

ROYAL GREENWICH OBSERVATORY
H. M. NAUTICAL ALMANAC OFFICE

OBSERVATIONS
OF
LUNAR OCCULTATIONS
FOR THE YEARS
1943 TO 1947

Reduced by
H. M. NAUTICAL ALMANAC OFFICE

Compiled and discussed by
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(Appendix to *Greenwich Observations* 1939)

LONDON: HIS MAJESTY'S STATIONERY OFFICE

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INTRODUCTION

General. The following lists contain, for the years 1943 to 1947, details of observations of lunar occultations together with particulars of their reduction and their residuals from the deduced positions of the Moon. The observations have not been made at the Royal Greenwich Observatory and the justification for their inclusion in *Greenwich Observations* is that the prediction, collation and reduction of occultations form a considerable portion of the work of H. M. Nautical Almanac Office. This combined list of observations should prove much more valuable to future investigators than many individual lists, some of which may contain unreduced observations and some reductions of doubtful accuracy.

Acknowledgement is made in the lists to the many workers who have participated in the observations and reductions supplied to H. M. Nautical Almanac Office; the opportunity is taken here of apologising to them for the long delay in publishing the results of their work and of thanking them for their forbearance. Some delay is unavoidable; even now a few observations have been received too late for inclusion. In future the reductions will be computed using punched-card machines and the whole calculation for one year can be completed in a few weeks' machine time. However, this will only be practicable if all the observations are available, and observers are most earnestly requested to ensure that their observations reach the Office not later than six months after the end of the year in which they are observed.

H. M. Nautical Almanac Office has been largely responsible for the encouragement of the observation of lunar occultations, through its programme of predictions. In 1936 Dr. L. J. Comrie, then Superintendent, introduced a new method of reduction (*A.J.*, Vol.46, 61, 1937) and planned the preparation of the 'Occultation Reduction Elements' which were first published, for both 1937 and 1938, in the *Nautical Almanac* for 1938. This considerably lightened the labour of reduction and still further encouraged the observation of occultations, since it enabled the observer to reduce his own observations simply. An analysis of the reduced observations received by Professor Brouwer at Yale University Observatory for the years 1937 to 1939 revealed, however, that the majority of these reduction elements were never used while many others were used once only. Less work would, in fact, be required in the duplicate reduction of all observed occultations, without the use of elements, provided the observer had completed the portion of the reduction incorporating his position; thus the calculation and printing of the reduction elements were not justified. The provision of reduction elements was accordingly discontinued for 1943 and subsequent years; in their place the Office undertook to complete reductions of occultations of stars from the New Zodiacal Catalogue (*Astronomical Papers of the American Ephemeris*, Vol.X, Part II, 1940), which were received with the co-ordinates of the observer on the fundamental plane already calculated.

Centralised reduction facilitates discussion of results and, in consultation with Professor Brouwer, the Office agreed to undertake, for 1943 onwards, the compilation and discussion of occultation observations. Apart from the closer examination of results of doubtful accuracy, centralisation makes it possible to apply corrections for irregularities in the Moon's limb. It seemed desirable, however, to await the completion of the re-observation and discussion of the marginal zone of the Moon in progress by C. B. Watts at the U. S. Naval Observatory before including such corrections. To avoid further delay the reductions and discussions have been made as in

REDUCED OBSERVATIONS OF LUNAR OCCULTATIONS

previous years; when Mr. Watts' work is completed, all the observations will be rediscussed after correcting for limb error. With centralised reduction it becomes impracticable for individual observatories to publish reduced occultations and a combined list becomes essential. This initial list covers the five years, 1943 to 1947, for which discussions have so far been published; in future the lists will be published annually.

Observations and Reductions. Because of the advantages of centralised reduction, the Office soon ceased to insist on the calculation by the observer of his own co-ordinates on the fundamental plane and agreed to accept unreduced, partially reduced and fully reduced observations according to the preference of the observer. The information required in the three cases is:

- (a) *Unreduced observations.* The star's N. Z. C. number and magnitude; observer; whether disappearance or reappearance; dark or bright limb; date and U. T. of observation; and any relevant remarks about the quality or conditions of observation.
- (b) *Partially reduced observations.* The information in (a) together with the part of the reduction which depends only on the position of the observer and the apparent place of the star.
- (c) *Fully reduced observations.* The information in (a) together with the complete reduction.

The first list of observations should be accompanied by a note of the observer's latitude, longitude and height above sea level together with details of the instrument used and the method of timing.

These differing amounts of information have been received for each of the years concerned, 1943 to 1947.

For 1943, the complete reductions of unreduced observations were made in duplicate; for partially reduced observations the reduction was completed in duplicate; fully reduced observations were accepted. For subsequent years, the procedure has remained the same for unreduced observations; partial reductions have been completed; and for both these and fully reduced observations completely independent reductions have been made.

The reductions have been confined to observations of stars in the New Zodiacal Catalogue. Some observations have been received for other stars and it is hoped that it may be possible to reduce them to the system of this catalogue before the rediscussion.

List A. In this list are given the positions of the observing stations, grouped in countries, and arranged under each country in alphabetical order of the place names. The first three columns give the code, which is used in Lists B and C to designate the stations, the place name and either the name of the observatory or, for private observatories, the observer's name in parenthesis. The remaining columns give for each station, or, when appropriate, for each telescope, the longitude, latitude and altitude in metres above sea level together with the values of $\rho \sin \phi'$ and $\rho \cos \phi'$.

List B. Information is given in this list as to the method of observation, observers, computers, place of previous publication and details of number and type of observations received from each station. When such information has been supplied, the instruments are listed first followed by the method of timing. Where there is more than one observer at a station, each is given a code letter. The number of observations given for a year is not for the calendar year but for the exact number of lunations included in the discussion for that year. The letters (a), (b)

and (c) are used to indicate unreduced, partially reduced and fully reduced observations respectively. Further information as to publication or computation is given on the last page of the list, reference to which is by figures in parenthesis. Disappearances and reappearances at the dark limb are denoted by DD and RD and disappearances and reappearances at the bright limb by DB and RB respectively.

List C. In this list are tabulated the results of the reductions of all the observations which have been included in the published discussions for the years 1943 to 1947. Some observations were received too late for inclusion and these will be reduced and included in the re-discussion. The reductions were made using Comrie's method and notation, and the solutions from the analysis were made by the method of least squares from the observational equation $p\Delta L + q\Delta B = \Delta\sigma$. Two solutions were made, the first including only disappearances at the dark limb and the second including all the observations of N. Z. C. stars. Each lunation has been treated separately and the residuals from the adopted solution for the lunation obtained for each observation.

The observations are tabulated in lunations, the limiting dates of the lunation being given in the cross heading. The argument is the N. Z. C. number; the date and U. T. of observation are given first followed by p , q and $\Delta\sigma$ as obtained from the reduction. R_1 and R_2 are the residuals from the adopted values for the lunation, R_1 from the solution including only disappearances at the dark limb and R_2 from the solution including all observations.

The column headed 'Codes' gives first the code for the station as tabulated in List A followed by that for the observer (as given in List B) for stations where there are several observers and where the time is not a mean of more than one observation. When the mean of more than one time has been used, the number of observations is given instead, and in the analysis the observation has been treated as that number of individual observations. No attempt has been made in this list to separate the observations according to the different telescopes at observatories where more than one is used. This will be done in future lists. R indicates that an observation was rejected and omitted from the solution for the lunation. In several cases where an observation would not reduce to give a reasonable value for $\Delta\sigma$, it was found that an adjustment to the time of an exact number of minutes gave a satisfactory result. Such observations are indicated by the letter a.

The remaining codes give the observer's remarks about the quality of the observation, and they have the following significance:

b	perhaps early
c	cloudy, thick cloud
d	difficult conditions
e	excellent, very good, very accurate
f	fair, doubtful, uncertain
g	good, accurate
h	haze, thin cloud
i	by averted vision
k	clear
n	not instantaneous, gradual, slow, flickering
p	poor, very uncertain, unsatisfactory
q	perhaps late
s	satisfactory
v	dark limb visible
w	faint, very faint, weak
z	during total lunar eclipse

LIST A - POSITIONS OF OBSERVING STATIONS

Code	Place	Observatory	Longitude	Latitude	Alt.	$\rho \sin \phi'$	$\rho \cos \phi'$
ARGENTINA							
Ag	Bosque Alegre	(M. Dartayet)	^h ^m ^s + 4 18 11.2	[°] ['] ^{''} -31 35 53	^m 1250	-0.52102	0.85270
Ah	Cordoba	National	+ 4 16 47.16	-31 25 16.4	434	-0.51833	0.85420
Ai	La Plata	National University	+ 3 51 43.72	-34 54 30.3	17	-0.56905	0.82097
AUSTRALIA							
Am	Brisbane	Time Service Station	-10 12 06.01	-27 28 23.0	51	-0.45856	0.88787
An	Riverview	Riverview College	-10 04 37.99	-33 49 45.7	24	-0.55356	0.83157
Ao	Sydney	Government	-10 04 48.97	-33 51 41.1	44	-0.55402	0.83126
BRAZIL							
Au	Blumenau	(F. Weber)	+ 3 16 20	-26 55 10		-0.45000	0.89226
Av	São Paulo	(H. Luft)	+ 3 06 46	-23 33 57	750	-0.39737	0.91720
Aw	São Paulo	(H. Luft)	+ 3 06 38.0	-23 35 30	750	-0.39779	0.91702
CANADA							
Bc	Montreal	Ville-Marie	+ 4 54 29.2	+45 28 22	69	+0.70934	0.70246
Bd	Montreal	(F. W. Henshaw)	+ 4 54 17.0	+45 28 15	20	+0.70932	0.70248
CHINA							
Bi	Z8-S8	Z8-S8	- 8 04 44.75	+31 05 47.6	100	+0.51347	0.85708
CZECHOSLOVAKIA							
Br	Ondřejov	National	- 0 59 08.08	+49 54 38.1	533	+0.76146	0.64531
Bs	Prague	Stefanik	- 0 57 35.8	+50 04 56	327	+0.76336	0.64299
Bt	Prague	Technical Institute	- 0 57 40.6	+50 04 40	237	+0.76330	0.64303
Bu	Prague	University	- 0 57 35.1	+50 04 36	267	+0.76329	0.64306
Bv	Praha-Smichov	(Karel Novak)	- 0 57 38.04	+50 04 42.1	218	+0.76330	0.64303
DENMARK							
Ca	Aarhus	Ole Römer	- 0 40 47.3	+56 07 40	50	+0.82663	0.55864
Cb	Copenhagen	(P. Darnell)	- 0 49 48.67	+55 42 13		+0.82247	0.56477
Cd	Copenhagen	(S. Kierulff)	- 0 50 06.4	+55 41 38		+0.82237	0.56491
Ce	Copenhagen	(Knud Mikkelsen)	- 0 50 18.7	+55 41 13		+0.82231	0.56501
Cf	Copenhagen	(N. P. Wieth-Knudsen)	- 0 50 13.0	+55 40 44		+0.82223	0.56513
Cg	Fredericia	(Arthur Nielsen)	- 0 39 02.4	+55 33 49		+0.82109	0.56679
Ch	Helsingør	(R. Fr. Rasmussen)	- 0 50 25.6	+56 02 22		+0.82576	0.55992
Cj	Nyborg	(Th. Vaaben)	- 0 43 11.0	+55 18 36		+0.81858	0.57043
ENGLAND							
Da	Barnehurst	(H. P. Wilkins)	- 0 00 38.8	+51 28 24		+0.77866	0.62416
Db	Birmingham	(C. Waterhouse)	+ 0 07 12.5	+52 26 59		+0.78916	0.61075
Dc	Bramcote	(R. F. Granger)	+ 0 04 56.7	+52 55 55	69	+0.79427	0.60406
De	Burton	(F. O'B. Ellison)	+ 0 07 02.0	+50 44 39.6		+0.77068	0.63406
Df	Cambridge	University	12in. - 0 00 22.75	+52 12 51.6	28	+0.78665	0.61400
Df	Cambridge	University	8in. - 0 00 22.6	+52 12 50	29	+0.78665	0.61401
	"	"	3 1/2in. - 0 00 22.75	+52 12 51.6	28	+0.78665	0.61400
	"	"	15in. - 0 00 22.5	+52 12 49	30	+0.78664	0.61401
Dh	Cleethorpes	(W. T. Gayfer)	+ 0 00 11.0	+53 33 21.6		+0.80077	0.59533
Dj	Gillingham	(J. G. Porter)	- 0 02 14	+51 22 26		+0.77758	0.62552
Dk	Grove Park	(F. Addey)	- 0 00 06.2	+51 25 58.5	42	+0.77823	0.62472
Dm	Ipswich	(E. H. Collinson)	- 0 04 56.0	+52 05 06		+0.78526	0.61578
Dx	London	(Millar)	+ 0 00 06.2	+51 26 45		+0.77836	0.62454
Dn	Padstow	(W. M. Lindley)	+ 0 19 54.86	+50 32 40.8	15	+0.76847	0.63676
Dp	Redbourn	(D. A. Campbell)	+ 0 01 27.4	+51 44 00		+0.78148	0.62061

LIST A - POSITIONS OF OBSERVING STATIONS

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Code	Place	Observatory	Longitude	Latitude	Alt.	$\rho \sin \phi'$	$\rho \cos \phi'$
Dq	ENGLAND (cont.)						
Dr	Slough	(H. C. King)	^h 0 ^m 02 ^s 24	[°] 51 ['] 30 ["] 20	m	+0°77901	0°62372
Ds	Solihull	(B. M. Peek)	+ 0 07 09.86	+52 25 17.7	130	+0°78887	0°61115
Dt	Teddington	(J. L. Haughton)	+ 0 01 17.4	+51 25 15	13	+0°77809	0°62488
Du	Wallington	(W. Green)	+ 0 00 30.4	+51 21 37		+0°77743	0°62570
Dv	Warrington	(D. P. Bayley)	+ 0 10 14.3	+53 22 38		+0°79892	0°59784
Dw	Watford	(R. Brown)	+ 0 01 28.0	+51 42 05		+0°78113	0°62105
Dw	Wimbledon	(J. Cartland)	+ 0 00 54.5	+51 24 02		+0°77787	0°62516
Fj	GERMANY						
Fk	Karlsruhe	(W. Malsch)	- 0 33 32.52	+49 01 26.6	128	+0°75137	0°65701
Fk	Sonneberg	Sonneberg	- 0 44 46.19	+50 22 41.4	640	+0°76670	0°63906
Fs	GREECE						
Fs	Athens	National	160mm. - 1 34 52	+37 58 19.3	110	+0°61193	0°78933
	"	"	82mm., 110mm. - 1 34 52	+37 58 18.7	110	+0°61193	0°78933
	"	"	400mm. - 1 34 52.2	+37 58 15.5	110	+0°61191	0°78933
Ga	HUNGARY						
Ga	Budapest	Szabadsaghegy-Konkoly	- 1 15 51.47	+47 29 58.5	474	+0°73371	0°67688
Gj	INDIA						
Gj	Hyderabad	Nizamiah	- 5 13 49.0	+17 25 54.3	554	+0°29767	0°95445
Gs	ITALY						
Gt	Rome	Monte Mario	- 0 49 48.74	+41 55 19.2	153	+0°66464	0°74519
Gt	Turin	Pino Torinese	- 0 31 06.11	+45 02 16.3	618	+0°70407	0°70790
		Merz	- 0 31 06.43	+45 02 16.3	618	+0°70407	0°70790
		Zeiss					
Hb	JAPAN						
Hb	Hyōgoken	(E. Date)	- 9 01 37.2	+34 49 30	60	+0°56786	0°82181
Hc	Ikoma	(T. Mitani)	- 9 02 43.6	+34 40 31	630	+0°56577	0°82337
Hd	Itikawa	(T. Ōtani)	- 9 19 39.6	+35 44 06		+0°58078	0°81266
Hf	Kyoto	Kwasan	- 9 03 10.32	+34 59 40	220	+0°57029	0°82014
Hg	Kyoto	Institute of Cosmophysics	- 9 03 09.8	+35 01 51	60	+0°57080	0°81976
Hh	Kyoto	(S. Nishimura)	- 9 03 08.9	+35 01 26	60	+0°57070	0°81983
Hj	Seto	(M. Honda)	- 8 53 20.9	+34 27 14	35	+0°56255	0°82547
Hk	Simodate	(A. Ōta)	- 9 19 48.7	+36 18 30		+0°58884	0°80679
Hl	Tanakami	Tanakami	- 9 03 57.4	+34 58 18	165	+0°56996	0°82036
Hm	Tokyo	Kamitakaido	- 9 18 29.6	+35 40 28	40	+0°57993	0°81328
Hn	Tokyo	Yōga	- 9 18 32.2	+35 37 28	35	+0°57922	0°81378
Ho	Tokyo	Nakano	- 9 18 40.6	+35 42 11		+0°58033	0°81298
Hp	Tokyo	Tokyo Astronomical	10cm. - 9 18 10.0	+35 40 22	57	+0°57990	0°81330
	"	"	20cm. c-s - 9 18 10.1	+35 40 25	57	+0°57992	0°81329
	"	"	15cm. - 9 18 10.4	+35 40 12	59	+0°57986	0°81333
Hp	Tokyo	Tokyo Astronomical	20cm. - 9 18 10.4	+35 40 18	57	+0°57989	0°81331
Hq	Tokyo	Tokyo-Azabu	- 9 18 58.3	+35 39 17	25	+0°57965	0°81348
Hr	Tokyo	Tokyo-Ueno	- 9 19 07.1	+35 42 48		+0°58047	0°81288
Hs	Tokyo	(K. Saito)	- 9 18 40.2	+35 37 39	40	+0°57926	0°81375
Ht	Tokyo	(M. Hara)	- 9 18 40.6	+35 37 44	40	+0°57928	0°81374
Hw	Yokkai	(M. Yoshihara)	- 9 06 32.5	+34 58 09		+0°56991	0°82037

LIST A - POSITIONS OF OBSERVING STATIONS

Code	Place	Observatory	Longitude	Latitude	Alt.	$\rho \sin \phi'$	$\rho \cos \phi'$
NETHERLANDS							
Kb	Amsterdam	(J. F. M. Bruijn)	^h 0 ^m 19 ^s 33 ^o 0	^o 52 ['] 20 ["] 49 ^o 4	m	+0 ^o 78807	0 ^o 61217
Kc	Amsterdam	(L. J. de Lange)	- 0 19 26 ^o 32	+52 22 11 ^o 2		+0 ^o 78831	0 ^o 61185
Kd	Badhoevedorp	(C. Deetman)	- 0 19 07 ^o 06	+52 20 06 ^o 2		+0 ^o 78794	0 ^o 61233
Ke	Beverwijk	(B. J. Vastenholt)	- 0 18 35 ^o 30	+52 29 09 ^o 0		+0 ^o 78954	0 ^o 61025
Kf	Bussum	(D. Schmidt)	- 0 20 41 ^o 6	+52 16 34 ^o 2	10	+0 ^o 78731	0 ^o 61315
Kh	den Haag	(E. Ross)	- 0 17 11 ^o 66	+52 04 52 ^o 5		+0 ^o 78522	0 ^o 61583
Ki	Groningen	(M. Schmidt)	- 0 26 13 ^o 44	+53 12 46 ^o 4		+0 ^o 79720	0 ^o 60014
Kj	Haarlem	(B. J. M. Walker)	- 0 18 35 ^o 47	+52 23 59 ^o 4		+0 ^o 78863	0 ^o 61144
Kk	Hardenberg	(D. G. H. Kenskamp)	- 0 26 27 ^o 90	+52 34 35 ^o 5		+0 ^o 79050	0 ^o 60899
Kl	Heerlen	(J. C. Fransen)	- 0 23 54 ^o 1	+50 55 09 ^o 5	110	+0 ^o 77262	0 ^o 63171
Km	Hoensbroek	(J. C. Fransen)	- 0 23 43 ^o 49	+50 55 54 ^o 3	103	+0 ^o 77276	0 ^o 63154
Kn	Hoorn	(J. C.v.d. Meulen)	- 0 20 12 ^o 90	+52 38 38 ^o 4		+0 ^o 79122	0 ^o 60806
Kp	Nijmegen	(A. Mak)	- 0 23 33 ^o 5	+51 50 06 ^o 1	25	+0 ^o 78258	0 ^o 61922
Ks	Utrecht	Sonnenburg	- 0 20 31 ^o 01	+52 05 09 ^o 6	14	+0 ^o 78528	0 ^o 61577
Kt	Utrecht	(J. C. Pfeiffer)	- 0 20 28 ^o 3	+52 04 25		+0 ^o 78514	0 ^o 61594
Ku	Utrecht	(C. A. Wagenaar)	- 0 20 27 ^o 8	+52 05 37 ^o 0		+0 ^o 78536	0 ^o 61566
Kv	Velsen	(A. Mak)	- 0 18 34 ^o 15	+52 26 56 ^o 8		+0 ^o 78915	0 ^o 61076
Kw	Weesp	(J. V. Diggelen)	- 0 20 10 ^o 14	+52 18 37 ^o 0		+0 ^o 78768	0 ^o 61268
NEW ZEALAND							
Mc	Dunedin	Astronomical Society	-11 21 58 ^o 05	-45 52 25 ^o 9	200	-0 ^o 71424	0 ^o 69747
Md	Dunedin	(G. Couling)	-11 21 59 ^o 3	-45 52 34		-0 ^o 71425	0 ^o 69742
Me	New Plymouth	Astronomical Society	-11 36 17 ^o 70	-39 03 45 ^o 2	49	-0 ^o 62677	0 ^o 77750
Mf	Wellington	Carter	-11 39 03 ^o 69	-41 17 03 ^o 9	129	-0 ^o 65634	0 ^o 75256
Mg	Wellington	Dominion	-11 39 03 ^o 97	-41 17 03 ^o 8	127	-0 ^o 65634	0 ^o 75256
Mh	Wellington	Royal Society	-11 39 03 ^o 84	-41 17 05 ^o 2	134	-0 ^o 65634	0 ^o 75256
Mi	Wellington	(R. C. Hayes)	-11 38 58 ^o 8	-41 17 00 ^o 2	180	-0 ^o 65633	0 ^o 75258
NORTHERN IRELAND							
Mn	Armagh	Armagh College	+ 0 26 35 ^o 48	+54 21 11	64	+0 ^o 80897	0 ^o 58409
POLAND							
Nc	Poznan	University	- 1 07 30 ^o 78	+52 23 54 ^o 3	85	+0 ^o 78862	0 ^o 61147
	"	" Zeiss 1,2. Steinheil	- 1 07 30 ^o 53	+52 23 50 ^o 8	85	+0 ^o 78861	0 ^o 61148
PORTUGAL							
Nj	Lisbon	Alfeite	+ 0 36 36	+38 39 42		+0 ^o 62134	0 ^o 78188
Nk	Lisbon	Faculty of Sciences	+ 0 36 35 ^o 61	+38 43 03 ^o 5	77	+0 ^o 62210	0 ^o 78128
Nl	Lisbon	Tapada	+ 0 36 44 ^o 68	+38 42 30 ^o 7	95	+0 ^o 62198	0 ^o 78138
SCOTLAND							
Nr	Carnoustie	(W. B. Ogilvie)	+ 0 10 48 ^o 26	+56 30 03 ^o 3	8	+0 ^o 83023	0 ^o 55322
Ns	Kettins	(W. B. Ogilvie)	+ 0 12 56 ^o 92	+56 32 12 ^o 1		+0 ^o 83059	0 ^o 55270
SOUTH AFRICA							
Pa	Cape	Royal Observatory 18in., 8in.	- 1 13 54 ^o 57	-33 56 06 ^o 8		-0 ^o 55509	0 ^o 83054
	"	" " 13in., 10in.	- 1 13 54 ^o 70	-33 56 07 ^o 8		-0 ^o 55509	0 ^o 83054
	"	" " 5in., 7in.	- 1 13 54 ^o 64	-33 56 07 ^o 0		-0 ^o 55509	0 ^o 83054
	"	" " 7in. heliometer	- 1 13 54 ^o 65	-33 56 01 ^o 4		-0 ^o 55506	0 ^o 83056
	"	" " 6in.	- 1 13 54 ^o 69	-33 56 07 ^o 1		-0 ^o 55509	0 ^o 83054
Pb	Cape	Mowbray	- 1 13 53 ^o 5	-33 57 05	24	-0 ^o 55532	0 ^o 83039
Pc	Cape	Astronomical Society of S. A.	- 1 13 36 ^o 8	-33 56 05 ^o 1	122	-0 ^o 55509	0 ^o 83055
Pd	Durban	Durban	- 2 04 01 ^o 2	-29 50 47	79	-0 ^o 49475	0 ^o 86810
Pe	Durban	(A. W. J. Cousins)	- 2 03 56 ^o 7	-29 51 22	140	-0 ^o 49490	0 ^o 86802
Pf	Hammanskraal	(W. M. Worsell)	- 1 52 52 ^o 6	-25 20 32	1158	-0 ^o 42548	0 ^o 90448

LIST A - POSITIONS OF OBSERVING STATIONS

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Code	Place	Observatory	Longitude	Latitude	Alt.	$\rho \sin \phi'$	$\rho \cos \phi'$
	SOUTH AFRICA (cont.)		h m s	° ' "	m		
Pg	Johannesburg	Union	- 1 52 17.7	-26 11 01	1800	-0.43870	0.89823
Ph	Letabo	(A. W. J. Cousins)	- 2 00 34.1	-23 57 00.0	1050	-0.40350	0.91456
Pi	Pretoria	Radcliffe	- 1 52 54.9	-25 47 18	1542	-0.43250	0.90120
Pj	Pretoria	(H. J. F. Burroughs)	- 1 52 30.7	-25 45 06	1352	-0.43192	0.90145
Pk	Pretoria	(S. C. Venter)	- 1 52 52.7	-25 42 43	1268	-0.43129	0.90174
	SPAIN						
Qc	Madrid	Madrid	+ 0 14 44.97	+40 24 30.1	656	+0.64485	0.76260
Qd	San Fernando	Naval	+ 0 24 49.30	+36 27 42.0	30	+0.59099	0.80521
	SWITZERLAND						
Qp	Bern	University	- 0 29 42.88	+46 57 12.7	563	+0.72726	0.68388
	UNITED STATES OF AMERICA						
Sb	Baton Rouge, La	(W. A. Rense & D. Mary)	+ 6 04 42.96	+30 24 44.1	31	+0.50325	0.86315
Sc	Berkeley, Calif.	Students'	+ 8 09 02.91	+37 52 23.5	94	+0.61057	0.79039
Sd	Bridgeport, Conn.	(W. E. Inglis)	+ 4 52 53.6	+41 11 30		+0.65511	0.75361
Se	Brooklyn, N.Y.	(Floyd L. Arnold)	+ 4 55 53.94	+40 46 02.1	46	+0.64953	0.75846
Sf	Cambridge, Mass.	(W. Liller)	+ 4 44 27.1	+42 21 47	24	+0.67032	0.74002
Sg	Cincinnati, Ohio	(G. W. Gasper)	+ 5 37 42.07	+39 10 51	244	+0.62839	0.77623
Sh	Cincinnati, Ohio	(M. Kunkel)	+ 5 38 24.07	+39 07 03	282	+0.62754	0.77693
Si	Cincinnati, Ohio	(J. R. Leonard)	+ 5 38 50.70	+39 11 32	265	+0.62855	0.77611
Sj	Cincinnati, Ohio	(R. J. Wood & T. Welsh)	+ 5 37 40.80	+39 09 10	177	+0.62800	0.77653
Sm	Columbus, Ohio	Emerson McMillin	+ 5 32 02.6	+39 59 50.4	233	+0.63934	0.76717
Sn	Corpus Christi, Texas	(E. Kessler)	+ 6 29 35.0	+27 47 28	12	+0.46346	0.88530
So	Denver, Col.	Chamberlin	+ 6 59 47.72	+39 40 36.4	1644	+0.63520	0.77091
Sp	Fort Worth, Texas	(Oscar E. Monnig)	+ 6 29 16.0	+32 42 43.8	195	+0.53733	0.84225
Sq	Fort Worth, Texas	(A. W. Mount)	+ 6 29 32.05	+32 44 06.3	204	+0.53767	0.84204
Sr	Fort Worth, Texas	(B. H. Sanders)	+ 6 29 27.3	+32 41 51	207	+0.53712	0.84239
Ss	Hooks, Texas	(G. Bonnell)	+ 6 17 04.33	+33 28 10	111	+0.54835	0.83505
St	Houston, Texas	(O. A. Schumann)	+ 6 22 03.80	+29 51 08	15	+0.49483	0.86804
Su	Joliet, Ill.	(R. D. Cooke)	+ 5 52 16.5	+41 31 05	100	+0.65938	0.74987
Sw	Los Angeles, Calif.	(A. Wade)	+ 7 53 04.4	+34 04 23	300	+0.55710	0.82924
Sx	Malott, Wash.	(J. Ribbe)	+ 7 58 54.00	+48 15 46.8	256	+0.74261	0.66699
Sz	Mamaroneck, N.Y.	(E. A. Sill)	+ 4 54 56.33	+40 56 30.1		+0.65183	0.75647
Ta	Milwaukee, Wis.	(E. A. Halbach)	+ 5 51 55.0	+42 59 26.1	91	+0.67837	0.73262
Tb	New Haven, Conn.	Yale University	+ 4 51 40.58	+41 19 22.3	40	+0.65683	0.75211
Tc	New York	(H. Luft)	+ 4 55 46.7	+40 50 19.4	68	+0.65048	0.75765
Td	Palo Alto, Calif.	(Henry Power)	+ 8 08 35.04	+37 26 18.4	10	+0.60457	0.79500
Te	Pittsfield, Mass.	(R. G. Green)	+ 4 52 55.84	+42 27 31.3	338	+0.67159	0.73894
Tf	Portland, Ore.	Station A	+ 8 10 42.0	+45 34 57	25	+0.71068	0.70109
Tg	Portland, Ore.	Station B	+ 8 10 52.82	+45 30 08.2	297	+0.70973	0.70212
Th	Portland, Ore.	(R. E. Millard)	+ 8 10 48.2	+45 29 43.7	213	+0.70965	0.70220
Tj	San Antonio	(T. A. Keene)	+ 6 33 52	+29 32 00	198	+0.49003	0.87081
Tk	Santa Clara, Calif.	(J. A. Weber)	+ 8 07 48	+37 20 45	31	+0.60330	0.79598
Tn	South Hadley, Mass.	Williston	+ 4 50 18.99	+42 15 18.2	76	+0.66894	0.74129
Tl	Staten Island	(F. Brandkamp)	+ 4 56 43.8	+40 32 37.3	30	+0.64658	0.76100
Tm	Staten Island	(F. Brandkamp)	+ 4 56 18.8	+40 37 28	26	+0.64765	0.76008
To	Troy, N.Y.	(Robert Fleischer)	+ 4 54 43.00	+42 43 44		+0.67501	0.73571
Tp	Washington, D.C.	U.S. Naval	+ 5 08 15.78	+38 55 14.0	86	+0.62486	0.77906
Tq	Washington, D.C.	National Capital Astronomers	+ 5 08 15.78	+38 55 14.0	86	+0.62486	0.77906
Tr	Worcester, Mass.	(H. E. Magnusson)	+ 4 47 04.7	+42 14 26	165	+0.66876	0.74147

LIST B - DETAILS OF INSTRUMENTS AND OBSERVATIONS

Code	Details of instruments and observations	Code	Details of instruments and observations
Ag	Comet seeker; sidereal chronometer checked by time signals. 1944(c)(1) 1DD, reduction by Alfredo Völsch.	Bt	5in. telescope. A = E. Buchar, B = J. Procházka. 1946(c)(5)(6) A 3DD, B 2DD; 1947(a) A 3DD.
Ah	31cm. equatorial and 13cm. alt.-az. refractors; Longines chronograph checked against Fénon pendulum No. 195. A = Alfredo Völsch, B = Martin Dartayet, C = Jorge Bobone. 1944(c)(1) A 13DD, B 1DD; 1945(c)(1) A 24DD, C 1DD; 1946(c)(1) A 22DD, C 1DD; 1947(c)(2) A 32DD. Reductions by Alfredo Völsch.	Bu	10in., 7in. and 5in. telescopes. A = J. Bouška, B = M. Plavec, C = J. Voldrich, D = V. Vanysek, E = V. Letfus. 1947(a) A 2DD, B 1DD, C 1DD, D 5DD, E 4DD.
Ai	Gautier equatorial refractor of 433mm.; occasionally other instruments. A = Miguel A. Agabios, B = Bernhard H. Dawson, C = Miguel Itzigsohn. 1943(c) A 34DD 6RD, B 2DD; 1944(c) A 28DD 4RD 2DB, B 2RD, C 1DD 1RD; 1945(c) A 23DD 3RD, B 1DD 2RD 1DB, C 1DD; 1946(c) A 15DD 3RD; 1947(c) A 22DD 5RD. Reductions by Miguel A. Agabios.	Bv	Zeiss equatorial of 110mm.; mean time pendulum clock, piercing chronograph, checked by time signals. 1944(a)(5) 2DD; 1946(c)(5)(6) 4DD; 1947(a) 5DD.
Am	1944(a)(3) 7DD.	Ca	1943(a) 12DD; 1944(a) 1DD; 1945(a) 10DD 1RB; 1946(b) 6DD; 1947(b) 6DD. Partial reductions by observer, A. V. Nielsen.
An	7in. and 4in. refractors; O'Leary free pendulum clock checked by time signals. A = D. O'Connell, B = P. F. Rheinberger, C = T. N. Burke-Gaffney. 1943(a)(3) A 1DD, B 6DD; 1944(b) A 14DD, B 7DD; 1945(b) A 7DD, B 8DD; 1946(b) A 4DD, B 10DD; 1947(b) A 6DD, B 7DD, C 1DD. Partial reductions by D. O'Connell.	Cb	1943(b)(7) 4DD; 1946(a) 6DD; 1947(a)(8) 7DD.
Ao	11½in. equatorial telescope; tapping key to record times on chronograph. A = H. W. Wood, B = W. H. Robertson. 1943(b) A 10DD, B 4DD; 1944(b) A 19DD, B 3DD; 1945(b) A 10DD, B 4DD; 1946(c)(4) A 14DD, B 5DD; 1947(c)(4) A 10DD, B 13DD. For 1943, 1944, 1945, partial reductions by H. W. Wood 12, 7, 11; by W. H. Robertson 2, 15, 3. For 1946 and 1947 reductions by W. H. Robertson.	Cd	1943(b)(7) 17DD 2RB; 1944(a)(8) 9DD; 1946(b)(7) 12DD; 1947(a)(8) 7DD.
Au	1947(c)(2) 1DD, reduction by Alfredo Völsch.	Ce	1943(b)(7) 5DD 1RB.
Av	1944(a) 1DD.	Cf	1943(b)(7) 2DD.
Aw	1946(a) 1DD.	Cg	1943(b)(7) 13DD 3RD 2RB; 1944(a)(8) 10DD 2RD; 1946(b)(7) 15DD 2RD; 1947(a)(8) 13DD.
Bc	A = D. Garneau, B = C. M. Good, C = G. H. Hall, D = F. T. Matthews, E = F. P. Morgan. 1944(a) A 4DD, D 1DD; 1945(a) A 2DD, B 2DD, C 1DD, D 3DD; 1946(a) D 1DD, E 2DD.	Ch	1943(b)(7) 5DD 1RD; 1944(a)(8) 6DD; 1946(b)(7) 4DD; 1947(a)(8) 2DD.
Bd	1945(a) 1DD.	Cj	1943(b)(7) 5DD; 1944(a)(8) 1DD; 1946(b)(7) 1DD.
Bi	A = P. M. Burgaud, B = Yang Hong-ming, C = Kou Teh-ling. 1947(b) A 6DD 2RD 3DB, B 1DD 1RD, C 1DD. Partial reductions by P. M. Burgaud.	Da	1946(a)(3) 2DD.
Br	8in. and 4in. telescopes. A = Vladimir Guth, B = M. Plavec. 1946(c)(5)(6) A 10DD 1RD, B 1RD; 1947(a) A 13DD 1RD.	Db	1943(a)(3) 1DD; 1944(a)(3) 2DD.
Bs	8in. and 5in. telescopes. A = Petrašck, B = Matoušek, C = Voldrich. 1947(a) A 9DD, B 2DD, C 1DD.	Dc	1947(b)(3) 3DD. Partial reductions by observer.
		De	4½in. refractor. 1945(a)(3) 3DD.
		Df	4 refractors; stop-watch compared with Observatory clock. A = A. D. Thackeray, B = H. E. Butler. 1945(a)(3) 7DD; 1947(a) A 8DD, B 4DD.
		Dh	1945(a)(3) 6DD.
		Dj	1945(a)(3) 2DD.
		Dk	1946(b)(3) 3DD; 1947(b)(3) 2DD. Partial reductions by observer.
		Dm	10in. refractor. 1945(a)(3) 5DD.
		Dn	1945(a)(3) 3DD; 1946(a)(3) 2DD.
		Dp	1945(a)(3) 1DD 1RD.
		Dq	7½in. reflector. 1945(a)(3) 3DD.
		Dr	1943(a)(3) 7DD; 1944(a)(3) 7DD; 1945(a)(3) 5DD.
		Ds	1943(a)(9) 6DD.
		Dt	Stop-watch checked by 'speaking clock'. 1943(a)(3) 8DD 1DB; 1945(a)(3) 7DD 1DB; 1946(a)(3) 7DD 1RD; 1947(a)(3) 8DD.
		Du	1945(a)(3) 6DD; 1946(a)(3) 1DD.
		Dv	1945(a)(3) 4DD.
		Dw	3in. telescope; synchronome electric clock. 1943(a)(3) 1DD.

LIST B - DETAILS OF INSTRUMENTS AND OBSERVATIONS

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Code	Details of instruments and observations	Code	Details of instruments and observations
Dx	8½in. telescope; stop-watch checked against 'speaking clock'. 1945(a)(3) 5DD 1RB.	Hg	250mm. reflector. 1947(c) 1DD observed by Mituo.
Fj	80mm. Rohr telescope; pendulum clock Cloos 256 checked by time signals. 1947(a)(10) 3DD 3RD.	Hh	125mm. reflector. 1947(c) 4DD 1RD 1DB.
Fk	80mm., 135mm., 200mm. Zeiss and 162mm. Merz refractors; stop-watch compared with standard clock Strasser und Rohde 574, checked by time signals. A = Paul Ahnert, B = C. Hoffmeister, C = H. Schneller 1945(a) A 5DD; 1946(b) A 2DD; 1947(b) A 14DD, B 3DD, C 10DD. Partial reductions by Paul Ahnert.	Hj	150mm. reflector. 1947(c) 4DD.
Fs	Merz and Doridis refractors; eye-and-ear method, time-piece checked with main sidereal pendulum Fénon 55. A = S. Plakidis, B = G. Adamapoulos, C = J. Focas, D = D. P. Elias. 1945(a) A 8DD 1RD 1DB, B 6DD; 1946(b) A 10DD, B 6DD; 1947(b) B 6DD 2RD, C 4DD; 1947(a) D 1DD. Partial reductions by observers for 1946 and by G. Adamapoulos for 1947(b).	Hk	50mm. refractor. 1946(c) 1DD.
Ga	A = T. Kolbenheyer, B = G. Kulin, C = Rakosi, D = J. Guman. 1946(c) A 4DD, B 4DD, C 1DD; 1947(c) A 3DD, D 1DD. Reductions (1946) by T. Kolbenheyer and (1947) by J. Guman.	Hl	165mm. reflector and 105mm. refractor. A = Issei Yamamoto, B = Y. Tunōoka, C = H. Goto. 1944(c) A 1DD; 1945(c) A 2DD; 1946(c) A 2DD, B 1DD; 1947(c) B 5DD 1RD, C 1DD.
Gj	15in. visual refractor; standard clock corrected by observations on transit instrument. A = M. K. Bappu, B = M. V. V. Sastry, C = A. Ramanathan, D = Mahomed Ghouse. 1943(c)(9) A 16DD 5RD 2DB; 1944(c)(9) A 12DD 3RD, B 2DD 1RD 3DB; 1945(c)(9) B 11DD 1RD 1DB 1RB, C 5DD 4RD; 1946(c)(9) B 5DD 1RD 1DB, C 2RD, D 4DD; 1947(c)(9) B 6DD 2RD 1DB 1RB, D 3DD 9RD. Reductions by M. V. V. Sastry assisted by S. Aravamudan.	Hm	100mm. reflector. 1945(c) 1DD observed by A. Akasaka.
Gs	1946(b) 2DD; 1947(b) 4DD. Observed by Guiseppe Armellini, partial reductions by Teresa Fortini.	Hn	100mm. refractor. 1947(c) 2DD 1DB observed by K. Tomito.
Gt	A = A. M. Vergnano, B = Alfonso Fresa, C = Ernest Tedeschini. 1946(b) A 8DD 1RD 2DB 1RB, B 7DD 2DB, C 1RD 1RB; 1947(b) A 5DD 3RD. Partial reductions by observers.	Ho	1945(c) 1DD; 1946(c) 1DD. Observations by T. Mori.
Hb	260mm. reflector, 76mm. refractor. 1944(c) 3DD; 1945(c) 1DD.	Hp	For instruments see List A. A = S. Kaho, B = R. Manabe, C = I. Simizu, D = K. Tomito, E = M. Ono, F = S. Hada. 1944(c) A 4DD; 1946(c) A 3DD; 1947(c) A 4DD, B 1DD, C 2DD 1RD 1DB, D 4DD 5RD 5DB, E 1DD 1DB, F 2DD 2RD 1DB.
Hc	100mm. and 58mm. refractors. 1944(c) 4DD.	Hq	100mm. refractor. 1947(c) 1DD observed by Y. Fujita.
Hd	200mm. refractor. 1946(c) 1DD.	Hr	200mm. refractor and 50mm. finder. A = T. Otani, B = H. Kagiya. 1946(c) A 1DD, B 1DD.
Hf	300mm., 180mm. and 80mm. refractors. A = Yi, B = Segawa, C = Fujanami, D = T. Mitani, E = Y. Nakai. 1944(c) A 2DD, B 2DD, C 1DD; 1946(c) D 2DD; 1947(c) D 9DD 2DB, E 1DD.	Hs	125mm. reflector. 1946(c) 1DD.
		Ht	50mm. refractor. 1944(c) 2DD; 1946(c) 1DD.
		Hw	40mm. refractor. 1944(c) 1DD; 1945(c) 1DD.
		Kb	1946(b)(11) 2DD.
		Kc	1947(b)(11) 1DD.
		Kd	1947(b)(11) 3DD.
		Ke	1946(b) 12DD; 1947(b) 16DD. Nineteen partial reductions by observer and ten by J. v. E. v. Voorhuijsen.
		Kf	1946(b)(11) 1DD; 1947(b)(12) 4DD 2RD 1DB.
		Kh	1947(b)(11) 1DD.
		Ki	1946(b)(11) 3DD; 1947(b)(11)(13) 2DD.
		Kj	1947(b)(11) 1DD.
		Kk	1947(b)(11) 2DD 1RD.
		Kl	1946(b) 4DD; 1947(b)(14) 2DD. For 1946, three partial reductions by Y. Muijtjens and one by J. v. E. v. Voorhuijsen.
		Km	1947(b)(14) 1DD.
		Kn	1946(b)(15) 16DD; 1947(b) 4DD. For 1947, one partial reduction by D. Schmidt and three by A. Mak.

