

IAGA Bulletin No. 12 t2

INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS

ASSOCIATION OF GEOMAGNETISM AND AERONOMY

GEOMAGNETIC DATA 1965

RAPID VARIATIONS

by

A. ROMAÑA and J. VELDKAMP

Published for the International Council of Scientific Unions with the
financial assistance of Unesco

IUGG PUBLICATIONS OFFICE, 39 TER. RUE GAY-LUSSAC, PARIS (V)
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International Service of Geomagnetic Indices

Notice to the users of the Threemonthly- and Monthly Reports on Rapid Variations and the IAGA-Bulletins 12.2

In the IAGA-Bulletins 12 t 1 and 12 t 2 (1965) it has been announced on page VI and page IV respectively that the station Santa Cruz de Tenerife would be indicated by the symbol SZ. However, it appeared that in the lists of rapid variation data the symbol TC had been introduced already earlier and that the use of the latter symbol in these lists has been continued until recently, including the IAGA-Bulletin 12 v 2, 1967. To begin with the Threemonthly Bulletin April-June 1970, the monthly report of July 1970 and the IAGA-Bulletin 12 w 2, 1968, the symbol SZ will be used for Santa Cruz de Tenerife in all ISGI reports and bulletins.

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GEOMAGNETIC DATA 1965

RAPID VARIATIONS

Introduction

List of observatories. The list of observatories has been taken from Bulletin 12 t1 (Geomagnetic Data 1965, Indices K and C), with some little changes. Two stations should be added, as indicated below.

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. Beginning with this issue new station-symbols are used consisting of two capital letters. The Committee decided to make this change in order to facilitate the use of the symbols in procedures of mechanical typing, whereby no small (lower case) letter type is available. The new symbols were established during the IAGA-assembly at St.Gallen (1967) by the working Group on Magnetic Observatories. The old letter combinations were maintained as much as possible. For this reason and because no three-letter symbols are used, there are some differences with the symbols used by G. Fanselau in IAGA-Bulletin No. 20 (List of Observatories). However this will not cause any confusion, except for the symbol SC, which has been used for Santa Cruz, Tenerife, in the former Bulletin in this series (No. 12s), while in Bulletin 20 this symbol stands for Santa Cruz, Bolivia. Therefore, in the present Bulletin and the forthcoming Bulletin's No. 12, the symbol for Santa Cruz, Tenerife, will be SZ. The users are advised to change SC into SZ in the list of observatories on page 2 of the Bulletins 12 s 1 and 12 s 2. A survey of the old and the new symbols is given in the list of observatories.

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 disturbance on a day with character-figure C = 1.

The seventh to the 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.

The following two stations should be added to the list on pages 1 - 9.

Symbols new old		Observatory	Collaborator	Geographic		Geomagnetic	
				Lat.	Long.	Lat.	Long.
PP	Pp	Papeete (Tahiti)		-17° 34'	210° 35'	-15.3°	282.8°
LM	LM	Lourenço Marques		-25° 55'	32° 35'	-27.7°	95.8°

Symbols new old		Scale Values (γ /mm)			Lower Limit K = 9	Instruments	
		D	H	Z			
PP	Pp	5. -	1.7	0.8	350 γ	Normal sens. + fluxmeter for H	
LM	LM	2.2	3.3	3.1	300 γ	Normal sens.	

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), checked by 61 observatories. The times in the column at the left are mean values; but the extreme values attributed by some observatories to the beginning of the phenomenon are added in brackets. On printing grounds only the minutes are given. These minutes generally belong to the hour of the phenomenon; but if they are underlined, they belong to the preceding hour. 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 it was decidedly not recorded in the magnetograms, although the records were satisfactory
- E...when the phenomenon cannot be discerned because of heavy disturbance
- X...when the record 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 DO NU LE SI KN MO ES WN WI IR NI VL GT HA KV MA DB PR VI FU CF HB OD MT AG LG AQ TK EB TL FR AK SM KA SS TU KY QU TA HO TE SJ MB MU GU AA PA BA MC BI AP TN GN HR TO AM KG DU 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 that 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 based upon the monthly data only. The times at the left-hand side of the table are mean times. The extreme values attributed by some observatories to the beginning of the phenomenon are added in brackets. On printing grounds only the minutes are given. These minutes generally belong to the hour of the phenomenon, but if they are underlined they belong to the preceding hour. The observatories are mentioned in groups, according to the qualification (b, bs, bp, etc.) which they have attributed to the phenomenon in accordance with the definitions given by the Copenhagen- and Berkeley meetings. The classification symbols A, B, C, D, E, X, are the same as in Table 1a. The meaning of the symbols b, bs, etc. is:

- 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
- pi2..train of pulsations of irregular shape and beginning mostly impulsive, with period 40 - 150 sec., consisting of several series of oscillations, each series lasting about 10 minutes (pi2 corresponds with the former pt)
- pg...giant pulsations, viz., exceptional pulsations of very great period and regularity, with sufficient relative amplitude

If pulsations precede or follow the beginning of the bay with a time lag of not more than about ten minutes, then symbols bp and bps are used. 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 the Tables 2b, 2c, 2d, 2e, 3a, and 3b.

Table 2b gives a summary of pulsational disturbances of type pi-2 (the former pt) not associated with bays. These phenomena were not checked and the list is based upon the monthly data only.* (see Note). The mean times and extreme times of the beginning of the phenomenon are given as in table 2a.

Table 2c After the circular letter of January 7, 1964, continuous pulsations of the types pc-4 (period 45 - 150 sec.) and pc-5 (period 150 - 600 sec.) can also be given in forms for Ordinary Magnetograms and Tellurigrams. Table 2c gives a summary of these pulsational disturbances of the type pc-4. The mean times and extreme times of the beginning of the phenomenon are given as in table 2a.* (see Note).

Table 2d is a list of pulsational disturbances of type pc-5. (see table 2c).

Table 2e is a list of giant pulsations checked by 56 observatories, the same as for the ssc's, except PR TL AK SS AA BA; on the other hand BU has checked only pg's. The mean times and extreme times of the beginning of the phenomenon are given as in table 2a.

Table 3a gives a summary of sudden magnetic changes or impulses (si) which could not be classified as ssc, b, bp, etc.: They have been checked by 60 observatories, the same as for the ssc's, except AA. The mean times and extreme times of the beginning of the phenomenon are given as in table 2a.

Table 3b gives a summery of si's that were not checked, for the same reason as for the ssc's of Table 1b. The mean times and extreme times of the beginning of the phenomenon are given as in table 2a.

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

Table 5a gives a summary of solar-flare effects (sfe) reported by the observatories. The times tabulated in the column at the left are mean values of the times given for the beginning of a phenomenon. A check for the solar-flare effects was made by 58 observatories, the same as for the ssc's, except MO AK AA. Stations in the daylight hemisphere have been written behind the indicates times and grouped in the same way as in Table 1a. Observatories near the subsolar point are underlined. Stations lying in the twilight-zone of the dark hemisphere, which reported a clear disturbance,

Note: More detailed information on pulsations, as reported by stations with rapid-run magnetograms, is collected by Dr. A. Romaña, S.J., Observatorio del Ebro, Tortosa, Spain, and published in the "Three-monthly Bulletin" of the "International Service of Geomagnetic Indices", De Bilt, Netherlands and in the yearly supplement of this Bulletin.

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 give a negative or doubtful answer, have been omitted. In cases where one or more stations reported a simultaneous disturbance from an ionospheric or solar 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. In general, the following cases have been considered as doubtful: those where well-located stations (with respect to the subsolar point) did not report such an effect and those where some stations in full dark mentioned a disturbance which, considering the hour and their geographic position, would probably not be a night-side bay coexisting with a sfe at the day-side of the earth. 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 are probably not 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 that did not agree with an increase of the normal daily variation.

Committee on Characterization of Magnetic Disturbances

A. T. Price, Chairman

The University

Exeter, Great Britain

J. Veldkamp

Kon. Nederl. Meteorol. Instituut

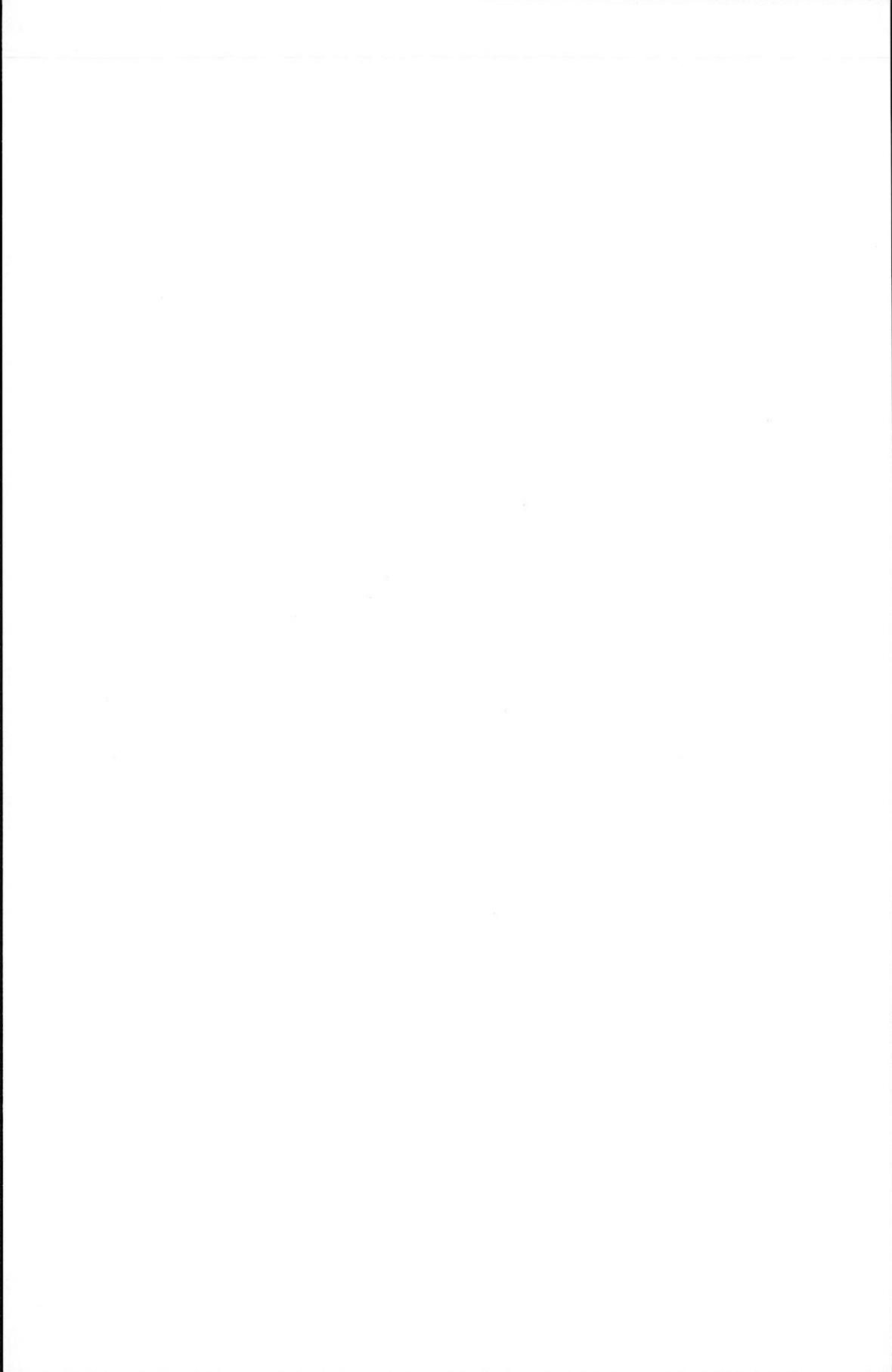
De Bilt, Netherlands

Committee on Rapid Magnetic Variations and Earth Currents

A. Romaña, S. J., Chairman

Observatorio del Ebro

Tortosa, Spain



LIST OF OBSERVATORIES

Arranged according to geographic latitude

Symbols new old		Observatory	Collaborator	Geographic		Geomagnetic	
				Lat.	Long.	Lat.	Long.
NP7	NP7	North Pole 7	USSR	+86° 1'	250° -'	. -°	. -°
NP6	NP6	North Pole 6	USSR	+83 -	130 -	. -	. -
NP8	NP8	North Pole 8	USSR	-	- -	. -	. -
BT	BT	Bay Tikhaya (Cheisa)	Bykov	+80 20	52 48	+71.5	153.3
CC	CC	Cape Chelyuskin	A. I. Slonimskiaia	+77 43	104 17	+65.9	176.5
TH	Th	Thule	J. Olsen	+77 29	290 50	+89.0	358.0
RB	RB	Resolute Bay	R. G. Madill	+74 41	265 10	+83.0	289.6
B4	B4	Bear Island		+74 31	19 01	+71.1	124.0
DI	Di	Dikson	Panov	+73 33	80 34	+63.0	161.6
MS	MS	Matoshkin Shar	N. D. Medvedev	+73 16	56 24	+64.8	146.5
TI	Ti	Tiksy	Melgunov	+71 35	129 00	+60.4	191.4
PB	PB	Point Barrow	R. Z. Barela	+71 18	203 14	+68.5	241.1
TR	Tr	Tromsø	E. Tønsberg	+69 40	18 57	+67.2	116.8
GO	Go	Godhavn	J. Olsen	+69 14	306 29	+79.9	32.5
MM	Mm	Murmansk		+68 15	33 05	+63.5	126.2
KI	Ki	Kiruna	N. Ambolt	+67 50	20 25	+65.3	115.8
SO	So	Sodankylä	E. Kataja	+67 22	26 38	+63.8	120.0
WE	We	Welen	Andriunina	+66 10	190 10	+61.8	237.1
CO	Co	College	C. J. Beers	+64 52	212 10	+64.6	256.5
BL	BL	Baker Lake	R. G. Madill	+64 20	263 58	+73.8	315.2
RY	Li	Leirvogur		+64 11	338 18	+70.2	289.0
SR	Sr	Srednikan	D. S. Slonimsky	+62 26	152 19	+53.2	210.6
YK	YK	Yellowknife		+62 24	245 36	+69.0	293.3
DO	Do	Dombås	G. Gjellestad	+62 04	9 07	+62.3	100.1
YA	Ya	Yakutsk	V. I. Tchirkov	+62 01	129 40	+51.0	193.8
NU	Nu	Nurmijärvi	M. Kivinen	+60 30	24 39	+57.8	112.6
LE	Le	Lerwick	B. R. Leaton	+60 08	358 49	+62.5	88.6
LN	Ln	Leningrad	E. P. Gluschkova	+59 57	30 42	+56.2	117.4
LO	Lo	Lovö	F. Eleman	+59 21	17 50	+58.1	105.8
SI	Si	Sitka	M. L. Gleven	+57 04	224 40	+60.0	275.4
SV	Sv	Sverdlovsk	S. P. Reschetnikov	+56 44	61 04	+48.5	140.7
TM	Tm	Tomsk		+56 28	84 56	+45.9	159.6
RS	RS	Rude Skov	A. Lundbak	+55 51	12 27	+55.8	98.5
KN	Kn	Kazan	N. F. Pushkin	+55 50	48 51	+49.3	130.4
MO	Mo	Moskva	M. S. Mansurov	+55 28	37 19	+50.8	120.5
ES	Es	Eskdalmuir	B. R. Leaton	+55 18	356 48	+58.5	82.9
ME	Me	Meanook	Anne B. Cook	+54 37	246 34	+61.8	301.0
HL	Hl	Helu	W. Czyszek	+54 36	18 48	+53.5	103.7
MN	Mn	Minsk		+54 04	27 08	+50.6	113.8
ST	St	Stonyhurst	J. E. Worthy S. J.	+53 51	357 32	+56.9	82.7
WN	Wn	Wingst	O. Meyer	+53 44	9 04	+54.5	94.2
WI	Wi	Witteveen	D. van Sabben	+52 49	6 40	+54.2	91.0
IR	Ir	Irkutsk	V. M. Mishin	+52 10	104 27	+41.0	176.9
SW	Sw	Swider	Z. Kalinowska	+52 07	21 15	+50.6	104.6
NI	Ni	Niemegk	G. Fanselau	+52 04	12 40	+52.2	96.5
VL	Vl	Valentia	S. Mc Williams	+51 56	349 15	+56.6	73.4
BE	Be	Belsk		+51 50	20 48	+50.4	104.0
GT	Gt	Göttingen	M. Siebert	+51 33	9 58	+52.3	93.7
CM	Cm	Collmberg	C. Junge	+51 19	13 00	+51.5	96.5
HA	Ha	Hartland	B. R. Leaton	+51 00	355 31	+54.6	79.0
KV	Kv	Kiev		+50 43	30 18	+47.3	112.2
MA	Ma	Manhay	L. Koenigsfeld	+50 18	5 41	+52.0	88.8
DB	Db	Dourbes	A. de Vuyst	+50 06	4 36	+51.7	88.7

LIST OF OBSERVATORIES - continued

Arranged according to geographic latitude

Symbols new	Symbols old	Observatory	Collaborator	Geographic		Geomagnetic	
				Lat.	Long.	Lat.	Long.
RA	Ra	Racibórz		+50° 05'	18° 11'	-°	-°
PR	Pr	Pruhonice	J. Bouska	+49 59	14 33	+49.9	97.3
LV	Lw	Lvov	M. S. Babuschnikov	+49 54	23 45	+48.0	105.8
BV	Bu	Budkov	J. Subrt	+49 04	14 01	+49.1	96.2
VI	Vi	Victoria	B. Canner	+48 31	236 35	+54.3	292.7
FU	Fü	Fürstenfeldbruck	K. Wienert	+48 10	11 17	+48.9	92.4
CF	CF	Chambon-la-Forêt	A. Blum	+48 01	2 16	+50.4	83.9
HB	Hb	Hurbanovo	Anton Tlcik	+47 54	18 12	+47.1	99.8
NA	Na	Nantes	O. Noblanc	+47 15	358 27	+50.5	80.1
SA	Sa	Yushno-Sakhalinsk	N. I. Petrov	+46 57	142 43	+36.9	206.7
TY	Ty	Tihany		+46 54	17 53	+46.4	99.1
OD	Od	Odessa	A. I. Staroginsky	+46 47	30 53	+43.8	111.1
SU	Su	Surlari		+44 41	26 15	+42.5	106.0
GC	Gc	Grocka		+44 38	20 46	+43.6	100.9
MT	Mb	Memambetsu	Y. Tamura	+43 55	144 12	+34.0	208.4
AG	Ag	Agincourt	A. A. Onhauser	+43 47	280 44	+55.0	347.0
VK	Wl	Vladivostok	M. S. Lasarev	+43 41	132 10	+33.0	198.0
AT	At	Alma Ata		+43 16	77 23	+33.4	152.0
LG	Lg	Logroño	T. Miguel Lafuente	+42 27	357 30	+46.1	77.0
AQ	Aq	Aquila	F. Molina	+42 23	13 19	+42.9	92.9
TF	Tf	Tbilisi (Tiflis)	M. L. Tchelischvili	+42 05	44 42	+36.7	122.1
TK	Tk	Tashkent	M. G. Antzilevitch	+41 25	69 12	+32.4	143.7
MD	Md	Maddalena	M. Giorgi	+41 13	9 24	+42.7	88.5
IK	IK	Istanbul-Kandilli	O. N. Sipahioglu	+41 04	29 04	+38.5	107.5
EB	Eb	Ebro	J. O. Cardus S. J.	+40 49	0 30	+43.9	79.7
CI	Ci	Coimbra	V. Seiça e Santos	+40 13	351 35	+44.8	71.3
TL	Tl	Toledo	R. Gómez-Menor	+39 53	355 57	+43.6	75.7
ON	On	Onagawa		+38 36	141 28	+28.4	206.7
FR	Fr	Fredericksburg	R. F. Gebhardt	+38 12	282 38	+49.6	349.8
PE	Pe	Pendeli	A. Stavrou	+38 03	23 52	+36.2	102.0
GI	Gi	Gibilmanna	M. Georgi	+37 59	14 01	+38.5	92.2
AK	Ak	Ashkabad		+37 57	58 06	+30.5	133.4
SM	SM	San Miguel	H. Amorim Ferreira	+37 46	334 21	+45.6	50.9
AE	Ae	Almeria		+36 51	357 32	+40.4	76.6
SF	SF	San Fernando	F. F. de la Puente	+36 28	353 48	+41.0	71.3
KA	Ka	Kakioka	T. Yoshimatsu	+36 14	140 11	+26.0	206.0
TP	TI	Teheran Iran (Persia)	H. K. Afshar	+35 44	51 23	+29.3	126.4
KS	Ks	Ksara	J. Delpeut S. J.	+33 50	35 54	+30.4	112.0
SS	Ss	Simasato		+33 35	135 56	+23.0	202.4
AS	As	Aso		+32 53	131 01	+22.1	198.1
TU	Tu	Tuscon	R. F. White	+32 15	249 10	+40.4	312.2
KY	Ky	Kanoya		+31 25	130 53	+20.5	198.1
QU	Qu	Quetta	S. A. A. Kazmi	+30 11	66 57	+21.6	139.7
HE	He	Helwan	M. Fahim	+29 52	31 20	+27.2	106.2
ML	Ml	Misallat	M. Fahim	+29 45	30 54	+26.7	105.8
SZ	SZ	Santa Cruz		+28 29	343 45	+35.0	58.6
TA	Ta	Tamanrasset	B. Lepretre a. o.	+22 48	5 31	+25.4	80.6
HO	Ho	Honolulu	G. E. Haraden	+21 19	202 00	+21.1	266.5
TE	Te	Teoloyucan	C. Cañón Amaro	+19 45	260 49	+29.6	327.1
AL	A1	Alibag	K. N. Rao	+18 38	72 52	+ 9.5	143.6
SJ	SJ	San Juan	M. Vazquez	+18 23	293 53	+29.9	3.2
MB	MB	M'Bour	Hans G. Barsczus	+14 24	343 03	+21.3	55.0

LIST OF OBSERVATORIES - continued

Arranged according to geographic latitude

Symbols new old	Observatory	Collaborator	Geographic		Geomagnetic	
			Lat.	Long.	Lat.	Long.
MU Mu	Muntinlupa	Cayetano Palma	+14° 22'	121° 01'	+ 3.0°	189.7°
GU Gu	Guam	D. D. Newman	+13 55	144 52	+ 4.0	212.9
AA AA	Adis Ababa	P. Gouin S. J.	+09 02	38 46	+ 5.3	109.2
KR Kr	Koror	K. Gravens	+07 20	134 30	- 3.2	203.4
PA Pa	Paramaribo	D. van Sabben	+05 49	304 47	+17.0	14.5
FQ Fq	Fuquene	C. Garavito	+05 28	286 16	+16.9	355.1
BA Ba	Bangui	Leroy	+04 26	18 34	+ 4.6	88.5
MC Mc	Moca	A. G. Cogollor	+03 21	8 40	+ 5.7	78.6
BN Bn	Bunia	P. Herrinck	+01 32	30 11	- 0.4	99.3
TT Tt	Tatucca	L. I. Gama	-01 12	311 29	+ 9.6	20.8
LR Lr	Lwiro	G. Bonnet	-02 15	28 48	- 4.0	98.2
HN Hn	Hollandia	D. van Sabben	-02 34	140 31	-12.6	210.3
BI Bi	Binza	(P. Herrinck	-04 23	15 16	- 3.4	83.2
KU Ku	Kuyper	(G. Lesambo	-06 02	106 44	-17.5	175.5
LU Lu	Luanda	A. Fatah				
PM PM	Port Moresbey	V. S. Moreira	-08 55	13 10	- 7.2	80.5
KC El	Karavia (Congo)	David Denham	-09 24	147 09	-18.6	218.0
HU Hu	Huancayo	(P. Herrinck	-11 39	27 28	-12.7	94.1
DA Da	Darwin	(G. Lesambo	-12 02	284 41	- 0.6	353.8
AP Ap	Apia	A. A. Giesecke Jr	-12 20	131 00	-22.0	201.3
TN Tn	Tananarive	L. S. Prior	-13 48	188 14	-16.0	260.2
MR Mr	Mauritius	A. L. Cullington	-18 55	47 33	-23.1	112.1
LQ LQ	La Quiaca	M. Burgaud S. J.	-20 06	57 33	-26.6	122.4
VA Va	Vassouras	E. G. Davy	-22 06	294 24	-10.6	3.2
BR Br	Brisbane	R. P. J. Hernández	-22 24	316 21	-11.9	23.9
WA Wa	Watheroo	L. I. Gama	-27 32	152 55	-35.8	226.9
PI Pi	Pilar	R. F. Thyer	-30 19	115 53	-41.8	185.6
GN Gn	Gnangara	P. M. Mc Gregor	-31 40	296 07	-20.2	4.0
HR Hr	Hermanus	R. P. J. Hernández	-31 47	115 57	-43.2	185.8
AC Ac	Las Acacias	P. M. Mc Gregor	-34 25	19 14	-33.7	81.7
TO To	Toolangi	A. M. van Wijk	-35 00	302 19		
AM Am	Amberley	R. F. Thyer	-37 32	145 28	-46.7	220.8
TW Tw	Trelew	A. L. Cullington	-43 09	172 43	-47.7	252.5
KG Kg	Kerguelen	(O. A. Pellicioli	-43 15	294 41	-31.7	3.2
MI MI	Maquarie Island	(R. González	-49 21	70 12	-56.5	127.8
AR Ar	Argentine Island	R. Schlich	-54 30	158 57	-60.7	243.0
OA Oa	Oasis	R. F. Thyer	-65 15	295 44	-53.8	3.3
WK Wk	Wilkes	C. N. Horton	-66 06	92 09	-77.2	160.8
MY Mi	Mirny	L. S. Prior	-66 15	110 35	-77.2	179.2
DU DU	Dumont d'Urville	R. Schlich	-66 33	93 00	-77.0	145.6
MW Mw	Mawson	R. F. Thyer	-66 40	140 01	-75.6	230.9
CT Ct	Charcot	-67 36	62 53	-73.2	103.1	
PO Po	Pionerskaya	-69 23	139 01	-78.3	234.5	
NL La	Lazarevskaya	-69 44	95 30	-80.3	146.5	
BB BB	Base Baudouin	-70 46	11 49			
HT Ht	Hallett	-70 26	24 19	-69	63	
HY HB	Halley Bay	J. C. Farman	-72 19	170 13	-74.7	278.2
SB SB	Scott Base	A. L. Cullington	-75 31	333 24	-65.8	24.3
LA LA	Little America	J. J. Gniewek	-77 51	166 47	-79.0	294.4
VO Vo	Vostok	-78 11	197 50	-74.0	312.0	
BY By	Byrd Island	L. E. Davis	-78 27	106 52	-89.2	92.6
SP SP	South Pole	W. Jacobs	-80 01	240 29	-70.6	336.3
			-90		-78.5	0.0

LIST OF OBSERVATORIES - continued

		Scale Values			Lower Limit K = 9 Υ	Ranges for C = 1
Symbols new	Symbols old	D Υ/mm	H Υ/mm	Z Υ/mm		
NP7	NP7					
NP6	NP6				2000	
NP8	NP8				2500	
BT	BT				1000	
CC	CC				1500	
TH	Th	4.5	7.9	12.3	2000	
RB	RB				2500	
B4	B4	5.6	6.0	21.2	1000	
DI	Di				1500	
MS	MS				2500	
TI	Ti				1000	
PB	PB	16.0	32.2	29.9	2500	
TR	Tr	4.7	5.3	7.2	2000	400 - 1200 Υ
GO	Go	2.3	9.5	14.1	1800	
MM	Mm	7.6	11.9	8.2	2500	
KI	Ki	11.5	11.4	11.9		
SO	So	3.0	8.7	9.7	1500	45 - 200 Υ
WE	We				1250	
CO	Co	3.7	7.8	7.1	2500	No fixed range
BL	BL	2.5	5.7	8.1	2500	
RY	Li					
SR	Sr	4.8	3.8	4.9	550	
YK	YK					
DO	Do	9.6	9.2	6.5	750	
YA	Ya	4.3	7.3	5.2	550	
NU	Nu	3.8	7.8	7.4	750	D: 4' - 20'; H: 30 - 140 Υ ; Z: 20 - 100 Υ
LE	Le	4.0	4.0	6.6	1000	
LN	Ln	3.3	4.6	2.7	600	
LO	Lo	4.3	3.8	4.0	600	
SI	Si	4.7	7.0	8.0	1000	No fixed range
SV	Sv	4.6	5.3	6.7	550	
TM	Tm				550	
RS	RS	4.9	10.0	10.0	600	D: 4' - 12'; H: 14 - 42 Υ ; Z: 9 - 27 Υ
KN	Kn	4.7	5.7	5.0	550	
MO	Mo	1.8	1.9	3.9	550	
ES	Es	4.0	4.0	6.0	750	
ME	Me	3.6	7.8	10.8	1500	
HL	Hl	4.7	4.5	5.7	650	
MN	Mn				550	
ST	St	4.6	6.3	6.9	600	Sum K: 20
WN	Wn	4.4	6.2	5.5	500	Sum K: 20 - 30; CK: 0.7 - 0.1; Cs: 0.8 - 1.4
WI	Wi	9.7	9.5	5.5	500	D: 4' - 12'; H: 15 - 45 Υ ; Z: 7 - 21 Υ
IR	Ir	5.5	4.6	3.2	350	
SW	Sw	3.7	3.7	3.9	500	
NI	Ni	2.0	2.0	2.0	500	
VL	Vl	4.7	3.7	6.0	500	
BE	Be	2.8	3.4	3.6	500	
GT	Gt	3.2	3.2	1.6	500	
CM	Cm	1.6	1.6	2.6	500	based on K - indices
HA	Ha	5.5	4.1	4.0	500	
KV	Kv				350	
MA	Ma	5.2	1.5	3.9	500	D: 4' - 12'; H: 15 - 45 Υ ; Z: 7 - 21 Υ
DB	Db	5.3	3.9	3.8	500	D: 4' - 12'; H: 14 - 45 Υ ; Z: 7 - 21 Υ

LIST OF OBSERVATORIES - continued

		Scale Values			Lower Limit K = 9 γ	Ranges for C = 1
Symbols		D γ/mm	H γ/mm	Z γ/mm		
new	old					
RA	Ra					
PR	Pr	3.0	4.5	5.0	500	
LV	Lw	4.0	1.7	2.8	550	
BV	Bu		1.3			
VI	Vi	2.7	2.4	3.3	500	
FU	Fd	2.9	2.8	2.7	500	17 \leq K \leq 29
CF	CF	5.7	5.9	2.8	500	No fixed range
HB	Hb	7.5	4.3	4.8	350	
NA	Na	9.5	6.0	6.0	500	
SA	Sa	4.2	3.1	5.1	350	
TY	Ty	5.8	3.6	2.7		
OD	Od	6.4	3.5	2.4	350	
SU	Su	2.5	1.7	2.4	350	
GC	Gc				350	
MT	Mb	3.4	2.3	4.0	350	
AG	Ag	4.0	5.1	6.1	600	12 - 150 γ
VK	Wl	2.9	1.9	4.1	300	
AT	At					
LG	Lg	6.0	3.7	5.0	350	15 \leq K \leq 30
AQ	Aq	7.2	4.9	3.3	350	
TF	Tf	1.7	3.2	2.5	350	
TK	Tk	7.8	2.8	4.6	300	
MD	Md	3.6	3.3	3.0	350	
IK	IK	3.7	3.1	3.0	300	Sum K: 16 - 31 or 16 and 4 \leq K \leq 6
EB	Eb	6.9	3.4	6.6	350	14 - 55 γ
CI	Ci	7.7	4.0	5.0	350	C from Cs
TL	Tl	2.7	2.8	2.8	350	D: 2' - 8'; H: 10 - 60 γ ; Z: 10 - 50 γ
ON	On					
FR	Fr	2.7	2.5	2.9	500	Sum K: 25 - 44
PE	Pe	7.5	7.2	11.3	300	
GI	Gi	7.4	1.6	1.2	350	
AK	Ak				300	
SM	SM	7.9	4.0	4.5	350	No fixed range
AE	Ae					
SF	SF	5.3	2.7	---	350	10 - 30 γ
KA	Ka	6.2	2.8	3.5	500	No fixed range
TP	TI	2.6	2.3	2.8	300	
KS	Ks	8.8	6.0	5.0	300	15 - 45 γ
SS	Ss	6.4	2.4	6.4	300	
AS	As				300	
TU	Tu	3.8	3.1	---	350	No fixed range
KY	Ky	2.5	2.6	2.6	300	
QU	Qu	4.9	3.0	4.3	300	No fixed range
HE	He	3.7	2.6	3.0	300	10 - 30 γ
ML	Ml	3.9	2.4	2.2	300	
SZ	SZ					
TA	Ta	9.0	4.4	2.8	300	20 - 60 γ
HO	Ho	8.4	2.6	3.7	300	Sum K: 22 - 38
TE	Te	8.7	3.3	5.7	300	Lower limit: Sum = 17 or 18
AL	A1	2.3	4.4	3.3	300	65 - 150 γ or sum K: 15 - 22
SJ	SJ	8.1	2.5	5.0	300	Sum K: 14 or 18 - 35
MB	MB	8.1	6.6	6.3	350	

LIST OF OBSERVATORIES - continued

		Scale Values			Lower Limit K = 9 γ	Ranges for C = 1
Symbols new	old	D γ/mm	H γ/mm	Z γ/mm		
MU	Mu	---	---	---	300	
GU	Gu	5.2	2.7	3.7	300	
AA	AA				300	
KR	Kr					
PA	Pa	6.1	6.1	4.0	500	
FQ	Fq	8.8	4.0	4.1	300	
BA	Ba	8.1	10.0	13.3	300	
MC	Mc	7.8	3.9	1.2	300	19 - 43 γ
BN	Bn	7.7	2.0	2.6		
TT	Tt	8.4	2.6	3.7		
LR	Lr	7.6	4.9	1.1	350	20 - 75 γ
HN	Hn	5.2	5.0	4.0	300	
BI	Bi	7.8	4.2	2.6		
KU	Ku	0.9	4.3	3.9	300	
LU	Lu	3.7	3.2	6.6	350	
PM	PM	9.7	5.6	7.2	300	
KC	E1	3.9	4.9	2.0		H: 20 - 100 γ
HU	Hu	8.3	3.5	3.6	600	Sum K: 25 - 41
DA	Da					
AP	Ap	9.3	3.9	3.8	300	Sum K: 25
TN	Tn	2.9	0.9	2.2	300	No fixed range
MR	Mr	7.6	3.2	5.0	500	
LQ	LQ	3.8	3.3	3.0	350	
VA	Va	6.9	4.0	3.0	600	No fixed range
BR	Br				500	
WA	Wa	7.5	2.7	4.6	350	20 - 35 γ
PI	Pi	3.3	3.0	2.9	300	
GN	Gn	7.4	2.6	5.5	350	
HR	Hr	2.0	2.3	4.2	300	Based on hourly K and ΣA
AC	Ac	6.1	2.5	4.8	350	
TO	To	7.7	4.6	4.4	500	Sum K: 18 - 34
AM	Am	7.2	4.6	3.7	500	No fixed range
TW	Tw	6.7	4.9	6.4	350	
KG	Kg	7.8	6.0	2.4	750	
MI	MI	3.5	12.5	14.1	1500	
AR	Ar					
OA	Oa	10.6	8.3	18.3	2000	
WK	Wk	28.6	24.3	24.6	2500	
MY	Mi	4.6	6.3	10.1	2000	
DU	DU	7.5	8.3	8.1	1800	
MW	Mw	4.5	9.9	10.1	1500	
CT	Ct	---	---	14.3	1500	
PO	Po	10.6	12.1	14.9	2000	
NL	La				1500	
BB	BB					
HT	Ht	19.1	27.5	25.9	2500	
HY	HB	5.4	7.2	6.8	2000	
SB	SB	26.0(y)	22.0(x)	28.5	2000	No fixed range
LA	LA	---	---	---	2500	
VO	Vo				2000	
BY	By	26	24	25	2500	
SP	SP	16.8	27.7	26	2000	

LIST OF OBSERVATORIES - continued

Symbols new old	Instruments	Ionospheric Stations or Radio Services
NP7	NP7	
NP6	NP6	
NP8	NP8	
BT	BT	
CC	CC	
TH	Th	Normal, low sens. + quick run
RB	RB	
B4	B4	
DI	Di	
MS	MS	
TI	Ti	
PB	PB	Low sens. + quick run
Tr	Tr	Normal sens
GO	Go	Normal, low sens. + quick run
MM	Mm	
KI	Ki	
SO	So	Normal sens
WE	We	
CO	Co	Normal, low sens. + quick run
BL	BL	Normal sens
RY	Li	
SR	Sr	
YK	YK	
DO	Do	Normal sens
YA	Ya	
NU	Nu	Normal sens. + quick run
LE	Le	Normal, low sens. + quick run
LN	Ln	
LO	Lo	Normal, low sens. + quick run
SI	Si	Normal, low sens. + quick run
SV	Sv	
TM	Tm	
RS	RS	Normal, low sens. + quick run
KN	Kn	
MO	Mo	
ES	Es	Normal, low sens. + quick run
ME	Me	Normal and low sens
HL	H1	
MN	Mn	
ST	St	Normal sens
WN	Wn	Normal, dX/dt , dY/dt , dZ/dt , quick run
WI	Wi	Normal sens. + quick run
IR	Ir	
SW	Sw	Normal sens
NI	Ni	Normal sens
VL	Vi	Normal sens. + quick run
BE	Be	
GT	Gt	Normal sens., str. var. + puls. recorder
CM	Cm	Normal sens
HA	Ha	Normal, low sens. + quick run
KV	Kv	Normal sens. + quick run
MA	Ma	Normal sens. + quick run + fluxm. for H
DB	Db	Normal sens. + quick run
		Ion. Station Dourbes
		Nurmajärvi 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.: Frauenhofer Inst., Freiburg Nederhorst Den Berg Radio (Nera)
		Zentralobs. Potsdam; Sol. Obs. Astrophysical. Obs., Potsdam
		Dunsink Astronomical Observatory, Dublin
		Ion. Station Collm Observatory Cable and wireless Ltd; Sol. Obs. Royal Greenwich Obs., Herstmonceux

LIST OF OBSERVATORIES - continued

Symbols new old		Instruments	Ionospheric Stations or Radio Services
RA	Ra		
PR	Pr	Normal sens.	
LV	Lw		
BV	Bu	Quick run for H	
VI	Vi	Normal sens.	
FU	Fü	Normal sens. + high sens.	
CF	CF	Normal sens. + quick run	
HB	Hb	Normal sens.	
NA	Na	Normal sens.	
SA	Sa		
TY	Ty		
OD	Od		
SU	Su	Normal sens.	
GC	Gc		
MT	Mb	Normal sens. + high sens.	
AG	Ag	Normal sens. and low sens.	
VK	W1		
AT	At		
LG	Lg		
AQ	Aq		
TF	Tf		
TK	Tk		
MD	Md		Astrophys. Obs. Arcetri (Firenze)
IK	IK	Normal sens.	No
EB	Eb	Normal sens. + quick run	
CI	Ci	Normal sens.	
TL	Tl	Normal sens. + quick run	
ON	On		
FR	Fr	Normal, low sens. + quick run	
PE	Pe	Normal sens.	
GI	Gi	Normal sens.	
AK	Ak	Normal sens. + quick run	
SM	SM	Normal sens. + quick run	
AE	Ae		
SF	SF	Normal sens. + high sens. for D	
KA	Ka	Normal sens. + high sens. for D	
TP	TI		Tokyo Wireless Adjusting Station
KS	Ks	Normal sens.	
SS	Ss		
AS	As		
TU	Tu	Normal sens. + quick run	
KY	Ky	Normal sens. + quick run	
QU	Qu	Normal sens. + quick run	
HE	He	Normal sens.	
ML	Ml	Normal sens.	
SZ	SZ		
TA	Ta	Normal sens. + dH/dt, dD/dt, quick run	
HO	Ho	Normal sens. + quick run	
TE	Te	Normal sens.	
AL	A1	Normal sens. + quick run	Boulder Observatory, Colorado
			All India Radio, New Delhi; Radio Ceylon,
			Colombo; Sol. Obs. + Sol. Phys. Obs., Kodaikanal
SJ	SJ	Normal sens.	
MB	MB	Normal sens. + quick run	Station Ionosphérique Dakar-Camberene

LIST OF OBSERVATORIES - continued

Symbols new old	Instruments	Ionospheric Stations or Radio Services
MU Mu		
GU Gu	Normal sens. + quick run	
AA AA	Normal sens. + quick run + fluxm. for D, H	
KR Kr	Normal sens. . quick run	
PA Pa		
FQ Fq	Normal sens.	
BA Ba	Normal sens. + quick run	No
MC Mc	Normal sens. + quick run	
BN Bn	Normal sens.	
TT Tt	Normal sens.	
LR Lr	Normal sens.	Ion. Station Lwiro, Radio astr. St. Lwiro
HN Hn		
BI Bi	Normal sens.	No
KU Ku		
LU Lu	Normal sens.	
PM PM	Normal sens. + quick run	Port Moresby Ionospheric Sounding Equipment
KC El	Normal sens.	
HU Hu	Normal sens. + quick run	Inst. Geofisico de Huancayo Sol Obs.: Inst. Geofisico de Huancayo
DA Da		
AP Ap	Normal sens.	Apia Radio
TN Tn	Normal sens.	
MR Mr		
LQ LQ		
VA Va	Normal sens.	
BR Br		
WA Wa	Normal sens.	
PI Pi	Normal sens.	
GN Gn		
HR Hr	Normal sens. + quick run	
AC Ac	Normal sens. + quick run	
TO To	Normal sens.	I. P. S. Canberra
AM Am	Normal sens.	Godley Head Ion. Stat. New Zealand Broadc. Service, Wellington; Sol. Obs.: Carter Obs. (Wellington)
TW Tw	Normal sens.	
KG Kg		
MI MI	Normal sens.	No
AR Ar		
OA Oa		
WK Wk	Low sens. + quick run	
MY Mi	Normal, low sens. + quick run	
DU DU		
MW Mw		
CT Ct		
PO Po		
NL La		
BB BB		
HT Ht		
HY HB	Low sens. + quick run	
SB SB	Low sens. + quick run	
LA LA		
VO Vo		
BY By	Low sens. + quick run	
SP SP	Low sens. + quick run	

Ion. Station Scott Base

TABLE 1a STORM SUDDEN COMMENCEMENTS (S.S.C. 'S) 1965

Sudden commencements followed by a magnetic storm or period of storminess. (checked by 61 observatories)

JANUARY

07d 23h 09m (09)	A: AK TA AA - B: SO KN IR MA? DB VI FU OD AG LG AQ TL FR SM TU HO SJ MU GU MC AP TN TO DU - C: CO NU LE SI MO ES WN WI VL KV PR HB MT TK EB KA KY QU MB PA BA GN HR AM KG SB - (si: C: GT - bp; B: CF - bps; C: BI) - D: 5.
12d 11h 39m (37-39)	B: FU OD MU BA - C: NU MO WN WI GT MA HB AG LG (EB) AK SM TU TA HO SJ MB GU BI KG DU - E: CO - X: DB PR PA - (si: B: CF TE; C: MC - sfe: KV) - D: 28.
20d 16h 12m (05-13)	A: OD AK TA TE MU AA MC - B: SO CO NU LE SI KN MO ES WN WI IR NI VL KV MA DB PR VI FU CF HB AG LG AQ TK FR SM TU QU HO SJ MB GU PA BA BI AP TN GN HR TO AM KG SB - C: DO GT HA TL - E: DU - (si: B: EB; C: MT KA KY) - D: 1.
26d 07h 48m (42-53)	A: FU AK TA MU AA - B: SO NU KN MO ES HA KV MA HB OD LG AQ TK TL SM QU HO SJ BA MC BI AP TN GN HR TO AM - C: CO WN WI GT DB FR TU MB GU PA DU - E: CF - X: PR SB - (si: A: TE; B: IR VL EB; C: LE MT KA KY) - D: 8.

FEBRUARY

06d 14h 14m (10-16)	A: NU KN MO IR MA VI FU OD AG LG TK FR AK SS QU TA TE MB MU GU AA MC BUGN HR KG - B: SO DO LE SI ES WN WI NI VL GT HA KV DB PR CF HB MT AQ TL SM KA TU KY HO SJ PA BA AP TN TO AM SB - C: EB DU - E: CO.
10d 02h 57m (57-59)	A: MU - B: NU IR MA DB FU LG AQ AK QU GU BA MC BI AP TN HR AM DU - C: SO CO LE SI KN MO ES WN WI VL GT HA KV PR VI HB MT TK EB FR KA TU KY HO SJ MB PA KG - X: TA - (si: B: OD SM TO; C: TE) - D: 9.

MARCH

12d 12h 26m (24-27)	A: SO NU KN MO ES MA DB PR FU HB OD LG AK TA MB MU AA MC HR - B: DO LE WN WI IR VL HA KV VI CF AG AQ TK EB TL FR SM TU QU HO SJ GU PA BA BI AP TN TO AM KG DU SB - C: CO SI GT - (si: A: TE; B: MT KA KY GN) - D: 2.
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APRIL

06d 12h 22m (21-23)	A: KN MO MA FU TA AA - B: SO NU LE ES WN WI VL KV DB PR CF HB AQ TK EB AK SM MB MU BA MC BI AP TO - C: CO DO SI GT HA VI AG TL FR TU QU HO SJ GU PA TN AM - (si: A: LG; B: IR TE; MT KA KY - bs: A: OD; C: HR) - D: 6.
11d 16h 03m (02-05)	A: MO TA AA - B: SO NU FU AK QU MB - C: SI KN WN WI IR VL GT MA DB PR HB AG TK (EB) (TL) SM HO SJ MU GU PA AP TO AM - E: CO HA TE - X: ES MC TN - (si: A: OD; B: BA; C: MT KA KY - bps: CF - sfe: KV BI) - D: 17.
17d 13h 13m (12-15)	A: NU KN MO ES WN IR MA PR FU HB OD LG SS QU TA TE MB MU AA - B: CO DO LE SI WI NI VL GT HA KV DB VI CF MT AG AQ TK EB TL FR AK SM KA TU KY HO SJ GU PA BA MC BI AP TN GR HR TO AM KG DU SB - (sfe: SO).

