB - C: Le Si Wn Sw Db Pr Vi CF Tk Eb Tl Ss Tu Hr Kg MI - E: So DU - X: TI MB - (ssc: C: Ma? - bp: B: Ir - bps: B: VI) - D: 6.

29d 06h 15m A: Ak Ks - B: Lg IK Ci SF Qu Gu Mc? PM Ap Tn Am Wk - B: So Co Si Kn Sw Gt Ma Db Fü CF? Hb Aq Tk Eb Tl? Fr Tu Ho Te SJ MB Gn To MI - E: Mw - X: Cm TI - (ssc: B: SM Mu Va; C: Mb Ka Ss Ky) - D: 19.

DECEMBER

04d 07h 11m A: Sr Kn Fü Lg Tf Tk IK Ak SF Qu Ho Te Mu Gu AA Mc Tn To - B: So Co Si Wn Ir Ni Kv Ma Hb Mb Aq Eb Ci Fr Ka Ss Tu Ky SJ MB PM Ap Va Hr Am Wk DU Mw - C: Le St Sw Vl Gt Cm Db Vi CF Tl SM Gn Kg MI - X: Pr TI Ks - D: 4.

12d 17h 07m A: Fü Aa - B: Co Kn Es Ir Vl Hb Lg Tf IK Ci Fr Qu SJ Mu Va To Wk DU Mw - C: So Le Si St Wn Gt Cm Db Pr Vi CF Mb Aq Tk Eb Tl? SF Ka Tu Ky Ho Te MB Gu Mc PM Ap Gn MI Ht - E: Ks Hr - X: Do SM TI - (ssc: B: Sw Ma Ak) - D: 8.

12d 21h 31m A: So Ma Fü Lg IK Ak SF Te AA Mc - B: Co Gt Hb Aq Tf Tk Ci Fr Tu Qu Ho SJ Mu Gu Ap Tn To Am Kg DU Ht SB - C: Le Es Sw Vl Cm Db CF Mb Eb Ka Ky MB PM Va Gn Hr MI - E: Si Tl Ks Wk Mw - X: SM TI - (bps: Wn?) - D: 10.

14d 17h 40m A: Lg - B: Es Vl Gt Db Fü Hb Aq Tf IK Fr SM SF Ks AA Tn-C: So Le Wn Sw Cm Pr CF Eb Ci Tl Ak Tu MB? Mu Gu Mc Wk - E: Qu DU Mw - X: Co TI SB - (ssc: B: Ma) - D: 29.

TABLE 3b NOT CHECKED SUDDEN IMPULSES (S. I. 'S) 1962

JANUARY

10d 19h 46m (45-48) A: Es B: Le.
 12d 11h 13m (12-14) A: So; B: Ni Fü; C: Cm.
 25d 16h 47m (45-48) B: Kn Mo Be; C: Kg - (pt: B: Cm).

FEBRUARY

05d 01h 21m (20-22) B: Nu; C: Cm.
 11d 13h 18m (17-19) B: Fü Lg - (ssc: B: SM, C: Pe).
 11d 19h 48m (48-50) A: IK; B: Pe Qu Hu.
 15d 19h 29m (25-31) A: Ni; B: Vl Pr CF; C: Pe.
 16d 13h 03m (00-09) A: IK; B: Ni - (pt: A: Me).
 26d 09h 40m (36-43) C: Cm Mb Ka Ky - (ssc: C: Ni).
 26d 15h 53m (51-54) A: Sr Kn; B: Le Wi CF.
 27d 05h 16m (10-24) B: Hl MI - (ssc: C: Tf Pe).

MARCH

01d 11h 56m (56-57) C: Hr - (ssc: A: SF).
 04d 06h 40m (40) B: Hl; C: Mw.
 05d 07h 05m (04-06) B: Hl - (ssc: Sw).
 12d 09h 48m (48-49) B: Be - (ssc: Sw).
 18d 07h 06m (03-10) C: Hn - (pg: A: Fü?).

APRIL

03d 06h 46m (39-51) B: Sr Hl Te.
 06d 04h 48m (46-50) B: Te - (ssc: C: Mc).
 16d 02h 04m (04) B: Mo Fü; C: Pe.
 21d 23h 55m (55-56) A: Mw - (ssc: A: Tf).
 25d 17h 45m (43-48) B: Te; C: Pe?
 26d 05h 03m (03-04) A: So; B: Hl.

MAY

06d 03h 17m (16-17) A: Te; B: Pe - (ssc: C: Ci).
 14d 21h 14m (11-17) A: Mw - (pt: C: Cm).

JUNE

01d 21h 36m (33-40) A: Me; B: Hl.
 09d 00h 59m (09 55-10 03) B: Hl Sw Lg - (ssc: B: Qu; C: Ho).
 09d 03h 02m (02 57-03 04) B: Kn Mo Te; C: Pe - (pt: C: Hu).
 09d 07h 24m (23-25) B: Te - (ssc: B: TC).
 12d 23h 25m (23-27) A: Mo; B: Kn.
 19d 13h 07m (05-08) A: IK; C: Hr - (ssc: Hl; B: A: TC - sfe: Od Mc?).
 19d 23h 01m (00-03) A: Me; B: Hl.
 26d 07h 14m (10-17) B: Hl Be; C: Ir - (bp: B: Vl - bps: B: Sr).
 29d 13h 05m (05-06) A: Mo; B: Bi; C: Pe.

JULY

04d 05h 41m (37-46) B: Te - (bps: C: Hu).
 10d 12h 37m (37) B: Lg Tl.
 12d 15h 34m (32-35) B: Lg IK Tl - (b: C: Ma).

TABLE 3b NOT CHECKED SUDDEN IMPULSES (S.I.'S) 1962 - continued

(JULY)

19d 05h 05m (02-10) B: V1 Be IK - (sfe: Sw?).
 19d 10h 16m (14-18) B: Le V1 - (ssc: B: Es; C: Ma).
 19d 11h 44m (44-45) B: V1 - (ssc: C: Db).
 20d 04h 24m (23-25) A: Me - (bps: B: Hu).
 21d 11h 12m (12-13) B: Wn V1 Be Ha Tl Lu - (ssc: C: Db).
 31d 23h 22m (21-23) A: Te; B: Co - (ssc: A: Me).

AUGUST

03d 06h 48m (43-53) A: Me - (sfe: Le?).
 04d 05h 19m (18-20) B: V1 Pr - (sfe: Od).
 05d 04h 36m (35-37) A: Co IK; B: Sr - (sfe: Od).
 05d 08h 40m (35-45) B: Bi - (ssc: C: Tk).
 09d 11h 39m (38-39) B: V1 Be; C: Cm.
 16d 04h 33m (31-36) A: Mw; B: Kn Mo.
 18d 06h 57m (50-60) A: Sr Mw - (pt: Hn - pg: A: Bi).
 18d 15h 21m (21-22) B: Wn V1 Pr Fü Eb Fr; C: Le - (pt: B: Cm).
 22d 07h 56m (54-58) A: Mo Pr; B: Le Kn Es Wn V1 Fü.
 23d 02h 56m (55-58) A: Te; C: Mc.
 26d 02h 48m (43-53) A: Lg; B: Hl - (pt: B: Ma - sfe: Od).
 26d 11h 52m (50-55) A: Lg; C: Ak Ks - (ssc: C: Tk - sfe: Od).
 27d 10h 40m (40-41) B: Hl - (sfe: Lg?).

SEPTEMBER

03d 15h 31m (29-34) B: Bi - (sfe: Hu).
 03d 20h 03m (00-06) A: Me - (bs: C: Pr).
 06d 18h 41m (38-45) A: Es - (pt: C: Cm).
 11d 10h 20m (17-23) B: Hl Be.
 11d 22h 02m (00-04) B: Hl - (ssc: Sw).
 14d 06h 06m (04-09) A: Sr - (pt: B: MB?).
 16d 05h 24m (22-29) A: Tr Mw; B: Wn Be Pr Fü.
 17d 11h 43m (37-50) A: Su; B: Kn Mo Be - (bp: C: Tf - sfe: Od).
 19d 19h 04m (03-05) A: Es - (bp: B: Ir).
 22d 22h 29m (27-31) A: Co Ma.
 26d 00h 03m (03) C: Mb Ka Ky.

OCTOBER

01d 19h 17m (15-20) B: Tr Mu.
 11d 11h 18m (18) A: Mo; B: Kn.
 19d 10h 28m (25-30) B: Be; C: Es - (bps: B: V1).
 21d 05h 40m (A: Sr - (pg: IK)).
 25d 15h 52m (50-56) A: IK; B: V1 Pe Qu Bi - (ssc: C: Ma).

NOVEMBER

05d 13h 42m (32-48) B: SM; C: Ks? - (bp: B: V1 - sfe: Hu).
 07d 14h 45m (44-47) B: V1 Be.
 08d 07h 56m (50-58) B: Wn V1 Fü; C: Pr - (pt: C: Cm).
 12d 09h 30m (28-32) B: Be - (sfe: IK).

TABLE 3b NOT CHECKED SUDDEN IMPULSES (S. I. 'S) 1962 - continued

(NOVEMBER)

- 15d 01h 18m (16-20) B: Be - (ssc: B: Ak).
28d 00h 32m (31-33) B: Co Fü Lg; C: Tl.
30d 01h 08m (04-12) A: IK; B: Mc; C: Pe - (ssc: C: Lg - bp: B: Vl Ma).

DECEMBER

- 15d 21h 00m (00) A: Tr - (ssc: C: Tf).
17d 22h 47m (46-49) A: Am; B: Pe Qu.
18d 02h 36m (35-37) A: SF Va; B: Pe.
26d 14h 05m (00-08) A: Te Va; C: Pe - (ssc: B: Ir).
27d 14h 08m (06-13) B: Vl Be - (pt: B: Te - pg: B: SM).

TABLE 4 MINOR DISTURBANCES 1962

Minor disturbances (ssc, etc.) reported by only one station.