LIST B - DETAILS OF INSTRUMENTS AND OBSERVATIONS

Code	Details of instruments and observations	Code	Details of instruments and observations
Kp	1946(b)(13) 4DD; 1947(b)(15) 1DD.	N1	Merz-Repsold refractors of 382mm. and 117mm., G. Merz und Sohn refractor of 76mm., Utzschneider und Fraunhofer refractor of 97mm., Merz refractor of 83mm.; eye-and-ear method, chronometer compared with Observatory standard clock. A = M. Peres, B = A. Botelho, C = J. Madeira, D = B. Abreu, E = B. Santos. 1943(c)(17) A 15DD 10RD 1DB, B 38DD 10RD 3DB 1RB, C 25DD 9RD, D 25DD 9RD 2DB 1RB, E 4DD 2RD; 1944(c)(17) A 10DD 2RD, B 22DD 10RD 2DB, C 19DD 5RD, D 20DD 10RD, E 6DD; 1945(c)(17) A 7DD 4RD 1RB, B 24DD 10RD 2RB, C 21DD 9RD 1DB, D 15DD 8RD 1DB, E 6DD 1RD; 1946(c)(17) A 3DD 4RD, B 20DD 12RD 3DB 1RB, C 22DD 10RD, D 13DD 8RD 1DB, E 2DD 4RD; 1947(c)(17) A 7DD 2RD 1RB, B 20DD 12RD 2DB, C 9DD 4RD, D 14DD 11RD 1DB, E 6DD.
Ks	A = W. J. Claas, B = J. Houtgast, C = H. Hubenet, D = C. de Jager, E = D. de Jong, F = H. C. van de Hulst. 1943(b) A 5DD 1DB, B 2DD, C 7DD 2RD 3DB, D 7DD 1RD 2DB, E 1DD, F 4DD; 1944(b) A 1DD, C 1DD, D 1DD, F 1DD; 1945(b) C 1DD. Partial reductions in duplicate by W. J. Claas, C. de Jager and H. Hubenet.	Nr	4in. Dolland refractor. 1946(c)(3) 1DD 1RD; 1947(c)(3) 9DD 8RD 1DB 1RB. Reductions by observer.
Kt	1946(b)(14) 5DD; 1947(b) 4DD. For 1947, one partial reduction by Y. Muijtjens and three by J. v. E. v. Voorhuisen.	Ns	4in. Dolland refractor. 1943(a)(3) 13DD 1RD 2RB; 1944(c)(3) 11DD 5RD 1RB; 1945(c)(3) 5DD 2RD 1DB 1RB; 1946(c)(3) 11DD 2RD 2RB. Reductions by observer.
Ku	1946(b)(14) 2DD.	Pa	For instruments see List A. A = J. Jackson, B = R. H. Stoy, C = W. P. Hirst, D = J. H. Peirce, E = H. C. Davies, F = A. Menzies, G = B. Chiat, H = R. J. Johnson, I = R. P. de Kock, J = M. B. Jackson, K = J. B. Turner, L = L. T. Davies, M = A. W. J. Cousins, N = J. B. G. Turner. 1943(b) A 17DD 4RD, B 23DD 12RD, C 2DD, D 1DD; 1944(b) A 16DD 1RD, B 25DD 11RD 1DB, C 5DD, E 23DD 1RD 1RB, F 6DD, G 1DD, H 1DD; 1945(b) A 16DD 2RD, B 23DD 5RD 2DB, C 1DD, E 26DD 1RD 1DB, F 1DD, H 11DD, I 6DD, J 1DD; 1946(b) A 10DD 1RD, B 11DD 7RD, C 4DD, E 17DD 9RD, F 1DD, H 4DD, K 2DD, L 1DD; 1947(b) A 8DD, B 11DD 8RD 1DB, E 19DD 5RD 1DB, H 1DD, M 20DD, N 2DD.
Kv	1947(b)(13) 1DD.	Pb	1945(b) 1DD 1DB observed by R. P. de Kock.
Kw	1947(b)(15) 1DD.	Pc	1943(b) 13DD; 1944(b) 9DD; 1945(b) 8DD; 1946(b) 9DD; 1947(b) 1DD. Observations by H. E. Krumm.
Mc	12in. reflector. 1945(a) 4DD observed by G. Couling.	Pd	1943(b) 1DD; 1944(b) 1DB. Observations by A. W. J. Cousins.
Md	4in. refractor. 1945(a) 2DD; 1946(b) 7DD; 1947(b) 4DD.	Pe	1943(b) 5DD; 1944(b) 8DD; 1945(b) 13DD; 1946(b) 7DD.
Me	6in. refractor. A = F. J. Morshead, B = L. Snelling, C = D. M. Lacey, D = G. M. Bulmer, E = D. Wilkinson. 1943(a) A 1DD, E 1DD; 1944(a) A 2DD, E 1DD; 1945(a) A 4DD; 1946(b) A 5DD; 1947(b) A 9DD 1DB, B 4DD, C 1DD, D 1DD.	Pf	4in. refractor. 1943(c) 20DD 3RD 1DB; 1944(c) 22DD 1RD. Reductions by W. M. Worsell.
Mf	A = I. L. Thomsen, B = K. H. Turner. 1946(b) A 2DD, B 3DD; 1947(b) A 4DD 1DB, B 2DD 1DB.	Pg	A = H. van den Bos, B = J. A. Bruwer, C = E. L. Johnson. 1943(c)(18) B 21DD; 1944(c)(18) A 4DD 1RD 1RB, B 12DD 1RD 1DB; 1945(b)(18) A 1DD, B 31DD 5RD; 1946(b)(18) B 29DD 8RD; 1947(b)(18) A 3DD, B 17DD 4RD, C 2DD. Partial reductions and reductions by J. A. Bruwer.
Mg	1946(b) 3DD; 1947(b) 1DD. Observations by G. A. Eiby.		
Mh	5in. refractor. A = R. A. Garrick, B = G. A. Eiby. 1945(a) A 3DD; 1946(b) A 6DD; 1947(b) B 1DD.		
Mi	1946(b) 8DD; 1947(b) 11DD.		
Mn	A = W. Hutchings, B = E. M. Lindsay. 1943(b) A 2DD, B 7DD 1RB; 1944(b) A 9DD; 1945(b) A 12DD; 1947(b) A 7DD. Partial reductions by W. Hutchings.		
Nc	For instruments see List A. A = J. Witkowski, B = F. Koebeke, C = H. Hurnik, D = St. Wierzbinski, E = K. Ruduicki, F = S. Andruszewski. 1946(b)(16) A 5DD, B 3DD 4RD, C 6DD 4RD 1DB, D 2DD; 1947(b) A 7DD 1RD, B 14DD 4RD, C 16DD 2RD, E 1DD, F 1DD. Partial reductions for 1947 by S. Andruszewski.		
Nj	Steinheil refractor of 110mm.; eye-and-ear method, chronometer checked by time signals. 1943(c)(17) 9DD; 1944(c)(17) 7DD. Observations by Conceição Silva.		
Nk	150mm. Zeiss and 108mm. Bardoux refractors; eye-and-ear method, clock corrections obtained from Tapada Observatory. A = Inácio Silva, B = Julio Martins. 1945(c)(17) A 22DD 10RD 1DB 1RB, B 8DD 1RD; 1946(c)(17) A 13DD 8RD; 1947(c) A 13DD 3RD. Reductions for 1947 by A. Perestrello Botelho.		

LIST B - DETAILS OF INSTRUMENTS AND OBSERVATIONS

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Code	Details of instruments and observations	Code	Details of instruments and observations
Ph	1947(b) 1DD.	So	A = Thomas J. Bartlett, B = A. W. Recht, C = Francis Bonomo, D = Robert J. Hewerton. 1946(b) A 2DD; 1947(b) A 17DD, B 3DD, C 1DD, D 2DD. Predictions for station by Francis Bonomo. Partial reductions by Thomas J. Bartlett and Robert J. Hewerton.
Pi	4½in. finder and 3in. alt-azimuth. A = H. Knox-Shaw, B = R. O. Redman. 1943(c) A 20DD, B 7DD; 1944(c) A 11DD; 1945(c) A 20DD. Reductions by H. Knox-Shaw.	Sp	1943(c)(2) 6DD 1RB; 1944(a) 19DD; 1945(a) 13DD; 1946(a) 12DD.
Pj	1944(c) 1DD; 1945(c) 4DD. Reductions by observer.	Sq	1945(a) 3DD; 1946(a) 2DD.
Pk	1946(b) 1DD; 1947(b) 15DD 3RD.	Sr	1944(a) 9DD; 1945(a) 7DD; 1946(a) 5DD.
Qc	A = D. Mariano Martin Loran, B = José Tinoco, C = D. Enrique Gullon. 1943(b) A 19DD 2RD 1DB, B 1DD 1RD 1DB; 1944(b) A 23DD 1RD, C 4DD; 1945(b) A 26DD 1RD 1DB; 1946(b) A 20DD 4RD 1DB; 1947(b) A 1DD. Partial reductions by observers.	Ss	1944(a) 4DD; 1945(a) 1DD.
Qd	A = Joaquin L. Cabrera, B = Rafael Garafano, C = Manuel Lopez, D = Vicente Lopez, E = Rafael Nuche, F = Leopoldo Vitini. 1945(c) A 2DD 1RD, B 6DD 3RD, C 3DD, D 3DD 4RD 1DB, E 5DD, F 5DD 1RD; 1946(c) A 2DD 3RD 2DB, B 6DD 4RD, C 3DD 1RD, D 6DD 2RD, E 8DD, F 8DD; 1947(c) A 4DD 2RD, B 3DD 1RD, C 2DD 5RD, D 4DD 2RD, E 2DD, F 8DD 2RD 2DB. Reductions by observers.	St	1943(c)(2) 1DD 1RB.
Qp	170mm. refractor. A = Max Schürer, B = Pestalozzi, C = Mauderli, D = Rutishauser, E = Schilt. 1943(c) A 17DD 1RD, B 2DD, C 2DD; 1944(c) A 17DD 5RD, C 1DD; 1945(a) A 11DD 2RD 1DB, C 1DD; 1946(a) A 4DD 2RD, C 3DD, D 1DD; 1947(b) A 7DD 2RD, D 4DD 1RD. In addition, for 1943(c), two observations were received for outstations; 1DD at Long. -0°34'09"7, Lat. +47°22'32", Alt. 450m. and 1RB at Long. -0°28'56"7, Lat. +47°08'22", Alt. 490m., both observed by Schilt.	Su	1943(c)(2) 3DD.
Sb	A = W. A. Rense, B = D. Mary. 1944(a) A 4DD, B 1DD; 1945(a) A 1DD, B 2DD; 1946(a) A 1DD, B 9DD 1DB; 1947(a) A 1DD, B 5DD.	Sw	1943(c)(2) 5DD; 1944(a) 1DD; 1945(a) 5DD; 1946(a) 3DD; 1947(a) 3DD.
Sc	1947(c)(19) 2DD 1RD 1DB observed by Norman E. Hansen.	Sx	1946(a) 2DD.
Sd	1943(c)(2) 1DD.	Sz	7½in. refractor. 1943(c)(2) 15DD 2RD; 1944(a) 26DD 5RD; 1945(a) 18DD 4RD; 1946(a) 19DD 6RD; 1947(a) 19DD 9RD.
Se	1947(a) 1DD.	Ta	A = E. A. Halbach, B = W. Albrecht. 1943(c)(2) A 4DD; 1944(a) A 6DD; 1945(a) A 2DD; 1946(a) A 3DD 1RD 1DB; 1947(a) A 1DD, B 2DD.
Sf	1945(a) 1DD.	Tb	9in. refractor. A = Le Roy, B = J. J. Neale. 1944(a) 1DD 2RD; 1945(a) A 2DD, B 3DD 3RD; 1946(a) A 12DD 2RD 1DB, B 1DD 2RD.
Sg	1943(c)(2) 1DD.	Tc	1947(a) 2DD.
Sh	1943(c)(2) 1DD.	Td	1944(a) 3DD; 1945(a) 1DD; 1946(a) 9DD; 1947(a) 1DD.
Si	1943(c)(2) 1DD.	Te	1947(a) 1DD 4RD 2DB.
Sj	1943(c)(2) 2DD.	Tf	A = H. J. Carruthers, B = T. P. Maher, C = J. H. Karle, D = N. C. Smale, E = H. D. Thomas. 1946(a) A 1DD, B 1DD, C 1DD, D 3DD, E 4DD.
Sm	12½in. refractor. 1943(c)(2) 3DD; 1944(c)(2) 3DD. Observations and reductions by E. S. Manson.	Tg	A = H. J. Carruthers, B = T. P. Maher. 1946(a) A 1DD, B 2DD.
Sn	1943(c)(2) 1DD.	Th	1944(a) 1DD; 1946(a) 2DD; 1947(a) 7DD.
		Tj	1943(c)(2) 1DD.
		Tk	1943(c) 12DD. Reductions by observer.
		Tl	1944(c)(2) 1DD.
		Tm	1946(a) 1DD; 1947(a) 1DD.
		Tn	8in. equatorial; stop-watch compared with standard time chronometer. A = Alice H. Farnsworth, B = Helen M. Pillans, C = Mildred Denny, D = Patty Thompson, E = E. Machan, F = R. Hayner. 1943(c)(2) A 6DD 1RB, B 13DD, C 1DD, D 1DD; 1944(c)(2) A 12DD, B 15DD, E 1DD; 1945(c)(2) A 6DD, B 12DD; 1946(c)(2) A 8DD, B 15DD; 1947(c)(2) A 14DD 1DB, B 12DD, F 2DD. Reductions by Alice H. Farnsworth and Helen M. Pillans.
		To	1946(a) 1DD.

LIST B - DETAILS OF INSTRUMENTS AND OBSERVATIONS

Code	Details of instruments and observations	Code	Details of instruments and observations
Tp	26in. and 12in. equatorials; times recorded on chronograph. A = H. E. Burton, B = U. S. Lyons, C = L. R. Wylie, D = J. L. Smith, E = J. E. Willis. 1943(c)(2) A 19DD 6RD 1DB 2RB, C 4DD 2RB, D 3DD 1RD 1RB, E 4RD 1DB; 1944(c)(2) A 8DD 13RD 7DB, B 1DD, C 13DD 1RB; 1946(a) A 2DD 2RD 1DB, B 15DD 6RD 4DB, C 2DD 3RD 1DB; 1947(a) A 5DD, B 14DD 4RD 2DB 3RB. Reductions in duplicate, for 1943 by B. P. Sharpless L. R. Wylie and H. G. Hertz and for 1944 by U. S. Lyons and L. R. Wylie.	Tq	At U. S. Naval Observatory (Tp). A = Morgan Cilley, B = J. L. Holloway, C = Benjamin King, D = Carroll Siemecher, E = G. R. Wright. 1946(a) A 1DD, B 1DD, C 1DD, D 1DB; 1947(a) A 5DD, C 3DD, D 11DD, E 2DD. Three 1947 observations were made at different positions.
		Tr	1945(a) 2DD; 1946(a) 6DD.
	(1) Published in <i>Revista Astronomica</i>. (2) Published in <i>Astronomical Journal</i>. (3) Results of reductions published in <i>Journal of British Astronomical Association</i>. (4) Published in <i>Journal of Royal Society of New South Wales</i>. (5) Published in <i>Bulletin of Astronomical Institutes of Czechoslovakia</i>. (6) Reductions by Vladimir Guth. (7) Partial reductions in duplicate by K. A. Thernøe and Steenberg Sørensen. (8) Published in <i>Nordisk Astronomisk Tidsskrift</i>. (9) Results of reductions published in <i>Monthly Notices of the Royal Astronomical Society</i>. (10) Published in <i>Nachrichtenblatt der Astronomischen Zentralstelle</i>. (11) Partial reductions by D. Schmidt. (12) Partial reductions by B. J. Vastenholt. (13) Partial reductions by Y. Muijtjens. (14) Partial reductions by J. J. B. v. Eijk v. Voorhuijsen. (15) Partial reductions by A. Mak. (16) Results of reductions published in <i>Acta Astronomica</i>. (17) Reduced in duplicate by A. Perestrello Botelho and A. Baptista dos Santos. (18) Published in <i>Union Observatory Circulars</i>. (19) Published in <i>Publications of Astronomical Society of Pacific</i>.		

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

15

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 248 1943 Jan. 6 - Feb. 4								Lunation 249 1943 Feb. 4 - Mar. 6							
	d h m s			"	"	"			d h m s			"	"	"	
3295	9 18 41 38.13	+92	-40	+1.0	+0.6	+0.6	N1 3	362	10 19 48 36.59	+85	+53	+0.1	+0.2	+0.3	Pc
3297	9 18 59 56.45	+36	-93	+1.5	+1.1	+1.1	N1 B	362	10 19 48 41.0	+85	+53	+0.2	+0.3	+0.4	Pa 3
3421	10 15 51 07	+73	-68	+0.4	-0.1	0.0	Cd	405	11 03 36 29.95	+91	-42	-1.0	-1.0	-1.2	Tk
3432	10 18 46 32.70	+39	-92	+0.3	-0.1	-0.1	Pc	405	11 03 50 33	+74	-67	+0.1	+0.1	-0.2	Sw
3432	10 18 46 43.3	+38	-93	+0.4	0.0	0.0	Pa 2	491	11 23 21 19.2	+74	-67	-3.5	-3.5	-3.8	Qc A R
3432	10 18 54 05.6	+73	-68	-0.1	-0.6	-0.5	Pf n	491	11 23 24 41.57	+59	-81	-0.1	-0.1	-0.4	N1 2
3432	10 18 54 07.5	+71	-70	+0.4	-0.1	0.0	Pi A	608	12 19 00 10.26	+98	-20	+0.8	+0.8	+0.7	N1 2
3463	10 22 28 52.2	+87	-50	+0.3	-0.1	-0.1	Sz	608	12 19 13 16.6	+98	-20	0.0	0.0	-0.1	Qc A
3472	11 00 37 16.7	+88	+48	-1.3	-1.4	-1.4	Ai A cn	608	12 19 34 43.7	+100	+7	0.0	0.0	0.0	Qp A
3535	11 12 53 06.4	+95	+32	+0.9	+0.7	+0.7	Gj A	609	12 20 32 38.05	+70	+72	+0.5	+0.6	+0.8	Pc
3537	11 13 41 34.0	+34	+94	+0.9	+1.1	+1.1	Gj A	626	12 22 44 15.6	+86	-51	+0.8	+0.8	+0.6	Tn A
12	11 16 35 51.7	+78	-63	+2.8	+2.3	+2.4	Gj A	626	13 00 01 27.7	+99	+12	-0.8	-0.8	-0.8	Ns f
128	12 16 12 50.7	+71	-70	+2.2	+1.7	+1.8	Gj A	626	13 00 02 57.2	+100	-1	+0.4	+0.4	+0.4	Mn B s
192	13 02 06 36.8	+14	+99	+0.1	+0.4	+0.4	Tp D v	626	13 00 32 53.09	+60	-80	+1.0	+1.0	+0.7	N1 3
192	13 02 23 02.6	-30	+95	+1.3		+1.7	Tp D	635	13 01 44 41.4	+76	-65	-0.4	-0.4	-0.7	Tn B
362	14 12 00 50.9	+97	+23	+3.6	+3.4	+3.4	An B R	635	13 01 47 17.8	+54	-84	-0.3	-0.3	-0.6	Tp D h
362	14 12 01 02.4	+97	+23	-0.5	-0.7	-0.7	Ao A g	659	13 05 08 21.4	+99	-16	-0.1	-0.1	-0.2	Tn A
405	14 19 19 46.76	+96	-28	+0.4	0.0	0.0	N1 2	667	13 06 22 58.77	+88	+47	+0.1	+0.2	+0.3	Tk
405	14 19 33 17.7	+95	-32	+0.1	-0.3	-0.3	Qc A	677	13 07 32 46.95	+91	-42	-0.2	-0.2	-0.4	Tk
405	14 19 41 20.0	+97	+24	-0.3	-0.5	-0.5	Dr	729	13 17 14 12.6	+59	-81	+1.3	+1.3	+1.0	Gj A
405	14 19 42 45.4	+99	+17	-0.7	-1.0	-1.0	Ds	741	13 18 42 02.45	+91	-42	-0.7	-0.7	-0.9	N1 2
405	14 19 43 17.3	+90	+43	+0.4	+0.3	+0.2	Ns h	741	13 18 55 12.0	+91	-41	-0.5	-0.5	-0.7	Qc A
508	15 17 23 46.8	+77	-64	-0.2	-0.7	-0.6	Qc A	741	13 19 22 51.1	+96	+28	-0.3	-0.2	-0.2	Cg
508	15 17 36 28.5	+98	-20	+0.3	-0.1	0.0	Dr	741	13 19 26 45.9	+96	+28	-0.5	-0.4	-0.4	Cd
508	15 17 37 16.1	+97	-24	-0.5	-0.9	-0.9	Ds	764	14 00 22 47.4	+98	-20	-0.4	-0.4	-0.5	Ai A cg
508	15 17 37 23.9	+96	-27	-0.6	-1.0	-1.0	Dw	886	14 21 10 35.64	+94	-34	-0.6	-0.6	-0.8	N1 2
508	15 17 40 26.7	+100	-5	+0.1	-0.2	-0.2	Ns	886	14 21 10 43.3	+94	-34	-0.5	-0.5	-0.6	Nj
618	16 13 41 02.0	+38	+92	-0.2	0.0	0.0	Gj A	886	14 21 21 41.1	+97	-24	-0.5	-0.5	-0.6	Qc A
635	16 17 31 48.3	+99	-12	+0.6	+0.2	+0.3	Qp A	886	14 21 25 55.5	+76	+65	+0.1	+0.2	+0.3	Ns f
635	16 17 33 52.5	+99	-12	+0.4	0.0	+0.1	Qp E	886	14 21 26 14.8	+92	+38	-1.0	-0.9	-0.9	Dt f
659	16 21 18 41.77	+59	-81	+0.7	+0.2	+0.3	N1 2	886	14 21 38 47.7	+99	+17	-0.3	-0.2	-0.3	Qp B
659	16 21 40 05.4	+88	-47	+0.5	+0.1	+0.1	Qp A	904	15 00 38 36.2	+88	+47	-1.3	-1.2	-1.1	Sz
667	16 23 16 58.42	+98	+20	+0.7	+0.5	+0.5	N1 2	904	15 00 43 28.5	+84	+54	-1.1	-1.0	-0.9	Tn A
671	16 21 28 22.2	+77	-64	+0.5	0.0	+0.1	Sz	1025	15 21 47 29.8	+57	-82	+0.8	+0.8	+0.5	Pg B
672	16 23 44 31.7	+73	-68	+0.3	-0.2	-0.1	Nj	1038	16 00 32 20.71	+97	-24	+0.1	+0.1	0.0	N1 2
677	16 22 34 35.4	+100	+6	+0.4	+0.1	+0.1	Sz	1124	16 17 54 40.9	+79	-61	-0.8	-0.8	-1.0	Cg
677	17 00 49 11.51	+66	-75	+0.9	+0.4	+0.5	N1 2	1124	16 17 55 11.6	+81	-58	-0.9	-0.9	-1.1	Ca
680	17 01 08 20.32	+35	-94	-1.9	-2.3	-2.3	N1 2	1135	16 20 57 52.7	+49	+87	+0.3	+0.4	+0.6	Pg B
692	17 01 01 51.89	+88	+47	+4.3	+4.2	+4.2	Tk R	1158	17 02 23 19.2	+49	-87	-0.2	-0.2	-0.5	Cg
692	17 01 27 43.3	+96	-29	+0.6	+0.2	+0.2	Sp	1236	17 16 47 37.4	+93	-37	-1.3	-1.3	-1.5	Gj A
692	17 01 54 25.5	+100	0	0.0	-0.3	-0.3	Su	1241	17 18 24 27.9	+97	+23	+0.2	+0.2	+0.3	Gj A
692	17 02 19 33.3	+95	-31	-0.2	-0.6	-0.6	Tp A c	1262	17 23 46 44.94	+82	+57	+0.7	+0.8	+0.9	N1 2
692	17 03 45 50.4	-92	-40	+0.5		+0.7	Tp A c	1262	17 23 46 47.7	+83	+56	+1.0	+1.1	+1.2	Nj
814	18 04 05 11.2	+92	+38	-0.1	-0.2	-0.3	Ns	1498	20 05 09 40.6	+24	-97	+2.8	+2.8	+2.4	Tp A zv
913	18 20 19 32.38	+69	-72	+1.6	+1.1	+1.2	Pc	1498	20 05 44 19.5	-52	-86	+0.2		-0.1	Tp A zv
913	18 20 19 47.2	+69	-72	+1.3	+0.8	+0.9	Pa 2	1921	24 04 58 40.84	-92	-39	+0.1		0.0	N1 3
940	18 23 40 29.5	+90	-44	-0.8	-1.2	-1.2	Ai A e	1924	24 05 48 01.16	-70	-72	+0.8		+0.5	N1 3
1609	25 00 20 06.74	-99	-13	-0.1		+0.2	N1 2	2128	25 23 54 56.8	-82	-57	-0.7		-0.9	Gj A
2640	2 02 59 47.4	-98	+20	-1.0		-0.6	Pa A	2137	26 00 10 38.4	-47	-88	+1.4		+1.1	Pa B
								2141	26 00 47 21.3	-86	-52	+0.5		+0.3	Pa B
								2266	26 23 53 04.6	-99	+16	+0.5		+0.6	Pa B
								2278	27 02 18 11.9	-72	+70	+0.5		+0.8	Pa B
								2441	28 05 09 16.03	-59	+81	-3.4		-3.1	N1 2
								2724	1 23 12 31.7	-85	+53	-0.2		0.0	Gj A
								2787	2 07 32 53.0	-100	-10	-2.3		-2.3	Ai A cs
Lunation 249 1943 Feb. 4 - Mar. 6															
	d h m s			"	"	"			d h m s			"	"	"	
95	8 18 34 35.0	+96	-29	0.0	0.0	-0.1	Qc A								
95	8 18 40 39.4	+100	-6	+0.2	+0.2	+0.2	Qp B								
249	9 21 51 15.44	+67	+74	+0.8	+0.9	+1.1	N1 3								

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 250 1943 Mar. 6 - Apr. 4								Lunation 250 1943 Mar. 6 - Apr. 4							
178	8 17 49 56 ^{a h m s} .1	+54	-84	+1 ["] .0	+1 ["] .0	+0 ["] .8	Qp A	1336	17 22 48 12 ^{a h m s} .7	+100	-2	+0 ["] .4	+0 ["] .4	+0 ["] .4	Cg
298	9 17 04 03 ^{a h m s} .9	+77	-64	+0 ["] .7	+0 ["] .7	+0 ["] .6	Pg B	1336	17 22 48 14 ^{a h m s} .6	+98	-21	+0 ["] .6	+0 ["] .6	+0 ["] .5	Ks C p
298	9 17 04 16 ^{a h m s} .7	+78	-62	+0 ["] .8	+0 ["] .8	+0 ["] .6	Pi A	1336	17 22 48 15 ^{a h m s} .9	+98	-21	+0 ["] .1	+0 ["] .1	0 ["] .0	Ks F
298	9 17 04 22 ^{a h m s} .2	+80	-61	0 ["] .0	0 ["] .0	-0 ["] .2	Pf	1336	17 22 50 57 ^{a h m s} .2	+100	+3	+1 ["] .1	+1 ["] .1	+1 ["] .1	Cd
306	9 18 22 30 ^{a h m s} .0	+100	-4	+0 ["] .1	+0 ["] .1	0 ["] .0	Ca	1336	17 22 51 00 ^{a h m s} .8	+100	+3	+1 ["] .1	+1 ["] .1	+1 ["] .1	Ce
306	9 18 22 52 ^{a h m s} .9	+100	-7	+0 ["] .3	+0 ["] .3	+0 ["] .2	Cg	1336	17 23 00 29 ^{a h m s} .9	+92	-38	-1 ["] .2	-1 ["] .2	-1 ["] .3	Qp A
306	9 18 34 25 ^{a h m s} .5	+85	-53	+0 ["] .5	+0 ["] .5	+0 ["] .4	Qp A	1336	17 23 13 21 ^{a h m s} .37	+20	-98	0 ["] .0	0 ["] .0	-0 ["] .2	N1 3
689	12 17 13 03 ^{a h m s} .2	+48	+87	+0 ["] .2	+0 ["] .2	+0 ["] .3	Pi A	1336	17 23 13 42 ^{a h m s} .9	+19	-98	-0 ["] .2	-0 ["] .2	-0 ["] .4	Nj n
692	12 16 16 45 ^{a h m s} .0	+100	+9	-0 ["] .8	-0 ["] .8	-0 ["] .8	Qc A	1337	17 22 42 27 ^{a h m s} .97	+100	0	+0 ["] .3	+0 ["] .3	+0 ["] .2	N1 3
692	12 16 44 37 ^{a h m s} .4	+96	+27	-0 ["] .1	-0 ["] .1	-0 ["] .1	Qp A	1337	17 22 42 36 ^{a h m s} .1	+100	-1	-0 ["] .1	-0 ["] .1	-0 ["] .2	Nj
692	12 16 48 07 ^{a h m s} .2	+84	+54	-0 ["] .2	-0 ["] .2	-0 ["] .1	Ks A f	1337	17 23 01 58 ^{a h m s} .9	+59	+81	+0 ["] .8	+0 ["] .8	+0 ["] .9	Ds s
692	12 16 48 07 ^{a h m s} .6	+84	+54	-0 ["] .2	-0 ["] .2	-0 ["] .1	Ks 3 s	1337	17 23 02 12 ^{a h m s} .8	+59	+81	+2 ["] .4	+2 ["] .4	+2 ["] .5	Dt R
692	12 16 48 08 ^{a h m s} .5	+84	+54	-0 ["] .5	-0 ["] .5	-0 ["] .4	Ks C f	1337	17 23 19 19 ^{a h m s} .4	+30	+95	+0 ["] .6	+0 ["] .6	+0 ["] .8	Ks 2 p
692	12 16 48 09 ^{a h m s} .2	+84	+54	-0 ["] .8	-0 ["] .8	-0 ["] .7	Ks F p	1354	18 04 03 09 ^{a h m s} .7	+36	-93	+1 ["] .6	+1 ["] .6	+1 ["] .4	Ai A g
692	12 16 49 08 ^{a h m s} .6	+57	+82	0 ["] .0	0 ["] .0	+0 ["] .1	Ns	1420	18 17 22 50 ^{a h m s} .8	+86	-51	-1 ["] .2	-1 ["] .2	-1 ["] .3	Pf
692	12 17 00 10 ^{a h m s} .9	+74	+68	-0 ["] .3	-0 ["] .3	-0 ["] .2	Cg	1420	18 17 24 35 ^{a h m s} .0	+84	-54	+0 ["] .1	+0 ["] .1	0 ["] .0	Pg B
692	12 17 01 01	+75	+66	-1 ["] .0	-1 ["] .0	-0 ["] .9	Cj	1425	18 18 13 50 ^{a h m s} .2	+85	+52	+0 ["] .2	+0 ["] .2	+0 ["] .2	Ca w
692	12 17 01 44 ^{a h m s} .2	+72	+70	+0 ["] .2	+0 ["] .2	+0 ["] .3	Ca	1425	18 18 15 16 ^{a h m s} .7	+87	+50	-0 ["] .3	-0 ["] .3	-0 ["] .2	Cd
692	12 17 03 44 ^{a h m s} .5	+75	+66	-0 ["] .4	-0 ["] .4	-0 ["] .3	Cd	1427	18 18 49 32 ^{a h m s} .8	+93	-37	-1 ["] .7	-1 ["] .7	-1 ["] .8	Dr
692	12 17 03 45 ^{a h m s} .5	+75	+66	-0 ["] .4	-0 ["] .4	-0 ["] .3	Cf	1427	18 19 03 18 ^{a h m s} .2	+99	-15	+1 ["] .0	+1 ["] .0	+0 ["] .9	Ca
692	12 17 33 26 ^{a h m s} .92	-99	-16	+1 ["] .0		+1 ["] .0	N1 D	1427	18 19 05 52 ^{a h m s} .3	+99	-17	+0 ["] .9	+0 ["] .9	+0 ["] .8	Cd
692	12 17 38 19 ^{a h m s} .3	-67	+74	+1 ["] .3		+1 ["] .5	Ns	1434	18 21 32 03 ^{a h m s} .4	+94	-34	-0 ["] .9	-0 ["] .9	-1 ["] .0	Pa 2
692	12 17 46 59 ^{a h m s} .0	-99	-14	+6 ["] .2		+5 ["] .2	Qc A R	1434	18 21 52 52 ^{a h m s} .5	+96	+28	-0 ["] .2	-0 ["] .2	-0 ["] .2	Pg B
692	12 18 00 47 ^{a h m s} .8	-78	+63	+0 ["] .5		+0 ["] .6	Cg	1466	19 03 18 54	+88	+47	+0 ["] .5	+0 ["] .5	+0 ["] .5	Sw
692	12 18 04 21 ^{a h m s} .7	-79	+62	+0 ["] .4		+0 ["] .6	Cd	1466	19 03 20 01 ^{a h m s} .59	+98	-22	-0 ["] .1	-0 ["] .1	-0 ["] .2	Tk
692	12 18 04 26 ^{a h m s} .9	-79	+62	+0 ["] .5		+0 ["] .6	Ce	1531	19 18 29 26 ^{a h m s} .9	+58	-82	-1 ["] .1	-1 ["] .1	-1 ["] .3	Ca w
692	12 18 08 08 ^{a h m s} .3	-99	+17	+0 ["] .2		+0 ["] .3	Qp E	1531	19 18 30 05 ^{a h m s} .9	+53	-85	-1 ["] .7	-1 ["] .7	-1 ["] .9	Cg
729	13 00 12 20 ^{a h m s} .8	+97	+23	-0 ["] .6	-0 ["] .6	-0 ["] .6	Tp A v	1531	19 18 31 32 ^{a h m s} .3	+55	-83	+2 ["] .9	+2 ["] .9	+2 ["] .7	Cd R
729	13 00 22 30 ^{a h m s} .6	+90	+43	-2 ["] .5	-2 ["] .5	-2 ["] .5	Tn D R	1547	19 21 49 51 ^{a h m s} .7	+58	-82	-0 ["] .7	-0 ["] .7	-0 ["] .9	Ca
829	13 19 38 24 ^{a h m s} .9	+86	+52	+0 ["] .3	+0 ["] .3	+0 ["] .4	Mn B g	1547	19 21 51 43 ^{a h m s} .28	+61	-79	+0 ["] .7	+0 ["] .7	+0 ["] .5	Ch
829	13 19 45 18 ^{a h m s} .2	+78	+63	+0 ["] .4	+0 ["] .4	+0 ["] .5	Ns	1547	19 21 52 31 ^{a h m s} .4	+59	-81	-0 ["] .1	-0 ["] .1	-0 ["] .3	Cd
829	13 19 46 39 ^{a h m s} .9	+93	+36	-0 ["] .4	-0 ["] .4	-0 ["] .4	Dt	1547	19 21 52 35 ^{a h m s} .6	+59	-81	-0 ["] .3	-0 ["] .3	-0 ["] .5	Ce
829	13 20 01 44 ^{a h m s} .3	+78	+63	+0 ["] .7	+0 ["] .7	+0 ["] .8	Cg	2128	25 04 12 11 ^{a h m s} .6	-98	-21	+0 ["] .5		+0 ["] .5	Tp D
829	13 20 02 58	+79	+62	+0 ["] .1	+0 ["] .1	+0 ["] .2	Cj	2223	25 23 37 45 ^{a h m s} .1	+60	-80	+0 ["] .7		+0 ["] .5	Gj A
871	14 02 57 11 ^{a h m s} .3	+78	+62	+0 ["] .2	+0 ["] .2	+0 ["] .3	Tp A v	2399	27 03 07 07 ^{a h m s} .54	-69	+72	-0 ["] .9		-0 ["] .7	N1 3
871	14 03 05 12 ^{a h m s} .8	+61	+79	-0 ["] .1	-0 ["] .1	0 ["] .0	Sz	2687	28 23 32 22 ^{a h m s} .4	-75	-66	-0 ["] .1		-0 ["] .2	Pa A
913	14 11 33 54 ^{a h m s} .8	+79	-61	+0 ["] .5	+0 ["] .5	+0 ["] .4	Ao A g	2865	30 01 43 08 ^{a h m s} .4	-59	+81	-2 ["] .8		-2 ["] .6	Pa 2
985	14 21 53 49 ^{a h m s} .5	+100	-7	-1 ["] .7	-1 ["] .7	-1 ["] .8	Mn A f	3005	31 01 18 25 ^{a h m s} .0	-91	+41	0 ["] .0		+0 ["] .1	Pa A
985	14 22 04 43 ^{a h m s} .5	+99	-14	+0 ["] .4	+0 ["] .4	+0 ["] .3	Ds f								
985	14 22 05 02	+99	-15	-0 ["] .2	-0 ["] .2	-0 ["] .3	Dt								
985	14 22 07 00 ^{a h m s} .6	+98	+18	+0 ["] .3	+0 ["] .3	+0 ["] .3	Ca								
985	14 22 07 25 ^{a h m s} .4	+99	+15	+0 ["] .2	+0 ["] .2	+0 ["] .2	Cg								
985	14 22 09 15 ^{a h m s} .2	+98	+19	0 ["] .0	0 ["] .0	0 ["] .0	Cd								
985	14 22 27 40 ^{a h m s} .45	+52	-85	+0 ["] .4	+0 ["] .4	+0 ["] .2	N1 2								
995	14 22 30 45 ^{a h m s} .3	+83	+56	0 ["] .0	0 ["] .0	+0 ["] .1	Ai A g								
1109	15 23 12 38 ^{a h m s} .1	+37	-93	+0 ["] .4	+0 ["] .4	+0 ["] .2	Ai B g								
1114	16 01 32 58 ^{a h m s} .2	+97	+24	-0 ["] .4	-0 ["] .4	-0 ["] .4	Cg								
1114	16 02 02 20 ^{a h m s} .24	+83	-56	-0 ["] .4	-0 ["] .4	-0 ["] .5	N1 D								
1192	16 16 38 25 ^{a h m s} .1	+82	-58	+1 ["] .0	+1 ["] .0	+0 ["] .8	Gj A								
1202	16 18 12 15 ^{a h m s} .4	+100	-8	+0 ["] .4	+0 ["] .4	+0 ["] .3	Pa B								
1202	16 18 38 41 ^{a h m s} .8	+94	+33	+0 ["] .1	+0 ["] .1	+0 ["] .1	Pi A								
1336	17 22 42 43 ^{a h m s} .9	+95	-32	-0 ["] .1	-0 ["] .1	-0 ["] .2	Ds								
1336	17 22 43 04 ^{a h m s} .8	+95	-32	-0 ["] .2	-0 ["] .2	-0 ["] .3	Dt								
1336	17 22 47 54 ^{a h m s} .2	+100	+1	+0 ["] .2	+0 ["] .2	+0 ["] .2	Ca q								
1336	17 22 48 11 ^{a h m s} .5	+98	-21	+1 ["] .7	+1 ["] .7	+1 ["] .6	Ks D f								
Lunation 251 1943 Apr. 4 - May 4								Lunation 251 1943 Apr. 4 - May 4							
	^{a h m s}								^{a h m s}						
	7 20 22 23 ^{a h m s} .4	+21	-98	+1 ["] .6	+1 ["] .5	+1 ["] .4	Mn B fc	508	7 20 22 23 ^{a h m s} .4	+21	-98	+1 ["] .6	+1 ["] .5	+1 ["] .4	Mn B fc
	8 18 57 25 ^{a h m s} .8	+79	-62	+0 ["] .3	+0 ["] .2	+0 ["] .1	Ch	635	8 18 57 25 ^{a h m s} .8	+79	-62	+0 ["] .3	+0 ["] .2	+0 ["] .1	Ch
	8 18 58 16 ^{a h m s} .0	+78	-63	+0 ["] .2	+0 ["] .1	0 ["] .0	Cd	635	8 18 58 16 ^{a h m s} .0	+78	-63	+0 ["] .2	+0 ["] .1	0 ["] .0	Cd
	8 18 58 18 ^{a h m s} .9	+78	-62	-0 ["] .1	-0 ["] .2	-0 ["] .3	Ce	635	8 18 58 18 ^{a h m s} .9	+78	-62	-0 ["] .1	-0 ["] .2	-0 ["] .3	Ce
	9 02 09 29 ^{a h m s} .9	+20	-98	+1 ["] .3	+1 ["] .2	+1 ["] .1	Tp A v	685	9 02 09 29 ^{a h m s} .9	+20	-98	+1 ["] .3	+1 ["] .2	+1 ["] .1	Tp A v
	9 02 52 59 ^{a h m s} .5	+88	-47	0 ["] .0	-0 ["] .1	-0 ["] .2	Su	692	9 02 52 59 ^{a h m s} .5	+88	-47	0 ["] .0	-0 ["] .1	-0 ["] .2	Su
	9 02 56 07 ^{a h m s} .7	+89	-45	-0 ["] .1	-0 ["] .2	-0 ["] .3	Tp A v	692	9 02 56 07 ^{a h m s} .7	+89	-45	-0 ["] .1	-0 ["] .2	-0 ["] .3	Tp A v
	9 03 21 36 ^{a h m s} .1	+14	-99	+1 ["] .6	+1 ["] .5	+1 ["] .4	Sp	692	9 03 21 36 ^{a h m s} .1	+14	-99	+1 ["] .6	+1 ["] .5	+1 ["] .4	Sp
	9 03 36 34 ^{a h m s} .5	-34	-94	+0 ["] .7		+0 ["] .6	Sp	692	9 03 36 34 ^{a h m s} .5	-34	-94	+0 ["] .7		+0 ["] .6	Sp
	9 17 39 20 ^{a h m s} .5	+75	-66	+1 ["] .4	+1 ["] .3	+1 ["] .2	Pg B	764	9 17 39 20 ^{a h m s} .5	+75	-66	+1 ["] .4	+1 ["] .3	+1 ["] .2	Pg B
	10 03 10 46 ^{a h m s} .9	+30	-95	-1 ["] .2	-1 ["] .3	-1 ["] .4	Tn B	814	10 03 10 46 ^{a h m s} .9	+30	-95	-1 ["] .2	-1 ["] .3	-1 ["] .4	Tn B
	10 05 25 46 ^{a h m s} .69	+78	+62	-1 ["] .4	-1 ["] .5	-1 ["] .4	Tk								

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 251 1943 Apr. 4 - May 4								Lunation 252 1943 May 4 - June 2							
	d h m s			"	"	"			d h m s			"	"	"	
947	11 01 03 15.7	+89	+46	-0.5	-0.6	-0.6	Tn B	1245	10 19 25 38.4	+65	+76	+0.5	+0.4	+0.3	Pe
1060	11 22 04 56.61	+59	+81	+0.4	+0.4	+0.4	N1 3	1259	10 22 02 21.0	+70	-71	+1.7	+0.8	+0.9	Ai A g
1060	11 22 04 58.7	+59	+81	+0.2	+0.2	+0.2	Nj	1260	10 23 17 04.65	+60	+80	+0.4	+0.3	+0.3	Ns
1175	12 19 55 37.17	+80	+60	0.0	-0.1	0.0	N1 3	1260	10 23 17 34.5	+71	+70	-0.2	-0.4	-0.4	Mn B e
1175	12 19 55 38.5	+80	+60	+0.8	+0.7	+0.8	Nj	1262	10 23 42 08.15	+88	+48	+0.2	-0.2	-0.2	Ns
1186	12 22 17 21.6	+98	+18	+0.3	+0.2	+0.2	Ai A g	1262	10 23 44 58.2	+92	+40	-0.7	-1.2	-1.2	Mn B e
1275	13 17 26 28.87	+89	+45	-0.4	-0.5	-0.5	Pc	1319	11 10 44 16.0	+98	+19	+0.9	+0.2	+0.3	An B
1385	14 18 22 23.0	+85	-52	-0.8	-0.9	-1.0	Pi A	1319	11 10 44 18.6	+98	+18	+0.8	+0.1	+0.2	Ao A g
1385	14 18 22 42.3	+84	-54	-0.4	-0.5	-0.6	Pg B	1371	11 22 38 24.1	+83	+56	+0.4	0.0	0.0	Ca
1385	14 18 31 15.3	+22	-98	-0.5	-0.6	-0.7	Pa 2	1371	11 22 39 00.7	+84	+55	+0.9	+0.5	+0.5	Cg
1385	14 18 31 17.87	+21	-98	-0.8	-0.9	-1.0	Pc	1371	11 22 39 43.9	+81	+58	+0.6	+0.2	+0.2	Cf
1415	15 02 46 12.4	+40	-91	+0.9	+0.8	+0.7	Ai A g	1371	11 22 39 44.6	+81	+58	+0.2	-0.2	-0.2	Ce
1420	15 03 43 34.6	+96	-29	-0.8	-0.9	-1.0	Ai A g	1371	11 22 39 51	+81	+58	-3.5	-3.8	-3.8	Cb R
1425	15 04 00 42.2	+99	-14	+0.7	+0.6	+0.5	TP A	1371	11 22 57 40.39	+97	-23	0.0	-0.8	-0.8	N1 2
1425	15 04 00 49.6	+100	+ 8	0.0	-0.1	-0.1	Tn B	1466	12 21 21 56.9	+51	+86	-0.1	-0.1	-0.1	Ns
1425	15 04 01 25.4	+100	+ 1	+0.7	+0.6	+0.6	Sz	1466	12 21 22 22.01	+100	+ 4	+1.3	+0.6	+0.6	N1 3
1427	15 04 57 26.6	+92	-39	-2.5	-2.6	-2.7	Tn B	1466	12 21 22 30.0	+100	+ 4	+1.2	+0.5	+0.5	Nj
1522	16 01 15 21.0	+97	+25	+0.4	+0.3	+0.3	TP A	1466	12 21 36 50.3	+51	+86	+0.1	+0.1	+0.1	Ks D s
1522	16 01 24 28.2	+90	+43	-0.3	-0.4	-0.4	Sz	1466	12 21 41 15.2	+69	+73	+0.6	+0.4	+0.4	Qp A
1522	16 01 28 26.9	+85	+53	+0.2	+0.1	+0.1	Tn B	1481	13 02 06 06.7	+97	-23	+0.2	-0.6	-0.6	Ai A gc
1529	16 04 14 22.2	+72	+69	0.0	0.0	0.0	Ai A g	1487	13 02 01 11	+100	0	+2.5	+1.7	+1.8	Tj
1531	16 04 40 43.4	+27	+96	+2.6	+2.6	+2.7	Tn B	1487	13 02 01 44.4	+98	+20	+0.3	-0.4	-0.3	Sp
1547	16 07 26 20.5	+68	-73	+1.1	+1.0	+0.9	Tn B	1487	13 02 05 59	+100	- 6	+1.0	+0.2	+0.3	Sn
1547	16 07 30 01.4	+63	-78	+0.6	+0.5	+0.4	Sz	1487	13 02 08 31	+100	+10	+0.8	+0.1	+0.1	St
1547	16 07 36 48.7	+50	-87	-0.1	-0.2	-0.3	TP A	1487	13 03 33 33	-87	+49	0.0		+0.8	St
1562	16 10 10 57.4	+96	+29	-0.6	-0.7	-0.7	Ao B g	1529	13 12 32 42.6	+99	-15	+1.4	+0.6	+0.6	An B
1609	16 21 54 10.12	+100	- 3	+0.9	+0.8	+0.8	N1 3	1921	17 03 25 41.4	+84	-54	+0.6	-0.3	-0.2	TP A c
1609	16 22 30 55.6	+66	+75	+0.1	+0.1	+0.1	Qp A	2128	18 20 00 41.1	+74	+67	-0.5	-0.8	-0.8	Qp A
1821	18 21 45 14.25	+69	-72	+0.5	+0.4	+0.3	Ns	2638	22 06 45 36.9	-89	-46	+0.3		+0.8	TP A
1821	18 21 45 29.75	+69	-72	+1.1	+1.0	+0.9	Ns	2639	22 06 34 26.3	-65	+76	-2.3		-1.6	TP A
1821	18 21 46 31.4	+53	-85	+0.3	+0.2	+0.1	Mn B k	3064	24 21 05 49.6	-43	+90	+0.9		+1.5	Pf
1821	18 21 46 48.6	+53	-85	+0.9	+0.8	+0.7	Mn A k								
1821	18 21 52 37.4	+53	-85	-1.6	-1.7	-1.8	Db								
1821	18 21 52 40.4	+53	-85	+1.0	+0.9	+0.8	Dr								
1821	18 21 55 26.0	+51	-86	-0.2	-0.3	-0.4	Dt								
1821	18 22 33 05.1	-71	-71	+2.8		+2.8	Mn B R	1077	5 15 50 51.3	+87	+50	+0.3	+0.7	+0.8	Pa A d
1821	18 22 41 34.25	-83	-56	+4.7		+4.8	Ns R	1236	7 00 49 01.0	+70	-71	+1.6	+0.2	+0.3	Tn B
2372	23 05 35 46.2	-100	+ 5	-0.9		-0.7	Ai A cf	1236	7 00 52 49.4	+64	-77	+0.6	-0.8	-0.8	Sz
2629	24 21 19 58.5	-31	+95	-1.4		-1.2	Gj A	1319	7 18 25 30.8	+100	+ 3	+0.4	0.0	+0.1	Pg B
2666	25 03 19 22.47	-94	-35	+0.8		+0.9	N1 E	1319	7 18 25 51.1	+100	+ 5	+0.9	+0.6	+0.6	Pi A
2687	25 05 26 13.5	-74	+67	+1.0		+1.2	Ai A p	1319	7 18 26 09.2	+100	+ 8	+0.6	+0.3	+0.4	Pf n
2814	25 23 22 14.6	-99	+12	-2.3		-2.1	Pa R	1335	7 22 21 41.4	+96	-30	-0.1	-0.9	-0.9	Ai A g
2825	26 01 06 04.5	-58	-81	+0.9		+0.9	Pa B	1449	9 01 34 56.4	+97	+23	+0.2	+0.2	+0.2	Tn A
2981	27 03 44 23.52	-78	+62	-0.1		+0.1	N1 E	1449	9 01 35 51.2	+99	+16	+0.6	+0.4	+0.5	Sz
13	1 03 36 53.7	-74	-68	-0.7		-0.7	Pa B	1501	9 13 45 02.3	+76	-65	+2.6	+1.3	+1.4	Gj A
Lunation 252 1943 May 4 - June 2								1625	10 20 10 08.50	+86	+51	-0.9	-0.5	-0.4	Pc
	d h m s			"	"	"		1625	10 20 10 15.8	+86	+51	-1.0	-0.6	-0.5	Pa 2
796	7 08 06 29.5	+79	+62	+0.2	-0.1	-0.1	Ao B g	1644	10 23 43 39.4	+99	-11	+0.7	+0.1	+0.2	Mn B sh
995	8 15 45 21.6	+80	-60	+0.5	-0.4	-0.3	Pg B	1733	11 20 02 34.8	+82	-58	+1.6	+0.4	+0.4	Pf
995	8 15 45 21.6	+81	-59	-0.1	-1.0	-0.9	Pi A	1733	11 20 03 18.8	+80	-60	+0.7	-0.5	-0.5	Pi A
1130	9 19 47 29.6	+74	+68	-0.6	-0.9	-0.9	Qc A	1733	11 20 03 51.2	+78	-63	+0.3	-1.0	-0.9	Pg B
1175	10 04 39 26.79	+99	+12	+0.4	-0.3	-0.2	Tk	1741	11 22 29 38.1	+87	+49	-0.4	0.0	0.0	Pa B
1175	10 04 46 44	+100	+ 4	+0.7	0.0	0.0	Sw	1856	12 22 54 07.1	+99	-13	+1.1	+0.5	+0.6	Ai A p
								1965	13 23 39 28.4	+98	-21	+1.1	+0.4	+0.5	Pa B h
								1976	14 01 06 52.62	+86	+51	0.0	+0.4	+0.5	N1 4