MAY

04d 23h 00m (59-01)	A: MO OD AK TA TE AA MC - B: NU LE KN WI IR VL HA KV MA DB PR FU HB AG LG AQ TK FR SM TU QU SJ MU BA MC AP TN AM SB - C: SO CO SI ES WN NI GT CF EB TL HO MB GU PA HR TO - X: BI GN - (si: C: MT KA KY) - D: 4.
16d 00h 36m (34-38)	A: OD TA AA - B: KN MO IR KV MA FU AG LG AQ AK SM SS QU HO SJ MU GU AA BA MC BI AP TN GN TO AM DU - C: SO CO NU LE SI ES WI VL GT HA DB PR HB MT TK EB TL FR KA TU KY MB PA HR - X: SB - (si: C: WN TE - bp: CF) - D: 3.

TABLE 1a STORM SUDDEN COMMENCEMENTS (S.S.C.'S) 1965 - continued

(MAY)

16d 03h 02m A: TA - B: MU MO IR PR FU SM QU AP - C: SO CO DO LE SI KN ES
 (00-03) WN WI VL GT HA DB VI CF HB MT AG LG (FB) (TL) FR AK KA TU
 KY HO TE SJ MB MU PA BA BI KG - E: MA TN DU - (si: B: OD
 MC; C: KV GN) - D: 9.

JUNE

03d 13h 20m A: LG TA - B: SO NU LE KN MO ES WI IR VL HA MA DB PR FU OD
 (12-21) AQ AK SM QU MB MU AA - C: DO WN NI GT KV CF HB MT TK EB
 TL KA KY HO SJ GU PA BA MC BI TN HR AM KG DU - X: AP - D: 11.

08d 06h 23m A: AA - B: SO CO NU LE KN IR SM TU QU MU AP TO AM - C: DO SI
 (12-25) MO WN WI VL GT KV MA VI FU OD AG LG TK (TL) FR AK HO SJ
 MB GU PA MC BI TN KG - E: CF - C: TA BA - (si: A: TE; B: GN; C:
 MT KA KY) - D: 12.

15d 11h 00m A: NU KN MO IR MA PR FU HB OD LG TK FR SM SS TU QU TA HO
 (58-01) TE MB MU GU AA BA MC GN HR - B: SO LE ES WN WI NI VL HA KV
 DB VI MT AG AQ EB TL AK SM KA KY SJ PA BI AP TN TO AM KG
 SB - C: CO DO SI GT - E: CF.

17d 21h 44m A: KN MO MA PR FU LG TU TA TE AA - B: SO CO SI ES WN WI VL
 (42-44) HA KV VI AG AQ TK EB TL FR AK SM QU HO SJ MB MU GU BA AP
 AM SB - C: NU LE GT DB PA TO DU - X: HB - (si: A: OD; B: IR MC?
 TN GN; C: MT KA KY - bs; B: BI HR - bps; CF) - D: 4.

JULY

06d 04h 51m A: KN MO FU LG TE MU AA - B: SO NU LE SI WN WI IR VL MA DB
 (50-52) PR OD AQ TK FR SM SS TU QU TA HO SJ MB GU BA MC BI AP HR
 AM DU SB - C: DO ES NI GT HA KV VI HB MT AG EB TL AK KA KY
 PA TN GN TO - E: CO - X: KG - (si: C: CF).

07d 21h 39m B: IR MA? PR FU LG TL FR AK TU QU TA SJ BI - C: CO NU SI KN
 (39-40) MO ES WI GT KV DB HB AG AQ TK SM TE MB MU GU PA BA MC -
 (si: B: WN OD; C: HA MT EB KA KY - b: CF - bs; B: VL HR) - D: 16.

08d 11h 00m A: NU MO FU TA - B: SO LE KN VL HA MA CF HB LG AQ AK QU-C:
 (59-01) CO ES WN WI GT KV DB PR TK EB TL SM SJ MB MU BI KG - E: SI
 - X: PA - (si: B: IR OD BA TN; C: MT KA KY MC HR) - D: 17.

12d 16h 02m A: NU KN MO IR MA FU OD LG TK TA TE MU AA - B: SO CO LE ES
 (00-02) WN WI NI HA KV DB PR HB AQ EB TL AK SM TU QU HO SJ MB GU
 BA MC BI AP TN HR AM - C: DO SI VL GT AG FR PA GN - (si: B:
 CF? MT KA KY TO) - D: 6.

18d 15h 33m A: SO CO NU LE KN MO ES WN WI IR NI MA DB PR FU HB OD LG
 (32-34) AQ TK EB TL SS QU TA HO TE SJ MB MU GU AA BA MC AP TN HR
 TO KG DU - B: SI VL GT HA KV VI CF MT AG FR SM KA TU KY PA
 GN AM SB - X: DO BI.

27d 06h 19m A: NU - B: IR VI FU AG AK SM TU QU HO SJ MU BA MC BI AP TN
 (19) GN AM - C: CO LE SI MO ES WN WI VL GT HA MA CF TK EB (TL)
 FR MB GU PA HR TO - X: PR TA - (si: A: TE; B: SO; C: MT KA KY -
 sfe: KV) - D: 13.

AUGUST

18d 13h 39m A: MB AA - B: NU KN MO WI IR MA DB PR FU LG AK SM QU TA MU BI
 (37-39) TN GN - C: SO LE SI WN VL GT HA KV VI HB OD AQ TK FR HO GU
 PA BA MC AP HR TO AM DU - E: CF - (pi2: B: TL; C: MT KA KY) -
 D: 12.

23d 15h 19m A: MO LG TA TE AA - B: SO CO DO NU LE SI KN ES WN WI IR NI
 (17-20) VL HA MA DB PR FU CF AQ TL AK SM QU MU BA MC AP TN AM
 SB - C: GT KV VI HB OD TK EB FR TU HO SJ MB GU PA GN HR - (si:
 B: BI TO; C: MT KA KY) - D: 14.

TABLE 1a STORM SUDDEN COMMENCEMENTS (S.S.C.'S) 1965 - continued

SEPTEMBER

03d 21h 51m (51)	B: SO KN MA FU AG AK SM QU TA - C: NU ES WN IR VL GT HA KV DB CF HB OD LG AQ TK (EB) (TL) FR TU HO TE SJ MB MU PA BA MC BI AP TN TO - (bs: C: HR) - D: 20.
11d 20h 00m (58-00)	A: AK - B: AG LG SM TA - C: SO NU SI KN ES WN WI VL GT KV MA FU HB OD AQ TK EB TL FR QU HO SJ MB MU PA BA MC BI AP TN - E: CF - (si: C: IR - bs: C: HR) - D: 23.
15d 14h 52m (52-54)	A: SO KN AK TA AA - B: CO NU LE ES WN WI IR VL HA MA DB PR FU CF HB OD LG AQ TK SS QU MU GU BA MC AP - C: DO SI MO GT KV AG EB TL SM TU HO SJ MB PA TN GN HR AM KG SB - X: BI - D: 9.
26d 21h 10m (07-11)	A: KN AG AK TA AA - B: NU ES WN WI IR NI HA KV MA DB PR FU CF HB LG AQ EB FR SM TU QU SJ MU BA MC TN AM SB - C: SO CO LE SI MO GT VI TK TL HO MB GU PA HR TO DU - X: BI - (si: A: TE; B: OD; C: GN - bs: B: VL) - D: 6.

OCTOBER

05d 01h 14m (12-14)	A: MA ? AK - B: WI HA FU LG SM QU MU - C: SO CO NU LE SI KN MO ES WN GT KV DB PR CF HB AG AQ TK (TL) FR TU HO TE SJ MB GU BA MC BI AP TN TO DU SB - (si: B: VL OD; C: IR EB GN - bs: C: HR) - D: 12.
05d 02h 40m (39-40)	A: SO NU KN MO MA VI FU LG MU GU AA AM - B: CO LE SI ES WN WI IR NI HA KV DB PR CF? HB AG AQ TK EB FR AK SM TU QU HO SJ MB BA MC BI AP TN GN HR KG SB - C: DO GT TL PA - (si: A: VL OD TE; B: MT KA KY) - D: 4.
07d 09h 00m (58-02)	A: SO NU KN VI FU OD LG TE MU AA BA MC - B: CO SI WN WI IR HA MA DB PR AG AQ TK FR SM SS TU QU HO SJ MB GU PA BI AP TN GN HR TO AM KG SB - C: LE ES GT HB MT EB TL AK KA KY DU - E: CF - X: DO MO VL - D: 3.
22d 01h 26m (22-27)	A: SO KN MO MA FU OD TA MU GU AA - B: NU LE SI ES WN WI IR NI HA KV DB PR VI CF HB AG LG AQ TK EB TL FR SM SS TU QU HO SJ MB BA MC BI AP TN GN HR TO AM KG SB - C: DO GT MT AK KA KY PA - (si: A: Te; B: CO VL DU).

NOVEMBER

04d 00h 59m (59-01)	A: CO NU MO VI FU LG FR TA TE MU GU AA MC GN AM-B: SO LE SI KN ES WN WI IR NI VL HA KV MA DB PR HB AG AQ TK TL AK SM TU QU HO SJ MB BA BI AP TN HR TO KG DU SB - C: DO GT PA - (si: A: OD; B: EB; C: CF MT KA KY) - D: 1
12d 11h 41m (40-42)	A: AK - B: VL FU MU AA BA BI TN - C: SO NU ES WN WI NI GT HA KV MA DB HB OD AG LG TK (EB) FR SM TU QU HO SJ MB GU MC AP GN TO AM - X: TA - (si: B: IR; C: LE CF - cr: TL) - D: 18.
12d 14h 30m (30-31)	A: NU FU AK - B: ES WI VL MA DB AG LG AQ TK SM TU QU TA SJ BA AP TN AM KG DU SB - C: SO SI KN MO GT HA PR VI HB EB TL HO MB MU GU PA HR TO - (si: B: CO IR OD FR MC ? BI; C: LE WN GN - sfe: KV) - D: 9.

DECEMBER

04d 09h 46m (45-46)	A: TA - B: SO NU KN VI TU QU MU BA BI AP TN GN TO AM - C: CO LE SI MO WN IR VL GT HA KV MA PR FU CF HB MT AG TK (TL) FR AK KA KY HO SJ MB GU MC - X: LG - (si: B: OD TE) - D: 15.
18d 06h 20m (20-21)	A: AK TA MU - B: NU MO IR NI HA FU OD AQ SM SS QU HO GU BA MC BI AP TN GN HR TO AM DU SB - C: SO CO DO LE SI KN WN WI VL GT KV MA DB CF? HB MT TK EB TL FR KA TU SJ MB PA KG - X: PR LG - (si: B: TE) - D: 4.
24d 19h 02m (02-05)	A: TA TE - B: IR LG AK QU MC AP TN AM DU SB - C: MO GT KV PR FU HB OD AG TK (TL) FR SM TU HO SJ MB MU GU PA BA HR TO - E: CF - (bps: B: BI?) - D: 25.

TABLE 1b NOT CHECKED STORM SUDDEN COMMENCEMENTS (S.S.C.'S) 1965JANUARY

17d 16h 18m (15-22) A: LU - B: TC.

FEBRUARY08d 09h 34m (32-36) A: AC - B: BI - C: TF MC - (bs: C: HU).
20d 22h 46m (44-50) C: TF TC DU - (si: LG - pg: B: BI).MARCH02d 13h 49m (44-54) B: VL SM - (si: C: LU - pi2: C: BI).
02d 14h 58m (50-62) B: CO TC - (pi2: B: TO - pc4: B: SI).
03d 03h 59m (58-60) B: BI? WK.
03d 10h 58m (54-61) A: TR - C: MA TF MB - (si: HL - bp: B: EB - bps: B: BI - pi2:
17d 13h 08m (08) B: LQ BI. B: LG).
22d 15h 15m (15-16) B: SM GN.
22d 20h 24m (21-28) B: LU - C: PP.APRIL

29d 15h 19m (19-20) A: CM - B: TF

MAY

none

JUNE04d 03h 18m (18-20) C: BI PI - (si: HL - b: C: HU).
29d 02h 32m (29-33) B: SW - C: ST CM MA DB.JULE27d 08h 26m (22-31) C: LE TC.
28d 00h 17m (11-20) B: AK - C: TF PE - (si: HL - pi2: A: AC).AUGUST07d 08h 10m (06-12) B: LU AC - C: BI - (si: C: PP - bs: B: HU).
13d 20h 16m (15-16) C: LG TL - (si: B: BE).
18d 13h 05m (05) C: WN CM.
18d 17h 00m (58-04) A: TE - B: TF FR - C: PP? - (si: B: VL).SEPTEMBRE03d 21h 51m (48-53) A: SF - C: DB SU TI MB MC - (si: B: HL TN - C: CM).
27d 15h 36m (35-37) B: SW BE.OCTOBER

28d 09h 09m (07-12) A: CO - B: VL.

NOVEMBER05d 09h 01m (00-02) B: PR? - C: BI.
05d 12h 47m (40-49) A: TC - B: VL LG SF - (si: C: TL).
30d 04h 43m (43-44) C: BI LM.
30d 09h 04m (55-10) B: AG - C: MB? PP KG - (si: A: SJ - pg: C: BI).
30d 10h 30m (29-32) B: SW PR? - C: TF.DECEMBER01d 10h 46m (43-48) B: TA - C: MB BI PP LM - (si: C: MC).
26d 09h 26m (25-27) A: SF - B: TF - (si: A: MO).
28d 13h 36m (36) B: SW - C: TF.

TABLE 2a BAYS AND PULSATIONS 1965

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. Caution should therefore be observed if the list is used for statistical purposes.

JANUARY

01d 17h 42m	(40-45) bs: B: GN - bp: C: TO - bps: B: TK - pi2: B: FU BI TN; C: MT TF KA KY - (ssc: A: TR; B: AK QU; C: SR).
01d 23h 19m	(19-20) bp: C: KV? EB - bps: B: VL.
02d 13h 13m	(12-15) bps: C: MT KA KY TO - (ssc: B: TR - si: B: PM - pc4: PP?).
02d 18h 20m	(20) bp: C: IR KV?
02d 19h 38m	(29-48) bp: B: MA TF; C: EB - bps: B: VL - pi2: B: TI BI - pc4: B: LG.
02d 23h 25m	(18-35) b: B: HL; C: MB - bp: A: TF; B: ES WN WI HA KV? MA PR FU CF HB EB TL PE AE BI - bps: B: VL KS.
03d 00h 23m	(18-30) b: A: SJ - bp: B: WN PR FU CF HB CI AK; C: KV? EB - bps: A: AG; B: VL - pi2: B: WI.
03d 15h 51m	(48-54) b: A: MO - bp: A: NU OD; B: HL TK IK - bps: B: SO - pi2: B: TR; C: CM - pc4: B: PP.
03d 16h 35m	(30-38) bp: A: TC; B: SO TF TN; C: KV? - pi2: B: CM - (cr: B: MB).
03d 23h 24m	(17-29) bp: B: SO NU WI; C: KV? - pi2: A: FU LG; B: OD AQ EB PE MB BI; C: CM.
04d 00h 22m	(18-27) bp: B: SO NU SW VL CF IK EB; C: KV? - bps: A: TR; B: LG AE - pi2: A: CM MA FU MB MC; B: AQ TF CI PE BI; C: FR HU.
04d 17h 29m	(29-30) bp: B: NU; C: KV? - pi2: A: FU; B: TK; C: BI.
04d 18h 07m	(00-13) b: B: HL - bp: B: CO CF HB OD TF TK QU; C: WN KV? - bps: A: NU - pi2: B: CM TI.
04d 23h 34m	(32-35) bp: B: CF MC; C: EB TC - pi2: B: PE.
05d 15h 23m	(10-37) bp: B: NU OD MT TK KA KY PM TO - pi2: A: FU; B: ES CM MA LG TI QU TN AC; C: TF - (ssc: C: SR).
05d 16h 00m	(00) bp: C: KV? - bps: B: IR.
06d 19h 10m	(09-11) bp: B: SO - pi2: A: FU TF; B: TK BI TN.
07d 12h 36m	(25-47) bp: C: PM - pi2: B: GU TO - pc4: A: AC; B: GN.
08d 00h 15m	(00-31) b: B: SW - bs: A: SF - bp: A: NU ST WN VL DB PR OD AQ IK EB TL PE TI MB; B: LE MO HL WI HA KV? MA CF HB SU CI SM AE BI MW - bps: A: LG TF; B: ES CM KS - pi2: A: FU SJ LU - pc4: A: QU.
08d 14h 21m	(18-27) bp: A: OD; B: MT KA KY PM.
08d 14h 52m	(48-55) b: C: TI - bp: B: MO; C: TF.
08d 15h 10m	(10) bp: B: IR; C: KV?
08d 16h 41m	(30-46) bp: B: WN MA PR CF OD BI; C: TF EB - bps: C: TI - pi2: B: CM FU.
08d 22h 05m	(00-08) b: A: MC - bs: B: KS - bp: A: OD; B: VL KV? MA CF EB PR BI; C: HA - bps: B: LG - pi2: C: FU.
09d 18h 11m	(09-13) bp: C: KV? TK - pi2: B: TF; C: FU.
09d 21h 11m	(56-25) b: A: NU ST? PE; B: SW TN - bs: A: SO DO DB SU KS; B: HL - bp: A: AE TC; B: WI IR BE KV? CF LG EB SM BI; C: HR KG - bps: A: LE WN PR FU HB OD TF TK IK TL TI QU; B: MO VL CM HA MA - pi2: B: ES - (si: A: AK; B: TR).
09d 21h 44m	(43-45) bp: B: DB - pi2: B: AQ EB PE MB.
09d 22h 07m	(05-13) b: A: PE; B: TN - bp: B: EB BI; C: KV?

TABLE 2a BAYS AND PULSATIONS 1965 - continued
(JANUARY)

09d 22h 46m	(45-47) bp: B: BI; C: EB.
10d 13h 35m	(29-44) bp: B: TI PM TO - pi2; B: MT KA KY; C: HO - pc4; A: AM.
10d 22h 37m	(33-45) b: B: HL SW TN - bp: A: WN; B: LE ES ST WI VL BE MA DB PR FU CF HB OD AQ EB SM BI; C: CM TL PE - pi2; B: LG.
12d 09h 39m	(30-48) bp: A: AP; C: PP - pi2; C: SI - pc4; B: FU.
12d 13h 16m	(08-30) bp: B: MO IR TO; C: MT KA KY - pi2; B: LU; C: HO -(ssc:A:TR).
12d 23h 46m	(34-59) bp: B: CF - pi2; B: MA FU? BI; C: TF.
13d 18h 55m	(54-55) bp: A: TF; B: OD - pi2; B: CF.
13d 19h 13m	(12-14) bp: C: WN KV? TK TI.
14d 11h 15m	(13-17) b: B: SR - bp: B: PM TO; C: VI MT KA KY - bps: B: DU - pi2; A: AC; B: GN; C: HO.
14d 13h 10m	(06-20) bp: B: IR - pi2; B: GN; C: MT KA KY HO - pc4; C: FR?
15d 02h 52m	(52-60) bp: B: MA CF BI; C: KV? EB - bps: B: LG - pi2; A: AC; B: FU - pc4; B: TF.
15d 17h 27m	(18-40) b: B: SW - bp: B: BE HB OD TF QU; C: TK KG - pi2; A: FU; B: BI; C: CM.
16d 11h 19m	(18-20) bp: C: TO - pi2; A: CO AC; B: MB AQ KA KY BI HU; C:HO-pc4; B: GN.
17d 10h 02m	(00-05) bp: C: KV? - bps: A: CO; B: BI - pi2; B: FU.
17d 13h 25m	(20-32) b: A: SF - bp: A: OD; C: VI PP - pi2; A: GN; B:MT KA KY TO; C: HO - pc4; B: SI.
17d 14h 15m	(15) bp: B: IR; C: KV?
17d 21h 12m	(02-15) bp: B: MA CF OD IK; C: KV? - bps: B: LG EB AE BI.
18d 21h 44m	(30-46) b: B: SW - bs: B: HL AE - bp: A: NU IK; B: SO LE ES ST WN WI VL HA MA PR FU CF HB OD EB CI TL MC; C: KV? - bps: B: AQ KS BI - pi2; CM TF - (si: A: TN).
18d 22h 08m	(08-09) bp: B: EB - bps: B: BI - pi2; B: AQ.
19d 20h 43m	(40-48) bp: B: SO NU - pi2; A: FU TF BI; B: AQ EB TN; C: CM TK - pc4; B: LG - (ssc: B: TR).
19d 22h 44m	(33-55) b: A: SF; B: HL SW - bp: A: NU WN OD SU TF IK CI TC TN; B: ST WI VL BE HA KV? MA DB PR FU CF HB AQ EB TL SM QU MC; TK MB - bps: A: LG; B: ES KS - pi2; A: BI AC; B: CM HU; C: HO.
20d 18h 09m	(00-15) bp: A: NU; B: SO CF HB TF WK; C: KV? TF - pi2; A: FU; B: BI; C: FR - (ssc: A: TR - si: B: MA - sfe: TE).
20d 22h 10m	(05-16) bp: A: PR; B: WN KV? MA CF HB LG TF EB TL MW - pi2; A: FU; B: BI LU - (ssc: A: TR; B: SO).
21d 00h 06m	(06) bp: B: KV? TF.
22d 00h 08m	(04-15) b: B: SW; C: MB - bp: A: TC; B: WN PR FU HB EB TL AE KS; C: KV?
22d 05h 59m	(43-67) b: A: FR SF; B: TU - bp: A: TE SJ; B: MO; C: MT KA KY - bps: B: HL - (ssc: B: IR LM).
22d 06h 33m	(30-36) b: A: SR - bp: B: TL - bps: PP.
22d 13h 20m	(20) bp: B: MT KA KY.
22d 13h 48m	(40-55) b: B: SR - bp: B: IR - pi2; B: HO.
22d 18h 55m	(52-56) bp: B: CF; C: KV? - pi2; A: FU; B: BI.
22d 19h 53m	(49-63) b: A: PE - bp: A: FU; B: ES WN VL HA MA CF EB TL AE KG; C: KV? - bps: B: LE BI - pi2; B: CM - pc5: A: CO?
23d 19h 30m	(23-37) bs: B: HL - bp: A: NU; B: WI OD TN; C: MC - bps: B: LG - pi2; A: HA AC; B: CM FU AQ BI.

TABLE 2a BAYS AND PULSATIONS 1965 - continued

(JANUARY)

23d 19h 51m (50-52) bp: A: NU TN; B: WN KV? MA PR FU CF HB OD IK PE; C: EB
 - bps: B: VL LG - pi2: A: TK; B: WI; C: HO - pg: B: QU - (si: B: SO).
 23d 22h 10m (09-12) bp: B: SO MA; C: KV? EB - pi2: B: ES FU CF PE BI; C: CM TF.
 25d 04h 11m (10-13) b: A: AG - pi2: C: HU.
 25d 05h 03m (01-06) bps: B: AG - pi2: A: AC; B: HU; C: PP.
 26d 23h 46m (45-47) bp: B: CF - pi2: A: FU; B: ES ST HA MA OD AQ IK EB PE MB
 BI - pc4: B: LG.
 29d 00h 32m (21-38) bp: B: EB HU - pi2: B: FU CF PE MB - pc4: LG AC.
 29d 14h 15m (15) bp: B: PM; C: TO WK - pc4: A: FU.
 29d 14h 30m (30) bp: B: IR - pc4: B: BI.
 29d 22h 48m (44-53) bp: B: MA; C: KV? - pi2: B: FU BI; C: TF.
 30d 10h 28m (23-30) b: B: SR - bp: B: ME TO.
 31d 14h 18m (17-19) b: B: SR - pi2: C: MT KA KY.
 31d 18h 53m (53-54) bs: B: BI AC - (si: C: TC).
 31d 22h 22m (19-26) bps: B: LG - pi2: B: CM.
 31d 22h 50m (50) b: C: TC - bp: C: KV?

FEBRUARY

01d 02h 06m (00-15) b: A: AG - bp: B: CF SM TC; C: EB - pi2: A: AC; B: PE MB BI;
 C: HU.
 02d 03h 01m (00-03) bp: B: PR AQ IK CI SM; C: EB - pi2: C: CM - pc4: C: TF.
 03d 21h 41m (30-62) b: A: NU AK; B: SW - bp: A: OD TF; B: MO WN VL MA PR CF
 HB AE TI; C: KV? TK TL HR - pi2: A: BI; B: ST AQ EB PE; C: MB -
 pc4: A: LG; B: LU.
 04d 01h 32m (27-35) b: B: ES - bp: C: BI - pi2: B: AC; C: MB - pc4: B: LG.
 04d 09h 37m (31-40) bp: C: BI - pi2: B: PP AC; C: TU.
 04d 16h 16m (15-18) bp: B: TO KG - pi2: C: MT TK KA KY.
 04d 16h 42m (40-46) b: A: NU PR; B: SW HB; C: WN - bp: B: BE; C: KV?
 04d 19h 00m (00) bp: B: KG; C: KV? TF.
 04d 23h 23m (14-28) bp: B: CF; C: EB - bps: B: LG - pi2: A: TF; B: AQ PE TI; C: MB -
 pc4: B: QU.
 05d 00h 03m (00-06) bp: C: EB - pi2: C: MB.
 05d 04h 06m (00-12) bp: A: SJ; C: HU - pi2: B: MB AC; C: FR TE BI.
 05d 16h 25m (23-30) b: B: SR - bp: B: IR; C: KV? - pi2: C: MT TF TK KA KY.
 05d 17h 41m (30-44) b: B: SW - bp: A: TF; B: NU WN VL BE MA PR CF HB EB TI BI;
 C: TK - pi2: A: CM LG QU TN AC; B: ES HA AQ MT PE KA KY BI TO -
 pc4: B: FR - (ssc: B: TR).
 05d 18h 41m (34-50) bp: C: TI - pi2: A: QU AC; B: CM LG AQ TK PE TO; C: MT KA KY.
 06d 00h 21m (12-24) bp: B: LG AQ BI - pi2: B: OD MB AC.
 06d 00h 41m (36-43) b: A: AG SF - bp: A: TC SJ; B: ES WN SW BE HA MA DB PR CF
 HB IK EB TL PE SM AE LU AC; C: MC HR - bps: B: VL LG MB - pi2:
 A: TN; B: CM TF; C: HU.
 06d 15h 39m (35-40) bp: B: ES DU - bps: A: MO; B: HB MT KA KY WK - (si: A: OD).
 07d 00h 42m (35-46) bp: B: BI - bps: B: MA PE AC - (si: B: TE).
 08d 20h 04m (00-10) b: B: SR SW - bp: A: HR - (si: A: TR).
 08d 20h 30m (23-40) b: B: ES HL MB - bs: A: SF - bp: A: ST CM HA AQ CI PE QU; B:
 WI CF KG - bps: A: NU MO WN VL MA DB PR HB TF TL TI; B: LE
 FU LG AE BI MW - pc4: B: SI - (ssc: A: AK KS; B: SO - si: A: OD TK -
 sfe: IR).

TABLE 2a BAYS AND PULSATIONS 1965 - continued
(FEBRUARY)

08d 23h 51m (48-54) bps: B: MO - (si: B: TE).
 09d 09h 06m (06-07) bs: A: BI - (ssc: C: MC).
 09d 14h 01m (55-05) bp: C: TF - bps: B: BI - (si: A: AC; B: VL).
 09d 16h 40m (39-40) bp: A: MO; B: TO - pi2: A: AC; B: MT KA KY.
 09d 17h 30m (30) bp: C: KV? - bps: B: BI - pi2: B: FR.
 09d 21h 52m (51-52) bp: B: WN PR; C: KV? - (ssc: B: TR).
 10d 10h 14m (11-17) bp: C: VI - pi2: C: BI.
 10d 10h 52m (51-54) bp: C: TF - bps: B: TI.
 10d 14h 24m (20-30) b: B: SW - bp: B: MO HB OD; C: TF - pc4: A: FR; B: TU BI.
 10d 20h 13m (05-20) b: B: SW HB TI - bp: A: OD TF; B: LE WN VL BE MA PR; C: CM KV? TL AE.
 11d 06h 50m (39-62) b: B: SR - bp: B: VI OD AP PP - bps: A: ME - pi2: A: TE; B: HU; C: HO - pc4: A: AC.
 11d 17h 36m (30-45) b: B: SW - bp: B: SO NU MO HB OD TF; C: IR - (si: B: LG).
 11d 18h 24m (20-30) bp: B: CF HB; C: WN IR KV? EB - pi2: B: TI.
 11d 23h 38m (28-40) b: B: BE - bp: B: ES WN VL MA PR CF HB; C: EB - bps: B: LG - pi2: B: ST CM AQ PE BI; C: TF - (si: A: TR).
 12d 09h 28m (26-30) bps: B: VI AP - pi2: A: AC; B: TU HO BI HU.
 12d 09h 42m (42) bp: B: AM - (sfe: SR).
 13d 01h 09m (07-11) b: C: PM - (si: HL).
 13d 17h 28m (23-30) bp: C: BI - pi2: B: TI QU; C: MT TK KA KY.
 13d 18h 12m (00-18) b: B: SW - bp: A: NU; B: SO PR HB TF; C: WN EB - pi2: A: AC; B: CM CF LG TK TI.
 13d 21h 43m (42-45) bp: B: CF - pi2: B: MA OD TF BI - pc4: B: LG.
 14d 10h 40m (40-42) bp: B: OD; C: MT KA KY.
 14d 11h 00m (00) b: A: SR; C: TC - bp: B: TO.
 14d 17h 49m (45-50) bp: B: OD TK TL GN KG; C: BI - pi2: C: MT KA KY.
 14d 18h 28m (22-31) b: A: PE; B: SW - bs: B: KS - bp: B: KV? MA DB CF EB LU - bps: A: SO NU MO TF; B: WN WL CM PR HB LG QU BI MW; C: TK-(si: B: TR IK).
 14d 19h 11m (03-14) b: A: PE - bs: B: KS - bp: B: WN VL PR HB TF LU; C: KV? EB BI - bps: B: LG; C: MW - pi2: B: CM.
 14d 22h 45m (45-46) bps: B: LG - pi2: C: BI.
 15d 00h 24m (21-25) bp: B: BI - pi2: A: FR; B: ES CF EB TE; C: HU.
 15d 00h 58m (45-65) b: C: TC - bp: B: VL CF CI SM; C: EB - pi2: B: MB HU.
 15d 15h 26m (19-50) b: A: SF; B: WI SW; C: DB - bp: A: MT IK KA KY QU GN; B: WN VL CM MA PR HB OD TF EB TL TI GU PM KG WK; C: MW - bps: A: NU MO IR TK; B: HL BE.
 15d 22h 27m (25-30) bp: B: EB BI.
 15d 23h 39m (39-40) bp: C: KV? EB - bps: B: ES.
 16d 23h 08m (07-09) bp: B: CF; C: EB MC - bps: B: LG - pi2: C: MB.
 17d 00h 39m (37-40) bp: C: BI - bps: B: LG - pi2: B: AQ PE.
 17d 12h 22m (16-36) b: B: AM - bp: C: VI - bps: A: AP; B: PM GN TO - pi2: B: TE HU; C: MT KA KY - pc4: B: LG.
 18d 21h 26m (11-30) b: A: SF; B: SW AK - bp: A: NU WN PR TL; B: MO ES ST WI VL CM HA MA DB FU CF HB OD AQ TK IK EB CI PE AE TI QU KG-bps: A: LE; B: HL BE - pi2: B: LG BI TN.
 18d 21h 48m (45-50) bp: C: IR KV? - bps: A: NU - pi2: A: QU; B: LG TN.

TABLE 2a BAYS AND PULSATIONS 1965 - continued
(FEBRUARY)

19d 18h 25m (25) bp; C: KV? - bps; B: BI.
 19d 21h 40m (26-52) bs; B: HL KS - bp; B: LE VL MA PR CF HB OD LG AQ TF EB PE TI BI; C: WN HA KV? - pi2; C: CM.
 20d 06h 44m (40-45) bps; A: ME - pi2; A: AC; B: HU; C: FR TE.
 20d 16h 02m (58-10) bp; B: PM; C: TO - bps; B: BI - pi2; B: TN.
 20d 21h 28m (23-30) bp; B: CF - pi2; A: TF; B: ES OD AQ EB; C: HU - pc4; B: LG QU - (ssc: SW).
 21d 03h 14m (00-23) bp A: TC; B: VL - pi2; A: AC; B: BI LU; C: MB - pc4; B: LG.
 21d 13h 19m (14-21) bp; B: GN; C: TO - bps; B: IR - pi2; A: AC; B: MT KA KY HO - pc4; A: AM.
 21d 20h 24m (22-27) b; A: TN - bp; B: VL MA CF OD TI BI; C: TF - bps; A: LG; B: EB - (si: B: TR).
 22d 13h 34m (28-37) bp; C: TO - pi2; A: AC; B: MT KA KY GN.
 22d 21h 03m (00-05) bp; B: SO; C: KV? - pi2; A: TF; B: OD.
 23d 16h 43m (43) bp; C: MT KA KY.
 23d 17h 28m (25-36) b; A: EB - bp; A: TL BI; C: AE HR - bps; A: MO AC; B: HB.
 23d 21h 52m (52-53) bps; B: MW - pi2; B: CF.
 23d 22h 50m (50) bp; B: CF; C: KV?
 24d 22h 21m (18-23) b; B: SW - bp; A: NU - pi2; B: CF TF PE BI - (ssc: B: SO; C: WI DB - si: A: LG; B: PR FU; C: WN HB).
 24d 23h 12m (05-15) b; A: NU; B: TC - bp; B: HB.
 24d 23h 40m (27-60) b; A: OD PE SF MC; B: MB - bs; B: KS - bp; A: LE TL SJ LU; B: VL LG EB CI AE BI HR; C: KV? TF KG - bps; A: MO - pi2; B: CF.
 25d 00h 45m (30-57) bs; B: SU - bp; B: KV? CF CI; C: EB - pi2; A: TE AC; B: FR MB HU.
 25d 06h 26m (26-27) bp; B: AG - pi2; B: TU.
 25d 20h 59m (56-63) bp; B: LG BI - pi2; B: EB; C: HU.
 25d 21h 23m (20-27) b; A: NU; C: TC - bs; A: KS; B: HL - bp; A: PR OD; B: LE ES ME WN WI VL MA CF HB AQ TF EB CI PE TI; C: HA - bps; B: FU TL AE MW - pi2; CM.
 26d 15h 14m (14-15) bp; B: OD; C: KV? - pc4; C: LG.
 26d 19h 57m (55-58) bp; A: PR; B: VL KV? MA CF OD; C: WN EB - pi2; B: TI; C: HU.
 27d 14h 02m (55-10) b; B: SR - bp; B: OD MT KA KY PM GN TO - bps; B: IR.
 27d 14h 27m (18-31) b; B: SW - bp; A: MO; B: HB TK; C: TF.
 27d 21h 58m (58) bp; B: TL; C: KV?
 27d 23h 03m (43-66) b; A: SF - bp; B: VL HA MA FU CF OD AQ IK EB CI PE SM AE TC MC BI - bps; A: LG; B: ES; C: MW.
 28d 14h 21m (20-22) bp; B: PM TO - pi2; B: MT KA KY BI GN; C: TK.
 28d 15h 13m (09-14) b; B: SR - bp; C: MT KA KY.

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01d 12h 08m (08) b; C: PP - bp; B: LU.
 01d 12h 49m (49-50) bp; C: TO - bps; C: MT KA KY - pi2; B: HO
 01d 16h 50m (40-65) b; A: SF TN; B: SW LM - bs; B: HL SU - bp; A: IK; B: ES WI VL HA KV? DB FU CF LG AQ EB TL PE AE QU HR KG - bps; A: NU MO WN MA PR OD KS; B: LE BE CM BI - pi2; B: GN.
 01d 21h 33m (28-35) b; A: PE - bs; A: NU - bp; B: ES VL BE HA MA PR CF OD IK; C: EB TI BI - bps; A: WN; B: LG MW.

TABLE 2a BAYS AND PULSATIONS 1965 - continued
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02d 08h 23m	(20-26) b: C: PP - pi2: B: CO.
02d 16h 56m	(50-64) b: B: SW TO - bp: B: HB GN; C: KV? KG - bps: B: TF.
02d 19h 08m	(05-12) bp: B: CF MW; C: WN KV?
03d 01h 45m	(40-48) bp: A: CI; B: VL CF - pi2: A: LG MB; B: ES CM EB PE SM BI; C: FR - (ssc: SW).
03d 05h 59m	(54-61) bp: A: TE - bps: B: BI - pi2: B: TU - (ssc: A: ME).
03d 17h 25m	(20-40) bs: A: NU - bp: A: HR; B: IR MA EB TL KG - bps: A: MO PR HB; B: WN CF - (si: A: OD).
03d 21h 03m	(00-05) b: B: TN - bs: A: NU - pi2: B: ES; C: BI.
03d 21h 34m	(20-36) b: B: TN - bs: A: SF - bp: A: IK PE LU; B: MO HR - bps: A: VL HA MA DB PR LG CI TL AE BI; B: WN FU CF HB EB - (si: A: ST; B: LE ES).
04d 04h 38m	(37-39) bp: A: SJ; B: TU - bps: A: TE HU AC.
04d 16h 50m	(50) bp: B: OD - pc4: C: BI.
05d 10h 05m	(00-10) bp: A: TE - bps: A: CO ME VI - pi2: B: SI; C: HO HU - pc4: A: AC.
05d 17h 19m	(12-24) bp: B: OD; C: TK - pi2: B: QU.
05d 18h 07m	(06-07) bp: B: PR - pi2: A: AC; B: CM; C: TI.
05d 18h 34m	(33-35) bp: B: MA; C: WN TK - pi2: A: AC; B: TI.
05d 22h 56m	(50-59) bp: B: VL BE MA CF; C: EB - pi2: B: LG.
05d 23h 36m	(34-37) bp: B: CF IK; C: KV? EB - pi2: B: CM LG PE MB; C: TI.
06d 00h 07m	(07) bp: B: ES - bps: C: BI.
06d 20h 21m	(19-26) b: B: SW - bp: B: OD TF TC; C: TK.
06d 20h 45m	(35-52) bp: B: BE MA CF HB AQ IK; C: WN TL.
07d 00h 08m	(06-10) bs: A: SF - bp: A: MC; B: WN WI HA MA DB PR FU CF HB OD IK SM AE HR; C: KV? EB TL PE - bps: B: VL LG - pi2: A: AC; B: AQ; C: MB.
07d 00h 23m	(22-24) bp: B: HA CF IK TC; C: EB MB LU - bps: A: AC; B: LG CI.
07d 05h 34m	(34-35) bp: A: AC; B: TE - bps: C: VI - pi2: B: HU.
07d 12h 13m	(10-17) b: A: SR - bp: A: PM; B: MT KA KY TO AM DU; C: VI.
08d 10h 36m	(32-45) bp: B: TC - pi2: B: MT KA KY BI TO AM; C: HO HU - pc4: A: AC.
08d 12h 58m	(57-60) bp: B: TO - pi2: B: CO; C: MT KA KY - (sfe: SR).
09d 01h 27m	(21-36) bps: B: KS - pi2: A: AC; B: MB; C: HU - (ssc: C: IK MC -si:A:TN; B: BI).
09d 21h 17m	(16-19) bp: B: SO CF - pi2: B: CM MA OD AQ TF PE BI; C: EB - pc5: B: ES - (si: A: TR).
11d 01h 38m	(33-44) bp: A: TC; B: VL SM - pi2: A: MB; B: CF OD AQ IK BI - pc4: B: CI - pc5: A: LU - pc4+pc5: A: AC.
11d 18h 43m	(36-50) bp: B: NU CF KG; C: WN MA - pi2: A: AC; B: CM AQ BI; C: MT TK KA KY HU.
12d 18h 11m	(04-13) bs: B: NU - pi2: A: AC; B: TF BI - (ssc: A: TR; B: SO).
13d 19h 00m	(00) bp: B: TF; C: KV?
14d 04h 16m	(14-18) bp: C: HU - pi2: A: AC; B: BI; C: TE.
14d 13h 39m	(30-42) b: A: SR - bp: A: AP AM; B: PM GN TO; C: VI MT KA KY - bps: DU - pi2: A: AC; C: TK HO.
14d 14h 31m	(27-36) b: C: PP - pi2: C: BI.
14d 19h 34m	(25-42) bp: C: KG - pi2: A: TF; B: TI; C: TK HU.
14d 19h 56m	(55-57) bps: A: NU; B: DO BI - pi2: A: AC; B: ES CF EB - (ssc: A: TR; B: SO).

TABLE 2a BAYS AND PULSATIONS 1965 - continued
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14d 20h 23m	(20-25) b; B: TN - bp; B: MO WN WI VL HA PR CF HB AQ EB; C: KV? PE HR - bps; A: LG; B: LE MA FU OD - pi2; C: CM.
14d 23h 20m	(17-24) bps: A: BI - pi2; B: TF EB.
15d 00h 10m	(06-15) b; A: TN - bs; A: SF; B: VL - bp; A: IK MB MC; B: MO BE CF AQ EB CI PE SM HR MW; C: WN KV? TF TI - bps; A: OD LG LU; B: ES MA DB FU HB AE; C: TL - pi2; C: CM - (ssc: A: TC).
15d 06h 01m	(00-03) bp: A: TE; B: VI HU - pi2; A: AC; B: SI TU BI; C: FR - pc4; B: AM - (ssc: B: ME AG).
15d 08h 45m	(44-46) b; C: PP - bp; A: TE.
15d 17h 42m	(30-56) b; B: SW OD - bs; B: HL - bp; B: NU MO MA KG; C: MT KA KY- pi2; C: TF.
15d 19h 49m	(40-51) b; A: PE TN - bp; B: CF OD MC; C: KV? - bps; A: BI; B: HB LG KS LU; C: TI.
16d 21h 29m	(28-29) bp: B: DO BI - pi2; B: EB PE.
16d 22h 11m	(00-16) b; A: MO SF TN; B: SW - bp; A: SO IK; B: NU LE ES ST WN WI VL BE HA MA DB CF HB AQ TF EB CI PE AE MC LU MW; C: KV? TL HR - bps; B: HL FU LG KS; C: TI - pi2; C: CM TK HU - (si: B: TR).
16d 22h 32m	(27-40) bp: A: SU TC; B: SM MB.
17d 16h 35m	(30-40) b; B: SW - bp; B: IR.
17d 16h 56m	(55-57) bp: B: PR TF; C: WN - pi2; B: TK; C: CM - (ssc: B: SO).
17d 17h 55m	(55-56) bp: A: NU; C: KG.
19d 23h 26m	(22-32) bp: B: CF - pi2; A: MB; B: ES ST EB BI LU - pc4; B: CI - pi2 + pc4; A: AC.
20d 13h 20m	(18-24) b; B: SR - bp; A: AP AM; C: VI MT KA KY PM DU - pi2; C: HO.
20d 23h 14m	(09-28) b; B: MW - bp; B: ES; C: EB - pi2; A: CM LG TF MB MC; B: ST IK PE BI TN - pg; B: HL OD AQ - pc4; B: QU - pc5; A: LU; B: WI.
20d 23h 45m	(44-47) bp: B: CF - pi2; A: MA - pc4; B: CI.
21d 12h 39m	(38-40) bp: A: AP; B: TO; C: MT KA KY DU.
21d 21h 18m	(12-28) b; A: SF TN; B: ES SW - bs; B: MW - bp; A: NU OD TF AC TC; B: LE MO HL ST WN WI VL BE CM HA MA PR FU CF HB AQ EB TL PE TI QU MC BI KG - bps; A: KS; B: HA LG AE - (si: B: TR; C: LU).
21d 21h 40m	(40) b; A: SU - (cr: C: PP).
22d 18h 05m	(00-06) bp: A: NU - pi2; A: TK AC; B: CM HA CF TF TI BI; C: MT KA KY.
22d 21h 17m	(10-35) b; A: TN; B: SW - bs; B: HL - bp; A: OD; B: WI CF HB LG TF EB TL PE HR; C: AE - bps; A: NU PR; B: DO LE MO ES WN IR VL BE CM MA - pi2; B: BI.
23d 04h 38m	(34-40) bps: B: AG - pi2; A: AC; B: BI; C: FR MB HU - (ssc: B: TR).
23d 05h 21m	(18-24) bp: A: TE - bps; A: HU - pi2; A: MB; B: BI.
23d 08h 14m	(11-16) bps: B: BI PP? - (ssc: B: TC - si: B: OD).
23d 08h 28m	(26-30) bp: A: AM; B: HU.
23d 17h 20m	(13-26) bp: B: MO QU BI; C: TF.
23d 20h 18m	(05-26) b; A: SF - bs; B: HL - bp; A: LG IK EB TL AE MB LU HR; B: ST BE HA FU PE KG; C: ES KV? TF - bps; A: MA DB PR BI; B: MO WN VL CM CF HB - (si: A: OD).
23d 20h 41m	(37-45) bp: A: IR PE.
24d 06h 31m	(30-32) bp: C: VI - bps; A: ME - pi2; A: AC; C: HU.
24d 08h 32m	(30-33) bp: B: BI PP - bps; B: VI OD - pi2; A: AC; C: FR HO HU.
24d 11h 55m	(50-60) bps: A: IR - pc4; B: FR.
24d 20h 54m	(53-55) bp: B: BI - pi2; B: CF EB.