JANUARY

d	h	m		d	h	m		d	h	m		d	h	m					
01	10	00	pt Hu	-	01	11	10	pt Hu	-	01	11	43	pt To	-	01	14	21	pt Tf	-
01	15	53	pt PM	-	01	19	00	pg Me	-	01	21	15	pg Me	-	01	23	45	bp Mo	-
02	00	00	pt Hu	-	02	08	20	pt Hu	-	02	10	00	pt Me	-	02	17	21	b Bi	-
02	19	22	pt TI	-	02	19	42	pt Tf	-	03	00	25	pt Mu	-	03	10	19	pt Hu	-
03	13	17	pt Hu	-	03	16	12	pt Hu	-	03	19	07	pt Hu	-	04	01	28	pt Mu	-
04	14	36	pt PM	-	04	15	30	pt Hu	-	04	18	10	pt Tk	-	05	01	45	pt Mu	-
05	08	45	pt To	-	05	10	26	pt To	-	05	14	23	pt Hu	-	05	15	07	pt Tn	-
05	16	00	pg Me	-	06	03	40	bp Ci	-	06	09	17	pt To	-	06	16	33	pt TI	-
06	19	27	pt PM	-	06	23	39	pt Ma	-	07	10	15	pg Su	-	07	11	28	sfe Tn?	-
07	12	36	pt TI	-	07	14	25	pt PM	-	07	17	11	pt Hu	-	07	18	30	pt Tn	-
07	19	26	pt TI	-	07	20	18	bp Mw	-	08	00	43	pt MB	-	08	01	19	pt MB	-
08	06	28	pt To	-	08	06	54	pt Hu	-	08	09	39	pt To	-	08	14	50	b Tr	-
08	17	00	b Ak	-	09	02	10	ssc Hl	-	09	03	05	pt MB	-	09	06	52	pt To	-
09	13	22	bs Ks	-	09	14	20	bp To	-	09	16	18	sfe Hu	-	10	04	09	si Ni	-
10	10	23	bps Vi	-	10	11	43	ssc Mu	-	10	13	58	bs Sr	-	10	17	38	si Mu	-
10	20	00	bp Mu	-	10	22	55	bp Eb	-	11	16	37	bp Kg	-	11	22	23	b Pe	-
11	22	52	bps Mw	-	12	12	20	pt Hu	-	12	12	38	pt Nu	-	12	12	57	pt Nu	-
12	13	20	pt MI	-	12	23	24	bp Be	-	13	02	25	pg Me	-	13	10	35	pt PM	-
13	11	19	pt MI	-	13	12	12	pt Hu	-	13	15	40	pt Hu	-	13	19	00	pt Tr	-
13	20	30	pg Me	-	14	04	28	si Hl	-	14	11	24	pt Hu	-	14	12	15	pt PM	-
14	13	21	pt Hu	-	14	14	10	bp Mw	-	14	14	50	pt PM	-	15	03	46	pt Hu	-
15	07	26	pt Pe	-	15	12	17	pt Me	-	15	14	13	bp Wk	-	15	21	39	pt Ma	-
15	23	51	bps Do	-	16	05	50	pt Hu	-	16	12	10	b Ir	-	16	20	40	bp Mw	-
16	22	30	b Pe	-	17	09	40	pt Hu	-	17	13	59	pt PM	-	17	14	58	pt PM	-
17	15	24	pt PM	-	17	18	22	pt Hu	-	17	19	10	pt Hu	-	17	19	36	pt Sr	-
17	21	40	pt Hu	-	18	04	40	pt PM	-	18	11	30	pt Me	-	18	12	40	pt Hu	-
18	16	07	bps Wk	-	18	18	46	pt Hu	-	19	05	55	pt To	-	19	06	56	pt Am	-
19	13	30	bp Ir	-	20	08	51	pt Hu	-	20	15	40	pt Hu	-	20	18	19	b TI	-
21	02	10	pt Hu	-	21	02	42	pt Hu	-	21	03	39	pt Hu	-	21	06	40	pt Hu	-
21	07	43	pt Hu	-	21	12	56	bps Hl	-	21	13	10	bp Ir	-	21	21	15	bp Mu	-
22	06	40	pt Hu	-	22	11	00	pt Hu	-	22	11	50	pt Hu	-	22	13	25	pt Hu	-
22	16	08	pt PM	-	23	02	12	pt Sr	-	23	15	10	pt Hu	-	23	16	24	pt PM	-
23	16	50	pt Hu	-	23	19	16	pt TI	-	23	19	40	pg Me	-	23	21	18	pt Tf	-
23	21	40	pt Hu	-	24	06	22	pt PM	-	24	18	00	pt TI	-	24	21	20	pt TI	-
24	22	18	b TI	-	25	00	00	pt Mu	-	25	08	50	si IK	-	25	09	24	pt Hu	-
25	16	00	pt Ks	-	25	20	10	pt Hu	-	25	23	48	pt Tn	-	26	01	27	bs Pe	-
26	02	10	si Be	-	26	06	37	pt Hu	-	26	10	10	pt PM	-	27	00	30	pt Va	-
27	07	48	si Hl	-	27	09	00	b Ak	-	27	10	15	bp Ir	-	27	17	41	pt PM	-
27	20	39	pt Tk	-	28	08	51	pt Hu	-	28	15	21	pt To	-	28	19	08	pt Hu	-
29	03	05	pt Hu	-	29	08	30	pt Hu	-	29	12	34	pt PM	-	29	22	52	b Tr	-
30	00	41	bp TC	-	30	04	47	bp TC	-	30	14	33	pt Tf	-	30	20	30	pt Hu	-
30	22	05	pt Mu	-	30	23	55	pt Cm	-	31	00	22	pt Hu	-	31	00	33	pt Va	-
31	01	15	pt MB	-	31	02	28	pt MB	-	31	18	17	pt PM	-	31	19	43	pt Hu	-

FEBRUARY

01	02	14	pt Hu	-	01	04	57	pt PM	-	01	07	36	b Pe?	-	01	09	17	pt To	-
02	01	40	bp CF	-	02	03	25	pt Tf	-	02	03	36	pt TI	-	02	10	50	pt Hu	-
02	12	40	pt Hu	-	02	14	38	pt Hu	-	02	20	41	pt Lg	-	02	21	09	pt Tf	-
03	00	42	bp Db	-	03	01	30	pt Sr	-	03	01	57	pt TI	-	03	04	18	pt Mu	-
03	04	50	pt To	-	03	12	33	pt To	-	03	14	07	b Bi	-	03	19	34	pt TI	-
03	20	12	pt TI	-	03	23	18	pt Mu	-	03	23	38	pt TI	-	04	00	05	pt Mu	-
04	09	58	ssc Hl	-	04	11	17	ssc Mw	-	04	12	55	ssc Me	-	04	14	25	pt Me	-
04	18	30	b Ir	-	04	18	42	si So	-	04	20	50	pt Mu	-	04	21	40	pt Mu	-
05	02	00	bp Mu	-	05	05	13	bp Mu	-	05	09	18	si Mu	-	05	11	15	ssc Mu	-
05	13	47	b Bi	-	05	14	51	pg Me	-	06'	11	59	bp TC	-	06	18	15	pt PM	-
07	01	25	bs Es	-	07	04	27	ssc Me	-	07	12	05	pt PM	-	07	13	49	sfe Hu	-
07	14	45	bp Ir	-	07	16	00	pt Vi	-	07	21	30	pt Sr	-	07	22	15	bp Mu	-
08	00	00	pt Sr	-	08	04	26	pt TI	-	08	08	00	pt TC	-	08	12	00	pt Hu	-
08	12	29	pt TI	-	08	13	18	pt Hu	-	08	13	45	pt Tr	-	08	14	22	pt Pe	-
09	02	36	si Hl	-	09	02	50	bs Ag	-	09	07	00	pt Te	-	09	11	30	pt PM	-
09	13	00	b Ir	-	09	16	51	pt Hu	-	09	18	35	pt Hu	-	09	22	26	pt Cm	-
10	01	22	pt Mu	-	10	01	55	bp Mc	-	10	04	28	pt Hu	-	10	07	53	ssc Si	-
10	14	16	pt Hu	-	11	03	25	pt MB	-	11	07	55	ssc Me	-	11	10	10	pt Me	-

TABLE 4 MINOR DISTURBANCES 1962 - continued
(FEBRUARY)

d	h	m		d	h	m		d	h	m		d	h	m					
11	10	55	pt PM	-	11	13	50	pg Me	-	11	15	00	pg Me	-	11	15	30	pg Me	-
11	19	00	bp Ir	-	12	07	12	pt Pe	-	12	07	25	bp Vi	-	12	18	42	b Od	-
13	00	13	bp Mu	-	13	09	38	b Ak	-	13	11	25	pt Me	-	13	17	17	pt Hu	-
13	17	50	pt Hu	-	13	19	50	bps Mw	-	14	05	50	pt Me	-	14	13	20	pt PM	-
14	16	09	pt Qu	-	14	23	35	si Tn	-	15	00	09	pt CF	-	15	00	36	pt Mu	-
15	04	15	bp Mw	-	15	10	30	pt Hu	-	15	12	04	pt Pe	-	15	12	55	pt Hu	-
15	17	00	bp Mw	-	16	01	32	ssc Tk	-	16	02	37	si Mu	-	16	07	02	ssc Sw	-
16	08	30	pt Hu	-	16	13	25	si Mu	-	16	16	04	pt Me	-	16	18	10	bps Mo	-
16	18	39	bps Kn	-	16	18	51	bps Mo	-	16	19	09	bp Wk	-	16	19	40	si	-
16	22	10	bp Mu	-	17	07	42	b Te	-	17	08	56	pt Me	-	17	09	34	pt Me	-
17	15	38	sfe Hu	-	17	23	05	bp Hr	-	18	03	09	bp DU	-	18	09	15	bs Ag	-
18	23	12	bp Mo	-	19	02	25	bp Mu	-	19	05	20	pt To	-	19	09	27	pt Hu	-
20	06	23	bs Ag	-	20	11	35	pt To	-	20	12	17	bp DU	-	20	21	21	pt Hu	-
21	00	47	pt Mu	-	21	05	55	pt Hu	-	21	12	30	pt PM	-	21	21	53	pt Mu	-
21	23	59	pt Es	-	22	00	33	bp Mu	-	22	04	35	pt Hu	-	22	05	09	pt Hu	-
22	10	05	ssc Mu	-	22	14	10	sfe Hu	-	22	14	22	bp Mw	-	22	17	49	pt TI	-
23	01	00	pt Sr	-	23	02	01	pt Hu	-	23	02	30	pt St	-	23	03	40	pt MB	-
23	10	00	si Hi	-	23	13	25	b Ak	-	23	15	22	b Sw	-	23	21	42	pt TI	-
23	21	54	pt Od	-	24	06	00	si Hl	-	24	11	32	bp DU	-	24	14	05	b Ir	-
25	14	15	pt PM	-	25	17	58	pt TI	-	25	20	57	b Sw	-	25	21	13	pt Mu	-
25	22	18	b Pr	-	26	04	10	pt Mu	-	26	10	38	si Te	-	26	11	50	pt PM	-
26	14	40	si Ma	-	26	16	14	si Sr	-	26	20	15	ssc Mu	-	27	11	50	pt Me	-
27	15	15	bp Ir	-	27	19	15	pt Wk	-	28	00	40	pt Mu	-	28	02	15	pt Sr	-
28	05	46	pt Te	-	28	06	48	sfe Hr?	-	28	10	26	bps Sr	-	28	14	14	si So	-