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.		p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.		p	q	$\Delta\sigma$	R_1	R_2	Codes		
Lunation 253 1943 June 2 - July 2									Lunation 254 1943 July 2 - Aug. 1										
1978	d	h	m	s					2666	d	h	m	s						
1978	14	01	35	17.41	+95	+32	-0.5	-0.4 -0.3	N1 3 n	2666	16	06	57	38.6	+82	+58	-0.6	0.0 +0.2	Tn A
2141	15	07	30	04.7	+86	-52	+0.9	-0.2 -0.2	Ao A g	669	27	01	32	23.2	-100	-9	+0.9	+0.7	Ks C
2223	16	01	17	51.72	+80	+60	-1.3	-0.7 -0.7	N1 2	669	27	01	37	52.8	-100	-6	+2.2	+2.1	Cg
2372	17	00	13	20.3	+77	+64	-0.8	-0.1 -0.1	Pa A	671	27	01	35	27.2	-90	-43	+0.8	+0.2	Cg
2372	17	00	38	21.7	+60	+80	-0.5	+0.5 +0.5	Pe	677	27	02	30	42.8	-95	+30	-4.9	-4.5	Ks D R
3071	21	07	06	54.3	-91	-41	+1.0	+0.7	Tp A	677	27	02	30	42.9	-95	+30	-4.7	-4.5	Ks C R
3173	21	22	48	38.5	-99	+14	-1.2	-0.7	Pa B	685	27	03	02	55.5	+99	+16	+1.0	+1.3	Ks C
3347	23	03	37	44.19	-100	-8	-0.5	-0.3	N1 2	685	27	03	38	36.57	-97	-26	+0.3	-0.1	N1 3
364	27	08	55	34.4	+97	-24	-1.4	-2.1	Tp A n	685	27	03	42	42.5	-96	-29	+0.9	+0.5	Qc B
364	27	10	00	07.6	-89	-46	+0.6	+0.2	Tp A	692	27	03	48	18.13	+100	+4	-1.1	-1.0	N1 2
Lunation 254 1943 July 2 - Aug. 1									Lunation 255 1943 Aug. 1 - Aug. 30										
1487	d	h	m	s					2245	d	h	m	s						
1487	6	16	17	26.1	+94	-34	-0.7	-1.3 -1.1	Ks B s	2245	9	23	04	08.82	+70	+71	-1.0	-0.3 -0.4	N1 2
1487	6	16	17	26.4	+94	-34	-1.1	-1.7 -1.5	Ks C p	2372	10	18	43	40.6	+100	+10	+0.6	+0.9 +0.9	Pa B
1501	6	20	39	32.66	+85	+53	+0.6	+1.2 +1.3	N1 2	2372	10	19	15	41.9	+75	+66	-0.1	+0.6 +0.5	Pg B
1501	6	20	39	37.8	+85	+53	+0.3	+0.9 +1.0	Nj	2372	10	19	17	07.5	+72	+69	-0.7	0.0 -0.1	Pi A
1506	6	21	54	31.3	+87	+49	-0.7	-0.2 0.0	Ai A g	2372	10	19	18	23.1	+69	+72	-1.0	-0.3 -0.4	Pf
1796	9	19	24	17.1	+71	+71	+0.3	+1.1 +1.2	Pi A	2390	10	22	32	51.2	+87	-49	+0.4	+0.1 +0.3	Qc A
2043	11	23	49	18.59	+41	+91	-1.8	-0.7 -0.6	N1 2	2390	10	27	33	56.5	+93	-37	+0.4	+0.2 +0.4	Qp A
2047	11	23	58	16.12	+82	+57	-1.5	-0.9 -0.7	N1 2 d	2396	10	23	51	30.31	+92	+40	-1.3	-0.8 -0.8	N1 E
2128	12	17	06	01.3	+91	-41	+1.0	+0.3 +0.5	Gj A	2531	11	22	33	32.8	+87	-50	+0.8	+0.5 +0.7	Pa 2
2137	12	17	20	59.99	+87	-50	+1.2	+0.4 +0.6	Pc	2531	11	22	45	18.6	+99	-17	+0.3	+0.3 +0.5	Pi A
2137	12	17	21	07.2	+87	-50	+0.9	+0.1 +0.3	Pa 2	2573	12	04	37	57.0	+100	-9	+1.1	+1.2 +1.3	Ai A g
2137	12	17	29	59.5	+99	+14	+0.5	+0.5 +0.7	Pg B	2578	12	06	23	30.5	+46	+89	-1.8	-1.0 -1.1	Ai A g
2137	12	17	30	02.6	+98	+19	-0.1	0.0 +0.2	Pf	2666	12	16	32	57.1	+96	-27	-2.3	-2.4 -2.2	Gj A
2137	12	17	30	14.0	+99	+17	+0.2	+0.3 +0.5	Pi A	2697	12	19	48	01.6	+100	-9	-1.0	-0.9 -0.8	Qp A
2137	12	17	39	36.8	+100	+1	+0.9	+0.8 +1.0	Pe	2697	12	19	57	44	+100	+10	0.0	+0.3 +0.3	Cb
2141	12	17	41	01.80	+98	-20	+0.4	0.0 +0.2	Pc	2697	12	19	57	49.4	+100	+10	-0.1	+0.2 +0.2	Cd
2141	12	17	41	11.2	+98	-20	0.0	-0.4 -0.2	Pa 2	2708	12	21	52	26.4	+74	-67	-0.3	-0.7 -0.5	Cd
2141	12	18	01	59.2	+87	+49	-1.4	-0.9 -0.7	Pg B	2708	12	21	57	28.7	+56	-83	+1.5	+0.9 +1.2	Qp A
2141	12	18	02	50.4	+86	+52	-0.6	-0.1 +0.1	Pi A	2715	13	00	21	19.3	+62	+78	+0.1	+0.9 +0.7	Pa A
2141	12	18	03	19.2	+84	+55	-1.4	-0.8 -0.6	Pf	2724	12	23	35	20.6	+100	+4	+0.7	+0.9 +1.0	Ai A g
2158	12	21	56	44.74	+100	-9	+1.5	+1.2 +1.4	N1 4	2757	13	03	51	30.22	+99	-17	-1.0	-1.0 -0.8	Tk
2167	13	00	43	40.80	+76	+65	-0.9	-0.2 0.0	N1 A d	3173	15	17	49	35.7	+94	+34	-0.4	+0.1 +0.1	Pa A zp
2240	13	13	47	27.9	+93	+37	-0.6	-0.3 -0.1	Ao A g	3173	15	18	03	39.7	+71	+71	-1.1	-0.4 -0.5	Pd z
2279	13	19	03	52.13	+99	+17	+0.4	+0.5 +0.7	Pc	3173	15	18	18	24.0	+12	+99	-0.1	+0.8 +0.5	Pf nz
2279	13	19	04	03.2	+99	+17	+0.1	+0.2 +0.4	Pa 2	3526	18	03	48	21.3	-99	+17	-0.1	-0.3	Ai A cg
2279	13	19	40	07.1	+77	+64	-0.6	+0.1 +0.3	Pe	368	20	23	48	09.6	-96	-28	+1.7	+1.3	Pa B
2279	13	19	45	46.2	+47	+88	-1.0	+0.1 +0.2	Pi A	401	21	06	13	00.4	-100	-2	+1.2	+0.9	Ai A g
2279	13	19	48	47.2	+40	+92	-1.4	-0.3 -0.2	Pf n	498	22	03	06	53.62	-96	-27	+0.5	+0.1	N1 2
2291	13	21	02	37.4	+74	-67	+0.5	-0.5 -0.3	Dr	508	22	04	14	26.12	+75	-66	+0.6	+0.4	N1 A
2291	13	21	05	37	+74	-67	+0.7	-0.3 -0.1	Dt	508	22	05	07	04.75	-49	-87	+1.3	+0.6	N1 A c
2291	13	21	12	03.3	+86	-51	+0.5	-0.3 -0.1	Ca	626	23	01	28	55.11	-91	-42	+0.2	-0.3	N1 2
2291	13	21	15	06.5	+86	-51	-0.1	-0.9 -0.7	Cd	626	23	01	32	36.9	-90	-44	+0.4	-0.1	Qc A
2291	13	21	21	04.3	+71	-70	+0.8	-0.2 0.0	Qp A	635	23	02	39	23.61	+81	-59	-0.5	-0.6	N1 D
2448	14	21	44	34.85	+91	+41	-0.4	0.0 +0.2	N1 3	635	23	02	47	39.5	+77	-64	-0.4	-0.6	Qc A
2448	14	21	57	55.0	+84	+54	-1.4	-0.8 -0.7	Qc B	635	23	03	29	34.61	-61	-79	-0.5	-1.1	N1 A
2448	14	22	22	53.9	+61	+79	-0.6	+0.3 +0.4	Qp A f	635	23	03	36	35.6	-55	-84	-0.5	-1.2	Qc A
2638	16	01	29	36.8	+89	-46	+0.6	-0.1 +0.1	Tp A										
2638	16	01	36	14.2	+96	-28	-2.6	-3.1 -2.9	Tn A R										
2639	16	01	52	54.2	+38	+92	-1.2	-0.1 0.0	Sz										
2666	16	06	54	51.6	+85	+52	-1.3	-0.8 -0.6	Tp D										
2666	16	06	57	12.0	+84	+55	-1.0	-0.4 -0.2	Sz										

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 255 1943 Aug. 1 - Aug.30								Lunation 256 1943 Aug.30 - Sept.29							
	d h m s								d h m s						
659	23 06 10 48.5	-98	-22	+1.3	"	+0.9	Tp E	462	18 03 40 08.0	-59	+81	+0.8	"	+1.8	Tp C
667	23 07 43 51.7	-86	+51	+0.9		+1.0	Tp E	608	19 06 00 14.9	-82	-58	-0.7		-0.8	Tp C
669	23 06 48 55.3	+57	-82	+1.7		+1.4	Tp E n	1487	26 11 11 04.0	+82	-58	+0.7		-0.3	Ks A
669	23 07 19 13.7	-34	-94	+0.6		-0.1	Tp E n	1487	26 11 11 04.1	+82	-58	+0.6		-0.4	Ks C
677	23 08 44 41.6	-66	-75	0.0		-0.6	Tp E	1487	26 11 11 04.3	+82	-58	+0.6		-0.4	Ks D p
764	24 01 43 10.7	-64	-77	+0.1		-0.5	Pa B								
Lunation 256 1943 Aug.30 - Sept.29								Lunation 257 1943 Sept.29 - Oct.29							
	d h m s								d h m s						
2223	6 01 31 34.5	+97	+26	0.0	-0.3	-0.3	Ta A	2047	1 18 50 48.30	+23	+97	-0.5	+0.3	0.0	N1 A d
2223	6 01 40 21.	+99	+14	+1.2	+0.7	+0.8	Si	2158	2 17 51 28.3	+63	+78	-0.6	-0.2	-0.4	Qp A
2325	6 18 33 34.3	+100	-8	+0.9	+0.2	+0.3	Pi A	2291	3 18 15 30.1	+100	-9	+0.2	-0.5	-0.3	Qp C
2341	6 20 58 09.66	+77	-64	+1.8	+0.7	+0.8	N1 2	2463	5 00 35 54.8	+98	+17	+1.7	+1.3	+1.4	Tp C
2508	8 01 01 10.8	+72	+70	-0.4	-0.1	-0.2	Ai A cs	2571	5 17 42 34.58	+97	-24	-1.6	-2.4	-2.2	Pc
2573	8 12 31 29.7	+95	+32	+0.1	-0.2	-0.2	Ao A cg	2571	5 17 42 42.49	+97	-24	-1.4	-2.2	-2.0	Pa B c
2573	8 12 31 30.1	+95	+32	+0.1	-0.2	-0.2	An B	2571	5 18 04 02.5	+99	+15	+0.9	+0.5	+0.6	Pi A
2611	8 16 32 01.3	+86	-50	+0.8	-0.2	-0.1	Pi A	2571	5 18 04 26.9	+99	+17	+0.9	+0.5	+0.6	Pf
2611	8 16 32 22.1	+85	-53	+2.1	+1.0	+1.2	Pg B	2633	6 02 38 24.70	+54	-84	+2.3	+1.2	+1.5	Tk
2611	8 16 48 04.3	+69	-73	+0.1	-1.1	-0.9	Pe	2638	6 03 12 57.38	+92	+40	+0.1	-0.1	0.0	Tk
2629	8 20 12 01.6	+68	-73	+0.8	-0.4	-0.2	Pf	2638	6 03 49 36.6	+99	-15	+0.4	-0.3	-0.1	Sp f
2629	8 20 13 05.9	+65	-76	+0.4	-0.8	-0.6	Pi A	2639	6 04 20 37.6	+1+100	-1.4	-0.5	-0.7	Sp	
2638	8 20 58 06.00	+98	-18	+0.5	-0.3	-0.2	N1 D	2757	6 20 44 17.6	+39	+92	+0.6	+1.2	+1.0	Qc A
2638	8 20 59 26.3	+99	+15	+1.4	+0.9	+1.0	Dr	2759	6 20 19 21.0	+96	-29	-1.6	-2.4	-2.2	Ns R
2638	8 21 07 49.4	+100	+9	+1.8	+1.3	+1.3	Ks A	2759	6 20 35 29.8	+87	-49	+0.9	-0.1	+0.2	Ks D
2638	8 21 07 49.5	+100	+9	+1.8	+1.3	+1.3	Ks 2	2759	6 20 35 30.1	+87	-49	+0.9	-0.1	+0.2	Ks A
2638	8 21 07 50.0	+100	+9	+1.7	+1.2	+1.2	Ks F	2759	6 20 45 43.4	+64	-77	+2.5	+1.4	+1.7	Qc A
2638	8 21 16 13.3	+100	-7	+0.4	-0.3	-0.2	Qp C	2797	7 01 02 46.3	+85	-52	+1.8	+0.8	+1.1	Ta A
2642	8 21 48 28.45	+88	+48	-0.7	-0.8	-0.8	N1 2	2797	7 01 04 27.6	+82	-57	+1.6	+0.6	+0.9	Su
2666	9 00 42 26.6	+56	+83	-0.7	-0.2	-0.3	Sh	2797	7 01 18 11.5	+73	-68	-0.6	-1.7	-1.4	Sm
2666	9 00 42 55	+55	+83	-0.6	-0.1	-0.2	Sj 2	2797	7 01 35 04.1	+57	-83	+2.7	+1.6	+1.9	Tp C
2666	9 00 42 56.7	+55	+83	-0.4	+0.1	0.0	Sg	2797	7 01 35 47.0	+64	-77	+0.7	-0.4	-0.1	Tn B
2666	9 01 08 33.3	+46	+89	-0.9	-0.3	-0.4	Sd	2797	7 01 35 47.1	+64	-77	+0.7	-0.4	-0.1	Tn C
2679	9 03 31 57.6	+56	-83	+2.1	+0.9	+1.1	Sz	2797	7 02 14 45.1	-45	-89	+1.8		+1.4	Tn A
2724	9 08 26 12.2	+92	+40	+0.1	0.0	-0.1	An B	2854	7 10 05 42.3	+99	+15	+1.2	+0.8	+0.9	Ao A c
2797	9 17 56 55.1	+56	-83	+3.0	+1.8	+2.0	Cg	2886	7 16 34 34.2	+93	+37	+0.8	+0.6	+0.6	Gj A
2797	9 17 57 18.2	+58	-82	+2.8	+1.6	+1.8	Ca q	2902	7 17 47 14.49	+100	-3	+0.4	-0.2	0.0	Pc
2797	9 17 58 09	+56	-83	+0.9	-0.3	-0.1	Cj	2902	7 17 47 25.40	+100	-3	+0.3	-0.3	-0.2	Pa B p
2797	9 18 42 15	-60	-80	+4.1		+3.7	Cd R	2902	7 18 16 25.0	+95	+31	+0.7	+0.4	+0.5	Pi A
2798	9 18 00 29.7	+66	-75	+0.3	-0.9	-0.7	Pa B cp	2902	7 18 17 06.8	+94	+34	-0.1	-0.3	-0.3	Pf
2798	9 18 10 20.6	+98	-22	-2.2	-3.0	-2.9	Pf	2940	8 01 40 44.3	+72	+69	-0.9	-0.7	-0.8	Tp C
2798	9 18 10 26.3	+96	+27	-1.9	-2.2	-2.2	Pg B	2940	8 01 47 55.4	+68	+73	-0.3	0.0	-0.1	Tn B
2798	9 18 10 26.5	+97	-25	+1.3	+0.4	+0.5	Pi A	3058	8 18 26 17.0	+99	+14	0.0	-0.4	-0.3	Qc A
2825	9 22 18 49.7	+70	+71	+0.2	+0.5	+0.4	Ai A g	3058	8 18 50 45.1	+93	+38	+0.1	-0.1	0.0	Ks D f
2825	10 00 05 01.9	+99	-17	-1.3	-2.1	-2.0	Pa B p	3058	8 18 50 45.3	+93	+38	-0.1	-0.3	-0.2	Ks A
2863	10 05 52 17.7	+100	+9	+1.1	+0.6	+0.6	Ai A cs	3058	8 18 50 45.7	+93	+38	-0.2	-0.4	-0.4	Ks C
2963	10 21 05 12.63	+97	+26	+1.0	+0.7	+0.7	N1 2	3058	8 18 58 27.9	+91	+41	+0.5	+0.4	+0.4	Cg
2990	11 01 03 53.9	+78	-63	+0.6	-0.5	-0.4	Ai A cs	3058	8 18 59 42	+92	+39	-3.1	-3.3	-3.2	Cj R
2994	11 01 28 36.6	+37	+93	-0.1	+0.6	+0.5	Sz	3058	8 19 01 40	+92	+38	+1.2	+1.0	+1.1	Cb
2994	11 01 34 20.8	+29	+96	-0.5	+0.3	+0.2	Tn B	3058	8 19 01 43	+92	+38	-0.3	-0.5	-0.4	Cd
3017	11 06 16 55.0	+85	+52	-0.6	-0.6	-0.6	Ta A	3058	8 19 01 53.8	+92	+39	+0.1	-0.1	0.0	Ch
3206	12 09 14 22.4	+97	-24	-0.7	-1.6	-1.4	An A	3071	8 21 53 11.77	+100	+7	+1.4	+0.9	+1.0	N1 3
3307	13 00 55 21.5	+77	+64	-0.3	-0.1	-0.2	Ai A cf	3071	8 22 01 27.5	+100	+2	+1.1	+0.5	+0.7	Qc A
327	17 02 58 10.9	+86	+51	+0.5	+0.5	+0.5	Pg B	3086	8 23 34 20.0	+92	-40	+1.2	+0.3	+0.5	Sm
444	17 23 10 49.99	+96	-29	+0.2		-0.6	N1 B	3086	8 23 45 00.1	+89	-46	+1.6	+0.7	+0.9	Tp C
								3181	9 15 20 52.7	+65	+76	-0.8	-0.5	-0.6	Gj A

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 257 1943 Sept. 29 - Oct. 29								Lunation 258 1943 Oct. 29 - Nov. 27							
	d h m s			"	"	"			d h m s			"	"	"	
3231	9 22 43 31.3	+83	-56	+1.4	+0.4	+0.7	Ai A g	3463	7 20 32 09.4	+66	-75	+0.8	+0.4	+0.6	Pf
3237	9 23 35 29.4	+100	+1	-0.4	-1.0	-0.8	Tp A	3463	7 20 32 55.0	+63	-78	+0.3	-0.1	+0.1	Pi B
3237	10 00 52 02.5	-99	-12	-1.0		-0.6	Tp A	3463	7 20 32 56.8	+61	-79	+0.9	+0.5	+0.6	Pg B
3262	10 04 25 46.1	+97	-24	-0.7	-1.5	-1.3	Ai A p	66	8 23 43 25.87	+59	-81	+0.2	-0.2	-0.1	N1 B d
3267	10 06 03 52.1	+89	-46	+0.3	-0.6	-0.4	Ai A ng	66	8 23 55 57.3	+75	-66	+0.6	+0.2	+0.4	Qp A
3268	10 05 47 06.0	+99	-12	-0.6	-1.3	-1.1	Tp A	170	9 17 02 05.0	+91	+41	-0.1	+0.2	+0.2	Gj A
3526	11 23 22 17.0	+97	+26	+0.1	-0.2	-0.2	Ai A g	192	9 19 35 03.00	+94	-35	-0.3	-0.5	-0.3	Pa A c
3535	12 01 35 40.9	+77	+63	-0.6	-0.5	-0.5	Ai A p	327	10 21 14 13.44	+92	+40	+0.4	+0.7	+0.8	Pa B
364	14 18 47 12.1	+98	+21	+2.0	+1.6	+1.7	Ks A p	730	13 20 24 00.63	-97	+24	-0.2		-0.3	Pa A
364	14 18 53 10.8	-97	+24	+1.6		+2.2	Cg	764	14 05 54 09.92	-86	+50	+0.9		+1.0	N1 3
508	15 22 17 01.2	+70	-72	+1.6		+0.8	Dt	895	15 01 37 24.25	-100	+4	+0.9		+0.7	N1 3
648	16 21 49 51.2	+29	+96	+1.0		+1.5	Pf n	1186	17 07 01 48.5	-98	-19	+0.4		+0.1	Tp A
648	16 22 27 10.0	-63	-77	+1.1		+1.9	Pf	1275	18 01 33 34.52	-100	-9	0.0		-0.2	N1 3
653	16 23 25 04.4	-100	+7	+0.6		+1.0	Pf	1275	18 02 02 13.4	-96	+27	-0.6		-0.6	Qp A
684	17 03 01 45.2	-82	+58	+2.0		+2.7	Ai A p								
Lunation 258 1943 Oct. 29 - Nov. 27								Lunation 259 1943 Nov. 27 - Dec. 27							
	d h m s			"	"	"			d h m s			"	"	"	
2704	2 17 45 48.8	+78	-63	+1.1	+0.8	+1.0	Qc A	2708	30 01 31 56	+56	+83	-0.4	-0.2	-0.2	Sw
2708	2 18 10 29.02	+79	+61	-1.2	-0.8	-0.8	N1 3	2859	30 23 15 41.2	+84	+55	-0.3	-0.5	-0.4	Ta A
2708	2 18 18 18.0	+80	+60	-0.9	-0.5	-0.5	Qc A	2859	30 23 27 23.9	+98	+20	+1.2	+0.7	+0.9	Tp A v
2708	2 18 25 43.2	+47	+88	-0.6	-0.1	-0.1	Ks 2 s	2977	1 18 53 38.02	+96	+28	+0.5	0.0	+0.3	N1 3
2710	2 19 15 25.23	+95	-31	-1.8	-1.9	-1.8	Pc	2977	1 18 58 46.4	+97	+24	-0.2	-0.7	-0.5	Qc A
2710	2 19 15 28.06	+95	-31	-1.5	-1.6	-1.5	Pa 2	3157	2 22 17 45.1	+83	+56	-0.5	-0.7	-0.6	Tp A v
2746	3 00 43 09.1	+57	-82	+2.6	+2.2	+2.3	Sm	3231	3 12 14 39.5	+95	-31	+0.7	-0.1	+0.2	Ao B g
2759	3 01 32 47.39	+97	+23	-2.3	-2.1	-2.0	Tk	3275	3 17 39 30	+78	+62	-1.9	-2.0	-1.9	Cj
2859	3 16 30 10.9	+97	+26	+0.4	+0.6	+0.7	Cd	3275	3 17 40 58.8	+79	+61	-0.6	-0.7	-0.6	Cd
2859	3 16 30 13.9	+97	+26	+0.9	+1.1	+1.2	Ce	3275	3 17 41 06	+79	+61	-4.8	-4.9	-4.8	Cb
2859	3 16 30 14.02	+97	+26	+0.6	+0.8	+0.9	Ch	3295	3 22 02 52.22	+99	+16	-0.2	-0.7	-0.5	Pa B w
2902	4 00 07 52.9	+95	+31	+0.2	+0.4	+0.5	Ai A g	3310	3 23 47 27.2	+67	+74	-0.9	-0.9	-0.8	Ai A g
2959	4 10 01 27.5	+100	+2	+1.5	+1.6	+1.7	An B	3375	4 12 44 43.2	+67	-74	+1.2	+0.3	+0.6	Ao B g
2959	4 10 01 29.5	+100	+2	+1.3	+1.4	+1.5	Ao A g	3419	4 17 49 05.89	+82	-57	+2.6	+1.7	+2.0	N1 3
3022	4 20 30 55.3	+95	+30	+2.3	+2.5	+2.6	Pg B R	3419	4 18 06 38.0	+96	-29	-0.6	-1.4	-1.1	Dr
3022	4 20 31 35.8	+95	+32	-0.1	+0.1	+0.2	Pi B	3419	4 18 08 47.9	+94	-34	-0.2	-1.0	-0.7	Ds f
3022	4 20 32 16.6	+94	+34	+0.2	+0.4	+0.5	Pf	3419	4 18 09 07	+94	-35	-0.4	-1.2	-0.9	Dt
3058	5 01 24 27.9	+91	+41	0.0	+0.3	+0.4	Tp A v	3422	4 20 01 31.32	+66	+75	-0.1	-0.1	0.0	Pa 3
3071	5 03 57 54	+77	+64	-1.4	-1.0	-1.0	Sw	3422	4 20 27 25.6	+55	+84	+0.6	+0.8	+0.8	Pg B
3173	5 21 51 11.0	+67	+75	-0.7	-0.2	-0.2	Pi B	3422	4 20 28 46.3	+53	+85	-0.3	-0.1	-0.1	Pi B
3173	5 21 52 16.8	+65	+76	-0.2	+0.3	+0.3	Pf	3449	4 23 31 02.1	+98	+18	+1.3	+0.8	+1.0	Ai A g
3206	6 02 10 11.2	+98	-20	-0.4	-0.5	-0.3	Ai B g	3463	5 02 22 00.5	+62	-79	+0.9	0.0	+0.3	Ai A g
3262	6 10 50 07.8	+86	+50	-0.5	-0.2	-0.1	Me A	49	6 02 08 28.0	+32	+95	-0.4	0.0	-0.1	Sp
3267	6 12 33 21.3	+55	+84	-0.4	+0.1	+0.1	Ao A g	49	6 02 35 40.0	+63	+78	+0.2	+0.3	+0.3	Tp A
3310	6 18 00 18.6	+10	+100	-0.4	+0.2	+0.1	Pg B	49	6 02 41 37.6	+59	+81	+0.6	+0.7	+0.7	Sz
3310	6 18 01 45.8	+62	+79	0.0	+0.5	+0.5	Pi B	49	6 02 44 56.4	+53	+85	+0.3	+0.5	+0.5	Tn B
3310	6 18 03 14.9	+59	+81	+0.3	+0.8	+0.8	Pf	150	6 20 07 52.87	+42	+91	+0.3	+0.6	+0.5	N1 2
3324	6 22 12 09.28	+90	+44	+0.2	+0.5	+0.6	Pa 2	192	7 03 44 28.2	+50	-87	+1.6	+0.7	+1.0	Ai A g
3324	6 22 32 16.4	+81	+58	-1.1	-0.7	-0.7	Pi B	303	8 00 14 40.0	+85	-53	+0.5	-0.4	0.0	Ai A cf
3324	6 22 33 11.4	+80	+60	0.0	+0.4	+0.4	Pf	322	8 04 45 51.1	+92	-39	+0.6	-0.2	+0.1	Ai A cs
3339	6 23 22 19.7	+99	-14	-0.1	-0.1	0.0	Tp A v	401	8 19 57 07.0	+25	+97	-0.3	+0.2	0.0	Gj A
3347	7 01 32 08.9	+40	+92	0.0	+0.6	+0.5	Tp A v	405	8 18 19 02.08	+55	+83	+0.7	+0.9	+0.8	N1 3
3394	7 10 09 49.3	+33	+94	+2.4	+3.0	+2.9	Me E R	405	8 18 24 39.6	+61	+79	-0.1	0.0	0.0	Qc A
3449	7 17 20 03.2	+93	+36	-0.3	0.0	0.0	Pg B	405	8 19 15 17.0	+32	+95	-0.1	+0.3	+0.2	Cd
3449	7 17 20 55.0	+93	+38	-0.7	-0.4	-0.4	Pi B	405	8 19 16 33.07	+30	+95	+0.1	+0.5	+0.4	Ch
3449	7 17 21 32.4	+92	+40	+0.1	+0.4	+0.4	Pf	995	13 00 18 57.4	-62	+78	+0.2		+0.8	Sz
								995	13 01 52 53.40	-95	-32	0.0		+0.2	N1 D

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 259 1943 Nov.27 - Dec.27								Lunation 260 1943 Dec.27 - 1944 Jan.25							
	d h m s			"	"	"			d h m s			"	"	"	
1077	13 15 16 43.5	+77	+63	-0.6	-0.6	-0.6	Gj A	627	6 18 55 31.5	+86	+52	-0.7	-0.7	-0.7	Qc C
1077	13 16 16 39.3	-94	+35	0.0	+0.5	+0.5	Gj A	627	6 19 22 08.7	+82	+57	-0.7	-0.7	-0.7	Qp A
1205	14 19 04 04.6	-83	+56	+0.8	+1.4	+1.4	Gj A	627	6 19 47 26.4	+47	+88	-0.5	-0.4	-0.5	Cg
1275	15 11 59 56.2	-100	-2	+1.7	+2.1	+2.1	Sz	627	6 19 50 37.5	+49	+87	0.0	0.0	0.0	Ch
1335	15 22 04 18.06	-84	+54	+0.7	+1.2	+1.2	Ch	636	6 21 04 30.5	+81	+59	-0.7	-0.7	-0.7	Qc C
2223	24 06 00 37.78	+93	-37	-1.0	-1.5	-1.5	N1 B	636	6 21 36 19.5	+62	+78	+0.2	+0.2	+0.2	Qp A f
2223	24 07 06 46.10	-100	-8	-1.1	-0.8	-0.8	N1 2	648	6 23 41 33.86	+84	-55	+0.9	+0.8	+0.9	Pa 2
2223	24 07 14 07.5	-67	+74	-1.5	-0.9	-0.9	Ns	650	6 23 31 25.0	+80	+60	-0.3	-0.3	-0.3	Qc C
Lunation 260 1943 Dec.27 - 1944 Jan.25								730	7 11 26 16.9	+89	-45	+0.3	+0.2	+0.3	An A
	d h m s			"	"	"		730	7 11 26 26.0	+89	-45	+0.3	+0.2	+0.3	Ao A g
3105	29 22 38 59.9	+98	+22	-0.5	-0.5	-0.5	Tp C	764	7 20 24 37.1	+55	-84	+1.8	+1.7	+1.8	Gj A
3105	29 22 41 11.4	+97	+23	-0.5	-0.5	-0.5	Tl	793	7 23 48 29.5	+36	+93	+0.2	+0.2	+0.2	Ai A
3115	30 00 02 21.0	+64	-77	+0.8	+0.7	+0.8	Ta A	798	8 00 31 51.8	+73	-68	+1.3	+1.2	+1.3	Ai A
3126	30 01 53 42.3	+99	-14	-0.9	-0.9	-0.9	Sr	888	8 14 01 42.2	+93	-37	-0.2	-0.2	-0.2	Gj A
3126	30 01 53 44.2	+99	-14	-1.6	-1.6	-1.6	Sp	894	8 15 36 03.2	+74	+67	-0.2	-0.2	-0.2	Gj A
3177	30 10 23 44.4	+98	+20	+1.1	+1.1	+1.1	Ao A c	913	8 19 09 36.5	+88	-47	-0.3	-0.4	-0.3	Nj
3177	30 10 23 46.7	+98	+20	+1.5	+1.5	+1.5	An B	913	8 19 16 59.8	+86	-50	-0.7	-0.8	-0.7	Qc A
3231	30 19 00 00.27	+93	+36	-0.1	-0.1	-0.1	Pc	913	8 19 35 53.6	+92	-39	+0.5	+0.4	+0.5	Qp A
3231	30 19 00 01.81	+93	+36	-0.6	-0.6	-0.6	Pa 3	915	8 22 11 06.2	+96	-29	+1.0	+1.0	+1.0	Gj A
3231	30 19 15 30.3	+84	+54	-0.6	-0.6	-0.6	Pf	940	9 00 39 57.9	+95	-30	-0.1	-0.2	-0.1	Ns
3275	31 00 38 38.6	+100	+5	-0.3	-0.3	-0.3	Sp	940	9 01 12 18.9	+70	-71	+1.2	+1.1	+1.2	Qp A f
3275	31 00 46 40.3	+94	+34	-0.2	-0.2	-0.2	Ta A	1493	13 18 28 09.8	-99	-17	+1.2	+1.2	+1.2	Gj A
3275	31 00 56 26.4	+100	-3	-0.6	-0.6	-0.6	Sz	2133	19 22 25 26.7	-93	+36	+0.9	+0.9	+0.9	Gj A
3355	31 15 55 39.0	+68	+73	-0.3	-0.3	-0.3	Gj A	2279	21 02 01 00.39	-99	-16	-0.5	-0.5	-0.5	Pa B
3375	31 18 52 16.6	+94	+35	-0.4	-0.4	-0.4	Pf	Lunation 261 1944 Jan.25 - Feb.24							
3419	1 00 50 57.0	+84	-54	+1.5	+1.4	+1.5	Ta A		d h m s			"	"	"	
3526	1 20 45 11.49	+81	+58	+0.2	+0.2	+0.2	Pa 2	62	29 18 06 06.3	+88	-47	-0.3	-0.5	-0.5	Pg B
106	2 18 53 48.2	+90	+44	+1.0	+1.0	+1.0	Nj	66	29 18 32 45.5	+57	+82	+0.3	+0.2	+0.3	Nj
106	2 18 53 48.20	+90	+44	+1.3	+1.3	+1.3	N1 3	66	29 18 32 50.44	+57	+82	+0.5	+0.4	+0.5	N1 3
106	2 19 03 51.0	+92	+39	+0.5	+0.5	+0.5	Qc A	66	29 18 39 17.4	+60	+80	+0.5	+0.4	+0.5	Qc C
106	2 19 22 26.9	+56	+83	+0.7	+0.7	+0.7	Dr	106	30 02 56 29.0	+100	+3	0.0	-0.2	-0.1	Ta A
106	2 19 22 29.4	+56	+83	+0.7	+0.7	+0.7	Db	178	30 13 10 17.2	+33	+94	+0.2	+0.2	+0.2	Gj A
210	3 13 23 34.4	+91	+42	+0.4	+0.4	+0.4	Hp A	208	30 18 22 02.0	+99	-17	+0.7	+0.5	+0.6	Qc A
364	4 16 16 18.6	+69	+72	+0.4	+0.4	+0.4	Dr	208	30 18 26 58.9	+93	+37	+0.8	+0.7	+0.7	Dr
364	4 16 18 13.8	+78	+62	+0.1	+0.1	+0.1	Ks A	208	30 18 26 59.1	+93	+38	+0.8	+0.7	+0.7	Db
364	4 16 18 14.5	+78	+62	-0.2	-0.2	-0.2	Ks C p	208	30 18 37 10.7	+100	-3	+0.8	+0.6	+0.7	Qp A
364	4 16 18 20.0	+78	+62	-2.3	-2.3	-2.3	Ks F p	208	30 18 38 11.2	+93	+37	+0.7	+0.6	+0.6	Cg
364	4 16 20 16.7	+57	+82	+0.1	+0.1	+0.1	Mn A	208	30 18 40 20	+94	+34	+0.1	0.0	0.0	Cd
364	4 16 26 15.3	+57	+82	+0.7	+0.7	+0.7	Ns	462	1 18 23 35.7	+99	-12	+0.1	-0.1	0.0	Qc A
364	4 16 28 19.8	+77	+64	+0.4	+0.4	+0.4	Cg	462	1 18 42 07.2	+80	+60	-0.4	-0.5	-0.5	Ns
364	4 16 30 11.5	+80	+60	-0.1	-0.1	-0.1	Cd	464	1 19 48 43.85	+74	-67	+0.4	+0.2	+0.2	Pc
364	4 16 30 57.8	+79	+61	-0.2	-0.2	-0.2	Ch	464	1 19 48 51.63	+74	-67	+0.6	+0.4	+0.4	Pa 3
401	4 23 43 01.8	+62	-78	+1.3	+1.2	+1.3	Ai A fc	618	2 23 37 25.56	+100	+4	-0.5	-0.7	-0.6	N1 2
405	5 00 10 05.2	+78	+62	-0.2	-0.2	-0.2	Sr	618	2 23 42 05.0	+99	+17	0.0	-0.2	-0.1	Qc A
405	5 00 10 11.0	+78	+62	-0.5	-0.5	-0.5	Sp	620	2 23 33 30.9	+67	+74	+0.6	+0.5	+0.6	Ai A fc
405	5 00 50 55.79	+92	+40	+0.2	+0.2	+0.2	Tp A pc	627	3 01 38 27.0	+100	0	-0.5	-0.7	-0.6	Sz
491	5 18 17 02.06	+79	-61	-1.0	-1.1	-1.0	N1 3	627	3 01 40 41.7	+100	+7	-1.1	-1.3	-1.2	Tn B
491	5 18 17 06.2	+79	-61	-1.1	-1.2	-1.1	Nj	636	3 03 48 15.2	+85	+52	0.0	-0.1	-0.1	Sz
491	5 18 53 54.8	+77	-64	-0.5	-0.6	-0.5	Qp A f	650	3 04 52 09	+92	+40	-0.9	-1.0	-1.0	Sw
516	6 00 40 31.15	+96	+29	+0.2	+0.2	+0.2	N1 2	697	3 11 31 54.9	+68	+73	+0.1	0.0	+0.1	Ao A g
516	6 01 01 39.8	+51	+86	+0.6	+0.6	+0.6	Qp A	764	4 00 20 56.29	+68	+73	+0.5	+0.4	+0.5	Tp A fc
526	6 01 40 29.4	+92	-40	-1.0	-1.1	-1.0	Sp	764	4 00 32 04.8	+62	+78	+0.3	+0.2	+0.3	Sz
526	6 01 40 30.0	+92	-40	-1.1	-1.2	-1.1	Sr	764	4 00 38 18.1	+55	+83	+0.5	+0.5	+0.5	Tn B