TABLE 2a BAYS AND PULSATIONS 1965 - continued

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25d 05h 27m	(22-37) bp: A: TE; B: VI TU - bps: A: ME AC; B: HU - pi2; C: FR - pc4; B: BI - (ssc: B: AG).
25d 07h 52m	(50-55) bp: C: VI DU.
25d 08h 07m	(00-10) bp: B: PP; C: MT KA KY - bps: B: BI - (si: B: OD).
25d 08h 30m	(25-35) bps: B: IR - (cr: SW).
25d 18h 51m	(45-60) b: B: SW; C: MB - bp: A: NU; B: CF KG; C: KV? - pi2; B: BI-(ssc: A: TR).
25d 19h 32m	(30-37) b:A: SF; C: MB - bs: B: HL; C: ES - bp: A: PE; B: WI FU IK EB TL AE HR - bps: A: DO NU WN MA PR TF KS; B: LE MO VL BE HA CM DB HB LG BI MW - (si: A: TR TN; B: ST).
25d 19h 53m	(50-57) bp: A: TC; B: IR; C: KV?
25d 23h 29m	(25-30) bp: B: BI; C: KV? - pi2; B: EB; C: ES MB.
26d 00h 31m	(10-39) b: A: SF; B: HL SW - bs: B: VL - bp: A: ES IK PE MB MC; B: MO MA FU CF EB TL AE HR - bps: A: PR BI LU; B: BE HB LG.
26d 05h 03m	(03-04) bp: B: TE; C: VI.
26d 07h 51m	(45-60) b: B: TE; C: PP - bp: A: AP; C: MT KA KY - bps: B: HU - pi2; B: TU BI; C: FR - pc4; B: ES.
26d 08h 50m	(45-55) bp: B: IR - pc4; B: BI.
26d 21h 38m	(36-40) b: B: TN - bs: B: HL - bp: B: SO DO VL HA MA PR CF HB LG AQ TF IK EB PE; C: WN KV? TL HR - bps: A: OD; B: BI; C: TI-pi2; B: ES CM.
26d 22h 06m	(03-09) b: B: TN - bp: A: TC; B: SO VL HA MA CF AQ TF EB PE LU - bps: B: LG BI; C: TI - pi2; B: WI CM MB.
26d 22h 47m	(45-49) bp: B: ES HA CF LG EB MC LU; C: KV? PE - bps: B: BI - pi2; B: CM; C: MB.
26d 23h 37m	(37-38) bp: B: ES HA CF EB PE MC; C: KV? - bps: B: VL BI - pi2; B: CM; C: MB.
27d 01h 20m	(18-22) bp: C: EB - bps: B: AC; C: BI HU - pi2; B: CF; C: FR - (si: A: TC).
27d 14h 39m	(38-40) bp: B: PM TO; C: MT KA KY.
27d 19h 38m	(33-46) b: A: SF LM; B: SW AK - bs: B: SO - bp: A: IK QU; B: DO LE MO WI VL HA DB CF AQ EB CI TL AE BI LU TN KG; C: PE HR - bps: A: NU WN PR OD; B: HL BE CM FU HB LG TK TI KS - pi2: A:LG; C: MT KA KY.
27d 20h 00m	(00) bp: B: IR; C: KV?
27d 20h 30m	(29-31) bp: B: BI - pi2; B: AQ EB.
27d 20h 44m	(42-46) b: B: TN - bp: B: CF; C: EB PE TI.
28d 07h 31m	(28-35) bp: C: TO - pi2: A: AC; B: LU - pc4: B: ST CI BI.
28d 19h 30m	(25-36) bp: A: TF - pc4: C: CO FR.
29d 01h 55m	(50-60) bp: B: VL CF CI; C: BI - pi2; C: MB HU.
29d 11h 43m	(41-47) bp: A: TC - pi2: C: BI - pc4: A: AC.
29d 15h 02m	(00-05) bp: C: TO - (ssc: C: KG).
29d 19h 37m	(37-38) bp: B: BI - pi2: B: TI.
29d 20h 14m	(09-20) bp: A: NU OD; B: VL BE MA FU CF HB AQ TF PE; C: WN KV? EB - bps: B: LG KS; C: TI - pi2: B: CM HA - (si: B: TR).
30d 15h 41m	(39-45) bp: B: TO - pi2: A: GN AC; B: CM MA; C: MT KA KY.
30d 23h 57m	(55-60) bp: B: CF - pi2: A: MB; B: AQ - pc5: LU.
31d 00h 45m	(45) bp: C: BI - pi2: B: MB.
31d 08h 50m	(49-51) bp: A: TE AP; B: PP AM; C: TO - pi2: B: BI.
31d 23h 09m	(06-11) bp: B: CF; C: EB - pi2: A: FR MB AC; B: OD AQ IK CI BI LU.

TABLE 2a BAYS AND PULSATIONS 1965 - continued

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01d 00h 12m	(10-14) bp: B: MA CF SM · bps: C: BI - pi2: A: MB; B: CM AQ IK EB CI LU - pi2+pc4: A: AC - pi2+pc5: A: TW.
01d 13h 40m	(40-41) bp: B: PM - pi2: B: AC TO; C: MT KA KY.
01d 14h 38m	(28-49) bp: B: PM GN TO - pi2: B: BI - (si: HL).
03d 04h 32m	(29-35) bp: B: AC - pi2: A: TW; B: EB SM HU AM - pc4:A:SJ-pc5:A: TE.
03d 18h 02m	(00-08) bp: B: TN; C: KV? TI - pi2: A: TK; B: MA QU BI; C: CM-pc5: B; LU.
04d 03h 45m	(40-50) bps: C: AG - pi2: A: TE TW; B: FR TU BI HU - pc4: A:SJ-(si:HL).
04d 08h 07m	(00-12) bp: A: SJ; B: TU HU; C: VI PP - bps: B: AG - pc5: A: TE - pi2+pc4: A: TW.
04d 11h 01m	(00-02) b: B: TC - bp: C: TF
04d 15h 03m	(00-06) bp: B: TO - (sfe: B: SR).
05d 03h 37m	(32-40) bp: A: SJ TW; B: CI SM MB; C: EB TL HR - bps: A: AC; B: AG; C: HU - pi2: A: FR TE; B: HA TU GU; C: MT KA KY - pc4: B: BI.
06d 02h 42m	(40-48) bps: B: AG SM - pi2: A: TW; B: MB BI; C: FR HU - pc4: A: AC.
06d 04h 38m	(37-40) bp: B: ME - pi2: A: AC; B: MB; C: HU.
06d 16h 36m	(35-38) b: A: LM - bs: B: OD - (si: C: TK).
06d 22h 26m	(20-32) bp: A: NU; B: CF - pi2: A: ES ST MA LG IK MB MC LU AC; B: WI OD AQ EB PE BI; C: CM TI HU - pc4: B: CI PP? - (ssc: B: SO - si: A: TR).
06d 23h 14m	(06-16) bp: A: NU; B: CF EB CI; C: KV? - bps: B: ES - pi2: A: AC; B: WI TF MB.
07d 23h 19m	(19-20) bp: B: CF; C: MB - pi2: B: AQ PE.
08d 23h 45m	(40-51) bp: C: KV? EB - pi2: B: ES WI HA MA LG AQ PE TI TN;C: TF.
09d 01h 04m	(01-07) bp: A: LU; B: MA CF CI BI - pi2: A: MB AC TW; B: WI LG AQ IK EB SM.
09d 02h 50m	(37-60) bp: A: OD TE LU; B: CF MB BI; C: KV? - bps: A: AC;B:HU-pi2: A: TW; B: ES PE; C: EB.
09d 19h 39m	(28-54) bp: C: BI - pi2: A: AC; B: ES CM MA OD AQ EB TN; C: TF TK HU - (ssc: B: TR).
09d 20h 19m	(15-23) bp: B: VL - bps: C: BI - pi2: B: CF AQ TN; C: TI.
09d 21h 01m	(00-03) bp: B: VL MA PR CF IK EB; C: KV? PE - bps: A: NU HB;B: LG AE BI; C: WN - pi2: B: WI.
10d 08h 51m	(48-55) b: C: PP - bp: C: VI - pi2: B: SI; C: HO.
10d 23h 23m	(17-29) bp: B: CF - pi2: A: LG MB; B: ES ST AQ IK EB PE BI HU; C: CM - pc4: B: CI LU.
11d 01h 47m	(45-48) bp: A: AC; B: SM; C: EB TL - bps: A: AG - pi2: B: IK FR MB BI HU - pi2+pc4: A: TW.
11d 18h 37m	(35-38) bp: A: MA PR; B: WI HB EB KG; C: WN TL - bps: A: NU.
11d 23h 51m	(50-53) bp: B: CF - pi2: B: PE BI.
12d 12h 43m	(39-45) bp: B: PM TO AM - bps: A: CO - pi2: B: BI.
12d 19h 13m	(00-21) bp: A: TN; B: WN WI VL IR HB OD TF TK QU KG; C: KV? EB PE - bps: A: NU; B: SO DO TI - pi2:A;CM; B: BI.
12d 20h 25m	(23-32) b: A: ES; B: HL - bp: A: NU TN; B: SO WI HA KV? CF AQ TF IK EB AE QU; C: TL PE - bps: A: HB; B: WN VL MA PR OD LG TI - pi2: A: TK; B: CM BI.
12d 21h 24m	(14-34) bp: A: TN; B: OD EB; C: PE TI - pi2: B: TF BI.
13d 01h 34m	(18-40) bp: A: ES IK CI; B: WN WI PR CF HB AQ EB SM AE MC LU HR; C: ST TL - bps: B: VL MB - pi2: A: LG; B: CM TN; C: TF HU - pc4: B: TE.
13d 08h 08m	(08) bp: C: PM - bps: A: CO.

TABLE 2a BAYS AND PULSATIONS 1965 - continued
(APRIL)

14d 14h 35m	(33-40) bp: C: PM - pi2; B: TO; C: MT KA KY - (si: HL).
14d 16h 00m	(00-01) bp: B: PM GN.
14d 21h 37m	(30-47) bp: A: TN - pi2; A: MA TF TK; B: CM OD AQ EB QU; C: HU; pg: B: HL - pc5; B: WI.
14d 22h 01m	(00-02) bp: A: TN; B: VL CF IK; C: KV? PE - bps; B: LG - pi2; A: MB; C: HO - pc4; A: CI.
14d 23h 20m	(14-31) bp: B: MW; C: PE - bps; B: LG - pi2; B: AQ TI MB BI; C: CM TK.
15d 12h 25m	(22-27) bp: B: PM TO AM - bps; B: DU.
15d 23h 50m	(42-53) bs: B: BE - bp: A: IK; B: SO VL HA KV? CF HB AQ EB AE BI LU; C: PE MB MC - bps; B: MA LG - pi2; B: TI; C: TF TK.
16d 13h 06m	(00-12) bp: C: PM - pi2; C: BI - pc5; B: LU.
16d 18h 13m	(09-20) bp: B: SO TF; C: KV? - pi2; A: TK; B: ES CM HA OD LG AQ QU BI TN; C: MT KA KY.
17d 17h 50m	(50) bs: B: IR - bp: C: KV? - (si: B: LG).
18d 02h 04m	(58-07) bp: A: PP; B: CF MB BI.
18d 18h 43m	(33-49) b: A: PR; B: WN - bp: A: HB; B: IR TL AE.
18d 06h 09m	(06-12) bp: B: FR - bps: A: TE - (si: A: PP).
18d 10h 51m	(51) bp: C: MT KA KY.
18d 14h 23m	(22-23) b: A: BI? - bp: B: DU - bps: A: MT KA KY AM.
18d 23h 25m	(23-25) bp: B: HA PR CF HB.
19d 01h 18m	(14-25) b: B: MB - bp: B: PR CF HB TL BI; C: WN.
19d 09h 47m	(45-48) bp: C: MT KA KY - pi2; B: SI; C: HO.
19d 16h 26m	(25-27) bp: B: IR; C: KV? - bps: C: DU.
19d 21h 40m	(40) bps: B: MA BI - pi2; B: ES.
19d 23h 03m	(53-15) b: A: AE TL; B: NU - bs: A: LU - bp: B: WN PR CF HB TL MB; C: KV? - bps: B: VL BI.
20d 12h 13m	(08-18) b: B: SW; C: PP.
20d 13h 18m	(15-22) b: C: TC - bp: C: KV? - pc4: C: FR.
20d 21h 50m	(50-51) bp: B: HB; C: KV? - bps: B: LG.
22d 05h 10m	(10) bps: B: AG - pi2; C: HU - (sfe: OD).
22d 21h 52m	(48-70) bp: B: SO WI VL OD BI KG MW - pi2; A: ES CM LG TF MB; B: ST MA CF AQ TK IK EB PE TI QU MC LU TN - (si: B: TR).
22d 22h 36m	(30-40) b: A: SF; B: TI - bs: B: KS - bp: A: IK TC LU TN; B: ES VL HA CF AQ TF EB CI TL PE SM AE MC; C: MB HR - bps: A: LG.
24d 00h 47m	(47-48) bp: B: CF SM; C: KV?.
24d 11h 17m	(12-20) b: C: PP - bp: B: VI TE - pc4: C: FR.
26d 00h 47m	(43-50) bp: A: TC; B: LE ES VL MA PR CF HB AQ EB SM AE MB MC BI LU HR; C: ST WN HA TL TI - bps: B: LG.
26d 01h 02m	(02-03) bp: B: IK; C: PE.
26d 14h 36m	(35-37) bp: B: GN; C: PM - pi2; C: MT KA KY.
27d 23h 57m	(55-59) bp: B: VL; C: KV? BI.
28d 00h 31m	(20-34) bp: B: VL CF HB IK SM; C: EB - pi2; B: AQ BI.
28d 04h 00m	(59-00) bp: A: AC - pi2; C: HU - pc5: B: TW.
29d 05h 35m	(33-36) bp: A: AC; B: HU - pi2; B: TU; C: HO - pc5: A: TE.
29d 06h 24m	(20-27) bp: B: PP?; C: VI - pi2; A: AC; B: HU - pc4: A: TE.
29d 07h 26m	(25-28) bp: B: PP? - pc4: A: TE AC.
30d 01h 25m	(24-26) bp: B: CF; C: BI - pi2; A: AC; B: EB MB; C: FR - pc5: A: LU.

TABLE 2a BAYS AND PULSATIONS 1965 - continued

(APRIL)

30d 02h 09m (05-13) bp: C: BI HU - pi2; A: MB TW; B: HA CF SM.

30d 21h 39m (39) bp: B: CF; C: KV?.

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03d 14h 38m (35-42) b: B: OD - bp: C: BI - (si: A: KS).

05d 19h 25m (20-31) bs: B: KS - bp: B: KV? TF PE AE; C: TK EB TL - pi2: A: CM LG - (ssc: B: SO - si: MW).

05d 21h 24m (20-35) b: A: MC - bs: B: KS - bp: A: OD; B: VL KV? HB EB TL PE AE TI LU; C: TF - (si: A: TR).

06d 07h 26m (21-28) bp: C: VI PP - bps: B: AG; C: HU - pi2: A: TU AC; B: SI - pc4: A: TE.

06d 12h 23m (20-26) b: B: SR - bp: A: TO; B: PM GN DU; C: MT KA KY.

06d 22h 57m (54-59) bp: A: LU; B: EB MC BI; C: KV? MB - bps: B: LG HR - pi2: A: AC.

07d 09h 58m (58) b: B: TO - bps: B: AM.

07d 10h 47m (46-49) bp: B: LU - bps: B: BI.

07d 18h 33m (27-36) b: A: TN; B: SW - bs: B: BE KS - bp: A: TF; B: MA PR HB OD QU LU KG; C: WN TK EB - bps: B: HL - pi2: A: CM TI AC; B: HA IK BI; C: MT KA KY.

08d 01h 01m (54-06) bp: B: CF SM - pi2: A: MB LU AC; B: OD LG AQ IK CI PE BI; C: EB HU - (si: HL).

08d 07h 14m (00-25) b: C: PP - bp: C: VI - pi2: A: AC; C: HO - pc4: B: SI AM.

08d 08h 08m (08) bp: B: VI; C: PP.

08d 20h 00m (59-01) bp: B: GN - pi2: B: CF BI.

08d 20h 48m (48-49) bp: B: VL KV? CF - pi2: B: EB SM BI.

08d 22h 11m (11-12) bp: B: CF - bps: B: BI.

08d 22h 48m (45-52) bs: A: PR; B: WN VL - bp: B: MO.

08d 23h 28m (27-28) bps: C: BI - pi2: A: AC; B: MA.

08d 23h 57m (57) bps: B: CF BI.

09d 00h 43m (40-47) bp: B: AE BI.

09d 04h 32m (30-34) bp: C: HU - bps: A: AC.

09d 12h 44m (41-49) b: B: SR - bp: A: TO; B: PM; C: MT KA KY - pi2: C: HO BI.

09d 20h 22m (20-23) b: B: TN - bp: B: WN VL MA PR HB OD TF BI - bps: A: NU; B: DO HR - pi2: A: ES CM HA LG TI AC; B: WI CF AQ TK EB; C: FR MB - (ssc: A: TR - si: A: SO).

09d 20h 43m b: A: TN - bs: B: HL BE KS - bp: A: HA; B: CF AQ EB TL PE AE MC LU (35-49) - bps: B: FU LG - pi2: A: CM; B: WI QU MB - (ssc: SO MW).

09d 21h 28m (26-33) bp: B: KV? CI; C: BI - pi2: A: AC; B: MB; C: CM.

09d 23h 43m (40-45) bp: B: CF BI; C: EB.

10d 05h 56m (55-56) bp: C: PP - pi2: B: TU; C: HO.

10d 07h 47m (35-54) bp: B: AP; C: MT KA KY PP - pi2: B: TU; C: HO.

10d 10h 07m (05-12) b: B: SR - bp: C: MT KA KY.

10d 10h 52m (49-55) bp: B: IR - pi2: B: BI.

10d 20h 50m (41-63) b: A: PE; B: HL LU - bp: A: OD; B: WI VL HA PR HB EB TL AE BI; C: WN KV?

11d 21h 52m (49-53) bp: A: TC TN; B: CF BI; C: KV? EB - bps: B: LG - pi2: B: CM AQ MB AC.

12d 01h 58m (49-63) bp: B: CF - pi2: A: LG; B: ES EB PE MB BI HU AC TW.

TABLE 2a BAYS AND PULSATIONS 1965 - continued

(MAY)

12d 02h 26m	(24-27) bp: A: TW; B: TU - bps: A: AC - pi2: A: LG TE; B: MB.
12d 02h 45m	(40-48) b: B: MB - bps: A: HU; C: AG.
12d 22h 36m	(24-44) bp: B: CF; C: EB - pi2: A: AC; B: LG AQ BI; C: FR HU.
13d 08h 13m	(10-17) bp: B: PP - pi2: C: HO.
14d 19h 35m	(33-37) bp: B: CF - pi2: A: CM TI AC; B: AQ EB BI HU TN; C: HO - pc4: C: FR - (si: B: TR).
15d 21h 28m	(22-37) bp: B: VL; C: EB - pi2: B: AQ TE LU.
15d 21h 53m	(52-54) bp: B: CF - bps: B: MW.
15d 23h 30m	(28-31) bp: B: CF; C: EB - pi2: A: MB AC; C: CM AQ TF IK CI LU HU.
18d 03h 23m	(14-26) bp: B: HU TW; C: PP - bps: A: AC; C: AG - pi2: C: FR - pc4: A: TE.
18d 03h 39m	(38-40) bp: B: VL SM; C: EB - bps: C: MB.
19d 03h 50m	(49-50) bs: B: AG - pi2: A: AC; C: FR HU - pc4 + pc5: B: TW.
19d 08h 34m	(32-36) bp: C: PP - pi2: B: CO.
21d 03h 07m	(06-08) bps: C: BI - pc5: B: LU.
21d 17h 07m	(02-12) b: B: OD - bs: B: HL - bp: B: TC.
22d 13h 16m	(15-20) bp: B: TO AM - pi2: B: MT; C: KA KY HO.
22d 18h 59m	(54-80) b: B: SW - bs: B: NU - bp: A: TF; B: WN WI IR VL HA KV? MA DB PR CF HB OD IK EB TL QU; C: TK - bps: B: KG - pi2: A: CM BI; B: SO LG - (ssc: C: TC).
23d 07h 49m	(42-53) bp: A: AP; B: TU PP - bps: A: ME; B: VI - pi2: C: HO - pc4: A: TE.
23d 22h 14m	(10-20) bp: B: CF - pi2: A: MB; B: AQ SM; C: HO HU - pc4: B: CI - pc5: A: TE.
24d 19h 17m	(15-20) bp: B: BI - pi2: B: AQ; C: TK - pc5: A: LU.
24d 19h 49m	(46-54) b: A: SF SJ MC LU AC; B: HL OD HU; C: TK MB - bs: A: TC; B: KS - bp: B: IK TL AE; C: KV? TF PM.
24d 21h 10m	(08-12) bp: B: CF - bps: A: MW - pi2: B: ES AQ BI; C: EB.
26d 01h 20m	(17-23) bp: B: SM - pi2: A: MB AC TW; B: ST CF OD AQ IK; C: EB FR BI HU - pc4: A: LU.
28d 12h 23m	(22-23) bs: C: PM - bp: C: DU - pi2: C: MT KA KY.
28d 16h 55m	(55) bp: B: PM; C: KV?
31d 19h 08m	(06-10) b: B: BI - bp: C: TC.
31d 23h 18m	(18-19) bp: B: CF - pg: A: DB.

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01d 08h 12m	(06-20) b: C: PP - bps: B: CO - pi2: C: HO.
01d 15h 24m	(20-26) bp: C: TO - pi2: B: CO - (si: B: SM).
01d 16h 00m	(58-06) bp: B: PM - pi2: C: MT TF TK KA KY.
01d 21h 14m	(13-15) bp: B: BI; C: MC - pi2: B: AQ EB LU; C: CM.
01d 21h 44m	(40-49) b: A: PE - bp: A: TF TN; B: VL MA CF OD LG EB KG; C: WN HB TL - bps: B: HL BE - (si: A: TR).
02d 13h 27m	(23-36) bp: C: TO - bps: B: DU - pi2: A: AC; B: MT TF KA KY BI.
02d 16h 41m	(33-50) bp: B: OD; C: KV? TF - pi2: B: TK BI; C: MT KA KY.
03d 17h 24m	(20-26) bp: B: KG - pi2: C: MT KA KY.
03d 17h 42m	(30-46) bp: B: SO EB PM; C: TF BI - pi2: A: TK; B: ES CM - (si: B: TN).
03d 21h 37m	(33-46) b: B: TN - bp: B: MO ES HA MA DB CF HB EB CI TL PE AE BI; C: WN KG - bps: A: SO OD LG; B: DO LE VL MW - pi2: A: LU AC; B: CM AQ TF IK - (si: B: TR).
04d 10h 09m	(07-13) b: B: SR - bp: B: AQ GN DU; C: MT KA KY.

TABLE 2a BAYS AND PULSATIONS 1965 - continued

(JUNE)

04d 16h 59m	(55-01) bp: B: KG - pi2: C: MT KA KY.
04d 17h 13m	(0.-18) b: A: PE; B: SW - bp: A: OD TF; B: WN KV? MA PR HB TL; C: TK - bps: B: BE.
04d 17h 30m	(24-37) bp: A: WK; B: MO VL.
04d 21h 19m	(17-23) bs: A: NU; B: HL - bp: B: SO MO HA MA CF HB PE BI; C: WN KC? EB - bps: A: DO; B: ES VL OD LG MW - pi2: B: CM; C: MB -(ssc: A: TR).
04d 23h 39m	(21-52) bp: BI; C: EB - pi2: B: ES MA CF MB; C: CM TF FR.
06d 03h 44m	(37-46) bp: B: TW - bps: B: AG - pi2: A: AC; B: ES FR TU HU; C: MB BI - pc4: A: SJ - pc5: A: TE.
06d 10h 40m	(36-43) b: B: SR - bp: B: TO DU.
06d 18h 46m	(45-47) bp: B: OD TF.
06d 19h 04m	(59-13) bp: B: WI MA DB EB BI; C: WN KV? HB TK TN - bps: B: HL - pi2: B: QU.
08d 00h 45m	(42-48) bp: C: MC BI - pi2: B: ST OD; C: EB LU - pc4: A: TR AC.
08d 09h 48m	(45-50) bp: B: TO; C: DU - pi2: B: TU; C: HO.
08d 12h 45m	(45) bp: C: MT KA KY.
08d 13h 05m	(04-05) bp: B: PM AP GN AM - bps: B: TO DU.
08d 21h 22m	(20-23) bp: B: MA CF; C: KV? - pi2: A: AC; B: ES EB MB BI.
08d 21h 37m	(35-40) bp: B: IR - (ssc: B: TC).
08d 22h 50m	(48-53) bp: B: LE CF.
09d 06h 15m	(06-19) bp: B: HU - bps: A: AC; B: Ag - pi2: B: TU - (ssc: C: TF).
09d 20h 00m	(57-05) b: B: SW - bp: A: NU; B: SO WN VL BE KV? MA PR CF HB TF EB KG; C: TK TL BI - pi2: B: ES QU; C: MT - (si: A: TR).
14d 04h 13m	(10-17) bp: A: AC; B: HU TW - pi2: A: TE; B: BI - pc4: B: FR.
14d 05h 16m	(15-18) bp: B: TW - pi2: C: HU - pc4: A: AC; B: FR - pc5: A: TE.
14d 19h 55m	(45-58) bp: B: MA CF TK GN KG WK; C: EB - pi2: A: TI LU; B: CM BI; C: MT - (ssc: B: TR SO - si: B: LG TL AE; C: PP).
14d 20h 37m	(35-40) bp: B: CF WK; C: EB.
15d 10h 59m	(59) bp: B: KV? - (ssc: PR).
16d 06h 46m	(45-48) bp: B: IR; C: KV? - (si: PP).
16d 12h 25m	(25) bp: B: IR; C: KV?
16d 13h 10m	(10) bs: B: IR - bp: C: KV?
16d 20h 33m	(30-36) bp: B: IR - bps: A: WK.
17d 07h 13m	(05-18) b: A: TE - bp: B: TK PP; C: MT KA KY.
17d 16h 59m	(50-73) b: A: LM; B: BE - bp: B: IR HB OD MT TF KA KY DU - (ssc: BI?).
17d 22h 15m	(15) bps: B: MW - (si: B: TR).
17d 22h 51m	(47-56) b: A: SF MB LM - bp: A: LU; B: ES CF; C: AE - bps: A: BI.
18d 04h 29m	(26-32) bp: C: VI - pc4: A: TR.
18d 20h ..m	(. .) b: B: PP - bp: C: KV?
19d 06h 33m	(30-38) bp: C: VI - bps: B: AG - pi2: B: AC; C: HU.
20d 20h 33m	(33) bp: C: KV? - pi2: A: TF.
22d 00h 16m	(08-20) bp: B: IK CI; C: EB - pi2: B: ES MA AQ PE; C: MB - pc4: B: AC.
22d 00h 47m	(45-49) bp: B: CF - pi2: B: MB.
22d 22h 26m	(20-29) bp: B: CF; C: EB - pi2: A: TF; B: MA OD PE BI; C: CM.
23d 15h 22m	(19-27) bp: C: TF - pi2: B: MT KA KY; C: TK - pc4: B: QU AC.

TABLE 2a BAYS AND PULSATIONS 1965 - continued

(JUNE)

23d 23h 54m (48-59) bp: B: CF EB - pi2; A: LU AC TW; B: OD IK FR TU; C: MB - pc4; B: CI - pc5; A: TE.
 26d 18h 42m (42) bp: C: KV? - pi2; B: TK.
 27d 09h 35m (34-36) bp: B: AM - (si: PP).
 27d 13h 22m (22) bp: C: MT KA KY.
 28d 03h 54m (53-55) bp: C: HU - bps; B: AG.
 28d 05h 02m (57-05) bps: B: AG - pi2; A: AC; C: HU - pc4; B: TE.
 29d 21h 58m (53-65) b: C: AE - bp: B: WI VL MA CF HB TF EB TL BI; C: WN KV? - bps: B: LE ES BE - pi2; B: TK.
 30d 08h 05m (04-06) bp: C: AC - bps; B: VI - pi2; B: TU; C: HO.
 30d 09h 57m (55-58) bp: C: MT KA KY AP - pi2; C: HO.
 30d 20h 41m (36-43) b: B: SW AE - bp: B: WN WI VL HA HB EB TL BI.
 30d 21h 09m (05-11) b: A: MC - bp: B: MA CF EB LU - (ssc: B: TC).
 30d 23h 25m (19-27) b: B: SW MB - bs; A: SO KS; B: VL - bp; B: MO WI EB AE; C: WN KV? - bps: A: MA LG PE MC BI LU; C: LE HA HB - (si: A: OD).

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01d 07h 27m (24-32) b: C: PP - pi2; C: HO - (si: B: LG).
 01d 19h 59m (52-69) bs: A: KS; B: ES - bp: A: MC; B: MO WI HA KV? MA DB PR CF TF EB AE BI HR; C: HB - bps: B: LE WN LG TL - pi2; B: CM - (si: A: TR TC - sfe: TE).
 01d 21h 41m (37-50) bp: A: MC; B: CF BI; C: EB.
 01d 22h 15m (15) bp: C: KV? TL.
 02d 05h 41m (39-44) bp: C: PP - pi2; A: TW.
 02d 09h 12m (08-16) bp: B: AP - pc4; A: AC.
 02d 21h 14m (13-15) bp: C: KV? BI - pi2; B: TF.
 03d 01h 56m (51-60) b: C: HU - bp: A: AC; B: TF TW.
 03d 20h 03m (01-05) bp: A: TN; B: SO VL KV? PR CF HB OD EB BI KG; C: WN HR - pi2; A: ST NI CM TK; B: HA MA AQ PE LU GN; C: MT KA KY HO HU - pc4: A: AC.
 03d 20h 26m (14-35) bp: B: BE; C: TL MC TO - bps: B: MW - (si: A: TR).
 04d 18h 33m (33-34) b: C: TC - bp: B: PR.
 05d 17h 54m (54-55) bp: C: EB - pi2; B: TK.
 06d 17h 19m (18-20) bp: B: MO IR.
 07d 19h 45m (40-47) b: B: WN; C: HR - bp: B: PR KG.
 08d 02h 30m (15-43) b: A: AG SF SJ; B: ST WN SW NI BE MB LU - bs; A: ME FR; B: HL VL - bp: A: HR; B: CF EB CI TL AE BI HU KG; C: MT KA KY - bps: A: PR AC TW; B: LE LG.
 08d 17h 18m (17-20) bp: B: TO; C: MT KA KY WK.
 08d 18h 15m (06-25) bp: C: KV? EB - bps: B: MW - pi2: A: CM; B: BI - (si: A: SO; B: PR).
 08d 19h 20m (20) bp: B: IR; C: KV?
 08d 23h 00m (59-05) bp: B: CF HR - bps: B: VL; C: AG BI - pi2: B: MA EB MB.
 09d 02h 39m (33-45) b: A: SF TE LM; B: AE MB; C: PP - bp: A: ES MC BI LU HR; B: WN MA CF HB LG EB CI SM TI; C: HA MT KA KY - bps: A: PR TL; B: AG - pi2: B: AC.
 09d 03h 10m (09-12) bp: C: VI HU - bps: A: AC.
 10d 03h 20m (14-28) b: A: LM; B: HR - bp: B: VL - bps: B: ES - (si: A: TR).
 10d 03h 49m (45-55) bs: B: HL - bp: B: BI - pi2: C: TU.

TABLE 2a BAYS AND PULSATIONS 1965 - continued
(JULY)

10d 09h 08m	(59-20) bp: B: IR PM TO; C: MT KA KY.
10d 11h 52m	(50-53) bp: B: PM; C: MT KA KY - pc4: B: AC?
10d 12h 25m	(20-30) bps: B: IR - pc4: C: TF FR.
11d 05d 29m	(25-35) bps: C: AG - pi2: B: AC TW.
12d 00h 14m	(10-15) bp: B: CF - pi2: B: AQ MB AC - pc4: B: SM - pc5: B: CI LU.
12d 19h 48m	(45-53) bp: B: SO CF - bps: B: BI - pi2: B: C: CM NI MA EB-(si: B: TE PP).
13d 19h 24m	(18-29) bp: B: VL; C: KV? EB - pi2: C: TK - pc5: B: LU - (si: A: TR).
14d 05h 01m	(58-04) bps: C: AG - pc4: A: TW.
14d 15h 43m	(42-43) bp: B: PM; C: TO - pi2: C: MT KA KY.
14d 16h 31m	(30-32) bp: B: PM TO - bps: B: GN - pi2: B: OD MT TK KA KY.
14d 17h 18m	(18) bp: B: PM TO - bps: B: GN - pi2: B: MT TK KA KY.
14d 21h 25m	(18-30) bp: B: BI - pg: B: HL - pi2: B: ST LG EB.
14d 21h 53m	(42-60) bp: B: CF LG - pi2: B: AQ TF.
15d 06h 31m	(25-40) bp: C: VI PP - pi2: C: TU BI - pc4+pc5: B: TW.
15d 11h 27m	(21-36) bp: B: VI AP PP TO - pi2: C: HO.
15d 17h 54m	(52-56) bp: B: TK; C: EB - bps: B: KG - pi2: A: CM AC; C: MT KA KY BI.
15d 21h 48m	(48) bp: B: BI - pi2: B: OD.
15d 22h 23m	(22-23) bp: B: VL CF; C: KV? EB - pi2: A: AC; B: FR.
17d 10h 44m	(43-45) bp: B: VI; C: PP TO - bps: B: CO - pi2: B: FR; C: MT HO.
19d 09h 28m	(28) b: A: AC; C: MB?.
19d 15h 26m	(24-30) bp: B: MT TK KA KY PM GN - bps: B: TO.
20d 08h 34m	(33-36) bp: C: PP? - pi2: C: SI.
20d 15h 53m	(50-54) bp: B: PM; C: TO - pi2: B: MT KA KY; C: TK.
20d 16h 28m	(26-30) bp: B: PM TO - pi2: B: TK TI.
20d 20h 53m	(53-54) bp: B: CF - pi2: B: MB.
21d 01h 28m	(25-30) bp: C: HU - pi2: A: AC; B: LG EB MB; C: TU.
22d 23h 44m	(40-47) bp: B: VL MA CF CI MC; C: EB - pi2: A: LG MB AC; B: ES IK FR PE; C: CM.
23d 04h 32m	(29-35) bp: A: AC TW.
23d 17h 43m	(43) bp: C: KV? - pi2: B: TK.
23d 20h 46m	(39-55) bp: B: MA DB CF EB; C: TF.
23d 21h 12m	(07-14) b: A: PR PE; B: AE - bs: C: KS - bp: B: WN KV? LG EB TL KG.
24d 09h 50m	(50-51) b: B: PP? - bp: B: DU; C: MT KA KY - pc4: A: AC.
24d 13h 39m	(39) bp: B: TO - pc4: A: AC.
24d 18h 36m	(33-44) bp: B: MA PR OD; C: WN.
25d 01h 35m	(31-37) bp: B: ES MA CF CI SM; C: ST WN LG EB - bps: B: LE VL AG; C: LG TL AE - pi2: A: AC; B: AQ; C: CM MB - (si: B: PR; C: HR).
25d 07h 28m	(15-45) bps: C: VI - pi2: A: AC; B: PP TW; C: FR HO HU - pc4: B: TE.
27d 23h 05m	(04-07) bp: B: SO - pi2: A: ES; B: MA AQ EB MB.
28d 00h 00m	(00) bp: B: HA - pi2: A: MB.
28d 07h 05m	(00-10) bp: A: IR - (si: B: KG).
28d 19h 20m	(20) bp: B: IR; C: KV?
28d 21h 57m	(54-60) b: A: PE - bp: B: EB - (si: B: TR).
28d 22h 37m	(35-40) bp: B: CF EB - pi2: B: IK MB AC.
29d 05h 23m	(20-28) bp: A: TE - bps: B: AG; C: PP - pi2: B: FR TW.

TABLE 2a BAYS AND PULSATIONS 1965 - continued

(JULY)

- 29d 19h 01m (53-15) b: A: PE - bp: B: MO WN IR VL KV? PR OD; C: MA DB MB EB.
 30d 21h 13m (10-15) bp: A: NU TN; B: SO ST WN VL KV? PR FU CF HB IK EB; C: TK - bps: B: DO LE - pi2: A: NI CM LG; B: WI HA OD AQ PE - pc4: B: LU.
 30d 22h 19m (18-19) bp: B: EB - pi2: A: AC; B: LG.
 31d 19h 14m (13-15) bp: B: OD; C: KV? - pi2: B: TK.

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- 01d 03h 13m (06-17) bp: C: HU - pi2: A: AC; C: MB - pc5: B: TW.
 02d 15h 23m (22-26) bp: B: MT KA KY.
 02d 23h 37m (27-50) b: A: SF - bp: A: LG LM; B: ES VL BE HA MA DB PR FU CF IK EB CI TL AE TC BI LU HR; C: WN PE MB.
 03d 07h 45m (40-48) bp: C: PP - bps: B: CO - pi2: A: AC; B: TW.
 03d 11h 43m (40-45) bp: B: TO; C: PP - pi2: C: MT KA KY HO HU.
 03d 19h 40m (30-45) bp: B: WN BE MA PR HB OD EB TI - pi2: C: CM.
 04d 00h 31m (30-31) bp: B: SM - pi2: A: AC TW; B: FR; C: AG MB HU.
 04d 15h 35m (35-36) bp: B: OD; C: TK - pi2: C: MT KA KY - pc4: C: PP.
 04d 16h 20m (20) bp: B: IR; C: KV?
 04d 21h 13m (05-19) b: A: SF; B: TN - bs: B: HL KS - bp: A: NU PR IK CI LM; B: ST WN WI NI VL BE HA KV? MA DB CF AQ EB TL AE TI MC BI HR KG MW; C: TK PE - bps: A: OD LG; B: LE FU HB; C: CM - pi2: B: LU AC.
 05d 14h 45m (42-49) bp: B: PM GN TO - pi2: A: MT KA KY AC; B: NI CM AQ TK EB; C: GU.
 06d 13h 45m (44-45) bp: C: PM - bps: B: TO - pi2: C: MT KA KY GU.
 06d 18h 05m (00-10) bp: C: KV? - pi2: B: OD - pc4: C: PP.
 07d 06h 20m (15-29) bp: C: HU - pi2: A: AC; B: AG; C: HO - pc5: A: TE.
 07d 22h 03m (55-07) bp: A: MC; B: CF EB AE BI; C: KV? - pi2: A: LG; B: ES NI MA AQ TK IK PE LU AC; C: MB - pc4: B: CI.
 08d 01h 59m (54-63) bp: B: BI; C: EB - pi2: A: FR MB AC TW; B: MA CF AQ IK LU.
 08d 13h 25m (25-26) bp: C: TO - bps: B: DU.
 08d 17h 03m (03-04) bp: B: GN - pi2: B: TK; C: MT KA KY.
 08d 19h 32m (19-37) b: A: KS; B: SW - bp: A: MC; B: SO ST WN VL HA MA PR CF OD AQ IK EB CI BI LU - bps: A: LG; B: LE FU MW - pi2: B: NI CM TK PE TI; C: MT KA KY - pc4: C: PP? - (si: B: TR TN?).
 09d 17h 03m (00-05) bp: B: KG; C: KV? - pi2: C: MT KA KY.
 09d 19h 38m (25-50) b: A: IK CI PE SF KS; B: HL AE TN HR - bp: A: WN LM; B: WI NI VL BE HA MA PR HB OD AQ TK EB TL TI KG; C: CM - bps: B: LG.
 09d 20h 00m (00) bp: B: IR KV?
 09d 21h 48m (40-56) b: A: IK SF KS MC; B: HL TN HR - bp: A: CI LM; B: WI NI VL BE HA MA PR CF OD AQ EB TL PE AE BI LU KG; C: WN KV? HR - bps: A: LG; B: FU HB - pc4: C: FR.
 10d 14h 08m (06-12) bp: B: PM; C: MT KA KY - bps: A: TO; B: AM.
 11d 00h 30m (21-35) b: B: TN - bp: B: CF EB SM MC BI LU - bps: A: LG; B: ES - (ssc: C: KS).
 11d 23h 19m (11-33) bp: B: VL CI; C: KV? MC - pi2: B: ES ST NI MA CF AQ MB TW; C: CM EB - pc4: A: AC; B: LU.
 12d 03h 37m (25-41) bp: B: TW; C: HU - bps: B: AG - pi2: A: AC; B: FR; C: TU PP - pc4: A: TE.
 12d 05h 37m (27-40) bps: B: AG - pi2: A: AC TW; B: FR SJ; C: TU - pc4: A: TE.
 12d 14h 24m (22-26) bp: C: TO - pi2: C: MT KA KY HO - pc4: B: AC; C: PP.

TABLE 2a BAYS AND PULSATIONS - continued
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12d 22h 31m	(21-39) b: A: SF MC TN - bs; B: KS - bp; A: LG IK; B: ES VL MA CF AQ EB CI AE TI BI LU; C: WN HA PE HR - bps; B: FU OD MW - pi2; A: AC - (si: A: TR; C: LM).
14d 02h 30m	(29-31) bp; B: CF - pi2; B: PE - pc4; B: CI LU.
14d 20h 57m	(50-60) b: A: PE; B: TN - bs; B: HL - bp; A: LG; B: ES VL HA KV? MA CF OD AQ IK EB TI TC MC BI; C: WN - bps; B: SO-pi2; C: CM - (si: B: TR).
15d 18h 55m	(40-70) b: B: SW; C: PP - bp; B: SO NU MO WN VL MA CF HB GN TO KG; C: KV? EB - bps; B: DO PR - pi2; A: TK TN; B: KY; C: CM MT KA - (ssc; C: LM - si: B: TR).
15d 23h 26m	(20-30) bp; B: CF BI; C: EB - pi2; B: ST CM MA OD AQ PE MB; C: TK.
16d 02h 01m	(55-09) bp; B: CF SM - pi2; A: LG; B: ES AQ EB MB TW; C: CM FR - pc4; A: TR AC.
16d 23h 54m	(53-56) bps; B: BI - pi2; B: PE; C: EB MB.
17d 00h 18m	(16-20) bp; A: IK; B: CF; C: EB - pi2; A: AC; B: AQ; C: MB.
17d 03h 16m	(09-30) bps; B: AG; C: HU - pi2; A: AC TW; B: EB BI; C: FR-pc4; B: LU.
17d 11h 03m	(00-06) b: B: GN - bp; A: TE AC TO AM TW; B: VI PM DU - bps; A: AP PP; B: HO.
17d 17h 57m	(54-60) b: A: PE; B: SW - bp; A: NU MA; B: SO FU OD LG EB PM GN KG - pi2; A: TK; B: CM; C: MT KA KY PP.
17d 18h 19m	(18-20) bp; C: WN KV? - pi2; B: NI TK.
18d 19h 25m	(25) bp; A: PR; B: WN.
18d 19h 48m	(48) bp; C: MT KA KY.
18d 20h 11m	(07-16) bs; B: IR - bp; B: KV? - (si: BE).
19d 05h 10m	(08-12) b: B: HU - bp; B: VL - bps; A: TE - (si: B: LM).
19d 05h 56m	(55-57) bp; A: LU; B: BI?
19d 14h 09m	(08-10) bp; B: DU; C: MT KA KY.
19d 16h 59m	(47-75) bp; A: TF; B: MO WN IR NI HA HB - bps; A: PR; B: VL - (ssc:B: TR? BI - si: B: LE; C: AE).
19d 18h 35m	(32-46) b: B: NI - bp; A: WK; B: MO HB; C: KV?
19d 20h 56m	(45-65) b: A: PE MC - bp; B: VL BI; C: KV? TF - pi2; B: EB - (si: A: SO).
19d 21h 19m	(17-20) b: A: SF - bp; B: WN HA PR EB.
20d 07h 35m	(24-36) bp; B: SJ HU - bps; A: AG; B: TE - pi2; A: AC; B: MT KA KY PP TW; C: FR TU - pc5; A: TR.
20d 08h 06m	(06-07) bp; C: AP - pi2; A: AC.
20d 12h 24m	(18-30) bp; B: IR DU; C: AP.
20d 17h 00m	(00) bp; C: KV? TF.
20d 22h 10m	(10-11) bp; A: HR; B: CF; C: EB - pi2; B: CM PE.
20d 22h 49m	(45-51) b: A: MB? - bp; A: ES WN MC; B: NI MA CF EB; C: PE - bps; A: PR BI; B: VL HA LG TL AE - pi2; A: AC; C: CM - (ssc: A: TC).
21d 00h 39m	(37-41) bp; A: MC; B: WN HA CF LG EB - bps; B: BI - pi2; A: AC.
21d 03h 41m	(40-42) b: B: HU - bp; A: TE.
21d 12h 16m	(15-17) bp; B: MT KA KY AM; C: AP DU.
22d 11h 35m	(34-36) bp; C: VI AP PP? TO AM - bps; A: CO.
22d 23h 09m	(08-10) bp; B: TL; C: KV? EB.
23d 19h 33m	(32-35) bs; B: BI - bp; A: MC - (ssc: C: TF).
23d 23h 35m	(30-38) b: B: AE - bs; B: ES - bp; A: HR; B: VL CF EB BI - bps; B: LE.
23d 23h 52m	(51-53) bp; A: MC; B: PE; C: TF - (si: B: TN).

TABLE 2a BAYS AND PULSATIONS - continued

(AUGUST)

- 24d 00h 11m (06-12) bp: B: WN; C: KV? - bps: B: AG - pi2: A: AC TW; C: PE.
 24d 06h 14m (10-16) bp: A: TE; B: PP - pi2: B: SI.
 24d 10h 02m (00-05) bp: C: IR - pi2: B: AM.
 24d 20h 59m (57-63) bs: B: HL - bp: A: IK; B: WI HA KV? CF EB PE LM; C: HR - bps: A: NU WN VL PR TI; B: LE BE MA FU TL AE KG - pi2: A: LG; B: CM; C: MT KA KY HU - (ssc: A: TR SO TF; B: SW HB AK TN; C: KS - si: B: ST).
 25d 01h 27m (27) bp: B: SM - pi2: B: EB AC.
 25d 02h 01m (00-04) b: A: MC; C: MB - bp: B: EB; C: KV?
 25d 15h 38m (34-43) bp: B: PM; C: MT KA KY - (si: A: LG; B: TF EB TL).
 25d 18h 34m (20-44) b: A: PE - bp: A: OD; B: VL MA HB KG; C: WN - bps: B: MO.
 25d 23h 10m (09-11) b: A: MC - bp: B: CF BI.
 26d 00h 47m (43-50) bp: B: WN PR TW; C: FR - pi2: A: AC; B: HA CF EB MB.
 26d 01h 19m (11-27) bp: A: CI; B: ES VL CF HB EB SM HR; C: WN MB - bps: B: BI - pi2: B: NI.
 26d 06h 00m (00-02) bp: C: VI PP? - pi2: A: TW - pc4: A: AC.
 26d 21h 08m (00-10) bp: A: NU OD TF; B: SO WN VL KV? MA PR FU CF HB AQ EB TI TN; C: TK MC - bps: A: LG - pi2: A: CM; B: ST NI PE MB; C: HU - pc4: A: LU; B: WI.
 27d 10h 31m (30-32) bp: B: PM TO.
 27d 20h 24m (22-27) b: B: TN - bp: A: OD TF LM; B: WN VL MA PR CF AQ EB MC HR; C: HA KV? TK PE - bps: A: LG; B: HB TI - pi2: C: CM.
 27d 21h 26m (26) bp: B: BI; C: KV?
 27d 23h 32m (26-35) bp: B: MA CF CI AE HR; C: AQ EB PE - bps: A: Lg; B: MC - pi2: B: OD; C: MB.
 29d 06h 20m (19-24) bp: A: ME; B: VI - pi2: B: HU - pc4: A: AC; C: FR.
 30d 01h 27m (20-40) b: A: TN; B: SW - bp: A: PR OD IK CI AE MC LU HR; B: HL ST WN WI NI VL BE HA MA DB FU CF AQ EB PE TI MB BI LM - bps: A: HB LG TL; B: LE ES AG; C: CM - pi2: A: AC; B: HU TW.
 30d 08h 01m (00-03) bp: C: PP - pi2: A: AC TW; C: HO.
 30d 18h 55m (53-56) bp: A: NU TF; B: SO KG; C: KV? - pi2: A: NI MA LG TK TE TN AC; B: MT AQ EB PE KA KY HU.
 30d 19h 58m (44-60) bs: A: SO - bp: B: CF - bps: A: NU LG; B: WN VL PR HB; C: KV? - pi2: A: TK TN AC; B: WI TI; C: MT KA KY - (ssc: B: TF).
 30d 20h 55m (55) bp: B: KV? - pi2: B: CF.
 30d 23h 49m (40-56) bp: B: WN VL PR OD AQ IK EB MC BI; C: KV? - pi2: A: AC; B: MB.
 31d 04h 04m (00-07) bps: A: AC - pi2: A: TW; C: MB HU.
 31d 04h 20m (20) bps: B: TW - pi2: C: FR.
 31d 07h 59m (59) bp: C: VI - pc4: C: PP?
 31d 11h 22m (20-30) bp: B: PM DU; C: MT KA KY - pi2: C: HU.
 31d 22h 00m (55-08) bp: C: KV? TF - pi2: A: AC TW; B: OD EB; C: MB.
 31d 23h 15m (15) bp: B: TF; C: KV?