MARCH

01	06	28	ssc SM	-	01	06	55	bs Ag	-	01	07	10	bs Ag	-	01	08	24	ssc Pa	-
01	08	55	si So	-	01	11	57	ssc SF	-	01	15	30	pt PM	-	01	21	32	pt Mu	-
01	23	02	pt Mu	-	02	05	43	bs Me	-	02	14	21	pt Pe	-	02	15	22	pt Gn	-
03	00	00	b Mu	-	03	02	18	si Be	-	03	03	38	pt MB	-	03	15	00	bp Ir	-
03	18	26	b Pe	-	04	00	19	pt Pe	-	04	10	50	pt Hu	-	04	18	20	pt Ag	-
04	20	33	pt Tf	-	04	21	45	pt MB	-	05	00	50	ssc Wk	-	05	06	00	ssc TI	-
05	08	15	pt Te	-	05	09	24	ssc MB ²	-	05	11	45	ssc Ci	-	05	13	15	bp Ir	-
05	13	26	pt Me	-	05	17	53	b Pe	-	05	19	00	b Ak	-	05	21	17	bs Mu	-
06	00	15	bp Mu	-	06	02	54	b SJ	-	06	04	03	bp Te	-	06	05	43	si Pe	-
06	07	17	si Me	-	06	15	22	pt Cm	-	06	20	25	bps Mw	-	06	21	16	bps Mw	-
07	03	07	pt TI	-	07	03	32	pt PM	-	07	06	01	si Mw	-	07	08	43	pt MI	-
07	16	26	pt TI	-	07	16	45	b Pe	-	07	17	05	bp Tf	-	08	00	00	pt Sr	-
08	13	06	pt MI	-	08	15	09	pt Tf	-	09	17	40	pt SM	-	10	08	21	ssc Tf	-
10	11	16	si Hi	-	10	13	19	bp Mo	-	10	16	37	pt Mb	-	10	20	56	ssc So	-
10	21	25	b Pe	-	11	02	30	pt Pe	-	11	04	00	pt Hu	-	11	04	18	bs Pe	-
11	09	45	pt PM	-	11	10	54	pt Me	-	11	18	31	bp Hr	-	12	11	00	pt Hu	-
12	16	05	pt Pe	-	12	20	57	pt Ma	-	13	07	11	si Wk	-	13	07	50	pt Me	-
13	22	23	si DU	-	14	16	45	pg Me	-	15	00	20	ssc Mw	-	15	03	28	pt SM	-
15	13	40	pg Me	-	16	06	20	pt Hu	-	16	09	08	pt Am	-	16	10	15	sfe SM	-
16	10	27	pt Ar	-	16	12	42	pt PM	-	16	13	11	pt PM	-	16	20	15	bp Nu	-
16	21	00	pg Bi	-	17	03	00	pt Va	-	17	06	20	pt Hu	-	17	11	32	pt Mu	-
17	12	10	pt PM	-	17	12	30	pt Mu	-	17	14	22	pt Mu	-	17	18	20	pt Mu	-
17	21	57	pt Pe	-	17	22	45	pt Mu	-	18	(01) 00	b Ak	-	18	07	26	pt Me	-	
18	08	32	pt Ma	-	18	12	08	pt DU	-	18	20	51	b Tn	-	19	00	14	pt Es	-
19	01	16	bps Sw	-	19	02	20	pt MB	-	19	10	06	ssc Sw	-	19	10	23	b Pe	-
19	10	53	pt Ka	-	19	12	00	bp DU	-	19	13	00	pt Me	-	19	16	54	si Me	-
19	18	10	bps Mw	-	19	19	07	b Pe	-	20	10	35	pt PM	-	20	11	46	pt PM	-
20	14	15	pt Me	-	21	02	25	pt PM	-	21	06	03	Si Mw	-	21	15	16	pt Wk	-
21	15	32	pt Me	-	21	17	00	pt TI	-	21	21	10	pt TI	-	21	22	50	b Su	-
22	11	50	pt PM	-	22	22	50	bs Su	-	23	10	17	pt To	-	23	14	10	pt Hu	-
23	17	48	pt Tk	-	24	00	18	bp Db	-	24	01	47	pt MB	-	24	12	45	pt PM	-
24	17	07	pt PM	-	24	21	12	pt Tf	-	25	00	15	si Be	-	25	01	24	pt Pe	-
25	02	27	pt Pe	-	25	04	17	b Pe	-	25	20	03	pt Tf	-	26	09	00	pt TI	-
26	10	50	pt Hu	-	26	12	53	pt PM	-	27	04	33	pt Hu	-	27	04	50	pt Pm	-
27	19	22	si Hi	-	27	20	19	si Hl	-	28	16	22	pt Gn	-	28	18	51	pt Tf	-
29	11	54	b Tr	-	29	12	47	pt PM	-	29	13	07	pt PM	-	29	20	45	b Pe	-
30	00	19	pt Od	-	30	03	10	pt TI	-	30	05	10	pt TI	-	30	05	25	pt To	-
30	08	22	pt TI	-	30	08	40	pt PM	-	30	20	50	bps Mw	-	31	00	47	bp Ma	-
31	07	06	ssc Tf	-	31	07	24	b Pe	-	31	15	45	sfe Hu	-	31	23	25	pt PM	-

TABLE 4 MINOR DISTURBANCES 1962 - continued

APRIL

d	h	m	d	h	m	d	h	m	d	h	m	d	h	m
01	00	14	pt	TI	-	01	09	00	bp	TC	-	01	11	58
02	03	55	pt	MB	-	02	04	48	pt	MB	-	02	13	40
02	41	45	b	Su	-	02	23	32	bp	SM	-	03	04	20
03	16	27	pt	Hu	-	03	17	09	bp	Wk	-	03	18	20
03	21	45	b	Su	-	03	23	29	si	Me	-	04	05	18
04	18	23	pt	Wk	-	04	18	50	pt	Tk	-	04	23	16
05	10	05	ssc	Kv	-	05	10	44	pt	Ky	-	05	14	01
05	19	02	pt	Mu	-	05	21	36	si	H1	-	05	23	17
06	05	21	pt	Me	-	06	05	43	si	Te	-	06	07	33
06	09	40	bp	Te	-	06	10	00	pt	Me	-	06	12	20
06	14	49	sfe	Hu	-	06	19	39	si	Mw	-	06	23	36
07	04	45	bp	Mu	-	07	05	58	si	Wk	-	07	08	30
07	09	35	bp	Ir	-	07	11	00	pt	Me	-	07	11	56
07	20	48	bps	Hr	-	08	00	08	b	Ak	-	08	08	00
08	12	29	pt	Me	-	08	13	12	pt	Me	08	16	30	
09	06	15	b	Te	-	09	11	30	sfe	Od	-	09	13	28
09	20	04	pt	Eb	-	10	04	55	pt	Ag	-	10	05	44
10	13	07	b	Bi	-	10	13	22	si	Hu	-	10	14	35
10	18	33	b	Su	-	10	19	35	pt	Cm	-	10	21	15
10	22	22	bp	Mu	-	11	08	23	si	H1	-	11	14	02
11	20	50	ssc	Mw	-	12	03	00	pt	Sr	-	12	12	10
12	15	47	bp	Wk	-	12	21	10	bp	Vl	-	13	07	59
13	16	03	bp	Wk	-	13	21	08	pg	Me	-	14	00	14
14	15	35	pt	To	-	14	16	07	pt	Hu	-	15	02	36
15	12	00	pt	Hu	-	15	13	32	ssc	Od	-	15	14	33
15	16	11	bp	Wk	-	15	22	24	sfe	Te	-	15	23	34
16	02	30	bp	Db	-	16	13	04	pt	Hu	-	16	14	12
17	09	19	si	Mw	-	17	10	00	pt	Hu	-	17	18	55
18	13	19	b	Ak	-	18	13	35	pt	Mb	-	18	16	46
19	02	51	bp	St	-	19	16	45	pt	PM	-	19	23	18
20	16	29	si	Cm	-	20	16	49	pt	Wk	-	21	06	44
21	20	15	bp	Wk	-	22	00	05	ssc	TC	-	22	00	35
22	12	15	b	Ir	-	22	12	30	pt	Me	-	22	16	05
23	09	48	pt	Me	-	23	10	01	pt	Me	-	25	06	15
25	20	40	bps	Mw	-	26	04	14	ssc	Gn	-	26	10	19
27	20	58	si	Mw	-	28	06	16	bp	Ho	-	28	14	26
29	02	24	bp	Hr	-	29	06	15	pg	Mw	-	29	08	49
29	10	45	pt	Es	-	29	13	22	b	Tr	-	29	14	10
30	09	15	pt	PM	-	30	18	40	bp	TI	-	30	19	24

MAY

01	09	45	pt	To	-	01	09	58	pt	PM	-	01	11	12
02	17	20	bp	Ir	-	02	18	42	pt	Cm	-	02	20	00
03	00	27	pt	Mu	-	03	01	05	pt	Mu	-	03	05	55
03	20	35	pt	Mu	-	03	21	55	bps	Mw	-	04	22	57
05	15	00	pg	Me	-	05	18	15	pg	Me	-	05	18	56
06	07	50	b	Ir	-	06	11	54	pt	PM	-	06	14	55
06	19	20	b	Ir	-	06	21	02	bp	TI	-	06	22	34
07	02	03	pt	PM	-	07	19	56	si	H1	-	07	20	13
08	14	26	pt	PM	-	09	04	06	pt	Me	-	09	11	30
09	16	44	pg	Me	-	09	19	50	pg	Me	-	10	00	08
10	08	36	pt	MI	-	10	11	20	pt	Hu	-	10	14	31
11	04	34	pt	TI	-	11	07	03	pt	Me	-	11	10	20
12	04	42	pt	Hu	-	12	05	45	pg	Mw	-	12	06	06
12	09	00	pt	Hu	-	12	12	00	pt	Hu	-	12	17	31
13	00	11	b	TC	-	13	06	52	pt	TI	-	13	09	22
13	13	50	pt	Hu	-	14	01	15	bp	Ir	-	14	05	25
14	17	02	pt	Bi	-	15	02	45	bp	Te	-	15	06	18
15	18	40	b	Ir	-	16	02	00	bp	Mu	-	16	05	25
16	10	10	bp	Ir	-	16	19	58	bp	TI	-	16	21	54
17	16	20	pt	Hu	-	17	18	36	pt	Hu	-	17	22	41
18	15	53	pt	To	-	18	16	05	pt	Bi	-	19	09	10
19	12	13	pt	PM	-	20	04	25	pt	SM	-	20	09	21
20	13	05	b	Ir	-	20	14	05	pt	Hu	-	20	16	08

bps Mw - 02 22 45 bps Mw - 03 18 11 sfe Hu - 03 20 40 pt Mu - 05 05 40 pt Mu - 05 19 02 ssc SM - 05 14 47 b Tr - 15 00 00 ssc Ak - 16 00 00

TABLE 4 MINOR DISTURBANCES 1962 - continued

(MAY)

d	h	m		d	h	m		d	h	m		d	h	m					
22	01	00	pt Tn	-	22	01	38	pt Tn	-	22	06	32	pt PM	-	22	11	30	pt Hu	-
22	12	10	pt Hu	-	22	15	57	pt Ti	-	23	04	44	pt MB	-	24	01	44	b Mw	-
24	02	35	pt SM	-	24	23	21	pt Va	-	25	11	57	pt Hu	-	25	15	40	pt Hu	-
25	19	06	pt TI	-	25	20	36	pt Aq	-	26	03	30	pt TI	-	26	15	21	pt TI	-
26	17	40	pt TI	-	26	21	42	pt TI	-	26	23	46	pt Tn	-	27	02	14	bps Hl	-
27	10	56	pt PM	-	27	12	14	ssc Mu	-	27	16	50	b Pe	-	27	20	09	bps Mw	-
27	20	34	bp TI	-	28	04	00	bps Ag	-	28	08	43	pt Me	-	28	13	30	bp Wk	-
28	14	00	bp Ir	-	29	01	55	pt MB	-	29	02	50	pt Es	-	29	04	12	bps Mw	-
29	20	36	sfe TI	-	29	21	38	bp Mw	-	29	23	14	pt Lg	-	30	04	45	bs Ag	-
30	06	51	sfe Od	-	30	10	38	bp Mb	-	30	12	26	pt MI	-	30	14	36	pt Hu	-
30	15	10	pt Hu	-	30	17	03	b Ak	-	30	21	47	bps Mw	-	31	00	00	ssc TI	-
31	04	10	ssc Ag	-	31	10	24	si Hn	-	31	11	10	bp Ir	-	31	14	50	b Ir	-
31	16	50	bps Pr	-	31	17	07	b Wk	-	31	22	41	bp TI	-					