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 261 1944 Jan.25 - Feb.24								Lunation 262 1944 Feb.24 - Mar.24							
	d h m s								d h m s						
764	4 02 14 21.38	+42	+91	0.0	0.0	0.0	N1 3	837	2 19 14 53.99	+100	-6	-0.7	-0.3	-0.3	Pa 2
769	4 02 14 05.2	+51	+86	+0.5	+0.5	+0.5	Ai A fc	837	2 19 44 43.7	+98	+22	-0.5	-0.1	-0.1	Pe
787	4 06 23 21.7	+26	-97	-2.4	-2.5	-2.5	Tn A p	837	2 19 46 15.0	+93	+37	-1.3	-0.9	-0.9	Pi A
881	4 19 17 09.74	+83	+56	-0.3	-0.4	-0.4	Pc	881	3 02 31 08.0	+91	+41	-0.1	+0.2	+0.3	Ah A e
881	4 19 17 19.68	+83	+56	-0.3	-0.4	-0.4	Pa 3	888	3 04 27 15.43	+94	+34	-0.2	+0.2	+0.2	Tp C
888	4 21 02 54.0	+91	+41	+0.4	+0.3	+0.3	Nj	888	3 04 30 12.8	+86	+51	-0.3	0.0	0.0	Sz
888	4 21 02 55.78	+91	+41	-0.1	-0.2	-0.2	N1 3	888	3 04 31 28.2	+80	+60	-0.7	-0.4	-0.4	Tn A
888	4 21 17 05.4	+89	+46	-0.2	-0.3	-0.3	Qc A	895	3 05 40 12.4	+98	+19	-0.4	0.0	0.0	Tn A dc
895	4 22 47 39.51	+95	-32	+0.2	0.0	0.0	N1 4	895	3 05 42 32.23	+100	-4	-0.5	-0.1	-0.1	Tp C
895	4 22 47 48.5	+95	-32	-0.1	-0.3	-0.3	Nj	995	3 19 57 05.7	+97	+23	-0.2	+0.2	+0.2	Dr
895	4 22 56 38.1	+98	-20	+0.3	+0.1	+0.2	Qc A	995	3 19 58 07.1	+90	+44	-0.2	+0.2	+0.2	Ns
895	4 23 13 44.8	+68	+74	+0.9	+0.8	+0.9	Cg	995	3 20 15 58.9	+91	+41	+0.1	+0.4	+0.5	Cg
895	4 23 17 28.9	+64	+77	+0.1	0.0	+0.1	Cd	995	3 20 16 49.8	+90	+44	-0.5	-0.2	-0.1	Ca
913	5 02 50 06.1	+38	-93	+1.3	+1.2	+1.2	Tn B	995	3 20 20 00.6	+90	+43	-1.1	-0.8	-0.7	Cd
913	5 03 40 05.07	+93	-36	+0.3	+0.1	+0.1	N1 4	995	3 20 20 11.6	+89	+45	-0.8	-0.5	-0.4	Ch
915	5 02 36 45.2	+73	+69	+0.2	+0.1	+0.2	Sm	995	3 20 23 22.47	+99	+14	+0.3	+0.7	+0.7	Bv
915	5 02 46 55.35	+80	+60	-0.4	-0.5	-0.5	Tp C	995	3 21 08 55.6	-89	+46	+3.9		+3.4	Ns R
915	5 02 58 45.8	+69	+73	+0.3	+0.2	+0.3	Sz	1031	4 03 45 07.8	+62	+78	0.0	+0.2	+0.3	Sr
915	5 03 05 04.3	+59	+81	+0.1	0.0	+0.1	Tn B	1031	4 03 45 20.0	+62	+78	0.0	+0.2	+0.3	Sp e
915	5 03 57 57.23	-77	+63	+2.0		+2.2	Tp C	1127	4 23 53 43.45	+53	+85	0.0	+0.2	+0.2	N1 3
940	5 07 31 38.6	+93	-37	-1.2	-1.4	-1.4	Tn A	1135	5 01 37 05.4	+39	-92	+0.6	+0.8	+0.7	Qc A
940	5 07 33 58.6	+89	-45	-0.3	-0.5	-0.5	Sz	1138	5 01 21 55.9	+93	+38	-0.5	-0.1	-0.1	Mn A ds
940	5 07 38 05.12	+81	-59	0.0	-0.2	-0.2	Tp C	1138	5 01 42 44.0	+99	-11	-0.3	+0.1	+0.1	Qc A
969	5 09 54 18.6	+95	-32	-0.1	-0.3	-0.3	An A	1138	5 01 43 22.44	+96	-28	-0.4	0.0	0.0	N1 2
1051	6 02 02 10.9	+56	-83	+0.6	+0.5	+0.5	Ai A	1150	5 03 48 02.0	+90	+44	-1.0	-0.6	-0.6	Sp e
1054	6 02 27 44.3	+56	+83	-0.4	-0.4	-0.4	Ai A	1275	6 06 49 46.3	+97	-26	-0.2	+0.2	+0.2	Tn B
1113	6 13 03 44.4	+93	+38	-0.1	-0.2	-0.2	Gj A	1275	6 06 51 53.0	+94	-33	+0.3	+0.7	+0.7	Sz
1127	6 16 50 01.9	+82	-57	-0.1	-0.3	-0.3	Gj A	1340	6 17 29 24.8	+100	+7	-0.9	-0.5	-0.5	Pf
1186	7 05 22 36.7	+77	-64	+1.1	+0.9	+0.9	Tn A	1340	6 17 29 58.1	+100	+3	-0.3	+0.1	+0.1	Pg A kf
1186	7 05 24 55.4	+72	-69	+0.5	+0.3	+0.3	Tb	1343	6 18 19 58.7	+89	-46	-1.9	-1.6	-1.6	Pf
1186	7 05 25 01.0	+69	-72	+2.4	+2.2	+2.2	Sz	1343	6 18 21 05.35	+60	-80	-0.1	+0.1	+0.1	Pc
1186	7 05 28 56.55	+50	-87	+1.2	+1.1	+1.1	Tp A f	1343	6 18 21 15.24	+60	-80	-0.1	+0.1	+0.1	Pa C c
1259	7 18 38 27.3	+97	-25	-0.1	-0.3	-0.3	Ns	1343	6 18 21 20.4	+87	-49	-0.6	-0.3	-0.3	Pg A
1259	7 18 46 24.1	+91	-41	+0.2	0.0	0.0	Cg	1345	6 19 09 44.16	+94	-35	-0.3	+0.1	+0.1	N1 B
1275	7 23 33 05.7	+98	-19	-0.3	-0.5	-0.4	Ns	1345	6 19 17 44.8	+96	-28	-0.4	0.0	0.0	Qc A
1275	7 23 51 14.2	+99	-12	+0.2	0.0	0.0	Cg	1345	6 19 30 25.1	+86	+51	-1.1	-0.8	-0.8	Mn A
1275	7 23 54 17.8	+100	-6	+0.4	+0.2	+0.3	Ch	2802	19 04 41 33.22	-70	-72	+0.6		+0.3	N1 2
1275	7 23 54 34.9	+100	-8	+0.6	+0.4	+0.4	Cd								
1702	12 02 20 18.1	-100	+6	-1.6		-1.5	Ai B								
2128	16 06 28 13.36	-98	+18	-0.7		-0.6	N1 3								
2137	16 07 31 30.9	-83	-56	+0.5		+0.6	Ai B pc								
2141	16 08 04 48.1	-98	-18	+1.9		+2.0	Ai C								
2245	17 04 33 27.95	-38	+93	-0.6		-0.5	N1 B dc								
2247	17 05 50 20.7	-90	-43	+0.5		+0.6	Mn A								
2247	17 05 56 24.7	-94	-33	+0.6		+0.7	Ns								
Lunation 262 1944 Feb.24 - Mar.24								Lunation 263 1944 Mar.24 - Apr.22							
	d h m s								d h m s						
150	26 19 09 31.9	+18	+98	0.0	+0.1	+0.1	Qp A f	636	28 18 48 35.8	+97	-23	-0.2	0.0	-0.3	Qp A
291	27 18 59 18.2	+99	-16	+0.1	+0.5	+0.5	Ns	650	28 20 25 20.3	+87	+49	-0.5	0.0	-0.3	Mn A k
398	28 14 47 19.2	+66	+75	+0.9	+1.2	+1.2	Gj A	650	28 20 29 25.2	+90	+43	-0.4	+0.1	-0.2	Dr
453	29 01 04 29.6	+92	-40	+0.6	+1.0	+1.0	Tn B	650	28 20 37 40.6	+97	+23	+0.3	+0.7	+0.4	Qp A
710	1 20 56 40.10	+98	+21	0.0	+0.4	+0.4	Pa F	650	28 20 38 19.3	+97	-23	+0.3	+0.5	+0.2	Qc A
826	2 17 40 58.6	+66	+75	+0.4	+0.6	+0.7	Pe	881	30 09 51 54.8	+78	-63	+0.3	+0.3	+0.1	An B
								881	30 09 51 59.8	+78	-63	0.0	0.0	-0.2	Ao A
								888	30 11 59 06.0	+71	-70	+0.9	+0.8	+0.7	Hp A
								894	30 13 15 03.1	+40	+92	+0.4	+0.9	+0.8	HI A
								989	31 03 58 30.4	+42	+91	+0.1	+0.6	+0.4	Sr
								989	31 03 58 47.2	+41	+91	-0.1	+0.4	+0.2	Sp e
								991	31 03 42 36.8	+95	-30	-0.3	-0.2	-0.4	Sp e
								991	31 03 42 40.2	+95	-30	-2.2	-2.0	-2.3	Sr
								991	31 03 56 40.2	+83	+56	-0.5	0.0	-0.3	Sz

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 263 1944 Mar. 24 - Apr. 22								Lunation 264 1944 Apr. 22 - May 22							
995	d h m s 31 04 20 41.4	+92	-40	+0.5	+0.6	+0.4	Tn A	1193	d h m s 29 03 51 10.4	+84	+54	-1.0	-0.4	-0.5	Ta A
995	31 04 23 12.4	+88	-47	-0.1	0.0	-0.2	Sz	1193	29 03 57 12.5	+86	+52	-0.6	0.0	-0.1	Sm
1031	31 10 43 16	+98	+20	+0.1	+0.5	+0.2	Ht	1193	29 04 01 45.66	+81	+59	-0.5	+0.2	+0.1	Tp C fv
1077	31 19 19 51.6	+44	+90	+0.1	+0.6	+0.4	Mn A	1193	29 04 03 27.2	+67	+74	-0.6	+0.3	+0.1	Sz
1113	1 04 14 28.2	+97	+24	0.0	+0.4	+0.1	Sp e	1193	29 04 04 34.4	+57	+82	-0.5	+0.5	+0.3	Tn A
1143	1 08 33 45.1	+89	+46	-1.5	-1.0	-1.3	Me A	1261	29 16 20 59.9	+96	+28	-0.2	+0.2	0.0	Pg B
1217	2 00 25 39.4	+60	-80	+1.2	+1.0	+0.9	Ch	1261	29 16 21 40.5	+95	+30	0.0	+0.4	+0.3	Pi A
1217	2 00 28 09.3	+54	-84	+1.5	+1.3	+1.2	Cg	1261	29 16 21 58.8	+95	+32	-1.2	-0.8	-0.9	Pf
1310	2 18 14 16.33	+52	+85	-0.8	-0.3	-0.5	Bv e	1261	29 16 28 10.7	+99	+17	+0.3	+0.5	+0.4	Pe
1312	2 19 20 25.2	+88	-48	-0.5	-0.4	-0.6	Pf	1276	29 20 05 36.99	+74	+67	-1.5	-0.7	-0.8	N1 3
1312	2 19 21 08.7	+86	-52	-1.1	-1.1	-1.3	Pg A	1276	29 20 05 39.8	+75	+66	-1.5	-0.7	-0.9	Nj
1340	3 01 43 25.2	+87	-49	-0.1	0.0	-0.3	Ai A	1293	30 00 10 20.7	+98	+19	-0.1	+0.2	+0.1	Ai A
1343	3 02 36 06.8	+62	-78	+0.5	+0.3	+0.2	Ai A	1294	30 00 14 41.3	+96	+27	-0.5	-0.2	-0.3	Ai A
1625	5 22 12 27.47	+96	-27	-0.2	0.0	-0.3	N1 3	1297	30 00 37 19.3	+93	-37	+1.1	+0.7	+0.7	Ai A n
1625	5 22 15 32.4	+84	+55	-1.5	-1.0	-1.3	Mn A	1299	30 00 37 11.6	+91	+42	-1.3	-0.8	-0.9	Ai A
1625	5 22 42 25.8	+86	+51	-1.1	-0.6	-0.9	Qp A	1303	30 01 05 24.0	+64	+77	-0.2	+0.7	+0.6	Ai A
1733	6 23 02 59.8	+100	+1	+0.6	+0.9	+0.6	Ch	1307	30 01 58 49.76	+87	-50	-0.7	-1.2	-1.2	Tp C v
1733	6 23 03 15.2	+100	-1	+0.4	+0.7	+0.4	Cd	1310	30 02 41 12.3	+100	-8	+0.8	+0.7	+0.7	Sm
1733	6 23 07 48.7	+92	-38	-1.9	-1.8	-2.0	Qp A	1310	30 02 49 34.8	+97	+24	-0.1	+0.2	+0.1	Tn A
2436	13 02 18 34.84	-99	+15	-1.6	-1.6		N1 D	1310	30 02 49 36.55	+100	+1	-0.3	-0.3	-0.3	Tp C v
2614	14 08 31 43.27	-87	+49	+0.6		+0.8	Tp A f	1310	30 02 50 07.4	+99	+16	-0.5	-0.3	-0.4	Sz
2704	14 20 30 23.5	-89	+45	-0.5		-0.4	Gj A	1310	30 02 53 07	+74	-68	+2.4	+1.6	+1.7	Sb A
2757	15 04 29 58.1	-99	-12	-1.8		-1.9	Ai A	1355	30 13 30 37.9	+100	-1	+1.0	+1.0	+1.0	Hp A
3041	17 02 28 49.47	-97	+23	-0.5		-0.4	Pa 2	1362	30 13 41 53.9	+99	-16	+0.7	+0.6	+0.5	Gj A
3071	17 07 04 09.4	-100	+1	+0.3		+0.3	Ai A	1387	30 19 59 42.0	+83	+55	-0.9	-0.2	-0.4	Qc A
3079	17 08 38 44.2	+95	+32	+0.6		+0.8	Ai A	1493	1 21 24 04.26	+88	+47	-0.6	0.0	-0.2	N1 2
3237	18 09 43 16.1	+78	-63	+0.4		+0.2	Ai A	1493	1 21 39 59.3	+69	+72	-0.5	+0.4	+0.2	Qc A
3347	19 03 58 14.72	-100	-4	-1.7		-1.7	Pa B	1504	2 00 14 34.8	+44	-90	+0.9	-0.1	0.0	Ai A
Lunation 264 1944 Apr. 22 - May 22								1506	2 00 35 46.9	+85	-53	0.0	-0.6	-0.6	Tn B
663	d h m s 25 08 07 32.4	+81	-58	+0.2	-0.4	-0.4	Ao A g	1506	2 00 37 01.6	+79	-62	0.0	-0.7	-0.6	Sz
888	26 20 31 05.2	+92	-39	+0.7	+0.3	+0.3	Ns	1506	2 00 38 07.09	+64	-77	+0.2	-0.7	-0.6	Tp C
888	26 20 39 49.7	+84	-54	+1.4	+0.8	+0.8	Dr	1506	2 01 53 11.36	+79	+62	-0.3	+0.4	+0.3	N1 D
888	26 20 40 52.2	+89	-46	-0.7	-1.2	-1.2	Ks D f	1702	3 21 20 03.5	+87	-50	-0.4	-1.0	-0.9	Ai C
892	26 21 22 45.20	+91	+42	-0.3	+0.2	+0.1	N1 3	1755	4 12 51 53.4	+77	+63	-1.0	-0.2	-0.4	An B
892	26 21 25 50.3	+79	+61	-0.4	+0.3	+0.2	Qc A	2399	10 00 54 26.8	-99	+17	-1.0		-0.8	Ai A
894	26 21 51 29.48	+93	+38	-0.4	+0.1	0.0	N1 2	2736	12 08 30 59.22	-99	-13	-1.4		-1.5	Tp A pc
894	26 21 52 59.6	+83	+56	-0.5	+0.2	0.0	Qc A	3171	15 04 39 39.49	+87	+49	+1.2		+1.7	N1 B
895	26 21 49 35.0	+57	-82	+1.3	+0.4	+0.4	Ns g	3190	15 07 19 00.04	+53	+85	-0.5		+0.3	Tp A pn
915	27 01 58 15.9	+75	-66	+0.7	0.0	0.0	Tn B	3190	15 07 53 12.84	-47	+88	+0.4		+1.3	Tp A pv
1021	27 16 40 58.94	+86	+51	-1.0	-0.4	-0.5	Pa 2	Lunation 265 1944 May 22 - June 20							
1031	27 19 21 51.4	+100	+10	-0.1	0.0	0.0	Qp A	1113	d h m s 25 21 23 14.59	+80	-60	0.0	-0.1	-0.1	N1 3
1047	27 22 06 59.1	+88	-48	-0.2	-0.7	-0.7	Ah A e	1113	25 21 05 56.5	+100	-6	+0.5	+0.7	+0.7	Qp C
1047	27 22 19 25.7	+85	-53	-0.3	-0.9	-0.9	Ai A	1125	25 23 26 09.9	+90	-44	+0.2	+0.2	+0.2	Ag e
1054	28 00 26 22.0	+65	-76	+1.0	+0.2	+0.2	Ah A s	1125	25 23 26 25.0	+91	-42	-0.6	-0.6	-0.6	Ah A g
1077	28 04 05 15.2	+96	-27	+2.6	+2.3	+2.3	Th	1129	25 23 58 13.7	+82	-57	+2.8	+2.7	+2.7	Ah A Rc
1077	28 04 22 50	+78	-62	+0.7	0.0	0.0	Td	1292	27 08 13 49.2	+99	+15	+0.1	+0.5	+0.4	An A
1077	28 04 26 00.7	+97	+23	+0.1	+0.4	+0.3	Ta A	1292	27 08 13 53.8	+99	+15	0.0	+0.4	+0.3	Ao A g
1077	28 04 38 44.2	+93	-37	+0.8	+0.4	+0.4	Sp e	1292	27 08 26 22.30	+85	+53	-1.4	-0.8	-1.0	Am
1077	28 04 38 45.0	+93	-37	+1.2	+0.8	+0.8	Sr	1293	27 08 34 48.41	+94	-34	-0.6	-0.5	-0.6	Am
1143	28 16 30 40.3	+99	-11	-0.2	-0.3	-0.3	Pg A	1293	27 08 36 09.3	+75	-66	+0.9	+0.7	+0.7	An A
1143	28 16 31 05.3	+100	-9	-0.1	-0.2	-0.2	Pi A	1293	27 08 36 13.5	+75	-66	+0.9	+0.7	+0.7	Ao A g
1143	28 16 31 09.0	+100	-7	-0.6	-0.6	-0.7	Pf n	1294	27 08 37 14.42	+96	-27	-0.5	-0.4	-0.4	Am

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 265 1944 May 22 - June 20								Lunation 266 1944 June 20 - July 20							
	d h m s			"	"	"			d h m s			"	"	"	
1294	27 08 37 22.8	+81	-59	0.0	-0.1	-0.1	Ao A g	1299	23 17 29 41.46	+86	-51	+0.1	-0.2	0.0	Pa 3
1298	27 08 42 24.8	+100	-4	+0.3	+0.6	+0.5	An A	1303	23 17 40 33.35	+97	-24	0.0	-0.2	-0.1	Pa E
1298	27 08 42 28.5	+100	-4	+0.2	+0.5	+0.4	Ao A g	1370	24 08 29 44.1	+64	-77	+0.4	0.0	+0.2	An B
1298	27 08 51 25.09	+94	+32	-2.4	-1.9	-2.0	Am	1773	28 09 22 36.6	+93	-36	-1.6	-1.8	-1.7	An B
1299	27 08 53 56.8	+88	-47	-0.5	-0.5	-0.6	An A	1773	28 09 22 43.2	+93	-36	-1.7	-2.0	-1.8	Ao B gc
1299	27 08 54 00.7	+88	-47	-0.6	-0.6	-0.6	Ao A g	1950	30 02 00 58.8	+46	-89	+1.7	+1.2	+1.4	Bc A
1299	27 08 56 05.37	+99	-13	0.0	+0.2	+0.1	Am	2035	30 20 51 56.8	+80	+60	-0.4	-0.2	-0.2	Qc A
1302	27 08 55 59.7	+96	+27	-0.1	+0.3	+0.2	An A	2043	30 23 18 29.69	+91	+42	-0.9	-0.8	-0.8	N1 3
1302	27 08 56 02.8	+96	+27	-0.1	+0.3	+0.2	Ao A g	2043	30 23 24 16.9	+86	+52	-0.3	-0.1	-0.2	Qc A
1302	27 09 11 58.71	+73	+68	-0.5	+0.1	0.0	Am	2047	30 23 42 08.25	+99	+13	+1.0	+1.0	+1.0	N1 3
1303	27 09 07 15.7	+98	-19	+0.6	+0.8	+0.7	An A	2047	30 23 45 38.3	+98	+21	0.0	0.0	0.0	Qc A
1303	27 09 07 18.9	+98	-19	+0.5	+0.7	+0.6	Ao A g	2048	30 22 47 39.0	+77	-64	+1.9	+1.5	+1.7	Ai A
1303	27 09 13 49.80	+98	+18	+0.4	+0.8	+0.7	Am	2072	1 05 30 36.5	+96	+28	+0.1	+0.2	+0.2	Tn A
1370	28 00 05 01.2	+96	-29	+0.9	+1.0	+1.0	Ah A g	2072	1 05 31 55.2	+97	+24	+1.7	+1.8	+1.8	Sz
1576	30 00 34 50.78	+100	-7	+0.4	+0.6	+0.6	Tp C v	2133	1 18 11 30.5	+95	-32	-1.5	-1.7	-1.6	Pf
1576	30 00 38 35.8	+100	+10	-0.3	0.0	0.0	Sz	2133	1 18 12 19.6	+94	-34	-1.2	-1.4	-1.3	Pi A
1576	30 00 39 22.3	+98	+18	-1.1	-0.7	-0.8	Tn B	2133	1 18 12 42.5	+93	-37	-0.4	-0.6	-0.5	Pg B
1684	31 02 07 17.1	+84	-54	-1.3	-1.4	-1.4	Bc A	2184	2 05 31 42.1	+77	-64	+1.7	+1.3	+1.5	Ai A n
1684	31 02 16 00.8	+79	-61	+0.2	0.0	+0.1	Tn B f	2271	2 21 31 26.4	+90	-43	-0.5	-0.8	-0.6	Cd
1684	31 02 18 33.2	+74	-67	+1.2	+1.0	+1.0	Sz	2271	2 21 35 44.3	+77	-64	+0.7	+0.3	+0.5	Qp A
1684	31 02 22 31.66	+61	-79	-1.4	-1.7	-1.7	Tp A fhv	2271	2 21 36 26.4	+36	-93	-0.4	-0.9	-0.7	Qc A
1719	31 10 55 48.2	+96	+28	-0.2	+0.2	+0.1	Hp A	2399	3 17 08 34.71	+93	+37	+0.6	+0.7	+0.7	Pa 2
1755	31 21 03 12.72	+99	+15	-0.4	0.0	-0.1	Pc	3356	9 23 50 06.27	-71	+71	+1.2		+1.4	N1 2
1755	31 21 29 01.3	+73	+68	-0.9	-0.3	-0.4	Pe	249	13 04 13 24.9	-88	+48	+1.0		+1.1	Pf
1755	31 21 37 18.3	+45	+89	-1.1	-0.4	-0.6	Pg B								
1755	31 21 46 02.0	+22	+98	-0.4	+0.3	+0.1	Pf								
2072	3 21 14 45.5	+96	-27	-1.2	-1.1	-1.1	Gj A	Lunation 267 1944 July 20 - Aug. 18							
2137	4 08 51 35.9	+99	+11	+0.3	+0.6	+0.6	An A		d h m s			"	"	"	
2137	4 08 51 41.9	+99	+11	+0.5	+0.8	+0.8	Ao A g	1578	23 17 43 16.45	+84	+55	-1.6	-0.9	-0.9	Pa 2
2141	4 09 18 47.4	+88	+48	-1.2	-0.7	-0.8	An A	1702	24 22 45 48.3	+89	-46	-1.5	-1.7	-1.6	Ai A
2141	4 09 18 54.1	+88	+48	-1.1	-0.6	-0.7	Ao A g	1773	25 17 03 51.26	+95	-31	-1.2	-1.2	-1.1	Pa 4
2291	5 13 38 22.7	+71	-71	+0.4	+0.2	+0.2	Gj A	1773	25 17 20 58.5	+92	+40	-1.1	-0.5	-0.5	Pi A
2633	8 00 37 51.25	-91	-41	+1.0		+0.6	Pa B	1773	25 17 21 26.8	+90	+43	-1.0	-0.4	-0.4	Pf
2638	7 23 35 21.4	-96	-27	+0.7		+0.4	Ai A	1773	25 17 21 58.7	+98	+21	0.0	+0.4	+0.5	Pe
2797	8 20 40 49.37	+99	-15	-2.1		-2.0	Pa B	2113	28 23 36 51.8	+78	-62	+1.2	+0.8	+1.0	Ah A g
2797	8 20 48 37.0	+88	+48	+0.3		+0.7	Pg B	2113	28 23 54 42.5	+73	-69	0.0	-0.4	-0.3	Ai A pc
2797	8 20 53 03.7	+95	+32	-0.1		+0.3	Pd	2128	29 02 04 19.7	+78	+62	-0.9	-0.2	-0.2	Sr
2797	8 21 50 59.65	-100	+09	-0.3		-0.5	Pa 2	2128	29 02 04 29.0	+78	+62	-0.8	-0.1	-0.1	Sp e
2797	8 21 51 47.4	-74	+67	-1.0		-0.8	Pg B	2128	29 02 22 18	+75	+66	-0.3	+0.4	+0.5	Sb B
2838	9 04 21 38.41	-75	+66	+0.3		+0.5	Tp A p	2231	29 23 06 51.8	+82	-58	+2.2	+1.9	+2.0	Ah B e
3086	10 20 45 35.95	-91	+42	-0.6		-0.6	Pa B	2247	30 01 40 20.8	+98	+20	+0.2	+0.6	+0.7	Sp e
3105	11 00 22 57.03	-100	-10	-1.8		-2.1	Pa B	2247	30 01 48 25	+95	+30	-0.5	0.0	0.0	Ss
3113	11 01 03 54.09	-26	+97	+0.1		+0.5	N1 D	2247	30 01 57 25	+97	+24	+0.7	+1.1	+1.2	Sb A
3275	12 03 55 28.29	-81	-58	-0.1		-0.6	Pa B	2247	30 02 31 40.14	+67	+74	-0.8	0.0	0.0	Tp A pc
								2247	30 02 41 57.9	+33	+94	-1.1	-0.2	-0.3	Bc D
Lunation 266 1944 June 20 - July 20								2361	30 21 55 17.23	+100	-10	+1.2	+1.3	+1.4	N1 3
	d h m s			"	"	"		2391	31 02 30 45.4	+94	+34	-0.1	+0.4	+0.5	Sr
1292	23 16 54 42.98	+99	+12	+0.4	+0.4	+0.4	Pa 3	2391	31 02 30 54.0	+94	+34	-0.2	+0.3	+0.4	Sp g
1293	23 17 14 59.58	+72	-70	+1.5	+1.1	+1.3	Pa 3	2391	31 02 39 24	+91	+42	-0.9	-0.3	-0.3	Ss
1293	23 17 18 08.0	+100	-4	-0.5	-0.6	-0.5	Pf	2391	31 03 28 58.8	+40	+92	-1.4	-0.5	-0.6	Bc A
1294	23 17 15 50.44	+78	-63	-0.1	-0.5	-0.3	Pa 3	2633	1 17 45 28.5	+99	-15	-0.5	-0.4	-0.3	Pf
1294	23 17 20 48.9	+100	+4	0.0	0.0	0.0	Pf n	2633	1 17 46 03.4	+98	-18	-1.8	-1.7	-1.6	Pi A
1298	23 17 19 12.70	+100	-9	0.0	-0.1	0.0	Pa 2	2633	1 17 49 28.83	+61	-79	+1.4	+0.8	+1.0	Pc
								2633	1 17 49 32.48	+62	-79	+1.2	+0.6	+0.8	Pa 3
For details of the codes see Introduction and Lists A and B.															

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 267 1944 July 20 - Aug.18								Lunation 269 1944 Sept.17 - Oct.17							
	d h m s			"	"	"			d h m s			"	"	"	
2638	1 18 29 51.20	+77	+63	0.0	+0.7	+0.7	Pc	2133	21 17 54 02.70	+54	+84	-1.2	-0.9	-1.0	Pa 2
2638	1 18 30 02.93	+77	+64	-0.2	+0.5	+0.6	Pa 3	2180	22 02 37 50	+76	-65	+0.4	+0.6	+0.7	Td
2746	2 09 49 41.7	+64	-77	+1.5	+1.0	+1.1	An B	2245	22 17 01 16.7	+66	+75	-0.7	-0.4	-0.5	Pf
2797	2 16 07 08.9	-97	+25	+0.3		+0.2	Pg A	2280	22 23 33 07.1	+100	-4	+0.1	+0.5	+0.5	Ah A e
2822	2 20 34 56.6	+51	-86	+0.9	+0.3	+0.4	Qp A	2390	23 19 04 43.12	+99	+16	+0.1	+0.5	+0.5	Pa 4
2822	2 20 36 21.0	+72	-69	-2.0	-2.4	-2.3	Cg	2390	23 19 22 16.2	+88	+48	-0.7	-0.3	-0.4	Pg B
49	7 23 43 32.1	-91	+41	+1.4		+1.4	Pg A	2390	23 19 22 57.2	+86	+50	-0.6	-0.2	-0.3	Pi A
364	10 05 26 54.82	+90	+44	-0.9		-0.3	Tp A fn	2390	23 19 22 58.8	+86	+51	-0.9	-0.5	-0.6	Pj
364	10 06 25 10.27	-97	+25	+0.1		0.0	Tp A gv	2390	23 19 23 40.9	+85	+53	-0.9	-0.5	-0.6	Pf
364	10 06 31 02.8	-97	+26	-0.4		-0.5	Sz	2396	23 20 53 35.32	+23	+97	-0.9	-0.7	-0.8	Pa 2
364	10 06 32 25.2	-97	+26	+0.1		0.0	Tb	2463	24 09 14 42.2	+62	+78	0.0	+0.3	+0.2	Ao A g
462	11 01 22 25.67	-100	+1	+0.9		+0.6	N1 2	2463	24 09 14 44.8	+62	+79	+0.2	+0.5	+0.4	An A
462	11 01 44 18.5	-100	-1	+1.0		+0.7	Qp A	2547	24 23 08 10.4	+99	+14	+0.9	+1.3	+1.3	Sz
610	12 03 44 15.94	-82	+57	0.0		+0.2	Pa B	2547	24 23 10 06.9	+98	+18	+0.2	+0.6	+0.6	Tn E
888	14 01 18 26.3	-67	-74	+1.6		+0.8	Qp A	2556	25 02 05 45.2	+87	-50	-2.0	-1.7	-1.7	Ah A s
888	14 01 35 13.0	-83	-56	-0.8		-1.5	Cg	2725	26 02 06 45	+96	+29	-0.2	+0.2	+0.2	Ss
894	14 02 21 05.1	-89	+45	+0.1		+0.2	Qp A	2725	26 02 31 40.39	+97	+24	+0.4	+0.8	+0.8	Tp A fv
894	14 02 22 18.5	-43	+90	+0.1		+0.6	Ns f	2725	26 02 33 44.6	+97	+26	+0.4	+0.8	+0.8	Sz
Lunation 268 1944 Aug.18 - Sept.17								2725	26 02 33 49.3	+96	+28	-0.3	+0.1	+0.1	Tn B
	d h m s			"	"	"		2778	26 09 18 29.4	+94	-33	+0.7	+1.0	+1.1	An A
2072	24 21 00 56.80	+90	+44	-0.8	-0.3	-0.5	N1 3	2778	26 09 18 38.1	+94	-33	+0.6	+0.9	+1.0	Ao A g
2133	25 11 44 23.3	+100	+8	+0.8	+1.0	+1.0	An A	2785	26 10 21 40	+98	-22	-1.8	-1.4	-1.4	Hc
2245	26 10 37 18.2	+82	-58	+2.3	+2.0	+2.1	An A	2797	26 12 42 48.3	+57	+82	-1.2	-0.9	-1.0	Ao A g
2245	26 10 37 24.6	+82	-58	+2.3	+2.0	+2.1	Ao B g	2873	26 23 17 28.0	+99	+12	+2.4	+2.8	+2.8	Sz
2280	26 16 16 35.0	+74	-67	-0.3	-0.6	-0.5	Pf	2988	27 18 54 23.83	+77	-64	-0.5	-0.3	-0.2	N1 3
2280	26 16 17 52.4	+72	-69	+0.7	+0.3	+0.5	Pi A	2988	27 19 03 59.8	+96	-29	-1.9	-1.6	-1.5	Mn A
2280	26 16 18 47.3	+70	-72	+1.3	+0.9	+1.0	Pg B	2988	27 19 04 25.0	+80	-60	+0.3	+0.5	+0.6	Qc A
2408	27 14 57 33.9	+96	+29	-2.0	-1.6	-1.8	Gj B	2988	27 19 09 30.3	+96	-27	-2.4	-2.1	-2.0	Ns g
2463	28 02 23 40.7	+96	-27	-0.2	-0.2	-0.2	Ai A	2988	27 19 09 39.2	+94	-33	-0.6	-0.3	-0.2	Dr
2556	28 17 09 14.4	+79	-61	+0.2	-0.1	0.0	Pf	2988	27 19 28 07	+93	-36	-1.6	-1.3	-1.2	Cj
2556	28 17 10 23.8	+77	-64	+0.8	+0.5	+0.6	Pi A	2988	27 19 30 25.4	+93	-36	-0.5	-0.2	-0.1	Cd
2556	28 17 11 10.7	+75	-66	+0.1	-0.2	-0.1	Pg B	3084	28 10 33 09.2	+95	-31	-1.7	-1.4	-1.3	Hb
2556	28 17 30 03.6	+53	-85	+2.9	+2.4	+2.6	Pe	3157	28 22 24 47.53	+100	+9	+1.1	+1.5	+1.5	Pa B d
2599	28 23 31 24.6	+93	+37	+0.1	+0.5	+0.4	Ai A	3171	29 01 26 16.42	+65	+76	-0.3	0.0	-0.1	N1 2
2697	29 14 26 15.0	+46	+89	-0.4	+0.3	+0.1	Ao A g	3356	30 07 14 39.6	+73	-69	-0.4	-0.2	-0.1	Sz
2746	29 21 12 23.44	+88	-47	+0.2	0.0	+0.1	Pa 2	653	6 02 10 58.7	-59	+81	-0.3		-0.5	Cg
2746	29 21 30 48.3	+98	-19	-2.2	-2.2	-2.2	Pg B	837	7 06 05 54.33	+40	+92	+1.4		+1.5	Tp A p
2746	29 21 31 10.8	+99	-17	-1.6	-1.5	-1.6	Pi A	837	7 06 44 13.84	-65	+76	+1.3		+1.0	Tp A gv
2746	29 21 35 24.7	+88	-47	-0.4	-0.6	-0.5	Pe	1322	10 21 43 12.1	-50	-87	+0.5		+0.3	Gj B
2759	29 23 22 09.9	+98	+22	+0.4	+0.7	+0.6	Pg B	Lunation 270 1944 Oct.17 - Nov.15							
2762	29 23 07 38.60	+43	-90	-0.9	-1.5	-1.3	N1 A		d h m s			"	"	"	
2785	30 01 46 06.29	+67	-74	-0.3	-0.7	-0.6	Tp A g	2822	23 22 40 21.4	+47	+88	-1.1	-1.2	-1.3	Tn A q
2797	30 03 45 57.5	+89	+46	-0.6	-0.1	-0.3	Ah A g	2938	24 19 44 17.29	+63	-78	+0.4	+0.6	+0.7	Pc
2806	30 05 32 29.60	+99	+12	+1.3	+1.6	+1.5	Tp A pc	2977	25 02 51 01.9	+15	+99	+1.0	+0.8	+0.8	Ai A
2892	30 17 03 00.5	+79	-61	+0.2	-0.1	0.0	Pf	2988	25 02 51 01.5	+100	+7	+2.0	+2.1	+2.1	Td
2892	30 17 04 03.5	+77	-64	+0.1	-0.2	-0.1	Pi A	3026	25 09 11 47.5	+92	-39	-0.4	-0.2	-0.2	An B
2892	30 17 04 50.6	+75	-66	-1.2	-1.5	-1.4	Pg B	3026	25 09 11 54.9	+92	-39	-0.3	-0.1	-0.1	Ao B g
3069	31 21 46 45.44	+43	+90	-1.0	-0.3	-0.5	N1 A	3084	25 18 35 15.73	+76	+65	-0.2	-0.2	-0.3	N1 2
3079	1 02 17 18.1	+15	+99	+0.5	+1.2	+1.0	Pf d	3084	25 18 46 44.3	+77	+64	-0.2	-0.2	-0.3	Qc A
3105	1 04 43 31.5	+80	-60	+0.4	+0.1	+0.2	Ai A	3105	25 23 18 51.04	+100	-6	+0.4	+0.5	+0.6	Pa B
894	10 07 13 28.66	+71	-71	-1.2		-1.4	Tp A f	3115	25 23 28 10.5	+98	+18	+1.7	+1.8	+1.8	Ai A
894	10 07 53 38.39	-47	-88	+0.2		-0.3	Tp A gv	3271	26 23 45 11.56	+58	+81	+0.5	+0.4	+0.4	Tp B gv
894	10 08 00 42.4	-51	-86	-1.0		-1.5	Sz								

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 270 1944 Oct.17 - Nov.15								Lunation 271 1944 Nov.15 - Dec.15							
	d h m s			"	"	"			d h m s			"	"	"	
3271	26 23 53 32.8	+57	+82	+0.5	+0.4	+0.4	Sz	1021	2 04 56 20.70	+76	+65	-0.4		0.0	Tp A fn
3271	26 23 57 35.5	+54	+84	+0.8	+0.7	+0.6	Tn B	1021	2 06 02 46.36	-86	+52	+0.8		+0.8	Tp A fc
3275	27 01 24 23.2	+81	+59	-1.1	-1.1	-1.1	Ah A g	1021	2 06 08 44.6	-77	+63	+1.4		+1.5	Tb
3339	27 18 23 09.5	+95	-32	-2.4	-2.2	-2.2	Ao A g	1125	3 01 52 46.98	-76	-65	+0.9		+0.4	N1 B
3347	27 14 55 52.7	+68	+73	-0.3	-0.3	-0.4	Ao A g	1125	3 02 16 19.6	-94	+34	+3.3		+3.2	Ns s
3409	28 01 23 31.18	+39	+92	-0.6	-0.7	-0.8	N1 B d	1129	3 01 28 18.45	-100	+3	+1.9		+1.7	Tp A p
3428	28 01 48 12.0	+99	+14	+0.1	+0.2	+0.2	Sp g	1129	3 01 30 20.4	-100	+6	+1.1		+0.9	Sz
3428	28 01 54 44	+99	+11	-0.5	-0.4	-0.4	Ss	1129	3 02 07 09.62	-28	-96	+2.9		+2.4	N1 B d
3428	28 01 57 46.4	+100	-8	-1.0	-0.9	-0.8	Sb A	1129	3 02 48 59.9	-100	+6	+1.8		+1.6	Ns g
3428	28 02 37 59.8	+99	-13	-0.5	-0.4	-0.3	Sz	1292	4 10 55 47.44	-77	+64	+0.3		+0.4	Tp A f
3428	28 02 38 33.9	+100	+5	-0.1	0.0	0.0	Bc A	1298	4 10 09 30.82	+99	+16	+1.0		+1.3	Tp A pn
3428	28 02 39 57	+100	-10	+0.1	+0.2	+0.3	Tn A	1298	4 11 27 29.16	-89	+45	+0.6		+0.6	Tp A fv
170	30 02 09 38.5	+89	-45	+0.1	+0.3	+0.4	Ah A e	1299	4 10 17 31.82	+96	-28	+0.4		+0.5	Tp A pn
620	2 08 34 19.4	-55	+84	+0.4		+0.1	Sz	1299	4 11 38 00.64	-100	+3	+1.0		+0.8	Tp A fv
730	2 22 48 17.54	-99	+11	-0.2		-0.4	N1 2	1299	4 11 38 42.6	-98	+19	+1.6		+1.4	Sz
730	2 22 55 47.4	-100	+6	+1.2		+1.0	Qc A	1689	8 02 22 25.80	-100	0	+0.6		+0.4	Pa B
881	3 21 57 53.22	-81	+58	+0.2		-0.1	N1 2	Lunation 272 1944 Dec.15 - 1945 Jan.14							
881	3 22 15 42.0	-81	+58	+0.9		+0.6	Qp A f		d h m s			"	"	"	
1021	4 18 07 24.7	+85	+53	+0.4		+0.4	Gj B	3007	18 18 26 17.6	+15	+99	+0.2	+0.9	+1.0	Qc A
1021	4 19 15 19.6	-98	+20	+0.6		+0.4	Gj B	3190	20 00 07 51	+79	-61	-0.4	-1.0	-1.0	Av
1047	4 23 38 32.80	+74	+68	+1.4		+1.3	N1 B	3197	20 00 47 06.6	+100	+8	+0.3	+0.2	+0.2	Sp
1047	5 00 32 50.82	-89	+45	+0.4		+0.1	N1 3	3197	20 00 57 09	+98	-21	-2.0	-2.3	-2.3	Sb A
1047	5 00 58 12.2	-80	+60	+0.6		+0.3	Qp A	3339	21 01 49 50.8	+82	+57	-0.6	-0.3	-0.3	Ai A
1299	7 00 18 16.11	-70	+72	-0.1		-0.4	N1 3	3490	22 00 55 02.8	+88	-47	-0.4	-0.9	-0.9	Sp
1322	7 05 18 59.28	-90	-43	-0.1		-0.1	Tp A pv	3529	22 09 28 54.8	+97	+24	+0.6	+0.6	+0.6	Hc
1418	8 03 52 27.92	-84	-55	+0.1		+0.1	N1 3	3529	22 09 29 23.6	+97	+25	+0.5	+0.6	+0.5	Hf C
1418	8 04 14 20.3	-88	+47	+0.3		0.0	Ns g	3529	22 09 29 23.8	+97	+25	+0.4	+0.4	+0.4	Hf 2
Lunation 271 1944 Nov.15 - Dec.15								60	22 23 10 49.6	+62	+79	+0.3	+0.8	+0.8	Tn B
	d h m s			"	"	"		170	23 18 06 46.3	+95	+32	+0.9	+1.0	+1.0	Pf
2747	19 17 30 51.6	+44	+90	-0.4	0.0	+0.1	Qp A	178	23 18 57 49.59	+69	-73	+0.9	+0.2	+0.2	Pa 3
3057	21 20 18 48.48	+95	-32	-1.1	-1.7	-1.0	Pa 2	178	23 19 23 54.9	+77	-63	+1.9	+1.3	+1.3	Pf
3084	22 01 16 56.2	+55	+84	+0.4	+0.7	+0.9	Sp g	192	23 22 34 29.09	+74	+67	+0.4	+0.8	+0.8	Pa B
3135	22 08 50 55.9	+53	+85	-1.6	-1.3	-1.1	Hb	208	24 00 21 21.6	+54	+84	-1.5	-0.9	-0.9	Sp
3135	22 08 51 31.4	+54	+84	+0.5	+0.8	+1.0	Hf A	303	24 18 32 10.5	+99	-16	-0.3	-0.6	-0.6	Pf
3190	22 17 43 04.23	+85	-52	+2.2	+1.5	+2.2	Pa 4	322	24 22 41 45.6	+96	-28	+0.6	+0.2	+0.2	Pe
3190	22 18 41 19.91	-61	-79	+0.8		+0.3	Pa E	590	26 21 35 22.24	+84	-55	-0.1	-0.6	-0.7	Pc
3197	22 18 50 36.88	+96	+29	+1.0	+0.8	+1.3	N1 3	648	27 07 49 47.5	+99	-13	-1.0	-1.2	-1.3	Tn B
3210	22 22 07 10.27	+83	-56	+1.5	+0.8	+1.5	Pa 2 p	648	27 07 50 49.8	+98	-22	+0.1	-0.2	-0.2	Sz
3339	23 20 11 49.84	+78	+62	-0.5	-0.4	-0.1	Pa 3	653	27 08 23 47.1	+78	-63	+1.1	+0.5	+0.5	Tn B
3339	23 20 35 07.8	+73	+69	-0.2	-0.1	+0.3	Pg B	653	27 08 26 40.0	+71	-71	+2.3	+1.7	+1.6	Sz
3358	23 21 55 18.7	+100	-4	-1.0	-1.4	-0.8	Tn A	668	27 08 30 43.6	+75	+66	-0.5	-0.1	-0.1	Me A
3428	24 09 32 21.4	+70	+72	+0.9	+1.1	+1.4	Hc	730	27 17 17 46.2	+92	+39	-0.7	-0.5	-0.6	Qc A
3428	24 09 33 10.5	+69	+73	+0.6	+0.8	+1.1	Hf B	730	27 17 31 14.4	+92	+40	-0.9	-0.7	-0.7	Qp A
3428	24 09 34 08	+71	+71	-1.0	-0.8	-0.5	Hw	730	27 17 48 00.5	+60	+80	-0.6	-0.1	-0.1	Mn A
3428	24 09 38 55.0	+75	+66	-0.3	-0.2	+0.2	Ht	730	27 17 50 03.7	+80	+60	-0.3	0.0	0.0	Cg
3529	25 04 42 02.6	+29	-96	+1.0	+0.3	+0.7	Sp	730	27 17 50 58.8	+82	+57	-1.0	-0.7	-0.7	Cd
3529	25 04 58 38.8	+37	-93	0.0	-0.7	-0.3	Sz	730	27 17 52 33.5	+60	+80	-0.3	+0.2	+0.2	Ns g
83	25 21 54 03.08	+96	+28	0.0	-0.2	+0.3	Pa 2 n	760	28 01 01 57.34	+99	+13	0.0	0.0	-0.1	N1 2
95	26 00 42 06.8	+21	+98	+0.5	+1.0	+1.0	Ai A	847	28 13 48 53.7	+62	+79	0.0	+0.5	+0.5	Hc
249	27 00 38 13.5	+98	-22	-1.6	-2.1	-1.5	Ah A s	1295	31 17 48 13.0	+88	-48	+4.0		+3.5	Gj B R
249	27 00 55 43.0	+80	-60	-0.2	-0.9	-0.3	Ai A	1296	31 17 56 30.8	+78	-62	+4.1		+3.5	Gj B R
362	27 21 53 37.8	+97	+24	-0.8	-1.0	-0.5	Pg B	1544	3 00 17 41.36	-96	+29	-1.0		-0.6	Pa B

For details of the codes see Introduction and Lists A and B.