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- 01d 18h 35m (35) bp: C: IR KV?
 01d 19h 05m (05) bp: B: KV?; C: IR.
 01d 19h 29m (25-30) bp: B: WN MA PR CF EB; C: BI - bps: B: SO - pi2: A: TK; B: NI CM LG; C: MT KA KY.

TABLE 2a BAYS AND PULSATIONS - continued
(SEPTEMBER)

01d 20h 19m	(19) bp: B: KV? - pi2: A: LG.
02d 00h 47m	(45-50) bp: B: EB - pi2: B: LG AQ MB; C: MC HU - pc4: B: PP.
02d 01h 07m	(05-09) bp: B: CF IK MC BI LU; C: PE.
02d 11h 27m	(25-30) bp: A: TE AP; B: TO; C: VI PM PP DU - bps: B: AM - pi2: A: AC; C: MT KA KY HO - (ssc: A: CO).
02d 20h 20m	(15-22) bp: B: SO MA BI; C: EB - pi2: A: LG TK; B: NI CM HA AQ TF - pc5: B: LU - (si: A: TR).
02d 21h 36m	(32-45) bp: B: SO VL HA KV? CF EB PE; C: ES - bps: B: LG - pi2: A: TF; B: NI AQ TI - pc5: B: LU.
03d 22h 10m	(05-15) bp: B: BI - (ssc: C: LG).
03d 23h 15m	(07-24) bp: B: MA CF SM; C: KV? - bps: B: WN VL PR FU - pi2: A: NI LG CI TE SJ MB MC LU AC; B: ES CM AQ IK EB PE.
03d 23h 57m	(54-60) bp: B: MW; C: KV? - pi2: C: MB.
04d 12h 52m	(50-60) bp: C: MT KA KY - (si: B: IR).
04d 19h 02m	(58-04) b: B: KV? - bp: B: WN MA PR CF TK EB - (ssc: B: SO).
04d 19h 18m	(15-21) b: A: PE - bp: B: MO KG - (si: A: SO).
04d 22h 40m	(35-46) bp: B: CF - pi2: B: ES MA EB PE.
04d 23h 26m	(22-29) bp: B: CF MC BI - pi2: B: NI IK PE; C: MB.
05d 12h 37m	(30-40) bp: C: MT KA KY PM - pi2: A: AC; C: HO - (si: C: PP).
05d 21h 25m	(25-26) bp: B: VL - pi2: B: EB PE; C: MB.
06d 00h 04m	(00-08) b: C: MB - bp: B: SM.
06d 15h 01m	(00-05) bp: B: MT KA KY TO; C: PM - bps: A: GN - (ssc: B: IR).
06d 15h 21m	(18-24) b: B: SW - (si: B: LG).
06d 16h 39m	(39) bp: B: KV?; C: TF.
06d 18h 15m	(15-16) bp: B: MA - (si: A: TE).
06d 20h 19m	(10-24) b: A: PE; B: HL - bp: A: WN OD; B: SO NI VL HA BE KV? PR FU LG TF EB TI.
07d 14h 36m	(30-41) bp: B: TO; C: PM - pi2: B: CM MT TK KA KY - pc4: A: AC.
07d 15h 29m	(28-35) b: A: AK - bp: B: IR MA TK - pi2: A: MT KA KY.
07d 21h 45m	(40-47) bp: A: SO; B: WN VL HA MA PR CF EB BI MW; C: MC - bps: B: LG - pi2: A: ST TF; B: ES NI CM OD AQ PE MB; C: HU.
09d 02h 07m	(05-09) bp: B: SM BI; C: EB - pi2: A: TR TW; B: MB - pc5: A: LU.
09d 21h 09m	(00-12) bp: B: TN; C: KV? TF MC - bps: B: LG - pi2: B: NI OD AQ EB BI; C: CM - pc5: B: LU - (ssc: B: SO MW).
10d 20h 00m	(00) bp: C: KV? - pi2: C: TF.
11d 23h 19m	(15-23) bp: B: CF SM BI; C: EB - pi2: A: LG CI MB MC LU AC; B: ES AQ TF IK PE.
12d 02h 30m	(18-41) bp: A: SJ; B: VL CF EB MB BI HR TW; C: KV? AE - bps: C: AG - pi2: A: AC; B: TW - (si: B: TO).
12d 23h 47m	(37-70) b: A: SU SF; B: SW TN - bs: A: SO; B: AG - bp: A: ST IK EB CI PE MB MC LM; B: MO ES WI NI BE KV? MA CF AQ HR KG - bps: A: DO NU VL DB PR OD LG TL AE BI; B: LE HL WN HA FU TI MW - pi2: A: AC; B: CM - (si: A: TC; B: TR).
13d 22h 53m	(50-57) bp: C: TC - pi2: B: OD EB BI LU - pc4: A: AC; B: TW.
14d 11h 40m	(39-42) bs: B: CO - bp: B: AP; C: PP? - bps: C: AM - pi2: C: MB KA - pc4: A: AC.
14d 21h 41m	(39-42) bps: C: BI - pc4: A: AC - (si: C: MC).
15d 17h 25m	(25) bp: C: MT KA KY.

TABLE 2a BAYS AND PULSATIONS 1965 - continued
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15d 17h 41m (39-43) bp: B: WN CF; C: TF.
 15d 20h 33m (31-36) bp: C: KV? TF - (ssc: A: SO - si: C: PP).
 16d 08h 52m (50-55) b: C: IR - pi2: A: ME.
 16d 11h 51m (45-57) b: A: KV?; B: SR - bp: A: TO; B: MT TF KA KY.
 16d 18h 02m (51-10) bp: A: VL; B: KV? CF EB PE; C: ES MT KA KY - bps: A:NU MO PR TF TI; B: WN IR NI - (ssc: A: SO - si: A: TR OD TK).
 16d 18h 55m (50-60) bp: C: KV? EB - pi2: B: CF.
 17d 05h 23m (18-25) bp: B: PP - bps: A: TE - pi2: A: AC; B: FR; C: TU HO.
 17d 12h 08m (08) bp: C: MT KA KY.
 17d 15h 12m (09-20) b: B: SR - bp: B: IR - bps: C: MT KA KY.
 17d 19h 36m (36) b: B: NU - (ssc: B: SO).
 17d 20h 23m (17-26) b: A: CI PE; B: HL - bp: A: TL AE LU; B: WN HA KV? MA PR CF TI MC - bps: B: MO LG - pi2: A: CM.
 18d 18h 27m (21-30) bp: C: WN - pi2: C: CM - pc5: C: PP? - (ssc: B: SO).
 18d 18h 52m (50-54) bp: B: TF - pi2: A: CM.
 18d 19h 58m (56-60) b: A: MC - bp: C: KV? - pi2: B: MA.
 18d 20h 27m (26-28) b: A: PE - bp: B: EB - bps: B: HA.
 18d 20h 41m (40-42) bp: B: CF HR; C: KV? - pi2: C: CM - (ssc: B: TC).
 18d 21h 22m (19-24) b: A: PE MC - bp: A: PR TF IK; B: WN CF EB TL LU; C: KV? - bps: B: MO HA - pi2: B: NI.
 19d 06h 53m (49-55) bp: B: LU; C: MT - pi2: B: HO.
 19d 12h 19m (17-25) bp: C: MT KA KY - bps: A: GN; B: IR.
 19d 17h 49m (44-52) b: A: PE SF LU - bs: A: KS - bp: A: PR; B: NI MA CF EB TI AE LM; C: HR - bps: A: WN; B: MO TF TL - (si: A: SO).
 19d 20h 56m (56-57) bp: B: EB LU.
 20d 06h 40m (40-41) bps: B: VI - pi2: B: HO PP?; C: TU - pc4: B: TE.
 20d 22h 09m (07-12) bp: B: CF; C: EB PE.
 21d 18h 45m (40-49) b: B: TN? - bs: B: HL - bp: A: NU WN TF AK MC; B: SO LE ES WI VL HA MA FU CF LG AQ TK EB PE KG - bps: B: DO; C: TI - pi2: A: CM; B: NI - (si: A: TR; C: LM).
 21d 19h 42m (30-47) b: B: TN - bs: B: HL - bp: B: ES KV? CF; C: WN EB MC - bps: B: LG - pi2: B: NI AQ TK; C: CM.
 21d 20h 35m (32-40) b: B: TN? - bs: A: SF; B: HL - bp: A: NU IK CI LU; B: SO WN WI HA MA PR CF AQ TK AE; C: KV? PE MB HR - bps: A: OD LG; B: LE VL FU EB TL MC; C: TI - pi2: B: NI - (si: C: LM).
 21d 21h 29m (23-34) b: A: PE SF; B: HL TN? - bp: A: OD; B: ES WI VL LG EB CI; C: WN TI MC.
 21d 22h 08m (08) bp: C: KV? - pc4: B: NI.
 22d 07h 16m (13-23) bp: C: DU - pi2: B: AC TO; C: HO.
 22d 07h 36m (36) b: B: SR - bp: B: AP TO.
 22d 23h 00m (52-06) bp: B: MA CF - pi2: A: NI LG MB MC; B: ES NI OD AQ TF TK IK EB CI TL TN; C: FR - pc4: B: TR LU.
 23d 16h 02m (00-09) bp: B: MO WN MA PR OD KG; C: KV? - (si: B: LG).
 23d 23h 28m (25-33) bp: B: CF - pi2: B: AQ EB - (si: B: LG).
 24d 04h 41m (37-43) bps: B: AG; C: HU - pi2: A: SI FR AC.
 24d 11h 16m (15-18) bp: B: VL - (si: B: LU).
 24d 20h 45m (37-37) bs: B: NU - bp: B: ES MA PR CF OD IK EB - bps: A: LG; B: WN - pi2: A: MC TW; B: ES CM AQ TK HO MB.

TABLE 2a BAYS AND PULSATIONS 1965 - continued
(SEPTEMBER)

24d 21h 07m	(58-10) bp: B; SO HA PE SM - bps; C: WN - pi2; A: NI; B: TI - (si: C: DB).
25d 00h 20m	(20-21) bp: B; HR - pi2; B: EB.
25d 16h 35m	(35) bp: B; VL; C: WN.
25d 21h 15m	(12-20) b: A: SF; B: SW TN - bs; B: KS - bp; A: NU OD IK AK; B: SO WN NI BE HA MA DB PR CF AQ TF EB PE TI MC; C: HR - bps; A: LG; B: LE ES VL FU - pi2; B: CM - (si: B: TR).
26d 03h 01m	(54-16) bp: A: SJ; B: MC AC; C: HR - bps; B: HU TW - pi2; C: MB.
26d 12h 30m	(30) bp: C: MT KA KY.
26d 13h 30m	(30) bp: C: KV? - bps; B: IR.
26d 18h 25m	(25-26) bp: A: NU; B: SO - pi2; C: CM.
26d 23h 01m	(27-05) bp: B: CF; C: KV? - pi2; B: NI LG EB - (ssc: B: SO).
26d 23h 19m	(14-27) bp: B: KG - bps; B: VL - pi2; B: LG.
27d 21h 00m	(00) b: C: IR - bp: C: KV?
27d 22h 06m	(02-10) bp: B: CF - pi2; B: MA; C: KV? - (si: A: OD; B: LG).
27d 22h 24m	(23-26) bp: B: HA EB - (si: C: LM).
27d 23h 48m	(48-49) bp: C: KV? - bps; B: CF - pi2; B: MA.
28d 00h 07m	(04-09) bs: A: IK - bp: A: HR; B: HA PR EB; C: KV? - bps: A: VL; B: WN TL AE - (si: A: OD LG; C: LM).
28d 05h 02m	(59-05) bp: A: TE - bps; A: AG.
28d 08h 34m	(34) bp: C: MT KA KY.
28d 12h 16m	(00-26) b: B: SR - bp: A: MT KA KY PM GN TO; B: IR; C: TF.
28d 13h 00m	(00) bp: C: IR KV?
28d 19h 33m	(25-40) bp: B: WN PR CF MT KA KY KG - pi2; B: NI MA EB; C: CM - (ssc: B: SO - si: B: TR).
28d 19h 55m	(55-56) bp: B: HA; C: ES.
28d 20h 04m	(00-11) b: B: IR AK AE - bp: B: KV? TL - bps: A: MO.
29d 07h 57m	(54-60) b: B: SR - bp: B: PM TO; C: MT KA KY - bps: A: VI AP AM-pi2; A: HO - (si: C: PP).
29d 10h 57m	(56-57) bp: C: PM - pi2; C: MT KA KY.
29d 15h 16m	(15-16) bp: B: MA PR; C: WN KA KY - pi2; C: MB - (ssc: B: SO).
29d 15h 37m	(37) bp: C: KV? - pi2; B: LG.
29d 19h 05m	(05) bp: C: KV? EB.
29d 22h 43m	(24-54) b: A: SF; B: TN - bp: A: NU OD MC LU; B: SO MO ES HA MA PR FU CF LG AQ IK EB TL SM HR; C: WN TI TC MB LM - bps: B: AE.
30d 03h 17m	(12-22) bp: B: SM - pc4; B: TE.

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02d 00h 39m	(29-46) b: B: SW - bp: A: SO NU; B: LE ST VL MA DB PR CF OD AQ EB CI MC LU - bps; B: FU LG - pi2; B: ES PE MB; C: FR HU - pi2+pc4; A: TW - (ssc: B: TR).
02d 04h 47m	(44-50) bp: A: SJ TW; B: HR - bps; B: AG HU.
02d 14h 51m	(48-59) bp: A: SO - bp: A: NU GN; B: MT KA KY PM TO - bps: B: TK.
02d 15h 25m	(25) bp: C: KV? - bps: B: IR.
02d 20h 51m	(44-60) b: A: PE SF; B: HL SW; C: IR - bs; A: KS - bp; A: MO AQ TL; B: ES ST WI BE HA CF TK EB TI HR; C: KV? - bps: A: NU MA PR; B: WN VL FU LG TF AE - (ssc: A: SO).
02d 21h 32m	(30-35) b: A: SU - bp: A: TC; B: SM.
03d 17h 40m	(32-42) bp: B: NU - pi2; A: MA TK TW; B: ES CM OD MT AQ EB TI KY TN HU; C: HO PP.

TABLE 2a BAYS AND PULSATIONS 1965 - continued
(OCTOBER)

03d 22h 05m	(02-10) bp: B: MW - pi2: B: MA OD LG AQ EB MB TN; C: CM.
05d 13h 09m	(04-10) bp: B: TO; C: DU - pi2: B: MT KA KY GU BI; C: HO - pc4: C: SI - (si: B: LG).
08d 19h 10m	(00-20) bp: A: NU; B: OD; C: EB - pi2: B: AQ; C: CM MT KA KY - pc4: A: TF TK LU.
08d 19h 37m	(36-39) bp: B: WN MA CF MW - bps: B: PR - pi2: B: LG - (ssc: B: SO).
08d 22h 01m	(50-08) bs: A: KS - bp: B: HL VL CF EB TL; C: KV? - (si: TN).
09d 01h 09m	(06-13) bp: B: SM; C: EB - pi2: A: TW; B: MB.
09d 12h 19m	(14-20) bp: B: TO - pi2: A: CO; B: MT KA KY; C: HO HU - pc5: B: TE - pi2 + pc4: B: TW.
09d 19h 30m	(27-33) bp: B: NU; C: KV? - pi2: B: OD TF TK; C: HU.
10d 20h 20m	(18-22) bp: B: VL; C: KV? EB TN - pi2: A: LG; B: CM MA CF AQ TK SM MB - pc4: A: LU; B: CI.
12d 11h 27m	(25-30) b: B: IR - bp: B: PM AP TO DU; C: MT KA KY HO PP - bps: A: CO; B: VI AM.
12d 18h 52m	(50-53) bp: B: PR - pi2: B: TK EB BI.
12d 19h 26m	(20-30) b: B: SW - bp: B: VL EB; C: KV?
13d 00h 52m	(50-55) bp: C: BI - pi2: B: OD.
13d 01h 36m	(30-40) bp: B: SM; C: EB MC - pi2: A: TR; C: MB.
13d 17h 57m	(49-68) b: B: ES WN SW PR - bs: B: HL - bp: B: MO IR KV? OD TF EB AK - bps: C: TL.
14d 02h 00m	(55-04) bp: A: SJ - bps: C: HU - pi2: B: CF.
14d 10h 32m	(30-38) b: B: SR - bp: B: HO TO; C: MT KA KY PM - bps: A: CO AP AM; B: VI; C: PP - (ssc: C: TF - si: B: LU).
14d 22h 47m	(42-48) bp: B: VL HA; C: EB - bps: LG - pi2: B: ST MA AQ PE BI; C: CM.
14d 23h 08m	(08) bp: C: ES KV? - pi2: B: SM.
17d 12h 20m	(14-25) b: A: PE LU; B: TC - bp: B: VL - (sfe: BI - cr: PP?).
17d 23h 45m	(40-63) b: B: SW - bp: A: IK; B: HL WN HA KV? MA DB PR FU CF OD AQ EB CI TL PE AE MC BI LU HR; C: TC MB - bps: B: ES VL LG - pi2: B: ST CM FR TN - pi2+pc5: B: TW.
18d 00h 45m	(37-56) bp: A: IK LU; B: VL HA DB FU CF OD AQ EB CI TL PE SM AE MC BI; C: KV? MB - bps: B: LG - pi2: B: CM; C: HU - pi2+pc5: B: TW.
18d 02h 11m	(10-12) bps: B: BI - pi2: C: MB.
19d 10h 43m	(41-45) bp: C: DU - pi2: B: BI TO; C: MT KA KY HO.
19d 11h 46m	(45-52) bp: B: PM TO; C: MT KA KY - (si: B: MW).
20d 19h 08m	(07-10) bp: C: KV? - pi2: A: CM; B: TK.
20d 20h 01m	(57-04) bp: A: NU; B: SO LE VL MA CF; C: WN KV? EB - pi2: B: CM AQ TK IK PE TN HU - (si: A: TR).
21d 07h 25m	(24-27) bp: B: VI - pc4: A: TE.
22d 20h 57m	(56-59) bp: B: PR; C: KV? - pi2: B: BI.
23d 17h 05m	(04-07) bp: B: PR EB.
23d 19h 00m	(00) bp: B: EB; C: KV?
24d 00h 22m	(17-25) bs: B: FR - bp: A: TE; B: CF; C: EB - bps: C: HU - pi2: A: TW; B: MB BI - (ssc: A: SJ?).
24d 14h 31m	(30-35) bp: B: MT KA KY PM - bps: B: IR.
24d 17h 50m	(46-55) bp: A: NU; B: MO WN VL CF EB TL PE HR KG; C: TF - bps: A: PR; C: CM - pi2: C: MT KA KY.
24d 18h 53m	(53) bp: B: KV? BI.
24d 22h 26m	(25-26) bp: B: ES EB - pi2: C: MB.

TABLE 2a BAYS AND PULSATIONS 1965 - continued

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24d 23h 25m (25) bp: B: BI; C: KV?
 25d 09h 10m (07-12) bp: B: PM - pi2: B: TO; C: MT HO.
 25d 09h 42m (42) bp: C: MT KA KY.
 25d 10h 03m (00-07) b: B: SR - bps: B: TO.
 25d 14h 17m (14-29) b: A: IK - bs: B: ES - bp: B: MO IR VL KV? TK; C: MT TF KA KY.
 25d 22h 16m (15-19) bp: B: CF TF - bps: B: BI.
 26d 00h 20m (20) bp: B: BI - pi2: B: CF MB.
 26d 00h 56m (49-58) b: B: HU - bs: B: VL - bp: A: TC; B: MA CF EB SM AE HR TW - bps: A: ES; B: HA TL MB; C: WN.
 26d 01h 30m (30) b: B: HU - bp: C: KV?
 26d 20h 08m (00-17) bp: B: HL PR OD TF; C: KV? - pi2: B: PE BI - pc4: B: SI.
 26d 22h 40m (34-45) bps: B: BI - pi2: B: OD EB MB.
 26d 23h 15m (10-18) b: B: SW - bp: A: NU; B: SO VL MA DB FU CF AQ IK AE TC MC - bps: A: LG; B: DO ES WN EB HR; C: TL - pi2: A: TF; B: PE.
 27d 13h 43m (39-50) bp: B: TK KY PM GN TO; C: MT KA - pi2: B: HO GU; C: PP - pc4: B: SI?
 27d 22h 17m (05-21) b: B: SW - bs: B: HL - bp: A: IK; B: ST WI HA DB CF EB PE; C: KV? - bps: A: SO NU PR LG; B: DO ES VL MA FU AQ TL AE BI MW; C: WN - pi2: C: HO HU - (ssc: C: CM).
 27d 23h 07m (59-18) bp: B: VL EB; C: KV? - bps: B: LG - pi2: B: PE - (ssc: A: TR).
 27d 23h 41m (41-42) bp: B: CF - pi2: B: ES.
 28d 01h 32m (28-37) bp: B: VL; C: TC.
 28d 11h 01m (00-01) bp: B: BI - pi2: A: MT KA KY GU TO.
 28d 11h 19m (18-20) b: A: GN - bp: A: MT KA KY; B: TK PM - pi2: B: GU - (sfe: HU).
 28d 11h 36m (30-40) b: B: SR - bp: B: DU - bps: A: AP TO AM; B: HL IR - pi2: C: HO - (ssc: B: TF - sfe: BI).
 28d 18h 41m (39-42) b: A: PE - bp: B: WN PR CF BI; C: KV? EB - bps: A: SO NU.
 28d 20h 30m (20-36) bp: A: SO; B: VL CF; C: EB - pi2: A: LG PE; B: AQ IK MB BI HU.
 29d 16h 48m (48-50) bp: B: TF - pi2: B: GN; C: MT KA KY.
 29d 17h 26m (24-30) bp: B: IR - pi2: A: TK; B: TI.
 29d 18h 14m (12-18) bp: A: NU; C: KV? - bps: B: SO - pi2: C: MT TK KA KY.
 29d 21h 20m (13-25) b: B: SW - bs: A: NU SF - bp: B: MA CF EB SM AE MC; C: ST WN - bps: A: SO; B: DO LE ES VL DB PR BI LM HR - pi2: B: CM AQ PE MB; C: FR.
 30d 08h 51m (48-54) b: B: SR - bp: B: PP; C: VI HO - pi2: B: CM - pc4: B: ST.
 30d 18h 41m (35-47) b: B: AK - pi2: B: TF - (cr: C: PP).
 30d 19h 46m (38-55) b: A: IK PE SF; B: HL SW AE - bp: A: NU WN MA OD LG; B: LE WI VL BE HA DB FU CF TF TK EB SM TI BI LU LM HR - bps: B: PR TL; C: CM.
 31d 17h 13m (12-15) bp: B: MC BI.
 31d 17h 30m (27-33) b: B: SW - bp: B: WI VL MA FU CF TK IK EB PE; C: KV? - bps: A: NU; B: WN PR LG TF KG - pi2: A: CM; B: MT AQ KA KY - (ssc: B: SO).

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02d 01h 42m (40-45) b: B: HU - bp: A: LU; B: SM; C: HR - pi2: B: BI; C: MB.
 02d 15h 50m (36-67) b: A: PR PE AK; B: SW TN; C: WN - bs: A: KS; B: HL - bp: B: EB TI BI; C: TF - bps: B: TK; C: CM - (sfe: IR).
 02d 21h 11m (09-14) bp: B: VL LG - pi2: B: OD.

TABLE 2a BAYS AND PULSATIONS 1965 - continued
(NOVEMBER)

02d 21h 33m	(33-34) bp: B; BI; C: HA EB - pi2: C: ES.
03d 23h 50m	(47-52) bp: B; LG; C: EB BI - pi2: B: ST OD AQ IK MB TW; C: CM- pc5: A: LU; B: ES.
05d 02h 09m	(08-10) bs: B: LU; C: HU - (ssc: C: TN - si: B: LG SM).
05d 22h 16m	(12-25) b: B: WN - bp: A: PR; C: MT TL KA KY - bps: A: CM; B: LG.
05d 22h 52m	(52) bp: A: IR; B: KV?
06d 10h 06m	(05-06) bp: C: MT KA KY TO - pi2: B: TO.
06d 18h 19m	(16-24) b: B: SW - bp: B: IR MA PR; C: WN.
06d 23h 06m	(00-09) b: B: SW - bp: B: CF EB MC BI; C: WN KV? HR - bps: B: ES - pi2: A: TW; B: MA FR.
07d 09h 57m	(53-65) b:B: SR - bp: A: PM TO; C: VI - bps: A: AM; B: HO DU; C: MT KA KY PP - pi2: A: GN TW - (si: B: LG - sfe: IR).
07d 17h 11m	(11-12) b: B: SR - bp: C: MT KA KY.
07d 22h 40m	(39-41) bp: B: MA - pi2: B: ES OD LG AQ EB.
07d 23h 13m	(00-21) b: B: TC - bp: B: VL HA CF IK CI LU; C: AE MC BI-bps: B: EB; C: TL.
08d 15h 55m	(50-60) bp: B: HL OD.
08d 19h 47m	(41-50) b: B: SW - bs: B: SO - bp: A: NU; B: WN VL MA FU CF OD IK EB AE KG - bps: B: DO; C: TK TL - pi2: B: ES ST CM AQ PE BI TN; C: MT KA KY PP - (si: A: TR).
08d 20h 03m	(00-05) bs: A: SO; B: HL - bps: B: MW - pg: A: SF - pi2: B: CM TN.
08d 23h 52m	(43-62) bp: B: VL CF TF EB TL SM BI; C: MC - pi2: A: TW; B: MB.
09d 10h 49m	(42-60) bp: B: PM TO - bps: B: AM; C: AP KG - pi2: A: MT KA KY HO GU GN TW; B: TR TN BI; C: TU HU - pc4: A: ES; C: FR - (sfe: B: SR).
11d 16h 27m	(24-30) bp: B: SO OD GN.
11d 19h 32m	(28-35) b: A: MO; B: SW - bp: A: SO NU; B: DO WN IR VL KV? MA DB PR FU CF AQ TF IK EB PE TI; C: HA BI HR - bps: B: ES BE PR OD TK GN - pi2: B: ST; C: MT KA KY -(si: A: TR).
11d 20h 21m	(10-30) bp: A: SO; B: WN VL HA KV? MA DB CF OD PE AE TI MC; C: TL - bps: A: LG; B: ES HL PR FU AQ EB BI LU.
12d 21h 47m	(45-50) bp: B: BI - (ssc: C: GU).
12d 22h 04m	(03-05) bp: B: MA CF - pi2: C: ES EB - (si: B: LG).
13d 02h 42m	(31-47) bp: B: CI SM; C: EB MB - bps: B: VL - pi2: A: TE; B: BI; C: HU.
13d 18h 27m	(20-31) bps: B: BI - pi2: A: TE; C: MT KA KY.
13d 20h 41m	(33-56) b: A: CO? PE AK SF MB GN; B: SR SW DB - bp: A: NU MO WN PR OD AQ TF TI TC; B: LE ES ST WI BE HA MA FU MT EB CI SM KA KG; C: AE KY WK - bps: A: CM; B: VL LG TL.
13d 21h 20m	(20) b:A:SU - bp: A: IR.
14d 18h 09m	(06-11) bp: B: NU OD; C: EB - pi2: B: AQ PE; C: CM.
14d 23h 42m	(38-45) bp: B: MA - pi2: B: EB PE.
15d 00h 08m	(07-09) bp: B: CF; C: HA EB - pi2: B: AQ; C: CM.
15d 17h 24m	(23-25) bp: B: SO - pi2: B: OD; C: MT TK KA KY.
15d 18h 08m	(07-10) bp: B: NU MA.
17d 13h 26m	(25-35) bp: B: PM AP TO - bps: C: DU - pi2: A: GN; B: MT KA KY GU.
18d 02h 56m	(45-65) bp: A: TC; B: VL AG CI SM - pi2: C: HU.
18d 03h 22m	(18-25) bp: B: ME CF - pi2: A: MB; B: CM AQ IK EB PE AE-pc4:A:LU.
18d 21h 22m	(22) bp: C: BI - pi2: C: TF.
19d 07h 09m	(03-18) bp: C: PP - bps: B: AG - pi2: B: TO; C: TU HO - pc5: A: TE.
19d 16h 50m	(46-65) b: B: HL SW - bp: A: NU WN PR OD TF; B: HA KV? DB EB PE

TABLE 2a BAYS AND PULSATIONS 1965 - continued
(NOVEMBER)

	AE BI KG; C: MA TL TI - bps: A: SO - pi2: B: TK.
20d 00h 13m	(00-20) bp: A: PR LU; B: WN HA DB FU CF OD AQ EB CI PE SM AE TC MC BI; C: HR - bps: B: VL TL.
20d 09h 57m	(54-60) b: B: SR - pi2: A: SI.
20d 11h 54m	(53-57) b: B: SR - bp: B: MT KA KY.
20d 12h 34m	(30-38) bp: B: IR PM.
20d 16h 26m	(21-32) b: B: SW - bs: A: SO; B: HL - bp: A: PR; B: WN VL AQ EB PE TI; C: WK - bps: A: NU; B: TF TK.
20d 17h 16m	(12-20) bp: B: IR - pc5: C: FR.
20d 17h 45m	(40-48) bs: B: HL - bp: B: WI MA CF AQ EB PE HR - bps: A: IK; B: WN VL PR FU TF AE TI MC BI LM - (ssc: A: SO).
21d 14h 39m	(36-45) bp: B: BE OD TO; C: MT KA KY - bps: B: HL - pi2: A: CO.
22d 01h 35m	(34-36) bp: B: CF - pi2: A: TW; B: FR BL.
22d 11h 45m	(44-46) bp: B: TO; C: MT PM - bps: A: CO - pi2: B: HO GU PP - (sfe: SR).
22d 21h 43m	(36-45) bs: B: MW - bp: C: EB - pi2: A: TF; B: ES BI.
22d 22h 52m	(50-54) bp: C: KV? EB - pi2: B: AQ PE; C: CM.
23d 18h 43m	(42-45) bp: B: NU - pi2: B: TI.
23d 19h 02m	(02) bp: C: KV? - pi2: B: CF.
24d 18h 48m	(47-49) bs: B: SO - bp: B: NU; C: KV? - pi2: B: TK TW.
25d 19h 42m	(35-45) bp: B: FU; C: AE - pi2: A: TF; B: OD AQ TK TN; C: CM EB-(si: B: TR; C: LG).
27d 00h 21m	(19-24) bp: B: CF - pi2: B: BI; C: EB MB.
27d 17h 31m	(18-34) b: A: PE; B: ES SW; C: AK - bp: A: SO NU MO; B: ST WN VL BE HA MA FU CF OD MT LG AQ TF IK KG; C: KV? EB KA TI KY WK - bps: A: PR TK GN; B: HL; C: TL - pi2: B: CM TW - pc4: A: TE; B: SI? - pc5: A: LU.
28d 18h 05m	(00-10) bp: B: MA - pi2: B: TF.
28d 19h 53m	(51-55) bp: C: TF - pi2: B: AQ.
28d 20h 06m	(06) bp: C: KV? - pi2: B: EB.
30d 18h 15m	(09-20) b: A: PE; B: SR - bs: B: HL - bp: A: KV?; B: WN MA MT AE KA KY - bps: B: MO DB - (si: A: OD).
30d 23h 13m	(01-18) b: B: LU - bs: B: HL VL - bp: B: WN KV? EB - bps: B: PR.

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01d 13h 13m	(10-19) bp: B: MT KA KY; C: DU - pi2: C: HO.
01d 19h 09m	(07-10) bp: B: MA HR - (si: A: OD).
01d 19h 36m	(31-40) b: B: IR - bp: B: WN VL CF TF EB TL PE AE - bps: A: NU - pi2: B: CM BI.
01d 20h 06m	(02-10) bp: B: HA EB PE MC - bps: B: VL.
02d 01h 38m	(37-38) b: A: PE - bp: C: EB - (si: C: WN).
02d 03h 08m	(06-10) bp: A: TE - pi2: B: SI.
02d 17h 25m	(24-26) bp: A: OD; B: TK.
02d 17h 46m	(38-60) b: A: PE SF; B: HL IR SW - bp: A: WN PR SU; B: SO VL BE CM HA MA DB FU EB CI SM TI; C: KV? TL - bps: A: NU AE.
03d 21h 04m	(00-08) bp: A: NU OD; B: VL BE HA MA PR CF AQ EB MW; C: WN WI KV? - bps: B: HL - pi2: B: TK PE; C: CM.
04d 15h 59m	(55-65) b: B: SW; C: WN - bs: A: NU - bp: B: MO VL CF KG.
04d 20h 06m	(02-09) b: B: SW - bs: A: NU - bp: B: ST WN WI VL HA DB PR CF TF EB

TABLE 2a BAYS AND PULSATIONS 1965 - continued
(DECEMBER)

		CI PE TI BI; C: KV? TK - bps: A: OD; B: DO BE FU TL; C: AE - pi2; B: CM CI; C: MT KA KY.
05d	23h 41m	(39-43) bp: B: MA CF; C: AE - pi2; B: AQ.
06d	20h 44m	(42-45) bp: B: CF - pi2; B: AQ PE TL.
09d	12h 41m	(35-54) b: A: IK; B: HL SW TK; C: WN - bp: B: MO VI OD MT KA KY PM TO DU - bps: B: TR - pi2; C: HO BI?
09d	21h 37m	(35-39) b: B: SW - pi2; B: OD.
09d	23h 00m	(58-02) bp: A: IK; B: MA CF LG TI; C: EB BI - pi2; B: AQ PE; C: TF.
10d	15h 48m	(45-50) bp: C: BI - pi2; B: TU - (si: B: ME).
10d	21h 40m	(35-50) b: A: SF; B: ES - bs; B: HL - bp: A: CI MC; B: MO WN HA MA PR CF AG LG EB TL PE SM BI HR - bps: B: VL DB FU-(ssc:A:TC-si:A:OD).
11d	04h 23m	(15-30) b: A: ME - bp: B: VI EB HU - pi2; B: TU.
11d	15h 05m	(00-15) bp: C: IR MT KA KY PM.
11d	17h 16m	(09-25) b: B: HL SW - bp: A: IK; B: MO CI; C: MT TF KA KY PM - (ssc: C: TC - si: A: OD).
12d	13h 52m	(47-58) bp: C: MT KA PM - pi2; C: KY.
12d	18h 29m	(24-31) b: B: TC - bs; A: SO NU; B: HL - bp: B: SW WI HA IR MA CF CI PE; C: CM KV? HR WK - bps: A: MO IK; B: LE ST WN VL PR FU LG TK EB TL AE TI BI LM GN KG; C: TL MC - pi2; C: PP - (si: A: OD ; B: ES BE).
13d	05h 54m	(53-55) b: B: HU - pi2; B: TW.
13d	14h 21m	(16-27) bp: B: OD TO; C: MT KA KY PM - pi2; B: HO AM.
14d	22h 54m	(53-55) b: B: HL - bp: B: VL MA AQ EB CI; C: WN HA TL - pi2; B: CF TN; C: CM.
16d	00h 37m	(30-40) bp: B: VL LG; C: EB - pi2; B: MA AQ; C: HU.
17d	15h 34m	(25-44) bp: B: IR; C: PM TO - bps: B: GN - pi2; C: MT KA KY BI - pc4; B: CO.
18d	16h 37m	(28-42) bp: B: IR MA CF TF - bps: A: NU MO IK; B: VL PR KG; C: WN - pi2: A: MT KA KY; B: GU - (si: A: OD; B: TK).
18d	19h 26m	(24-27) bp: A: TC; B: EB - bps: C: MT KA KY - (si: A: OD; B: TK).
18d	23h 56m	(55-57) bp: C: FR - bps: B: BI - pi2; B: MB TW.
19d	00h 12m	(04-40) b: A: SU SJ; B: HL SW - bs; A: SF; B: VL - bp: A: NU MO LG IK EB PE MC; B: ST WI HA IR AG TF CI SM LM; C: KV? MB - bps: A: MA PR OD AE TA MB HR; B: ES WN FU CF TL TC.
19d	17h 55m	(54-56) bp: A: NU - bps: B: GN; C: TK - pi2; C: MT KA KY - (ssc:A: SO).
19d	23h 34m	(30-38) bp: C: EB - bps: B: LG - pi2; B: OD.
20d	17h 56m	(45-63) b: A: NU; B: SW - bp: B: OD TF TI; C: WN TK EB - pi2; B: HB - (ssc: B: TR).
20d	18h 41m	(40-44) bs: B: HL - bp: A: NU; B: WN VL MA PR CF EB BI; C: PE-bps: A: TI; B: SO LG.
20d	21h 02m	(02-03) bp: B: LG; C: EB.
21d	15h 40m	(33-48) b: A: MO PE - bs: B: HL - bp: A: NU OD IK; B: SO VL MA CF LG TK EB BI TO; C: KV? MT KA KY PM - pi2; B: TF; C: ES CM.
22d	10h 59m	(54-63) bp: C: VI - pi2; B: SI; C: MT HO - pc4+pc5; B: PP.
22d	23h 14m	(10-20) bp: A: LU; B: HA MA CF OD LG AQ EB TA MC BI MW; C: PE AE - pi2; C: TF.
24d	21h 26m	(21-31) bp: A: TC - (si: A: LU).
24d	22h 28m	(18-34) b: A: SF; B: SW; C: MB - bs: A: NU - bp: A: MO; B: ES WN HA KV? FU CF EB PE - bps: B: VL MA LG TL BI - pi2; C: CM.
24d	23h 06m	(01-10) b: C: MB - bp: B: WN PR EB PE AE BI - bps: TI; B: MW.

TABLE 2a BAYS AND PULSATIONS 1965 - continued
 (DECEMBER)

25d 02h 44m (40-50) b: A: PE SF - bp: A: CI MB; B: HA PR LG EB TL SM SM BI LU;
 C: WN MC - bps: B: VL.

25d 16h 23m (19-28) b: A: PE; B: NU SW DB - bp: A: MO OD; B: HL TF EB TI; C: WN
 KV? MT.

25d 21h 35m (27-40) b: A: TA - pi2: B: CF OD AQ EB PE TI; C: CM.

26d 17h 23m (17-25) bs: B: WN - bp: B: MO MA PR AE; C: TL.

26d 21h 50m (34-70) b: A: SU SF; B: LU - bp: A: NU IK CI TC; B: ES HA MA CF EB
 PR HR; C: WN KV? - bps: A: AE; B: VL OD LG TL BI - pi2: C: CM.

27d 05h 29m (27-30) bp: A: SJ; B: HU - bps: B: AG - pi2: C: TU - pi2+pc4: B: TW.

27d 10h 18m (15-22) b: B: IR - (ssc: A: SF).

27d 23h 35m (30-40) bp: C: TL TC.

28d 13h 20m (20) bp: C: MT KA KY.

28d 16h 12m (07-22) bp: B: MA EB TL TC; C: WN MT TF KA KY

28d 21h 46m (35-50) bp: A: LU; B: CF EB PE TC TA BI; C: WN TL AE MC HR.

29d 16h 58m (33-69) b: A: PE SF; B: SW - bs: B: HL VL - bp: A: NU WN CM PR OD
 CI; B: LE MO WI BE DB CF IK EB TI; C: KV? MC HR KG -bps: B: FU
 LG TL AE BI - pi2: A: CM; B: MA.

29d 21h 53m (52-54) bp: B: CF; B: EB BI.

30d 04h 29m (27-30) bp: A: ME TE SJ; B: VI SM TW; C: EB - bps: B: AG HU - pi2:C:
 MB.

30d 19h 38m (36-40) bp: B: SO; C: EB - pi2: A: TF; B: AQ TI; C: CM BI.

31d 17h 48m (39-51) bp: A: NU; B: SO; C: EB - pi2: B: OD TK; C: MT KA KY.

31d 18h 44m (43-45) bp: C: KV? EB - pi2: B: TK TI.

TABLE 2b BAYS AND PULSATIONS 1965

Commencement of pulsational disturbances (pi2) not associated with bays.
 (See remarks at the head of Table 2a)

JANUARY

- 01d 00h 23m (15-30) B: TE - (pc4: C: FU - pc5: B: LU).
 01d 04h 28m (27-30) B: BI AC; C: HU.
 01d 12h 43m (38-46) B: MT KA KY GU BI TO - (pc5: B: LU).
 01d 22h 45m (45) B: FU PE BI - (si: B: LG).
 02d 08h 05m (00-10) C: TE HU.
 02d 09h 58m (55-65) B: FU GU BI TO; C: MT KA KY HU.
 03d 06h 21m (21) B: HU AC.
 03d 07h 44m (38-48) B: SI PP AC TO; C: HU.
 03d 09h 02m (55-10) B: TR; C: FU - (si: B: MW).
 03d 15h 04m (03-09) B: MT KA KY GU TO; C: TF.
 03d 15h 30m (30) B: FU TK.
 04d 22h 10m (09-12) B: OD; C: HA.
 04d 22h 29m (28-29) B: FU LG BI.
 04d 23h 18m (16-19) B: TF EB BI - (pc4: B: LG).
 05d 13h 07m (07) C: MT KA KY.
 05d 22h 19m (13-21) A: ES FU; B: ST MA OD AQ IK EB PE MB BI; C: HU - (pc4: B: LG - pc5: B: LU).
 05d 22h 40m (34-43) B: CF SM; C: CM - (pc4: B: LG - pc5: B: LU).
 05d 23h 00m (57-02) B: CF TN; C: TF - (pc4: B: LG - pc5: B: LU).
 05d 23h 16m (13-20) B: CM - (pc5: B: LU).
 06d 08h 14m (10-18) A: PP AM; B: HO BI TO; C: SI.
 07d 03h 10m (06-12) A: AC; B: BI LU; C: FR HU - (pc5: B: SM).
 07d 08h 23m (22-24) B: PP TO; C: TE.
 07d 13h 09m (09-10) B: MT KA KY BI; C: HO.
 07d 14h 19m (19) B: MT KA KY.
 10d 23h 33m (30-36) B: SR GU.
 11d 04h 50m (50) A: AC; C: HU.
 11d 18h 07m (00-10) B: TF BI; C: TK.
 11d 23h 58m (56-61) B: ST MA OD EB BI; C: FU - (pc4: B: LG).
 12d 00h 20m (20) B: MB; C: HU.
 13d 01h 12m (10-15) A: SJ; B: CF; C: BI.
 13d 02h 19m (18-20) A: AC; B: FR.
 13d 20h 03m (00-06) A: FU TF; B: CF; C: TK.
 14d 07h 43m (42-45) A: TE; B: TU; C: BI PP.
 14d 14h 10m (10) C: MT KA KY.
 15d 03h 22m (20-25) B: BI; C: FR.
 15d 03h 40m (36-45) B: SM; C: HU.
 15d 05h 43m (39-50) A: TE; B: TU; C: HU.
 16d 08h 35m (34-36) B: HO HU TO AM.
 17d 03h 59m (59-60) A: AC; B: BI.
 17d 09h 02m (00-03) B: TU; C: PP - (pc4: B: AC).
 17d 20h 13m (12-15) B: FU TF.
 18d 03h 55m (55-56) B: FR - (ssc: B: AG).

TABLE 2b BAYS AND PULSATIONS 1965 - continued
(JANUARY)

18d 17h 14m (12-17) B: TF QU.
 19d 19h 20m (19-21) B: OD; C: TF.
 23d 04h 15m (14-15) B: AC; C: HU.
 23d 06h 00m (00-01) B: AC; C: HU.
 23d 19h 10m (09-12) B: ES TF.
 24d 07h 46m (45-47) B: HO BI PP TO.
 24d 12h 31m (30-33) A: AC; C: BI.
 24d 12h 51m (50-51) B: TO; C: MT KA KY.
 24d 15h 35m (34-36) A: AC; B: OD GN; C: MT KA KY.
 25d 01h 46m (42-50) B: EB BI; C: HU.
 25d 02h 33m (30-37) B: BI - (pc4: B: AM).
 25d 14h 42m (40-45) B: BI - (pc4: C: FR).
 25d 16h 13m (10-17) A: AC; B: TK; C: MT KA KY.
 25d 17h 55m (48-60) B: BI; C: TK - (pc4: B: TR).
 25d 22h 19m (18-20) B: OD EB BI.
 25d 22h 42m (37-47) A: FU TF; B: ST MA CF AQ PE - (pc4: B: TR LG; C: FR).
 26d 00h 05m (00-10) B: AQ PE - (pc4: B: CO?).
 27d 00h 01m (58-05) A: MB; B: SM; C: TF - (pc4: B: CI - pc5: A: LU).
 27d 04h 38m (34-40) C: FR HU - (pc4: A: AC).
 27d 18h 02m (00-05) B: TF KY.
 27d 20h 46m (45-48) B: OD TF.
 27d 21h 37m (35-40) B: BI LU.
 28d 00h 43m (42-45) C: HU - (pc4: C: TF).
 29d 00h 01m (00-02) B: OD BI.
 29d 01h 32m (27-35) B: MA BI; C: HU.
 29d 05h 38m (38) B: TR - (pc4: B: AC).
 29d 08h 43m (38-48) B: CO; C: PP - (pc4: B: LG).
 29d 09h 00m (00) B: TE; C: HU.
 30d 19h 26m (25-28) B: OD; C: TK.
 30d 22h 09m (06-10) B: FU AQ EB BI; C: CM HU - (pc4: B: LG - pc5: B: LU).
 30d 22h 56m (55-58) B: CF CI.
 31d 05h 55m (54-56) C: TE HU.
 31d 08h 41m (40-42) A: AC; B: HO BI TO; C: SI TE - (pc4: A: AM).
 31d 21h 59m (55-64) B: TF EB PE BI.