JUNE

01	00	31	pt Hu	-	01	01	43	pt Hu	-	01	02	40	bp Hu	-	01	06	57	si Me	-
01	07	45	bp Vi	-	01	08	25	pt Me	-	01	14	22	pt Hu	-	01	18	34	b Pe	-
01	21	01	bps Mw	-	02	01	40	pt Hu	-	02	04	45	bps Ag	-	02	05	00	pt Hu	-
02	08	39	pt MI	-	02	14	14	pt Od	-	02	14	40	pt Hu	-	02	22	45	pt Pe	-
03	00	48	bp IK	-	03	08	13	pt MI	-	03	14	35	pt MI	-	03	15	00	bp Ir	-
03	15	51	bp Kg	-	03	20	30	bp Bi	-	03	21	06	ssc Tr	-	03	23	23	bp Bi	-
03	23	40	pt Mu	-	04	12	45	pt Me	-	04	20	38	pt Cm	-	04	22	38	pt Wk	-
04	22	55	b TC	-	05	08	07	bp Am	-	05	17	34	pt Tk	-	05	23	01	bp Hr	-
06	05	25	ssc Ag	-	06	06	02	bp Te	-	06	07	45	si Mu	-	06	13	00	bp DU	-
06	14	01	b Bi	-	06	15	08	b TC	-	06	18	06	pt TI	-	06	19	51	pt Bi	-
07	05	54	sfe Es	-	07	07	10	bp Ir	-	07	07	38	pt To	-	07	14	40	pt Mu	-
07	20	12	pt Ma	-	07	20	52	pt Lg	-	08	04	26	pt Ag	-	08	04	38	pt Hu	-
08	05	45	pt MI	-	08	05	56	pt Hu	-	08	16	58	pt TI	-	08	18	07	sfe TI	-
08	20	21	pt Tk	-	08	21	21	pt Tf	-	09	01	15	si Me	-	09	04	35	bps Mw	-
09	08	25	bs Ir	-	09	08	42	ssc Me	-	09	08	54	bp Te	-	09	12	22	pt Me	-
09	12	58	ssc TC	-	09	15	47	si Ni	-	09	19	00	bp Hr	-	09	19	21	bp Wk	-
09	19	33	bps Mw	-	09	22	32	pt Pe	-	09	23	48	sfe Te	-	10	03	15	bp Hr	-
10	03	35	bp Te	-	10	04	30	si Sr	-	10	05	42	si Sr	-	10	06	21	si Sr	-
10	09	01	pt Me	-	10	13	35	b TC	-	11	02	56	pt Es	-	11	04	21	pt Hu	-
12	00	28	pt Es	-	12	00	55	pt TI	-	12	05	56	bp Fr	-	12	13	14	b TC	-
12	15	14	bp Wk	-	12	19	05	pt Wk	-	12	19	26	bp Wk	-	12	23	00	pt Sr	-
13	01	36	pt Sr	-	13	02	56	si Hl	-	13	07	44	bp TI	-	14	00	01	pg Me	-
14	00	32	pg Me	-	14	03	44	bp Mw	-	14	04	53	pt Hu	-	14	05	10	pt Hu	-
14	21	27	bp Te	-	15	00	36	pt Aq	-	15	00	57	bp Hr	-	15	13	43	pt PM	-
15	14	10	bp Wk	-	16	00	01	bp IK	-	16	01	30	pt MB	-	16	17	50	bp Wk	-
17	01	06	pt Te	-	18	01	40	bp Su	-	18	11	32	pt Hu	-	18	19	25	pg Me	-
18	19	45	pt Tf	-	19	02	00	pt Va	-	19	04	30	pt Hu	-	19	12	17	pt Hu	-
19	15	05	pt TI	-	19	21	27	pt Te	-	20	03	30	pt Hu	-	20	06	52	pt Me	-
20	07	47	pt To	-	20	12	01	pt PM	-	20	14	00	pt Hu	-	20	15	28	pt Hu	-
20	17	36	pg Tf	-	20	21	32	pt Te	-	21	09	47	si Me	-	21	11	33	pt Hu	-
21	20	38	ssc Mw	-	21	22	34	pt Pe	-	22	03	47	pt Hu	-	22	11	32	si Me	-
23	04	30	b TC	-	23	09	09	si Mo	-	23	10	05	b Tn	-	23	12	50	ssc Hu	-
23	13	27	pt Wk	-	23	15	25	bps TC	-	23	16	00	bp Mu	-	23	18	06	bp Tk	-
23	19	35	b Gu	-	24	04	26	si Hl	-	24	07	30	pt Le	-	24	13	17	pt Hu	-
24	15	30	pt Hu	-	24	23	14	pt Es	-	24	23	40	pt MB	-	25	03	08	pt Mu	-
25	04	00	bp Mw	-	25	05	47	si Me	-	25	08	38	pt Me	-	25	11	50	pt Me	-
25	15	51	sfe Hu	-	25	19	24	bps Mw	-	26	03	50	pt Hu	-	26	07	00	pt Hu	-
26	16	25	si Pe	-	26	19	35	ssc Mw	-	26	22	00	bs TC	-	27	04	40	bps Mw	-
27	05	05	si Hl	-	27	18	07	b SF	-	28	03	38	bp Hu	-	28	17	25	b Mu	-
28	20	06	ssc Mw	-	28	22	46	bps Mw	-	29	02	00	bp Hr	-	29	02	32	bp Hu	-
29	12	08	bp DU	-	29	15	06	pt Wk	-	29	15	42	bp Wk	-	29	22	00	bp Tf	-
29	23	29	bp Tl	-	30	04	30	bps Hu	-	30	07	54	pt Vi	-	30	09	12	pt Me	-
30	17	00	b Su	-	30	17	16	bp Wk	-	30	22	00	pt Mu	-					

JULY

01	00	15	pt Mu	-	01	03	14	pt Tw	-	01	03	28	pt Hu	-	01	04	27	pt Hu	-
01	07	07	pt Me	-	01	10	31	si Es	-	01	11	30	bp Ir	-	01	15	12	pt Mb	-
01	23	52	pt Ma	-	02	00	22	pt Mu	-	02	04	44	pt Tw	-	02	05	03	pt Hu	-
02	18	20	bps Mw	-	03	06	12	pt Me	-	03	06	30	pt Hu	-	03	15	19	bs Pe	-

TABLE 4 MINOR DISTURBANCES 1962 - continued

(JULY)

d	h	m		d	h	m		d	h	m		d	h	m					
03	15	45	bp Bi	-	03	16	10	b Ak	-	03	22	03	pt Es	-	04	02	18	pt Pe	-
04	04	19	pt To	-	04	08	07	si Me	-	04	11	10	pt PM	-	04	13	16	bp DU	-
04	13	52	pt Hu	-	04	21	30	bp Ir	-	05	05	30	si Sr	-	05	05	51	bp Te	-
05	06	06	bps Am	-	05	11	05	pt PM	-	05	13	40	b Ir	-	05	14	01	bp DU	-
05	17	54	pt TI	-	05	18	12	si Vi	-	05	19	57	ssc Tr	-	05	21	28	pt Wk	-
06	02	15	pt Bi	-	06	06	15	pt Me	-	06	09	42	bp Ap	-	06	10	08	bp To	-
06	14	00	sfe Hu	-	06	17	40	bp Wk	-	06	18	10	pt TI	-	06	18	32	pt Me	-
07	14	27	pt Hu	-	07	15	00	pt Hu	-	07	18	04	pt PM	-	07	23	36	bp Mc	-
08	01	30	pt TI	-	08	02	39	bp Hr	-	08	03	26	pt MB	-	08	05	52	pt Hu	-
08	06	54	b Ap	-	08	11	12	pt PM	-	08	12	49	bp DU	-	08	18	12	pt Tk	-
08	19	20	pt Tk	-	08	21	38	si Mw	-	09	03	07	pt Hu	-	09	03	46	pt Pe	-
09	05	15	pt Me	-	09	07	21	pt MI	-	09	08	20	pt Me	-	09	11	21	pt Hu	-
09	12	50	pt Hu	-	09	15	37	pt Hu	-	09	19	20	pt TI	-	09	21	32	bps Mw	-
09	22	02	bps Mw	-	09	23	56	bps Mw	-	10	01	37	pt Hu	-	10	03	03	pt Te	-
10	03	32	pt Lu	-	10	05	00	pt Lu	-	10	08	05	pt Me	-	10	23	27	pt Lu	-
11	05	25	pg Db	-	11	15	06	bp DU	-	11	21	54	si Mw	-	12	00	56	pt TI	-
12	02	32	pg Mw	-	12	03	22	pt MB	-	12	06	12	bps Me	-	12	06	46	pt Hu	-
12	19	20	pt Od	-	12	23	50	bp Bi	-	13	00	40	bp Vl	-	13	04	16	pt Es	-
13	04	55	pt Hu	-	13	08	08	pt TI	-	13	12	27	bp DU	-	13	19	55	ssc Mw	-
13	21	00	pt TI	-	13	22	05	si Mw	-	14	00	44	si Hl	-	14	02	48	si Hl	-
14	05	45	bp Te	-	14	20	01	si Mw	-	14	20	27	b Bi	-	15	00	10	bp Hr	-
15	17	39	pt Hu	-	15	20	03	bp Wk	-	15	20	16	b Ak	-	15	20	33	b Pe	-
16	03	33	b MB	-	16	18	56	pt Hu	-	17	02	40	pt MB	-	17	02	53	pt Hu	-
17	04	10	pt Hu	-	17	05	29	pt Hu	-	18	14	13	bp DU	-	18	14	44	bp Wk	-
18	19	15	pt Tf	-	19	08	25	bp Od	-	19	11	00	pt Me	-	19	16	30	pt Me	-
19	19	15	pt Me	-	20	00	55	pt MB	-	20	11	20	pt Me	-	20	14	18	pt Lu	-
20	15	32	pt Lu	-	20	17	28	pt Lu	-	21	07	20	pt TI	-	21	09	02	bp Od	-
21	09	31	pt Me	-	21	15	41	pt Cm	-	21	22	06	pt MB	-	21	23	58	pt Ma	-
22	05	33	pt Te	-	22	05	49	ssc Me	-	22	18	30	pt Hu	-	22	21	00	bp Si	-
22	22	00	bps Ag	-	23	08	46	pt Lu	-	23	19	56	bp Wk	-	24	06	40	pt Hu	-
24	14	15	pt PM	-	24	16	49	bps Mw	-	24	20	00	b SF	-	24	21	04	pg Me	-
25	01	00	bp Hu	-	25	01	12	b Te	-	25	06	09	b Te	-	25	11	27	bp Sr	-
25	19	31	ssc Qu	-	26	02	05	ssc Sw	-	26	05	12	pt Hu	-	26	07	11	si Mw	-
26	09	15	bp Vi	-	26	10	42	bps Sr	-	26	11	00	bp DU	-	26	11	35	b Ir	-
26	13	15	sfe Te	-	26	13	56	b Ak	-	26	19	07	bp Wk	-	26	21	01	si Mw	-
27	01	06	pt Tl	-	27	02	51	pt Hu	-	27	04	48	pt To	-	27	05	18	si Sr	-
27	06	18	si Sr	-	27	13	48	bp DU	-	27	16	05	bp DU	-	27	20	00	pt Me	-
28	00	28	pt Hu	-	28	04	12	si Wk	-	28	12	04	bp DU	-	28	16	15	bp DU	-
29	00	18	si Co	-	29	06	32	bs Ag	-	29	11	30	bp PM	-	29	12	27	pt MI	-
29	12	40	pt Bi	-	30	01	39	pt Tw	-	30	02	00	bp Hr	-	30	02	20	bp Me	-
30	05	41	bps Hu	-	30	13	41	si IK	-	30	19	00	pt Hu	-	30	20	22	pt Tr	-
31	02	36	pt Hu	-	31	03	06	pt Hu	-	31	03	53	pt Hu	-	31	10	20	pt Me	-
31	15	18	ssc Cm	-	31	19	03	pt Wk	-	31	22	06	si Co	-					