1953G0AM...15E...1M

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 273 1945 Jan.14 - Feb.12								Lunation 274 1945 Feb.12 - Mar.14							
	d h m s			"	"	"			d h m s			"	"	"	
3225	16 13 17 13.2	+94	+34	-0.1	+0.2	+0.3	Gj B	639	19 17 55 18.4	+99	+16	+0.3	+0.8	+0.7	Pg B
3438	17 22 56 15.1	+81	-59	+2.1	+1.6	+1.6	Tn B	639	19 17 55 57.4	+99	+17	+0.5	+1.0	+0.9	Pj
3438	17 22 56 33.2	+77	-63	+1.6	+1.0	+1.1	Sz	639	19 17 56 08.6	+99	+17	+0.5	+1.0	+0.9	Pi A
5	18 17 52 33	+85	-53	+1.0	+0.5	+0.6	Dt	639	19 17 57 51.7	+100	-1	-0.7	-0.4	-0.4	Pe
107	19 09 36 45.6	+54	+84	-0.7	+0.1	+0.1	Ao B g	648	19 18 20 26.2	+77	-64	+0.3	0.0	+0.1	Qc A
170	19 23 48 52.0	+96	-28	0.0	-0.2	-0.2	Ah A e	648	19 18 21 17.64	+56	-83	+1.7	+1.2	+1.3	Qd F g
291	20 22 20 11.9	+96	-29	+1.0	+0.7	+0.8	Ns g	648	19 18 38 16.4	+91	-42	+0.3	+0.2	+0.3	Qp A
291	20 22 31 31.9	+92	-40	-0.4	-0.8	-0.7	Mn A k	648	19 18 42 14	+96	-27	-0.2	-0.1	-0.1	Fk A
303	21 00 36 44.5	+59	-81	+1.5	+0.8	+0.8	Ah A s	653	19 19 38 37	+39	-92	+2.0	+1.4	+1.5	Fk A
308	21 01 33 39.7	+93	+37	0.0	+0.3	+0.4	Ah A e	654	19 20 20 01.2	+100	0	-0.1	+0.2	+0.2	Pb
308	21 01 33 51.7	+98	+20	+0.3	+0.5	+0.6	Ai A f	654	19 20 20 03.32	+100	0	-0.3	0.0	0.0	Pa A
362	21 10 54 50.3	+97	+23	-0.7	-0.5	-0.4	An A	654	19 20 20 03.32	+100	0	-0.4	-0.1	-0.1	Pa E
393	21 16 47 06.3	+69	+73	-0.1	+0.6	+0.6	Gj B	654	19 20 20 03.82	+100	0	-0.4	-0.1	-0.1	Pa B
398	21 18 06 03.2	+85	-52	-0.1	-0.6	-0.5	Gj B	654	19 20 46 33.7	+90	+44	-1.0	-0.4	-0.4	Pj
401	21 18 22 32.7	+100	+3	-0.5	-0.5	-0.4	Gj B	654	19 20 46 37.0	+90	+44	-1.3	-0.7	-0.7	Pi A
405	21 17 23 08.0	+99	+11	+0.3	+0.4	+0.5	Mn A k	658	19 19 45 40.92	+100	-2	-0.1	+0.2	+0.2	N1 3
405	21 17 26 09.5	+100	-4	+0.5	+0.5	+0.5	Dr a	658	19 19 45 46.21	+100	-2	-0.2	+0.1	+0.1	Nk A
405	21 17 27 15	+99	-11	-0.4	-0.5	-0.4	Dt	658	19 19 52 11.91	+98	-19	-0.6	-0.4	-0.4	Qd F g
464	22 07 10 12	+76	+65	-0.3	+0.3	+0.3	Sw	658	19 19 56 48.0	+100	+2	-0.4	-0.1	-0.1	Qc A
658	23 13 22 56.3	+95	-31	0.0	-0.3	-0.2	Gj B	658	19 20 15 49.3	+93	+36	-1.0	-0.4	-0.5	Qp C
730	24 01 02 57.3	+84	-54	+0.7	+0.2	+0.3	Bc A	658	19 20 22 10	+83	+55	-0.6	+0.1	0.0	Fk A
730	24 01 10 22.4	+58	-81	+1.3	+0.6	+0.6	Sz	658	19 21 08 10.66	-99	-13	+3.3		+2.9	N1 2
730	24 01 13 49.2	+64	-77	+2.0	+1.3	+1.3	Sf	663	19 21 00 11.27	+82	+57	-0.9	-0.2	-0.3	N1 4
736	24 02 45 04	+97	+26	-0.2	0.0	+0.1	Sb B	663	19 21 02 40.60	+91	+42	-0.4	+0.2	+0.2	Qd F g
808	24 15 34 33.0	+47	-88	+0.4	-0.4	-0.4	Gj B	663	19 21 11 38.0	+75	+66	-0.1	+0.7	+0.6	Qc A
837	24 18 04 51.8	+96	-28	-0.9	-1.2	-1.1	Qc A	684	19 23 04 45.9	+33	-94	-1.0	-1.7	-1.5	Tn A
843	24 20 27 15.42	+97	+26	-0.7	-0.5	-0.4	Pc	691	20 01 16 11.0	+32	+95	+0.6	+1.5	+1.3	Ai A g
843	24 20 27 24.81	+97	+26	-0.4	-0.2	-0.1	Pa B p	697	20 01 04 35.5	+100	-3	+0.5	+0.8	+0.8	Sz
843	24 21 00 16.7	+85	+52	+1.6	+2.1	+2.1	Pg B	697	20 01 06 29.1	+100	+5	-0.6	-0.2	-0.3	Tn B
843	24 21 00 59.0	+92	+38	-0.6	-0.3	-0.2	Pe pd	710	20 04 09 45.5	+99	-15	-0.6	-0.4	-0.4	Tn B
843	24 21 01 35.9	+84	+54	-1.1	-0.6	-0.6	Pi A	718	20 05 43 06.0	+91	-41	-0.6	-0.6	-0.6	Tn A
851	24 22 39 11.56	+43	-90	+1.3	+0.5	+0.5	Pa B p	793	20 18 05 23.4	+99	+14	-0.1	+0.3	+0.3	Mn A
851	24 22 45 59.7	+87	-49	+0.7	+0.3	+0.3	Pg B	793	20 18 09 25.3	+100	-2	-0.4	-0.1	-0.1	Dr
881	25 00 28 28.5	+92	-39	-0.3	-0.6	-0.6	Ta A	793	20 18 10 58.8	+100	-9	-0.3	0.0	0.0	Dt
881	25 00 59 56.2	+60	-80	+0.7	0.0	0.0	Sz	793	20 18 11 58.6	+98	+19	-0.1	+0.4	+0.3	Ns s
881	25 01 00 08.4	+68	-74	+1.0	+0.3	+0.4	Tn B p	808	20 21 34 01.26	+99	-13	-0.5	-0.3	-0.3	N1 3
1047	26 04 26 37.7	+82	-57	-0.2	-0.7	-0.7	Tn A	808	20 21 34 04.97	+99	-13	-0.4	-0.2	-0.2	Nk A
1047	26 04 27 36.4	+76	-65	+1.3	+0.7	+0.8	Sz	808	20 21 41 40.50	+97	-26	-0.4	-0.3	-0.3	Qd C g
1110	26 15 16 43.3	+80	-60	-1.1	-1.6	-1.6	Gj B	808	20 21 42 58.0	+100	-1	0.0	+0.3	+0.3	Qc A
1110	26 16 24 49.9	-66	-75	+1.5		+0.8	Gj B	808	20 21 48 28.8	+72	+70	-0.2	+0.6	+0.5	Dr
1129	26 18 06 26.28	+93	-36	0.0	-0.3	-0.3	N1 3 cd	826	21 00 28 01.89	+84	-55	+0.9	+0.7	+0.8	Nk B
1129	26 18 07 23.35	+85	-53	-0.7	-1.2	-1.1	Qd F g	826	21 00 28 02.43	+84	-55	+0.9	+0.7	+0.8	N1 3
1129	26 18 10 19.2	+92	-38	+0.2	-0.1	-0.1	Qc A	837	21 02 08 56.02	+53	-85	+1.1	+0.6	+0.7	N1 2
1702	31 22 15 00.77	-97	+24	-0.4		-0.2	Qd F g	847	21 01 50 59	+84	+55	-1.1	-0.4	-0.5	Sw
1702	31 22 15 21.5	-88	+48	+1.9		+2.3	Qc A	847	21 01 55 41	+62	+78	-0.9	-0.1	-0.2	Td
1702	31 23 48 15.7	+74	+68	-0.6		+0.1	Gj B	847	21 02 46 02.8	+100	+1	-1.1	-0.8	-0.8	Sb A
1702	1 00 36 16.3	-34	+94	+2.5		+3.3	Gj B Rc	928	21 16 49 09.9	+85	+52	-1.5	-0.8	-0.9	Gj B
2271	6 10 45 17.4	-44	+90	-1.0		-0.2	Sz	939	21 18 15 04.5	+81	-59	-0.7	-0.9	-0.8	Gj B
Lunation 274 1945 Feb.12 - Mar. 14								984	21 23 57 06.7	+72	-70	+0.9	+0.6	+0.7	Qc A
	d h m s			"	"	"		984	21 23 59 28.95	+52	-85	+0.6	+0.1	+0.2	N1 3
3529	15 00 16 44.0	+71	-71	+0.6	+0.2	+0.4	Sz	984	21 23 59 29.32	+52	-85	+0.3	-0.2	-0.1	Nk A
83	15 17 11 23.3	+94	+34	+0.7	+1.3	+1.2	Pe	984	22 00 09 54.08	+40	-92	-0.6	-1.2	-1.1	Qd D g
398	17 23 27 42.6	+32	+95	0.0	+0.9	+0.7	Bc A	1021	22 04 37 18	+96	-29	+0.5	+0.6	+0.6	Sw a
494	18 18 10 09.0	+99	-13	-0.9	-0.7	-0.7	Pi A	1102	22 19 29 01.10	+99	+16	-0.7	-0.2	-0.3	N1 2
								1102	22 19 32 22.31	+100	-1	-1.9	-1.6	-1.6	Qd B g

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 274 1945 Feb.12 - Mar.14								Lunation 275 1945 Mar.14 - Apr.12							
	d h m s			"	"	"			d h m s			"	"	"	
1102	22 19 40 37.4	+98	+20	-0.6	-0.1	-0.2	Qc A	760	19 20 26 58.64	+41	-91	+1.3	+0.5	+0.6	Fs A
1110	22 22 29 45.98	+95	+32	-1.2	-0.6	-0.7	N1 2	765	19 21 11 13.54	+57	+82	0.0	+0.8	+0.8	N1 3
1110	22 22 29 50.80	+95	+32	-1.0	-0.4	-0.5	Nk 2	765	19 21 11 18.73	+57	+82	+0.1	+0.9	+0.9	Nk 2
1110	22 22 36 06.95	+98	+22	-0.9	-0.4	-0.4	Qd B g	769	19 21 08 03.9	+87	-49	+0.3	0.0	0.0	Mn A e
1110	22 22 43 17.2	+87	+49	-1.5	-0.8	-0.9	Qc A	769	19 21 31 40.9	+70	-71	+0.9	+0.4	+0.4	Qp A
1110	22 23 48 00.54	-87	+49	+2.0		+2.0	N1 B	783	19 23 55 09.4	+99	-12	-0.4	-0.4	-0.4	Ns g
1110	22 23 48 03.10	-87	+49	+2.1		+2.2	Nk A	808	20 04 24 16.9	+99	-14	-0.2	-0.2	-0.2	Tn B
1125	23 02 27 10.89	+95	-30	+4.1	+4.2	+4.2	Nk A R	907	20 18 26 35.25	+98	+18	-0.7	-0.4	-0.4	Pa E
1125	23 02 27 21.26	+95	-30	-0.6	-0.5	-0.5	N1 2	907	20 18 26 35.35	+98	+18	-0.8	-0.5	-0.5	Pa A
1125	23 02 31 56.57	+94	-34	+2.8	+2.8	+2.9	Qd B g	907	20 18 26 35.45	+98	+18	-0.8	-0.5	-0.5	Pa B
1129	23 02 43 48.4	+99	+12	-0.5	-0.1	-0.1	Qp A	907	20 19 00 51.1	+79	+61	-0.9	-0.2	-0.2	Pg B
1129	23 02 55 47.80	+88	-47	-0.2	-0.3	-0.2	Nk 2	939	20 23 58 19.01	+98	+21	-0.3	0.0	0.0	N1 C
1129	23 02 55 47.94	+88	-47	+0.1	0.0	+0.1	N1 3	939	20 23 58 20.46	+98	+21	-0.6	-0.3	-0.2	Nk 2
1129	23 03 00 02.57	+87	-50	-0.6	-0.7	-0.7	Qd B g	939	21 00 00 03.5	+92	+40	-0.7	-0.2	-0.2	Qc A
1242	23 21 58 14.91	+98	-18	0.0	+0.2	+0.2	N1 2	942	20 23 03 15.0	+88	-48	-0.1	-0.4	-0.4	Ah A e
1242	23 21 58 18.90	+98	-18	+0.3	+0.5	+0.5	Nk A	1014	21 09 39 38.6	+66	-75	+1.3	+0.7	+0.7	An B
1242	23 22 06 43.38	+96	-29	-0.4	-0.3	-0.3	Qd A g	1059	21 19 02 42.76	+55	+84	-1.2	-0.4	-0.4	Fs A
1242	23 22 09 22.6	+100	-3	-0.5	-0.2	-0.2	Qc A	1110	22 04 47 59.0	+89	-46	+0.7	+0.4	+0.4	Sp
2331	6 05 16 32.98	-99	-16	-1.1		-1.5	N1 3	1144	22 09 08 57.0	+91	-41	+0.3	+0.1	+0.1	An B
2331	6 05 16 39.39	-99	-16	-0.7		-1.1	Nk A	1144	22 09 09 06.0	+91	-41	+0.2	0.0	0.0	Ao A g
2331	6 05 23 34.38	-99	-17	0.0		-0.4	Qd D	1144	22 09 50 36	+82	-58	0.0	-0.4	-0.4	Mc
2425	6 23 03 34.6	-76	-65	+0.2		-0.5	Gj C	1144	22 09 56 17.7	+95	-32	+0.6	+0.4	+0.5	Me A
2547	7 20 41 20.6	-83	+56	+3.9		+4.0	Gj C R	1144	22 09 56 43.8	+92	-38	-0.2	-0.4	-0.4	Mh A
2595	8 05 53 59.55	-99	-12	-0.6		-1.0	N1 3	1187	22 18 23 19.31	+26	-97	+2.0	+1.2	+1.2	Pa A p
2595	8 05 54 04.83	-99	-12	-0.4		-0.8	Nk A	1191	22 18 34 12.2	+83	-56	+0.4	0.0	0.0	Ca
2614	8 07 14 49.3	-34	+94	-0.2		+0.3	Ai B g	1216	23 00 04 39.5	+82	+57	-1.2	-0.6	-0.6	Mn A s
2736	9 01 57 51.61	-93	-37	+1.2		+0.7	Pa A	1216	23 00 20 20.90	+99	-12	-0.1	-0.1	0.0	N1 E
Lunation 275 1945 Mar.14 - Apr.12								1242	23 04 26 30.2	+98	-18	+0.6	+0.6	+0.6	Ta A
	d h m s			"	"	"		1305	23 17 18 51.8	+43	-90	+0.3	-0.4	-0.4	Gj B
308	16 16 53 55.0	+75	-66	+1.4	+0.9	+0.9	Pg B	1315	23 17 39 00.72	+81	-59	-0.5	-0.9	-0.9	Pa A p
308	16 16 54 02.1	+76	-65	+1.8	+1.3	+1.3	Pj	1315	23 17 39 01.02	+81	-59	-0.5	-0.9	-0.9	Pa E
308	16 16 54 07.4	+76	-65	+1.7	+1.2	+1.2	Pi A	1315	23 17 48 19.2	+97	-24	-0.4	-0.5	-0.5	Pi A
464	17 20 22 41.39	+96	-29	+0.6	+0.5	+0.5	N1 B	1315	23 17 48 25.4	+97	-26	-0.6	-0.7	-0.7	Pg B
464	17 20 22 43.43	+96	-29	-0.1	-0.2	-0.2	Nk 2	1329	23 23 08 39.68	+71	-71	-3.1	-3.6	-3.6	Pa E R
464	17 20 24 25.7	+99	-16	+0.7	+0.7	+0.7	Qc A	1329	23 23 11 32.5	+100	-10	+0.2	+0.3	+0.3	Pg B
464	17 20 27 30.76	+91	-41	+0.5	+0.3	+0.3	Qd D g	1370	24 07 31 30.3	+99	+14	-0.5	-0.2	-0.2	Tn A
527	18 08 07 51.8	+98	+19	-0.3	0.0	0.0	Mh A	1370	24 07 33 16.4	+100	+8	-1.0	-0.8	-0.8	Sz
581	18 14 39 28.2	+98	-22	-0.5	-0.6	-0.5	Gj R	1402	24 13 43 13.8	+80	-60	-0.7	-1.1	-1.1	Gj C
610	18 20 07 23.76	+81	+59	-0.7	0.0	0.0	N1 3	1462	25 05 34 54.0	+84	+54	-1.2	-0.6	-0.6	Ai B g
610	18 20 07 27.82	+80	+60	-0.9	-0.2	-0.2	Nk A	2291	2 02 39 22.9	+100	-6	+0.6		+0.7	Ai B p
610	18 20 09 22.48	+89	+46	-0.5	0.0	+0.1	Qd B g	2291	2 03 49 25.0	-96	+28	+0.3		+0.4	Ai B g
610	18 20 16 41.6	+69	+72	+0.4	+1.2	+1.2	Qc A	2961	6 22 38 25.0	-100	+5	+0.9		+0.8	Gj C
620	18 22 09 18.0	+97	-25	-0.5	-0.6	-0.6	Qc A	Lunation 276 1945 Apr.12 - May 11							
620	18 22 10 16.40	+91	-41	+1.0	+0.8	+0.8	N1 3		d h m s			"	"	"	
620	18 22 10 16.94	+91	-41	+0.5	+0.3	+0.3	Nk 2	581	15 00 18 18.8	+76	+65	-0.7	+0.6	+0.6	Sz
620	18 22 14 23.92	+87	-49	-0.1	-0.4	-0.4	Qd B g	581	15 00 26 21	+36	+93	-0.5	+1.0	+1.0	Bc C
658	19 03 28 40	+98	-21	-4.7	-4.7	-4.7	Bc B R	691	15 16 44 52.1	+89	-46	-0.2	-0.3	-0.3	Pg B
658	19 03 32 36.5	+94	-34	+2.6	+2.4	+2.4	Tr Rp	691	15 16 45 09.7	+90	-44	+0.5	+0.4	+0.4	Pi A
658	19 03 32 43.9	+94	-35	+0.3	+0.1	+0.1	Tn B	691	15 16 46 25	+82	-58	-0.3	-0.6	-0.6	Pe pc
658	19 03 34 05.3	+92	-40	+0.1	-0.1	-0.1	Tb B g	736	16 00 34 44	+28	-96	+0.8	-0.4	-0.4	Bc D
658	19 03 34 43.7	+90	-43	+0.1	-0.2	-0.1	Sz	866	16 19 43 51.3	+100	-8	-0.5	0.0	0.0	Qp A
755	19 19 45 30.86	+85	+52	-0.9	-0.3	-0.3	Pa B p	976	17 12 21 24.5	+45	+89	-1.0	+0.5	+0.5	Hw f
755	19 19 45 31.06	+85	+52	-1.0	-0.4	-0.4	Pa E p	1017	17 17 31 11.53	+99	+17	-0.6	+0.2	+0.2	Pc
760	19 19 52 04.6	+78	-63	-0.2	-0.7	-0.6	Qp A	1017	17 17 31 21.64	+99	+17	-0.9	-0.1	-0.1	Pa 2

For details of the codes see Introduction and Lists A and B.

1953G0AM...15E...1M

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.			p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.			p	q	$\Delta\sigma$	R_1	R_2	Codes		
Lunation 276 1945 Apr.12 - May 11										Lunation 276 1945 Apr.12 - May 11											
	d	h	m	s							d	h	m	s							
1017	17	17	31	21.74	+99	+17	-0.8	0.0	0.0	Pa E	1298	19	22	34	54.0	+78	-62	+1.2	+0.8	+0.8	Dx
1017	17	18	06	12.7	+71	+70	-0.3	+1.1	+1.1	Pg B	1298	19	22	35	16	+79	-62	-0.1	-0.5	-0.5	Dj
1017	17	18	07	49.2	+68	+73	0.0	+1.4	+1.4	Pi A	1298	19	22	36	18.2	+74	-67	+1.9	+1.4	+1.4	De
1024	17	18	57	12.83	+75	+66	-1.5	-0.2	-0.2	Pa E	1299	19	22	41	22.1	+65	-76	+0.8	+0.1	+0.1	Ca
1050	17	23	26	05.4	+98	+20	-1.2	-0.4	-0.4	Ah A g	1299	19	22	52	11	+32	-95	+0.3	-0.8	-0.8	Dh
1050	17	23	34	14.9	+99	+17	-0.9	-0.1	-0.1	Ai A g	1299	19	22	55	07	+20	-98	-0.4	-1.6	-1.6	Du
1059	18	02	09	45.0	+93	-36	+0.7	+0.7	+0.7	Sp	1302	19	22	30	08.6	+93	-38	+0.5	+0.5	+0.5	Mn A g
1059	18	02	12	52	+96	-27	+0.7	+0.9	+0.9	Ss	1302	19	22	34	17	+94	-34	+1.1	+1.2	+1.2	Du
1178	18	23	05	03.6	+48	+88	-0.3	+1.2	+1.2	Ah A e	1302	19	22	34	23.0	+100	-7	+0.3	+0.8	+0.8	Ca
1178	18	23	15	59.9	+53	+85	-1.1	+0.4	+0.4	Ai A gn	1302	19	22	35	08	+96	-29	+0.6	+0.8	+0.8	Dh
1277	19	18	45	30	-72	+69	-2.4		-1.9	Ns f	1302	19	22	37	55	+94	-33	+0.5	+0.6	+0.6	Df
1292	19	21	55	11.7	+95	-30	+0.3	+0.4	+0.4	Ns	1302	19	22	38	32	+95	-32	+3.9	+4.0	+4.0	Dm R
1292	19	21	57	15.4	+91	-42	+0.3	+0.2	+0.2	Mn A g	1302	19	22	39	15.5	+88	-47	-0.7	-0.8	-0.8	Dn
1292	19	22	03	10	+94	-34	-0.5	-0.4	-0.4	Dh	1302	19	22	38	48	+93	-36	-0.3	-0.3	-0.3	Dv a
1292	19	22	03	40.3	+99	-11	-0.1	+0.3	+0.3	Ca	1302	19	22	39	25.5	+93	-36	+1.2	+1.2	+1.2	Dx
1292	19	22	06	00	+92	-39	+0.3	+0.3	+0.3	Df	1302	19	22	39	50	+94	-35	+0.7	+0.8	+0.8	Dj
1292	19	22	06	46	+93	-37	+3.7	+3.7	+3.7	Dm R	1302	19	22	40	08	+91	-41	+3.6	+3.6	+3.6	De R
1292	19	22	06	50	+91	-41	+0.2	+0.2	+0.2	Dv a	1302	19	23	05	04.9	+63	-78	+1.1	+0.4	+0.4	Qc A
1292	19	22	35	20.7	+53	-85	+0.4	-0.5	-0.5	Qc A	1302	19	23	19	07.30	+34	-94	+1.8	+0.7	+0.7	Qd E g
1292	19	22	40	26.63	+90	-43	+0.2	+0.1	+0.1	Fs A	1303	19	22	51	21.6	+60	-80	+0.5	-0.2	-0.2	Mn A g
1293	19	22	31	11.7	+42	-91	+1.9	+0.9	+0.9	Ca	1303	19	22	57	20	+65	-76	+0.9	+0.2	+0.2	Df
1294	19	22	30	23.5	+53	-85	-0.3	-1.2	-1.2	Ca	1303	19	23	02	58.2	+48	-88	-0.1	-1.0	-1.0	Dn
1295	19	22	07	05.7	+83	+55	-2.1	-0.9	-0.9	Mn A g	1305	19	23	03	19.6	+85	+52	-1.2	0.0	0.0	Mn A g
1295	19	22	13	04	+81	+59	-2.6	-1.3	-1.3	Du	1305	19	23	09	03.5	+91	+42	-1.1	0.0	0.0	Dn a
1295	19	22	16	09	+76	+65	-2.4	-1.1	-1.1	Dh	1305	19	23	11	37	+82	+57	-0.7	+0.5	+0.5	Df
1295	19	22	16	49	+83	+56	-1.7	-0.5	-0.5	Dq	1305	19	23	11	50	+84	+55	-2.5	-1.3	-1.3	Dv
1295	19	22	16	57	+82	+57	-1.6	-0.4	-0.4	Dv	1305	19	23	12	19.9	+84	+54	-1.4	-0.2	-0.2	Dt
1295	19	22	17	11	+80	+60	-2.2	-0.9	-0.9	Df	1305	19	23	17	23.9	+51	+86	-1.0	+0.5	+0.5	Ca q
1295	19	22	17	31.8	+83	+56	-2.2	-1.0	-1.0	Dt	1305	19	23	23	12.7	+100	+9	-0.8	-0.1	-0.1	Qc A
1295	19	22	18	35	+79	+62	-0.3	+1.0	+1.0	Dm	1305	19	23	27	40.39	+99	-12	-1.1	-0.7	-0.7	Qd E g
1295	19	22	22	07.06	+99	-15	-0.1	+0.3	+0.3	N1 3	1315	20	01	28	36.7	+51	-86	+0.3	-0.6	-0.6	Ai A g
1295	19	22	25	31.5	+100	+5	-1.2	-0.6	-0.6	Qc A	1402	20	20	30	20.06	+99	+15	-0.6	+0.2	+0.2	N1 2
1295	19	22	48	39.63	+83	+56	-2.1	-0.9	-0.9	Fs A	1402	20	20	38	37.77	+100	+10	-1.0	-0.3	-0.3	Qd F g
1296	19	22	08	11.1	+90	+43	-1.8	-0.7	-0.7	Mn A g	1402	20	20	42	54.7	+93	+37	-1.7	-0.7	-0.7	Qc A
1296	19	22	10	02.2	+82	+57	+4.5	+5.7	+5.7	Ns Rh	1535	22	02	17	01.8	+97	+23	-0.8	+0.1	+0.1	Ah A g
1296	19	22	13	51	+88	+47	-1.9	-0.8	-0.8	Du	1535	22	02	28	46.7	+97	+25	-0.5	+0.4	+0.4	Ai A g
1296	19	22	16	29	+85	+52	-1.7	-0.5	-0.5	Dh	1598	22	16	45	10.4	+92	-39	-0.5	-0.5	-0.5	Pi A
1296	19	22	17	25	+92	+38	-0.8	+0.2	+0.2	De	1598	22	16	45	44.8	+92	-40	-0.3	-0.3	-0.3	Pg B
1296	19	22	17	53	+88	+47	-1.0	+0.1	+0.1	Df	1598	22	16	51	48.60	+64	-77	-0.4	-1.1	-1.1	Pa E
1296	19	22	17	53	+90	+44	-2.1	-1.0	-1.0	Dq	2223	28	20	24	27.0	+68	+73	+3.4		+4.8	Fb R
1296	19	22	18	32.4	+90	+44	-1.9	-0.8	-0.8	Dt	2223	28	20	24	48.30	+68	+74	-1.0		+0.4	Pa E
1296	19	22	18	33.0	+90	+44	-1.6	-0.5	-0.5	Dx	2223	28	20	24	48.30	+68	+74	-1.0		+0.4	Pa B
1296	19	22	19	10	+87	+49	+0.5	+1.7	+1.7	Dm	2361	29	23	10	07.60	-92	+38	0.0		0.0	Pa E
1296	19	22	25	46.0	+62	+79	-1.8	-0.4	-0.4	Ca	2361	29	23	10	07.60	-92	+38	-0.1		-0.1	Pa B
1296	19	22	26	46.74	+97	-26	0.0	+0.2	+0.2	N1 2	2498	30	23	20	35.32	+96	-29	-1.4		-1.3	Pa B
1296	19	22	29	12.1	+100	-6	-0.8	-0.3	-0.3	Qc A	2498	1	00	48	25.88	-100	+03	+0.8		+0.3	Pa B
1296	19	22	33	46.88	+96	-28	-0.8	-0.6	-0.6	Qd E g	2822	3	04	41	00.2	-95	+30	+0.8		+0.7	Ai A f
1296	19	22	49	32.63	+90	+44	-1.7	-0.6	-0.6	Fs A a	Lunation 277 1945 May 11 - June 10										
1298	19	22	25	38.1	+77	-64	+1.4	+1.0	+1.0	Mn A g		d	h	m	s						
1298	19	22	27	06.9	+94	-34	-0.1	0.0	0.0	Ca	929	14	16	13	59.1	+64	-77	+1.0	0.0	0.0	Pi A
1298	19	22	29	32	+80	-60	-0.4	-0.8	-0.8	Du	929	14	16	14	15.3	+62	-78	+1.0	0.0	-0.1	Pg B
1298	19	22	29	53	+83	-56	-0.6	-0.9	-0.9	Dh	982	14	22	21	16.0	+79	-61	-1.3	-1.9	-1.9	Ai A cw
1298	19	22	33	07	+80	-60	-0.3	-0.7	-0.7	Df	983	14	22	39	20.7	+25	-97	+1.1	-0.6	-0.6	Ai A f
1298	19	22	33	37	+81	-58	+2.1	+1.8	+1.8	Dm	1110	15	20	09	13.8	+79	-62	-0.2	-0.8	-0.8	Ca
1298	19	22	34	37	+78	-63	+1.3	+0.9	+0.9	Dq											

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 277 1945 May11 - June10								Lunation 278 1945 June10 - July 9							
	d h m s			"	"	"			d h m s			"	"	"	
1110	15 20 22 30.5	+64	-77	+0.7	-0.3	-0.3	Fk A	1544	15 19 19 36.14	+94	-34	-0.3	-0.2	-0.1	Pa B p
1110	15 20 22 35.2	+46	-89	-0.3	-1.7	-1.7	Dp	1544	15 19 19 36.64	+94	-34	-0.4	-0.3	-0.2	Pa E p
1110	15 20 23 19.5	+45	-89	+1.0	-0.4	-0.4	Dx	1544	15 19 29 43.1	+94	+34	-0.8	+0.4	+0.4	Pg B
1110	15 20 23 38.5	+44	-90	+1.0	-0.4	-0.4	Dt	1544	15 19 30 16.4	+93	+36	-1.1	+0.1	+0.1	Pi A
1110	15 20 33 56.8	+39	-92	+2.1	+0.6	+0.6	Qp A	1553	15 21 38 20.21	+87	+49	-1.6	-0.2	-0.3	N1 3
1110	15 20 56 02.9	-64	-77	+3.4		+1.3	Dp	1553	15 21 38 22.00	+87	+49	-1.7	-0.3	-0.4	Nk A
1110	15 20 56 18.5	-64	-77	+2.0		-0.1	Dx	1578	16 04 46 22	+100	-2	-1.8	-1.2	-1.1	Sw
1110	15 20 57 34.1	-89	-46	+1.1		-0.6	Ca q	1739	17 18 19 50.92	+85	-52	+0.6	+0.3	+0.5	Pa B
1152	16 03 30 59	+93	+37	-1.4	+0.1	+0.1	Sw	1739	17 18 19 51.32	+85	-52	+0.6	+0.3	+0.5	Pa A
1250	16 21 22 57	+99	-13	-0.9	-0.4	-0.3	Du	1739	17 18 19 51.42	+85	-52	+0.4	+0.1	+0.3	Pa H
1250	16 21 27 07.0	+99	-14	-1.2	-0.7	-0.7	Dx	1739	17 18 19 51.62	+85	-52	+0.4	+0.1	+0.3	Pa E
1250	16 21 51 51.87	+70	-71	+2.7	+1.8	+1.8	Nk 2	1739	17 18 30 51.1	+99	+15	-1.1	-0.2	-0.2	Pg B
1250	16 21 51 52.86	+70	-72	+2.8	+1.9	+1.9	N1 3	1739	17 18 31 12.7	+98	+18	-0.9	+0.1	+0.1	Pi A
1250	16 21 57 03.18	+68	-74	+2.1	+1.2	+1.2	Qd D g	1739	17 18 36 30.5	+100	+4	+0.4	+1.1	+1.2	Pe
1277	17 03 10 24.2	+80	-60	-0.2	-0.8	-0.8	Sp	1856	18 23 56 11.73	+65	+76	-2.3	-0.6	-0.7	Qd E g
1308	17 06 46 15	+98	+18	-1.2	-0.1	0.0	Md	1897	19 07 55 06.8	+55	-83	+0.4	-0.6	-0.4	Me A
1392	18 01 49 10.0	+100	-5	-0.8	-0.1	-0.1	Sp	1950	19 20 42 00.7	+46	-89	+3.2	+2.1	+2.2	Qc A
1392	18 02 03 39	+100	+1	-1.2	-0.4	-0.4	Sb B	2158	21 21 33 15.3	+67	+74	-0.8	+0.8	+0.8	Pg B
1485	18 23 11 07.11	+60	+80	-1.4	+0.7	+0.7	N1 3	2271	22 20 31 55.1	+99	-11	+0.1	+0.6	+0.6	Pi A
1485	18 23 11 11.78	+60	+80	-1.4	+0.7	+0.7	Nk A	2271	22 20 31 58.2	+99	-14	-0.7	-0.2	-0.2	Pg B
1485	18 23 15 42.91	+62	+78	-1.4	+0.6	+0.7	Qd A g	2271	22 20 43 26.4	+96	-29	-2.1	-1.9	-1.8	Pe c
1544	19 10 58 10.9	+98	-22	-0.6	-0.3	-0.2	An A	2291	22 22 17 29.7	+68	+74	-1.7	0.0	-0.1	Ai A g
1569	19 18 07 42.6	+42	-91	+1.9	+0.4	+0.4	Pi A	2361	23 12 24 33.1	+57	+82	-0.5	+1.2	+1.1	An B
1569	19 18 09 09.0	+38	-93	+2.1	+0.6	+0.5	Pg B	2361	23 12 24 36.3	+57	+82	-0.5	+1.2	+1.1	Ao A g
1569	19 18 22 58.1	+26	-97	-0.9	-2.6	-2.6	Pe	2498	24 13 06 21.0	+91	+42	-1.1	+0.2	+0.2	Ao A g
1578	19 19 58 50.4	+100	-9	-0.6	0.0	0.0	Qc A	170	3 03 51 24.38	-82	+57	+0.2		+0.4	Pa A
1578	19 20 00 32.13	+94	-33	-0.7	-0.6	-0.6	Qd E g	464	5 09 00 36.3	-41	+91	-0.8		+0.2	Tb B e
1578	19 20 51 48.00	+82	+57	-2.5	-0.7	-0.7	Fs A f	765	7 09 03 39.3	-39	+92	0.0		+1.0	Tb B g
1598	20 00 52 25.9	+88	-48	-0.7	-1.0	-0.9	Ah A g								
1598	20 01 03 52.2	+89	-46	-0.2	-0.4	-0.4	Ai A g								
1702	21 00 26 14.2	+93	+36	-1.3	+0.2	+0.2	Sz								
1702	21 00 28 24.2	+91	+41	-1.5	0.0	+0.1	Tb B g								
1702	21 00 29 03	+80	+60	-2.4	-0.6	-0.5	Bc D	1514	12 23 06 02.7	+97	-26	+0.7	+0.7	+0.8	Ai A cw
1702	21 00 29 36.7	+89	+46	-1.9	-0.3	-0.2	Tn B	1598	13 17 46 52.52	+86	-52	+0.3	0.0	+0.2	Pa H
1702	21 00 31 46.2	+87	+49	-1.9	-0.2	-0.2	Tr	1598	13 17 46 52.72	+86	-52	+0.2	-0.1	+0.1	Pa A
1739	21 10 37 44.0	+97	-24	-0.4	-0.1	-0.1	An B	1598	13 17 46 52.82	+86	-52	+0.1	-0.2	0.0	Pa B
1739	21 10 37 51.7	+97	-24	-0.5	-0.2	-0.2	Ao B gh	1598	13 17 46 52.92	+86	-52	+0.1	-0.2	0.0	Pa E
1755	21 14 25 47.6	+96	-27	-1.1	-0.9	-0.8	Gj C	1612	13 21 48 02.43	+39	+92	-0.9	+0.1	-0.3	N1 3
1856	22 15 41 58.8	+53	-85	+3.5	+2.2	+2.2	Gj C	1612	13 21 48 06.78	+39	+92	-1.2	-0.2	-0.6	Nk A
1897	22 23 49 14.5	+79	-61	-0.4	-1.0	-1.0	Ah A s	2005	17 18 00 20.9	+23	-97	-0.4	-1.3	-0.9	Pe
1897	23 00 05 49.3	+83	-56	+1.2	+0.8	+0.8	Ai A g	2128	18 21 49 00.8	+70	-71	-0.4	-0.9	-0.6	Ah A e
2769	30 01 54 05.0	-100	-1	+0.7		+0.5	Ai A f	2128	18 22 05 39.4	+74	-68	+0.6	+0.2	+0.4	Ai A g
3458	3 23 17 24.4	-100	+7	+1.2		-0.2	Gj C	2247	19 23 27 44.0	+82	+57	-1.2	-0.4	-0.7	Ai A g
Lunation 278 1945 June10 - July 9								2498	21 22 08 06.41	+84	+54	-1.5	-0.7	-1.0	Pa B
	d h m s			"	"	"		2498	21 22 08 07.41	+84	+54	-1.6	-0.8	-1.1	Pa E
1308	13 16 19 31.38	+91	+41	-1.8	-0.5	-0.6	Pa H	2498	21 22 47 15.9	+42	+91	-0.6	+0.4	0.0	Pg B
1308	13 16 19 31.48	+91	+41	-1.7	-0.4	-0.4	Pa E	2509	22 00 27 41.69	+85	-52	+1.5	+1.2	+1.4	Pa B
1532	15 16 57 22.6	+74	+68	-1.6	0.0	-0.1	Pi A	2509	22 00 27 41.99	+85	-52	+1.4	+1.1	+1.3	Pa H
1535	15 17 29 47.9	+84	-55	+0.5	+0.2	+0.3	Pi A	2547	22 06 19 50.7	+90	-43	+0.2	0.0	+0.2	Md
1535	15 17 30 10.4	+82	-57	+0.5	+0.1	+0.3	Pg A	2630	22 19 18 08.73	+80	-60	+0.1	-0.2	-0.1	Fs A
1544	15 19 19 32.45	+94	-34	+0.2	+0.3	+0.4	Pc	3536	29 01 31 20.08	-60	+80	+1.0		+1.3	N1 A
1544	15 19 19 35.64	+94	-34	0.0	+0.1	+0.2	Pa I p	5	29 03 52 50.19	-100	+10	0.0		-0.2	N1 2
1544	15 19 19 36.04	+94	-34	-0.2	-0.1	0.0	Pa H p	5	29 03 52 55.80	-100	+10	+0.3		+0.1	Nk A
								118	30 00 04 54.23	-63	-78	-0.4		-1.0	N1 3
								118	30 00 04 57.51	-63	-78	0.0		-0.6	Nk B

For details of the codes see Introduction and Lists A and B.

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LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 279 1945 July 9 - Aug. 8								Lunation 280 1945 Aug. 8 - Sept. 6							
	d h m s			"	"	"			d h m s			"	"	"	
249	30 22 14 17.3	-49	+87	-0.1		+0.3	Pg B	792	31 02 30 24.2	-98	-20	+0.7		0.0	Pg B
527	2 03 38 21.2	-85	+52	+1.2		+1.3	Pg B	976	1 03 16 46.09	+93	-36	+1.0		+1.6	Qd D g
847	4 03 39 09.30	-23	-97	+2.3		+1.7	Qd B g	976	1 03 16 54.70	+98	-19	-0.7		0.0	N1 2
847	4 03 49 05.07	-50	-87	+0.2		-0.4	N1 2	976	1 03 16 55.96	+98	-19	-0.5		+0.2	Nk A
847	4 03 49 05.25	-50	-87	+0.2		-0.4	Nk A	976	1 03 38 20.6	+99	-17	-0.5		+0.2	Qp A
847	4 04 05 31.9	-47	-88	+0.8		+0.2	Qp A	976	1 03 38 57	+99	+15	-0.8		-0.1	Dt
Lunation 280 1945 Aug. 8 - Sept. 6								976	1 03 46 59.9	+93	+38	+2.3		+3.1	Ns Rs
	d h m s			"	"	"		976	1 04 13 11.29	-78	-62	+0.7		0.0	Qd D g
1965	13 17 59 49.8	+94	-34	-2.3	-1.6	-1.7	Pi A	976	1 04 16 49.59	-88	-47	-0.5		-1.2	N1 3
1965	13 18 00 00.4	+93	-36	-1.5	-0.8	-0.9	Pg B	976	1 04 16 52.24	-88	-47	-0.2		-1.0	Nk A
1965	13 18 08 02.87	+40	-92	-0.1	-0.2	-0.1	Pa E	976	1 04 46 16.6	-92	-40	+0.4		-0.4	Qp A
1965	13 18 08 03.07	+40	-92	0.0	-0.1	0.0	Pa A	976	1 04 49 30.1	-98	+19	+0.7		0.0	Ns g
1965	13 18 08 03.37	+40	-92	-0.1	-0.2	-0.1	Pa I	Lunation 281 1945 Sept. 6 - Oct. 6							
1978	13 20 03 01.82	+95	-30	-1.9	-1.2	-1.3	N1 3		d n m s			"	"	"	
1978	13 20 03 03.84	+95	-30	-2.2	-1.5	-1.6	Nk A	2005	10 09 44 49.0	+90	+44	-0.4	+0.3	+0.3	Ao B g
2035	14 09 59 07.3	+69	-73	-0.1	+0.2	+0.2	An B	2035	10 17 15 05.88	+100	+7	-0.1	+0.6	+0.6	Pa 3
2035	14 09 59 14.9	+68	-73	-0.4	-0.2	-0.1	Ao A g	2035	10 17 30 46.8	+93	+38	-0.2	+0.5	+0.5	Pe
2072	14 18 03 27.8	+82	-57	+1.1	+1.6	+1.5	Pj	2035	10 17 33 59.1	+79	+61	-1.2	-0.6	-0.6	Pg B n
2072	14 18 03 40.2	+82	-57	+1.2	+1.7	+1.6	Pi A	2259	12 19 39 23.43	+82	-57	+1.1	+1.7	+1.7	N1 B
2072	14 18 04 13.5	+80	-60	+1.4	+1.8	+1.8	Pg B	2259	12 19 39 25.90	+82	-57	+1.0	+1.6	+1.6	Nk A
2089	14 22 45 32.5	+90	+43	-0.6	+0.5	+0.2	Ah A g	2259	12 19 43 18.8	+92	-39	-1.3	-0.6	-0.6	Qp A f
2089	14 22 58 23.0	+94	+35	-0.8	+0.3	0.0	Ai C f	2259	12 19 43 52.1	+85	-52	+1.1	+1.7	+1.7	Qc A
2128	15 06 39 18.0	+95	-31	-2.0	-1.3	-1.4	Mc	2345	13 10 54 08.0	+73	-68	-0.7	-0.2	-0.2	An B
2193	15 21 32 45.85	+70	-71	-0.6	-0.3	-0.3	N1 2	2401	13 21 48 13.77	+81	-59	+0.2	+0.8	+0.8	Pa A
2193	15 21 32 47.90	+71	-71	-0.8	-0.5	-0.5	Nk A	2401	13 21 48 13.87	+81	-59	+0.2	+0.8	+0.8	Pa E
2193	15 21 35 01.4	+75	-66	+0.4	+0.8	+0.8	Qc A	2425	14 03 11 17.4	+99	-14	-1.9	-1.2	-1.2	Ah A s
2193	15 21 43 28.09	+63	-78	+0.4	+0.6	+0.6	Qd C g	2432	14 04 04 59.6	+89	-45	-1.1	-0.5	-0.4	Sp q
2301	16 19 09 00.2	+100	0	-0.3	+0.6	+0.4	Fs B a	2535	14 23 32 05.4	+33	+94	-0.7	-0.4	-0.4	Ai A nc
2425	17 17 44 52.4	+95	-30	-2.5	-1.8	-1.9	Pi A	2549	15 02 35 19.7	+95	+30	-0.4	+0.3	+0.3	Ah A g
2425	17 17 44 59.3	+95	-32	-1.5	-0.8	-0.9	Pg B	2595	15 09 35 29.3	+98	-20	-3.0	-2.3	-2.3	An A
2425	17 17 58 20.9	+86	-51	-0.3	+0.2	+0.2	Pe	2595	15 09 35 36.8	+98	-20	-3.0	-2.3	-2.3	Ao A g
2432	17 19 35 58.80	+34	-94	+0.9	+0.7	+0.9	Fs B n	2604	15 10 19 30.1	+100	+8	+0.3	+1.0	+1.0	An A
2456	17 22 18 22.1	+72	+69	-0.9	+0.1	-0.2	Ah A s	2608	15 10 59 46.0	+92	-40	+0.4	+1.1	+1.1	An A
2509	18 07 49 14.9	+98	-21	-2.7	-1.9	-2.1	Me A	2661	15 18 24 57.91	+89	+45	-0.5	+0.2	+0.2	Pa 2
2509	18 07 54 07.7	+78	-63	+0.4	+0.8	+0.8	Mc	2661	15 18 24 58.21	+89	+45	-0.6	+0.1	+0.1	Pa B
2557	18 18 30 27.4	+78	-63	+0.1	+0.5	+0.5	Pi A	2661	15 18 24 58.41	+89	+45	-0.8	-0.1	-0.1	Pa E
2604	19 01 22 49.9	+81	-58	+0.6	+1.0	+1.0	Ah A s	2675	15 22 03 26.44	+98	-22	-2.2	-1.5	-1.5	Pa B
2661	19 08 37 37.2	+81	-59	+0.3	+0.7	+0.7	An A	2675	15 22 03 26.44	+98	-22	-2.3	-1.6	-1.6	Pa H
2747	19 21 52 06.3	+74	+67	-1.4	-0.4	-0.7	Ah A s	2675	15 22 03 26.54	+98	-22	-2.2	-1.5	-1.5	Pa E
2747	19 22 02 12.6	+80	+60	-1.5	-0.4	-0.8	Ai A sw	2675	15 22 14 54.0	+100	-4	0.0	+0.7	+0.7	Pg B
2747	20 00 15 15.92	+97	+24	+0.6	+1.6	+1.4	Pa B	2709	16 02 38 25.8	+97	-26	-0.7	0.0	0.0	Ah A s
2749	20 00 43 58.01	+93	+38	0.0	+1.1	+0.8	Pa B	2709	16 02 48 25.6	+80	-60	-0.5	+0.1	+0.1	Ai A cw
2754	19 22 59 19.0	+68	-74	-0.6	-0.4	-0.3	Ah A g	2714	16 03 56 42.6	+18	+98	-0.2	0.0	0.0	Sp
2754	19 23 19 35.2	+55	-84	+1.9	+2.0	+2.1	Ai A g	2754	16 08 35 16.5	+100	+10	+0.9	+1.6	+1.6	An A
2769	20 03 00 15.7	+54	+84	-0.5	+0.4	+0.1	Ai A f	2754	16 08 35 23.7	+100	+9	+0.9	+1.6	+1.6	Ao A g
2777	20 04 07 09.1	+100	+10	+1.4	+2.4	+2.1	Ah A	2754	16 09 28 12.1	+94	-35	-0.8	-0.1	-0.1	Me A
2777	20 04 13 55.4	+98	-22	-2.8	-2.0	-2.2	Ai A f	2777	16 13 42 19.3	+96	+28	-0.6	+0.1	+0.1	Ao A h
2785	20 05 51 55.8	+60	+80	+0.1	+1.1	+0.7	Ai A g	2823	16 19 14 00.5	+80	-60	+2.7	+3.3	+3.3	Qc A Ra
362	28 01 36 30.98	-23	-97	+4.0		+3.6	Pa B	2823	16 19 33 06.6	+88	-47	-0.2	+0.4	+0.4	Qp A
368	28 03 01 05.51	-99	+11	+0.3		-0.4	Qd B g	2836	16 22 01 04.80	+99	-13	-1.1	-0.4	-0.4	N1 B
389	28 03 11 58.7	-54	+84	+1.4		+1.2	Ns g	2836	16 22 01 17.66	+99	-13	-4.3	-3.6	-3.6	Nk A
401	28 09 06 17.7	-98	-22	+3.0		+2.2	Sz	2836	16 22 09 22.72	+96	-27	-2.9	-2.2	-2.2	Qd C g
523	29 08 33 11.4	-99	+17	+0.3		-0.4	Sz	2836	16 22 09 38.2	+99	-17	-2.6	-1.9	-1.9	Qc A