FEBRUARY

01d 23h 29m (29-30) B: OD; C: BI.
 01d 23h 58m (57-60) B: TR LG IK.
 02d 00h 56m (55-57) A: AC; B: TR EB PE BI; C: MB HU.
 02d 02h 43m (42-45) B: BI; C: MB HU - (pc4: A: AC).
 02d 06h 05m (03-08) B: AQ BI.
 02d 15h 02m (02-03) C: MT TK KA KY.
 02d 17h 00m (58-02) B: TI; C: TK BI - (pc4: C: LG).
 03d 16h 41m (40-43) B: TK - (pc4: C: BI).
 04d 23h 06m (00-10) A: LU; B: ES MA OD BI.

TABLE 2b BAYS AND PULSATIONS 1965 - continued
(FEBRUARY)

05d 14h 08m (07-10) A: AC; B: CO TO; C: MT TK KA KY HO.
 05d 15h 39m (35-50) A: AC; B: OD TO; C: TK - (sfe: HU).
 06d 06h 30m (30) C: TU HU.
 06d 12h 47m (45-51) B: BI; C: TE - (ssc: C: TO).
 06d 15h 01m (59-10) A: MT KA KY LU; B: HO GU AM - (pc5: B: SI).
 09d 15h 18m (18-19) A: SJ; B: LG.
 11d 00h 01m (00-01) B: PE; C: BI - (pc4: A: TR).
 11d 11h 55m (50-60) A: CO?; C: BI - (pc4: C: FR).
 12d 03h 19m (18-20) A: AC; C: FR HU.
 12d 06h 58m (56-60) A: AC; C: FR HU.
 12d 07h 39m (36-40) B: SI BI HU TO; C: TE.
 12d 16h 45m (43-48) B: OD QU.
 13d 00h 24m (20-27) B: OD AQ EB PE; C: BI - (pc4: B: LG).
 13d 01h 25m (25-26) B: SM; C: BI.
 13d 07h 50m (48-55) B: TU; C: SI HO TE BI - (pc5: C: FR).
 15d 08h 39m (39-40) A: CO; C: HU.
 15d 11h 28m (26-30) A: SJ - (pc4: A: LG).
 15d 12h 43m (42-43) C: MT KA KY - (si: B: HB? - pc4: B: LG).
 16d 03h 42m (38-47) A: AC; C: BI.
 16d 13h 52m (52) A: AC; B: GN; C: MT KA KY.
 16d 22h 10m (08-12) B: ES OD AQ EB PE BI - (pc4: B: LG).
 16d 22h 42m (39-44) B: CM MA TF IK TN; C: MB - (pc4: A: LG).
 17d 09h 22m (15-25) A: CO; B: TO; C: TE BI HU.
 17d 10h 35m (35) A: AC; B: HO.
 17d 20h 01m (56-10) B: TN; C: BI HU - (pc4: B: LG).
 17d 21h 50m (49-52) B: OD; C: BI HU - (pc4: B: LG).
 17d 22h 44m (43-45) B: BI - (pc4: B: LG).
 18d 01h 35m (34-35) A: AC; B: SM; C: FR.
 18d 03h 33m (28-37) C: TE HU - (pc4: C: PP).
 18d 05h 00m (00-01) B: TU; C: HU.
 18d 12h 02m (00-03) A: AC; B: BI PP GN; C: MT KA KY TE HU - (pc4: B: LG).
 19d 03h 48m (45-55) B: FR SM HU; C: TE - (pc4: A: SJ).
 19d 05h 02m (00-05) B: TU HU.
 20d 15h 19m (16-20) B: OD MT KA KY GN.
 20d 15h 37m (36-38) A: AC; B: TK.
 20d 16h 35m (31-37) A: TK; B: CM MT KA KY TN.
 20d 22h 05m (03-09) B: MA CF PE - (pc4: B: LG).
 21d 04h 21m (20-22) A: MB AC; B: SI BI.
 21d 14h 04m (00-10) B: BI - (pg: C: AG - pc4: C: FR).
 21d 15h 00m (00) B: TI; C: TF.
 22d 14h 31m (31) A: AC; B: MT KA KY.
 23d 00h 48m (47-50) B: BI - (pc5: B: LU).
 24d 10h 47m (45-50) C: HO BI.
 24d 13h 57m (57) C: MT KA KY.

TABLE 2b BAYS AND PULSATIONS 1965 - continued
(FEBRUARY)

25d 15h 31m (31) C: MT KA KY.
 25d 22h 07m (07) B: HA PE.
 26d 06h 09m (09-10) B: TU; C: HU.
 27d 01h 53m (53-54) A: AC; B: CF.
 27d 07h 40m (40-41) B: BI; C: HU.
 27d 08h 39m (36-40) B: TU TE BI; C: HO HU - (si: B: ME).
 27d 15h 35m (30-40) B: BI - (pc4: B: SI).
 27d 20h 40m (36-42) B: TF BI - (ssc: B: TR).

MARCH

01d 08h 01m (00-02) A: AC; C: TE PP.
 01d 12h 29m (24-35) A: MT LG KA KY; B: ES TE BI LU TO - (ssc: B: TR TC; C: TL).
 02d 10h 28m (24-30) B: LG BI - (ssc: BE).
 03d 16h 56m (56) C: MT KA KY.
 05d 12h 53m (51-60) C: MT KA KY - (pc5: A: TR).
 05d 17h 41m (36-43) B: MT TF KA KY GN.
 05d 22h 37m (36-39) B: ES OD AQ PE.
 06d 07h 03m (02-05) A: AC; C: FR HU.
 06d 11h 41m (40-43) A: CO - (pc4: A: AC).
 07d 06h 35m (35) B: TU - (ssc: C: AG).
 08d 07h 18m (16-21) A: AC; B: CO TU.
 08d 11h 56m (52-60) B: BI HU.
 08d 18h 59m (56-75) B: OD TF BI; C: TK - (pc4: B: QU).
 08d 20h 21m (19-22) B: HA MA CF AQ LU; C: TK HU.
 08d 21h 25m (25) B: AQ BI.
 09d 04h 59m (58-60) B: TE; C: FR HU - (pc4: A: AC).
 09d 08h 02m (00-04) A: AC; B: TU HO BI TO; C: PP.
 09d 21h 49m (45-54) C: TI - (ssc: A: TR).
 09d 23h 43m (41-45) B: AQ IK PE BI; C: CM.
 10d 08h 21m (20-23) B: BI; C: PP.
 10d 12h 25m (25) B: BI - (ssc: C: TC).
 11d 07h 09m (06-10) A: TU; B: TE; C: HO HU - (pc4: B: LU).
 11d 15h 12m (10-18) MT TK KA KY.
 11d 18h 20m (20-21) B: OD; C: TF.
 12d 16h 43m (42-46) A: AC; B: TO; C: MT KA KY - (pc5: B: CO?).
 14d 00h 45m (45-46) A: AC; B: BI.
 14d 01h 18m (12-22) B: AQ IK; C: HA - (pc5: A: LU; B: SM).
 14d 03h 38m (35-41) B: BI; C: FR - (ssc: C: AG).
 14d 08h 30m (29-31) A:AC; B: TU HO BI TO.
 15d 08h 25m (25-26) A: AC; C: FR HO.
 15d 10h 23m (22-25) B: SI - (cr: SW).
 15d 14h 17m (17) A: AC; C: MT KA KY.
 15d 17h 07m (07) C: MT KA KY.
 16d 11h 54m (54-55) A: CO; C: MT KA KY HU.
 16d 17h 10m (04-15) A: TR; C: TK BI.

TABLE 2b BAYS AND PULSATIONS 1965 - continued
(MARCH)

17d 04h 31m (30-32) pi2: C: FR TE - (pc5: A: AC).
 17d 05h 50m (49-50) B: SM BI HU.
 17d 09h 04m (01-05) B: CO ES BI; C: HU.
 17d 11h 54m (54-55) A: CO; B: BI HU - (pc4: A: AC).
 17d 14h 48m (47-51) B: MT KA KY GN; C: TK.
 17d 16h 16m (16-18) C: MT TK KA KY.
 18d 12h 03m (02-04) A: CO AC; B: BI; C: HU.
 18d 15h 25m (20-30) B: OD; C: TK - (pc4: B: QU).
 18d 17h 33m (30-35) B: CM AQ TK BI TN.
 19d 06h 13m (09-15) B: TU TE; C: HU.
 19d 06h 55m (55) B: TU; C: SI HO HU.
 19d 07h 47m (45-48) B: TU TE BI.
 19d 23h 55m (50-60) A: MB; B: AQ IK; C: FR.
 20d 00h 52m (50-55) A: MB; B: ES AQ BI; C: HU - (pc4: B: BI).
 20d 21h 04m (04-05) B: BI - (si: HL).
 21d 05h 37m (37-38) B: AC; C: HU.
 21d 07h 35m (28-44) B: BI PP AC; C: TE.
 22d 02h 00m (00) A: AC; C: BI.
 22d 12h 47m (45-50) B: BI TO - (pc4: A: TR).
 22d 16h 27m (23-32) A: LG TK AC; B: CM MA MT TF EB KA KY QU BI TO-(pc4:B:SI).
 24d 05h 50m (47-52) A: TE AC; B: FR.
 24d 17h 02m (00-05) B: BI - (pc5: C: SI).
 26d 01h 30m (30-31) A: AC; B: FR MB.
 26d 13h 22m (20-24) B: BI - (si: B: TC).
 26d 15h 33m (33) C: MT KA KY.
 28d 06h 56m (54-60) B: TU TE; C: SI HO PP.
 28d 16h 12m (10-13) B: MA OD TK BI; C: CM - (pc4: A: AC).
 29d 00h 04m (02-06) A: AC; B: BI.
 29d 01h 16m (10-20) B: CF MB BI; C: HU.
 29d 04h 35m (30-40) C: HU - (pc4: C: BI).
 29d 14h 23m (23) C: MT KA KY.
 29d 19h 14m (12-18) B: TF; C: TK - (pc4: B: QU).
 30d 11h 25m (24-26) B: CO; C: HU - (pc4: B: AC).
 30d 14h 09m (05-10) A: AC; B: BI GN; C: MT KA KY.
 30d 16h 41m (40-43) B: CM BI; C: TI.
 30d 17h 44m (42-48) B: CM BI; C: TF.
 30d 20h 22m (22-23) B: CM BI.
 31d 03h 30m (25-32) A: FR TE AC; B: SM TU HU - (ssc: C: AG - pc4: A: SJ; B: BI).
 31d 07h 33m (30-36) C: PP - (pc4: B: AC).
 31d 09h 00m (00) B: TR ? - (pc4: C: TF).

APRIL

01d 11h 55m (50-60) B: BI HU.
 02d 06h 34m (30-39) A: AC; B: ES.
 02d 23h 20m (10-30) B: AQ BI - (si: B: CO - pc5: A: TR).

TABLE 2b BAYS AND PULSATIONS 1965 - continued

(APRIL)

03d 01h 49m	(45-52)	B: AQ SM BI AC; C: HU.
03d 21h 41m	(39-43)	B: MA OD EB BI LU TN; C: CM HU.
03d 23h 04m	(01-07)	B: BI - (pc4: B: LU).
04d 01h 48m	(47-50)	A: MB AC TW; B: CF IK SM BI; C: EB.
04d 14h 29m	(29-30)	B: CO TO.
05d 04h 51m	(48-60)	A: AC; B: TU MB - (pg: HL - pc4: A: TW; B: TE BI).
05d 16h 30m	(30)	B: BI HU.
05d 19h 58m	(55-60)	B: OD AQ EB BI; C: TF - (pg: HL - pc5: B: LU).
05d 20h 31m	(30-32)	A: LG; C: CM.
05d 21h 34m	(33-35)	A: LG; B: MB; C: FR - (pc5: B: LU).
05d 22h 51m	(48-54)	A: LG; B: MB - (pc5: B: LU).
06d 13h 41m	(40-42)	C: MT KA KY - (pc5: B: TO).
07d 20h 42m	(38-45)	A: TF; B: ES CM MA OD AQ PE BI - (si: B: ES).
07d 23h 53m	(52-54)	A: AC; B: CF AQ MB.
08d 08h 51m	(48-55)	B: HO BI.
08d 16h 12m	(05-22)	B: CO TI GN; C: MT TK KA KY - (sfe: OD MB? BI).
08d 22h 25m	(25)	B: OD BI.
09d 15h 51m	(51-52)	B: TO; C: MT KA KY.
10d 03h 01m	(01)	A: AC; B: AG.
10d 03h 21m	(20-22)	A: TU MB TW; B: EB FR BI; C: HU.
10d 20h 24m	(23-25)	B: AQ BI; C: TK - (pc4: B: TR).
10d 21h 35m	(35)	B: AQ BI.
11d 07h 05m	(58-08)	B: ES; C: MT KA KY - (pc4: B: CI TE).
11d 17h 26m	(24-27)	B: MT TK KA KY.
11d 18h 05m	(00-10)	B: TF BI.
12d 17h 59m	(54-65)	A: QU; B: MA TK TI BI; C: TF.
13d 00h 21m	(16-29)	A: AC TW; B: ES OD EB FR PE BI.
13d 00h 55m	(50-60)	B: MA; C: MB.
13d 16h 04m	(03-05)	B: TF; C: TK.
13d 17h 46m	(40-50)	B: OD TF; C: TK HU.
13d 18h 25m	(24-26)	B: TK BI.
13d 19h 25m	(24-26)	B: BI; C: TK.
13d 23h 25m	(24-25)	B: ES EB PE MB BI.
14d 00h 35m	(33-37)	B: SM MB BI.
14d 03h 00m	(00)	C: HU - (pc4+pc5: A: TW).
14d 08h 45m	(45-46)	B: HO BI.
14d 21h 15m	(13-18)	A: ST; B: ES MC BI; C: FR - (pc5: B: LU).
15d 03h 19m	(18-20)	B: OD MB; C: HU - (pc4: A: AC; B: BI - pc4+pc5: A: TW).
15d 17h 04m	(00-06)	B: TF; C: MT TK KA KY.
16d 04h 10m	(07-15)	B: TU TE BI HU.
16d 04h 39m	(38-40)	A: AC TW; B: ES; C: FR.
16d 20h 02m	(00-05)	TF BI.
17d 14h 02m	(00-05)	A: MT KA KY; B: GU TO - (pg: A: TK - pc4: B: BI).
20d 02h 35m	(33-37)	A: AC; B: TW; C: FR - (pc4: B: TE).

TABLE 2b BAYS AND PULSATIONS 1965 - continued
(APRIL)

20d 20h 27m (27-28) B: OD BI.
 21d 02h 12m (09-20) A: AC TW; C: FR BI.
 23d 03h 52m (50-54) A: AC TW; C: FR HU - (pc4: B: BI).
 23d 23h 45m (42-54) B: ES LG AQ EB PE; C: MB - (pc4: B: BI).
 24d 00h 30m (27-34) B: LG AQ MB; C: FR.
 24d 01h 31m (28-35) A: AC; B: PE BI; C: MB - (si: HL).
 24d 01h 54m (52-56) A: TW; B: CF LG AQ MB.
 24d 12h 04m (01-06) B: LG; C: BI - (pc4: A: TE).
 24d 16h 30m (30) C: MT KA KY.
 24d 17h 05m (00-11) A: CM TF; B: TI QU.
 25d 02h 37m (25-40) C: FR HU - (pc4: A: AC).
 25d 13h 25m (25) C: MT KA KY.
 26d 08h 51m (46-53) B: SI TU HO; C: HU - (si: B: LG - pc4: B: LU; C: BI - pc5: A: TE).
 27d 01h 41m (39-45) B: AQ BI; C: HU - (pc4: B: CO AC - pc5: B: SM).
 27d 02h 42m (36-45) C: BI - (si: HL - pc4 + pc5: A: TW).
 27d 08h 15m (15) C: HU PP?
 27d 15h 25m (25) C: MT KA KY.
 28d 07h 24m (22-26) A: AC; B: HO; C: HU - (pc4: A: TE).
 28d 08h 23m (20-25) B: TU HO BI.
 29d 04h 20m (20) A: AC; C: FR HU.
 29d 18h 29m (22-31) A: CM; B: TI KS BI - (si: C: PP).
 30d 02h 58m (55-59) A: AC TW; B: TU MB HU; C: BI.
 30d 04h 15m (14-16) A: AC TW.
 30d 05h 54m (53-54) A: TW; B: BI; C: HU.
 30d 17h 59m (58-60) A: CM; B: OD LG TK TI BI.
 30d 19h 29m (25-30) B: LG BI; C: TF TK - (pc4: B: QU).
 30d 20h 55m (54-60) B: CM MA AQ TF EB BI.

MAY

01d 04h 58m (48-65) A: TE AC TW; B: TU BI HU PP; C: FR.
 01d 23h 11m (07-16) B: OD - (pc5: B: LU).
 02d 14h 54m (45-60) B: LG AQ SM - (pc4: C: BI - pc5: B: SI).
 02d 20h 12m (11-13) B: EB TC BI.
 02d 20h 48m (48) B: OD - (pc5: B: LU).
 02d 21h 03m (00-09) A: LG; B: AQ - (ssc: C: MW).
 02d 21h 23m (23-24) B: MB TN.
 02d 22h 09m (08-10) B: MB TI.
 03d 01h 09m (06-12) A: LG FR TE SJ MB AC TW; B: EB SM BI; B:HUPP-(pc5: B: LU).
 04d 02h 21m (21) B: AQ; C: HU - (pc4: A: AC? - pi2 + pc5: B: TW).
 04d 04h 30m (29-33) B: TU; C: HU - (pc5: A: TE).
 04d 16h 37m (37-38) B: TK - (pc4: B: QU).
 06d 21h 47m (46-47) B: ES ST BI.
 06d 23h 34m (33-35) A: AC; B: CF; C: MB.
 07d 03h 03m (00-05) A: AC TW; C: FR.
 07d 03h 29m (27-32) B: MB - (pc4: B: TE).

TABLE 2b BAYS AND PULSATIONS 1965 - continued
(MAY)

07d 14h 55m (55) C: MT KA KY.
 08d 02h 52m (48-60) A: AC; C: BI HU - (pc4: C: TF).
 10d 05h 40m (40-41) B: SI; C: PP.
 11d 08h 32m (30-35) C: SI HO.
 11d 15h 12m (03-25) A: TI QU AC; B: CM OD MT AQ TK KA KY BI GN.
 12d 21h 22m (20-27) B: ES CM OD LG AQ EB BI; C: TF.
 13d 08h 54m (50-57) A: CO AC; B: TU BI; C: SI.
 13d 16h 34m (30-37) B: TK; C: MT KA KY TO - (pc5: B: GN).
 13d 22h 06m (05-07) B: OD BI.
 13d 22h 32m (27-37) B: AQ IK.
 13d 23h 32m (30-34) B: AQ; C: TF.
 14d 11h 04m (04-05) C: HU TO.
 14d 18h 55m (54-56) A: OD TK; B: TF - (pc4: A: QU).
 15d 00h 26m (20-36) A: MB AC; B: ST CF AQ EB SM BI HU TW; C: HO - (ssc:A: TC
- pc4: B: TF CI).
 15d 17h 21m (20-21) A: TK; C: MT KA KY.
 15d 18h 18m (18) A: TI; B: TF.
 15d 20h 52m (50-60) A: OD LG MB; B: ES CF EB BI; C: TK HU - (pc4: FR - pc5: A:
LU).
 15d 22h 56m (55-58) B: PE MB.
 16d 05h 12m (09-15) A: TE; C: FR.
 16d 21h 30m (29-30) B: MA CF EB BI.
 17d 09h 24m (20-28) B: BI - (si: HL).
 19d 08h 19m (17-20) B: PP; C: HU - (pc5: A: TE).
 19d 08h 58m (51-60) A: CO; B: HO; C: SI - (pc5: B: LU).
 20d 03h 35m (34-38) A: TE AC; C: FR - (pi2+pc5: A: TW).
 20d 07h 41m (35-45) B: HO BI PP.
 20d 23h 19m (15-25) B: CF BI; C: EB FR - (pc4: B: CI).
 21d 20h 12m (11-12) B: OD BI; C: TF.
 22d 18h 14m (12-16) A: TI AC; B: ES TK GN; C: MT KA KY.
 23d 01h 06m (05-07) B: BI; C: MB.
 23d 15h 04m (04) C: MT KA KY.
 23d 21h 44m (40-46) A: LG TF; B: ST MA CF IK EB BI - (pc4: A: AC; B: PP; C: FR).
 24d 18h 14m (10-21) B: OD TK; C: TF.
 25d 13h 15m (12-16) C: MT KA KY - (pc4: B: AC).
 25d 14h 30m (30) B: TF TK.
 25d 15h 02m (02) C: MT KA KY.
 25d 16h 52m (50-54) A: CM QU AC; B: HA AQ TK EB BI; C: ES.
 25d 22h 40m (40-41) A: OD; C: FR.
 25d 22h 57m (55-60) A: AC; B: BI; C: MB - (pc5: A: LU).
 26d 14h 06m (05-10) B: TO; C: MT TK KA KY.
 26d 21h 40m (33-50) A: LU; B: CF TE BI.
 27d 03h 24m (24) A: AC TW.
 27d 04h 20m (20) B: PP; C: FR.
 27d 04h 58m (57-60) A: TE AC; B: TU MB HU; C: HO BI - (pc4: A: AC; C: FR).

TABLE 2b BAYS AND PULSATIONS 1965 - continued

(MAY)

- 28d 00h 29m (29-30) B: AQ AC.
 31d 04h 46m (37-55) C: FR HU - (pc4: A: AC).
 31d 22h 03m (00-06) A: ST EB AC; B: CM CF OD AQ BI TN - (pg: A: MB; B: HL - (pc4: A: LG - pc5: A: TR CI LU AC; B: ES).

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- 02d 01h 15m (15-16) A: AC; B: ES OD MB BI; C: EB.
 02d 02h 15m (15) B: MB - (pc5: B: LU).
 02d 04h 05m (02-08) B: BI; C: MB.
 02d 23h 45m (40-50) B: OD BI.
 03d 00h 50m (50) B: HU; C: FR MB.
 03d 01h 40m (39-40) A: MB AC; C: SM.
 03d 06h 24m (24-25) A: TE AC; C: HU - (pc4: PP).
 04d 07h 31m (29-34) A: TE AC; B: FR TU HO HU PP; C: SI - (ssc: AG - si: B: LG).
 04d 14h 01m (01) C: MT KA KY.
 05d 03h 25m (19-28) A: AC TW; C: PP.
 08d 10h 16m (16) B: ES; C: BI.
 09d 23h 40m (40-41) A: AC; B: BI.
 10d 22h 49m (48-50) B: BI; C: EB.
 11d 12h 02m (00-02) B: TU; C: MT KA KY HO.
 11d 12h 36m (32-40) B: AC; C: TO.
 11d 23h 48m (47-48) B: AC; C: FR - (pc4: C: ES).
 12d 05h 21m (18-24) A: AC - (pi2 + pc4: B: TW).
 12d 13h 05m (05-06) B: CO OD.
 12d 13h 56m (56) C: MT KA KY.
 13d 02h 10m (10-11) A: AC; B: BI.
 13d 09h 30m (29-30) B: FR BI TO; C: SI MT HO.
 14d 01h 48m (46-50) A: AC TW; B: EB FR MB BI; C: HU - (pc5: B: SM; C: LU).
 14d 09h 57m (55-60) B: BI; C: HO - (pc4: B: TE).
 14d 11h 39m (37-40) B: TU; C: HO - (pc4: B: TE).
 15d 03h 01m (00-03) A: AC; B: BI; C: HU - (pc4: B: TE).
 19d 06h 17m (15-20) A: TW; B: FR TU; C: PP - (pc4: B: TE AC).
 19d 23h 06m (05-07) B: AQ BI.
 20d 02h 02m (00-08) B: EB SM BI TW - (pc4: B: AC).
 20d 18h 31m (28-38) A: OD; B: AQ EB BI - (pc4: B: QU).
 20d 19h 30m (26-32) A: TI LU; B: MA AQ TK.
 20d 23h 05m (00-08) B: ES OD FR.
 20d 23h 26m (21-32) B: ST CF FB PE MB BI LU - (pc4: B: SM).
 21d 00h 01m (00-03) A: AC; B: MA MB.
 21d 15h 04m (04-05) B: CO TO; C: MT KA KY.
 21d 23h 51m (49-53) A: OD; B: BI LU; C: FR.
 22d 03h 26m (25-29) A: AG TW; B: ES FR BI; C: HU.
 22d 03h 45m (45-46) A: MB AC; B: EB TU.
 22d 10h 12m (10-14) B: MT KA KY BI C: FR - (pc4: B: SI).
 22d 10h 52m (50-53) A: AM; B: TU HO GU AC.

TABLE 2b BAYS AND PULSATIONS 1965 - continued

(JUNE)

23d 00h 46m (41-51) A: AC TW; B: OD EB FR PE BI; C: HU.
 23d 01h 05m (05-06) B: SM MB - (pc4: B: CI).
 24d 04h 55m (54-57) A: AC TW; C: FR.
 24d 10h 58m (57-60) A: CO - (pc4: PP).
 24d 19h 53m (45-57) A: TR TF TK; B: OD AQ BI; C: CM - (si: B: LG).
 25d 00h 42m (41-45) B: AQ AC; C: FR.
 25d 03h 31m (30-34) B: TE AC; C: HU.
 25d 14h 31m (24-34) C: MT KA KY - (ssc: B: TR).
 26d 17h 24m (21-27) A: TK AC; B: TF BI.
 26d 19h 39m (32-42) A: ES TF; B: TI BI - (si: PP).
 28d 00h 03m (00-05) A: AC; B: CF AQ PE - (pc4: B: PP).
 28d 13h 06m (06) C: MT KA KY.
 28d 19h 30m (30) A: OD; B: BI - (pc4: A: TR).
 29d 06h 56m (51-58) A: AC TW; B: FR MB; C: HU - (ssc: A: TR; B: ME - pc4: A: SJ).

JULY

01d 03h 36m (36) A: AC TW.
 01d 16h 38m (38) C: MT KA KY.
 03d 01h 29m (28-30) B: MA - (pc4: C: BI).
 03d 06h 16m (16) A: AC - (cr: PP?).
 04d 03h 57m (56-60) A: AC; B: TW - (pc4: B: BI).
 04d 22h 16m (15-18) B: NI OD EB BI; C: MB - (pc5: B: LU).
 05d 16h 50m (50) C: TO - (pc4: C: PP?).
 05d 22h 19m (19-20) B: BI - (ssc: B: MW).
 05d 23h 41m (40-42) B: IK BI; C: EB MB.
 07d 04h 01m (00-02) B: FR - (pc4: B: AC - pi2 + pc4: B: TW).
 07d 05h 12m (12-13) A: AC; C: TU - (pg: B: AG).
 07d 15h 09m (07-10) B: GN; C: MT KA KY.
 09d 01h 42m (38-48) B: TW; C: FR - (si: BE - pc4: A: AC).
 09d 15h 10m (10) C: MT KA KY.
 09d 23h 19m (17-20) A: AC; B: ES EB BI; C: MB.
 09d 23h 34m (30-38) A: AC; B: MB - (ssc: SW - si: B: HL PR).
 10d 00h 48m (48-49) A: AC - (si: C: PP?).
 10d 16h 13m (13) C: MT KA KY.
 11d 16h 19m (18-20) B: GN; C: TK.
 11d 17h 37m (36-39) B: TF; C: TK.
 11d 20h 47m (47) B: ST AQ EB.
 11d 22h 25m (23-26) B: AQ EB TI; C: MB - (pc5: B: LU).
 11d 23h 00m (00) B: TF - (pc4: B: CI).
 12d 07h 12m (10-15) B: BI - (pc5: B: TE).
 13d 18h 32m (28-36) B: TF TK BI.
 14d 00h 56m (53-62) A: ST FR MB TW; B: CF AQ IK EB BI; C: HU - (pc4: B: SM - pc5: A: AC; B: CI LU).
 15d 06h 12m (12) B: FR TE - (pc4: A: AC).
 16d 20h 45m (42-48) B: ST NI MA CF OD EB PE BI.

TABLE 2b BAYS AND PULSATIONS 1965 - continued

(JULY)

17d 09h 59m (59-60) B: SI EB PP; C: HO.
 18d 04h 48m (43-50) A: SJ TW; C: HU - (pc5: B: TE).
 19d 06h 25m (21-26) A: FR TE SJ AC; B: PP; C: TU HU.
 19d 06h 58m (55-62) A: AC - (ssc: A: ME).
 20d 00h 04m (00-07) A: AC; C: FR - (pc4: B: PP).
 20d 03h 03m (00-06) A: TR - (pc4: C: TF).
 20d 17h 12m (11-13) B: TK; C: MT KA KY.
 21d 01h 03m (00-05) A: FR TW; B: TE.
 22d 03h 38m (37-39) A: AC; B: TW.
 22d 06h 52m (48-56) A: CO - (pc4: A: AC).
 22d 21h 44m (40-48) A: TN; B: OD.
 23d 17h 06m (05-06) B: TK; C: MT KA KY
 24d 02h 41m (36-47) A: AC TW; B: FR MB; C: HU - (pc4: B: TE).
 24d 03h 39m (37-41) B: MA CF AQ EB PE MB; C: HU PP - (pc4: A: AC).
 24d 13h 13m (13) C: MT KA KY
 26d 03h 24m (10-35) A: AC TW; B: MA EB FR SM MB HU - (pc4: B: TE; C: PP).
 26d 04h 10m (06-17) B: SM HU - (pc4: A: AC).
 26d 16h 38m (36-39) B: MT; C: TK KA KY.
 27d 12h 14m (14-15) C: MT KA KY HO PP - (pc4: B: SI?).
 27d 18h 10m (09-10) A: TF; B: OD TK.
 27d 19h 31m (30-33) B: AQ - (ssc: B: TR).
 28d 02h 29m (27-31) B: EB TW.
 28d 03h 51m (45-55) A: AC; B: TW - (pc4: B: TE).
 28d 06h 11m (10-12) A: AC; B: PP?; C: TU.
 28d 18h 34m (34-36) B: TK; C: MT KA KY.
 29d 02h 59m (58-60) B: TW; C: FR.

AUGUST

01d 02h 37m (35-38) A: AC; C: MT HU - (pc5: B: TW).
 01d 18h 36m (34-38) B: OD TK TI.
 01d 21h 27m (25-29) B: ES MA OD LG EB.
 01d 21h 48m (40-53) B: CF AQ TK BI.
 02d 06h 18m (18-19) A: TE; B: PP - (pc4: A: AC).
 03d 06h 24m (24) B: CO; C: PP.
 03d 16h 20m (20) B: MT KA KY GN.
 03d 17h 03m (52-13) B: TK AC; C: EB - (cr: PP?).
 03d 19h 15m (15-16) B: LG EB.
 03d 23h 49m (48-51) B: OD EB.
 04d 12h 36m (35-36) B: CO MT KA KY HU TO.
 05d 03h 08m (02-12) B: TW; C: HR - (pc4: A: AC).
 05d 10h 10m (10-11) C: HO PP.
 05d 12h 33m (33-35) B: AC TO; C: MT KA KY HO HU.
 05d 17h 35m (33-36) B: OD GN; C: MT TK KA KY - (pc4: PP?).
 05d 18h 45m (45-46) A: NI CM; B: LG TK.
 05d 19h 31m (28-34) A: CM; B: NI BI; C: TK.

TABLE 2b BAYS AND PULSATIONS 1965
(AUGUST)

06d 02h 20m	(19-20) A: AC; B: FR TW; C: TU - (pc4: C: PP).
06d 03h 08m	(05-11) A: AC TW; B: OD EB TE.
06d 03h 34m	(30-40) B: BI; C: MB HU.
07d 01h 11m	(10-12) B: FR BI AC.
07d 02h 12m	(09-17) A: AC TW; B: SM TE; C: HU.
07d 07h 21m	(20-21) A: AC; C: HU - (pc5: A: TE).
07d 11h 28m	(27-30) A: CO; B: SI.
07d 13h 42m	(42) B: MT KA KY.
07d 23h 07m	(07-08) A: AC; B: MB.
08d 02h 53m	(50-54) A: MB AC; C: CF AQ; C: TU HU.
08d 03h 20m	(20-21) A: MB; C: HU - (pi2+pc4: A: AC).
08d 14h 24m	(17-32) C: MT KA KY - (si: HL - sfe: HU).
10d 03h 17m	(16-19) B: TW; C: FR - (pc4: A: AC).
10d 13h 38m	(38-40) B: MT KA KY; C: HO.
10d 22h 48m	(47-50) B: ES ST LG AQ EB; C: CM.
10d 23h 06m	(02-08) B: MA PE BI - (pc5: B: LU).
11d 04h 56m	(56-57) A: AC TW.
11d 18h 54m	(52-55) B: ES NI CM OD LG TK EB TI.
11d 23h 58m	(58-59) A: AC; C: MB.
12d 06h 00m	(59-01) A: AC; C: HU.
12d 15h 32m	(32) C: MT KA KY.
13d 02h 58m	(58-59) A: AC TW.
14d 01h 18m	(17-19) B: LG EB PE - (pc4: B: AC).
14d 03h 23m	(16-28) A: TE AC; B: PE PP; C: FR TU.
14d 11h 37m	(37) C: MT KA KY.
16d 21h 19m	(07-30) A: CM LG TK; B: CF AQ PE TI BI; C: EB - (si: A: PP ?; B: TR - pc4: A: LU).
18d 11h 11m	(10-12) B: HU PP; C: MT KA KY - (ssc: B: CO; C: WN - pc4: B: SI; C: HO).
20d 00h 15m	(14-16) A: AC; B: TW.
20d 11h 31m	(30-32) B: MT KA KY.
20d 14h 50m	(50-51) A: AC; B: WI.
22d 09h 37m	(37-38) B: CO; C: PP.
23d 19h 00m	(00) B: LG - (pc4: B: AM).
24d 04h 28m	(28) A: AC; C: PP.
24d 09h 10m	(09-10) B: MT KA KY; C: HO.
24d 22h 01m	(00-02) A: AC TW; C: MB.
25d 08h 01m	(00-02) A: AC; B: HO.
25d 22h 53m	(53) B: EB - (pc5: PP ?).
26d 07h 46m	(45-48) B: HO - (si: C: PP).
26d 15h 38m	(38-39) B: TK; C: MT KA KY.
27d 00h 47m	(47-48) B: TR TW.
27d 01h 35m	(35) A: AC; C: MB.
27d 06h 13m	(09-25) A: SI AC; B: PP TW; C: FR - (si: B: LM).
27d 07h 21m	(20-22) A: AM; B: HO.
27d 19h 48m	(48) B: TK TI.

TABLE 2b BAYS AND PULSATIONS 1965 - continued
(AUGUST)

28d 11h 33m (33-34) A: CO; C: PP.
 28d 12h 40m (40) A: AC; C: MT KA KY HO.
 28d 18h 30m (30) B: TI; C: TK.
 29d 01h 40m (35-45) B: BI; C: EB - (pc4: B: LU).
 29d 16h 48m (48) B: TI - (pc4: PP?).
 30d 06h 29m (28-34) A: TW; B: PP; C: FR - (pc4: A: AC - pc5: A: TE).
 30d 15h 51m (51) C: MT KA KY.
 30d 23h 20m (20-22) B: LG AQ EB PE.

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01d 17h 32m (30-42) A: TK AC; B: OD TF PP; C: MT.
 01d 18h 21m (15-23) A: TK GN AC; B: NI MT TF KA TI KY.
 02d 02h 50m (48-52) A: AC TW - (pc4: B: TE).
 02d 03h 43m (36-46) C: TU MB HU - (pc4: B: TE).
 03d 19h 20m (20-21) B: OD; C: TF.
 03d 07h 35m (35-36) A: AC; C: TU HO.
 03d 22h 52m (50-54) B: PP; C: FR - (ssc: B: TR TC).
 04d 18h 27m (24-30) B: TI - (si: A: SO).
 05d 06h 12m (10-15) B: SI; C: PP.
 05d 13h 52m (52) A: MT KA KY.
 05d 22h 24m (20-28) B: BI; C: MB.
 06d 08h 24m (20-32) A: CO SI AC; B: BI PP; C: HO - (pc4 + pc5: B: TW).
 06d 13h 15m (14-17) A: AC; B: MT KA KY; C: HO.
 07d 05h 37m (30-43) A: TE; B: TU PP TW; C: FR HO - (pc4: A: AC).
 07d 09h 38m (37-40) A: CO; B: MT HO.
 07d 23h 20m (20) B: AC; C: MB.
 08d 11h 45m (45) B: MT KA KY; C: HO.
 08d 18h 04m (04-05) B: TF; C: CM.
 09d 00h 27m (23-30) C: FR BI - (pc4: A: AC).
 09d 01h 19m (18-21) A: TW; SM; C: MB;
 09d 03h 15m (15-16) A: TW; C: FR.
 09d 05h 51m (50-52) A: TW; C: PP - (pc4: A: AC).
 09d 06h 30m (29-32) A: TW - (pc4: B: TE).
 11d 00h 51m (49-54) A: AC; B: AQ EB BI.
 11d 07h 47m (43-50) B: PP; C: TU HO - (pc5: A: TE - pi2 + pc4: A: AC).
 11d 21h 27m (27-28) B: OD; C: TF.
 13d 02h 45m (43-48) A: AC TW; C: FR.
 13d 23h 15m (10-20) A: LG; B: AQ IK MB; C: TF - (pc4: A: TR; B: NI CI).
 14d 04h 54m (53-55) B: FR PP - (pc4: A: AC - pc5: B: TE - pi2 + pc4: B: TW).
 14d 21h 58m (54-60) A: LG; B: CF AQ TF EB; C: HO.
 17d 02h 02m (00-03) A: SJ AC TW.
 17d 04h 28m (20-33) B: PP TW - (pc4: A: TE).
 17d 08h 25m (23-30) B: MT; C: KA KY - (si: B: IR).
 18d 03h 51m (50-52) A: TW; B: FR; C: HU - (pc4: A: TE).
 18d 08h 09m (08-10) A: CO; B: SI.

TABLE 2b BAYS AND PULSATIONS 1965 - continued
(SEPTEMBER)

18d 20h 56m (55-57) B: NI CM - (si: C: KG).
 19d 02h 37m (36-38) A: FR TW.
 19d 02h 54m (51-56) A: TE SJ; C: PP - (pc4: A: AC).
 19d 06h 03m (00-06) A: AC; B: FR TW; C: TU.
 19d 15h 19m (18-20) A: MT KA KY AC TW; C: GU.
 20d 02h 16m (15-17) A: AC TW.
 20d 13h 00m (00) B: MT KA KY.
 20d 14h 27m (27) C: MT KA KY.
 20d 16h 29m (29) A: CM; C: MT KA KY.
 21d 07h 20m (20) A: CO SI; B: PP.
 21d 10h 25m (25) B: CO; C: MT.
 21d 17h 23m (22-24) A: TR; B: TK.
 22d 05h 54m (54-55) A: AC - (pc4: C: FR).
 22d 14h 01m (01-02) C: MT KA KY.
 22d 15h 01m (00-04) B: TK; C: MT KA KY.
 22d 18h 40m (40-41) B: OD TK.
 23d 01h 46m (42-50) A: TW; B: EB MB; C: FR HU -)pc4: A: AC).
 23d 15h 45m (45) C: MT KA KY.
 24d 02h 24m (24-25) A: AC TW.
 24d 04h 23m (22-25) A: TE; B: PP; C: TU.
 24d 11h 33m (33) C: MT KA KY.
 25d 13h 23m (22-23) C: MT KA KY.
 26d 00h 00m (00-01) A: TW; B: ES.
 26d 02h 36m (36-37) A: AC TW; B: EB PP; C: FR.
 26d 10h 44m (44-45) C: MT KA KY HO.
 29d 12h 57m (57) C: MT KA KY.
 30d 02h 59m (58-60) A: TW; B: FR; C: HU.

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01d 15h 56m (56) C: MT KA KY.
 04d 02h 50m (50-51) A: TW; C: FR TU MB.
 05d 06h 27m (25-30) A: TE; C: TU.
 05d 22h 56m (54-59) B: OD AQ BI; C: EB MB - (pc4: B: CI LU).
 06d 19h 51m (50-52) B: OD AQ EB.
 08d 21h 23m (21-25) B: EB MB; C: TK.
 10d 12h 50m (50-51) B: CO TO; C: HO HU.
 10d 19h 25m (23-27) B: OD TF BI.
 10d 19h 47m (40-51) B: ST TK HU.
 11d 18h 11m (09-19) B: OD AQ TF TK EB BI.
 11d 19h 07m (06-08) A: TK; B: AQ TN.
 11d 23h 45m (45-46) B: PE BI.
 12d 00h 43m (41-45) A: TE SJ; B: FR PE SM; C: HU.
 12d 02h 00m (00) B: LG AQ EB MB.
 12d 02h 50m (50) A: TW; C: MB - (pc4: B: BI).
 13d 04h 45m (45-46) C: FR - (pi2+pc4: A: TW).

TABLE 2b BAYS AND PULSATIONS 1965 continued
(OCTOBER)

14d 00h 05m (05-06) B: FR; C: BI.
 14d 01h 41m (40-42) B: MB TW; C: BI.
 14d 13h 05m (00-08) B: BI GN; C: MT KA KY - (pc4: C: FR).
 15d 16h 39m (37-41) A: TW; B: CM OD; C: KA KY.
 15d 18h 24m (20-27) B: BI; C: TK - (pi2+pc4: B: TW).
 15d 18h 41m (41-42) B: MA; C: CM.
 16d 06h 16m (15-19) A: TW; B: BI; C: TU HO HU - (pc5: A: TE).
 16d 12h 08m (00-11) A: CO; B: TF; C: MT KA KY HO.
 16d 18h 02m (00-03) B: OD TK BI; C: CM MT KA KY.
 16d 22h 11m (07-15) A: TR; B: EB BI.
 16d 22h 38m (37-39) B: AQ MB - (pc4: B: CI - pc5: B: LU).
 17d 02h 31m (29-33) B: BI; C: TF - (pc4: A: TR).
 18d 05h 46m (45-48) B: FR TW - (pc5: A: TE).
 18d 06h 53m (50-55) A: TU HO TE; B: PP; C: HU - (pc4: B: LU).
 19d 15h 25m (18-30) B: TI; C: TF - (pc5: A: TE).
 19d 15h 47m (47) C: MT KA KY.
 20d 14h 24m (24-25) B: MT KA KY GN.
 20d 18h 46m (42-52) B: ST OD AQ EB TI BI TN.
 21d 02h 00m (58-01) B: AQ BI; C: ES MB HU - (pc5: B: LU).
 21d 02h 36m (36-37) B: AQ; C: MB - (pc5: B: LU).
 22d 07h 44m (41-45) C: TU HO - (ssc: B: AG - pc4: A: TE).
 23d 11h 55m (55-56) C: MT KA KY HO.
 23d 14h 07m (07-08) A: CM; B: BI.
 23d 16h 11m (04-14) B: TF; C: MT KA KY.
 24d 11h 00m (00) A: TW; C: MT.
 24d 21h 07m (07) B: EB PE.
 24d 22h 00m (55-05) B: BI; C: MB.
 25d 13h 47m (47) C: MT KA KY.
 25d 23h 29m (29-30) A: TW; C: FR.
 26d 13h 07m (07) C: MT KA KY.
 26d 14h 35m (35) C: MT KA KY.
 27d 12h 26m (20-28) B: BI; C: MT KA KY.
 28d 17h 05m (04-05) B: TF; C: MT KA KY.
 29d 16h 33m (30-37) B: OD TF BI; C: TK - (pc4: A: TR).
 30d 06h 37m (37-38) A: LG - (pc4: A: ES).
 31d 15h 25m (24-27) B: MT TK KA KY; C: GU.
 31d 18h 08m (07-09) B: TF PE.

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02d 13h 09m (09) C: MT KA.
 02d 17h 57m (55-60) B: TF - (pc4: C: FR).
 04d 00h 32m (29-38) A: TR; B: MB - (ssc: B: BI - pc5: A: LU).
 04d 15h 33m (33-34) A: CM - (si: B: ES).
 05d 11h 34m (34-35) B: CM - (si: C: KG).
 07d 07h 50m (49-50) A: SI TW; C: TU.