AUGUST

01	00	33	ssc Tr	-	01	07	27	bps Te	-	01	09	12	bs Sr	-	01	09	30	bs Ir	-
01	13	28	pt Ky	-	01	19	31	pt Me	-	01	19	46	bp Wk	-	02	04	00	bps Ag	-
02	14	55	pt PM	-	02	18	31	pt Cm	-	02	19	05	bs So	-	02	23	23	bp Bi	-
03	08	25	pt Me	-	03	16	37	pt Wk	-	03	17	18	si Co	-	04	02	18	si Hl	-
04	04	02	pt Me	-	04	06	32	pt PM	-	04	07	16	bps Me	-	04	10	05	pt PM	-
04	10	54	pt TI	-	04	16	14	bp Wk	-	04	23	30	pt Sr	-	05	00	48	si Sr	-
05	01	48	b Tr	-	05	03	46	si Sr	-	05	05	13	ssc TC	-	05	06	50	pt MB	-
05	07	40	pt Me	-	05	10	05	pt PM	-	05	11	20	bp Ir	-	05	18	06	bps Wk	-
06	01	00	bp Tf	-	06	01	11	bps Mw	-	06	03	45	bp Mw	-	06	07	49	bp Te	-
06	12	31	pt Me	-	06	13	15	bp DU	-	06	15	01	pt Wk	-	06	19	10	b Mu	-
07	00	35	bp MB	-	07	03	30	bp Me	-	07	04	34	bp Mw	-	07	11	30	pt Me	-
07	12	25	pt Me	-	07	17	39	bp Wk	-	07	18	02	bps Sr	-	07	21	45	b TC	-
08	00	30	bps Mc	-	08	05	14	b Te	-	08	08	35	bp Ir	-	08	11	23	ssc Es	-
09	01	06	bp Kg	-	09	02	41	bps Me	-	09	05	25	bs Hu	-	09	05	50	bp Te	-
09	10	24	pt Me	-	09	11	06	pt Lu	-	09	12	11	pt Ky	-	09	13	30	bp DU	-
09	16	39	bps Wk	-	09	17	43	si Co	-	09	22	52	sfe Te	-	10	05	59	pg Mw	-
10	06	45	bp Te	-	10	07	19	si Sr	-	10	08	16	pt TI	-	10	10	10	pt Me	-
10	18	00	b Od	-	11	00	48	pt Sr	-	11	15	10	pt Hu	-	11	18	34	pt TI	-
11	19	15	pt TI	-	11	22	00	pt Sr	-	12	14	10	pt Ks	-	12	14	41	pt Wn	-

TABLE 4 MINOR DISTURBANCES 1962 - continued

(AUGUST)

d	h	m		d	h	m		d	h	m		d	h	m					
12	21	35	bp Kg	-	14	01	35	b TC	-	14	18	25	b Hu	-	14	20	45	ssc Tr	-
15	01	00	bp Sr	-	15	02	05	bp Mc	-	15	04	33	b TC	-	15	08	20	bp Ir	-
15	09	50	pt Mé	-	15	10	07	pt Me	-	15	14	10	pt Hu	-	15	16	30	bp Gn	-
15	19	03	si Co	-	15	20	01	ssc Tr	-	15	20	22	bps Mw	-	15	20	53	pt Wn	-
16	02	09	bs Ag	-	16	05	03	si Am	-	16	06	10	b Hu	-	17	10	55	pt PM	-
17	11	53	pt Es	-	17	13	41	pt To	-	17	15	28	bp Wk	-	17	23	18	pt Vi	-
18	00	32	pt Me	-	18	04	57	si Be	-	18	05	24	bp Od	-	18	09	02	pt Me	-
18	13	09	sfe Te'	-	18	16	52	bp Wk	-	18	18	02	pt Wn	-	18	21	06	bps Mw	-
19	01	06	bp TC'	-	19	10	10	pt Me	-	19	14	32	pt Wk	-	19	17	11	pt Ma	-
19	18	24	pt Es	-	19	21	40	b Tn	-	20	12	00	pt Hu	-	20	14	53	pt Hu	-
20	21	08	bs Ks'	-	20	23	49	pt Lu	-	21	02	00	pt Sr	-	21	03	30	bp Te	-
21	06	47	bs Te'	-	21	07	44	pt MI	-	21	09	09	ssc Db	-	21	16	47	ssc Cm	-
22	07	13	si Es	-	22	15	12	pt Ky	-	22	19	05	pt Me	-	22	21	20	pt Me	-
23	00	57	si Te'	-	23	01	49	pt MB	-	23	05	36	pg Od	-	23	10	50	pt Me	-
23	18	26	ssc TI	-	23	19	29	sfe Te	-	24	00	07	pt Lu	-	24	07	20	pg Od	-
24	11	10	pt Hu	-	24	14	45	bp Mu	-	24	15	15	pg Fü	-	24	20	15	si Tr	-
24	20	52	si Mu	-	25	04	13	pt Gn	-	25	06	01	pt Gn	-	25	06	33	pg Od	-
25	12	21	bp Gn	-	25	13	00	bps Mo	-	25	13	47	pt Lu	-	25	14	45	pt TI	-
25	23	48	bp Lg	-	26	00	24	si Hl	-	26	01	14	si Sw?	-	26	05	30	bps Me	-
26	10	26	pt Lu	-	26	10	55	si Co	-	26	15	30	pt Hu	-	26	16	07	pt Hu	-
26	23	00	pt Ma	-	26	23	30	pt Es	-	27	00	40	pt Hu	-	27	01	30	pt MB	-
27	02	30	pt Sr	-	27	18	56	si Hl	-	27	22	46	pt MB	-	28	03	02	bp Tl	-
28	07	02	pt Me	-	28	11	00	pg Su	-	28	13	12	pt Hu	-	28	14	40	pt Hu	-
28	15	37	pt Ma	-	28	16	05	bp Wk	-	28	21	49	bps Mw	-	29	00	35	pt Lu	-
29	01	20	ssc HI	-	29	03	10	pt Hu	-	29	04	20	pt Hu	-	29	07	56	ssc Sw	-
29	09	00	pt Ky	-	29	09	14	ssc Mc	-	29	09	55	si Pe	-	29	10	21	si Te	-
29	16	52	pt Wk	-	29	18	26	bp TI	-	29	19	05	pt Ma	-	29	19	58	ssc Tr	-
29	22	55	si Me	-	29	23	40	ssc Ag	-	30	04	48	pt Te	-	30	11	00	ssc Sw	-
30	16	07	pt Wk	-	30	22	00	si MI	-	31	01	25	si DU	-	31	01	55	si So	-
31	03	33	b Te	-	31	09	50	pt Me	-	31	12	15	b Ir	-	31	12	32	pt Me	-
31	17	22	pt Tk	-	31	17	44	pt Tk	-	31	19	48	bs Tr	-	31	23	37	ssc Ap	-

SEPTEMBER

01	12	00	b Hu	-	01	12	16	bp Hr	-	01	14	58	bp Wk	-	01	19	03	pt Ma	-
01	20	58	bp Wk	-	01	21	20	b Pe	-	01	22	55	pt CF	-	02	03	48	b Te	-
02	04	22	bps Hu	-	02	09	07	b Te	-	02	10	55	pt Me	-	02	11	13	si Vl	-
02	12	43	bp Wk	-	02	13	22	bp Bi	-	02	14	01	pt Me	-	02	17	44	bp Wk	-
02	19	44	bps Mo	-	02	20	32	b Ak	-	02	22	04	pt Ma	-	03	04	00	bps Te	-
03	04	24	b SJ	-	03	09	35	pt Me	-	03	10	50	bs Ir	-	03	11	05	pt Me	-
03	15	08	bp DU	-	03	16	15	bps Kn	-	03	19	30	si TC	-	03	21	59	pt CF	-
03	23	24	si Es	-	04	02	58	b Te	-	04	10	25	b Ir	-	04	11	15	pt Me	-
04	14	08	pt Wk	-	04	19	20	pt Cm	-	05	04	00	bp Br	-	05	08	45	b Te	-
05	10	25	pt Me	-	05	11	37	pt PM	-	05	16	44	bs Fü	-	06	02	35	bp Tl	-
06	04	21	bp Te	-	06	06	51	b Sw	-	06	14	07	bp DU	-	06	20	47	pt Wk	-
06	20	59	bp Wk	-	06	23	40	b SF	-	07	06	42	bp TI	-	07	07	12	b Te	-
07	07	25	bps Ag	-	07	18	40	pt TI	-	07	23	47	b SF	-	08	00	10	bp Mw	-
08	01	24	pt TI	-	08	08	48	ssc Tf	-	08	10	10	pt Me	-	08	17	20	b Mc	-
09	03	50	pt Hu	-	09	04	27	pt Hu	-	09	05	30	pt Sr	-	09	12	14	ssc Ma	-
09	17	18	pt TI	-	09	19	51	bp Tf	-	10	01	07	bs Hu	-	10	09	48	bp Am	-
10	17	36	pt TI	-	11	02	05	pt MI	-	11	02	56	si Hl	-	11	08	50	bps Me	-
11	18	44	si Bi	-	11	18	57	ssc Lg	-	12	02	55	si Ks	-	12	03	14	ssc Tr	-
12	06	27	bps Sr	-	12	07	20	ssc TC	-	12	14	02	si Mu	-	12	18	21	bps Mw	-
12	20	20	pt Hu	-	12	22	56	si Vl	-	13	04	18	pt Hu	-	13	06	54	bps SJ	-
13	10	40	pt Hu	-	13	11	20	pt Hu	-	13	11	43	pt To	-	13	17	18	si Vl	-
14	03	38	b Te	-	14	03	50	bps Hu	-	14	05	45	pg Mw	-	14	07	00	bp Sr	-
14	07	18	b Ap	-	14	07	39	si Vl	-	14	10	27	pt Hu	-	14	12	29	pt MI	-
14	14	20	pt PM	-	14	21	15	pt Aq	-	14	23	30	pt Hu	-	14	23	45	pg Me	-
15	03	47	bp Mw	-	15	11	52	si Gn	-	15	13	15	bp Mu	-	15	13	41	pt MI	-
15	14	24	pt PM	-	15	21	45	b Bi	-	16	00	35	bp Tl	-	16	01	50	pt Mu	-
16	04	20	si Hl	-	16	09	46	pt MI	-	16	12	00	bp PM	-	16	20	41	bp Hr	-
16	23	13	pt Eb	-	16	23	44	pt Pe	-	17	01	05	pt MB	-	17	05	50	pt Hu	-
17	10	30	pt Hu	-	17	10	48	pt To	-	17	14	52	pg DU	-	17	16	00	pt Hu	-
17	21	12	bp Tf	-	18	05	30	pt Hu	-	18	06	40	pt Hu	-	18	09	06	pt TI	-
18	10	39	si Es	-	18	13	12	si Es	-	18	14	54	pt Hu	-	18	16	26	pt Gn	-