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 281 1945 Sept. 6 - Oct. 6								Lunation 282 1945 Oct. 6 - Nov. 4							
	d h m s			"	"	"			d h m s			"	"	"	
2836	16 22 17 28.2	+99	-16	-1.2	-0.5	-0.5	Qp A f	2811	14 01 49 59.4	+95	+32	-0.7	+0.5	+0.5	Sp
2872	17 04 25 05.1	+70	+71	0.0	+0.6	+0.5	Sr	2907	14 18 03 48.7	+70	-71	-1.8	-1.2	-1.2	Dr
2872	17 04 25 09.6	+71	+71	-0.2	+0.4	+0.3	Sp	2916	14 21 44 01.79	+100	+10	+1.3	+2.4	+2.5	Pa B
2875	17 04 33 34.7	+76	+65	-0.7	-0.1	-0.1	Sr	2916	14 21 44 01.89	+100	+10	+1.4	+2.6	+2.6	Pa E
2875	17 04 33 39.0	+76	+65	-0.9	-0.3	-0.3	Sp	2991	15 09 17 30	+90	+43	-3.7	-2.6	-2.5	Ho f
2961	17 19 56 06.42	+79	-62	+0.4	+1.0	+1.0	Pa B d	3046	15 19 19 46.26	+76	+65	-0.7	+0.3	+0.4	Fs B
2961	17 19 56 06.62	+79	-62	+0.4	+1.0	+1.0	Pa A d	3050	15 20 07 36.22	+88	+48	-0.7	+0.4	+0.5	Fs B
2961	17 20 17 33.9	+94	-35	-0.6	+0.1	+0.1	Pg B	3078	16 00 49 21.5	+99	-12	-0.4	+0.7	+0.7	Ah C e
3150	19 00 46 48.0	+98	+22	0.0	+0.7	+0.7	Sp fw	3092	16 02 58 36.6	+99	-17	-1.6	-0.5	-0.5	Sq
3197	19 09 35 56.5	+100	0	+1.0	+1.7	+1.7	An B	3092	16 02 58 38.9	+99	-17	-1.1	0.0	0.0	Sr
3197	19 09 36 03.6	+100	-1	+0.3	+1.0	+1.0	Ao B g	3092	16 02 58 45.8	+99	-17	-1.3	-0.2	-0.2	Sp
3304	20 02 56 14.9	+63	+78	+0.6	+1.1	+1.1	Sr	3150	16 12 04 49.7	+86	+50	-0.3	+0.8	+0.8	H1 A
3304	20 02 56 24.6	+63	+78	-0.4	+0.1	+0.1	Sp	3197	16 21 23 27.3	+100	-10	-1.3	-0.2	-0.2	Pg B
3304	20 03 43 04.4	+79	+61	-1.5	-0.9	-0.9	Tb B g	3228	17 01 58 45.7	+81	+59	-2.1	-1.0	-1.0	Sz
454	25 02 52 13.28	-100	+10	+0.7	0.0	0.0	N1 D	3228	17 02 03 28	+70	+72	-2.1	-1.1	-1.1	Bc B a
454	25 02 52 16.67	-100	+10	+0.1	-0.6	-0.6	Nk A	3243	17 04 52 21	+97	-24	-3.5	-2.5	-2.4	Sq
454	25 03 18 30.9	-88	+48	+1.0	+0.4	+0.4	Ks C	3243	17 04 52 23.6	+97	-24	-3.1	-2.1	-2.0	Sr
590	26 00 16 18.40	-67	+74	+0.2	-0.3	-0.3	N1 2	3243	17 05 17 49.7	+88	-47	-1.2	-0.4	-0.3	Sz
590	26 00 16 26.71	-67	+74	+1.6	+1.1	+1.1	Nk A	3425	18 10 36 19.1	+48	+88	+0.1	+0.9	+0.9	An B
593	26 00 59 49.7	-67	-74	+0.6	+0.1	+0.1	Pg B	3425	18 10 52 55.9	+100	-3	+0.1	+1.2	+1.3	Mh A
911	28 01 09 04.46	-98	-18	+1.0	+0.3	+0.3	N1 2	668	23 19 50 41.97	+73	+68	-0.5	+0.5	+0.5	Fs A
911	28 01 09 05.15	-98	-19	+0.5	-0.2	-0.2	Nk A	668	23 20 39 05.79	-89	+45	+0.4	-0.5	-0.5	Fs A
1070	29 02 04 15.10	-98	+18	+0.6	-0.1	-0.1	Pa B c	1023	25 23 31 41.71	-63	+78	+2.0	+1.5	+1.5	Pa B
1070	29 02 11 45.8	-95	+32	+0.4	-0.3	-0.3	Pg B	1036	26 02 41 05.81	-99	-17	+1.8	+0.6	+0.6	N1 2
								1036	26 02 42 13.95	-94	-34	+1.7	+0.5	+0.5	Qd D g
								1161	26 23 52 44.87	-49	+87	-0.8	-1.1	-1.1	Qd B g
Lunation 282 1945 Oct. 6 - Nov. 4								Lunation 283 1945 Nov. 4 - Dec. 4							
	d h m s			"	"	"			d h m s			"	"	"	
2218	9 17 51 03.8	+96	-27	-2.8	-1.8	-1.8	Qp A	2567	8 19 10 45.98	+75	-66	-1.7	-1.0	-1.0	Pa F
2345	10 17 20 49.0	+94	+33	-0.7	+0.4	+0.5	Pc	2597	9 00 10 23.0	+98	+18	-0.4	-0.1	+0.4	Ah A
2345	10 17 20 54.68	+94	+33	-0.8	+0.4	+0.4	Pa A pc	2608	9 01 04 32.5	+62	+79	-0.1	-0.1	+0.3	Ah A s
2345	10 17 43 49.2	+73	+68	-1.0	0.0	0.0	Pg B n	3014	11 21 39 19.12	+99	-16	-0.8	-0.3	0.0	Pa H
2353	10 19 33 53.20	+87	+49	-0.9	+0.2	+0.3	N1 2	3092	12 10 53 30.7	+91	+41	-0.3	-0.1	+0.4	Hb
2353	10 19 33 55.29	+87	+49	-1.1	0.0	+0.1	Nk A	3092	12 10 58 17	+94	+33	+2.3	+2.6	+3.0	Hm Rs
2425	11 10 12 57.8	+36	+93	-0.6	+0.1	+0.1	Ao A g	3425	14 20 57 21.6	+83	+56	-0.5	-0.4	+0.1	Pc
2472	11 19 12 30.97	+84	-54	+0.6	+1.4	+1.4	Pc	3425	14 20 57 24.64	+83	+56	-0.4	-0.3	+0.2	Pa A
2472	11 19 12 35.35	+84	-54	+1.0	+1.8	+1.8	Pa B	3425	14 20 57 24.74	+83	+56	-0.4	-0.3	+0.2	Pa H
2472	11 19 12 36.55	+84	-54	+0.6	+1.4	+1.4	Pa A	3425	14 20 57 25.04	+83	+56	-0.5	-0.4	+0.1	Pa C
2472	11 19 12 36.55	+84	-54	+0.6	+1.4	+1.4	Pa E	3425	14 21 15 05.5	+92	+40	-0.3	-0.1	+0.4	Pe
2504	11 23 24 16.5	+98	-19	-3.8	-2.8	-2.7	Bc D	3425	14 21 21 35.7	+81	+59	-0.9	-0.8	-0.3	Pg B
2504	11 23 30 58.0	+96	-28	-2.5	-1.5	-1.5	Tn B	3434	14 22 57 27.93	+78	+63	0.0	0.0	+0.6	Pa B d
2597	12 17 24 58.01	+99	-14	-1.4	-0.3	-0.3	Pa A	3478	15 05 20 19.2	+96	-29	-1.7	-1.1	-0.9	Ah A s
2597	12 17 24 58.21	+99	-14	-1.5	-0.4	-0.4	Pa E	3480	15 05 01 44.7	+73	-69	-0.7	0.0	-0.1	Sr
2597	12 17 24 59.11	+99	-14	-1.8	-0.7	-0.7	Pa H	18	15 19 35 09.1	+94	+35	-0.7	-0.5	0.0	Qp A
2597	12 17 48 44.7	+98	+19	-0.2	+1.0	+1.0	Pg B	49	16 02 49 54.4	+93	+37	-0.4	-0.2	+0.3	Ah A e
2602	12 17 38 33.6	+48	-88	+2.3	+2.6	+2.6	Fk A	49	16 02 52 03.5	+100	+9	+0.7	+1.1	+1.5	Ai A g
2604	12 18 26 07.08	+4	+100	-0.3	0.0	0.0	Pa H	60	16 05 26 43.0	+100	-6	+0.5	+1.0	+1.3	Sz
2604	12 18 26 07.18	+4	+100	-0.3	0.0	0.0	Pa R	60	16 05 26 55.5	+100	0	+1.0	+1.4	+1.8	Tn B
2604	12 18 26 09.18	+4	+100	-0.3	0.0	0.0	Pa E n	192	17 01 53 27.1	+88	+48	-1.1	-1.0	-0.4	Ah A e
2608	12 18 29 53.36	+81	+59	-1.2	-0.1	-0.1	Pa 2	792	21 04 55 13.69	-67	+74	+3.5	+2.9	+2.9	N1 B Rc
2608	12 18 29 53.56	+81	+59	-1.0	+0.1	+0.1	Pa E	817	21 07 19 35.4	-58	-82	+0.9	+0.5	+0.5	Sz
2608	12 18 57 13.5	+59	+81	-0.5	+0.4	+0.4	Pg B c	929	21 21 51 09.74	-92	+40	+0.2	-0.6	-0.6	N1 2
2777	13 22 03 11.04	+32	+95	-0.4	+0.2	+0.2	Pa H	929	21 21 51 18.82	-92	+40	+3.5	+2.7	+2.7	Nk A
2777	13 22 03 11.94	+32	+95	-0.4	+0.2	+0.2	Pa E								
2811	14 01 49 51	+95	+32	-0.6	+0.6	+0.6	Sq								

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 283 1945 Nov. 4 - Dec. 4								Lunation 285 1946 Jan. 3 - Feb. 2							
	d h m s			"	"	"			d h m s			"	"	"	
942	21 22 47 30.25	-64	-77	+2.0		+1.5	N1 B	3092	5 22 41 58.9	+75	+66	-0.9	-0.3	-0.3	Tn A i
942	21 22 47 37.39	-64	-77	+4.3		+3.8	Nk A R	3425	8 09 34 00.0	+100	+3	0.0	+0.4	+0.5	Mi g
983	22 05 57 33.04	-91	-41	+0.5		-0.2	N1 2	3425	8 09 37 38.0	+100	+10	-0.1	+0.4	+0.4	Me A g
1221	23 18 57 28.8	-72	-69	+3.3		+2.8	Gj C	3480	8 17 31 13.6	+65	+76	+0.2	+0.8	+0.8	Kp
1514	26 06 59 44.5	-82	+57	+1.1		+0.4	Tb B g	3480	8 17 37 35.0	+63	+78	-0.1	+0.5	+0.5	Cd
Lunation 284 1945 Dec. 4 - 1946 Jan. 3								3480	8 17 44 49.3	+97	-24	-1.9	-1.6	-1.5	Fs A g
	d h m s			"	"	"		3484	8 18 33 36.1	+98	+21	-0.8	-0.3	-0.3	Kp
2961	8 18 22 00.1	+79	+61	-0.2	0.0	+0.1	Pe	3484	8 18 33 51.5	+99	+17	+0.6	+1.1	+1.1	K1
2961	8 18 31 27.9	+60	+80	+0.7	+0.9	+0.9	Pg B	3484	8 18 36 50.9	+100	-4	+0.9	+1.3	+1.4	Qp C
3150	10 02 33 19.5	+47	+88	+0.1	+0.3	+0.2	Sr	3484	8 18 41 42.71	+100	-4	+0.2	+0.6	+0.7	Br A gh
3150	10 02 33 20.4	+47	+88	0.0	+0.2	+0.1	Sp	18	9 09 54 00.5	+71	-71	+0.6	+0.6	+0.7	Hp A
3409	12 02 11 28.8	+60	+80	-0.4	-0.2	-0.2	Ai A g	18	9 09 54 18	+70	-71	+0.2	+0.2	+0.3	Ho
3413	12 02 38 27.0	+80	+60	-0.9	-0.7	-0.6	Sz	18	9 09 54 26	+70	-72	+1.0	+1.0	+1.1	Hs
3413	12 02 38 53.2	+80	+60	-0.6	-0.4	-0.3	Tb A ea	18	9 09 54 32.5	+70	-71	+0.7	+0.8	+0.8	Hr A
3413	12 02 39 34.0	+76	+65	+0.8	+1.0	+1.1	Tn B	18	9 09 54 32.5	+70	-71	+0.7	+0.8	+0.8	Hr B
3480	12 12 22 05.0	+92	-39	-2.4	-2.3	-2.0	H1 A	60	9 18 56 12.10	+84	+54	-0.9	-0.3	-0.3	Qd C g
3490	12 14 15 32.6	+85	+53	-1.5	-1.3	-1.2	Gj C	60	9 18 57 02.73	+71	+71	+0.1	+0.7	+0.7	N1 3
3506	12 17 49 58.2	+98	+21	-0.1	+0.1	+0.3	Pe h	60	9 19 20 13.3	+70	+71	+0.3	+0.9	+0.9	Qp C
3506	12 17 52 46.4	+89	+45	-0.3	-0.1	+0.1	Pg B	60	9 19 26 34.9	+67	+74	+0.8	+1.4	+1.4	Br A g
3536	12 23 53 38.2	+68	+73	+0.5	+0.7	+0.7	Sz	60	9 19 30 18.3	+56	+83	+0.5	+1.0	+1.0	Nc D
3536	12 23 54 58.8	+69	+73	+0.3	+0.5	+0.5	Tb A e	178	10 16 06 15.3	+83	+56	-1.0	-0.4	-0.4	Gj B
3536	12 23 56 57.4	+66	+75	+0.4	+0.6	+0.6	Tn A	208	10 21 34 07.2	+86	-51	0.0	+0.2	+0.2	Cg
5	13 01 48 51.1	+98	+19	-0.2	0.0	+0.2	Bd	210	10 22 30 43.51	+99	-14	-0.5	-0.1	-0.1	Qd D g
5	13 01 48 54.0	+100	-3	+0.6	+0.8	+1.0	Sz	236	11 02 43 19.5	+67	-74	-0.8	-0.8	-0.7	Tp B f
5	13 01 50 06.9	+100	+1	+1.0	+1.2	+1.4	Tn B	354	12 00 04 35.1	+100	-7	+0.3	+0.7	+0.8	Ah A e
49	13 10 59 15.7	+89	-14	-0.3	-0.1	+0.2	Me	354	12 00 15 55.9	+93	-36	-1.8	-1.5	-1.5	Ai A
49	13 11 02 24.0	+82	+57	-0.5	-0.3	-0.2	Ao A g	454	12 17 45 07.0	+90	+43	-0.6	0.0	0.0	Kn
95	13 21 08 21.13	+51	+86	0.0	+0.2	+0.1	Pc	454	12 17 47 37.2	+73	+69	-0.4	+0.2	+0.2	Ns g
95	13 21 08 22.20	+52	+85	0.0	+0.2	+0.2	Pa A	454	12 18 04 11.70	+76	-65	+0.6	+0.7	+0.7	Fs A g
95	13 21 08 22.30	+52	+85	0.0	+0.2	+0.2	Pa B	454	12 18 04 12.14	+76	-65	+0.5	+0.6	+0.6	Fs B g
95	13 21 08 22.40	+52	+85	-0.1	+0.1	0.0	Pa E	577	13 12 55 09.3	+99	+11	-0.9	-0.4	-0.4	Gj B
95	13 21 08 22.60	+52	+85	-0.1	+0.1	0.0	Pa I	590	13 16 06 31.7	+99	+14	+0.1	+0.6	+0.6	Nc A
192	14 11 21 04.8	+98	+22	-0.2	0.0	+0.2	Ao A g	593	13 18 05 08.9	+99	+13	-0.6	-0.1	-0.1	Gj D
376	15 21 08 11.95	+100	-10	+0.3	+0.5	+0.8	Pc	600	13 17 55 57.6	+96	-28	-0.6	-0.3	-0.2	Kn
376	15 21 08 19.81	+100	-10	+0.6	+0.8	+1.1	Pa E	600	13 18 12 36.1	+85	-52	-0.6	-0.4	-0.4	Nc D
376	15 21 08 20.31	+100	-10	+0.4	+0.6	+0.9	Pa B	600	13 18 12 36.6	+85	-52	-0.8	-0.6	-0.6	Nc A
376	15 21 35 17.7	+100	0	+0.3	+0.5	+0.8	Pg B	614	13 21 07 13.26	+85	+52	-0.7	-0.1	-0.1	Pc
523	16 21 44 20.5	+96	-27	0.0	+0.2	+0.5	Sz	614	13 21 07 21.45	+85	+52	-0.8	-0.2	-0.2	Pa 2
523	16 21 46 28.4	+97	-25	-0.8	-0.6	-0.3	Tn A	614	13 21 07 21.50	+85	+52	-0.7	-0.1	-0.1	Pa B
577	17 06 17 48.3	+83	+56	-0.2	0.0	+0.1	Sz	614	13 21 37 05.7	+77	+64	-0.3	+0.3	+0.3	Pe
577	17 06 20 31.6	+77	+64	-1.0	-0.8	-0.7	Tn B	614	13 21 42 19.1	+63	+78	0.0	+0.6	+0.6	Pg B
668	17 17 59 22.17	+82	+57	-1.2	-1.0	-0.9	N1 B	617	13 20 57 56.48	+94	+33	-1.4	-0.9	-0.8	N1 3
668	17 17 59 24.31	+82	+57	-1.9	-1.7	-1.6	Nk A	617	13 20 58 01.06	+94	+33	-1.2	-0.7	-0.6	Nk A
668	17 18 28 27.2	+59	+81	+0.2	+0.4	+0.4	Dr	617	13 21 00 26.09	+99	+15	-1.3	-0.8	-0.8	Qd E g
861	18 23 28 18.40	+99	-11	-0.3	-0.1	+0.2	Fs B	617	13 21 09 18.8	+95	+32	-1.6	-1.1	-1.0	Qc A
876	19 02 15 13.4	+61	-79	+0.8	+0.8	+1.2	Fs B z	639	14 00 32 20.4	+92	-40	-1.3	-1.0	-1.0	Sz
876	19 02 15 14.2	+61	-79	+0.5	+0.6	+0.8	Fs A z	639	14 00 34 05.2	+92	-40	-1.3	-1.0	-1.0	Tb B k
1208	21 03 42 01.5	-40	-92	+0.9		+0.8	Ai A g	639	14 00 34 56.6	+93	-36	-1.5	-1.2	-1.2	Tn B cd
1773	26 04 05 12.74	-94	+35	+0.7		+0.2	N1 2	639	14 01 51 08.8	+99	+14	+0.2	+0.7	+0.7	Ns e
1773	26 04 10 53.22	-96	+29	+1.0		+0.5	Qd A g	639	14 01 55 59.4	+98	+22	+0.1	+0.6	+0.6	Cg
2193	30 05 39 31.35	-89	-46	+2.1		+1.8	Qd D g	639	14 02 18 49.89	+56	-83	0.0	-0.1	0.0	N1 2
2322	31 06 43 13.2	+83	-56	-3.0		-2.6	Qc A	654	14 03 20 00.8	+72	-69	+0.8	+0.9	+0.9	Tn B
								668	14 05 27 15.4	+36	-93	+1.9	+1.7	+1.7	Tn B
								668	14 05 27 43.6	+37	-93	+0.9	+0.7	+0.8	Tr
								668	14 05 33 24.9	+18	-98	+0.6	+0.3	+0.3	Tb A k

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 285 1946 Jan. 3 - Feb. 2								Lunation 286 1946 Feb. 2 - Mar. 3							
	d h m s								d h m s						
755	14 17 43 17.7	+17	+99	+0.5	+0.9	+0.9	Qc A	916	12 02 10 11.50	+92	+38	-1.2	-0.4	-0.4	Nk A
755	14 18 12 01.3	+22	+98	+0.2	+0.7	+0.6	Br A f	916	12 02 13 03.80	+94	+33	-1.2	-0.5	-0.4	Qd A g
792	15 01 14 26.62	+77	+64	-0.4	+0.2	+0.2	N1 2	916	12 02 13 45.5	+81	+58	-1.6	-0.9	-0.8	Qc A
792	15 01 14 31.19	+77	+64	-0.4	+0.2	+0.2	Nk A	923	12 01 33 37.4	+59	+81	-1.0	-0.3	-0.2	Sp
792	15 01 17 05.39	+85	+53	-0.8	-0.2	-0.2	Qd F g	929	12 03 59 02.8	+56	-83	-0.4	-0.3	-0.4	Tn A
817	15 04 05 36.2	+33	-94	+1.7	+1.5	+1.5	Sz	929	12 04 02 27.6	+47	-88	-0.3	-0.3	-0.4	Tb A
828	15 05 36 10.0	+77	+64	-0.5	+0.1	+0.1	Sz	929	12 04 03 29.4	+42	-91	+1.3	+1.3	+1.2	Sz
916	15 16 40 18.90	+16	+99	-0.5	-0.1	-0.1	Fs A g	1050	12 18 37 30.97	+98	-20	-0.5	+0.1	+0.1	N1 2
929	15 18 52 49.6	+85	+52	-1.6	-1.0	-1.0	Kn	1050	12 18 37 35.06	+98	-20	-0.8	-0.2	-0.2	Nk A
942	15 20 04 57.3	+81	-59	0.0	+0.1	+0.2	Kn	1050	12 18 40 54.82	+92	-39	-1.2	-0.7	-0.7	Qd E g
1050	16 10 39 52.3	+100	-9	-2.2	-1.8	-1.8	Ht	1050	12 18 46 13.0	+98	-22	-0.6	0.0	0.0	Qc A
1514	20 02 30 57.52	-68	+73	+1.1		+1.0	N1 B	1050	12 19 09 47.8	+95	+31	-1.5	-0.8	-0.7	Ke
1598	20 20 14 35.1	-92	-38	+1.2		+0.6	Gj C	1050	12 19 20 08.6	+91	+42	-1.9	-1.2	-1.1	Cg
1856	23 08 38 08.2	-98	+21	+0.5		+0.1	Tp B f	1050	12 19 21 29.2	+89	+45	-1.6	-0.8	-0.8	Ca
1950	24 06 28 52.21	-92	+39	+0.3		0.0	N1 2	1050	12 19 23 27.1	+91	+41	-1.0	-0.2	-0.2	Cd
Lunation 286 1946 Feb. 2 - Mar. 3								1050	12 19 24 04.9	+90	+43	-2.2	-1.4	-1.4	Ch
	d h m s							1178	13 18 58 27.0	+66	-75	-0.3	-0.1	-0.2	Gj D
3446	4 18 43 28.82	+98	+22	+0.2	+0.9	+1.0	Pa A d	1208	13 23 58 00.79	+93	-37	-1.5	-1.0	-1.0	Pa 2
3446	4 18 43 29.32	+98	+22	0.0	+0.7	+0.8	Pa E d	1221	14 02 12 55.62	+61	+79	-1.8	-1.1	-1.0	N1 D
3480	5 00 12 29.3	+47	-88	+0.9	+0.9	+0.8	Tn A p	1598	17 04 12 00.0	+84	+54	-0.8		0.0	Sb B
60	6 01 04 24.8	+70	-72	-2.5	-2.2	-2.3	Sp Ra	1689	18 02 12 07.80	-84	-55	+0.3		-0.5	Pa E
106	6 10 56 10.5	+93	+38	+0.2	+1.0	+1.0	Hp A	1702	18 04 27 24.0	-87	-49	+0.8		0.0	Sz
106	6 10 56 42	+91	+41	-1.4	-0.6	-0.6	Hk	1702	18 05 20 34.28	+58	+82	-1.3		-0.5	N1 B
150	6 17 24 01.10	+48	+88	-0.1	+0.5	+0.6	Fs A g	1702	18 05 27 33.48	+58	+82	+2.5		+3.3	Qd A Rs
192	6 23 38 07.7	+71	-71	+0.5	+0.8	+0.7	Ah A g	1702	18 05 52 15.09	+30	+95	-1.9		-1.7	N1 B dp
303	7 21 24 01.47	+99	-15	+0.9	+1.5	+1.5	N1 3	2020	21 06 48 40.6	-94	-35	+2.1		+1.3	Tp C p
303	7 21 24 04.44	+99	-15	+0.3	+0.9	+0.9	Nk A	2213	23 03 02 30.95	-100	+8	-0.2		-0.8	N1 3
303	7 21 28 37.55	+95	-31	-1.3	-0.8	-0.8	Qd F g	2213	23 03 02 36.02	-100	+8	+0.6		0.0	Nk A
303	7 21 31 11.8	+51	+86	-1.2	-0.6	-0.5	Ns hf	2218	23 04 39 52.22	-95	+32	+0.8		+0.3	N1 3
303	7 21 34 58.3	+55	+84	-0.2	+0.4	+0.6	Ca	2218	23 04 39 57.83	-95	+32	+1.6		+1.1	Nk A
308	7 22 48 09.02	+26	+97	-0.2	+0.3	+0.4	Qd F g	2331	24 00 41 50.72	-80	+60	+1.4		+1.1	Pa E
322	8 00 08 15.6	+74	+67	+0.1	+0.8	+0.9	Tp B g	2343	24 03 13 54.54	-70	-72	+1.1		+0.3	N1 2 c
322	8 00 16 39.7	+68	+73	+0.3	+1.0	+1.1	Tb A k	2343	24 03 13 58.09	-66	-75	+1.5		+0.7	Qd A g
327	8 01 21 00.6	+53	+85	+0.4	+1.0	+1.1	Tp B g	2343	24 03 14 02.98	-70	-72	+1.5		+0.7	Nk A
527	9 14 47 27.2	+68	-73	+0.7	+0.9	+0.8	Gj B	2343	24 03 46 45.7	-98	+18	+0.6		0.0	Ns e
577	9 20 13 36.83	+99	-12	-0.5	+0.1	+0.1	N1 3	2457	25 01 54 00.4	-92	+39	+0.6		+0.1	Pg B
577	9 20 13 37.91	+99	-12	+0.9	+1.5	+1.5	Nk A	2457	25 01 54 22.29	-97	-23	-0.6		-1.4	Pa E
577	9 20 20 28.50	+95	-30	-1.4	-0.8	-0.9	Qd D g	Lunation 287 1946 Mar. 3 - Apr. 2							
577	9 20 38 55.3	+83	+56	-0.2	+0.5	+0.6	Ke		d h m s						
577	9 20 39 27.9	+82	+57	+0.1	+0.8	+0.9	Kn	202	6 09 13 31.2	+97	+25	0.0	+0.5	+0.6	Ao B gh
700	10 15 07 40.7	+92	+40	-1.2	-0.4	-0.4	Gj D	249	6 17 28 22.8	+29	+96	+0.3	+1.0	+1.0	Cg
752	11 01 07 31.6	+55	+83	-0.3	+0.3	+0.4	Tb A h	249	5 17 29 02.2	+33	+94	-0.2	+0.6	+0.5	Cd
752	11 01 12 34.6	+48	+88	-0.1	+0.5	+0.6	Tr	249	6 17 30 19.4	+28	+96	+0.1	+0.8	+0.8	Ch
755	11 01 24 17.8	+97	-26	-1.1	-0.5	-0.6	Bc E a	298	7 02 51 23.6	+99	+17	-0.9	-0.4	-0.4	Sr
755	11 01 29 50.5	+85	-52	-1.6	-1.2	-1.2	Tb A	298	7 02 51 25.2	+99	+17	-1.2	-0.7	-0.7	Sp
755	11 01 30 50.8	+88	-47	-1.8	-1.4	-1.4	Tr	360	7 13 40 32.5	+98	-22	+0.4	+0.6	+0.7	Gj D
766	11 02 48 07.8	+100	-3	-0.2	+0.5	+0.5	Sp	384	7 17 55 18.92	+97	+23	0.0	+0.5	+0.6	Pc
766	11 03 36 57.8	+82	+57	-1.0	-0.3	-0.2	Tn A	384	7 17 55 24.05	+97	+23	0.0	+0.5	+0.6	Pa E
907	12 00 43 04.2	+49	-87	-0.2	-0.2	-0.2	Qc A	469	8 10 12 40.6	+78	-63	+0.5	+0.4	+0.4	Ao B g
916	12 00 33 41.5	+100	+4	-0.6	+0.1	+0.1	Tb A	478	8 12 23 48.6	+75	+66	-0.4	+0.3	+0.3	Hp A
916	12 00 35 01.0	+100	+8	-1.1	-0.4	-0.4	Tn B	527	8 20 44 00.76	+92	-40	-1.0	-0.9	-0.8	N1 2
916	12 00 36 29.4	+100	+7	-1.6	-0.9	-0.9	Tr	614	9 08 56 42.3	+34	-94	+1.5	+1.0	+1.1	An A
916	12 02 10 09.42	+93	+38	-0.9	-0.2	-0.1	N1 2	614	9 08 56 55.4	+34	-94	+1.5	+1.0	+1.1	Ao A g
								691	9 19 22 40.7	+83	-56	+0.2	+0.2	+0.2	Ns e

For details of the codes see Introduction and Lists A and B.

1953G0AM...15E...1M

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 287 1946 Mar. 3 - Apr. 2								Lunation 288 1946 Apr. 2 - May 1							
	d h m s								d h m s						
691	9 19 58 58.64	+46	-89	-0.8	-1.2	-1.2	Br A e	792	6 19 40 42.4	+84	-54	-0.3	-0.3	-0.2	Cd
700	9 21 14 25.97	+73	+68	0.0	+0.7	+0.7	Qd F g	792	6 19 44 11.2	+70	-72	+2.3	+1.8	+2.0	Ki
725	10 00 44 11.2	+57	+82	-0.4	+0.4	+0.4	Sp	792	6 19 45 12.5	+66	-75	+1.0	+0.4	+0.6	Kn
839	10 19 58 38.40	+91	+42	-1.3	-0.7	-0.6	Pc	792	6 19 46 54.7	+62	-78	+0.5	-0.2	+0.1	Kt
839	10 19 58 45.38	+91	+42	-1.0	-0.4	-0.3	Pa 2	792	6 19 47 17.6	+51	-86	+0.4	-0.5	-0.2	Dt
839	10 19 58 45.63	+91	+42	-1.0	-0.4	-0.3	Pa B	792	6 19 47 53.3	+62	-78	+0.5	-0.2	+0.1	Kp
861	10 22 21 58.6	+97	-23	-0.6	-0.4	-0.3	Ns g	859	7 04 46 38.5	+96	+28	-0.4	+1.0	+0.8	Td
861	10 22 27 44.5	+93	-37	-0.1	0.0	+0.1	Du	865	7 05 22 41.3	+99	-16	-0.8	-0.1	-0.2	Td
861	10 22 32 50.5	+90	-44	-1.4	-1.3	-1.3	Dt	954	7 17 36 25.18	+99	-16	-0.2	+0.5	+0.4	Fs A ¹ g
861	10 22 40 07.74	+96	-29	0.0	+0.2	+0.2	Br A e	956	7 18 19 28.91	+37	-93	+1.7	+0.5	+0.9	Fs A g
887	11 01 41 42.4	+100	-8	0.0	+0.3	+0.4	Sp	960	7 18 49 41.29	+52	-85	-0.4	-1.3	-1.0	Br A
887	11 01 57 06.1	+97	-23	0.0	+0.2	+0.3	Sb B	1055	8 08 26 18.1	+97	+25	-1.2	+0.2	-0.1	An B
887	11 02 29 02.5	+82	+57	-1.2	-0.5	-0.5	Sz	1055	8 08 26 23.3	+97	+25	-1.1	+0.3	0.0	Ao B g
887	11 02 32 06.4	+74	+67	-0.7	0.0	0.0	Tn B	1070	8 12 05 38.5	+93	+37	-1.6	0.0	-0.3	Hd
1017	11 20 20 29.61	+85	-53	-0.1	-0.1	0.0	Br A g	1178	9 06 43 16.1	+78	-62	+0.4	+0.2	+0.3	Td
1036	12 00 15 42.53	+69	-72	+1.4	+1.2	+1.3	Br A g	1253	9 19 37 03.1	+35	-94	+2.2	+1.0	+1.3	Ca
1050	12 02 06 35.2	+43	-90	+0.5	+0.1	+0.1	Bc D	1253	9 19 39 35.9	+38	-93	+1.9	+0.7	+1.1	Cd
1052	12 03 00 29.8	+82	+57	-1.2	-0.5	-0.5	Sb B	1253	9 19 39 42.0	+28	-96	+2.6	+1.3	+1.6	Cg
1097	12 10 49 27.6	+69	-72	+0.9	+0.7	+0.8	An B	1253	9 19 39 52	+38	-93	-1.9	-3.1	-2.7	Cb R
1097	12 10 49 34.2	+69	-72	+1.1	+0.9	+1.0	Ao A g	1308	10 04 29 54.3	+99	-13	-0.5	+0.3	+0.2	Td
1099	12 10 44 21.6	+100	-7	-0.3	0.0	+0.1	An B	1334	10 10 22 46.9	+100	-1	-0.4	+0.6	+0.4	An B
1099	12 10 44 27.6	+100	-7	-0.3	0.0	+0.1	Ao A g	1334	10 10 22 53.3	+100	-1	-0.6	+0.4	+0.2	Ao B g
1155	12 20 32 15.46	+83	-56	+0.6	+0.6	+0.6	Pc	1499	11 22 30 52.0	+99	-16	+0.2	+0.9	+0.8	Pg B
1155	12 20 32 22.51	+83	-56	+0.5	+0.4	+0.5	Pa 2	1499	11 22 31 08.88	+62	-78	-0.1	-0.8	-0.5	Pa E dw
1155	12 20 32 22.51	+83	-56	+0.5	+0.4	+0.5	Pa C	1499	11 22 31 10.88	+62	-78	-0.7	-1.4	-1.1	Pa B dw
1157	12 21 19 18.23	+55	-83	-0.6	-0.9	-0.9	Pc	1514	11 23 55 52.5	+100	+9	-1.5	-0.3	-0.5	Sz
1157	12 21 19 19.80	+56	-83	-0.3	-0.6	-0.6	Pa A	1514	11 23 57 27.2	+99	+12	-2.1	-0.9	-1.1	Tb A
1157	12 21 19 20.00	+56	-83	-0.4	-0.7	-0.7	Pa B	1514	11 23 58 23.5	+98	+18	-1.0	+0.3	+0.1	Tn A
1161	12 21 46 53.57	+83	-56	+0.5	+0.4	+0.5	Br A e	1535	12 04 14 14.2	+100	+9	-1.9	-0.7	-0.9	Sr
1161	12 21 49 13.8	+60	-80	+0.5	+0.2	+0.3	Qp A	1535	12 04 14 21.2	+100	+9	-2.2	-1.0	-1.2	Sp
1178	12 23 32 51.8	+95	-30	+0.1	+0.3	+0.3	Sz	1598	12 18 37 53.09	+64	+77	-1.2	+0.7	+0.3	Fs B g
1178	12 23 34 47.1	+97	-23	-0.6	-0.4	-0.3	Tn B	1612	12 23 35 47.0	+99	-16	-0.2	+0.5	+0.4	Ca
1178	12 23 36 14.8	+97	-23	-0.5	-0.3	-0.2	Tr	1612	12 23 36 28.6	+98	-18	-1.1	-0.4	-0.5	Cg
1178	13 01 20 50.56	+88	+48	-1.7	-1.0	-1.0	N1 B	1612	12 23 38 04.8	+94	-34	-0.8	-0.4	-0.4	Ke
1950	19 21 41 17.42	-89	+45	-0.8	-0.9	-0.9	N1 B	1612	12 23 42 10.0	+94	-35	-0.9	-0.5	-0.5	K1
1950	19 21 41 32.0	-79	+62	-0.3	-0.3	-0.3	Qc A	1621	13 00 05 57.9	+69	-73	+0.2	-0.3	-0.1	Ah A e
2088	21 06 47 33.3	+97	-24	-0.1	+0.2	+0.2	Tp C p	1739	14 04 58 35.6	+94	+33	-1.3	+0.2	-0.1	Ai A e
2088	21 08 15 36.7	-98	+18	+0.5	+0.2	+0.2	Tp C p	2213	18 17 41 42.4	-78	+62	+1.9	+2.0	+2.0	Gj C
2088	21 08 18 59.2	-95	+32	+0.2	0.0	0.0	Sz	2353	19 20 11 07.0	-45	-89	+1.5	0.0	0.0	Pg B
2088	21 08 19 49.0	-94	+35	+0.8	+0.6	+0.6	Tb B	2376	20 01 01 20.52	-93	-38	+1.5	+0.2	+0.2	N1 2
2394	23 21 20 21.77	-97	-24	+0.8	+0.2	+0.2	Pa E	2376	20 01 35 11.7	-87	+49	+1.2	+1.1	+1.1	Cg
2692	26 02 47 22.24	-96	+29	+1.3	+1.1	+1.1	Pa B	2376	20 01 45 18.4	-85	+53	+1.8	+1.7	+1.7	Nc C
2692	26 02 47 22.94	-96	+29	+1.5	+1.3	+1.3	Pa E	2513	21 03 03 33.4	+92	-38	+2.6	+2.9	+2.9	Nc C R
2694	26 03 13 24.67	-93	-36	+0.6	0.0	0.0	Pa E	2513	21 03 20 22.01	-55	-84	+0.4	-1.1	-1.1	N1 C
2836	27 01 03 46.43	-67	-74	+0.3	-0.4	-0.4	Pa E	2513	21 03 48 21.3	-93	-37	+0.4	-0.9	-0.9	Ns f
2836	27 01 03 47.13	-67	-74	+0.4	-0.4	-0.4	Pa B	2513	21 04 08 28.8	-89	-46	+0.8	-0.5	-0.5	Qp A
Lunation 288 1946 Apr. 2 - May 1								2672	22 06 27 32.5	+58	-81	+1.4	+0.9	+0.9	Tp B f
	d h m s							2672	22 06 29 09.5	+75	-66	+0.6	+0.4	+0.4	Tb A
784	6 18 25 29.31	+92	-40	-0.7	-0.4	-0.4	Fs B g	2672	22 07 39 01.0	-90	-43	+1.4	+0.1	+0.1	Tb A
792	6 19 30 30.2	+77	-63	+0.3	0.0	+0.2	Ns g	2678	22 07 00 58.1	+100	+2	+1.6	+2.5	+2.5	Tp B Rp
792	6 19 38 51.9	+84	-55	+0.2	+0.1	+0.2	Ca	2678	22 08 27 34.7	-96	+28	+4.5	+4.0	+4.0	Tp B Rp
792	6 19 39 55.4	+82	-58	-0.2	-0.3	-0.2	Cg	2678	22 08 35 41.8	-92	+39	+2.5	+2.2	+2.2	Tb A Ra
792	6 19 40 39.5	+84	-54	-0.4	-0.4	-0.4	Cb	2790	23 01 50 03.0	-80	-60	+0.4	-1.0	-1.0	Pg B
								2811	23 04 23 32.3	-99	-17	-1.0	-2.1	-2.1	Ai A
								3349	27 04 52 10.60	+63	+78	+2.0	+3.5	+3.5	N1 D R

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 289 1946 May 1 - May 30								Lunation 290 1946 May 30 - June 29							
916	d h m s 4 21 21 22.7	+55	-84	-0.3	-0.6	-0.6	Nc A	1019	d h m s 1 20 25 39.04	+36	+93	-0.2	+1.7	+1.2	Qd F p
916	4 21 21 22.9	+55	-84	-0.5	-0.8	-0.8	Nc C	1052	2 02 13 07.8	+99	-17	-0.8	-0.1	+0.3	Sp
956	5 02 14 28	+90	-43	-0.5	-0.2	-0.1	Bc E a	1178	2 21 59 34.0	+98	-19	0.0	+0.7	+1.1	Kl
1055	5 16 18 01.4	+100	-4	-0.9	-0.2	0.0	Pg B	1178	2 22 01 28.8	+97	-26	-1.2	-0.6	-0.2	Dt
1070	5 19 14 20.3	+74	+68	-1.0	+0.2	+0.3	Nc C	1180	2 22 27 44.6	+73	-68	+1.5	+1.1	+1.7	Ah A s
1070	5 19 14 20.6	+74	+68	-1.1	+0.1	+0.2	Nc A	1180	2 22 31 46.9	+73	-68	+1.9	+1.5	+2.1	Ai A g
1080	5 21 13 08.0	+38	+93	-0.2	+0.9	+1.0	Ns g	1200	3 02 33 05.3	+79	+62	-2.2	-0.4	-0.5	Tn A
1080	5 21 20 21.15	+100	+1	+2.2	+3.0	+3.1	Qd B Rs	1308	3 19 45 34.37	+99	+13	-0.9	+0.3	+0.5	Fs B g
1080	5 21 20 45.10	+39	+92	-0.3	+0.8	+0.9	Ke c	1462	5 03 49 02.8	+32	-95	+2.8	+1.6	+2.2	Tp B p
1107	6 01 40 49.2	+97	+25	-1.0	0.0	+0.1	Tp B f	1533	5 16 28 10.8	+65	+76	-1.9	0.0	-0.3	Pg B
1178	6 13 43 50.1	+53	-85	+0.5	+0.2	+0.2	Hl A	1544	5 18 47 34.61	+93	+36	-1.5	0.0	+0.1	Fs B g
1178	6 13 43 56.5	+53	-85	+0.2	-0.1	-0.1	Hf D	1569	6 01 26 35.0	+100	+3	-1.4	-0.4	-0.1	Tp C f
1221	6 20 02 28.8	+82	-58	-0.4	-0.3	-0.2	Cg	1569	6 01 27 45.6	+97	+26	-1.6	-0.2	-0.1	Tn A
1221	6 20 02 53	+85	-53	+1.1	+1.3	+1.4	Cb	1659	6 20 58 35.1	+96	+28	-1.7	-0.3	-0.2	Dk g
1221	6 20 02 56.8	+85	-53	+0.5	+0.7	+0.8	Cd	1659	6 21 02 32.85	+92	+40	-2.4	-0.8	-0.8	Ke c
1221	6 20 03 19	+82	-57	+0.4	+0.5	+0.6	Cj	1659	6 21 02 46.5	+91	+41	-2.3	-0.7	-0.7	Kn
1221	6 20 08 26.9	+67	-74	0.0	-0.1	-0.1	Kn	1659	6 21 06 22	+81	+59	-2.2	-0.4	-0.6	Cb
1221	6 20 08 55.07	+65	-76	-2.4	-2.6	-2.5	Ke Ra	1659	6 21 06 27.3	+80	+60	-2.2	-0.4	-0.6	Cd
1221	6 20 09 12.5	+65	-76	+0.5	+0.3	+0.4	Kb	1659	6 21 08 24.61	+95	-30	-0.4	+0.1	+0.5	Nl 2
1221	6 20 10 01.0	+65	-76	0.0	-0.2	-0.1	Kt	1659	6 21 16 21.46	+85	+52	-2.8	-1.1	-1.2	Bv e
1221	6 20 11 10.0	+83	-56	-0.7	-0.6	-0.4	Nc A	1659	6 21 16 22.97	+96	-29	-1.0	-0.5	-0.1	Qd E g
1221	6 20 11 10.4	+83	-56	-0.8	-0.6	-0.5	Nc C	1659	6 21 16 57.56	+85	+53	-2.7	-1.0	-1.1	Br A e
1334	7 16 30 17.85	+12	-99	+0.5	-0.3	-0.3	Pa 2	1701	7 05 12 31.2	+96	+28	-2.5	-1.1	-1.0	Me A g
1462	8 19 46 06.1	+20	-98	-0.5	-1.2	-1.2	Cd	1701	7 05 15 14.5	+100	+4	-1.2	-0.1	+0.1	Md g
1462	8 19 46 14	+19	-98	-1.4	-2.1	-2.1	Cb	1701	7 05 16 21.1	+97	+23	-1.7	-0.4	-0.2	Mf A g
1479	8 23 39 12.4	+81	-59	+2.4	+2.5	+2.6	Ns Rf	1701	7 05 16 21.1	+97	+23	-1.6	-0.3	-0.1	Mh A g
1479	8 23 40 57.6	+89	-45	+0.3	+0.6	+0.7	Cg	1701	7 05 16 21.3	+97	+23	-1.6	-0.3	-0.1	Mi g
1479	8 23 47 19.1	+84	-55	0.0	+0.2	+0.3	Kn	1701	7 05 16 21.8	+97	+23	-1.7	-0.4	-0.2	Mg
1479	8 23 47 41.73	+83	-56	-0.2	0.0	+0.1	Ke	1813	8 10 57 46.5	+100	+1	-0.2	+0.8	+1.1	Md f
1479	8 23 48 30.8	+83	-56	-0.4	-0.2	-0.1	Kt	1813	8 11 06 29	+94	+35	-1.6	-0.1	0.0	Mi f
1484	9 00 49 23.8	+40	-92	+3.0	+2.5	+2.5	Aw Rf	1985	10 01 57 05.1	+68	-73	-1.1	-1.6	-1.0	Tn B
1533	9 09 16 30.5	+80	+60	-2.6	-1.5	-1.3	So A g	1985	10 01 59 03.8	+61	-79	+0.7	0.0	+0.7	Sz
1598	10 00 24 33.4	+83	+55	-1.9	-0.8	-0.6	Sz	1985	10 02 03 00.9	+41	-91	+2.6	+1.5	+2.2	Tp B f
1598	10 00 27 14.9	+80	+60	-2.3	-1.2	-1.0	Tb A	1994	10 04 42 40.8	+93	+36	-1.2	+0.3	+0.4	Tp B f
1598	10 00 29 23.4	+75	+66	-2.5	-1.3	-1.2	Tn B	1994	10 04 45 16.6	+89	+46	-1.8	-0.2	-0.2	Sz
1612	10 05 55 07.5	+79	-61	+0.9	+1.0	+1.1	Tn B	1994	10 04 45 19.9	+86	+51	-2.7	-1.0	-1.1	Tn B b
1612	10 05 58 12.8	+76	-65	+1.4	+1.4	+1.5	Sz	2302	13 00 30 55.66	+85	+53	-1.2	+0.5	+0.4	Nl B n
1612	10 06 03 34.3	+67	-74	+0.2	+0.1	+0.1	Tp B f	2302	13 00 31 01.80	+85	+53	-1.2	+0.5	+0.4	Nk A n
1689	10 21 39 32.7	+95	-32	-0.8	-0.4	-0.2	Pg B	2302	13 00 38 57.26	+87	+50	-0.6	+1.1	+1.0	Qd E g
1689	10 21 47 28.02	+41	-91	+1.5	+1.0	+1.0	Pa B	2302	13 00 42 24.6	+37	+93	-1.2	+0.7	+0.2	Ns s
1702	11 00 02 17.02	+54	-84	-0.1	-0.4	-0.4	To	2302	13 00 43 42.3	+77	+63	-1.0	+0.8	+0.6	Qc A
1702	11 00 04 18.2	+54	-84	0.0	-0.3	-0.3	Tn B	2302	13 00 48 27.8	+47	+88	-1.2	+0.7	+0.3	Dt
1702	11 00 06 58.7	+47	-88	+2.3	+1.9	+1.9	Tb A	2302	13 00 48 33	+47	+88	+2.7	+4.6	+4.2	Da R
1702	11 00 08 11.2	+41	-91	+1.8	+1.3	+1.3	Sz	2302	13 00 55 47.4	+41	+91	-0.9	+1.0	+0.6	Kn
1702	11 01 29 50.08	+83	+56	-1.6	-0.5	-0.3	Nl C	2302	13 01 09 24.5	-32	+95	+3.8	+4.4		Ns Rf
1702	11 01 37 28.4	+26	+97	-0.5	+0.6	+0.6	Qp A	2302	13 01 44 04.55	-79	+62	+2.3	+1.9		Nl B
1994	13 21 25 03.5	+99	+17	-0.5	+0.4	+0.6	Ns f	2303	13 00 31 29.78	+84	+55	-1.6	+0.1	0.0	Nl 3
1994	13 21 25 11.94	+75	-66	-0.9	-0.9	-0.8	Nl B dc	2303	13 00 31 35.70	+84	+55	-1.6	+0.1	0.0	Nk A
2022	14 04 22 34.3	+99	+11	-1.1	-0.2	-0.1	Tp C p	2303	13 00 39 28.52	+86	+52	-0.9	+0.8	+0.7	Qd E g
2022	14 04 28 23.8	+97	+26	-1.5	-0.5	-0.4	Sz	2303	13 00 44 11.6	+76	+65	+1.4	+3.2	+3.0	Qc A Ra
2022	14 04 29 49.2	+96	+29	+0.9	+1.9	+2.1	Tb A ah	2303	13 00 44 12.1	+32	+95	-0.7	+1.2	+0.7	Ns g
3150	23 00 05 22.25	-88	+47	+1.2	+0.8		Pa B	2303	13 00 49 49.0	+44	+90	-1.3	+0.6	+0.2	Dt
3150	23 00 05 23.25	-88	+47	+1.5	+1.1		Pa E	2864	17 03 39 49.20	-55	+84	-0.8	-0.6		Nk A
3158	23 02 23 35.58	-91	-42	+1.0	-0.2		Qd D g	2864	17 03 55 17.91	-73	+69	+2.4	+2.2		Qd B g
3158	23 02 24 20.54	-93	-37	+2.4	+1.2		Nl 2								