TABLE 2b BAYS AND PULSATIONS 1965 - continued
(NOVEMBER)

08d 15h 28m (27-30) B: TK; C: MT KA KY.
 08d 23h 07m (06-07) A: TW; B: FR TE.
 09d 15h 02m (55-05) B: OD; C: TK - (pc4: B: BI).
 09d 15h 53m (53-54) B: GN; C: MA KA KY.
 09d 22h 46m (43-49) B: OD BI; C: EB.
 10d 12h 55m (55) C: MT KA.
 10d 21h 57m (55-60) B: OD - (pg: HL - pc4: B: ES).
 10d 23h 03m (00-05) B: MA LG AQ EB PE BI; C: CM - (pc4: A: TR; B: CI).
 11d 10h 05m (03-09) A: CO PP; B: HO BI HU GN TO; C: MT KA KY - (pc4: A: AM - (pc5: B: TW).
 11d 11h 40m (39-42) B: HO BI HU GN; C: MT KA KY - (pi2+pc4: B: TW).
 11d 15h 45m (45-47) B: GN; C: MT KA KY.
 11d 21h 30m (30-31) B: OD AQ EB.
 12d 13h 45m (45) C: MT KA KY.
 14d 06h 21m (20-23) A: TE; C: TU PP.
 14d 13h 56m (56-57) B: TO; C: MT KA KY.
 14d 17h 30m (28-31) B: BI; C: MT TK KA KY.
 14d 23h 23m (21-25) B: ES OD BI.
 15d 13h 13m (13) C: MT KA KY TO.
 15d 18h 53m (53) C: MT KA KY.
 16d 04h 15m (15) B: EB SM.
 16d 20h 35m (28-38) A: TF; B: OD AQ PE BI - (ssc: B: SO - pi2+pc4: B: TW).
 17d 02h 12m (12) B: FR TW; C: HU.
 17d 02h 27m (25-30) B: OD - (pc4: B: BI).
 18d 01h 06m (06) A: SJ; B: FR.
 18d 01h 38m (35-40) B: MB; C: HU - (pc4: B: BI).
 18d 11h 06m (06-07) B: TO; C: MT KA KY.
 19d 04h 33m (30-40) B: TW; C: TU HU - (pc5: A: TE).
 19d 10h 47m (40-50) B: SI; C: MT KA KY HO.
 19d 11h 57m (57) C: MT KA KY.
 19d 16h 29m (29) C: MT KA KY.
 20d 00h 50m (50) B: FR TW.
 20d 16h 12m (12) C: MT KA KY.
 21d 01h 25m (22-25) A: FR TW; C: TU.
 21d 12h 22m (19-28) C: MT KA KY - (si: B: VL AE).
 21d 18h 49m (48-50) B: OD - (ssc: B: SO).
 22d 02h 07m (07-08) B: CF CI.
 22d 11h 18m (15-20) C: MT KA KY.
 23d 10h 35m (34-37) C: MT KA KY - (pc4: B: PP - pc5: A: TE).
 23d 18h 28m (18-30) A: ES TW; B: OD TF TK EB BI PP; C: CM MT KA KY - (ssc: B: SO).
 24d 02h 27m (25-29) B: BI TW.
 24d 18h 01m (00-03) A: TF; B: OD.
 25d 04h 53m (50-60) C: TU HU - (pc4: B: BI - pc5: A: TE).
 25d 14h 30m (30) B: GN; C: MT KA KY.
 26d 08h 39m (30-44) A: TE; B: GN TO; C: TU - (pc5: A: PP).

TABLE 2b BAYS AND PULSATIONS 1965 - continued
(NOVEMBER)

26d 09h 14m (14) B: MT KA KY.
 26d 09h 32m (30-35) A: HO; B: GU - (pc4: A: AM; B: TW).
 26d 14h 48m (48) C: MT KA KY.
 27d 14h 21m (21) C: KA KY.
 28d 13h 40m (39-40) B: GN; C: MT KA KY.
 28d 18h 46m (45-48) B: OD BI.
 28d 19h 06m (05-07) B: AQ TK.
 29d 15h 21m (21) C: MT KA KY.
 29d 20h 23m (23-24) B: TF BI.
 30d 11h 45m (38-48) A: MT KA KY; B: TO.
 30d 11h 57m (54-60) A: SI GU; B: HO - (ssc: B: LG AE; C: TF - si; B: ES; C: HR).
 30d 18h 55m (54-56) B: CM - (si: C: ES).

DECEMBER

02d 12h 42m (42) C: MT KA KY.
 02d 15h 01m (01) C: MT KA KY.
 03d 15h 55m (54-55) B: TK; C: MT KA KY.
 03d 23h 46m (45-48) B: EB PE BI TW.
 04d 11h 54m (54-55) A: MT KA KY; B: GU BI.
 04d 15h 06m (05-09) B: MT KA KY - (pc5: A: TE).
 05d 22h 36m (35-37) B: ES OD EB.
 06d 19h 03m (00-06) B: OD TF TI; C: TK.
 06d 19h 29m (28-30) B: AQ; C: EB.
 07d 20h 50m (50-51) B: OD TF.
 09d 00h 11m (09-15) A: TE; B: SM BI; C: TA MB - (pc4: A: CI).
 10d 13h 55m (52-65) B: MA MT EB KA KY GU GN TW - (pc5: A: SI?).
 11d 02h 43m (42-44) B: FR PP TW; C: HU.
 11d 03h 49m (48-50) B: TE; C: HU.
 11d 12h 43m (39-50) A: CO; B: MT KA KY GN HO AM TW - (pc4: A: TR).
 11d 14h 48m (48) C: MT KA KY.
 12d 17h 29m (29-30) B: TK BI; C: MT KA KY.
 13d 03h 44m (44-45) A: TW; B: TU.
 14d 12h 50m (48-55) B: CO GN TO; C: MT KA KY.
 14d 21h 36m (36) B: TK; C: TF.
 14d 22h 22m (22-23) B: PE TI TN.
 16d 03h 15m (13-18) B: SM; C: HU.
 16d 15h 21m (21) C: MT KA KY.
 17d 01h 24m (23-25) B: EB BI.
 17d 10h 04m (00-09) B: OD BI.
 18d 04h 45m (45) B: FR HU - (ssc: B: AG).
 20d 17h 05m (05-06) B: TW; C: CM - (pc4: A: TR).
 22d 12h 14m (14) C: MT KA KY.
 22d 21h 27m (27) B: EB BI.
 23d 15h 09m (09) C: MT KA KY.
 24d 00h 18m (17-19) B: PE; C: EB.

TABLE 2b BAYS AND PULSATIONS 1965 - continued
(DECEMBER)

24d 01h 27m (25-28) A: TW; C: FR - (ssc: C: AG).
24d 10h 00m (00) B: PP; C: HO.
24d 12h 39m (36-40) B: MT TK KA KY GN TW.
24d 13h 08m (05-12) B: CM TI.
24d 13h 45m (40-50) B: AQ GU - (ssc: B: IR).
24d 17h 08m (06-09) B: TK TI; C: MT KA KY - (si: A: TE).
24d 17h 56m (54-58) B: TK; C: CM.
26d 07h 30m (30) C: HO PP.
27d 07h 55m (55) B: PP; C: HO.
27d 15h 28m (28) C: MT KA KY.
29d 12h 33m (31-40) C: MT KA KY HO.
31d 10h 01m (00-02) C: HO PP.
31d 14h 15m (15) B: TW; C: MT KA KY.

TABLE 2c BAYS AND PULSATIONS 1965

Commencement of pulsational disturbances (pc4) not associated with bays.
(See remarks at the head of Table 2a).

JANUARY

03d 11h 32m (30-35) B: TU - (pi2: C: HU).
 06d 05h 51m (50-53) B: AC - (pi2: C: HU).
 07d 18h 17m (10-21) A: SJ; B: CO? SI FR.
 11d 14h 20m (20) B: BI; C: FR?
 15d 11h 18m (14-21) A: LG; C: FR - (pi2: B: TE).
 17d 12h 25m (22-30) C: FR - (ssc: C: BI? - si: B: KG)
 25d 14h 22m (20-25) B: AC - (pi2: OD).
 25d 20h 42m (35-50) B: CO TU; C: FR.
 27d 21h 53m (53) A: CO?; B: LG.
 29d 14h 01m (00-02) A: FR AC; B: CO? SI PP; C: MT KA KY GU.
 29d 15h 00m (00) B: ES? TU LU - (pi2: A: TE).
 30d 03h 00m (00) A: TR?; B: TF.
 31d 03h 59m (55-62) A: AC; B: TF BI - (pi2: B: PP?).

FEBRUARY

05d 07h 27m (25-30) A: TF - (pi2: B: TR).
 14d 14h 30m (30) A: FR; C: BI.
 14d 15h 16m (15-19) A: LG SJ; B: TU.
 14d 16h 15m (15) B: CO?; C: HO.
 15d 18h 00m (00) B: TU? - (pc5: B: SI).
 16d 15h 33m (30-38) A: CO?; B: FR TU BI.
 21d 13h 00m (00) B: SI TU - (pi2: A: TE).
 22d 15h 58m (54-63) B: LG BI; C: SI - (pi2: B: TE - pc5: B: LU).
 23d 20h 33m (32-35) B: LG - (pi2: C: BI).
 28d 19h 00m (00) C: SI FR.

MARCH

05d 17h .. m (..) B: CO TU.
 08d 04h 59m (58-60) A: SJ AC.
 14d 00h 03m (00-05) B: CO? SI; C: MT? KA? KY? - (pi2: A: VI; B: GU).
 20d 08h 33m (25-40) B: SM; C: BI - (pi2: C: PP).
 22d 05h 24m (20-28) A: AC - (si: A: ME).
 28d 02h 21m (20-22) A: AC - (pi2: C: FR).
 28d 05h 03m (00-06) A: BI; B: ES? TF.

APRIL

01d 06h 57m (50-60) A: AC - (pi2: C: HU).
 02d 06h 55m (51-60) B: BI - (pi2: C: HU).
 07d 03h 12m (10-14) A: TR; B: BI.
 07d 03h 35m (33-38) B: AC?; C: TE - (pi2 + pc4: B: TW).
 08d 19h 13m (12-14) B: BI - (pi2: C: TK).
 10d 18h 00m (00) B: CO?; C: FR - (pi2: B: HU).
 14d 02h 35m (35-36) A: AC - (pi2: B: BI).
 14d 21h .. m (..) B: PP; C: MT KA KY.
 17d 03h 33m (32-34) A: AC - (pc5: B: TE).

TABLE 2c BAYS AND PULSATIONS - continued

(APRIL)

26d 11h 50m (45-55) A: CO - (pi2: B: BI).
 27d 05h 43m (40-46) B: TE - (pi2: C: HU).
 27d 10h 15m (15) B: TE BI - (pi2: C: HO).
 28d 11h 55m (50-60) A: AC?; C: FR - (pi2: C: HU).

MAY

02d 12h 55m (50-60) A: AC?; C: FR - (pi2: C: HU).
 07d 12h 00m (00) B: BI; C: FR.
 14d 04h 18m (17-19) A: AC - (pi2: B: BI - pi2+pc5: A: TW).
 15d 08h 10m (10) A: AC - (pi2: B: PP - pc5: B: TE).
 17d 00h 56m (41-67) A: TF AC; C: SI - (pi2: B: BI; C: HU - pi2+pc4: B: TW - pc5: PP?).
 18d 22h 20m (19-21) B: LU - (pi2: AQ).
 19d 07h 44m (40-49) A: AC - (pi2: B: BI).
 26d 04h 17m (14-20) B: TE - (pi2: C: HU).

JUNE

01d 07h 39m (37-40) B: TE PP - (pi2: B: TU).
 01d 09h 59m (57-62) B: TE - (si: B: CO).
 15d 02h 27m (25-30) B: AC; C: FR - (pi2+pc5: TW).
 15d 04h 43m (40-46) B: TE - (pi2: C: HU).
 19d 01h ..m (..) B: MT KA KY.
 21d 03h 16m (15-18) A: TE - (pi2: B: TU).
 21d 03h 32m (30-35) A: AC - (pc4+pc5: A: TW).
 21d 04h 00m (00) B: BI - (pi2: C: HU).
 26d 21h ..m (..) C: MT KA KY.
 27d 16h 25m (25) B: FR PP?
 29d 09h 55m (55) B: PP - (pi2: C: HO).
 30d 02h 05m (05-06) A: AC; B: TW.

JULY

05d 06h 48m (47-50) A: AC; B: TE; C: PP - (pi2: B: TW).
 12d 11h 00m (00) A: AC; B: TF.
 17d 20h 37m (37) A: FR; B: PP?
 18d 06h 15m (07-20) A: AC; (pi2: B: TE - pi2+pc4: B: TW - pc5: B: LU).
 18d 11h 00m (00) B: CO? - (pi2: C: HU).
 21d 03h 14m (13-15) A: AC; C: FR - (pi2+pc4: B: TW).
 23d 00h 00m (00) A: AC - (pi2: B: MB).
 23d 04h 00m (00) B: TF - (pi2: C: HU).
 23d 07h 16m (13-20) A: AC; B: ES.
 24d 04h 24m (21-27) A: TE; C: FR - (pi2: C: MB).
 24d 07h 52m (48-55) A: AC; B: TE; C: PP? - (pi2: B: SI TW).
 25d 09h 01m (58-05) A: AC; B: TW.
 27d 04h 44m (42-46) B: TE AC - (pi2: C: HU).
 28d 22h ..m (..) C: MT KA KY.

TABLE 2c BAYS AND PULSATIONS 1965 - continued

AUGUST

04d 06h 15m (12-19) A: TE AC - (pi2: A: TW).
 06d 06h 54m (54) A: AC TW.
 07d 05h 31m (25-36) A: AC; B: TE SJ BI - (pi2: A: FR TW; C: SI TU).
 08d 21h 06m (06) B: CO? SI? FR.
 10d 21h ..m (..) B: CO; C: PP.
 20d 01h 59m (57-69) A: AC - (pi2: B: TW).
 20d 04h 09m (08-09) A: AC - (pi2: B: TW).
 22d 02h 22m (21-24) A: AC - (pi2: B: TW).
 26d 00h ..m (..) B: MT KA KY.
 26d 03h 47m (45-49) B: AM; C: MT KA? KY? - (pi2: A: AC TW).
 29d 01h 56m (55-58) B: CI - (pi2: C: HU).
 29d 15h 32m (26-36) A: AC; B: GN; C: MT KA? KY? - (pi2: B: OD; C: TK).

SEPTEMBER

01d 04h 43m (35-50) B: TR TE - (pi2: C: PP - pi2+pc4: B: TW).
 02d 00h 08m (07-09) A: AC - (pi2: B: TW).
 04d 03h 20m (19-21) A: AC - (pi2: C: FR).
 04d 03h 34m (32-37) A: TE - (pi2: B: TF).
 06d 01h 35m (35) A: CO; B: SI? MT? KA? KY?; C: HO.
 08d 08h 55m (50-60) A: AC; B: ES? NI.
 08d 10h 22m (20-25) B: BI - (pi2: C: PP).
 10d 03h 15m (14-18) B: AC - (pi2: B: TW).
 10d 14h 00m (00) B: AC?; C: PP? - (pi2: C: HU).
 10d 19h 46m (46) B: SI? AQ AC?
 17d 00h ..m (..) B: SI; C: MT KA KY.
 22d 09h 05m (00-10) A: AC; B: ES.

OCTOBER

06d 08h 16m (12-20) B: TE - (pc5: B: PP).
 10d 19h 02m (00-05) B: SI; C: FR - (pi2: TN).
 14d 05h 38m (37-39) A: TW; C: PP
 15d 07h 41m (40-42) B: TW; C: BI.
 18d 09h 07m (05-09) A: TE; B: SI? TW - (pi2: B: HO; C: PP).
 23d 03h 38m (36-40) A: TE; B: BI - (pi2: B: HU TW).
 27d 21h 01m (00-06) A: FR; B: SI; C: TU - (pi2: A: AM).
 28d 21h 10m (10) C: MT KA? KY?
 30d 13h ..m (..) B: CO PP.

NOVEMBER

02d 03h 05m (05-06) B: BI - (pi2: C: CM).
 27d 07h 03m (56-10) B: PP TW - (pi2: C: HU - pc5: A: TE).
 27d 11h 02m (00-04) A: TE - (pi2: C: HU).

DECEMBER

02d 10h 17m (15-20) B: ST? FR TE SJ - (pi2: B: PE HU TW; C: MB).

TABLE 2c BAYS AND PULSATIONS 1965 - continued
(DECEMBER)

02d 16h 32m (30-35) B: FR; C: MT? KA? KY - (pg: B: CO).
04d 11h 21m (18-26) B: HO TO - (pc4: A: TE).
17d 07h 00m (00) B: PP; C: TU - (pc5: B: TE).
25d 07h 30m (30) B: BI - (pi2: C: TU).
25d 07h 58m (55-60) A: TE; B: PP - (pi2: C: HO - pi2+pc4: B: TW).
26d 10h 10m (10) A: SI? - (pi2: C: HO).
27d 16h 08m (08) B: SI?; C: FR.
29d 18h 30m (30) B: SI? - (pc5: B: FR).
31d 04h 20m (19-21) B: FR - (pi2+pc4: B: TW).

TABLE 2d BAYS AND PULSATIONS 1965

Commencement of pulsational disturbances (pc5) not associated with bays.
(See remarks at the head of Table 2a).

JANUARY

none

FEBRUARY

none

MARCH

none

APRIL

17d 03h 57m (56-58) B: TW - (pi2: C: HU).

25d 05h 46m (42-50) B: TE - (pi2: C: HU).

28d 13h 00m (00) B: CO? - (pc4: B: BI).

29d 15h 00m (00) A: CO?; B: SI.

MAY

02d 00h 17m (16-18) A: LU; B: SM.

28d 00h 08m (08) A: LU - (pi2: C: BI).

28d 03h 10m (10) A: AC; B: TW.

31h 00h 36m (30-45) A: AC; B: LU - (pi2: B: SM BI).

JUNE

13d 02h 42m (40-45) B: SM - (pi2: C: HU).

25d 12h 05m (00-10) B: SI - (ssc: C: AG - pi2: C: GU - pc4: C: TO).

JULY

12d 15h 00m (00) A: ST - (pi2: PP).

13d 05h 15m (15) A: TW - (pc4: C: PP?).

AUGUST

none

SEPTEMBER

none

OCTOBER

21d 03h 56m (53-60) B: LU - (pi2 + pc4: C: TW).

24d 17h 05m (00-10) C: FR PP.

NOVEMBER

13d 09h 28m (27-30) B: TE - (pi2: C: PP).

18d 13h 41m (40-42) B: FR; C: LM.

22d 17h 22m (21-24) B: LU - (pi2: C: BI).

TABLE 2d BAYS AND PULSATIONS 1965 - continued

DECEMBER

05d 12h 22m (20-24) A: TE - (pi2: B: HU).
09d 09h 44m (42-46) A: TE - (pi2: B: TO).
18d 07h 06m (03-10) A: TE; B: PP - (pi2: C: HO HU).
22d 05h 00m (00) A: TE - (pi2: C: TU).

TABLE 2e GIANT PULSATIONS 1965

Exceptional pulsations of very great period and regularity with a sufficient relative amplitude. (checked by 56 observatories).

JANUARY

none

FEBRUARY

04d 05h 10m A: NU KN IR (23) - B: MO AG MU - C: KV LG - E: HB DU - X: AP KG.

MARCH

12d 18h 35m A: MO - B: NU LE (-19 06) KN ES (18 32 - 19 10) WN (-19 05) NI VL(-19 10) FU CF HB OD (18 12 - 19 28) LG (18 25 - 18 52) AQ MB HR (18 12 - 19 03) KG (-19 00) - C: CO DO SI GT HA KV MA DB BU FR SM TU QU TA SJ PA (18 40 - 19 00) DU - (pi2: B: MC (18 32)).

APRIL

05d 05h 00m B: CO MO CF (04 52 - 05 00) FR TU (04 50) PA (03 37 - 05 06) KG(-05 15) - C: SO (01 50 - 05 07) SI HO MU GU - E: TE - X: TN - (pi2: A: MB; B: SJ HR (04 51 - 05 04)).

05d 20h 00m B: NU MO IR CF HB OD (20 00 - 23 50) LG (20 30 - 20 45) - MU-C: DO LE WN (-21 20) GT KV BU (-20 13) FU (20 25 - 20 45) TK FR TU TA SJ HR (20 00 - 23 08) KG DU - (pi2: B: MA AQ EB MC (19 55 - 20 50) - pc5: C: ES(20 00 - 23 30)).

17d 14h 02m A: KN MO IR (03) FU (14 03 - 14 40) TK GU GN - B: CO NU SI WI (-14 16) VL (-14 15) KV CF OD (14 02 - 16 00) TU KG (-15 00) DU (-14 15) - C: SO (15) LE GT MA DB BU HB FR TA HO SJ MU PA (-14 14) HR (14 03 - 14 16) - E: QU BI - (pi2: B: MT AQ EB KA KY MC (00) TO -C: WN)-14 40) - pc4: B: MB.

21d 18h 20m A: CO FR - B: SI MO MU; C: AG SM TU SJ DU.

MAY

17d 06h 48m B: DO NU LE (-07 59) SI MO ES (-07 53) WN (-07 54) WI (-08 00) IR (32) MA (06 49 - 08 05) HB OD (-07 55) AQ MU KG (-07 20) DU (-07 00) -C: SO (48) KN GT DB CF AG LG FR SM TU HO GN - E; CO FU - X: MC - (pc4: A: MB).

31d 22h 02m A: NU KN FU (-24 00) - B: DO LE (-24 02) MO WN (22 04 - 24 05) WI (-24 00) DB CF HB OD (-24 00) LG (22 03 - 24 00) AQ FR SM TA MB MC (-24 10) HR (22 02 - 24 15) KG (-24 00) - C: SO (04) IR (04) GT KV BU TU HO SJ PA (-24 08) - X: AG - (pi2: A: EB; B: VL (04) MA (22 00-24 00) - pc5: B: ES (22 02 - 27 00)).

JUNE

29d 11h 00m A: NU KN MO IR BU FU HB LG (-15 54) TK - B: SO DO LE (-15 49) ES (-15 50) WN (-15 45) VL (-15 35) KV MA (-15 50) DB CF OD(-15 33) AQ SM TA BI HR (11 00 - 11 13) KG (-13 00) - C: WI (-12 50) GT FR TU HO SJ DU - E: CO HA EB QU - X: PA AP - (pc3+pc4: B: MB).

JULY

07d 05h 12m A: FR - B: SI MO OD (03 25 - 06 00) AG TU MU KG - C: KN IR GT HB TE DU - E: CO - X: MB - (pi2: B: SJ; C: WN).

28d 08h 57m A: MO FU - B: CO SI IR KV HB OD (07 50 - 10 30) MU KG (-09 25) - C: LE KN GT MA TK GN DU - E: DO NU LG AQ SM QU - X: BI AM - (pc4: B: ES WN - pc3+pc4: C: MB).

AUGUST

18d 14h 53m A: NU MO FU (51) LG (-15 05) - B: LE (-15 10) KN ES(14 52 - 15 08) IR KV BU HB OD(-16 03) FR KG (-15 05) - C: CO SI WN(-15 10) GT MA

TABLE 2e GIANT PULSATIONS 1965 - continued
(AUGUST)

(14 53 - 16 00) DB TU TA SJ DU - E: DO WI HA CF TK EB SM QU MU
MC BI HR - (pi2: B: AQ - pc4 - pc5: C: MB).

27d 14h 20m A: NU FU LG (14 28 - 14 42) - B: KN MO ES (14 17 - 15 00) WN (-15 05)
WI (-15 04) MA (14 10 - 15 10) DB BU (-14 30) HB OD (14 10 - 15 05)
AQ TK SM KG (-15 05) - C: SO(32) CO DO LE SI IR VL GT KV (35) CF
AG EB FR TU MU BI HR (14 15 - 15 00) - E: HA QU - (pc3 + pc4: C: MB).

SEPTEMBER

none

OCTOBER

none

NOVEMBER

04d 14h 40m B: CO MO SM DU (-14 50) - C: IR KV OD MU KG - E: QU - X: AP.
10d 23h 55m B: FU (23 03 - 23 50) LG (23 02 - 23 59) SM MU KG (23 00 - 24 00) - C:
SO (23 04 - . . .) LE KN MO IR VL GT KVAG FR TU QU TA SJ - X: BU
AP TO - (pi2: B: MA HR (23 02 - 24 10) - pc4: A: MB).

DECEMBER

08d 15h 39m A: CO SI - B: MO IR (35) HB OD MU GU AM GN KG (15 39 - 16 05) DU
(15 39 - 16 00) SB - C: KN GT FU LG (15 30 - 15 35) FR SM TU TA HO
SJ AP TO - E: QU - (pc3: HR).
18d 13h 15m A: NU KN IR BU FU (-35) HB - B: SO DO LE (-13 33) MO WN (-13 35)
KV MA (-13 30) DB CF OD (-13 40) AG LG (-13 33) AQ TK SM KG (13
15 - 13 30) CO SI GT HA (13 14 - 13 33) EB FR TU MU BI - E: QU HR
- (b: WI - pc5: B: ES (12 40 - 13 44) MC (13 15 - 13 45)).
26d 07h 22m B: CO NU LE (07 19 - 08 20) KN MO IR VL (-08 55) FU HB OD (-12 40)
TK MU DU (-08 ..) - C: DO GT KV DB BU LG AQ FR SM TU HO SJ
GU GN - E: QU - X: KG - (pc4: C: MB - pc5: B: WN (07 14 - 14 ..); C: ES
(07 17 - 18 55) - pc5 + pi2: MC).

TABLE 3a SUDDEN IMPULSES (S. I.'S) 1965

(checked by 60 observatories)

JANUARY

02d 03h 19m (19) B: IR LG SM BI AP AM SB - B: SO CO NU LE SI KN MO ES WN WI VL GT HA KV MA PR FU CF HB OD TK FR AK TU QU TE SJ MB GU PA BA MC TN GN HR TO - (ssc: B: MU DU) - D: 16.

FEBRUARY

06d 19h 28m (26-32) A: MO FR - B: CO SI ES WI IR VL MA FU LG AQ TL AK TU TA HO SJ MU GU BA MC GN - C: SO LE KN WN GT DB PR VI HB OD TK (EB) SM QU MB AP TO KG - E: NU HA CF AG TE TN DU - (pg:B: BI; C: HR) - D: 11.

09d 10h 20m (20-21) A: NU TE - B: SO CO DO KN MO ES WI IR VL MA PR FU HB LG AK SS TU MU BA AP TO AM - C: LE SI WN GT HA KV DB CF OD MB AQ TK TL FR SM KA KY QU HO SJ MB GU PA MC BI GN HR - E: TN - D: 9.

20d 23h 39m (38-39) A: MO AK TE - B: SO CO NU WN WI IR VL KV MA? FU HB LG AQ FR QU TA HO SJ MU GU BA MC DU - C: DO LE SI KN ES GT HA CF OD MT AG TK TL KA TU KY MB PA HR TO - E: TN - X: SM AP - (ssc: B: PR - pg: B: BI). - D: 10.

23d 09h 35m (32-39) A: KN MO TE MU - B: SO NU WI IR KV FU HB LG AQ FR KA SS TU QU TA HO SJ GU MC BI AP TN TO AM - C: DO LE SI ES WN GT MA MT TK EB AK KY MB PA GN HR - E: HA CF DU - X: BA KG - (ssc: B: CO PR OD SM) - D: 8.

MARCH

25d 08h 56m (55-57) A: SO NU KN MO WN PR FU OD AK GN - B: DO ES WI IR VL HA KV MA DB HB LG AQ QU MU KG - C: LE GT TK (EB) TL SM SJ MB GU BA HR - E: CO SI CF TN TO DU - D: 19.

29d 12h 06m (03-10) A: PR - B: DO NU MO ES WN WI IR NI VL HA DB HB AQ TL AK BI - C: SI GT QU GU PA - E: CO BA - X: TN - (b: CF? - sfe: A: KN OD MU; B: SO MA FU LG AG TK EB FR SM TU HO SJ; C: KV TA -cr: MB? GN) - D: 16.

APRIL

06d 04h 15m (15-17) A: MU GN - B: SO CO NU SI KN ES WN WI IR MA? PR FU OD LG AQ TK FR AK SM SS TU GU BI AP HR AM DU - C: DO LE MO VL GT HA KV HB MT AG EB (TL) KA KY QU HO TE SJ MB PA KG - X: TN TO - (ssc: B: TA BA; C: MC - b: CF?) - D: 5.

07d 13h 11m (10-12) A: PR FU AK - B: SO NU LE SI KN MO ES WN WI IR VL HA KV MA DB HB OD LG AQ FR SM TA SS MB MU BA BI TO - C: DO GT CF MT AG TK (EB) TL KA TU KY QU HO SJ GU PA MC AP HR KG - E: CO - (sfe: TE) - D: 9.

11d 16h 19m (05-23) A: KN MO IR FU OD LG AK MB - B: NU ES WN WI VL HA KV DB PR HB AQ (EB) FR SS QU TA HO TE SJ MU GU BA AP AM - C: SO CO LE SI GT CF MT AG TK TL SM KA TU KY PA GN HR TO - E: DO - X: MC TN - (ssc: MA - sfe: BI) - D: 7.

17d 17h 31m (27-31) A: CO SI MO ES IR FU OD TK TE SJ MB MU GU GN - B: NU LE KN VL HA KV MA MT LG AQ FR AK SM KA TU KY QU HO PA BA MC BI AP TN HR TO AM SB - C: SO WN WI GT DB PR HB AG TL - E: DO CF DU - (ssc: C: KG) - D: 6.

29d 15h 49m (47-50) A: MA FU OD - B: SO CO NU LE KN MO ES WN WI IR NI VL HA KV PR AQ AK SJ MB MU BA MC? BI - C: DO SI GT DB CF HB MT AG LG TK EB (TL) KA TU KY HO TA GU PA AP HR TO AM-X: FR - (ssc: B: SM; C: TN - b: C: GN) - D: 7.

MAY

04d 23h 35m (34-35) A: MO AG LG FR GN - B: SO NU SI KN ES IR VL HA KV VI FU HB OD AQ AK SM TU SJ MU GU BA MC AP HR TO AM - C: LE WN

TABLE 3a SUDDEN IMPULSES (S.I.'S) 1965 - continued

(MAY)

- WI GT DB PR MT TK EB TL KA KY QU HO MB PA TN DU - E: CO - X: BI - (ssc: MA CF?) - D: 8.
- 16d 11h 55m (55-57) MO IR OD AK - B: CO SI KN WI KV LG AQ SS TU QU TA HO MB MU GU BA MC BI AP AM SB - C: LE ES WN GT MA PR MT TK (EB) KA KY SJ HR DU - E: DO NU HA DB FU CF AG FR SM TN TO KG - (sfe: HB) - D: 9.
- 21d 03h 21m (21-23) A: LG - B: SO CO NU SI KN ES IR MA FU CF OD AK SM TU TA SJ MU GU AP TO AM KG - C: LE MO WN WI VL GT HA KV DB PR HB MT AG AQ TK EB (TL) FR KA KY QU HO TE MB BA MC TN HR - (b; B: GN) - D: 9.

JUNE

- 03d 18h 32m (28-34) A: CO KN MO IR PR FU OD LG AQ TK (EB) FR AK SS QU TA TE SJ MB MU BA MC - B: NI SI ES WI VL HA KV HB MT SM KA TU KY HO GU PA BI TN GN HR - C: LE SI WN GT DB VI AG (TL) AM-E: SO CF DU - X: AP - (bps: MA ?) - D: 5.
- 09d 05h 13m (00-15) A: KN MO FU FR SS TU TE SJ MU - B: SO CO SI WI IR KV DB VI CF HB OD MT TK SM KA KY QU TA HO MB GU PA BA AP GN TO AM - C: DO LE ES WN VL GT HA AG LG (EB) MC HR KG DU - E: NU MA PR TL TN - D: 6.
- 16d 05h 32m (31-37) A: CO NU KN MO IR FU TU QU TA TE SJ MU GU MC - B: ES WI MA PR HB OD LG AQ TK FR SM HO BA BI AP TN GN TO AM KG - C: SO LE SI GT KV DB CF MT (EB) TL AK KA KY MB PA HR - E: DO WN HA AG DU - D: 6.
- 18d 18h 15m (14-21) A: KN MO MA FU HB OD LG TA TE - B: CO SI ES WI IR HA KV DB PR CF? TK EB FR AK SM TU HO SJ BA MC? BI AP TN AM - C: NU LE GT MT AG AQ KA KY QU MB MU GU PA TO - bp: B: VL; C: HR - cr: WN TL) - D: 10.
- 24d 15h 56m (55-56) A: NU MO PR OD - B: SO CO LE SI KN ES WN WI IR VL MA DB FU HB AG LG AQ FR AK SM SS TA MB MU GU BA MC? AP TN GN HR AM - C: DO GT HA KV CF MT TK EB KA TU KY QU HO TE SJ PA TO KG - (ssc: B: BI; C: TL) - D: 5.

JULY

- 08d 16h 22m (21-23) A: MO ES IR HA FU HB OD LG AQ QU TA BA MC - B: CO NU LE SI KN WI VL KV MA DB CF TK (EB) FR AK SM TU HO SJ MU GU BI TN AM - C: WN GT VI MT (TL) KA KY MB PA AP TO DU - E: DO PR TE HR - D: 8.
- 19d 01h 59m (58-60) A: NU KN MO FU LG FR TE GU - B: SO CO SI ES WI VL HA MA PR CF HB OD AQ TK AK SM TU TA SJ BA MC TN GN HR AM - C: DO WN IR GT KV VI MT AG EB TL KA KY HO MB PA TO KG DU - X: QU MU BI AP - (ssc: B: LE) - D: 5.

AUGUST

- 15d 22h 13m (12-13) A: KN FU LG AK - B: CO NU SI MO ES WI IR VL HA KV MA PR HB OD AG AQ TK EB FR SM TU QU TA SJ MB MU GU BA MC BI AP GN AM DU - C: DO LE WN GT DB CF MT TL KA KY HO TE PA HR TO - D: 7.
- 16d 20h 08m (08-10) A: NU KN MO NI FU HB LG AK TA TE - B: CO LE SI ES WN WI IR HA KV DB CF? AG AQ TK EB FR SS TU HO SJ MB MU GU BA MC AP TN GN HR TO AM - C: DO GT MT TL KA KY QU PA -(ssc: A: MA; B: VL PR - bs: A: OD; B: BI - bp: B: SM) - D: 6.
- 18d 18h 52m (46-55) A: CO NU MO ES IR PR FU OD MT AG LG AQ TK (EB) FR KA SS KY QU TE SJ MB MU GU PA MC - B: LE SI KN WN VL HA KV DB VI CF HB AK SM TA HO BI AP TN HR AM SB - C: GT (TL) GN KG - E: DO WI MA? TO - X: TU BA - D: 3.
- 23d 16h 04m (02-06) A: CO NU SI KN MO FU TA - B: SO ES WI IR KV DB OD LG AQ TK (EB) FR SS TU QU SJ MU GU BA MC AP GN AM KG SB - C:

TABLE 3a SUDDEN IMPULSES (S.I.'S) 1965 - continued
(AUGUST)

LE WN VL GT HA HB MT AG TL AK KA KY HO MB HR TO - E: DO
MA PR CF SM - D: 9.

29d 19h 34m (34-36) A: KN FU LG FR TA TE - B: SO CO NU LE SI ES WI IR VL HA
KV MA DB PR CF? HB AG AQ TK EB AK SM TU HO SJ MB MU GU
BA MC AP TN? HR AM - C: GT MT KA KY QU PA GN TO DU - (bs: A:
OD; B: BI; C: WN - bps: B: TL) - D: 8.

SEPTEMBER

07d 17h 01m (55-01) A: MO FU LG - B: NU LE SI KN ES WN WI IR VL HA MA PR
CF HB OD AQ FR AK SM TA SJ - C: SO CO DO GT KV DB AG TK (EB)
(TL) TU QU HO MB BA MC BI HR - X: GN SB - D: 19.

19d 11h 42m (40-42) A: SO NU KN MO FU HB - B: CO DO LE SI ES WN WI IR VL
HA KV MA DB PR CF OD AG AQ FR AK SM SJ MU BA HR AM - C:
GT MT TK EB TL KA TU KY QU HO MB GU MC TO DU SB - X: BI -
D: 12.

27d 16h 56m (56-58) A: MO IR PR FU OD AG LG TK - B: CO NU SI ES WN WI GT
KV MA DB AQ (EB) FR AK SM SS TU QU HO SJ MU GU BA AP TN
HR AM DU - C: LE KN HA HB MT (TL) KA KY MB PA MC - E: DO CF
KG - X: BI - (ssc: B: VL) - D: 8.

OCTOBER

08d 02h 00m (59-01) A: NU SI KN ES WN NI PR FU OD LG TK FR TU QU HO TE
SJ MB MU GU BA MC AP GN HR TO AM - B: SO CO LE IR GT HA KV
MA? DB VI CF HB AG AQ EB TL SM TN KG DU SB - C: DO MT AK
KA KY - X: MO - (ssc: B: WI VL - bps: B: BI) - D: 4.

08d 02h 36m (34-37) A: SO NU KN NI PR FU HB OD LG FR TU HO TE SJ MB MU
GU BA MC HR TO - B: CO SI ES WN WI IR GT KV MA DB CF AQ TK
EB SM QU PA BI AP TN GN AM DU SB - C: DO LE VL HA MT AG TL
AK KA KY - E: KG - X: MO - D: 4.

08d 14h 08m (08-10) A: NU KN MO ES WN NI MA FU LG MC - B: SO CO LE SI WI
IR VL GT HA KV DB PR CF OD AQ EB FR AK SM TU SJ MB MU GU
BA AP HR AM KG - C: DO HB MT TK TL KA KY QU HO TE PA TN
GN TO DU SB - E: AG - (bps: B: BI) - D: 4.

22d 10h 26m (25-26) A: NU KN MO FU HB OD LG TK QU TE MU MC - B: SO CO LE
SI ES WN WI IR GT HA KV DB PR AG AQ EB FR SM SS TU HO SJ
MB GU BA BI AP TN GN AM DU SB - C: DO NI MT AK KA KY PA DU
- E: TL - (ssc: A: MA; B: VL KG) - D: 5.

22d 18h 06m (05-09) A: SO CO NU MO IR FU OD LG FR SS QU HO TE SJ MU GU
MC AP - B: LE SI KN KV DB CF HB MT AQ TK (EB) AK SM KA TU
KY TA MB PA BA GN HR TO AM KG SB - C: WN WI VL GT VI TL DU - E:
DO HA MA PR AG - (sfe: B: BI) - D: 6.

NOVEMBER

04d 11h 46m (40-48) A: NU KN MO WN IR NI PR FU HB OD LG TK AK SS TU QU
TA TE MB MU BA MC BI HR TO - B: SO DO LE SI ES WI VL GT KV
MA DB CF MT AQ EB TL FR SM KA KY HO SJ GU PA TN GN AM
KG DU - C: HA AG - E: CO - X: AP - D: 3.

05d 17h 04m (00-05) A: CO SI MO IR PR FU OD LG TK FR AK QU TA TE SJ MB
MC - B: SO LE KN ES WN WI VL HA KV DB CF HB AG AQ EB TL SM
TU HO MU GU BA BI AP GN HR TO AM DU SB - C: NU GT MT KA
KY PA KG - E: MA? - X: DO - D: 6.

18d 18h 56m (55-61) A: IR AK - B: MO OD LG TK TL QU TE BA BI TN - C: NU SI
KN WN WI GT KV MA FU CF HB MT FR SM KA TU KY HO TE SJ MB
MU GU PA MC AM DU - E: CO AG HR - D: 19.

DECEMBER

01d 11h 16m (16-17) A: TE - B: KN ES IR FU OD LG TK AK TU QU TA MU GU BA

TABLE 3a SUDDEN IMPULSES (S.I.'S) 1965 - continued
(DECEMBER)

MC BI AP TN GN HR TO AM KG - C: SI MO WI GT KV MA HB MT AG
AQ FR SM KA KY HO SJ MB - E: CO CF DU - X: PR - (pi2: B: WN) -
D: 5.

04d 14h 45m (42-45) A: SS QU MU - B: CO SI MO IR OD TK FR TA HO GU BA MC
AP TN TO AM KG SB - C: KN ES WN WI VL GT KV MA FU CF HB MT
AG AK SM KA TU KY SJ MB PA BI HR DU - X: LG - D: 14.

TABLE 3b NOT CHECKED SUDDEN IMPULSES (S. I. 'S) 1965JANUARY

15d 11h 33m (32-35) B: TL AE - (ssc: A: TC).
 20d 05h 09m (06-10) B: HL LG BI - (bs: B: HU).
 21d 02h 26m (22-30) B: IR - (cr: C: PP).
 21d 07h 19m (19-20) B: PP - (ssc: C: LU).
 24d 23h 02m (00-04) C: LU - (sfe: BI).
 26d 08h 53m (53-54) A: TN; B: MB - (bs: C: HU).

FEBRUARY

03d 00h 31m (30-32) A: AC; B: IK - (bs: C: HU).
 03d 12h 02m (01-04) B: HL TC.
 06d 20h 25m (22-30) A: OD TE; B: MB PP - (ssc: A: TC).
 08d 19h 37m (34-40) A: IK - (bp: C: WK).
 12d 13h 59m (58-61) B: LG - (cr: C: MB).
 15d 17h 25m (19-30) B: LG TL AE TC - (sfe: BI).
 14d 21h 18m (18) A: TE; B: TL.
 18d 12h 13m (10-13) B: HL WN PR TL; C: TC KG.
 21d 06h 35m (30-40) B: VL AE - (ssc: A: TC).
 21d 09h 25m (24-26) B: LG LU.
 21d 09h 46m (43-49) A: MC; B: VL BI LU TN LM.
 22d 18h 27m (21-30) B: LG TE LU; C: HR - (ssc: B: BI TN).
 22d 19h 36m (33-40) A: LG; B: LU.
 25d 11h 06m (04-08) B: ES VL LG TL.
 28d 10h 47m (46-49) B: HL - (cr: SW).

MARCH

02d 18h 34m (33-36) B: TL TE.
 03d 04h 20m (15-21) A: TE; C: MT KA KY AP - (ssc: A: TC).
 03d 07h 34m (33-35) B: IR TE.
 03d 13h 55m (55-56) B: LG - (ssc: C: TL).
 09d 16h 31m (28-35) A: TC; B: LU - (sfe: IR).
 11d 00h 33m (33-34) B: TN - (bp: C: BI).
 15d 10h 53m (52-55) B: HL - (cr: C: MB PP).
 15d 19h 08m (05-10) A: TR; B: MW - (bp: B: CF).
 19d 05h 40m (40-41) B: HL - (pg: B: ES).
 21d 00h 38m (38) B: CO HL.
 30d 12h 19m (19) B: HL VL.

APRIL

04d 23h 43m (39-46) B: HL LG LU; C: HR DU.
 09d 16h 41m (40-42) B: HL BE.
 12d 22h 35m (32-39) B: CO; C: PP DU.
 15d 08h 02m (02) B: VL; C: HR.
 18d 06h 26m (23-30) A: AP AM.
 18d 08h 03m (02-04) A: ES SF TE; B: CF; C: DU.
 18d 08h 59m (50-65) A: TE LU; B: ES CF LG SM.

TABLE 3b NOT CHECKED SUDDEN IMPULSES (S. I. 'S) 1965 - continued
 (APRIL)

19d 15h 59m (58-63) B: ES CF TF TL TC.
 20d 06h 35m (32-37) B: HL VL; C: HA.
 20d 13h 35m (33-36) B: BE IK TL KS - (ssc: C: TF - b: A: PE).
 22d 10h 16m (10-18) B: HL PR; C: WN AE HR - (sfe: OD).

MAY

08d 16h 22m (20-24) A: LG; B: TL - (ssc: A: SF; B: HB?).
 18d 20h 23m (22-24) B: AG; C: PP?
 18d 21h 20m (20) B: HL; C: TL.
 21d 03h 37m (36-38) A: TE; C: PP.
 22d 15h 59m (58-60) B: HL - (sfe: OD).
 27d 22h 06m (05-08) B: HL BE OD.

JUNE

03d 16h 25m (24-26) B: PP? - (ssc: B: TF).
 03d 20h 09m (09-10) A: TE AC; B: TL MB; C: AE.
 09d 05h 02m (00-06) A: TE; B: HL VL CF LG TL AE - (bps: B: MO - pg: B: ES).
 09d 14h 36m (36-37) A: KS - (ssc: A: TC).
 15d 11h 32m (24-35) A: TE; C: MT KA KY - (ssc: A: KS).
 16d 01h 08m (04-12) A: TE; B: PP - (bp: C: KV?).
 16d 01h 47m (46-48) A: TE; C: MT KA KY.
 16d 06h 34m (34-35) A: TE; B: CF.
 16d 13h 45m (43-47) B: PP; C: KG.
 16d 14h 09m (05-15) A: OD; B: CF MT KA KY; C: AP - (bs: A: IR - bp: C: KV?).
 26d 22h 09m (08-10) A: TE; B: PP.

JULY

02d 09h 46m (44-48) B: VL; C: KS.
 03d 15h 01m (00-02) B: TC - (cr: MB?).
 06d 05h 30m (30) C: MT KA KY.
 08d 00h 31m (30-32) A: TE - (ssc: C: PP).
 08d 07h 28m (25-30) A: TE - (ssc: C: LG - sfe: IR).
 08d 13h 28m (28-29) A: SF - (ssc: C: TF).
 08d 14h 12m (12) A: MO; B: PR.
 08d 21h 09m (09-10) A: TE - (sfe: IR).
 09d 20h 22m (21-23) A: LG; B: HL - (ssc: C: TF).
 10d 01h 35m (35) B: CF LG TL AE.
 12d 20h 25m (23-30) B: PP; C: MT KA KY - (sfe: IR).
 12d 22h 15m (06-20) A: LG; B: HL TE - (ssc: C: TF - pc5: B: TO).
 15d 04h 03m (56-05) B: LG KG; C: WN EB.
 18d 19h 30m (30-31) A: LG; B: MO PP - (sfe: IR).
 24d 14h 25m (23-30) B: LG; C: TL - (bp: B: IR).
 27d 02h 47m (44-50) B: LG - (pi2+pc4: A: TW).

TABLE 3b NOT CHECKED SUDDEN IMPULSES (S. I. 'S) 1965 - continued

AUGUST

02d 01h 16m (15-18) B: LU; C: AE.
 02d 05h 28m (22-30) B: TE LM; C: AE PP? - (sfe: IR).
 02d 09h 30m (30-32) B: MO VL BE; C: WN - (ssc: SW).
 07d 10h 06m (05-08) B: HL - (ssc: B: SO).
 13d 22h 25m (23-28) B: HL BE.
 16d 19h 08m (08-09) A: TE; B: TC.
 18d 17h 46m (40-50) A: TE; B: MB - (sfe: IR).
 18d 18h 20m (20-21) A: TE; B: MB.
 20d 07h 16m (16-17) B: VL; C: WN.
 29d 23h 49m (42-59) A: PR TE; B: WN HB? PP; C: HR.

SEPTEMBER

01d 15h 23m (23-24) A: TC; B: HL LG? AE.
 04d 17h 42m (35-45) B: TL; C: AE - (pc5: B: ES).
 05d 06h 30m (30) B: LG; C: HO PP.
 06d 09h 31m (28-35) C: PP? BI.
 07d 20h 58m (56-60) A: LG; B: TF - (cr: PP?).
 12d 10h 18m (16-21) B: LG LU; C: HR - (ssc: C: DB PE).
 12d 15h 26m (26) B: WN PR.
 16d 07h 49m (45-51) A: ME TE - (bps: A: AG).
 16d 09h 13m (12-15) A: LG? TE; B: ES - (ssc: B: VL).
 17d 11h 46m (45-48) A: TC; B: VL LG - (ssc: A: SF; C: CM).
 27d 16h 32m (30-33) A: LG?; B: TL - (ssc: B: TC).
 27d 11h 46m (45-50) B: WN VL LM - (ssc: B: SM LU; C: MA).