TABLE 4 MINOR DISTURBANCES 1962 - continued

(SEPTEMBER)

d	h	m		d	h	m		d	h	m		d	h	m					
18	17	54	pt TI	-	19	01	50	pt MB	-	19	05	00	pt Ks	-	19	05	29	bs Nu	-
19	09	15	pt Me	-	19	10	10	pt Hu	-	19	15	27	pt Wk	-	19	16	38	pt Wk	-
19	22	28	si Mw	-	20	02	20	pt Tw	-	20	03	00	pt Hu	-	20	05	40	bp Hu	-
20	08	40	pt Hu	-	20	09	50	pt Hu	-	20	10	14	ssc SF	-	20	10	40	pt Hu	-
20	11	45	pt Me	-	20	12	50	pt Hu	-	20	14	10	pt Hu	-	21	01	05	bp Wn	-
21	05	40	bp Ag	-	21	12	03	pt Am	-	21	17	43	bp TC	-	21	21	44	pt Mu	-
21	22	48	si Hu	-	21	23	15	bs Mu	-	22	02	20	pt Hu	-	22	10	45	bp Ir	-
22	13	54	bp DU	-	22	15	19	bp Wk	-	22	21	07	pt Wk	-	22	21	42	pt Hu	-
22	22	05	si Co	-	23	00	15	si Me	-	23	01	14	pt Hu	-	23	20	20	pt Hu	-
23	05	00	pt Ks	-	23	05	32	pg Mw	-	23	07	24	bp PM	-	23	09	20	pt Me	-
23	10	40	bp DU	-	23	11	00	pt Hu	-	23	12	20	pt Hu	-	23	13	34	pt PM	-
23	14	40	pt Hu	-	23	16	20	pt Hu	-	23	16	50	pt Hu	-	23	23	48	pt MB	-
24	00	00	pt MB	-	24	03	30	pt Hu	-	24	10	20	pt Hu	-	24	13	40	pt Hu	-
24	17	18	pt TI	-	24	19	54	pt Tn	-	25	00	19	b Ak	-	25	08	00	si Me	-
25	11	09	pt Am	-	25	12	27	pt PM	-	25	14	15	pt Wk	-	25	15	02	bp Wk	-
25	15	37	bp Wk	-	25	17	30	ssc MB	-	25	23	26	ssc TI	-	25	23	51	sfe TI	-
26	05	40	pt Hu	-	26	10	30	pt PM	-	26	11	55	pt Me	-	26	16	20	bp Ir	-
26	16	45	b Ni	-	26	23	42	bp Mu	-	26	23	58	pt Pe	-	27	01	37	pt Pe	-
27	05	00	pt Hu	-	27	09	30	pt Me	-	28	08	53	pt MI	-	28	11	52	pt Am	-
29	05	05	bp Hu	-	29	12	10	pt Me	-	29	13	27	b Ak	-	29	13	45	b Ir	-
29	14	02	pt Me	-	29	19	35	sfe Hu	-	29	40	20	b Ak	-	29	21	46	bp Wk	-
30	00	47	bp Ma	-	30	02	52	pt Hu	-	30	13	16	pt Me	-	30	16	40	sfe Hu	-
30	19	45	bs Ag	-	30	22	13	bp Mu	-	30	22	57	pt Ma	-					

OCTOBER

01	00	03	ssc Tr	-	01	00	40	pt Hu	-	01	04	00	ssc Ir	-	01	04	50	ssc Br	-
01	05	15	ssc Ag	-	01	05	42	ssc Me	-	01	07	40	ssc MB?	-	01	10	51	bp Vi	-
01	11	08	bps Sr	-	01	12	05	pt Me	-	02	01	20	pt Hu	-	02	03	45	bp Mu	-
02	10	13	b Ak	-	02	12	10	b Ir	-	02	20	13	pt Mu	-	03	03	41	si Me	-
03	07	54	bps Am	-	03	09	10	pt Me	-	03	13	00	bp Od	-	03	17	30	pt TI	-
03	18	35	b Ak	-	03	19	00	b Hl	-	03	22	49	b Ak	-	04	17	12	pt TI	-
04	21	13	bps St	-	05	11	30	pg Me	-	06	01	30	pt Hu	-	06	04	00	b Mu	-
06	06	51	bps Am	-	06	15	49	b Ak	-	06	21	10	bp Db	-	06	22	17	bp TC	-
06	23	00	b Ak	-	07	00	35	pt Mu	-	07	01	37	pt Hu	-	07	01	54	pt MB	-
07	02	12	pt MB	-	07	15	29	pt PM	-	07	16	00	pt Gn	-	07	21	47	bp CF	-
08	01	10	bp Kg	-	08	02	01	si Mw	-	08	04	27	ssc Mu	-	08	10	10	bp Ir	-
08	18	36	bps TC	-	08	22	33	si Co	-	09	00	05	bp Kg	-	09	00	22	pt Hu	-
09	00	40	b Ks	-	09	03	03	si Kn	-	09	03	20	si Kn	-	09	04	10	b Te	-
09	06	51	b Te	-	09	12	05	pt Me	-	09	20	31	bps Mw	-	10	03	35	sfe Sw	-
10	13	22	sfe Te	-	10	18	08	b Ak	-	11	06	15	si Sr	-	11	12	38	bp PM	-
11	13	45	si Be	-	11	17	33	si Co	-	11	20	27	bp TC	-	12	04	42	pg Mw	-
12	07	02	pt Hu	-	12	09	00	pt Hu	-	12	09	24	b Sp	-	12	09	45	pt Pe	-
12	10	43	pt PM	-	12	12	00	si Ak	-	12	19	38	si Co	-	12	21	05	bp Bi	-
12	23	15	pg Me	-	13	00	20	pt MB	-	13	06	40	pt Ha	-	13	11	00	pt Me	-
13	11	20	pt To	-	13	11	47	pt PM	-	13	12	45	pt Bi	-	13	14	48	b Pe	-
13	15	19	pt Wk	-	13	17	00	bp Mu	-	13	23	05	pt MB	-	14	07	24	bps Am	-
14	09	20	si Be	-	14	10	10	bp Ir	-	14	10	29	bp DU	-	14	12	03	pt To	-
14	12	40	pt PM	-	14	13	43	b Ak	-	14	14	18	b Ak	-	14	15	20	pt Wh	-
14	18	27	pg Bi	-	14	20	28	pt Cm	-	14	23	16	bp Bi	-	15	12	56	pt PM	-
15	13	21	pt Es	-	15	22	12	pt MB	-	15	22	43	pt MB	-	15	23	30	pg DU	-
16	01	02	pg DU	-	16	02	01	pg DU	-	16	12	30	pt Me	-	16	13	30	b Gn	-
16	15	00	bps Od	-	16	18	17	bp Mu	-	16	19	58	pt Wn	-	17	07	40	pt Hu	-
17	11	03	pt MI	-	17	11	30	pt PM	-	17	19	00	bs Hl	-	18	00	00	pt Hu	-
18	00	22	pt MB	-	18	03	00	b Ak	-	18	16	48	b Sw	-	18	21	05	pg Me	-
19	06	58	ssc To	-	19	08	00	bp Od	-	19	09	05	sfe Ir	-	19	10	56	si Bi	-
19	12	27	b Ak	-	19	16	00	bp Mu	-	19	22	42	si Co	-	20	02	52	si Hl	-
20	03	08	si Hl	-	20	08	30	si Ho(effect nucl. explosion)	-	20	11	35	pt PM	-					
20	12	29	pt Te	-	20	12	55	pt PM	-	20	14	40	bp Wk	-	20	16	39	bp Wk	-
20	17	53	si MI	-	20	18	04	pt Qu	-	20	19	02	bps Mw	-	20	20	10	si Te	-
20	21	18	si Te	-	21	00	09	sfe Sw	-	21	00	47	pt MB	-	21	01	51	si DU	-
21	02	10	pt MB	-	21	03	36	b Te	-	21	04	37	pg Mw	-	21	10	42	pt Pe	-
21	12	15	pt PM	-	21	16	48	pt Gn	-	21	17	32	b Ak	-	22	04	33	pt PM	-
22	11	40	si Bi	-	22	13	48	bp Sr	-	22	14	20	b Ir	-	22	18	57	pt PM	-
22	20	48	pt Cm	-	22	21	12	bps Bi	-	22	22	45	si Tr	-	23	08	43	pt Hu	-

TABLE 4 MINOR DISTURBANCES 1962 - continued
(OCTOBER)

d	h	m		d	h	m		d	h	m		d	h	m					
23	12	55	bp PM	-	23	13	24	b Ak	-	23	14	24	bp PM	-	23	16	51	bp Wk	-
23	21	00	b Ak	-	23	21	45	bp Tf	-	24	02	23	bp TC	-	24	02	40	bp Tl	-
24	03	40	ssc TI	-	24	06	39	pt Te	-	24	13	01	bp Wk	-	24	14	42	pt PM	-
24	17	40	bps Mw	-	24	20	03	pt Cm	-	25	04	12	pt Hu	-	25	04	55	si Te	-
25	10	31	pt PM	-	25	12	39	b Od	-	25	13	51	ssc Mc	-	25	15	24	bp PM	-
25	19	39	pt PM	-	25	20	00	bp Mu	-	25	22	39	si Wk	-	26	07	12	ssc Me	-
26	09	00	pt PM	-	26	10	05	pt Me	-	26	11	15	ssc Ir	-	26	12	02	pt Me	-
26	13	46	bp Wk	-	26	14	05	pt Me	-	26	19	15	bp Mu	-	26	20	33	bp Tf	-
26	21	00	b Ak	-	27	05	59	bp Vl	-	27	06	51	si MI	-	27	11	54	b Od?	-
27	14	50	bp Ir	-	27	17	24	b IK	-	27	20	30	pt Tf	-	27	20	45	bp Mu	-
27	21	09	si Co	-	27	23	18	pt MB	-	27	23	48	si Mw	-	28	00	39	pt Cm	-
28	01	50	pt PM	-	28	04	41	si Qu	-	28	23	05	ssc Ag	-	29	23	05	bp Bi	-
30	00	15	pt MB	-	30	10	27	pt PM	-	30	15	08	pt Od	-	30	15	34	pt Cm	-
30	17	21	sfe Hu	-	30	22	56	si DU	-	30	23	32	pt Eb	-	31	00	22	pt MB	-
31	01	18	bp Tl	-	31	10	13	pt PM	-	31	10	40	pt To	-	31	19	07	pt Mu	-