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 291 1946 June 29 - July 28								Lunation 291 1946 June 29 - July 28							
	d h m s								d h m s						
1435	2 06 43 12.1	+34	-94	+1.1	0.0	+0.7	Md g	2513	11 21 11 59.8	+98	-19	-1.5	-0.9	-0.8	Dn
1484	2 17 11 26.7	+14	-99	+0.2	-1.2	-0.4	Pg B	2513	11 21 13 05.2	+91	-42	-0.6	-0.4	-0.2	Qc A
1535	3 02 15 36.6	+95	+30	-1.9	-0.5	-0.9	Sp	2513	11 21 27 00.95	+100	-3	-0.9	0.0	-0.1	Ke
1535	3 02 31 18.2	+32	+95	-1.0	+0.8	0.0	Tp B f	2513	11 21 27 40.2	+100	-2	-1.0	-0.1	-0.2	Kn
1612	3 20 22 57.3	+81	-59	+1.5	+1.4	+1.7	Ga A	2513	11 21 27 42	+100	-3	-0.2	+0.7	+0.6	Ku
1612	3 20 22 57.5	+81	-59	+1.4	+1.3	+1.6	Ga B	2513	11 21 27 44.8	+100	-3	-1.0	-0.1	-0.2	Kt
1647	4 03 26 49.2	+92	+40	-2.1	-0.6	-1.0	Sq	2513	11 21 32 03.5	+100	-10	-0.8	0.0	0.0	Qp D
1647	4 03 26 52.7	+92	+40	-2.0	-0.5	-0.9	Sr	2513	11 21 33 10.8	+99	-14	-1.3	-0.6	-0.6	Gt A g
1647	4 03 26 55.0	+92	+40	-2.4	-0.9	-1.3	Sp	2513	11 21 33 11.1	+99	-14	-1.5	-0.8	-0.8	Gt B e
1647	4 03 33 39.2	+90	+43	-2.3	-0.8	-1.2	Sb B f	2513	11 21 34 43.5	+100	+6	+0.5	+1.5	+1.4	Cg
1725	4 20 39 38.94	+99	+16	-1.5	-0.3	-0.6	Qd B g	2513	11 21 38 47.8	+100	+8	+0.7	+1.8	+1.6	Ch
1725	4 20 44 02.8	+75	+66	-1.8	-0.1	-0.7	Gt B e	2513	11 21 38 54.5	+100	+8	-2.3	-1.2	-1.4	Cd
1725	4 20 45 07.87	+53	+85	-2.3	-0.5	-1.2	Bv d	2513	11 21 43 43.11	+100	+1	-0.9	+0.1	-0.1	Bv
1725	4 20 45 08.76	+53	+85	-2.3	-0.5	-1.2	Bt A	2513	11 21 43 44.55	+100	+1	-1.1	-0.1	-0.3	Bt 2
1725	4 20 51 16.7	+53	+85	-1.9	-0.1	-0.8	Ga A	2513	11 21 53 15.0	+100	-1	-0.8	+0.1	0.0	Ga C
1725	4 20 51 16.9	+53	+85	-1.9	-0.1	-0.8	Ga B	2513	11 21 53 15.4	+100	-1	-0.9	0.0	-0.1	Ga B
1813	5 17 38 04.20	+95	+30	-0.8	+0.6	+0.2	Pa E	2513	11 22 11 59.86	+97	-24	-2.1	-1.6	-1.5	Fs A g
2032	7 21 04 24.46	+66	+75	-2.5	-0.7	-1.4	Fs A g	2513	11 23 01 24.5	-100	-6	+1.5		+0.6	Gt C
2033	7 20 33 20.3	+83	-56	+1.7	+1.6	+2.0	Dn	2513	11 23 01 24.7	-100	-6	+1.4		+0.5	Gt A g
2033	7 20 37 20.5	+88	-47	-0.1	0.0	+0.3	Dt	2672	13 02 52 04.62	+99	-16	-1.7	-1.0	-1.0	N1 C
2033	7 20 37 24	+89	-46	+1.3	+1.4	+1.7	Da	2672	13 03 00 05.00	+95	-31	-0.6	-0.2	0.0	Qd E
2033	7 20 40 44.3	+92	-38	+1.1	+1.4	+1.6	Ke	3343	18 00 46 01.18	-100	-9	-0.9		-1.8	N1 2
2033	7 20 40 54.4	+96	-27	+0.3	+0.8	+0.9	Ca	3343	18 00 56 52.2	-100	-10	-0.9		-1.8	Qc A
2033	7 20 41 14.0	+92	-38	+0.7	+1.0	+1.2	Kb	3349	18 01 15 02.61	+60	+80	+2.5		+3.6	Qd A Rs
2033	7 20 41 23.5	+96	-28	-0.8	-0.3	-0.2	Cg	3349	18 01 18 56.37	+46	+89	+1.2		+2.2	N1 B
2033	7 20 43 26.0	+97	-24	-0.7	-0.2	-0.1	Ch	3349	18 01 28 47.2	+51	+86	+0.7		+1.8	Qc A
2033	7 20 43 50	+97	-25	-0.9	-0.4	-0.3	Cb	3349	18 02 03 39.96	-63	+78	-0.2		-0.1	N1 3
2033	7 20 43 54.4	+97	-25	-0.6	-0.1	0.0	Cd	3349	18 02 12 49.00	-77	+64	+1.6		+1.4	Qd A g
2033	7 20 54 45.3	+66	-75	-0.3	-0.8	-0.3	Qc A	3349	18 02 19 16.2	-71	+71	+2.1		+2.0	Qc A
2033	7 20 55 11.34	+46	-89	+1.6	+0.7	+1.3	N1 2	3374	18 06 32 22.0	-63	-78	-0.3		-1.4	Tp C f
2033	7 21 03 49.03	+47	-88	+1.4	+0.5	+1.1	Qd F g	3374	18 06 40 34.8	-62	-78	-0.6		-1.7	Sz
2033	7 21 30 23.46	+88	-48	+0.1	+0.2	+0.5	Fs A g	3374	18 06 42 18.6	-61	-79	+0.4		-0.7	Tb B k
2033	7 21 39 00.55	-97	-25	+2.2		+1.2	Ns	192	21 02 13 09.24	-97	-24	+2.3		+1.3	Pa B
2097	8 13 08 23.2	+78	-62	+0.3	+0.1	+0.5	Ao A g	322	22 02 39 55.2	+72	+70	+0.6		+1.7	Gt A g
2193	9 07 40 27.6	+9	-100	-0.2	-1.7	-0.9	An B d	322	22 02 39 55.9	+72	+70	+0.2		+1.3	Gt B
2275	10 01 33 27.5	+56	-83	+1.9	+1.2	+1.7	Tp B f	322	22 03 03 52.16	-75	+66	+0.9		+0.8	N1 3
2302	10 07 29 55	+45	+89	-1.3	+0.5	-0.2	Th	322	22 03 36 42.6	-90	+44	+1.0		+0.6	Gt A
2302	10 07 30 02.7	+44	+90	-1.9	-0.1	-0.8	Tf A a	322	22 03 36 43.1	-90	+44	+1.2		+0.8	Gt C v
2302	10 07 30 04.6	+44	+90	-2.2	-0.4	-1.2	Tf E a	327	22 03 25 15.68	+39	+92	+0.8		+1.8	N1 B
2303	10 07 31 26	+41	+91	-1.2	+0.6	-0.2	Tf E a	327	22 03 44 39.7	+66	+75	0.0		+1.1	Gt A g
2303	10 07 31 27.2	+41	+91	-1.4	+0.4	-0.4	Tf B a	327	22 03 44 40.0	+66	+75	-0.1		+1.0	Gt B e
2322	10 09 31 23.8	+68	-73	-0.7	-1.2	-0.7	An B	327	22 04 01 27.41	-66	+75	+1.3		+1.3	N1 3
2376	10 19 36 54.0	+74	+67	-2.0	-0.3	-0.9	Ga A	327	22 04 07 16.59	-82	+58	+1.3		+1.1	Qd A g
2376	10 19 36 54.2	+74	+67	-1.9	-0.2	-0.8	Ga B								
2376	10 19 42 36.76	+88	+48	-1.5	+0.1	-0.4	Fs B g								
2432	11 05 50 30.0	+93	-38	-0.3	0.0	+0.2	Mf A g	Lunation 292 1946 July 28 - Aug. 26							
2510	11 20 50 57.4	+29	-96	-0.2	-1.4	-0.7	Qc A		d h m s						
2510	11 20 53 26.1	+77	-64	-0.8	-1.1	-0.6	Qp C	1739	1 09 23 49.6	+76	+65	-2.5	-1.3	-1.4	Ao A g
2510	11 20 55 02.6	+74	-68	-0.1	-0.4	0.0	Gt B e	1739	1 09 23 51.0	+76	+65	-2.9	-1.7	-1.8	An B
2510	11 20 55 02.9	+74	-68	-0.1	-0.4	0.0	Gt A g	1773	1 18 02 22.25	+74	-67	+0.7	0.0	+0.2	Pc
2510	11 21 01 52.80	+87	-50	+0.9	+1.0	+1.2	Bv d	1773	1 18 02 23.9	+100	-6	-0.3	0.0	+0.1	Pg B
2510	11 21 01 53.61	+87	-50	+1.0	+1.0	+1.3	Bt 2	1773	1 18 02 24.55	+74	-67	+0.5	-0.2	0.0	Pa F
2510	11 21 32 21.37	+72	-70	-1.1	-1.5	-1.0	Fs A g	1773	1 18 02 24.95	+74	-67	+0.4	-0.3	-0.1	Pa 2
2513	11 21 05 33.07	+81	-58	+0.1	0.0	+0.3	N1 2	1773	1 18 04 59.3	+97	-24	+0.5	+0.5	+0.6	Pe
2513	11 21 10 56.91	+81	-59	-0.1	-0.2	+0.1	Qd A g	1921	3 02 51 44.2	+93	-36	-1.1	-1.3	-1.1	Sq
								1921	3 02 51 50.1	+93	-36	-1.1	-1.3	-1.1	Sr

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 292 1946 July 28 - Aug. 26								Lunation 293 1946 Aug. 26 - Sept. 25							
	d h m s			"	"	"			d h m s			"	"	"	
1921	3 02 51 50.8	+93	-36	-1.1	-1.3	-1.1	Sp	1950	30 18 04 14.02	+99	+14	-0.2	+0.5	+0.5	Pa C
1924	3 03 50 02.0	+77	-63	+0.4	-0.2	0.0	Sp	1950	30 18 04 14.12	+99	+14	-0.2	+0.5	+0.5	Pa 3
1924	3 03 50 02.5	+77	-63	+0.5	-0.1	+0.1	Sr	1950	30 18 19 26.0	+74	+67	-1.9	-0.8	-0.9	Pg B
1924	3 03 58 50.7	+71	-70	-0.1	-0.8	-0.6	Sb B	1976	31 00 26 42.7	+91	+42	-1.0	-0.1	-0.1	Ah A e
1950	3 09 24 30.8	+40	-92	+2.7	+1.5	+1.8	Ao A g	1976	31 00 26 42.9	+91	+42	-1.1	-0.2	-0.2	Ah C e
1950	3 09 24 52.0	+40	-92	-3.2	-4.4	-4.1	An A R	1978	31 00 57 08.3	+96	+28	-1.3	-0.5	-0.5	Ah A g
2033	4 04 41 15.1	+92	+39	-1.1	-0.2	-0.2	Sx	2008	31 06 47 26	+82	-57	+1.5	+1.3	+1.5	Mi
2033	4 04 41 46.3	+95	+32	-0.9	-0.1	-0.1	Tf D	2008	31 06 47 26.8	+82	-57	+1.8	+1.6	+1.8	Mh A
2033	4 04 41 47.4	+95	+32	-1.4	-0.6	-0.6	Tf C	2008	31 06 52 51.6	+51	-86	+2.3	+1.6	+1.8	Md
2033	4 04 55 13.33	+99	+13	-0.7	-0.2	-0.1	Td	2020	31 10 24 54.8	+98	-21	-1.7	-1.4	-1.3	An B a
2056	4 09 39 23.4	+48	-88	+2.3	+1.2	+1.4	An A	2020	31 10 24 55.8	+98	-21	-1.4	-1.1	-1.0	Ao A g
2056	4 09 39 32.3	+48	-88	+2.5	+1.4	+1.6	Ao A	2056	31 18 03 21.23	+98	+20	-0.9	-0.2	-0.2	Pa 2
2064	4 11 18 59.0	+76	-65	-3.2	-3.9	-3.6	H1 A R	2056	31 18 25 12.7	+68	+73	-2.3	-1.1	-1.3	Pg B
2097	4 20 46 36.2	+87	+49	-1.0	0.0	0.0	Pg B	2064	31 19 36 12.30	+92	+38	-1.5	-0.6	-0.6	Qd E g
2110	4 22 33 33.7	+85	-53	+1.5	+1.0	+1.2	Ah A g	2064	31 19 39 40.8	+77	+64	-2.7	-1.6	-1.7	Gt A g
2209	5 21 04 46.3	+54	-84	+1.7	+0.7	+0.9	Pg B	2064	31 19 39 40.9	+77	+64	-2.8	-1.7	-1.8	Gt B ev
2211	5 20 20 59.09	+100	-1	-0.4	-0.1	0.0	Qd D g	2232	2 09 58 27.0	+66	-75	+0.4	-0.1	+0.1	An B
2211	5 20 39 25.8	+87	+49	-0.8	+0.2	+0.2	Nc C	2232	2 09 58 36.8	+66	-75	+0.2	-0.3	-0.1	Ao B g
2213	5 22 02 01.0	+100	-9	-0.2	0.0	+0.1	Pe	2652	5 14 18 03.9	+88	-47	+0.4	+0.4	+0.5	Hf D
2322	6 17 00 21.3	+82	+57	-1.7	-0.6	-0.6	Pg B	2703	5 21 59 43.35	+92	+40	-0.4	+0.5	+0.5	N1 3
2338	6 21 04 23.3	+93	-36	-0.2	-0.4	-0.2	Pg B	2703	5 22 05 48.56	+96	+28	-0.4	+0.4	+0.4	Qd F p
2343	6 22 25 21.0	+86	-50	+1.4	+1.0	+1.2	Pg B	2703	5 22 07 57.1	+93	+37	0.0	+0.9	+0.8	Qc A
2343	6 22 34 15.2	+60	-80	+3.2	+2.3	+2.5	Pe	2771	6 08 59 45.4	+85	-52	+0.8	+0.7	+0.8	Me A
2353	6 22 59 52.9	+41	+91	-0.8	+0.6	+0.5	Ah A e	2771	6 09 05 29	+74	-67	-0.9	-1.2	-1.1	Mi
2376	7 04 20 45.0	+24	+97	-0.9	+0.6	+0.4	Sb B	2771	6 09 05 32.1	+74	-67	-0.8	-1.1	-1.0	Mh A
2504	8 04 48 20.6	+100	+10	-0.1	+0.4	+0.5	Ai A dw	2771	6 09 12 04.7	+36	-93	0.0	-0.8	-0.6	Md
2507	8 04 58 59.5	+45	+89	+1.2	+2.6	+2.5	Sb B R	2834	6 18 49 09.42	+99	+13	-0.1	+0.6	+0.6	Pa C
2510	8 04 14 23.7	+93	-37	-0.2	-0.4	-0.2	Td	2834	6 18 49 10.02	+99	+13	-0.3	+0.4	+0.4	Pa E
2510	8 05 36 50.5	+77	-64	+1.2	+0.6	+0.8	Sb B	2834	6 19 24 22.0	+86	+52	-0.7	+0.3	+0.2	Pg B
2513	8 05 02 15.4	+93	+37	-1.4	-0.5	-0.5	Tg 2 a	2835	6 19 00 43.92	+87	+49	-0.9	+0.1	0.0	Pa C
2513	8 05 02 18.2	+93	+37	-0.7	+0.2	+0.2	Tf E	2835	6 19 00 44.22	+87	+49	-1.0	0.0	-0.1	Pa E
2513	8 05 02 18.3	+93	+37	-0.7	+0.2	+0.2	Tf D	2835	6 19 45 00.1	+55	+83	+0.1	+1.3	+1.1	Pg B
2513	8 05 04 43.9	+99	+17	-0.1	+0.5	+0.5	Td	2907	7 07 15 37.1	+87	-50	+0.5	+0.4	+0.6	Me A
2513	8 05 07 48.6	+90	+44	-0.1	+0.8	+0.8	Sx a	2907	7 07 32 02.6	+42	-91	-0.2	-1.0	-0.8	Md
2513	8 05 15 45	+100	+9	+0.8	+1.3	+1.4	Sw	3092	8 16 34 28.8	+84	+54	-1.8	-0.8	-0.9	Pg B
2513	8 06 14 26.1	+95	-31	+1.6	+1.5	+1.6	Sb B	3150	9 03 23 49.8	+99	+13	-0.1	+0.6	+0.6	Ah A e
2593	8 21 29 49.2	+100	-5	+0.1	+0.4	+0.5	Pg B	3150	9 03 33 52.2	+97	-24	-3.0	-2.8	-2.7	Ai A R
2593	8 21 35 35.0	+95	-32	+1.2	+1.1	+1.2	Pe	3158	9 04 31 37.4	+89	-45	-0.6	-0.6	-0.5	Td
2598	8 23 02 20.7	+100	-8	-0.8	-0.6	-0.5	Pg B	3164	9 06 47 44	+39	+92	0.0	+1.2	+1.0	Td
2598	8 23 04 40.9	+93	-36	+1.7	+1.5	+1.7	Pe	249	14 01 18 42.26	-53	-85	+1.0	0.0	0.0	Qd D
2602	8 23 10 37.0	+98	-21	-2.8	-2.8	-2.6	Pg B R	249	14 01 56 04.9	-85	-52	+1.6	0.7	0.7	Dt
2602	8 23 14 08.6	+87	-49	+3.5	+3.1	+3.3	Pe R	362	14 21 33 10.9	-79	-61	+1.5	0.5	0.5	Qc A
2607	8 23 52 59.6	+76	-65	-1.1	-1.8	-1.6	Pg B	362	14 21 59 28.6	-77	-63	-0.5	-1.5	-1.5	Nc B
2610	8 22 01 38.3	+25	-97	-0.9	-2.2	-2.0	Ah A e	404	15 06 22 14.2	-100	+5	-0.6	-1.1	-1.1	Sz
2790	10 04 10 15.0	+73	-68	-1.1	-1.8	-1.6	Ai A g	646	16 22 25 57.1	-34	-94	+1.9	+0.9	+0.9	Pg B
2809	10 07 06 12.8	+25	+97	+2.8	+4.3	+4.1	Tg B R	651	16 23 07 17.7	-50	-87	-0.2	-1.2	-1.2	Pg B
2809	10 07 06 51.4	+25	+97	-0.3	+1.2	+1.0	Tf D	665	17 01 45 31.20	-82	-57	+0.6	-0.4	-0.4	Pa 2
2809	10 07 06 51.4	+25	+97	-0.3	+1.2	+1.0	Tf E	700	17 04 40 44.6	+28	-96	+3.3	+2.6	+2.6	Tp A Rf
2834	10 10 06 41.7	+80	-60	+0.1	-0.5	-0.3	An A	700	17 04 49 37.6	-2	-100	+0.8	-0.1	-0.1	Tp A p
3428	14 22 28 27.3	-84	+55	+1.5	+1.8	+1.8	Pg B	708	17 07 17 18.8	-87	+49	+0.7	+0.6	+0.6	Tp A p
3458	15 04 44 20.13	-94	+35	+1.8	+1.8	+1.8	N1 B c	1015	19 04 16 50.59	-67	-74	+1.3	+0.3	+0.3	Qd D g
3478	15 07 50 40.3	-97	+25	+0.5	+0.4	+0.4	Ai A g	1015	19 04 20 22.15	-81	-58	-2.8	-3.8	-3.8	Nk A Rf
865	22 01 46 07.38	-89	-45	+0.1	-0.8	-0.8	Br A e	1015	19 04 20 28.40	-81	-58	+0.8	-0.2	-0.2	N1 2
865	22 01 46 08.53	-89	-45	+0.7	-0.2	-0.2	Br B f	1023	19 05 18 28.98	-63	-78	+1.1	+0.1	+0.1	N1 2
882	22 03 53 03.2	-17	-99	+1.2	-0.1	-0.1	Pg B	1023	19 05 18 32.16	-63	-78	+0.9	-0.1	-0.1	Nk A

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 293 1946 Aug. 26 - Sept. 25								Lunation 294 1946 Sept. 25 - Oct. 24							
	d h m s			"	"	"			d h m s			"	"	"	
1155	20 03 33 06.88	-65	+76	+0.8		+1.1	N1 E	936	16 00 10 45.1	-94	-33	+1.5		+0.6	Nc B
1155	20 03 33 16.80	-65	+76	+2.8		+3.1	Nk A Rf	936	16 00 10 45.6	-94	-33	+1.8		+0.9	Nc C
1155	20 03 38 25.54	-83	+56	+1.1		+1.1	Qd B g	936	16 00 11 46.5	-100	-9	+1.3		+0.4	Cg
1157	20 04 11 39.61	-99	+16	+0.3		-0.1	N1 2	1140	17 06 38 08.4	-99	-14	+3.7		+2.8	Tp B Rf
1157	20 04 11 42.10	-99	+16	+0.2		-0.2	Nk A	1155	17 09 57 21.6	-83	-56	+0.5		-0.4	Sz
1157	20 04 12 40.82	-100	-2	+1.8		+1.2	Qd B	1484	19 22 41 54.6	+60	-80	-1.5		-1.2	Gj B
1157	20 04 35 49.9	-93	+36	+0.2		0.0	Qp A	1484	19 23 24 41.7	-54	-84	+1.3		+0.6	Gj B
Lunation 294 1946 Sept. 25 - Oct. 24								Lunation 295 1946 Oct. 24 - Nov. 23							
	d h m s			"	"	"			d h m s			"	"	"	
2032	27 22 25 37.3	+58	-81	+0.9	+1.1	+1.2	Ai A pc	2523	29 08 01 33	+96	-28	-1.2	0.0	+0.1	Mi f
2159	29 02 19 17	+30	-95	+2.1	+2.0	+2.1	Sw	2523	29 08 01 33.6	+96	-28	-1.2	0.0	+0.1	Mh A g
2232	29 18 04 56.76	+99	+14	0.0	+0.9	+0.9	Pa 3	2523	29 08 01 33.7	+96	-28	-1.2	0.0	+0.1	Mf B g
2403	1 01 53 28.5	+96	+28	-1.2	-0.3	-0.3	Sb B	2523	29 08 01 34.2	+96	-28	-1.3	-0.2	0.0	Mg g
2490	1 17 38 59.0	+59	+81	-0.9	-0.1	-0.1	Nc C	2703	30 14 47 55.4	+56	+83	-0.4	-0.3	-0.3	Gj B
2490	1 17 38 59.0	+59	+81	-1.0	-0.2	-0.2	Nc B	2719	30 17 52 27.39	+52	+85	+0.1	+0.2	+0.1	Pa F
2562	2 08 44 24.8	+100	+3	-0.1	+0.7	+0.8	Md	2719	30 18 24 58.3	+21	+98	-0.1	-0.4	-0.5	Pg B
2562	2 08 55 39.2	+98	+22	-1.2	-0.3	-0.3	Mh A	2750	30 21 17 05.4	+98	-19	-3.0	-1.9	-1.8	Tp B g
2562	2 08 55 39.5	+98	+22	-1.4	-0.5	-0.5	Mf B	2761	31 00 19 20.6	+52	+85	0.0	+0.1	0.0	Ai A g
2562	2 08 55 40	+98	+22	-1.9	-1.0	-1.0	Mi	2767	31 01 09 50.8	+96	+28	-0.4	+0.4	+0.5	Ai A g
2562	2 08 55 42.4	+98	+22	-2.4	-1.5	-1.5	Mg	2767	31 01 15 07.5	+83	+56	-1.4	-0.9	-0.8	Ah A g
2627	2 17 53 44.3	+94	+33	-1.1	-0.2	-0.2	Qp A	2771	31 02 09 50.6	+96	+29	-0.3	+0.5	+0.6	Ai A g
2627	2 18 05 42.0	+93	+38	-0.3	+0.6	+0.6	Nc B	2771	31 02 17 05.4	+83	+56	-1.0	-0.5	-0.4	Ah A g
2627	2 18 05 42.4	+93	+38	-0.4	+0.5	+0.5	Nc C	2834	31 12 39 38.4	+88	+47	-0.9	-0.3	-0.2	Ao A g
2719	3 09 42 45.8	+97	+25	+0.2	+1.1	+1.1	Ao A g	2834	31 12 39 42.5	+88	+47	-0.8	-0.2	-0.1	An B
2771	3 17 22 04.05	+59	+81	-0.8	0.0	0.0	Pa 2 c	2835	31 12 50 55.0	+62	+79	-0.6	-0.4	-0.4	Ao A g
2780	3 19 20 59.1	+65	-76	-0.4	-0.1	-0.1	Pg B	2861	31 16 47 59.5	+86	+51	-0.1	+0.5	+0.5	Pg B
2781	3 18 42 40.4	+90	-44	-0.8	-0.2	-0.2	Nc B	2864	31 17 09 23.1	+96	-29	-2.9	-1.8	-1.6	Pg B
2781	3 18 53 10.1	+82	-57	+0.3	+0.8	+0.8	Ga A	2864	31 17 09 51.3	+97	-26	-3.4	-2.3	-2.1	Plk
2790	3 21 22 18.3	+66	+75	+0.2	+1.0	+1.0	Pg B	3092	2 12 38 50.6	+99	+11	0.0	+1.0	+1.1	Ao A g
2803	3 23 13 48.90	+90	+43	-1.0	-0.1	-0.1	Pa B	3130	2 17 52 53.96	+73	+68	0.0	+0.4	+0.4	Qd B g
3090	6 04 27 45.7	+16	+99	-0.4	+0.1	+0.1	Ah A e	3130	2 18 31 22.4	+51	+86	0.0	0.0	0.0	Ke c
3092	6 03 55 36.6	+97	-26	-3.3	-2.6	-2.5	Ah A Rg	3130	2 18 31 48.3	+51	+86	-0.1	-0.1	-0.1	Kn
3175	6 17 26 51.5	+68	-73	-1.5	-1.2	-1.1	Pg B	3158	2 23 11 32.0	+59	+81	-0.3	-0.2	-0.2	Tp B f
3202	6 22 49 01.24	+98	+22	-1.0	-0.1	-0.1	Qd E g	3178	3 03 18 09	+99	-17	-0.3	+0.8	+0.9	Sw
3202	6 22 53 16.2	+95	+31	-1.2	-0.3	-0.3	Qc A	3265	3 18 34 13.16	+65	+76	+0.8	+1.0	+1.0	Pa 2
3202	6 22 58 19.5	+80	+60	-1.3	-0.4	-0.4	Dt	3265	3 19 07 03.1	+60	+80	+0.4	+0.6	+0.6	Pg B
3202	6 23 01 12.0	+84	+54	-0.7	+0.2	+0.2	Kn	3276	3 20 51 18.5	+94	-34	-3.3	-2.1	-2.0	Qc A
3227	7 03 18 24.2	+94	+33	-1.4	-0.5	-0.5	Ta A	3276	3 21 01 23.6	+99	-12	-0.9	+0.2	+0.3	Cg
3227	7 03 40 14	+99	-11	-2.6	-1.8	-1.8	Tm	3304	4 02 39 19.6	+81	-59	+0.4	+1.6	+1.7	Ah A e
3227	7 03 40 34.8	+99	-11	-0.6	+0.2	+0.2	Sz	3413	5 00 36 07.33	+70	+71	-0.4	-0.1	-0.1	Qd F g
3227	7 03 41 47.2	+99	-12	-1.7	-0.9	-0.9	Tb A ak	3413	5 00 40 07.36	+49	+87	0.0	0.0	0.0	N1 3
3227	7 03 41 52.3	+100	-9	-1.7	-0.9	-0.9	Tn B	3413	5 00 40 10.70	+49	+87	-0.8	-0.8	-0.8	Nk A
3227	7 03 43 07.2	+99	-11	-1.2	-0.4	-0.4	Tr	3428	5 01 29 35.3	+99	+15	-0.3	+0.6	+0.7	Ah A e
3265	7 08 31 46.5	+100	+1	-0.3	+0.5	+0.6	Mi	3428	5 01 37 21.4	+98	-21	-0.6	+0.5	+0.7	Ai A
3265	7 08 31 47.8	+100	+1	0.0	+0.8	+0.9	Mh A	3478	5 09 48 28.5	+53	+85	+0.1	+0.2	+0.1	Me A g
3265	7 08 31 49.1	+100	0	-0.5	+0.3	+0.4	Mf B	3536	5 21 53 50.74	+97	-26	-2.1	-1.0	-0.8	N1 3
3284	7 13 56 27.2	+94	-34	-3.4	-2.8	-2.7	Ao A Rg	3536	5 21 53 54.25	+97	-26	-1.4	-0.3	-0.1	Nk A
3343	7 23 24 59.8	+100	+2	-0.9	-0.1	0.0	Tb A k	3536	5 22 01 15.44	+89	-46	-3.1	-1.9	-1.8	Qd C s
3349	8 01 07 06.4	+60	+80	+0.1	+0.9	+0.9	Sz	3536	5 22 06 00.0	+93	-37	-3.9	-2.7	-2.6	Qc A R
3349	8 01 11 10.7	+58	+81	0.0	+0.8	+0.8	Tn B	3536	5 22 16 30.00	+100	-8	-0.3	+0.8	+0.9	Ke
614	14 01 38 18.3	-100	+4	0.0		-0.9	Nc B	3536	5 22 16 56.8	+100	-8	-0.5	+0.6	+0.7	Kn
614	14 01 38 19.7	-100	+4	+0.6		-0.3	Nc C	3536	5 22 17 09.4	+99	-11	+0.5	+1.6	+1.7	Kt
628	14 05 40 15.25	-90	+43	+0.6		0.0	Qd C g	3536	5 22 18 14.7	+99	-13	-0.9	+0.2	+0.3	Kp n

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 295 1946 Oct. 24 - Nov. 23								Lunation 296 1946 Nov. 23 - Dec. 23							
	d h m s			"	"	"			d h m s			"	"	"	
3536	5 22 18 31.0	+100	-9	-0.4	+0.7	+0.8	Ki	3227	30 21 06 04.4	+95	+30	-1.5	-0.7	-0.6	Gt B e
3536	5 22 18 43.5	+99	-17	-0.9	+0.2	+0.3	K1	3243	30 23 41 11.0	+100	+7	+0.2	+1.2	+1.2	Ah A e
3536	5 22 23 30.7	+92	-39	-4.1	-2.9	-2.8	Qp A R	3243	30 23 47 51.0	+96	-29	-3.0	-1.8	-1.9	Ai A
3536	5 22 25 55.6	+87	-50	-0.7	+0.5	+0.6	Gt A g	3265	1 03 31 22.5	+91	-42	+0.9	+2.1	+2.0	Ah A g
5	5 22 21 12.5	+91	+42	-0.4	+0.3	+0.4	Tq A	3336	1 16 17 04.1	+99	-16	-2.2	-1.0	-1.1	Cg
5	5 22 21 12.7	+91	+42	-0.5	+0.2	+0.3	Tp A p	3336	1 16 20 58.8	+98	-20	-2.3	-1.1	-1.2	Cd a
5	5 22 28 00.0	+90	+43	0.0	+0.7	+0.7	Sz	3343	1 18 11 14.17	+93	+36	-0.6	+0.2	+0.2	N1 2
5	5 22 31 40.3	+89	+45	-0.4	+0.3	+0.3	Tn B	3343	1 18 11 27.41	+93	+36	-3.7	-2.9	-2.9	Nk A Rf
5	6 00 26 01.0	+52	-85	-1.4	-0.4	-0.2	Kn	3343	1 18 13 43.17	+98	+22	-0.6	+0.3	+0.3	Qd D g
5	6 00 26 02.73	+51	-86	-1.3	-0.3	-0.2	Ke	3343	1 18 22 12.4	+96	+28	-1.1	-0.2	-0.2	Qc A
18	6 01 09 53.0	+97	-23	-0.2	+0.9	+1.1	Ta A	3343	1 18 42 29.1	+99	+13	+0.6	+1.6	+1.6	Gt A g
18	6 01 31 24.3	+75	-66	+0.7	+1.8	+2.0	Tq B	3343	1 18 42 29.4	+99	+13	+0.4	+1.4	+1.4	Gt B g
18	6 01 31 24.5	+75	-66	+0.6	+1.7	+1.9	Tp B f	3343	1 18 43 15.4	+91	+41	-1.3	-0.6	-0.5	Ki g
18	6 01 40 44.8	+72	-70	-0.8	+0.3	+0.5	Sz	3343	1 18 46 35.5	+91	+41	-1.1	-0.4	-0.3	Cg
20	6 03 23 13.3	+59	+81	-0.4	-0.2	-0.3	Ah A e	3343	1 18 48 51.5	+93	+36	-1.0	-0.2	-0.2	Cd
150	7 03 03 58.1	+98	-20	-1.4	-0.3	-0.2	Tq C	3349	1 20 04 10.78	+75	+66	+0.3	+0.7	+0.8	Qd D g
150	7 03 11 27.6	+98	-21	-1.4	-0.3	-0.1	Sz	3349	1 20 06 03.71	+59	+81	-0.2	-0.1	0.0	N1 2
150	7 03 14 05.4	+98	-19	-1.8	-0.7	-0.6	Tn A	3349	1 20 06 12.86	+59	+81	-2.1	-2.0	-1.9	Nk A
170	7 06 47 30.7	+58	+82	-1.3	-1.2	-1.2	Th a	3349	1 20 11 17.6	+68	+74	+0.5	+0.8	+0.9	Qc A
170	7 07 29 09.0	+93	-37	-2.8	-1.6	-1.5	Tp A p	3349	1 20 21 22.2	+76	+65	+0.1	+0.5	+0.6	Gt A g
249	7 19 04 21.36	+99	-13	0.0	+1.1	+1.2	N1 2 c	3349	1 20 21 22.3	+76	+65	+0.1	+0.5	+0.6	Gt B ev
249	7 19 11 21.7	+98	-18	-1.1	0.0	+0.1	Qc A	3374	2 00 10 02.0	+92	-39	-3.0	-1.8	-1.9	Ta A
249	7 19 41 44.0	+97	-24	-1.1	0.0	+0.2	Fk A g	3478	2 19 59 09.0	+10	+100	+0.5	0.0	+0.1	Pg B
709	10 23 19 20.17	-99	-13	+1.3		+0.3	Pa E	3480	2 18 36 26.78	+35	+94	-0.9	-1.1	-1.0	Qd B g
709	10 23 19 20.17	-99	-13	+1.2		+0.2	Pa B	3480	2 18 58 15.1	+75	+66	-0.9	-0.5	-0.4	Gs s
882	11 23 19 35.72	-71	+71	+2.9		+1.6	Qd B g	3480	2 19 01 16.2	+51	+86	-0.1	-0.1	0.0	Gt A g
1061	13 01 41 14.05	-42	-91	+0.5		+0.6	Pa B	3484	2 19 38 18.31	+92	+40	-0.8	-0.1	0.0	N1 3
1099	13 07 29 33.6	-69	-72	+1.1		+0.8	Tp B f	3484	2 19 40 17.12	+97	+23	-1.1	-0.2	-0.2	Qd B g
1099	13 07 40 07.4	-78	-62	+0.8		+0.3	Sz	3484	2 19 47 56.9	+95	+30	-1.4	-0.6	-0.6	Qc A
1117	13 11 14 23.4	+82	+58	-2.0		-1.4	Tp B p	3484	2 20 01 25.8	+81	+59	0.0	+0.5	+0.6	Dk g
1117	13 12 06 27.8	-62	+78	+2.4		+1.2	Tp B p	3484	2 20 04 59.8	+62	+79	-0.5	-0.3	-0.2	Nr d
1170	13 17 24 52.7	-23	-97	-2.4		-2.0	Gj B	3484	2 20 10 17.8	+84	+54	-0.2	+0.4	+0.4	Cg
1484	16 05 51 54.76	-99	+13	+4.2		+3.0	N1 D Rf	3484	2 20 11 49.3	+100	-9	-1.3	-0.2	-0.2	Gs g
1499	16 08 33 59.5	-100	-9	+2.1		+1.0	Tp B g	3490	2 22 14 08.06	+50	+87	+0.1	+0.1	+0.2	Qd B g
Lunation 296 1946 Nov. 23 - Dec. 23								3490	2 22 24 17.14	+12	+99	+0.8	+0.3	+0.5	N1 2
	d h m s			"	"	"		3490	2 22 25 39.1	+22	+98	+0.3	-0.1	+0.1	Qc A
2719	27 00 48 47.7	+95	+30	-0.7	+0.1	+0.2	Ah A e	3506	3 01 36 05.1	+73	-68	-0.3	+0.9	+0.8	Ai A f
2834	27 19 33 14.73	+51	+86	0.0	0.0	+0.1	Pa B	49	3 18 23 27.92	+100	-7	+0.5	+1.6	+1.6	Pc
2834	27 19 33 18.40	+51	+86	-0.2	-0.2	-0.1	Pc	49	3 18 23 38.32	+100	-7	+0.2	+1.3	+1.3	Pa 2
2861	28 00 12 55.8	+92	-39	-0.6	+0.6	+0.5	Ah A c	60	3 21 16 47.02	+72	-69	-0.2	+1.0	+0.9	N1 D
2861	28 00 18 49.0	+68	-74	-1.0	+0.2	0.0	Ai A g	60	3 21 23 20.4	+95	-32	-3.2	-2.0	-2.1	Dk q
2984	29 00 09 54.0	+62	-78	-1.3	-0.2	-0.3	Tp B p	60	3 21 29 09.5	+93	-37	-2.8	-1.6	-1.7	Kn
2985	29 00 09 30.4	+99	-11	-1.2	-0.1	-0.1	Tp B p	60	3 21 29 42.2	+92	-39	-3.0	-1.8	-1.9	Kf
3092	29 19 56 41.35	+92	+40	+0.9	+1.6	+1.7	Pc	60	3 21 29 43	+92	-40	-0.7	+0.5	+0.4	Ku g
3092	29 19 56 46.25	+92	+40	-0.9	-0.2	-0.1	Pa E	62	3 22 30 01.41	+96	+28	-1.0	-0.2	-0.1	Pa B
3116	29 23 40 27.5	+99	-17	-1.2	0.0	-0.1	Ah A g	62	3 22 30 01.81	+96	+28	-1.2	-0.4	-0.3	Pa A
3116	29 23 48 47.1	+84	-54	+1.3	+2.5	+2.4	Ai A Rg	354	6 01 59 44.2	+83	+55	-0.8	-0.3	-0.2	So A
3130	30 02 19 55.1	+97	+24	-0.7	+0.2	+0.2	So A a	354	6 02 01 20.0	+98	-18	-0.3	+0.9	+0.8	Sb A
3227	30 20 58 18.65	+92	+39	-1.1	-0.4	-0.3	N1 2	354	6 02 44 40.0	+97	-25	-1.1	+0.1	0.0	Sz
3227	30 20 58 20.54	+92	+39	-1.0	-0.3	-0.2	Nk A	354	6 02 47 07.8	+98	-22	-1.3	-0.1	-0.2	Tn B
3227	30 21 00 37.64	+98	+21	-1.4	-0.5	-0.5	Qd C g	404	6 10 33 06.7	+82	-57	-2.3	-1.1	-1.2	H1 B
3227	30 21 02 01.9	+94	+33	-0.3	+0.5	+0.5	Qc A	614	7 21 05 56.2	+100	-7	-0.6	+0.5	+0.5	Fk A gh
3227	30 21 06 04.0	+95	+30	-1.2	-0.4	-0.4	Gt A g	1030	10 05 37 17.2	+88	-47	-0.2		+0.9	Tq D
								1169	11 03 34 56.6	-92	+38	+0.7		-0.4	Ai A
								1170	11 02 34 00.0	+93	+38	-0.4		+0.4	Ta A