OCTOBER

01d 20h 16m (16) B: HL; C: PP.
 01d 21h 25m (24-26) B: LG - (ssc: B: MW).
 05d 07h 15m (14-16) A: LG; B: FR; C: WN KG.
 07d 07h 03m (00-08) B: HL BE BI TN - (ssc: B: TI? MB GN; C: LM).
 07d 10h 30m (29-32) A: MO TE.
 07d 19h 03m (02-05) A: TE; B: LG LU.
 08d 06h 11m (10-12) A: MO; B: WN CF; C: TL.
 08d 07h 57m (56-58) A: LG TE.
 12d 07h 27m (24-31) B: HL VL - (sfe: LG?).
 12d 09h 35m (35-36) B: HL - (sfe: IK).
 14d 11h 46m (44-48) B: HL; C: AE.
 18d 02h 39m (38-40) B: LG TN - (b: A: PE).
 19d 12h 03m (01-04) B: HL TC; C: PE AE.
 23d 06h 45m (40-50) A: TE - (ssc: C: TF - sfe: LG?).
 23d 10h 20m (15-25) A: TE - (bps: C: IR).
 23d 12h 45m (45-47) B: ES WN CF LG.
 29d 22h 06m (04-09) B: HL - (ssc: B: TF).

TABLE 3b NOT CHECKED SUDDEN IMPULSES (S.I.'S) 1965 - continued

NOVEMBER

- 01d 22h 04m (58-06) B: MO HL CM LG - (ssc: B: TF - bs; C: BI).
 04d 15h 58m (57-58) B: LG; C: TK - (ssc: C: TF).
 05d 10h 47m (44-51) B: NU LG - (pg5: A: TE).
 05d 16h 50m (50) B: LG; C: ES TL.
 10d 18h 19m (16-22) B: HL - (sfe: HU).
 10d 22h 17m (17-18) A: TE; B: LG.
 25d 15h 27m (24-30) B: HL LG BI LU; C: TC - (ssc: C: TF - sfe: VL BI).

DECEMBER

- 01d 12h 24m (22-27) A: OD TE; B: TA MC; C: MB PP LM - (ssc: A: TF; B: TC).
 01d 12h 42m (42) A: TE - (sfe: IR).
 04d 06h 09m (08-10) B: HL BE.
 04d 12h 30m (30-32) B: AE KG; C: TL TC - (ssc: C: MA - sfe: VL).
 08d 15h 36m (35-38) B: ME - (ssc: C: PP ?).
 08d 18h 47m (45-52) B: HL; C: LM - (ssc: C: TF AE - bp: B: TC).
 22d 09h 58m (55-65) B: VL AE BI; C: TC MC - (ssc: A: LU; B: TA; C: TF).
 22d 16h 57m (55-60) A: LG; B: ES LU - (pg: B: BI).
 30d 14h 13m (12-15) A: SF - (sfe: LG ? TL).

TABLE 4 MINOR DISTURBANCES 1965

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

JANUARY

d	h	m		d	h	m		d	h	m		d	h	m									
01	00	00	pc4	TF	-	01	02	36	bp	LU	-	01	03	05	pi2	FR	-	01	09	32	pi2	TO	-
01	11	35	pc4	AC	-	01	18	..	bp	KV	-	01	22	00	si	BI	-	02	02	46	bp	PR	-
02	07	10	pi2	PP	-	02	13	00	pc4	SI	-	02	13	30	bp	IR	-	02	14	50	bp	IR	-
02	16	..	pc4	CO	-	02	17	18	pi2	TF	-	02	18	36	pi2	TF	-	02	20	..	bp	KV	-
02	23	03	bp	LG	-	02	23	30	bp	TI	-	03	05	00	pi2	TE	-	03	10	10	pi2	SM	-
03	16	05	bp	IR	-	03	16	21	b	SW	-	03	17	09	bp	TF	-	03	17	25	b	MC	-
03	17	..	bp	KV	-	03	18	32	bp	BI	-	03	20	05	pi2	FR	-	04	05	00	pc4	PP	-
04	10	47	bp	TO	-	04	11	20	pi2	HO	-	04	15	36	pi2	BI	-	04	18	30	bp	IR	-
04	19	09	bp	TF	-	04	19	20	bp	OD	-	04	19	35	bp	MA	-	04	19	..	bp	KV	-
05	00	..	bp	KV	-	05	07	45	pi2	TO	-	05	09	50	pi2	TO	-	05	11	59	pi2	AC	-
05	13	45	pi2	TO	-	05	21	10	pi2	HU	-	06	13	56	b	TI	-	06	16	36	pi2	TK	-
06	17	01	pi2	OD	-	06	17	18	pi2	TF	-	07	04	00	pc5	TR	-	07	08	45	pi2	BI	-
07	13	45	b	SR	-	07	14	00	bp	IR	-	07	15	..	bp	KV	-	07	18	40	pi2	BI	-
07	23	48	bp	BI	-	08	00	50	bp	IR	-	08	02	00	pg	BI	-	08	15	41	pi2	ES	-
08	17	03	pi2	FU	-	08	17	..	bp	KV	-	08	22	30	bp	SU	-	09	09	12	pi2	PP	-
09	10	25	pi2	HO	-	09	17	55	pi2	ES	-	10	12	43	pi2	TO	-	10	15	42	b	SR	-
10	17	15	pc5	SI	-	10	20	21	bp	TF	-	10	21	00	pi2	FU	-	10	21	..	bp	KV	-
10	23	..	bp	KV	-	11	00	18	pc4	TF	-	11	04	30	pi2	FR	-	11	16	45	pc4	QU	-
11	17	36	pi2	TK	-	12	03	00	pc4	TF	-	12	06	30	pc5	PP	-	12	10	05	pi2	HO	-
12	14	..	bp	KV	-	12	18	00	pi2	TF	-	12	20	15	pi2	TF	-	12	21	29	bp	WN	-
13	00	32	bps	MW	-	13	13	45	pi2	GN	-	13	14	06	pi2	TK	-	13	20	..	bp	KV	-
13	22	20	pi2	OD	-	14	00	00	pi2	SR	-	14	02	00	pc4	TF	-	14	06	06	pi2	HU	-
14	11	40	bp	IR	-	14	13	50	pi2	AC	-	14	14	..	bp	KV	-	14	15	25	pi2	BI	-
14	20	15	si	BI	-	15	00	40	pc5	PP	-	15	02	09	pi2	TR	-	15	05	00	pc5	TR	-
15	10	25	pc4	FU	-	15	12	..	bp	KV	-	15	13	05	pi2	TE	-	15	13	18	pi2	BI	-
15	13	..	pc4	CO	-	15	21	17	pc4	CO	-	16	05	16	pi2	PP	-	16	06	48	pi2	BI	-
16	08	09	pi2	BI	-	16	09	00	pc4	SJ	-	16	19	58	pi2	BI	-	17	08	48	pi2	TE	-
17	09	35	pi2	HO	-	17	10	45	pc4	LG	-	17	12	37	pi2	BI	-	17	13	42	ssc	TR	-
17	18	..	bp	KV	-	17	21	27	pi2	LG	-	18	06	27	bp	TE	-	18	17	42	pi2	TK	-
18	20	50	pi2	EB	-	18	21	..	pc4	CO	-	19	02	00	pc4	BI	-	19	03	00	pc4	TF	-
19	07	38	pi2	BI	-	19	21	..	bp	KV	-	20	00	56	si	HL	-	20	15	12	ssc	AG	-
20	18	30	bps	IR	-	20	21	32	si	TE	-	20	22	53	pi2	FU	-	20	23	21	si	LG	-
21	01	21	si	TE	-	21	02	30	si	IR	-	21	07	19	ssc	LU	-	21	12	22	bs	BI	-
21	17	..	pc5	CO	-	21	23	46	bp	OD	-	22	05	30?	b	MB	-	22	07	00	bp	IR	-
22	10	36	si	BE	-	22	17	53	bp	KG	-	22	18	06	bp	TI	-	22	19	..	bp	KV	-
22	23	20	pi2	BI	-	23	00	40	pg	BI	-	23	00	--	bp	KV	-	23	07	36	si	BI	-
23	21	15	pi2	OD	-	24	03	00	pc4	TF	-	24	07	12	si	HL	-	24	10	10	pi2	BI	-
24	16	17	pi2	AC	-	24	17	20	pi2	FR	-	24	17	50	pg	BI	-	24	18	40	pg	ME	-
24	21	12	si	CO	-	24	21	47	si	TC	-	25	17	17	pi2	TK	-	26	01	03	pi2	BI	-
26	17	50	pi2	FR	-	26	21	08	pi2	BI	-	27	00	34	pc5	LU	-	27	00	..	bp	KV	-
27	04	22	bp	ME	-	27	06	46	pc4	LG	-	27	08	20	pc4	PP	-	27	09	30	pc4	TU	-
27	10	..	pi2	TR	-	27	11	00	pc4	FU	-	27	11	47	pi2	BI	-	27	14	39	pi2	BI	-
27	17	30	pc4	FR	-	27	21	12	bp	LU	-	27	22	38	pi2	PE	-	27	23	..	bp	KV	-
28	00	18	pi2	PE	-	28	01	..	bp	KV	-	28	04	42	b	PP	-	28	13	50	bp	TC	-
28	17	48	pi2	TK	-	28	18	45	pi2	TF	-	28	19	..	bp	KV	-	28	20	..	bp	KV	-
29	00	56	pc4	TF	-	29	02	06	pi2	PE	-	29	13	30	pc4	SJ	-	29	16	00	pi2	HO	-
29	16	45	pi2	TF	-	30	02	16	pi2	AC	-	30	02	44	pi2	HU	-	30	04	00	pc4	BI	-
30	04	50	pi2	TO	-	30	09	04	pi2	PP	-	30	10	10	pi2	HO	-	30	16	20	pc4	FR	-
30	20	00	pc4	PP	-	30	22	..	bp	KV	-	31	03	13	pi2	TR	-	31	09	00	pi2	TU	-
31	20	42	pi2	FU	-	31	21	30	pc4	LG	-	31	23	16	si	AC	-						

FEBRUARY

01	00	57	pc4	LG	-	01	03	02	pc4	LG	-	01	15	10	pc4	AC	-	01	15	30	pi2	OD	-
01	15	42	pi2	BI	-	01	16	24	pi2	TK	-	01	17	18	pi2	TK	-	01	22	04	si	HL	-
01	23	00	pi2	ES	-	01	05	12	pi2	ES	-	02	14	13	pc4	AC	-	02	14	..	pc5	PP	-
02	18	14	pi2	TF	-	02	20	30	pc4	FR	-	02	21	55	pi2	OD	-	02	23	01	bp	BI	-
03	01	31	pi2	BI	-	03	02	40	pi2	SM	-	03	05	23	pi2	BI	-	03	09	06	pi2	OD	-
03	10	..	pi2	PP	-	04	01	05	bp	TC	-	04	02	..	bp	KV	-	04	05	10	pg	ME	-
04	09	54	bp	LU	-	04	14	15	ssc	TR	-	04	21	26	pi2	TN	-	05	03	02	si	LM	-
05	08	20	pi2	HU	-	05	08	38	pi2	BI	-	05	09	00	pi2	HU	-	05	10	51	pi2	BI	-
05	12	41	pi2	ES	-	05	13	12	pi2	BI	-	05	18	00	bp	IR	-	05	18	..	pc4	CO	-
05	19	..	bp	KV	-	05	23	..	pc5	CO	-	06	01	..	bp	KV	-	06	13	03	si	HL	-

TABLE 4 MINOR DISTURBANCES 1965 - continued
(FEBRUARY)

d	h	m		d	h	m		d	h	m		d	h	m			
06	13	36	si TE	-	06	14	45	pc4 BI	-	06	16	15	si BE	-	06	16 ..	bp KV -
06	17	.	bp KV	-	06	19	45	si TE	-	06	23	45	si MO	-	07	03 30	pg SI -
07	05	38	bps AC	-	07	06	00	bps TE	-	07	06	25	bs TC	-	07	08 16	b AC -
07	14	26	b AC	-	08	17	16	pi2 AC	-	08	17	50	ssc TC	-	08	21 ..	bp KV -
09	03	44	b PP	-	09	04	31	si WN	-	09	12	55	pi2 BI	-	09	13 15	pi2 SI -
09	15	36	bp OD	-	09	17	54	pi2 LG	-	09	18	44	si TE	-	09	19 32	si TE -
10	02	28	si TN	-	10	02	39	ssc BI	-	10	04	05	pi2 AC	-	10	05 30	bs HU -
10	09	52	pc4 LG	-	11	02	50	bp VL	-	11	03	40	b TC	-	11	10 15	pi2 BI -
11	11	05	ssc TC	-	11	14	22	pc4 BI	-	11	16	16	pc4 QU	-	11	17 00	pi2 BI -
11	18	09	pi2 TF	-	11	18 ..	pc4 CO	-	11	19 ..	bp KV	-	11	22 48	pi2 OD -		
12	00	.	bp KV	-	12	04	25	pi2 AC	-	12	12	35	si LG	-	12	12 ..	pc4 AC -
12	17	51	pi2 TF	-	13	09 ..	pc5 TR	-	13	12	45	pi2 BI	-	13	14 40	pc4 FR -	
13	16	58	pi2 GN	-	13	19 ..	bp KV	-	13	22	23	pi2 PE	-	13	22 ..	bp KV -	
14	03	07	pc4 BI	-	14	04	10	pc4 FR	-	14	10	00	bp HR	-	14	10 20	pi2 HO -
14	11	30	bp IR	-	14	13 ..	pc4 ES	-	14	15 ..	b SR	-	14	15 42	pc4 LU -		
14	16	00	pc4 SI	-	14	18	10	bp IR	-	14	19	28	bps TF	-	14	20 31	pi2 OD -
15	03	41	pg BI	-	15	05	06	pc4 BI	-	15	09	32	pi2 HU	-	15	10 26	si LG -
15	11	55	pi2 BI	-	15	13	00	pi2 HO	-	15	16 ..	bp KV	-	15	18 30	pc5 LU -	
15	18	43	bp BI	-	15	19	21	pi2 TF	-	15	19	48	pc4 LG	-	15	22 06	bp OD -
16	00	.	bp KV	-	16	01	04	si HL	-	16	02	37	pi2 AC	-	16	13 ..	pc4 AC -
16	15	52	pc4 LG	-	16	23	58	bs LG	-	18	12	40	pc4 AC	-	18	12 51	bp LU -
18	13	10	bp TC	-	18	19	21	pc4 QU	-	18	21	00	bp TF	-	18	23 30	si AE -
19	03	27	pc4 AC	-	19	04	07	pi2 BI	-	19	09	23	pi2 TE	-	19	11 ..	pc5 CO -
19	15	.	pc4 CO	-	19	17	51	bps BI	-	19	18	12	pi2 TF	-	19	22 42	pi2 BI -
19	23	54	pi2 BI	-	20	01	47	si HL	-	20	06	21	pi2 TU	-	20	07 36	pi2 CO -
20	17	20	pi2 TK	-	20	18 ..	bp KV	-	21	02	37	bp MB	-	21	03 43	bps LG -	
21	04	00	bp MB	-	21	07	54	pc4 LG	-	21	07 ..	pc5 PP?	-	21	09 ..	pc5 PP?	
21	11	12	b PP	-	21	11	51	ssc TR	-	21	16	00	bp TF	-	21	16 44	pc4 BI -
21	21	.	bp KV	-	22	07	00	pi2 TE	-	22	10	36	pc4 LG	-	22	15 30	pc4 FR -
22	21	28	si LG	-	22	22	20	bps MA	-	23	00	28	pc4 LG	-	23	01 16	pi2 CI -
23	02	35	pc4 CI	-	23	05 ..	pc4 AC	-	23	09	04	ssc LG	-	23	10 59	pc4 LG -	
23	13	33	ssc TR	-	23	14	25	bp IR	-	23	15	00	pc4 SI	-	23	18 ..	bp KV -
23	22	16	pi2 BI	-	24	06	30	pc4 LG	-	24	15	45	si AC	-	24	20 43	bp TF -
24	21	51	ssc TR	-	24	22	55	bps MW	-	25	03	20	si HL	-	25	09 58	pc4 TR -
25	12	21	pi2 CO	-	25	16	00	pi2 HO	-	25	20	45	ssc TR	-	25	21 42	b TN -
26	03	00	pc4 TF	-	26	05	57	pi2 TE	-	26	06	54	pi2 HU	-	26	07 36	pi2 HU -
26	13	21	bp VI	-	26	13	46	si LU	-	26	16	48	pi2 ES	-	27	03 14	si BE -
27	07	00	pc4 LG	-	27	10	48	si BE	-	27	14	51	bps VL	-	27	19 00	pc4 FR -
27	19	34	pc4 LG	-	27	20 ..	pc4 TU	-	27	21	42	ssc TR	-	28	01 40	pi2 HU -	
28	03	17	si HL	-	28	07	00	pi2 TE	-	28	10	13	pc4 LG	-	28	15 28	bp OD -
28	16	19	pi2 TK	-	28	19	12	pi2 OD	-	28	19	24	pi2 AQ	-	28	19 37	pi2 BI -
28	19	50	pi2 CF	-	28	20	30	pi2 TI	-	28	20 ..	bp KV	-	28	20 ..	pc4 CO -	
28	21	08	pi2 TN	-													

MARCH

01	02	11	pi2 BI	-	01	02	35	pc4 TF	-	01	10	12	bp LU	-	01	14 46	bps HB -
01	19	34	pi2 CM	-	01	21	14	bp WI	-	01	22 ..	bp KV	-	02	01 45	pi2 HA -	
02	03	35	pi2 SM	-	02	09	10	ssc BI	-	02	12	51	si LU	-	02	14 08	pi2 TR -
02	16	30	b SR	-	02	17	20	b IR	-	02	17	46	si PP?	-	02	18 12	pg BI -
02	20	30	pc5 FR	-	02	21	30	pi2 TF	-	02	22	30	ssc PP	-	03	00 20	pi2 PE -
03	04	00	sfe BI?	-	03	06	30	pi2 TU	-	03	13	25	b IR	-	03	16 17	pi2 BI -
03	18	.	bp KV	-	03	19	05	bp BI	-	03	19	54	si TE	-	03	20 40	b TN -
03	22	.	bp KV	-	03	23	00	b TC	-	04	01	50	b PE	-	04	08 50	b TC -
04	09	34	si VL	-	04	15	11	pi2 BI	-	04	16	30	pi2 TF	-	04	17 28	pi2 CM -
04	17	.	bp KV	-	04	20	55	pi2 BI	-	04	21	36	pi2 CM	-	04	22 41	pi2 BI -
04	23	35	bp BI	-	05	00	55	pi2 BI	-	05	09	05	bp TU	-	05	09 20	bp TC -
05	09	44	b PP	-	05	11	17	pc4 ST	-	05	11	28	pc4 ES	-	05	12 30	pc4 FR -
05	19	.	bp KV	-	05	20	20	pi2 BI	-	05	20	53	pi2 AQ	-	06	12 10	bp GN -
06	21	.	bp KV	-	07	11	40	pi2 HU	-	07	12	30	bps IR	-	07	13 15	pi2 HO -
07	14	05	b IR	-	07	16	27	bp TF	-	07	20	00	si CO	-	08	04 03	pi2 AC -
08	10	00	pc4 TF	-	08	10	15	pi2 CO	-	08	12	30	pi2 SI	-	08	19 32	pi2 CM -
08	19	49	pi2 TI	-	09	02	26	pi2 BI	-	09	02	40	pi2 SM	-	09	10 00	pi2 SI -
09	13	58	pi2 TO	-	10	00	00	pi2 TI	-	10	00 ..	bp KV	-	11	02 32	pc5 SM -	
11	03	00	pc4 TF	-	11	06	35	pc4+pc5AC-11	06	56	pi2 PP	-	11	19 ..	bp KV -		

TABLE 4 MINOR DISTURBANCES 1965 - continued
(MARCH)

d	h	m		d	h	m		d	h	m		d	h	m					
12	03	30	pi2 AC	-	12	05	45	si LG	-	12	06	43	pc5 AC	-	12	07	00	pc5 ES	-
12	07	15	pi2 TU	-	12	10	17	pi2 HU	-	12	14	35	pc4 FR	-	12	15	04	pc4 BI	-
12	18	32	bp CF	-	12	19	..	bp KV	-	12	23	17	ssc PP	-	13	00	55	bs HU	-
13	01	55	si AP	-	13	05	40	ssc TC	-	13	07	40	ssc ME	-	13	11	16	si MO	-
13	13	40	bp DU	-	13	14	20	bp IR	-	13	17	50	pc5 PP	-	13	19	45	pi2 FR	-
14	00	30	bs SU	-	14	03	00	pc4 TF	-	14	08	15	pi2 SI	-	14	11	38	ssc MA	-
14	12	52	pi2 TO	-	14	14	02	bs IR	-	14	23	00	bp KG	-	15	13	01	pi2 TO	-
15	16	00	pc4 SI	-	15	18	10	bp IR	-	15	18	50	pc4 FR	-	15	19	27	bp TF	-
16	01	20	pi2 BI	-	16	07	00	pi2 BI	-	16	09	00	pi2 PP	-	16	18	34	pi2 HU	-
16	21	43	bp OD	-	17	03	00	pc4 TF	-	17	09	35	pi2 HO	-	17	13	36	pi2 TE	-
17	14	23	bp TC	-	17	15	30	b SR	-	17	18	45	si ME	-	17	19	15	si ME	-
18	02	44	pi2 BI	-	18	04	20	pi2 FR	-	18	10	55	pi2 CO	-	18	16	30	pi2 TF	-
18	18	33	pi2 TR	-	19	00	52	pi2 BI	-	19	04	..	pc5 TR	-	19	06	12	pi2 PP	-
19	10	05	pg ES	-	19	10	30	si SM	-	19	12	44	pi2 BI	-	20	01	15	bp SM	-
20	01	55	pc4 BI	-	20	05	35	pc4 BI	-	20	06	00	pc4 TF	-	20	11	27	b TC	-
20	12	15	bp TO	-	20	18	23	si IR	-	21	00	00	pi2 MB	-	21	00	..	bp KV	-
21	02	28	pi2 BI	-	21	03	25	bps BI	-	21	04	35	pi2 FR	-	21	05	56	pi2 HU	-
21	08	10	pi2 TU	-	21	12	25	pi2 HO	-	21	13	13	pi2 BI	-	21	19	25	pc4 CO	-
21	20	41	bps BI	-	21	21	..	bp KV	-	21	22	..	bp KV	-	22	00	18	bp TK	-
22	04	40	bp SJ	-	22	06	10	pi2 HU	-	22	12	00	pi2 HU	-	22	12	31	ssc CO	-
22	18	18	ssc TC	-	22	22	..	bp KV	-	23	07	15	bp TE	-	23	07	..	ssc SW	-
23	15	40	bp IR	-	23	16	00	pc4 SI	-	23	17	40	bp PE	-	23	23	29	si TE	-
24	03	35	pi2 AC	-	24	07	20	b PP	-	24	08	45	bp TE	-	24	10	14	pi2 BI	-
24	11	12	pi2 BI	-	24	11	35	bp PM	-	24	13	58	si TL	-	24	18	00	pi2 TF	-
24	21	00	si TR	-	24	21	14	pi2 PE	-	24	21	26	pi2 LG	-	24	21	..	bp KV	-
24	22	30	ssc TC	-	25	03	21	pc4 TR	-	25	07	00	bp TE	-	25	09	59	pi2 BI	-
25	11	45	bp IR	-	25	13	08	pi2 BI	-	25	14	06	pi2 BI	-	25	16	00	pc4 SI	-
25	08	18	pi2 HU	-	25	19	18	si PP	-	26	09	48	pi2 BI	-	26	12	00	pc4 FR	-
26	14	55	pi2 BI	-	26	16	00	pc4 FR	-	26	19	20	pc5 PP	-	26	20	00	pc4 SI	-
27	00	..	bp KV	-	27	03	06	pi2 TE	-	27	04	40	pi2 HU	-	27	05	44	bp TE	-
27	07	19	pc4 ES	-	27	08	05	pc4 ST	-	27	08	25	pi2 BI	-	27	13	10	pc4 FR	-
27	18	18	pi2 TF	-	27	22	..	pc5 PP	-	28	02	03	bp BE	-	28	03	10	pi2 HU	-
28	04	..	pi2 TR	-	28	08	20	pi2 HU	-	28	09	45	pc4 SM	-	28	13	41	bp BI	-
28	16	49	pi2 TF	-	28	20	42	bp TF	-	28	23	..	pc5 TR	-	29	02	50	pi2 FR	-
29	03	50	pi2 TU	-	29	05	55	pc4 BI	-	29	09	46	pi2 HU	-	29	14	00	pi2 TO	-
29	16	25	pi2 BI	-	29	19	51	si CO	-	29	23	00	pc4 AM	-	30	03	16	pc4 BI	-
30	11	02	pi2 OD	-	30	15	25	pi2 BI	-	30	18	46	pi2 TF	-	30	23	12	bp BI	-
30	23	58	pi2 OD	-	31	00	56	pi2 IK	-	31	01	34	pi2 BI	-	31	02	00	pc5 PP	-
31	04	07	pi2 SM	-	31	10	00	pi2 HU	-	31	12	55	pg ME	-	31	16	37	pi2 BI	-
31	21	45	pi2 BI	-	31	23	50	pc4 BI	-										

APRIL

01	05	36	pc5 TR	-	01	06	00	pc4 TF	-	01	07	23	pc4 TE	-	01	08	00	pi2 BI	-
01	13	00	pc4 TE	-	01	20	05	pi2 BI	-	01	23	58	pi2 AQ	-	02	01	43	pc4 AC	-
02	02	08	pi2+pc5 TW	-	02	02	30	pc4 TE	-	02	03	50	pi2 HU	-	02	09	56	si HL	-
02	18	00	pi2 TF	-	02	19	55	pi2 BI	-	02	21	40	pi2 AQ	-	03	00	..	pc4 PP	-
03	02	20	pi2 SM	-	03	02	51	pi2 IK	-	03	03	15	pi2 FR	-	03	05	44	bps AG	-
03	10	28	pi2 PP	-	03	11	35	pi2 BI	-	03	13	05	pc4 BI	-	03	14	24	si MO	-
03	16	34	pi2 OD	-	03	18	51	pi2 CM	-	03	21	44	bp MW	-	03	23	18	pi2 EB	-
04	07	33	pi2 SI	-	04	13	35	si TC	-	04	13	55	si TC	-	04	20	55	pi2 BI	-
04	21	12	pi2 TF	-	05	02	12	pi2 TK	-	05	08	10	pc4 AC	-	05	11	00	pi2 HU	-
05	11	41	pi2 BI	-	05	12	20	pi2 TO	-	05	17	00	pi2 TF	-	05	20	12	pi2 TI	-
05	20	..	pc4 PP	-	05	21	..	bp KV	-	06	03	15	ssc IK	-	06	12	47	si IR	-
06	16	22	bps HB	-	06	19	00	bp TF	-	06	21	25	pi2 FR	-	06	22	08	pi2 TF	-
06	22	55	bp BI	-	06	23	43	bp BI	-	07	00	..	bp KV	-	07	04	02	si ME	-
07	23	00	pi2 BI	-	08	02	50	bps AG	-	08	13	35	pc4 AC	-	08	15	55	pi2 BI	-
08	17	00	pi2 TK	-	08	19	00	pi2 TF	-	08	22	36	pi2 PE	-	08	23	10	pi2 ST	-
08	23	24	bp LU	-	09	00	50	pi2 FR	-	09	01	44	pi2 TN	-	09	02	18	bp HB	-
09	03	22	b TI	-	09	06	52	bp PP	-	09	23	..	bp KV	-	10	02	50	pi2 OD	-
10	03	42	pi2 MB	-	10	19	30	pi2 OD	-	11	02	22	pc4 AC	-	11	04	00	pc4 TF	-
11	04	24	pc4 BI	-	11	12	03	pi2 CO	-	11	12	33	pi2 TO	-	11	15	19	ssc LG	-
11	19	..	bp KV	-	11	20	..	pc5 PP	-	12	07	14	pi2 ES	-	12	08	15	pi2 ES	-
12	08	48	pi2 BI	-	12	19	32	bp PP	-	12	21	45	bp IR	-	13	02	36	bp AC	-
13	06	15	pc4 CO	-	13	14	08	pi2 OD	-	13	14	55	pi2 GN	-	13	15	08	pi2 AC	-

TABLE 4 MINOR DISTURBANCES 1965 - continued
(APRIL)

d	h	m		d	h	m		d	h	m		d	h	m					
13	15	24	pi2 TK	-	13	18	10	pi2 TI	-	13	19	12	pi2 TF	-	13	20	59	pi2 BI	-
13	21	..	pc4 CO	-	13	22	45	pi2 BI	-	14	02	24	pi2 OD	-	14	08	30	pi2 SI	-
14	09	06	pc4 TE	-	14	10	30	pc4 TE	-	14	11	08	si HL	-	14	13	47	si HL	-
14	14	51	bp GN	-	14	15	10	bp IR	-	15	00	49	bp DB	-	15	22	53	pi2 CM	-
16	03	50	pi2 AG	-	16	04	58	bps HU	-	16	06	59	pi2 AC	-	16	20	17	pi2 ES	-
17	05	30	pi2 HU	-	17	12	40	pi2 TO	-	17	20	34	si TE	-	18	00	10	pc4 BI	-
18	04	16	bs BI	-	18	07	20	si TE	-	18	10	25	si TE	-	18	11	15	bp IR	-
18	14	45	bp IR	-	18	15	10	b TC	-	18	16	00	pc4 SI	-	18	19	..	bp KV	-
18	22	34	pi2 BI	-	18	23	42	bp WN	-	19	00	..	bp KV	-	19	07	00	pi2 SI	-
19	10	15	bp IR	-	19	15	08	b OD	-	19	15	30	bp KG	-	19	15	47	pi2 BI	-
19	16	..	bp KV	-	20	09	28	b PP	-	20	09	52	ssc HL	-	20	21	36	bp LU	-
20	21	..	pc4 CO	-	20	23	25	bps MA	-	20	23	48	bp BI	-	21	09	54	pi2 CO	-
21	14	00	pc4 FR	-	21	14	54	pc4 AC	-	21	15	10	pc5 TR	-	21	17	20	pi2 LG	-
21	18	20	pg CO	-	21	19	21	pi2 TF	-	22	03	31	pi2 AC	-	22	04	00	pi2 HU	-
22	04	28	pi2 HU	-	22	14	35	pi2 BI	-	22	23	..	bp KV	-	23	08	..	b PP	-
23	13	00	pi2 HU	-	23	17	01	pi2 OD	-	23	22	18	b AC	-	23	22	35	bps MA	-
23	22	55	bp TC	-	23	23	22	pi2 OD	-	24	00	05	pc4 TE	-	24	03	..	pc4 AC	-
24	08	36	pc4 TR	-	24	13	17	si MW	-	24	15	42	pi2 TK	-	24	17	..	bp KV	-
25	01	26	si HL	-	25	05	02	pg ES	-	25	06	55	pi2 TU	-	25	12	10	pi2 BI	-
25	15	00	pc5 SI	-	25	15	40	pc4 FR	-	25	18	36	pi2 BI	-	25	19	..	bp KV	-
26	11	00	b PP	-	26	15	00	pc5 SI	-	26	18	..	bp KV	-	26	21	18	bp TF	-
26	23	20	pi2 BI	-	27	13	10	pi2 BI	-	27	15	00	pc5 SI	-	27	16	30	pc4 FR	-
27	16	..	bp KV	-	27	17	00	bp TF	-	27	17	20	si AE	-	27	18	40	pc4 CO	-
27	23	40	pi2 OD	-	28	01	..	pc4 CO	-	28	03	00	pc4 TF	-	28	05	20	pc4 BI	-
28	05	45pc4+pc5TW	-	28	08	07	pi2 HU	-	28	08	..	pi2 PP	-	28	14	00	pc5 SI	-	
28	19	..	pc4 CO	-	28	22	24	pc4 TE	-	29	01	25	pi2 SJ	-	29	02	45	pi2 BI	-
29	03	20	pi2 PP	-	29	04	00	pc4 TF	-	29	05	20	bp PP?	-	29	09	12	pi2 LG	-
29	15	31	pg ME	-	29	16	..	bp KV	-	29	18	..	bp KV	-	30	03	18	pc5 TR	-
30	05	40	pi2 AC	-	30	06	20	pi2 TU	-	30	06	39	pc5 LU	-	30	13	49	pi2 TE	-
30	15	00	pc5 SI	-	30	17	..	pc5 CO	-	30	18	..	bp KV	-	30	19	25	pi2 TF	-
30	20	09	pi2 TF	-	30	22	..	bp KV	-	30	23	33	pi2 BI	-					

MAY

01	00	14	pi2 BI	-	01	06	07	pi2 HU	-	01	09	38	si HL	-	01	15	03	pi2 TO	-
01	16	00	pc5 SI	-	02	03	21	pi2 TE	-	02	14	32	pi2 MA	-	02	15	..	pc5 CO	-
02	17	..	pc4 PP	-	02	22	..	bp KV	-	02	23	..	bp KV	-	03	14	58	b TC	-
03	17	30	pc5 SI	-	04	05	10	pi2 BI	-	04	05	32	si AE	-	04	17	27	pi2 TF	-
05	00	00	pc4 PP	-	05	04	00	pc4 TE	-	05	05	10	b PP	-	05	10	20	b PP	-
05	16	40	bp IR	-	05	18	50	pi2 TK	-	05	21	46	b TC	-	06	02	40	bp HU	-
06	06	22pi2+pc4TW	-	06	06	49	pi2 PP	-	06	08	05	pi2 HO	-	06	13	06	bp IR	-	
06	14	00	pc4 FR	-	06	17	33	bp TF	-	06	20	03	bp TF	-	06	22	20	pi2 MB	-
06	23	..	bp KV	-	07	02	46	pi2 BI	-	07	05	00	pc4 TR	-	07	09	45	pi2 HO	-
07	19	..	bp KV	-	07	21	55	pc4 TU	-	08	09	44	b PP	-	08	10	35	si HL	-
08	10	..	ssc SW	-	08	11	10	pi2 BI	-	08	12	41	bp PM	-	08	15	13	pi2 TK	-
08	10	35	si HL	-	08	10	..	ssc SW	-	08	11	10	pi2 BI	-	08	12	47	bp PM	-
08	15	13	pi2 TK	-	08	17	32	si PP	-	08	17	45	pg BI	-	08	19	51	ssc TR	-
08	23	..	bp KV	-	09	00	16	bp TE	-	09	16	50	pi2 HU	-	09	17	06	pi2 TF	-
09	19	07	bs MB	-	09	20	..	bp KV	-	10	00	..	bp KV	-	10	08	00	b SR	-
10	09	46	bp AP	-	10	10	20	bp PP	-	10	17	50	bp TF	-	10	18	..	bp KV	-
10	20	12	bp TF	-	10	21	20	bp SU	-	11	00	03	pi2 AC	-	11	02	03	pi2 IK	-
11	03	00	pc4 TF	-	11	04	00	pc4 BI	-	11	11	50	pi2 HU	-	11	17	00	pc4 FR	-
11	18	00	pi2 OD	-	11	21	33	pi2 TF	-	12	01	17	pi2 OD	-	12	06	58	pi2 AC	-
12	08	04	pi2 CO	-	12	21	..	bp KV	-	12	23	..	bp KV	-	13	07	43	pc4 TE	-
13	14	50	pi2 MA	-	13	15	02	pc4 BI	-	13	23	..	bp KV	-	14	14	35	bp MA	-
14	20	00	pi2 TU	-	14	20	..	bp KV	-	14	21	..	pc4 CO	-	14	23	45	pc4 TU	-
15	00	00	pc4 AC	-	15	00	54	b LU	-	15	02	43	pi2 AC	-	15	02	..	bp KV	-
15	03	59	pi2 BI	-	15	05	03	pi2 AC	-	15	08	25	pi2 HO	-	15	09	27	pc5 TE	-
15	22	..	bp KV	-	15	23	57	ssc MA	-	16	07	25	bp IR	-	16	11	21	si TE	-
16	11	35	bp IR	-	16	12	07	bps TR	-	16	13	30	bps MA	-	16	13	41	si TE	-
16	14	00	bp IR	-	16	19	..	bp KV	-	16	21	00	pi2 OD	-	17	02	47	pi2 AC	-
17	03	24	pc5 TR	-	17	03	43	bp TC	-	17	03	58	pc4 ES	-	17	06	49	pg ES	-
17	07	10	pc5 SM	-	17	11	32	si HL	-	17	13	10	pc4 FR	-	17	15	10	si HL	-
18	00	28	si HL	-	18	03	00	pc4 TF	-	18	11	50	pi2 BI	-	18	15	20	si HL	-
19	02	48	si HL	-	19	03	30	pi2 BI	-	19	04	24	pc5 TE	-	19	06	24	pc5 LU	-

TABLE 4 MINOR DISTURBANCES 1965 - continued

(MAY)

d	h	m		d	h	m		d	h	m		d	h	m					
19	22	42	pi2 BI	-	20	01	12	si HL	-	20	03	21	si HL	-	20	03	50	pi2 HU	-
20	05	11	pi2 AC	-	20	07	56	bp PP	-	20	08	16	pi2 AC	-	20	20	57	si PP	-
20	23	04	pc5 LU	-	21	00	00	si CO	-	21	04	01	pc5 LU	-	21	20	..	bp KV	-
21	21	..	bp KV	-	22	01	26	bp OD	-	22	02	16	b LU	-	22	13	00	pi2 HU	-
22	17	04	ssc AE	-	22	18	00	pi2 TF	-	23	00	35	pc4 AC	-	23	03	48	pc4 TR	-
23	05	00	pc4 AC	-	23	07	06	pi2 AC	-	23	12	03	pc4 ES	-	23	12	20	pi2 HU	-
23	16	32	si TC	-	23	21	22	pi2 OD	-	23	23	..	bp KV	-	24	00	05	pi2 BI	-
24	01	50	pi2 BI	-	24	07	04	b PP	-	24	08	00	si HL	-	24	14	16	si HL	-
24	16	20	si HL	-	25	13	00	pi2 HU	-	25	13	56	pc4 TE	-	25	13	..	pc4 PP	-
25	14	10	pi2 BI	-	25	18	27	bp TC	-	26	01	50	pi2 MB	-	26	03	42	pc5 TR	-
26	04	43	pi2 AC	-	26	16	38	pi2 TK	-	26	18	..	pc5 PP	-	26	21	00	pc5 SI	-
27	03	35	pi2 BI	-	27	03	50	pi2 HU	-	27	06	07	pc4 AC	-	27	19	..	bp KV	-
27	22	32	bp TC	-	28	03	10	pc5 AC	-	28	04	00	pc4 TF	-	28	04	14	pi2 TE	-
28	04	..	pc4 PP	-	28	06	12	pi2 BI	-	28	09	58	bps PP	-	28	11	36	si HL	-
28	12	35	pi2 HO	-	28	15	45	si TC	-	28	16	10	pi2 TK	-	28	19	36	pi2 TR	-
29	09	20	pc5 LU	-	29	12	06	pi2 LU	-	29	12	20	si HL	-	29	12	40	si HL	-
29	19	..	pc5 PP?	-	29	21	27	bp TF	-	30	00	20	b TC	-	30	01	46	si DU	-
30	03	50	pc4 AC	-	30	09	44	pc5 PP	-	30	10	47	pi2 TE	-	30	14	27	si HL	-
31	00	10	pi2 FR	-	31	02	04	si HL	-	31	03	00	pc4 TF	-	31	08	12	pi2 TU	-
31	09	13	pi2 TE	-	31	09	32	pc4 PP	-	31	10	11	sfe BI?	-	31	21	05	pi2 IK	-
31	21	42	pi2 MA	-	31	21	..	pc4 PP	-										

JUNE

01	01	00	pi2 BI	-	01	03	00	pc4 TF	-	01	07	55	pi2 BI	-	01	09	03	pi2 TU	-
01	12	11	sfe BI?	-	01	16	50	pi2 TK	-	01	22	..	bp KV	-	02	00	00	pi2 SM	-
02	01	40	pi2 HU	-	02	02	48	pi2 MB	-	02	07	00	si HL	-	02	10	12	pc4 PP	-
02	11	33	b TC	-	02	12	24	pi2 TK	-	02	14	..	bp KV	-	02	16	30	pc5 SI	-
02	17	17	b TC	-	02	22	00	pc5 PP	-	02	22	19	si TE	-	02	22	44	si TE	-
02	23	00	si PR	-	03	03	20	ssc TI	-	03	06	43	pi2 AC	-	03	07	31	pi2 SJ	-
03	11	47	pi2 TO	-	03	12	20	ssc TN	-	03	20	20	si AC	-	03	22	..	bp KV	-
04	01	45	b HU	-	04	10	27	ssc TC	-	04	10	40	bp IR	-	05	00	28	pi2 TE	-
05	03	45	pi2 TW	-	05	11	51	pi2 BI	-	05	17	20	pi2 OD	-	05	18	34	pc4 PP	-
05	19	00	pc4 SI	-	05	19	30	pi2 HU	-	06	04	14	bp TU	-	06	04	33	pc5 TR	-
06	05	21	si PP	-	06	13	43	bp DU	-	07	06	23	ssc MA	-	07	11	10	pi2 OD	-
07	12	26	pi2 CO	-	07	12	44	pi2 TO	-	08	01	14	pi2 SM	-	08	04	11	ssc TF	-
08	06	10	ssc TN	-	08	09	30	bp AP	-	08	14	39	ssc DB	-	08	15	..	ssc SW	-
08	19	..	bp KV	-	08	21	09	ssc TR	-	09	16	30	bs IR	-	09	21	..	bp KV	-
10	02	21	pc4 TW	-	10	04	00	pc4 TE	-	10	10	52	si HL	-	10	14	00	pi2 HU	-
10	16	..	pc4 CO	-	10	19	15	pi2 TF	-	11	04	33	pc4 TE	-	11	05	10	pi2 TU	-
11	05	33	si HL	-	11	16	20	b TC	-	12	07	18	pc4 TE	-	12	13	35	pi2 TO	-
12	14	17	pi2 BI	-	12	15	24	pi2 AC	-	12	21	24	pi2 TF	-	13	08	45	pi2 CO	-
13	10	59	pi2 MB	-	13	16	38	pi2 TK	-	14	07	49	si HL	-	14	08	39	ssc TF	-
14	10	30	si PP?	-	14	12	..	ssc SW	-	14	16	55	ssc TC	-	14	17	52	si LG	-
14	20	15	bp IR	-	15	05	58	pi2 HU	-	15	06	27	pi2 AC	-	15	08	38	pi2 AC	-
15	13	40	bp IR	-	15	16	20	b IR	-	15	18	10	bp WK	-	15	18	29	si SO	-
15	18	..	bp KV	-	15	20	44	si SO	-	15	21	56	si SO	-	15	21	..	bp KV	-
15	22	..	bp KV	-	16	00	34	bs BI	-	16	00	..	bp KV	-	16	01	30	si TE	-
16	02	08	si PP	-	16	02	22	si TE	-	16	02	..	bp KV	-	16	07	03	si TE	-
16	07	33	si PP	-	16	11	..	bp KV	-	16	13	22	ssc LM	-	16	14	43	si CF	-
16	15	..	bp KV	-	16	16	24	si ES	-	16	17	10	bps IR	-	16	19	..	bp KV	-
16	21	45	ssc AG	-	16	22	..	bp KV	-	17	00	..	bp KV	-	17	13	24	bp PP	-
17	13	37	bp DU	-	17	14	50	b IR	-	17	23	16	bp MO	-	18	00	36	si TE	-
18	00	..	bp KV	-	18	12	00	pc4 BI	-	18	15	15	bp TF	-	19	19	24	pi2 BI	-
18	21	..	bp KV	-	18	23	30	pi2 BI	-	19	00	13	pi2 AC	-	19	00	58	pc4 PP	-
19	02	45	pc4 BI	-	19	03	00	pc4 TF	-	19	03	12	pi2 WK	-	19	03	35	pc4 TO	-
19	08	00	pc4 FR	-	19	17	00	pc4 SI	-	19	17	50	pc4 PP	-	20	06	40	pc4 TO	-
20	07	24	pc4 BI	-	20	08	25	pi2 CO	-	20	17	..	pc4 PP	-	20	18	15	pi2 TF	-
20	23	45	pi2 AG	-	21	02	30	pc4 AM	-	21	12	00	pi2 HU	-	21	16	47	pi2 GN	-
21	17	35	pi2 BI	-	21	23	10	pi2 PE	-	22	01	08	pi2 SM	-	22	10	37	bp TO	-
22	18	34	pi2 TN	-	22	19	32	pi2 TN	-	22	23	..	bp KV	-	23	01	35	pi2 CF	-
23	01	50	pi2 TU	-	23	06	36	pc4 AC	-	23	12	30	pi2 HU	-	23	17	00	pc5 SI	-
24	00	08	pi2 BI	-	24	00	37	pi2 SM	-	24	05	20	pi2 HU	-	24	06	30	pc4 PP	-
24	11	50	pi2 HU	-	24	13	10	pi2 HU	-	24	15	15	si AC	-	24	18	54	pi2 TN	-
24	20	..	bp KV	-	25	00	10	pi2 BI	-	25	02	45	pi2 FR	-	25	03	00	pc4 TF	-

TABLE 4 MINOR DISTURBANCES 1965 - continued

(JUNE)

d	h	m		d	h	m		d	h	m		d	h	m		
25	05	12	pi2 TE	-	25	05	48	si AE	-	25	11	48	si HL	-	25	14 .. ssc SW -
25	15	18	bp DU	-	25	15	40	bp PM	-	25	16	20	bs IR	-	25	17 13 ssc TC -
25	17	40	b IR	-	25	20	41	bp CF	-	26	00	00	pc4 AC	-	26	03 17 pi2 HU -
26	03	29	pi2 AC	-	26	09	30	pc4 AC	-	26	10	40	pi2 HO	-	26	11 45 pi2 BI -
26	16	27	pi2 TK	-	26	17	02	si TC	-	26	17 ..	..	pc4 PP	-	26	19 00 si LG -
26	19	56	pi2 CF	-	26	20	13	bp WK	-	26	20 ..	..	bp KV	-	26	22 27 pi2 BI -
26	23	25	bps MW	-	27	00	00	pc4 PP	-	27	02	39	pc4 AC	-	27	06 28 bp PP -
27	09	08	pi2 SI	-	27	12	37	pc4 AC	-	27	17	00	pi2 BI	-	27	18 00 pc4 SI -
27	18	20	pi2 HO	-	27	19 ..	..	pc4 CO	-	27	20	40	pc4 TU	-	27	22 00 pi2 BI -
28	00	16	pi2 AC	-	28	02	40	pi2 TW	-	28	04	36	ssc TC	-	28	10 17 pi2 MT -
28	10	35	pi2 HO	-	28	19	45	pi2 CM	-	29	04	13	pi2 BI	-	29	08 32 pc4 LG -
29	11	15	pc4 BI	-	29	11	46	si MO	-	29	12	00	pi2 HO	-	29	12 32 si MO -
29	17	00	pc4 FR	-	29	19	44	pi2 TF	-	29	22 ..	..	ssc TR	-	30	00 00 pc4 PP -
30	00	30	pc4 BI	-	30	10	12	b SR	-	30	10	45	bp IR	-	30	13 00 bp IR -
30	14	20	bp IR	-	30	15 ..	..	pc5 PP	-	30	20	54	bps LG	-		