NOVEMBER

01	01	10	pt Eb	-	01	02	40	pt Hu	-	01	09	00	pt PM	-	01	11	40	pt Hu	-
01	12	10	si Ho (effect nucl. explosion)	-	01	13	18	pt PM	-	01	15	40	pt PM	-					
02	10	12	pg Me	-	02	11	42	pt PM	-	02	16	35	b Ir	-	02	19	34	bp Mc	-
02	22	25	b TC	-	02	22	36	bp Od	-	03	10	33	bps PM	-	03	12	59	pt PM	-
03	14	59	pt PM	-	03	15	20	bp PM	-	04	03	12	si Hl	-	04	07	11	ssc Ag	-
04	09	48	pt PM	-	04	11	10	bp Ir	-	04	14	33	pt Gn	-	04	17	15	b Ir	-
04	19	12	bp Tf	-	05	01	10	si Be	-	05	03	32	si Lg	-	05	14	42	pt Hu	-
05	19	46	pt Hu	-	05	20	01	pt Tw	-	05	20	42	pt Tn	-	05	21	29	pt Cm	-
05	21	50	pg Me	-	05	23	30	pt Sr	-	06	03	14	ssc Qu	-	06	07	15	pt Hu	-
06	08	55	b TC	-	06	13	25	pt To	-	06	14	02	b TC	-	06	15	05	bp Ir	-
06	16	05	pt Cm	-	06	18	51	pt Pe	-	06	19	44	si Te	-	06	20	00	b Su	-
06	20	32	pg PM	-	07	01	22	b Hu	-	07	10	17	bp PM	-	07	10	34	bp DU	-
07	11	56	bp PM	-	07	19	10	pt PM	-	07	19	35	pt TI	-	07	19	47	si Co	-
07	20	42	bp Th	-	08	06	59	si Es	-	08	14	01	bp PM	-	08	14	15	b Ir	-
08	15	35	pt Wk	-	08	15	52	pt PM	-	08	16	50	pt TI	-	08	18	14	si Co	-
08	20	07	ssc Tr	-	09	01	35	si DU	-	09	05	47	si Be	-	09	12	10	pt Hu	-
09	12	55	pt PM	-	09	14	03	pt PM	-	09	15	39	pt Te	-	09	18	22	si Co	-
09	19	(52)	pt PM	-	09	20	55	pt Mu	-	09	22	46	bp IK	-	09	22	58	pt PM	-
10	08	15	si Vl	-	10	12	47	pt TI	-	10	16	00	bps TI	-	10	16	50	pt Hu	-
10	19	10	si Me	-	10	20	19	pt Ma	-	10	22	00	pt Sr	-	11	04	40	ssc Ag	-
11	05	00	pt Hu	-	11	05	15	pt PM	-	11	06	09	pt Te	-	11	07	00	pt TI	-
11	09	30	sfe Mc?	-	11	11	30	pt PM	-	11	11	48	bp Wk	-	11	13	20	bp TI	-
12	00	00	pt Hu	-	12	13	06	pt PM	-	12	17	10	pt PM	-	13	13	46	pt PM	-
13	15	23	pt PM	-	13	15	46	pt PM	-	13	16	44	pt PM	-	14	03	40	pt SM	-
14	10	30	pt Hu	-	14	10	47	pt PM	-	14	12	45	pt PM	-	14	15	23	pt To	-
14	19	18	bps Ni	-	15	04	21	ssc Mw	-	15	06	15	ssc Qu	-	15	08	48	ssc TI	-
15	10	46	pt PM	-	15	12	40	pt Me	-	15	13	15	si CF	-	15	20	25	bp Mu	-
16	04	50	pt TI	-	16	06	05	pt TI	-	16	09	10	si Hl	-	16	20	13	pt Cm	-
17	10	34	pt PM	-	17	16	11	sfe Hu	-	17	20	36	pt PM	-	17	21	20	pt Sr	-
17	23	33	bp Tf	-	18	13	50	pt Hu	-	18	18	13	pt PM	-	19	15	05	pt PM	-
19	19	00	pt Mu	-	20	06	21	bp Pe	-	20	06	55	pt Me	-	20	07	56	pt PM	-
20	14	45	pt Mu	-	20	15	51	si Me	-	20	20	44	bp Vl	-	21	02	30	pt PM	-
22	02	00	b Ak	-	22	02	46	b Pe	-	22	09	00	pt Me	-	22	11	01	pt Me	-
22	17	27	bp Ni	-	22	18	33	si Co	-	22	21	56	bps Vl	-	23	10	10	pt Me	-
23	10	43	bps Am	-	23	13	09	b Od	-	23	16	21	b Pe	-	23	22	07	bp TC	-
23	22	22	b Pe	-	24	11	50	b Ir	-	24	13	56	pt PM	-	24	21	45	pt MB	-
25	03	30	pt PM	-	25	09	30	bp Sr	-	25	09	45	b Ir	-	25	11	00	b Ak	-
25	20	25	bp Vl	-	25	22	00	pt Sr	-	25	23	49	pt Eb	-	26	11	27	pt PM	-
26	14	27	pt PM	-	26	15	18	pt MI	-	26	19	34	bp Tf	-	26	19	46	b Ak	-
26	19	58	pt PM	-	27	11	20	pt TI	-	27	12	04	pt MI	-	27	21	00	pt Mu	-
27	23	49	bp Pe	-	28	10	20	pt Hu	-	28	13	49	si Co	-	29	06	15	ssc SM	-
29	09	05	pt PM	-	29	10	10	pt Hu	-	29	22	29	pt Mu	-	30	00	00	bp TI	-
30	09	00	pt Me	-	30	10	00	b Ir	-	30	13	25	bp PM	-	30	19	39	ssc Tr	-

DECEMBER

01	15	00	bp Gu	-	01	15	33	pt Wk	-	01	15	46	bp IK	-	01	22	47	pt Mu	-
01	23	40	pt Mu	-	02	08	40	pt To	-	02	09	00	pt Am	-	02	09	26	bp Me	-

TABLE 4 MINOR DISTURBANCES 1962 - continued

(DECEMBER)

d	h	m	d	h	m	d	h	m	d	h	m
09	13	55	pt	To	-	02	14	15	pt	Wk	-
03	03	33	ssc	Mc	-	03	07	12	si	Mc	-
03	23	52	pt	Mu	-	04	01	00	pt	Mu	-
04	08	54	bp	Te	-	04	12	30	b	Ir	-
04	16	30	bp	Ir	-	04	17	03	si	Tw	-
05	00	12	bp	SM	-	05	03	33	ssc	Tf	-
05	22	37	si	DU	-	05	23	35	si	DU	-
06	07	07	pt	Hu	-	06	08	00	pt	Hu	-
07	15	44	pt	Wk	-	07	16	16	pt	Tk	-
07	20	51	pt	Tf	-	07	23	15	pg	Me	-
08	01	45	pt	MB	-	08	08	00	pt	Hu	-
09	03	55	pt	Hu	-	09	04	40	bp	Hu	-
10	11	06	pt	Cm?	-	10	17	00	pt	Wk	-
10	22	30	b	TC	-	10	23	10	pt	Pe	-
11	03	30	bp	Hu	-	11	03	52	ssc	Me	-
11	19	48	bps	Db	-	11	22	10	b	MB	-
12	21	46	si	Te	-	13	02	35	bp	Mu	-
13	13	35	pt	Me	-	13	17	54	bs	Ks	-
14	14	30	si	MI	-	14	17	12	bp	PM	-
15	06	24	bp	Vl	-	15	19	12	b	Pe	-
16	13	24	bp	Sr	-	17	05	37	ssc	Lg	-
18	00	00	bp	Pr	-	18	02	18	si	Mw	-
18	16	40	pt	Vi	-	18	16	57	pt	Ma	-
19	01	24	b	Te	-	19	02	10	bp	Mu	-
19	16	45	si	Me	-	19	17	13	bp	Mc	-
20	04	24	bp	Te	-	20	04	39	si	Sr	-
20	18	40	pt	Vi	-	21	00	15	b	Mc	-
21	14	51	bp	Mc	-	21	15	24	bp	Tf	-
22	14	27	bp	Mc	-	22	18	07	pt	Fü	-
23	16	25	pt	Hu	-	24	05	00	bp	DU	-
24	13	12	pg	SM	-	24	18	06	pt	Tf	-
25	15	25	b	Mo	-	25	16	37	si	Me	-
26	12	(04)	pt	Wk	-	26	18	33	si	So	-
27	13	30	pt	Hu	-	27	15	52	pt	Tk	-
28	15	20	pt	Hu	-	28	18	34	pt	Cm	-
29	20	41	bps	Mw	-	29	20	56	pt	Mu	-
30	20	22	pt	Tk	-	31	09	05	bp	Ho	-
						31	13	24	bs	Tr	-
									31	15	00
									b	Ir	-

TABLE 5a SOLAR-FLARE EFFECTS (S. F. E.'S) 1962

Starting-times of solar-flare effects checked by 65 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 reports have been sometimes taken into account in order to get a better knowledge of the real effect observed are included in square-brackets. Strong effects are marked by an asterisk.

JANUARY

none

FEBRUARY

20d 05h 54m A: Mu AA - B: Tf Qu Tn To - C: Mb Ak Ka Ky PM Gn - D: Sr Kn Ir Ky Hb Aq Tk IK TI Ks Ss Gu Hr Am Kg MI Wk DU Ht SB - E: Sw Mw.

MARCH

02d 12h 20m A: Fü (Tu) (Te) - B: Es St Sw Gt Kv Ma CF Hb [Ag] Aq Tf IK Ci Fr Ak Qu (Ho) SJ MB Mc [Hu] Tn - C: Do Le Wn Ni Db Lg Tk Eb TISM Ks AA Va Hr - D: Kn TI - E: (Co) (Sr) (Mb) (Ka) (Ky) (Wk) Mw - X: Kg (Ht) - (si: B: Vl Pr² - ssc: C: So² - b: (PM)).

04d 10h 25m A: (Sr) - B: Es St Wn Vl Ma Db Pr Fü Aq Tf IK Ak MB (PM) Tn (To) Kg - C: So Do Le Ni Kv Hb Lg Tk Eb Ci Ti SM Ks Mc Va - D: Kn Ir TI Qu Gn - E: (MI) Wk Mw - (si: B: Sw Gt AA; C: CF Hr).

APRIL

19d 19h 35m A: Fr Ho Te - B: Tu - C: Co Sr Si Vi SM SJ - D: Le Vl Ap Am -X: (Qu).

27d 14h 13m* A: Wn Sw Gt Ma Db Pr Fü Hb Lg IK Ks Tu Te MB Hr - B: Le Es St Ni Vl Kv CF Aq Eb Ci Tl Fr TI SJ Tn Va - C: Do Tf Ak SM Mc - D: So Si Kn Vi - E: Co (MI) (Mw) - (si: A: AA - b: (PM)).

MAY

none

JUNE

24d 13h 34m A: Co IK (Mu) - B: So Es St Gt Ma Fü Hb Lg Ci Fr TI Tu (Ho) MB (PM) [Hu] (Kg) - C: Do Le Si Wn Ni Vl Kv Db CF Aq Tf Tk Eb Tl Ak Ks Qu Te SJ Mc AA Tn Va - D: Kn Pr Vi Hr - E: Sw (MI) (Wk) - (si: C: SM).