JULY

01	00	22	bp TL	-	01	04	34	pi2 AC	-	01	07	06	pi2 TU	-	01	07 56 b PP -
01	08	28	b TE	-	01	09	07	pi2 BI	-	01	11	44	bp DU	-	02	02 15 pi2 AC -
02	05	00	si HL	-	02	08	55	pi2 SI	-	02	10	37	pc4 AC	-	02	13 20 bp IR -
02	15	26	bp WK	-	02	18	10	pc4 FR	-	02	23	55	bp BI	-	03	00 06 si HL -
03	00	24	bp SM	-	03	05	57	pi2 TW	-	03	09	39	pi2 CO	-	03	12 55 pi2 CO -
03	17	54	pi2 BI	-	03	20 ..	..	pc4 PP	-	04	03	00	pc5 SI	-	04	04 24 pc4 AC -
04	04 ..	..	pi2 PP	-	04	05	12	si BE	-	04	05	34	pc4 TW	-	04	06 21 pc4 TR -
04	09	58	pi2 CO	-	04	15	36	si TC	-	04	22	32	pi2 FR	-	05	03 25 si SU -
05	05	20	si BE	-	05	10	32	si HL	-	06	00	00	pi2 MB	-	06	02 28? ssc HB -
06	04	22	ssc TR	-	06	06	45	si TE	-	06	09	00	si TE	-	06	11 10 bps IR -
06	12	10	bp DU	-	06	12	35	bp IR	-	06	21	48	pi2 BI	-	06	22 53 bp BI -
07	02	14	sfe PP?	-	07	02	56	pc4 BI	-	07	16	48	si LG	-	07	19 14 bp BI -
08	02	00?	bp HB	-	08	15	00	pc4 SI	-	08	17	38	bp DU	-	08	18 40 bp WK -
08	22	46	pi2 LG	-	08	23	40	bs WN	-	09	00	41	b IK	-	09	00 .. bp KV -
09	05	32	pi2 TR	-	09	20	40	pc4 AC	-	09	20	54	pc4 FR	-	10	08 03 si ME -
10	15	00	pc4 SI	-	10	16	25	bps IR	-	10	17	27	pi2 BI	-	11	03 00 pi2 TF -
11	03	15	pi2 BI	-	11	12	57	si HL	-	11	13	32	pc4 AC	-	11	14 20 pi2 HU -
11	17	00	pc4 FR	-	11	17	14	pi2 TK	-	11	19 ..	..	pc4 CO	-	11	21 47 pi2 BI -
11	23	25	pi2 BI	-	12	01	14	pi2 ES	-	12	06	47	pi2 BI	-	12	11 12 pi2 TK -
12	14	02	pi2 FR	-	12	20 ..	..	bp KV	-	12	22	32	si TE	-	13	04 45 pi2 TE -
13	10	00	bp PP?	-	13	10	20	pi2 HO	-	13	18	10	pi2 OD	-	14	00 25 si HL -
14	04	42	pc5 TE	-	14	18 ..	..	pc5 CO	-	15	06 ..	..	pi2 PP	-	15	18 05 bp IR -
15	23 ..	..	bp KV	-	16	03	16	pi2 BI	-	16	04	48	pc4 AC	-	16	06 32 pc4 AC -
16	06	52	pc4 TW	-	16	23	26	pi2 AC	-	17	20	12	si KS	-	17	21 .. pc4 CO -
18	02	14	pi2 AC	-	18	02	47	pc4 AC	-	18	03 ..	..	pc4 PP	-	18	09 32 ssc TE -
18	19 ..	..	bp KV	-	18	21	30	pi2 AM	-	18	23	50	pi2 SM	-	19	02 18 si MO -
19	15	45	bp IR	-	19	19 ..	..	bp KV	-	19	20 ..	..	bp KV	-	20	00 30 pi2 TW -
20	02	43	pi2 AC	-	20	08 ..	..	pi2 PP	-	20	14 ..	..	pc4 AC	-	20	16 53 pi2 GN -
20	18	32	ssc TR	-	21	01	43	bp CF	-	21	07	05	si MW	-	21	07 44 si MW -
21	07 ..	..	b PP?	-	21	14	20	si AE	-	21	23	19	pi2 TF	-	22	05 48 pi2 TW -
22	06	04	pi2 PP	-	22	06	20	si HL	-	22	06	57	pi2 TW	-	22	11 00 pi2 HU -
22	20	50	pc5 CO	-	22	22 ..	..	pc4 SI	-	23	00	24	si HL	-	23	03 14 pc4 TW -
23	03	30	pc4 TE	-	23	04	20	pi2 PP	-	23	08	26	si LG	-	23	12 56 pc4 AC -
23	13	13	ssc TR	-	23	18	40	bp KG	-	24	01	36	si TC	-	24	03 55 pi2 TU -
24	10	05	bp TO	-	24	10	26	si KS	-	24	10	40	bp IR	-	24	14 00 bps IR -
24	18	12	bp TF	-	24	19 ..	..	bp KV	-	25	02	21	pi2 AC	-	25	08 44 bp PP? -
26	04	32	pi2 CO	-	26	07	00	pc5 TR	-	26	16	11	pi2 OD	-	26	17 30 pi2 TR -
26	17	42	pi2 TK	-	27	05	20	bp HU	-	27	08	55	pi2 IR	-	27	11 50 bp IR -
27	20 ..	..	bp KV	-	27	23	59	bp CF	-	28	02	48	pi2 AC	-	28	05 19 pi2 AC -
28	08	57?	pg ST	-	28	19	53	bp TF	-	28	19 ..	..	pc5 PP	-	29	03 12 pi2 AC -
29	03	48	pi2 AC	-	29	13	10	pc4 FR	-	29	13 ..	..	ssc SW	-	29	14 40 bp IR -
29	15	48	bp WK	-	29	16	42	bp WK	-	29	18	30	b SF	-	29	19 41 bps WK -
29	20	50	pi2 EB	-	30	03	57	pc4 TR	-	30	16	26	pc4 AC -	-		

TABLE 4 MINOR DISTURBANCES 1965 - continued

AUGUST

d	h	m		d	h	m		d	h	m		d	h	m					
01	08	24	pi2 AC	-	01	14	42	ssc CM	-	01	14	..	pc5 CO	-	01	17	25	ssc SF	-
01	17	43	ssc SF	-	01	17	..	ssc PP	-	01	22	28	bps VL	-	02	04	..	pc5 PP	-
02	05	51	si TE	-	02	09	16	pc4 AC	-	02	09	55	pc4 HO	-	02	13	20?	b MB	-
02	18	36	si TC	-	02	19	24	si TR	-	02	19	40	bp OD	-	02	20	..	bp KV	-
02	23	14	pi2 FR	-	03	00	00	pc4 AC	-	03	02	56	pc4 TR	-	03	16	20	pi2 GN	-
03	20	..	bp KV	-	04	00	00	pi2 MA	-	04	05	05	pi2 AC	-	04	11	52	pc4 AC	-
04	18	17	pi2 OD	-	04	21	45	si TR	-	06	04	02	pi2 MB	-	07	00	50	pc4 PP	-
07	05	50	pi2 PP	-	07	11	50	pi2 HO	-	07	14	35	pc4 PP	-	07	21	35	pc4 SI	-
08	00	40	pc4 PP	-	08	05	30	pi2+pc4 TW-08	-	06	10	00	pi2 TI	-	08	08	00	pc4 SM	-
08	14	58	bp TO	-	08	20	..	bp KV	-	09	00	45	pc4 AC	-	09	03	24	pc4 TR	-
09	07	10	pc4 PP	-	09	08	32	pi2 CO	-	09	09	19	pc4 AC	-	09	10	00	ssc SW	-
09	14	36	ssc TC	-	09	22	15	pc4 CO	-	10	02	..	pc5 SI	-	10	04	12	pi2 TE	-
10	09	36	pc4 TE	-	10	10	07	pi2 PP	-	10	16	09	bps GN	-	10	20	16	pc4 FR	-
11	00	..	bp KV	-	11	01	54	pi2 TW	-	11	03	06	pi2 TW	-	11	06	38	pc4 TW	-
11	09	48	si LU	-	11	16	39	pi2 TK	-	11	19	22	pi2 NI	-	11	20	36	pc4 FR	-
11	22	45	pc5 CO	-	12	00	..	bp KV	-	12	04	10	pi2 AC	-	12	06	56	bp PP	-
12	13	33	pi2 CO	-	12	18	17	pi2 OD	-	12	19	50	pi2 TI	-	12	20	..	bp KV	-
12	23	..	bp KV	-	13	02	30	bp MW	-	13	15	08	pg ME	-	13	17	..	pc4 PP	-
13	22	..	pc5 SI	-	14	01	32	pi2+pc4 TW-14	-	05	45	pc4 TR	-	14	09	..	pi2 PP	-	
14	12	20	bp IR	-	15	02	40	b PP	-	15	06	..	pi2 PP	-	15	19	36	si TN	-
16	00	..	bp KV	-	16	02	59	pc5 LU	-	16	07	30	bs IR	-	16	07	..	pc5 PP	-
16	08	30	pi2 BI	-	16	12	20	pc5 PP	-	16	18	..	bp KV	-	16	21	..	bp KV	-
17	00	00	pc4 PP	-	17	06	44	pi2 TW	-	17	10	05	bp OD	-	17	11	30	bp IR	-
17	22	..	bp KV	-	18	14	53	pg LE	-	18	17	..	pc5 PP	-	18	21	30	bp IR	-
18	22	51	si TE	-	19	00	40	pc4 PP	-	19	01	16	bps BI	-	19	01	..	bp KV	-
19	04	26	pi2 AC	-	19	05	36	b PP	-	19	08	10	pi2 HO	-	19	08	40	pi2 SI	-
19	19	50	b BI	-	19	19	..	bp KV	-	19	21	40	bp IR	-	20	18	30	bp WK	-
20	19	..	bp KV	-	20	22	..	pc5 PP	-	20	23	..	bp KV	-	21	00	24	bp NI	-
21	01	..	bp KV	-	21	03	00	pc4 AC	-	21	07	45	pi2 PP	-	21	12	30	b IR	-
21	14	00	pc5 SI	-	21	16	13	pi2 TF	-	21	20	48	pi2 PE	-	22	03	18	pi2 TW	-
22	05	50	pi2 PP	-	22	16	10	bp OD	-	22	20	58	bps LG	-	22	22	41	bp WN	-
23	17	..	pc4 PP	-	23	18	..	bp KV	-	23	18	..	pc4 SI	-	23	20	44	ssc SO	-
24	02	00	bp LU	-	24	03	52	pi2 FR	-	24	08	10	pi2 PP	-	24	19	..	pc4 PP	-
24	20	27	b TC	-	24	22	30	b MC	-	24	23	10	bp BI	-	24	23	54	pc4 AC	-
25	02	35	bp BI	-	25	03	00	pc4 TF	-	25	03	16	pi2 PP	-	25	04	51	pi2 AC	-
25	05	48	bp PP	-	25	08	20	pi2 HO	-	25	14	..	pc5 PP	-	25	16	10	bs IR	-
25	19	..	bp KV	-	25	23	26	bp MW	-	26	00	25	bp MC	-	26	12	30	pc4 AM	-
26	13	25	si AE	-	26	14	50	pc4 AC	-	26	15	22	pi2 BI	-	26	22	09	pi2 BI	-
26	23	07	pi2 OD	-	27	01	50	bp VL	-	27	03	00	pi2 AC	-	27	05	00	pc5 TR	-
27	09	56	pi2 PP	-	27	10	17	pi2 MT	-	27	14	30	pi2 TN	-	27	20	50	pc4 CO	-
27	22	34	bp IK	-	27	23	12	pi2 TF	-	28	00	24	bp BI	-	28	00	..	bp KV	-
28	03	32	bp MC	-	28	18	00	pi2 TF	-	29	02	30	bp SM	-	29	06	39	pc5 TR	-
29	16	00	pi2 TK	-	29	16	12	pi2 TF	-	29	16	50	pi2 TK	-	29	20	..	bp KV	-
30	02	..	bp KV	-	30	12	48	pi2 HU	-	30	13	31	si AE	-	30	14	45	pi2 CO	-
30	17	40	pi2 PP	-	30	19	20	bp IR	-	31	04	45	bp LU	-	31	04	..	pi2 PP	-
31	18	55	pi2 CM	-	31	19	24	pi2 TF	-	31	19	50	pi2 OD	-	31	20	..	bp KV	-
31	23	54	pi2 AC	-															

SEPTEMBER

01	00	05	pc4 AC	-	01	04	32	pc4+pi2 AC	-	01	05	02	bp VI	-	01	05	25	bp PP	-
01	14	30	b IR	-	01	17	55	bp IR	-	01	21	26	pi2 LG	-	02	04	06	pc4 TE	-
02	10	45	pi2 SI	-	02	15	45	si LG	-	02	20	..	bp KV	-	02	22	..	bp KV	-
03	07	21	pi2 TE	-	03	15	15	ssc CO	-	03	17	51	ssc LG	-	03	20	50	ssc BI	-
03	21	15	pi2 ST	-	03	22	27	si DU	-	04	04	00	pc4 TF	-	04	04	30	pc4 TE	-
04	05	57	ssc LG	-	04	10	03	pi2 LU	-	04	10	40	si BI	-	04	11	30	bp DU	-
04	11	48	pi2 SJ	-	04	12	15	pc5 FR	-	04	13	06	bp MO	-	04	15	..	pc5 SI	-
04	23	44	bp EB	-	05	00	01	ssc TF	-	05	03	32	pi2 TI	-	05	04	00	bps AG	-
05	10	31	bp TC	-	05	11	00	pi2 SI	-	05	15	45	si LG	-	05	17	21	pi2 TF	-
05	19	..	bp KV	-	05	20	33	si LG	-	05	20	..	bp KV	-	05	22	..	bp KV	-
06	01	05	bp BI	-	06	01	24	pc4 TF	-	06	02	..	pc4 AC	-	06	06	27	pc4 TE	-
06	09	02	pc4 ST	-	06	12	37	si LU	-	06	21	20	pc5 PP	-	06	23	15	si TE	-
07	04	03	pi2 SM	-	07	07	00	pc5 PP	-	07	16	..	bp KV	-	07	22	..	bp KV	-
07	23	55	pi2 MB	-	07	23	..	bp KV	-	08	01	54	pi2 AC	-	08	02	08	pi2 TW	-
08	02	20	pi2 MB	-	08	02	55	pi2 HU	-	08	06	30	pi2 AC	-	08	07	55	pi2 FR	-

TABLE 4 MINOR DISTURBANCES 1965 - continued
(SEPTEMBER)

d	h	m		d	h	m		d	h	m		d	h	m					
08	08	30	pi2 PP	-	08	09	35	pc4 ST	-	08	10	50	pi2 HU	-	08	11	15	pi2 CO	-
08	11	33	pi2 TO	-	08	17	39	pi2 OD	-	08	18	53	pi2 CM	-	08	21	42	si TR	-
09	12	10	pi2 HU	-	09	15	40	sfe LG?	-	10	02	34	pi2 BI	-	10	04	48	pc4 TR	-
10	10	36	pc5 TE	-	10	11	10	pi2 HO	-	10	18	20	pc4 FR	-	10	18	34	pi2 OD	-
10	20	48	pi2 AQ	-	10	22	28	si CO	-	10	22	..	bp KV	-	11	01	25	pi2 SM	-
11	06	34	si GN	-	11	09	25	pi2 CO	-	11	10	04	bp PP	-	11	22	18	si PP	-
11	22	..	pc4 SI	-	12	00	07	pi2 AC	-	12	00	40	bs BI	-	12	00	..	bp KV	-
12	09	15	si BI	-	12	12	00	pi2 HO	-	12	16	10	ssc TF	-	12	17	10	ssc TF	-
12	18	02	ssc TF	-	13	14	09	ssc TF	-	13	19	58	pi2 AC	-	14	19	..	bp KV	-
14	20	..	bp KV	-	14	22	..	bp KV	-	15	00	05	b SU	-	15	14	22	ssc TR	-
15	18	..	bp KV	-	15	18	..	pc4 SI	-	15	19	59	ssc SO	-	15	21	..	bp KV	-
15	23	51	bp MO	-	16	00	03	bp TC	-	16	02	30	bs AG	-	16	02	43	si TE	-
16	04	55	si PM	-	16	05	39	ssc LM	-	16	10	25	pi2 MT	-	16	11	17	bp DU	-
16	13	24	si LG?	-	16	15	30	bp IR	-	16	17	30	pc5 PP	-	17	06	55	pi2 PP	-
17	07	15	pi2 SI	-	17	07	45	pi2 HO	-	17	08	08	bp PP	-	17	14	09	bp TF	-
17	18	42	bp TF	-	17	19	55	b IR	-	17	20	44	bp EB	-	17	20	55	bp TC	-
18	03	14	pc4 AC	-	18	08	25	pi2 HO	-	18	11	40	si LG?	-	18	12	50	ssc TF	-
18	13	..	ssc SW	-	18	14	05	bp IR	-	18	17	48	bps LG	-	18	20	15	bp WN	-
18	22	..	bp KV	-	19	03	08	bs HU	-	19	03	36	pi2 AC	-	19	07	06	b SR	-
19	09	21	si LU	-	19	11	23	si FU	-	19	16	00	b SR	-	19	17	30	bps FU	-
19	18	10	pc5 PP	-	19	18	47	bp KG	-	19	18	..	bp KV	-	19	21	..	bp KV	-
20	02	54	ssc TF	-	20	10	10	pc4 ST	-	20	14	47	pc4 TR	-	20	17	..	bp KV	-
20	21	48	pi2 EB	-	21	00	27	pi2 AC	-	21	00	48	pi2 TW	-	21	08	20	pi2 HO	-
21	12	45	bp DB	-	21	15	38	pi2 CM	-	21	17	00	pi2 TF	-	21	18	16	bp OD	-
21	20	51	bp TF	-	22	04	17	ssc LM	-	22	05	40	pi2 PP	-	22	06	18	pi2+pc4TW	-
22	10	20	ssc TF	-	22	13	41	pc4 AC	-	22	15	38	pi2 AC	-	22	20	42	pi2 TF	-
22	23	22	pi2 TN	-	22	23	..	bp KV	-	23	10	20	si LG	-	23	13	00	bp TC	-
23	13	30	pi2 HO	-	23	13	..	pc4 SI	-	23	20	..	bp KV	-	23	22	40	pi2 OD	-
23	23	50	bp CF	-	24	01	11	pi2 TW	-	24	04	..	pc4 ES	-	24	05	..	bp PP	-
24	06	08	pi2 AC	-	24	07	35	pi2 HO	-	24	09	00	pc4 NI	-	24	09	30	pc4 ST	-
24	12	00	pc4 FR	-	24	12	50	pi2 HU	-	24	13	39	pc5 TE	-	24	17	45	pc4 FR	-
25	00	38pi2+pc4TW	-	25	00	..	pc4 AC	-	25	01	10	bp CF	-	25	01	40	bp SM	-	
25	09	55	pi2 HO	-	25	14	32	pi2 TK	-	25	16	10	b IR	-	25	17	..	bp KV	-
25	21	..	bp KV	-	25	23	28	sfe PP?	-	25	23	49	pi2 AC	-	26	01	36	si HL	-
26	03	35	pi2 HU	-	26	04	..	bp KV	-	26	06	43	pc4 TR	-	26	09	40	pi2 SI	-
26	12	42	pi2 GN	-	26	12	55	bps IR	-	26	16	54	bp TF	-	26	19	..	bp KV	-
26	22	31	si LG	-	26	23	17	bps VL	-	27	01	43	pi2 TW	-	27	09	07	ssc AG	-
27	11	22	ssc PP	-	27	12	03	si LG?	-	27	12	42	ssc LG	-	27	17	..	bp KV	-
27	19	03	ssc SO	-	27	19	30	bps IR	-	27	22	40	b MB	-	28	00	20	b HU	-
28	00	51	bps TE	-	28	06	30	si TE	-	28	07	13	si TC	-	28	08	05	pi2 HO	-
28	18	25	bp NU	-	28	20	57	bp TF	-	29	00	03	ssc LU	-	29	04	05	pi2 TW	-
29	04	38	pi2 TW	-	29	05	13	pi2 TW	-	29	13	00	pc4 TR	-	29	15	50	si LG	-
29	23	10	b SU	-	29	23	..	bp KV	-	30	02	37	pi2 AC	-	30	04	00	pi2 TU	-
30	11	05	pc4 TR	-	30	12	00	pi2 FR	-										

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01	12	50	pi2 OD	-	01	15	33	pi2 TF	-	01	22	00	bp TF	-	02	01	06	bps MW	-
02	01	17	bp AG	-	02	11	24	si HL	-	02	11	45	pi2 HO	-	02	12	43	si TC	-
02	18	10	pi2 TF	-	02	21	19	si LE	-	02	21	53	bp BI	-	03	00	..	pc5 CO	-
03	03	32	pi2 TW	-	03	07	05	pc4 TE	-	03	07	09	pi2 PP	-	03	07	45	pi2 HO	-
03	17	07	pi2 TF	-	03	20	56	bp DB	-	03	21	33	pi2 TF	-	04	01	14	ssc SJ	-
04	17	18	pc4 FR	-	05	02	00	pc5 TR	-	05	02	20	ssc GU	-	05	07	30	bp IR	-
05	09	35	si LG	-	05	12	29	b TC	-	07	14	00	pc4 SI	-	07	23	21	si TE	-
07	23	47	si TE	-	08	00	28	si TE	-	08	02	00	si WK	-	08	02	20	ssc IR	-
08	02	51	si TE	-	08	03	10	pc4 BI	-	08	04	04	si TE	-	08	04	26	pg IK	-
08	04	57	si TE	-	08	05	26	si TE	-	08	09	46	si EB	-	08	14	48	bps BI	-
08	15	19	si HL	-	08	20	10	pi2 BI	-	08	20	..	bp KV	-	08	22	20	bp BI	-
09	02	05	bp BI	-	09	04	38	pi2 TW	-	09	10	06	si HL	-	09	13	45	pc4 FR	-
09	14	08	pi2 ES	-	09	14	36	si HL	-	09	21	36	bp MC	-	09	22	03	bp TC	-
10	01	05	bp MC	-	10	04	31	pi2 TW	-	10	08	51	pi2 TW	-	10	09	28	b SR	-
10	17	51	pi2 TK	-	11	04	34	pc5 TE	-	11	05	05	pc4 TW	-	11	09	59	ssc TF	-
11	17	39	pi2 TK	-	11	20	..	bp KV	-	11	22	56	pi2 OD	-	12	01	22	pi2 PE	-
12	02	27	pi2 TF	-	12	08	34	pc4 TW	-	12	08	48	pc4 TE	-	12	09	00	pc4 FR	-
12	16	..	bp KV	-	12	18	03	pi2 OD	-	12	19	..	pc4 CO	-	13	02	..	bp KV	-

TABLE 4 MINOR DISTURBANCES 1965 - continued
(OCTOBER)

d	h	m		d	h	m		d	h	m		d	h	m					
13	04	12	pc4 TR	-	13	05	00	pi2 HU	-	13	16	00	pc4 FR	-	13	16	12	ssc TF	-
13	17	25	bp KG	-	13	19	27	bp TF	-	14	01	27	pi2 TE	-	14	14	14	pi2 HU	-
14	22	29	pi2 TF	-	15	00	46	pi2 PE	-	15	05	33	pi2 TR	-	15	10	00	pc4 FR	-
15	10	15	pg LE	-	15	12	35	pc4 BI	-	15	13	00	pi2 HU	-	15	19	00	pi2 TF	-
15	23	35	pi2 BI	-	16	05	50	pi2 PP	-	16	07	05	pi2 BI	-	16	11	40	pi2 TO	-
16	18	27	pi2 CM	-	16	18	..	bp KV	-	16	20	00	pc4 FR	-	16	20	25	pc4 CO	-
16	23	46	pi2 OD	-	17	00	27	pc5 LU	-	17	21	..	pc4 SI	-	17	22	10	pi2 BI	-
18	01	31	si TN	-	18	04	50	pi2 BI	-	19	12	36	pc4 TE	-	19	14	00	pc4 FR	-
19	16	..	bp KV	-	20	05	06	pc4 TE	-	20	05	20	pc4 PP	-	20	05	50	pi2 TU	-
20	06	24	pc4 TE	-	20	09	40	pi2 HO	-	20	17	30	pi2 TF	-	20	18	00	pc4 FR	-
20	20	30	pi2 TF	-	21	03	53	pc5 LU	-	21	06	31	pi2 PP	-	21	16	43	si TF	-
21	17	30	pi2 TF	-	21	21	17	pi2 TF	-	21	23	32	pi2 BI	-	22	01	00	ssc BI	-
22	01	47	ssc HU	-	22	04	47	si LU	-	22	11	55	si CM	-	22	15	42	pc4 BI	-
22	20	..	pc4 SI	-	23	10	03	ssc BI	-	23	15	42	pi2 BI	-	23	18	23	pi2 TF	-
23	18	45	pi2 BI	-	23	19	45	bp IR	-	23	20	15	pi2 BI	-	23	21	..	bp KV	-
24	04	01	pi2 TW	-	24	14	50	b WN	-	24	15	..	bp KV	-	24	18	08	bp HA	-
25	06	56	si LG	-	25	08	45	pi2 SI	-	25	11	10	si IR	-	25	14	00	bp OD	-
25	23	46	pi2 MB	-	26	00	00	pi2 MB	-	26	01	14	pi2 MB	-	26	07	20	pi2 CO	-
26	08	05	pi2 HO	-	26	12	50	pc4 BI	-	26	15	19	pc4 BI	-	26	18	00	pi2 TF	-
26	23	55	pi2 CF	-	27	00	..	bp KV	-	27	14	55	pi2 BI	-	27	15	39	pi2 CM	-
27	19	24	pi2 TF	-	27	20	24	pi2 BI	-	28	00	15	bp EB	-	28	00	..	bp KV	-
28	12	00	si IR	-	28	12	..	bp KV	-	28	15	50	pc4 FR	-	28	16	38	bp BI	-
28	18	03	bp NU	-	28	18	17	bp TF	-	28	20	00	pi2 OD	-	28	21	30	pc4 AM	-
28	21	..	bp KV	-	28	22	00	pc4 SI	-	29	00	10	bp BI	-	29	03	00	pc4 TF	-
29	05	01	pi2 HU	-	29	07	36	sfe LG?	-	29	16	20	pc5 CO	-	29	18	53	pi2 CF	-
29	21	45	bp TL	-	29	21	..	pc5 CO	-	29	22	..	bp KV	-	29	23	..	bp KV	-
30	01	..	pc5 PP?	-	30	04	00	pc4 TF?	-	30	04	12	pi2+pc4 TW-30	05	36	pc4 BI	-		
30	09	47	bp AP	-	30	15	09	pc4 TE	-	30	15	35	pc4 FR	-	30	16	15	pi2 TF	-
30	20	20	b SU	-	30	20	52	bp MC	-	30	20	..	bp KV	-	31	00	39	pi2 BI	-
31	02	10	bp SM	-	31	06	00	pc4 TE	-	31	12	00	si HL	-	31	16	07	pi2 BI	-
31	16	..	pc5 SI	-	31	18	..	bp KV	-										

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01	15	15	pi2 BI	-	01	20	33	ssc VI	-	01	21	41	si LU	-	02	00	05	pi2 OD	-
02	00	29	bp TW	-	02	00	41	bp EB	-	02	07	36	pc4 TR	-	02	14	12	pc4 TE	-
02	15	00	bp OD	-	02	21	56	bp EB	-	02	22	..	pc5 SI	-	03	06	42	pc4 TR	-
03	07	00	pc4 FR	-	03	07	56	pi2 CO	-	03	09	14	pi2 PP	-	03	17	27	pi2 TF	-
03	22	32	si CO	-	04	04	50	ssc DB	-	04	10	16	pi2 CM	-	04	13	55	bp DU	-
04	14	40	pg CO	-	05	02	50	si SM	-	05	03	07	pc5 TR	-	05	09	15	pc4 TE	-
05	09	28	si LG	-	05	15	13	ssc SW	-	05	16	00	bp IR	-	05	16	35	bps BI	-
05	21	29	bp BI	-	06	00	10	b SF	-	06	09	00	pi2 SI	-	06	09	54	b SR	-
06	10	17	bp VI	-	06	10	36	b IR	-	06	19	16	ssc TR	-	06	21	30	b IR	-
07	07	33	pi2 PP	-	07	08	51	pc4 TE	-	07	18	00	pi2 TF	-	07	19	15	bp TF	-
07	20	..	bp KV	-	08	00	03	bp TC	-	08	02	45	pi2 SI	-	08	07	38	pi2 CO	-
08	09	05	pi2 HO	-	08	09	59	sfe BI?	-	08	12	32	pi2 TR	-	08	18	09	pi2 TF	-
08	23	31	pi2 TW	-	09	08	08	pi2 PP	-	09	12	04	pc4 BI	-	09	16	12	pi2 TF	-
09	18	36	pi2 HU	-	09	19	48	pc4 LU	-	09	20	06	pc4 LU	-	10	12	11	si HL	-
10	23	55	pg ME	-	11	13	46	pi2 TK	-	11	14	31	si BE	-	11	17	00	pi2 TF	-
11	21	..	bp KV	-	12	15	30	si FU	-	13	10	15	pi2 HO	-	13	15	26	si HL	-
13	19	20	pc5 PP	-	13	20	00	bp BI	-	13	22	55	bs HL	-	14	06	41	si HL	-
14	17	06	pi2 TF	-	14	19	24	si TR	-	14	19	..	bp KV	-	15	15	00	pc4 BI	-
15	00	..	bp KV	-	15	17	06	pi2 TF	-	16	09	39	si SW	-	16	13	50	pc4 BI	-
16	17	22	cr PP?	-	16	17	36	pi2 TF	-	17	02	00	pc4 TF	-	17	02	42	pi2 TR	-
17	03	18	pc4 LU	-	17	04	03	pi2 Lu	-	17	07	36	pc5 TE	-	17	07	59	pi2 PP	-
17	12	48	pi2 BI	-	17	18	06	pi2 TF	-	17	21	10	pi2 OD	-	17	21	55	pi2 BI	-
17	23	00	pi2 TF	-	18	01	24	pi2 TW	-	18	09	48	si HL	-	18	11	20	pi2 HO	-
18	07	48	bps TF	-	19	00	15	ssc GU	-	19	11	23	ssc AG	-	19	12	30	bp IR	-
20	01	04	b OD	-	20	01	..	bp KV	-	20	05	15	pc4 TE	-	20	10	14	bp MA	-
20	14	00	pc4 FR	-	20	23	00	pi2 BI	-	21	04	14	pi2 TW	-	21	12	54	pc4 TE	-
21	14	00	pc4 FR	-	21	15	00	bps IR	-	21	18	09	pi2 TF	-	21	19	14	pi2 BI	-
21	20	..	bp KV	-	22	02	57	pc4 TR	-	22	04	00	pc4 TF	-	22	07	20	pc4 ES	-
22	07	35	pi2 TF	-	22	11	00	pc4 BI	-	22	12	13	si HL	-	22	14	20	pc4 CO	-
22	14	42	pc4 BI	-	22	16	47	pi2 OD	-	22	17	00	pi2 TF	-	22	21	12	pi2 OD	-
22	22	40	pi2 BI	-	22	23	..	bp KV	-	23	03	10	pc4 BI	-	23	11	10	pi2 HO	-

TABLE 4 MINOR DISTURBANCES 1965 - continued
 (NOVEMBER)

DECEMBER

01	13	32	ssc	TR	-	01	13	50	pi2	SI	-	01	16	32	pi2	BI	-	01	17	50	b	TC
01	22	21	ssc	TF	-	02	00	..	pc5	SI	-	02	02	06	pi2	FR	-	02	03	50	pc4	BI
02	07	45	pi2	TF	-	02	09	50	pc4	ES	-	02	10	02	pi2	CM	-	02	11	48	pc4	TE
02	13	53	bp	IR	-	02	15	35	pi2	HO	-	02	17	09	bp	TF	-	02	19	10	pg	CO
02	20	25	si	CO	-	03	12	45	pi2	OD	-	03	17	48	bp	WI	-	03	20	48	pi2	TF
05	03	57	pc4	BI	-	05	06	18	pi2	TR	-	05	10	51	pi2	CM	-	05	11	40	pc4	ES
05	12	00	pc4	FR	-	05	18	00	pi2	TF	-	06	01	00	bp	SM	-	06	04	00	pc4	TF
06	05	..	pc4	PP	-	06	09	56	pc4	ST	-	06	11	18	pc5	TE	-	06	12	36	pc5	TE
06	13	01	pc4	FR	-	06	13	..	pc5	PP	-	06	13	38	pc4	LU	-	07	04	03	pi2	TW
07	18	00	pi2	TF	-	08	03	05	ssc	LM	-	08	04	17	pi2	TW	-	08	15	26	ssc	BI
09	06	00	pc4	TF	-	09	08	..	pc4	PP	-	09	10	00	pi2	HO	-	09	12	09	bp	AP
09	13	27	b	IR	-	09	17	05	si	KG	-	10	10	15	ssc	BI	-	10	13	35	bp	BI
10	17	53	bp	TF	-	10	20	37	bp	TA	-	10	22	45	b	IR	-	11	03	30	pi2	TW
11	17	36	bp	IR	-	11	17	51	bp	MC	-	11	18	30	bps	DB	-	11	21	16	bp	EB
11	21	..	pc5	SI	-	12	01	18	pi2	TW	-	12	02	52	pi2	TW	-	12	04	35	pc4	TW
12	18	06	bp	TF	-	12	21	10	pi2	BI	-	13	01	44	pi2	TW	-	13	17	30	pi2	TF
13	20	04	pi2	OD	-	14	02	46	pi2	TW	-	14	10	27	pi2	TO	-	14	16	00	pi2	OD
14	16	12	pi2	TK	-	14	21	12	pi2	OD	-	14	23	53	bp	PR	-	15	10	05	pi2	SM
15	17	09	pi2	TF	-	15	18	30	pi2	OD	-	15	23	40	pi2	OD	-	16	02	20	pc4	CO
16	04	35	pc4	CO	-	16	06	20	pi2	TU	-	16	13	47	pi2	OD	-	16	17	00	pi2	TF
16	17	22	pi2	TR	-	17	01	09	pi2	AQ	-	17	06	23	ssc	ST?	-	17	16	39	pc4	FR
17	20	21	pi2	OD	-	17	21	00	pg	BI	-	18	12	40	pc5	ES	-	18	15	..	pc4	SI
18	17	54	pi2	TI	-	18	18	20	ssc	AP	-	18	19	47	bps	IR	-	18	23	01	pi2	EB
19	06	44	pc4	PP	-	19	17	40	pi2	TF	-	19	18	07	bs	IR	-	20	00	06	bp	EB
20	11	05	pi2	TO	-	20	12	03	pi2	CO	-	20	15	34	pi2	TI	-	20	16	54	pi2	TK
20	18	30	bp	IR	-	21	03	22	pi2	TW	-	21	15	03	bp	IR	-	21	16	10	bp	SU
22	05	..	pc4+pc5PP-	-	22	19	02	pi2	TI	-	23	02	15	b	HU	-	23	09	22	pi2	TO	
23	13	22	pi2	OD	-	23	21	54	bp	TW	-	24	10	39	pc5	TR	-	24	14	16	bp	IR
24	16	..	ssc	PP?	-	24	21	08	si	TE	-	25	02	17	pi2	TW	-	25	16	45	bp	IR
26	07	15	pc5	ES	-	26	09	13	ssc	SW	-	26	11	23	pi2	ME	-	26	11	49	b	IR
26	14	30	pc4	BI	-	26	15	18	b	IR	-	26	15	48	pi2	CM	-	26	16	25	b	TC
26	17	47	bs	IR	-	26	20	39	bp	TF	-	26	22	45	bp	MC	-	27	10	00	bp	PP
27	15	44	bp	IR	-	27	19	00	b	SW	-	27	19	23	b	IR	-	28	16	42	bs	IR
28	19	35	b	IR	-	28	21	16	pi2	EB	-	29	02	19	pi2	TW	-	29	03	30	si	LU
29	08	50	pi2	HO	-	29	15	42	bp	TF	-	29	17	30	b	IR	-	30	03	18	pc4	FR
30	03	30	pi2	TW	-	30	06	41	si	LU	-	30	11	38	bp	AP	-	30	14	..	pc4	CO
30	15	08	pc4	BI	-	30	15	32	pc4	FR	-	30	17	50	pc4	GN	-	30	19	20	pi2	OD
31	03	39	pc5	TR	-	31	17	30	pi2	TF	-						-					

TABLE 5a SOLAR-FLARE EFFECTS (S. F. E. 'S) 1965

Starting-times of solar-flare effects checked by 58 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 in the twilight-zone are indicated by dotted brackets. Stations in full dark are given in parentheses. Stations on the night-side of the earth which gave a negative or doubtful answer have been omitted. Stations whose 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 (SW IK KS PM HU) are included in square-brackets. Strong effects are marked by an asterisk.

JANUARY

none

FEBRUARY

none

MARCH

none

APRIL

03d 14h 11m A: NU KN OD TE (MU) - B: SO {CO} ES (IR) VL MA DB FU LG EB (TK)
SM TU BA MC BI - C: DO LE WN WI GT HA KV PR HB AQ FR SJ MB
PA HR - D: NI VI AG TA TN - E: CF - (pi2: B; TL)

MAY

none

JUNE

none

JULY

17d 18h 06m A: CO SI {OD} (MU) - B: NU LE ES WI (IR) VL HA MA DB FU HB AG
 LG (TK) EB TU (QU) TA HO SJ MB (GU) {BA} {MC} - C: SO DO WN GT
 PR AQ TL FR TE PA - D: NI VI - X: BI AP - (bp: SM).

AUGUST

none

SEPTEMBER

none

OCTOBER

02d 04h 13m A: TK QU MU GU - B: IR {PR} MT KA SS KY {BI} [PM] TN GN - C: KN
 KG - D: KV OD HO AP TO AM SB - E: {CO} {BA} DU.

NOVEMBER

none

DECEMBER

29d 06h 41m A: TK GN HR - B: OD QU MU GU BA TN TO KG - C: KN KV HB - D: IR
 MT AQ KA SS KY TA BI AM DU SB - E: (CO) - X: LG AP -(si: C: MC).

TABLE 5b DOUBTFUL SOLAR-FLARE EFFECTS (S. F. E.) 1965

Starting-times of presumed solar-flare effects checked by 58 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 in the twilight-zone are indicated by dotted brackets. Stations in full dark are given in parentheses. Stations on the night-side of the earth which gave a negative or doubtful answer have been omitted. Stations whose 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 (SW IK KS PM HU) are included in square-brackets. Effects which very probably are real sfe's are indicated by an asterisk.

JANUARY

- 20d 13h 18m B: (KN) FU OD (MU) [HU] - C: NU GT KV AG FR SM BA BI HR KG-D:
DO LE ES WN WI NI VL HA DB PR CF HB LG AQ EB TL TA TE SJ
MB PA MC TN SB - E: (DU) - X: MA
- 23d 10h 00m* A: NU (MU) - B: SO KN WI (IR) KV MA FU OD LG AQ QU GU BI - C:
DO LE WN VL GT EB TL TA MB PA TN HR KG - D: NI DB PR TK
SM TE MC GN SB - E: (CO) BA DU - X: HA CF - (si: C: ES HB).

FEBRUARY

- 05d 13h 40m A: (MU) - B: (CO) (IR) OD LG FR (HO) MB MC BI - C: NU LE ES WN
WI GT HA KV MA DB PR HB AG AQ EB SM TA SJ PA TN HR KG-D:
DO NI VL FU TL TE SB - E: CF BA.
- 06d 07h 48m* A: BI - B: SO DO NU (LE) IR HA OD (FR) QU (HO) (SJ) BA MC - C: KN
WN WI GT KV MA DB PR FU HB MB TN HR KG DU - D: ES NI AQ TK
EB TL KA SS KY TA GN TO SB - X: CF LG - (b: B: MU).
- 24d 10h 29m A: OD - B: [SW] DB [IK] - C: SO NU KN WN GT KV MA PR HB SM MB
HR - D: DO ES NI VL FU LG AQ TK EB TL QU TA PA MC BI TN GN
SB - E: WI HA CF BA KG - X: LE.

MARCH

- 29d 12h 06m* A: KN FU OD MB (MU) - B: SO KV MA LG TK EB FR SM (HO) TA SJ
- C: AG QU PA HR - D: DO LE NI MC KG - E: BA - X: DB TN - (si: A:
PR; B: NU ES WN WI (IR) VL HA HB AQ TL; C: SI GT BI - bp: CF?).

APRIL

- 22d 14h 10m* A: KN OD (MU) - B: (IR) MA FU (TK) EB FR SM BA MC BI [HU] - C:
SO CO DO NU LE SI ES WN WI VL GT HA KV DB PR HB AG LG AQ
TE SJ MB TN HR - D: NI VI TL TU TA PA - X: CF AP.

MAY

- 02d 00h 49m* B: SS MU [PM] - C: IR MT TK KA KY GU - D: VI TU HO TE AP GN TO
AM - E: CO SI (BA) - X: (BI).
- 20d 12h 20m* A: KN OD (MU) - B: NU IR TK [IK] QU BA - C: SO DO LE ES WN WI
GT HA KV MA FU HB AG LG AQ TL FR SM SJ HR - D: NI VL DB PR
EB TA TE MB PA MC TN - E: CF - X: AP - (pg: C: BI).
- 28d 09h 22m A: NU OD - B: SO IR MA SM - C: DO KN WN GT KV FU LG TL MU BI
HR - D: NI VL DB PR MT AQ TK SS EB KA KY QU TA MB MC TN GN
- E: ES WI HA CF BA KG - X: LE AP - (si: C: HB).

JUNE

none

JULY

- 17d 14h 16m* A: KN OD - B: SO NU LE ES (IR) MA DB FU TK SM QU (MU) - C: CO
DO WN WI VL GT HA KV PR HB AG LG AQ EB FR TU - D: SI NI VI
TL TA TE SJ MB PA BA MC HR - X: CF BI.

TABLE 5b DOUBTFUL SOLAR-FLARE EFFECTS (S. F. E.'S) 1965 - continued

AUGUST

05d 10h 55m* A: (MU) - B: NU IR FU OD [IK] [KS] QU BA MC BI (DU) - C: SO LE WN
 WI GT KV MA DB PR HB LG AQ TK EB FR SM TA SJ MB TN HR KG
 - D: DO KN ES NI VL HA AG TL PA - X: CF.

SEPTEMBER

10d 10h 56m B: NU DB OD - C: KN IR GT KV LG TK SM TA SJ MB HR - D: SO DO
 LE ES WN WI NI VL HA MA PR FU HB AQ EB TL FR QU BA BI TN
 KG - X: CF PA - (si: C: MC).

30d 19h 26m* B: CO [HU] - C: AG FR TU HO SJ - D: SI VI SM TE PA AP AM-X:(BI)
 - (bp: (LE)).

OCTOBER

01d 20h 27m B: (MA) (EB) [HU] - C: SI VI AG FR TU HO GU - D: SJ PA AP TO AM
 - E: CO (CF) (DU) - (si: B: (LG) TE).

NOVEMBER

06d 12h 26m* A: (SI) (VI) (MU) - B: SO NU LE KN WI (IR) NI VL HA MA FU OD LG
 TK FR SM (TU) QU (GU) BA BI HR - C: ES WN GT KV DB HB AQ EB
 TL TA SJ MB PA - D: DO PR MC TN - E: (CO) KG - X: CF SB.

07d 07h 11m B: IR OD TK MU TN - C: GT KV QU HR - D: SO NU KN WN WI NI DB
 PR FU HB MT LG AQ EB KA SS KY TA GU BA MC BI GN TO AM KG
 SB - E: (CO) DU - X: MA CF.

11d 08h 05m B: KN IR OD MU BA BI GN - C: NU KV TK QU TA MB GU TN HR KG
 DU - D: SO DO ES WN WI NI GT HA MA DB FR FU CF HB LG AQ EB
 TL KA SS KY MC SB - (si: C: TO).

DECEMBER

none

TABLE 5c REJECTED SOLAR-FLARE EFFECTS (S. F. E.'S) 1965

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

JANUARY

01d 12h 15m - 02d 15h 23m - 03d 14h 23m -

FEBRUARY

11d 15h 50m -

MARCH

none

APRIL

none

MAY

17d 14h 30m -

JUNE

10d 11h 50m

JULY

18d 18h 30m - 19d 07h 56m -

AUGUST

02d 08h 57m - 05d 18h 09m - 12d 17h 12m - 31d 15h 43m -

SEPTEMBER

26d 16h 46m -

OCTOBER

27d 11h 36m -

NOVEMBER

07d 16h 02m - 08d 08h 08m - 20d 12h 15m -

DECEMBER

08d 08h 30m - 27d 14h 41m - 29d 12h 11m -

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No. 16	Transactions of the Toronto Meeting, 1957	\$ 5.30
No. 16a	Paléomagnétisme et Variation Séculaire, Toronto 1957	Out of print
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International Auroral Atlas, published for the IUGG, to be obtained from University Press, Edinburgh, 1963 45 sh.

IAGA Symposium No. 1, Copenhagen, 1960	\$ 8.00
IAGA Symposium No. 2, Berkeley, 1963	\$ 5.30
IAGA Symposium No. 3, Pittsburgh, 1964	\$10.00
IAGA Symposium No. 4, Cambridge (Mass.) 1965	\$ 7.00

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