JULY

none

AUGUST

14d 02h 45m B: Ka Ky Gu - C: Sr Kv Tf TI Ss Ap - D: So Si Kn Ir Vi Tk Qu Ho PM Gn To Am Wk DU - E: Co (Tl) Ak Mi (Mw) - X: Mb -(si:A:Mu).

20d 09h 30m A: Sr Kn IK Ks AA - B: Ma Tf Ak (Wk) - C: So Do Le Sw Vl Gt Kv Fü CF Hb Aq Tk SM Mu Mc - D: Es Ir Ni Db Pr Eb Ci Ky Qu MB Tn Gn Hr Kg - E: St (MI) Mw - X: Lg Tl TI - (si: C: wn).

SEPTEMBER

none

NOVEMBER

none

OCTOBER

none

DECEMBER

none

TABLE 5b DOUBTFUL SOLAR-FLARE EFFECTS 1962

Starting-times of presumed solar-flare effects checked by 65 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 effect observed are indicated in square brackets. Effects which very probably are real sfe are indicated by an asterisk.

JANUARY

27d 14h 28m B: St Vl Gt SM MB [Hu] {MI} - C: Le Es Wn Ma Hb Lg IK Tl Fr Tu
Tn Va Hr Kg Wk Mw - D: Do Sw Ni Db Pr Fü Aq Eb Ci Ks Te SJ
AA Mc Ht SB - E: CF (Qu) {DU}.

FEBRUARY

none

MARCH

01d 16h 36m B: (Tf) Fr Tu - C: Le Db Vi SM Te SJ Va - D: Es St Vl Ma Fü Lg
Aq Eb Ci Tl Mc Hr - E: {Co} (Sr) Si (Kn) {Sw} CF (MB) (Tn) {Mw} -
(b: C: Wn MB).

13d 14h 48m* A: Fr Hr - B: Wn Vl SJ MB - C: Le St Ni Gt Ma Fü Lg Aq Tf Eb
Ci SM AA Mc Va - D: So Do Es Sw Kv Db Pr Vi Hb IK Tl Ks Tu
Te - E: CF - X: {TI}.

15d 11h 01m* A: Fü Hb IK Ak Qu (Ho) MB AA (To) - B: Kn Es Ir Ni Gt Kv Ma Lg
Aq Tk (Tu) (Mu) (Gu) Mc (PM) Tn - C: Do Le Sw Vl Db Tf Ci SJ Hr
Mw - D: Eb SM - E: (Sr) St Pr CF Tl Ks (MI) Wk {DU} - X: TI Kg -
(si: C: Wn Va - b: C: So).

16d 03h 53m* B: Kn Mb Ka Ky - C: Tf Ss Mu To - D: Sr Ir Kv Tk Ak Ks Qu Ho
Gu PM Ap Tn Gn Am Kg MI DU Ht SB - E: AA Wk Mw - X: TI.

24d 14h 00m B: St Wn Gt Ma Db MB [Hu] - C: So Do Le Kv Fü CF Hb Lg Aq Tf
Ci Fr SM Va Hr - D: Kn Es SwNi Vl Pr IK Eb Tl Ak Ti Ks Te SJ
AA Mc Tn - E: (Mb) (Ka) (Ky) (MI) {Mw}

25d 12h 27m* A: AK (Mw) - B: Le Es Gt Ma Db Pr Fü Lg Tk IK [Pa] (PM) Tn -
C: Wn Sw Kv CF Hb Aq Tf Ci Tl Fr SM MB Hr Kg - D: So Do Kn
St Ni Vl Eb Ti SJ AA Mc Va - E: {Co} (Sr) (Si) Ks Qu(MI) {Wk} Mw.

31d 07h 23m* A: IK Ak Mu AA - B: Fü Hb Tf Tk (Fr) (Tu) Qu (Ho) Kg - C: Do Le Es
Wn Sw Vl Gt Kv Ma Mb Lg Aq Ka Ky Gu Mc PM Tn Hr Mw - D:
So Kn Ir Ni Db Pr Eb Ci Ti Ss MB Gn To DU - E: Sr CF TlKs Wk
- X: St {MI}.

31d 08h 38m A: AA - B: [Wi] Kv Pr Fü Hb Tf Tk Ak (SJ) Kg - C: Do Le Es Wn
Sw Gt Ma Db Lg Aq IK SM MB Mu Mc Tn - D: So Kn St Ir Ni Vl Eb
Ci Tl Ss Gn Hr - E: {Sr} CF Mb Tl Ka Ks Ky Qu (Te) {MI} Mw.

APRIL

03d 10h 00m A: {Fr} AA - B: So Vl Kv Ma Db Fü Tf IK Tl (Tu) Mc Kg - C: Le
Es Sw Ni Gt CF Hb Eb Ci Tl Ak SM Mu - D: Ir Pr Tk Tn Va Gn
Hr - E: (Co) Do St Wn {Mb} Lg Aq {Ka} Ks {Ky} Qu Wk - X: Kn - (b:
MB?).

12d 10h 22m* A: Ks {Mu} - B: St Sw Vl Kv Db Fü Tf Tk IK (Fr) Ak Ti Qu SJ - C:
So Do Le Es Wn Ni Gt Ma Pr CF Lg Aq Eb Tl SM MB Mc - D: Kn
Ir Hb Ci AA Tn Va Hr Kg - E: {Wk} Mw.

13d 08h 47m B: Lg Tn Kg - C: Gt Aq Tf Eb Ks Qu AA Hr - D: So Sr Do Le Kn
Es Wn Ir Sw Ni Vl Kv Ma Db Fü CF Hb Mb Tk IK Ci Tl Ak SM
Ka Ti Ss Ky MB Mu Mc Gn Wk - E: Mw - X: St Pr.

17d 14h 45m* B: Es St Ni Gt Ma Db Pr Fü Hb Lg Fr - C: So Si Wn Vl Kv CF Aq
Tf Eb Ci Tl SM Tu Te MB Va - D: Kn Sw Vi IK Ks SJ AA Mc Hr
E: Co Do Le (Ka) (MI) {Mw} - X: TI

TABLE 5b DOUBTFUL SOLAR-FLARE EFFECTS 1962

(APRIL)

24d 12h 15m A: {Sr} - B: Sw Gt Fü Hb Fr Ak TI Mc (DU) - C: Le Es Kv Db CF Aq Tf Tk IK MB AA - D: So St Ni Vl Ma Pr Lg Eb Ci Tl SM Ks SJ Tn Va Hr Kg - E: {Co} Do Wn (Mb) (Ka) (Ky) Qu (Wk) {Mw} - X: Kn.

MAY

01d 06h 43m A: IK AA - C: So Wn Gt Kv Mb Aq Tf Ka Ky Mu Hr - D: Sr Do Le Kn Es St Ir Sw Ni Vl Ma Db CF Hb Lg Tk Eb Ci Tl Ak TI Ks Ss Qu Gu Mc Tn Gn To Kg - E: {Co} (MI) Wk Mw - X: Pr Fü.

01d 19h 17m B: (IK) {Eb} Fr Ho [Hu] - C: Le Si SM Tu Te SJ MB - D: Co Sr Do Es St Vl Vi Ci Ap Va - E: (Wk) (Mw).

09d 10h 28m A: IK {Mu} - B: St Ak TI Kg - C: Do Le Wn Sw Vl Gt Kv Ma Db Fü CF Hb Tk Fr SM Qu SJ AA Mc Tn Hr - D: Kn Es Ir Ni Pr Ag Tf Eb Ci Tl Va - E: Ks (MI) - (si: B: Lg - ssc: C: So - b; B: Am - C: MB).

21d 10h 56m A: Ks - B: TI MB AA - C: Ma Tf Ak Mc - D: So Do Le Kn Es St Wn Ir Sw Ni Vl Gt Kv Db Pr Fü CF Hb Lg Ag Tk IK Eb Ci Tl Fr SM Qu SJ Tn Va Hr Kg - E: {Mw} - X: {DU}.

JUNE

22d 07h 30m A: Lg - B: Le Es Sw Vl Gt Kv Hb Tf Ci TI MB Kg - C: Do Ma Db Fü Ak SM Mu Gu Mc Tn Hr - D: Ir Ni Pr Aq IK Eb Ss PM - E: Co Sr Kn Wn CF Mb Tk Tl Ka Ks Ky Qu AA Gn (MI) - X: St - (si: So).

JULY

20d 12h 21m A: Te - B: Es St Sw Gt Lg Tf Fr (Mu) AA - C: Do Le Vl Kv Db CF Hb Tk IK Ci Tl Ak SM SJ MB Mc - D: Kn Ir Ni Ma Pr Fü Eb Tr Va Hr - E: So Co {Si} Wn Aq {Tu} Qu {Kg} (MI) {Mw} - X: Tl (Ht) - (si: Ks)

AUGUST

14d 12h 12m B: St Ni Tf Ak - C: Le Wn Vl Gt Kv Ma Db Lg IK SM Ks SJ Hr - D: Do Ir Pr Fü Hb Tk Eb Ci Tl TI Qu AA Mc Tn Va - E: {Co} Es Sw CF Aq (MI) (Wk) - X: Sr Kn Fr - (b: So? MB?).

28d 11h 37m* A: IK (Mu) - B: Gt Ma Db Fü Lg Tf Ci TI MB - C: So Do Le Kv Hb Aq Tk Eb Tl Ak Qu AA Tn Va - D: Kn Es Ir Ni Vl Pr SM Ks SJ Mc Hr Kg - E: Wn Sw {Mw} - X: St CF.

SEPTEMBER

07d 15h 13m B: Co [Hu] - C: So Le Si Wn Sw Gt Tf IK Fr SM Tu - D: Do Kn Es St Ni Vl Kv Ma Db Pr Vi Fü CF Hb Lg Aq Eb Ci Tl Ks Te SJ AA Mc Va Hr - E: MB (MI) {Mw}.

OCTOBER

none

NOVEMBER

none

DECEMBER

10d 05h 00m A: (Co) AA PM Tn - B: (Gt) Tf (Eb) Ak (Tu) - C: Tk Qu Hr - D: Ir Ss Mu Ap Gn To Am Ht SB - E: (CF) Mb Ka Ks Ky Gu Kg Wk DU Mw - X: (Db) TI MI.

TABLE 5c REJECTED SOLAR-FLARE EFFECTS 1962

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

JANUARY

none

FEBRUARY

01d 15h 53m - 01d 16h 40m - 01d 16h 55m - 19d 13h 30m - 22d 14h 10m -
25d 13h 50m - 25d 17h 30m -

MARCH

01d 21h 20m - 02d 12h 45m - 17d 19h 39m -

APRIL

01d 17h 25m - 13d 09h 49m - 15d 19h 50m - 15d 22h 03m - 20d 19h 59m -
21d 20h 11m -

MAY

05d 16h 05m - 31d 13h 12m -

JUNE

05d 23h 54m - 13d 09h 40m - 16d 17h 09m -

JULY

01d 18h 06m - 05d 19h 25m - 08d 13h 50m -

AUGUST

09d 21h 20m - 23d 15h 22m -

SEPTEMBER

05d 16h 45m - 30d 17h 49m -

OCTOBER

none

NOVEMBER

15d 09h 39m -

DECEMBER

17d 11h 38m -



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