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 296 1946 Nov.23 - Dec.23								Lunation 298 1947 Jan.22 - Feb.21							
	d h m s			"	"	"			d h m s			"	"	"	
1170	11 03 29 09.5	-99	+13	+0.7	-0.4		Ta A	219	28 18 33 08.4	+100	-2	+0.7	+1.2	+1.2	Ph
1279	11 21 21 36.4	-66	+75	+1.2	+0.2		Pg B	384	30 02 01 24.6	+98	+21	-0.7	-0.1	-0.1	Tp B g c
1544	13 23 33 54.9	-56	-83	+1.8	+1.6		Nc B	422	30 08 30 13.9	+97	+23	-0.1	+0.5	+0.5	Me A g
1544	13 23 33 55.7	-56	-83	+2.1	+1.9		Nc C	445	30 13 37 51.1	+69	+72	-0.1	+0.6	+0.6	Hf D
1544	13 23 39 16.6	-85	-52	+0.6	0.0		Nr f	469	30 17 45 09.6	+100	+7	0.0	+0.6	+0.6	Ke
Lunation 297 1946 Dec.23 - 1947 Jan.22								469	30 17 45 39.10	+100	+5	-0.5	0.0	+0.1	Kf
	d h m s			"	"	"		469	30 17 48 15.5	+100	+6	0.0	+0.6	+0.6	Ki
3387	29 10 17 39.6	+87	-50	+0.1	+0.6	+0.5	Hf D	469	30 17 52 58.9	+99	-16	-0.8	-0.3	-0.3	Fk A s
3387	29 10 18 04.3	+86	-51	+0.4	+0.8	+0.8	Hl B	469	30 17 54 08.5	+99	+11	-0.5	+0.1	+0.1	Cg
3392	29 11 56 19.4	+58	+81	-0.5	+0.1	+0.2	Ao A ph	469	30 17 58 01.8	+97	-23	-0.8	-0.4	-0.4	Bs C p
3480	30 02 05 57.4	+100	-7	-0.1	+0.5	+0.6	So B	469	30 17 58 37.10	+97	-25	+0.1	+0.5	+0.5	Br A e
3490	30 05 19 33.3	+97	+24	-0.4	+0.3	+0.4	So B	517	31 03 29 10.7	+48	+88	-0.7	-0.1	0.0	So A
20	30 20 48 12.84	+99	+11	-0.1	+0.6	+0.7	Pc	614	31 16 41 37.8	+72	-70	+1.6	+1.7	+1.7	Fk 3 g
20	30 20 48 15.04	+99	+11	0.0	+0.7	+0.8	Pa A	614	31 16 48 51.39	+61	-79	-0.2	-0.2	-0.2	Bs A g
20	30 20 48 15.24	+99	+11	0.0	+0.7	+0.8	Pa B	614	31 16 48 55.04	+61	-79	-0.1	-0.1	-0.1	Bt A g
25	30 22 33 28.42	+50	+87	+0.2	+0.7	+0.9	Nl 3	614	31 16 50 05.31	+58	-81	-1.3	-1.3	-1.4	Br A ae
25	30 22 37 17.3	+44	+90	+0.1	+0.6	+0.8	Qc A	614	31 16 52 15.2	+67	-74	+0.3	+0.4	+0.3	Nc F g
44	31 01 29 16.7	+93	+37	-1.3	-0.6	-0.5	Tp A f	628	31 20 39 30.93	+95	-31	+0.8	+1.2	+1.2	Nl 3
150	31 22 41 41.7	+92	-39	-2.4	-1.9	-1.9	Nr e	628	31 20 39 40.3	+95	-31	-0.9	-0.5	-0.5	Nk A
150	31 22 42 45.0	+86	-51	-1.5	-1.0	-1.1	Mn A	628	31 20 48 16.98	+86	-50	-2.9	-2.6	-2.7	Qd F R
150	31 22 49 26.8	+77	-63	0.0	+0.4	+0.3	Dc	628	31 21 03 24.7	+93	+36	-0.8	-0.2	-0.1	Ke
150	31 22 54 04.8	+68	-73	-0.3	0.0	-0.1	Dk g	628	31 21 03 49.0	+94	+34	-0.9	-0.3	-0.2	Kw
150	31 22 54 21.6	+68	-74	-3.7	-3.4	-3.5	Dt R	628	31 21 03 50.0	+94	+33	-1.5	-0.9	-0.8	Kt
170	1 01 20 18.2	+78	+63	-0.1	+0.6	+0.7	So B	628	31 21 03 57.3	+94	+34	-0.7	-0.1	0.0	Kf
192	1 06 17 28.4	+82	+57	+0.2	+0.9	+1.0	So C	628	31 21 04 32.2	+97	+26	-1.4	-0.8	-0.8	Kl
219	1 12 01 57.2	+93	+36	-0.9	-0.2	-0.1	Ao A c	628	31 21 04 41.2	+95	+32	-1.4	-0.8	-0.7	Kp
631	4 12 35 57.7	+83	-56	-0.9	-0.5	-0.5	Ao A f c	628	31 21 06 29.0	+100	+3	+0.3	+0.8	+0.9	Qp A
709	4 21 45 51.68	+82	-58	-0.6	-0.2	-0.2	Pa 2	628	31 21 10 43.8	+86	+51	-1.0	-0.3	-0.3	Cg
882	5 21 58 07.2	+49	+87	-1.4	-0.9	-0.7	Dk d	628	31 21 10 55.8	+98	+22	-0.6	0.0	0.0	Fk 3 g
882	5 22 05 46.0	+46	+89	-1.2	-0.7	-0.5	Ke	628	31 21 14 44.67	+98	+20	-0.3	+0.3	+0.3	Bs A g
882	5 22 06 37.2	+68	+73	-1.2	-0.6	-0.4	Fk A g	628	31 21 15 13.47	+98	+19	-0.1	+0.5	+0.5	Br A e
882	5 22 18 48.6	+57	+82	-1.2	-0.6	-0.4	Nc C g	628	31 21 17 04.7	+96	-29	-0.4	0.0	0.0	Cs f
900	6 00 28 39.0	+51	+86	-2.4	-1.9	-1.7	Ah A d	628	31 21 17 17.8	+94	+34	-0.4	+0.2	+0.3	Nc B g
1484	9 21 53 16.23	-91	+41	+0.4	-0.1		Nl 3	628	31 21 17 18.5	+94	+34	-0.6	0.0	+0.1	Nc C g
1484	9 21 53 17.3	-91	+41	+0.3	-0.2		Nk A	633	31 22 35 39.12	+47	+88	-0.7	-0.1	0.0	Qd F g
1484	10 00 21 55.2	-92	+40	-2.9	-3.4		Gj B R	642	31 23 12 02.62	+98	+22	-0.3	+0.3	+0.3	Nl 2
1514	10 06 32 43.28	-97	-23	+3.0	+2.2		Nl D Rf	642	31 23 12 08.8	+98	+22	-1.7	-1.1	-1.1	Nk A
2060	15 04 24 03.72	-90	-44	+1.5	+0.7		Nl 3	642	31 23 16 22.71	+100	+10	-0.4	+0.2	+0.2	Qd F g
2060	15 04 24 11.4	-90	-44	+2.4	+1.6		Nk A	646	31 23 31 57.6	+98	+18	-0.8	-0.2	-0.2	Ke
2060	15 04 38 09.1	-85	+52	+2.0	+1.6		Nr h	646	31 23 32 07.3	+98	+19	-0.6	0.0	0.0	Kn
2064	15 05 05 30.55	-91	+42	-0.5	-1.0		Nl 2 n	646	31 23 33 24.9	+92	+38	-1.5	-0.9	-0.8	Cg
2064	15 05 05 32.1	-91	+42	-0.5	-1.0		Nk A	646	31 23 37 39.2	+99	+13	-1.1	-0.5	-0.5	Fk 2 g
Lunation 298 1947 Jan.22 - Feb.21								646	31 23 39 02.4	+95	+30	-1.5	-0.9	-0.8	Nc B g
	d h m s			"	"	"		646	31 23 39 02.6	+95	+30	-1.6	-1.0	-0.9	Nc C g
3349	25 08 41 30.9	+53	-85	-0.5	-0.6	-0.6	Hp A	646	31 23 39 30.75	+99	+15	-0.5	+0.1	+0.1	Bs A f
3349	25 08 41 31.6	+53	-85	-0.5	-0.6	-0.6	Hp B	646	31 23 39 44.39	+71	-71	+1.5	+1.6	+1.6	Nl 2
3438	26 01 19 57.0	+98	+20	-0.9	-0.3	-0.3	Sb B	646	31 23 39 47.6	+71	-71	+0.6	+0.7	+0.7	Nk A
3529	26 20 39 20.88	+44	-90	+0.7	+0.6	+0.5	Nl 2	646	31 23 39 50.20	+99	+15	-0.6	0.0	0.0	Br A g
3529	26 20 39 26.6	+44	-90	0.0	-0.1	-0.2	Nk A	646	31 23 48 49.82	+58	-81	-0.6	-0.6	-0.6	Qd F g
192	28 12 26 04.6	+87	-49	-2.3	-2.0	-2.0	Hf D	651	31 22 20 12.5	+89	+46	-1.1	-0.4	-0.4	Tp B d
219	28 18 27 00.0	+100	-7	+1.2	+1.7	+1.7	Pg C	651	31 22 31 11.7	+87	+49	-1.7	-1.0	-1.0	Tn A
								651	1 00 09 54.43	+94	-33	-0.7	-0.3	-0.3	Nl 3
								651	1 00 09 57.8	+94	-33	-1.8	-1.4	-1.4	Nk A
								651	1 00 11 28.2	+81	+59	-0.1	+0.6	+0.6	Ke
								651	1 00 15 34.58	+90	-43	-2.5	-2.2	-2.2	Qd F g

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 298 1947 Jan.22 - Feb.21								Lunation 299 1947 Feb.21 - Mar.22							
	d h m s								d h m s						
651	1 00 15 37.6	+83	+56	0.0	+0.7	+0.7	Fk C q	445	26 18 46 29.86	+76	+65	-0.2	+0.6	+0.6	Bs 2 g
651	1 00' 16 23.4	+59	+81	0.0	+0.6	+0.7	Cg	445	26 18 46 30.66	+76	+65	-0.4	+0.4	+0.4	Bt A g
651	1 00 17 25.36	+81	+59	-0.3	+0.4	+0.4	Bs A f	445	26 18 46 31.52	+76	+65	-1.0	-0.2	-0.2	Bv p
651	1 00 17 37.20	+81	+59	-0.1	+0.6	+0.6	Br A f	445	26 18 46 40.08	+77	+64	-0.6	+0.2	+0.2	Br A g
651	1 00 19 22.1	+67	+74	-0.1	+0.6	+0.6	Nc B f	445	26 18 51 46.70	+63	+78	+0.3	+1.0	+1.0	Nc C g
651	1 00 19 22.2	+67	+74	-0.1	+0.6	+0.6	Nc C g	445	26 18 51 51.1	+63	+78	-0.9	-0.2	-0.2	Nc A g
656	31 23 41 51.3	+97	+25	-0.5	+0.1	+0.2	Ah A g	445	26 18 53 35.87	+100	-9	+0.2	+0.9	+0.9	Fs C g
656	31 23 52 47.5	+100	+1	-0.1	+0.4	+0.4	Ai A g	628	28 04 08 08.2	+41	-91	+0.3	+0.3	+0.3	Tn B
657	31 23 38 42.1	+100	-8	0.0	+0.5	+0.5	Ah A g	628	28 04 17 21	+13	-99	+0.1	-0.1	-0.1	Tm
657	31 23 53 23.0	+94	-34	-1.5	-1.1	-1.1	Ai A g	633	28 04 25 05.71	+100	0	+0.1	+0.8	+0.8	Sc
742	1 13 38 49.3	+99	-13	+0.2	+0.7	+0.7	Ao A g	633	28 04 26 03.3	+88	+47	-0.9	-0.1	-0.1	Th
822	2 00 17 15.2	+100	-7	-0.5	0.0	0.0	Ah A g	633	28 05 02 02.0	+77	+64	-0.6	+0.2	+0.2	Ta B
822	2 00 32 18.1	+96	-28	-1.3	-0.9	-0.9	Ai A g	633	28 05 06 53.3	+79	+61	+0.3	+1.1	+1.1	Tq C
839	2 02 33 45.3	+70	-71	+1.3	+1.4	+1.4	So A	633	28 05 06 55.8	+79	+61	-0.7	+0.1	+0.1	Tq A
839	2 03 35 36.7	+64	-77	+0.1	+0.1	+0.1	Tn B	633	28 05 14 07.6	+43	+90	-0.2	+0.4	+0.4	Tn B
839	2 03 38 48.2	+53	-85	-2.3	-2.4	-2.4	Sz	642	28 05 39 57.7	+63	-78	-0.3	-0.1	-0.1	Td a
853	2 05 00 17.8	+68	-74	+0.2	+0.3	+0.2	So A	642	28 05 38 35.61	+66	-75	-0.4	-0.1	-0.2	Sc
1030	3 03 19 19.2	+100	-5	-0.5	0.0	0.0	Th	642	28 05 43 22.8	+100	-3	-0.3	+0.4	+0.4	Ta B
1030	3 03 50 19.1	+77	-64	0.0	+0.2	+0.1	So A	664	28 07 36 13	+46	+89	-0.4	+0.2	+0.2	Mi g
1030	3 04 42 34.9	+93	-37	-2.9	-2.6	-2.6	Tn B R	664	28 07 36 14.5	+46	+89	-0.4	+0.2	+0.2	Mf A g
1030	3 04 42 48.9	+79	-61	+0.2	+0.4	+0.4	Tq D	664	28 07 36 14.9	+46	+89	-0.4	+0.2	+0.2	Mf B g
1030	3 04 42 49.5	+79	-61	0.0	+0.2	+0.2	Tp B f	664	28 07 36 15.0	+46	+89	-0.5	+0.1	+0.1	Mg f
1030	3 04 43 18.5	+89	-46	-3.3	-3.0	-3.0	Sz R	664	28 07 41 41.7	+34	+94	0.0	+0.5	+0.5	Me A
1030	3 05 45 11.2	-90	-43	+1.8		+1.1	Tp B f	709	28 13 15 25.2	+68	+73	-0.5	+0.2	+0.2	Gj B
1099	3 16 19 41.5	+77	-64	+1.2	+1.4	+1.3	HI B	739	28 18 27 56.5	+62	-78	-0.7	-0.5	-0.5	Mn A
1117	3 19 31 46.9	+59	-81	-1.8	-1.8	-1.8	Gj B	739	28 18 44 14.0	+36	-93	+1.3	+1.3	+1.3	Dc g
1169	4 01 37 26.7	+96	+29	-1.1	-0.5	-0.4	Ai A gc	761	28 23 08 11.0	+86	-51	-1.3	-0.8	-0.8	Mn A
1170	4 01 24 43.0	+86	-50	0.0	+0.3	+0.2	Tp B fh	761	28 23 16 26.5	+82	-57	-0.7	-0.3	-0.3	Dt
1170	4 01 24 50	+86	-50	-2.6	-2.3	-2.4	Tz E Rf	789	1 04 15 44.6	+77	+64	-0.7	+0.1	+0.1	Sz
1170	4 01 29 23.4	+91	-42	-1.5	-1.2	-1.2	Sz	789	1 04 18 10.0	+67	+74	-0.9	-0.2	-0.2	Tn A
1170	4 01 30 54.0	+94	-35	-2.1	-1.7	-1.7	Tn B	900	1 19 03 34.45	+46	-89	-0.2	-0.1	-0.1	Pa 4
2028	11 05 42 45.39	-29	+96	-1.1		-0.8	NI B c	966	2 03 34 30.3	+56	-83	-1.4	-1.2	-1.2	So A p
2159	12 11 37 02.6	-60	+80	-0.6		-0.6	Sz	1068	2 18 22 01	+64	+77	-2.3	-1.6	-1.6	Df A q
2267	13 09 11 26.3	+91	-42	-1.1		-0.8	Tp B f	1068	2 18 25 28.9	+38	+93	-0.1	+0.5	+0.5	Mn A f
2267	13 10 33 31.8	-100	-1	+0.7		+0.2	Tp B fv	1068	2 18 33 36.4	+83	+56	-1.6	-0.8	-0.8	Bu 2 e
2267	13 10 39 35.4	-99	+14	0.0		-0.5	Sz	1068	2 18 33 38.03	+83	+56	-1.9	-1.1	-1.1	Bv f
Lunation 299 1947 Feb.21 - Mar.22								1068	2 18 33 52.92	+84	+55	-1.9	-1.1	-1.1	Br A g
	d h m s							1068	2 18 38 40.9	+16	+99	+2.0	+2.4	+2.4	Nr Rd
66	23 18 30 12.2	+91	+41	0.0	+0.8	+0.8	Mn A	1068	2 18 41 51.9	+48	+88	-0.5	+0.1	+0.1	Cg
66	23 18 35 00.2	+98	+20	-0.9	-0.1	-0.1	Ke	1097	3 00 15 37.0	+66	-75	+0.7	+1.0	+1.0	Nr e
95	24 01 57 33.4	+97	+25	-0.5	+0.3	+0.3	Sb B	1097	3 00 19 23.7	+80	-60	-2.2	-1.8	-1.8	Cg
192	24 17 23 07.3	+100	+5	+0.3	+1.1	+1.0	Cg	1097	3 00 21 47.7	+47	-88	-0.3	-0.2	-0.2	Mn A g
192	24 17 24 59.6	+100	+4	+0.3	+1.0	+1.0	Ch	1097	3 00 26 04.7	+81	-59	+0.3	+0.7	+0.7	Nc B
192	24 17 25 05	+100	+3	+0.1	+0.8	+0.8	Cb	1097	3 00 26 04.9	+81	-59	+0.1	+0.5	+0.5	Nc C g
192	24 17 25 07.3	+100	+3	+0.7	+1.4	+1.4	Cd	1097	3 00 28 00.7	+51	-86	-0.3	-0.2	-0.2	Df A
192	24 17 28 16.6	+97	-25	-1.0	-0.4	-0.4	Fk 2	1097	3 00 31 18.4	+67	-74	+0.1	+0.4	+0.4	Fk 2'
192	24 17 31 08.6	+98	-20	-0.8	-0.1	-0.2	Nc A g	1097	3 00 31 26.49	+72	-70	+1.0	+1.3	+1.3	Bv e
192	24 17 31 39.90	+95	-31	-1.6	-1.0	-1.0	Bs 2 g	1097	3 00 31 26.6	+72	-70	+1.2	+1.5	+1.5	Bu D g
192	24 17 31 40.05	+95	-31	-1.5	-0.9	-0.9	Bu 2 g	1097	3 00 31 26.75	+72	-70	+0.6	+0.9	+0.9	Bs A f
192	24 17 32 14.84	+95	-32	-2.0	-1.4	-1.4	Br A ag	1097	3 00 31 27.2	+72	-70	+0.8	+1.1	+1.1	Bu C p
258	25 07 50 47.7	+78	+62	-0.3	+0.5	+0.5	Me A g	1097	3 00 31 45.41	+72	-70	+1.2	+1.5	+1.5	Br A e
445	26 18 44 00.0	+73	+68	-0.6	+0.1	+0.1	Fk 2	1099	3 00 10 26.25	+99	-12	+1.1	+1.8	+1.8	Nr e
445	26 18 46 29.25	+76	+65	-0.3	+0.5	+0.5	Bu 2 g	1099	3 00 11 29.8	+96	-27	-0.3	+0.3	+0.3	Mn A e
								1099	3 00 18 22.3	+100	+4	+0.2	+1.0	+0.9	Cg
								1099	3 00 19 07.1	+97	-24	-0.8	-0.2	-0.2	Df A

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 299 1947 Feb.21 - Mar.22								Lunation 300 1947 Mar.22 - Apr.21							
	d h m s								d h m s						
1099	3 00 20 51.1	+99	-15	+0.1	+0.8	+0.8	Ke h	1055	29 23 12 25.46	+68	-73	+1.2	+1.0	+1.1	Qd F g
1099	3 00 25 34.5	+100	+6	-0.7	+0.1	0.0	Nc B	1062	29 23 41 42.6	+55	+83	-1.5	-0.3	-0.4	Sz
1099	3 00 25 35.1	+100	+6	-1.1	-0.3	-0.4	Nc C g	1062	29 23 50 38.4	+38	+93	-0.7	+0.5	+0.3	Tn A p
1099	3 00 26 48.6	+99	-11	-0.1	+0.6	+0.6	Fk 2	1068	30 01 04 46.0	+76	-65	+1.7	+1.6	+1.8	Tn A
1099	3 00 28 15.77	+100	-6	-1.0	-0.3	-0.3	Bs A f	1068	30 01 07 02.2	+68	-74	+0.7	+0.4	+0.6	Sz
1099	3 00 28 16.2	+100	-6	-1.0	-0.3	-0.3	Bu 3 g	1206	30 22 48 02.2	+88	-48	-1.0	-0.8	-0.7	Ah A g
1099	3 00 28 16.21	+100	-6	-1.0	-0.3	-0.3	Bv e	1263	31 08 50 53.7	+100	+1	-1.1	-0.4	-0.4	Ao B g
1099	3 00 28 37.83	+100	-6	-1.1	-0.4	-0.4	Br A e	1263	31 08 50 54.5	+100	+1	-4.1	-3.4	-3.4	An A R
1117	3 02 23 02.0	+90	-43	-2.9	-2.4	-2.4	So A	1263	31 09 39 39	+99	+17	-0.8	+0.1	+0.1	Mi e
1117	3 03 15 42.2	+95	-31	-1.4	-0.8	-0.8	Tq D	1263	31 09 39 41.9	+99	+17	-1.0	-0.1	-0.1	Mf A p
1155	3 09 39 44.6	+90	-43	-3.1	-2.6	-2.6	So A	1263	31 09 39 47.2	+97	+23	-0.8	+0.1	+0.1	Me A g
1169	3 10 20 08.7	+98	-18	-0.9	-0.2	-0.2	An A	1270	31 10 31 04.1	+54	-84	-0.3	-0.8	-0.6	Ao B g
1169	3 10 20 16.6	+98	-18	-1.2	-0.5	-0.5	Ao B g	1274	31 11 52 28.0	+97	-24	+0.5	+1.0	+1.0	An B
1239	3 22 52 41.9	+21	-98	+0.5	+0.4	+0.4	Nc B	1274	31 11 52 31.9	+97	-24	+0.5	+1.0	+1.0	Ao B g
1239	3 22 52 44.1	+21	-98	0.0	-0.1	-0.2	Nc A d	1279	31 12 39 18.2	+96	+28	-1.2	-0.2	-0.3	An B
1363	4 18 49 58.52	+100	-8	-0.4	+0.3	+0.3	Pa 3	1279	31 12 39 20.6	+96	+28	-1.1	-0.1	-0.2	Ao B g
1363	4 19 02 43.2	+97	+23	-1.2	-0.4	-0.4	Pg B	1342	31 23 17 21.5	+77	-64	+1.4	+1.3	+1.5	Qp D
1363	4 19 02 50.5	+97	+25	-1.1	-0.3	-0.3	Pk	1363	1 03 28 27.4	+90	+43	-1.1	0.0	-0.1	Ai A cw
1365	4 19 23 49.07	+100	-2	-0.9	-0.2	-0.2	Pa 3	1435	1 18 11 31.0	+71	+71	-3.0	-1.8	-1.9	Gj D
1365	4 19 41 01.3	+94	+35	-1.2	-0.4	-0.4	Pg B	1514	2 10 50 59.3	+73	+68	-2.4	-1.2	-1.3	So A
1365	4 19 41 08.6	+93	+38	+4.0	+4.8	+4.8	Pk R	1544	2 14 57 23.9	+100	+5	0.0	+0.8	+0.8	Hp C
1373	4 22 14 43.6	+67	-74	-0.2	+0.1	+0.1	Pk	1544	2 14 57 24.2	+100	+5	-0.2	+0.6	+0.6	Hp D
1484	5 18 30 02.09	+89	+46	-2.1	-1.3	-1.3	Fs C g	1689	3 20 54 53.01	+67	-74	-1.3	-1.6	-1.4	Pa 3
1484	5 20 37 31.8	+73	+69	-2.2	-1.4	-1.4	Gj B	1702	3 23 04 28.2	+100	+10	-1.3	-0.5	-0.5	Sz
1484	5 21 15 49.5	-34	+94	-0.3		-0.3	Gj B	1702	3 23 06 05.7	+98	+18	-2.1	-1.2	-1.2	Tn B d
1941	9 20 40 49.8	-100	-2	+1.0		+0.3	Gj D	2033	7 02 51 07.43	+54	+84	+2.3		+3.4	Pa E R
1950	9 20 49 28.5	-50	+87	+0.1		0.0	Pk	2033	7 03 27 27.36	-40	+92	+0.3		+0.7	Pa E
1950	9 21 08 22.94	-89	+46	0.0		-0.5	Pa E	2500	10 19 19 10.1	+97	+26	+0.8		+1.7	Gj B
2233	12 10 40 10.8	+100	-9	-0.3		+0.4	Sc	2500	10 20 30 40.8	-72	+70	+0.4		+0.4	Gj B
2233	12 12 05 06.9	-94	+33	+0.5		-0.1	Sc	2510	10 21 37 32.07	-97	+23	+0.5		0.0	Pa B
2861	17 01 08 57.77	-57	+82	+0.3		+0.1	Pa B	2513	10 21 16 11.57	+83	+56	+0.1		+1.2	Pa B
2864	17 01 39 46.71	-96	+27	+0.5		-0.1	Pa B	2513	10 22 00 33.19	-59	+81	-1.1		-0.9	Pa B
Lunation 300 1947 Mar.22 - Apr.21								2652	11 22 02 26.8	-96	+28	+1.1		+0.6	Pg B
	d h m s							2652	11 22 08 09.33	-95	-30	+1.2		+0.3	Pa B pc
450	26 03 00 18.0	+83	+56	+0.7	+1.9	+1.8	Sb B	2669	12 02 38 39.53	-84	+54	+0.8		+0.6	N1 B
595	27 03 04 48.7	+57	+82	+2.8	+4.0	+3.9	Tn A R	2669	12 02 40 59.51	-85	+52	+0.8		+0.6	Qd C g
621	27 07 36 22.1	+40	+92	0.0	+1.2	+1.0	Md g	2673	12 02 59 03.80	-99	+14	+0.8		+0.2	N1 2
709	27 19 33 58.92	+45	+89	-0.2	+1.0	+0.8	Qd A g	2673	12 03 01 46.10	-99	+12	+0.3		-0.3	Qd C g
734	27 23 39 07.2	+86	+51	-1.0	+0.1	0.0	Tn B	2673	12 03 25 51.5	-78	+63	+1.9		+1.8	Qp A
822	28 13 42 25.2	+85	+53	-0.8	+0.3	+0.2	Gj B	2676	12 03 07 14.90	-44	+90	-0.5		-0.1	N1 B
852	28 17 26 14.77	+88	-47	-2.8	-2.6	-2.5	Pa 3	2676	12 03 11 19.43	-46	+89	+0.7		+1.0	Qd C g
880	28 21 07 54.5	+81	-59	+0.6	+0.6	+0.7	Fk A hf	Lunation 301 1947 Apr.21 - May 20							
880	28 21 09 35.02	+83	-55	-0.8	-0.8	-0.6	Br A f		d h m s						
882	28 21 48 18.92	+37	-93	+2.3	+1.6	+1.8	Bt A g	665	23 20 25 25.2	+100	+6	-0.5	+0.4	+0.3	Nc B g
882	28 21 48 19.12	+37	-93	+2.1	+1.4	+1.6	Bs A g	665	23 20 25 25.7	+100	+6	-0.8	+0.2	0.0	Nc C g
882	28 21 48 19.79	+37	-93	+2.1	+1.4	+1.6	Bv e	665	23 20 55 44.84	+37	-93	+2.0	+1.6	+1.8	N1 3
882	28 21 48 20.2	+37	-93	+2.2	+1.5	+1.8	Bu D g	835	24 21 46 01.5	+77	+64	+0.3	+1.5	+1.2	Nr cf
882	28 21 48 20.7	+37	-93	+2.1	+1.4	+1.6	Bu B q	835	24 21 49 18.2	+85	+53	-1.8	-0.6	-0.9	Df A
918	29 03 32 55.3	+98	-20	+0.4	+0.9	+1.0	Sb A	835	24 21 50 08.4	+79	+62	-1.0	+0.2	-0.1	Ke
918	29 03 41 20.5	+81	+59	-0.9	+0.3	+0.2	Tq D	835	24 21 50 16.7	+74	+68	-0.7	+0.5	+0.2	Ki
918	29 03 41 20.6	+81	+59	-1.0	+0.2	+0.1	Tp A fv	835	24 21 50 26.5	+79	+62	-3.7	-2.5	-2.8	Kf R
918	29 03 46 01.2	+63	+78	-0.6	+0.6	+0.5	Sz	835	24 22 00 13.9	+98	-21	0.0	+0.7	+0.6	Nk A
1055	29 22 50 11.6	+100	+8	+1.7	+2.5	+2.5	K1	835	24 22 00 15.39	+98	-21	-0.5	+0.2	+0.1	N1 2

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 301 1947 Apr. 21 - May 20								Lunation 301 1947 Apr. 21 - May 20							
	d h m s								d h m s						
835	24 22 02 27.98	+97	-25	+2.5	+3.2	+3.1	Qd C R	1875	2 22 44 37.3	+80	-60	+0.2	+0.4	+0.5	Ca q
842	24 22 53 09.5	+95	-32	-1.2	-0.6	-0.6	Ah A g	1937	3 11 28 19.9	+16	-99	+3.9	+3.2	+3.6	Hj R
867	25 02 07 15.7	+52	+85	-0.7	+0.5	+0.1	Sb B	2469	8 00 59 57.62	-97	+23	+2.7		+2.1	Br A g
1049	26 03 14 38.4	+91	-41	-2.9	-2.4	-2.4	So A	2672	9 09 23 30.6	+62	+78	+0.9		+1.7	Me A g
1055	26 04 56 06.5	+43	-90	+0.2	-0.2	+0.1	So A	2672	9 09 23 38.6	+71	+71	+1.6		+2.4	Mf B f
1094	26 11 00 39.8	+97	+25	-0.7	+0.4	+0.1	Hg	2672	9 09 23 38.8	+71	+71	+1.6		+2.4	Mf A p
1094	26 11 00 41.5	+97	+25	-0.8	+0.3	0.0	Hf E	2672	9 09 23 38.8	+71	+71	+1.6		+2.4	Mh B g
1094	26 11 00 41.8	+97	+25	-0.9	+0.2	-0.1	Hf D	2721	9 18 42 54.5	+100	+9	-0.8		0.0	H1 B
1094	26 11 05 50.5	+92	+38	-0.7	+0.4	+0.2	Hp A	2721	9 18 51 49.5	+100	+10	0.0		+0.8	Hp E
1094	26 11 05 51.0	+92	+38	-0.9	+0.2	0.0	Hn	2721	9 18 51 49.6	+100	+10	-0.1		+0.7	Hn
1094	26 11 05 51.8	+92	+38	-1.2	-0.1	-0.4	Hp E	3141	12 21 37 24.3	-75	-66	-3.2		-4.0	Gj D R
1131	26 16 30 43.8	+45	-89	+0.4	+0.1	+0.3	Pk	3164	13 03 46 58.9	-90	+44	+1.7		+1.2	Pg B
1131	26 16 31 43.6	+42	-91	+2.0	+1.6	+1.9	Pg B	3164	13 03 47 01.6	-88	+47	+1.2		+0.8	Pk
1170	26 23 03 16.4	+88	-47	-0.9	-0.5	-0.5	Ca	3413	15 03 33 52.4	-31	-95	+1.1		+0.4	Pg B
1170	26 23 03 17	+89	-45	-1.2	-0.8	-0.8	Cb	3413	15 03 36 31.4	-36	-93	+0.6		-0.1	Pk
1170	26 23 03 17.0	+89	-45	-1.4	-1.0	-1.0	Cd	Lunation 302 1947 May 20 - June 18							
1170	26 23 04 23.7	+87	-49	-0.7	-0.3	-0.3	Cg		d h m s						
1170	26 23 07 01.8	+89	-45	-1.0	-0.6	-0.6	Nc B f	1062	23 13 51 25.1	+82	-57	+0.8	+1.2	+1.2	Gj B
1170	26 23 07 01.9	+89	-45	-1.0	-0.6	-0.6	Nc C g	1117	23 22 01 56	+97	+23	-1.3	-0.1	-0.2	Cb
1170	26 23 11 18.8	+79	-61	0.0	+0.2	+0.3	Kn	1117	23 22 09 35.8	+100	-1	-1.0	0.0	0.0	Df B
1170	26 23 11 46.3	+78	-62	-0.2	0.0	+0.1	Ke	1117	23 22 10 45.3	+100	-3	-0.8	+0.2	+0.2	Dt
1170	26 23 12 20.4	+78	-62	+0.9	+1.1	+1.2	Kt	1170	24 06 21 40.7	+49	-87	0.0	-0.2	-0.2	Th
1170	26 23 12 51.4	+82	-57	+0.6	+0.9	+0.9	Fk 2 g	1393	25 21 00 00.8	+95	+30	-1.6	-0.4	-0.4	Ca
1170	26 23 15 54.5	+70	-72	+0.3	+0.3	+0.5	Dt	1393	25 21 00 40.8	+96	+28	-1.2	0.0	0.0	Cg
1194	27 04 01 51.6	+34	+94	-0.2	+0.9	+0.5	Tq D	1393	25 21 01 10.6	+100	+3	-1.1	0.0	-0.1	Df A hq
1233	27 08 24 28.4	+75	+66	-1.6	-0.4	-0.8	An A	1393	25 21 01 38	+94	+33	-1.5	-0.2	-0.3	Cb
1233	27 08 24 36.2	+75	+66	-2.0	-0.8	-1.2	Ao A g	1393	25 21 01 40.7	+94	+33	-1.5	-0.2	-0.3	Cd
1233	27 08 52 47.4	+71	+70	-1.7	-0.5	-0.9	Md g	1393	25 21 03 07.4	+99	+12	-1.9	-0.8	-0.8	Ke
1279	27 17 39 12.84	+35	-94	-0.2	-0.7	-0.4	Pa 2	1393	25 21 03 26.0	+99	+12	-2.0	-0.9	-0.9	Kd
1283	27 18 56 39.28	+98	-19	-0.5	+0.2	+0.1	Pa 3	1393	25 21 04 01.3	+99	+12	-2.2	-1.1	-1.1	Kt
1283	27 19 19 32.3	+86	+51	-2.2	-1.0	-1.3	Pk	1393	25 21 13 11.7	+100	+4	-1.2	-0.1	-0.2	Qp A
1334	28 03 51 27.3	+100	0	-0.1	+0.8	+0.6	Sb B	1393	25 21 22 09.60	+83	-56	-0.4	0.0	0.0	N1 2
1342	28 05 15 17.3	+32	-95	+3.8	+3.3	+3.6	Tq A R	1393	25 21 27 52.08	+83	-56	-0.6	-0.2	-0.2	Qd F g
1363	28 08 39 57.6	+46	-89	+1.7	+1.4	+1.6	Mf A e	1514	26 21 33 23.8	+100	-2	-1.2	-0.2	-0.2	Ca
1363	28 08 39 58	+45	-89	+1.6	+1.3	+1.5	Mi g	1514	26 21 34 58	+100	0	-1.8	-0.8	-0.8	Cb
1365	28 08 40 57.9	+20	-98	-1.2	-1.8	-1.5	Ao B g	1514	26 21 34 58.8	+100	0	-0.8	+0.2	+0.2	Cd
1365	28 09 04 11	+69	-72	0.0	0.0	+0.2	Mi g	1514	26 21 36 21.5	+97	-26	0.0	+0.8	+0.8	Df B
1365	28 09 04 11.6	+69	-72	+0.1	+0.1	+0.3	Mf A g	1514	26 21 37 51.1	+98	-18	-0.9	0.0	-0.1	Ke h
1365	28 09 04 12.1	+69	-72	+0.1	+0.1	+0.3	Mf B fq	1514	26 21 38 11.0	+98	-18	-0.8	+0.1	0.0	Kd
1444	29 01 09 26.4	+64	-77	-1.2	-1.3	-1.1	Tp B fv	1514	26 21 42 06.6	+100	+2	-1.5	-0.4	-0.5	Nc B g
1456	29 04 51 11.6	+84	+54	-2.2	-1.0	-1.3	Tp B fv	1514	26 21 42 06.8	+100	+2	-1.5	-0.4	-0.5	Nc A
1533	29 18 14 59.31	+61	-79	-1.2	-1.3	-1.1	Pa 3	1514	26 21 42 06.9	+100	+2	-1.6	-0.6	-0.6	Nc C g
1533	29 18 15 07.8	+96	-27	-1.8	-1.2	-1.2	Pk	1514	26 21 44 04.3	+99	-11	0.0	+0.9	+0.9	Fk A
1533	29 18 15 25.0	+96	-29	-1.7	-1.1	-1.1	Pg B	1514	26 21 49 14.8	+97	-24	-0.3	+0.5	+0.5	Qp A
1544	29 19 52 58.3	+91	-41	-0.5	0.0	0.0	Dc g	1533	27 00 23 28.5	+99	-11	-0.2	+0.7	+0.7	Ah A g
1544	29 20 04 27.1	+100	-4	-0.7	+0.2	0.0	Ch	1535	27 00 55 44.5	+30	-95	-1.0	-1.5	-1.4	Th B
1544	29 20 04 38	+100	-5	-0.3	+0.6	+0.4	Cb	1535	27 01 03 36.0	+10	-100	-0.3	-1.0	-1.0	Sz
1544	29 20 04 43.2	+100	-5	0.0	+0.9	+0.7	Cd	1544	27 02 21 40.6	+100	-10	+0.2	+1.2	+1.1	Tn B
1544	29 20 10 06.8	+96	-27	-0.7	-0.1	-0.1	Fk 2 g	1544	27 02 23 08.6	+99	-17	+1.3	+2.2	+2.2	Tc f
1544	29 20 11 42.7	+87	-49	+0.4	+0.8	+0.8	Qp D	1544	27 02 23 11.0	+99	-16	-0.6	+0.3	+0.2	Sz
1544	29 20 46 02.98	+92	-40	-0.2	+0.3	+0.3	Fs B g	1544	27 02 24 30.8	+95	-31	-0.2	+0.5	+0.5	Tp B fv
1569	30 03 03 38.1	+98	-19	-0.7	0.0	-0.1	Tn B	1544	27 02 24 31.2	+95	-31	-0.5	+0.2	+0.2	Tq 3
1689	1 04 25 46.5	+96	+27	-0.9	+0.2	-0.1	Ai A g	1570	27 08 20 10	+99	+14	-2.2	-1.1	-1.1	Mi g
1773	1 23 19 41.9	+70	-71	-0.9	-0.9	-0.7	Ah A g								
1773	1 23 33 39.9	+74	-67	0.0	+0.1	+0.2	Ai A g								

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 302 1947 May 20 - June 18								Lunation 303 1947 June 18 - July 18							
	d h m s			"	"	"			d h m s			"	"	"	
1598	27 14 49 05.3	+84	-55	-2.4	-2.0	-2.0	Gj B	2036	27 22 43 09.86	+86	-51	+0.7	+0.1	+0.3	Ni 2
1621	27 20 27 25.5	+84	+54	-2.7	-1.4	-1.4	Pg B	2036	27 22 44 10.1	+100	-6	-0.6	0.0	+0.1	Nc B g
1647	28 00 52 08.7	+95	+31	-2.3	-1.1	-1.1	Tn B	2036	27 22 46 24.0	+99	-17	+0.6	+0.9	+1.0	Qp A
1689	28 09 17 54.6	+13	-99	-0.5	-1.2	-1.2	An B	2036	27 22 51 49.58	+85	-52	+1.0	+0.4	+0.6	Qd A g
1689	28 09 17 59.8	+13	-99	-0.4	-1.1	-1.0	Ao B g	2070	28 06 06 20.5	+91	-42	-0.9	-1.2	-1.1	So A
1702	28 12 53 40.85	+82	+57	-2.0	-0.7	-0.7	Bi A	2182	29 04 31 52	+93	-36	-0.2	-0.4	-0.2	Th
1741	28 22 42 02.0	+91	-42	0.0	+0.6	+0.6	Ca	2182	29 05 07 28.7	+99	-13	0.0	+0.4	+0.5	So A
1741	28 22 42 58.5	+90	-43	-0.1	+0.5	+0.4	Cg	2282	30 01 18 42.48	+98	+21	-1.2	0.0	0.0	Tq C
1741	28 22 43 44.8	+92	-40	0.0	+0.6	+0.6	Cd	2282	30 01 18 42.8	+98	+21	-1.0	+0.2	+0.2	Tq D
1741	28 22 45 46.0	+80	-60	+0.7	+1.0	+1.0	Df B	2282	30 01 18 42.8	+98	+21	-1.0	+0.2	+0.2	Tp B f
1741	28 22 46 56.8	+85	-53	+0.2	+0.6	+0.6	Kn	2293	30 02 50 42.1	+92	+40	-0.8	+0.8	+0.8	So A
1741	28 22 47 05.3	+84	-54	+0.6	+1.0	+1.0	Ke	2307	30 07 49 17.5	+94	+33	-1.1	+0.4	+0.4	Ah A g
1741	28 22 47 28.5	+84	-54	0.0	+0.4	+0.4	Kd	2310	30 08 12 51.0	+92	-39	-0.6	-0.9	-0.7	Ah A d
1741	28 22 51 46.2	+92	-39	-0.6	0.0	0.0	Nc C g	2330	30 08 56 33.8	+99	-13	-0.1	+0.3	+0.4	An A
1741	28 22 56 11.52	+90	-44	-0.7	-0.1	-0.2	Br A f	2330	30 08 56 40.9	+99	-13	-0.1	+0.3	+0.4	Ao B g
1755	29 02 10 26.1	+92	-39	-0.9	-0.3	-0.3	Ah A g	2330	30 09 48 00.2	+96	+28	-2.1	-0.7	-0.7	Me A g
1755	29 02 20 12.4	+92	-40	+0.4	+1.0	+1.0	Ai A	2337	30 10 44 16.1	+96	+29	-1.5	-0.1	-0.1	Ao B g
1856	29 23 30 40.5	+93	+36	-1.9	-0.6	-0.7	Ah A g	3089	6 02 06 16.8	-80	+60	+1.7	+2.3		Ai A g
1875	30 05 10 34.0	+73	-68	-0.1	+0.1	+0.1	Ta A a	384	13 01 52 52.7	-94	+33	-0.1	-0.2		Nr g
1924	30 13 41 49.6	+98	+18	-0.9	+0.3	+0.2	Gj D	517	14 02 51 24.39	-100	+6	0.0	-0.7		Qd B g
1951	30 22 44 34.5	+33	-94	0.0	-0.4	-0.4	Nc C	517	14 02 54 25.50	-99	+17	+0.4	0.0		Ni A f
1951	30 22 44 35.3	+33	-94	-0.2	-0.6	-0.6	Nc A	665	15 01 07 00.7	-75	+66	+0.4	+1.2		Nc B g
1994	31 05 34 22	+47	-88	+0.8	+0.5	+0.6	Mi g	665	15 01 07 01.2	-75	+66	+0.8	+1.6		Nc C f
1997	31 08 12 45.9	+97	-23	-0.9	-0.1	-0.1	So A	789	15 18 47 23.0	+99	-17	+3.6	+4.0		Hp D R
2721	6 01 11 43.11	+100	+7	+2.9			Qd F Rp								
2721	6 02 39 49.11	-98	+18	+0.4			Ni 2								
2721	6 02 47 58.22	-100	+10	0.0			Qd F g								
192	14 02 58 56.85	-55	+84	+0.5			Qd D g								
Lunation 303 1947 June 18 - July 18								Lunation 304 1947 July 18 - Aug. 16							
	d h m s			"	"	"			d h m s			"	"	"	
1363	21 23 09 04.1	+99	+17	-1.4	-0.3	-0.2	Ah A g	1669	21 20 17 47.4	+97	+24	-1.3	-0.1	-0.1	Fj sw
1393	22 05 16 44.1	+84	+55	-2.8	-0.9	-0.9	Th	1669	21 20 20 59.0	+98	+19	-2.1	-1.0	-1.0	Qp A
1514	23 05 00 15.6	+100	+8	-1.4	-0.5	-0.4	Th	1669	21 20 29 49.4	+98	-19	+1.9	+2.5	+2.5	Nk A R
1514	23 05 12 10.5	+98	+22	-1.7	-0.4	-0.4	So A	1669	21 20 29 52.91	+98	-19	0.0	+0.6	+0.6	Ni 2
1612	24 01 32 00.0	+79	-61	+1.6	+0.7	+0.9	Tn B	1669	21 20 35 02.56	+98	-20	+0.2	+0.8	+0.8	Qd B g
1612	24 01 39 28.9	+64	-77	-0.4	-1.8	-1.5	Tp A pc	1725	22 09 37 22	+43	-90	+1.5	+0.8	+0.7	An B p
1709	24 21 30 44.9	+50	-87	+2.9	+1.2	+1.4	Cd	1725	22 09 37 25.8	+43	-90	+1.9	+1.2	+1.1	Ao A g
1709	24 21 30 45	+50	-87	+2.6	+0.9	+1.1	Cb	1951	24 10 53 58.0	+94	-34	-0.6	-0.2	-0.2	Hp C
1709	24 21 31 25.8	+46	-89	+2.9	+1.1	+1.4	Cg	1997	24 19 54 33.0	+60	+80	-1.6	-0.1	0.0	Qp D
1709	24 21 37 45.1	+50	-87	+2.6	+0.9	+1.1	Nc B f	1997	24 19 56 29.3	+65	+76	-1.9	-0.4	-0.4	Gt A e
1709	24 21 37 45.6	+50	-87	+2.5	+0.8	+1.0	Nc C f	1997	24 20 07 09.9	+65	+76	-2.3	-0.8	-0.8	Gs g
1709	24 21 37 45.7	+50	-87	+2.5	+0.8	+1.0	Nc A f	1997	24 20 24 51.05	+67	+74	-2.3	-0.8	-0.8	Fs C g
1709	24 21 40 21.4	+29	-96	-0.1	-2.2	-1.9	Kn	2028	25 03 16 58.7	+100	+4	-0.5	+0.4	+0.4	Ai A n
1709	24 21 40 57.6	+27	-96	+1.7	-0.4	-0.2	Kv	2036	25 05 24 39.3	+90	+44	-1.7	-0.3	-0.3	So A
1709	24 21 41 08.0	+28	-96	+1.0	-1.1	-0.8	Kc	2060	25 10 09 42	+95	+32	-1.2	0.0	0.0	Mi g
1921	26 21 07 25.9	+98	+22	-1.1	+0.2	+0.2	Pg B	2060	25 10 11 52.4	+89	+45	-1.6	-0.2	-0.2	Me A g
1924	26 21 57 34.1	+100	-2	-0.2	+0.5	+0.6	Pg B	2064	25 10 48 34.5	+72	+69	-2.5	-1.0	-1.0	Md f
2016	27 16 02 46.8	+96	+27	-1.7	-0.3	-0.3	Pg B	2065	25 11 13 21.4	+45	-89	+1.9	+1.2	+1.2	Hf D
2028	27 20 25 56.0	+96	-28	-0.8	-0.8	-0.6	Pg B	2065	25 11 14 11.7	+34	-94	+1.2	+0.3	+0.3	Hj
2028	27 20 30 31.49	+49	-87	+0.9	-0.8	-0.6	Pa M	2070	25 12 00 21.90	+99	-17	-0.2	+0.5	+0.5	Bi A
2036	27 22 29 41.8	+99	-16	+0.5	+0.8	+1.0	Df A	2070	25 12 17 01.4	+99	+12	-1.8	-0.8	-0.8	Hj
2036	27 22 33 50.0	+99	-12	-0.6	-0.2	-0.1	Ke	2070	25 12 20 21.5	+99	+17	-2.2	-1.1	-1.1	Hi B
								2105	25 21 32 00.12	+71	-70	+1.2	+1.0	+0.9	Ni 2
								2105	25 21 32 02.9	+71	-70	+0.8	+0.6	+0.5	Nk A
								2105	25 21 33 22.6	+90	-43	-0.3	0.0	0.0	Qp D
								2105	25 21 41 26.48	+69	-73	+1.2	+0.9	+0.9	Qd B g
								2114	25 21 26 33.0	+82	+58	-1.9	-0.4	-0.4	Ah A s

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 304 1947 July 18 - Aug.16								Lunation 305 1947 Aug.16 - Sept.14							
	d h m s			"	"	"			d h m s			"	"	"	
2114	25 21 46 55.7	+76	+65	-2.5	-1.0	-1.0	Ai A g	2293	23 17 08 16.2	+68	-73	-0.2	+0.2	+0.4	Pk
2182	26 10 59 25.1	+96	+28	-2.7	-1.5	-1.5	Hj a	2293	23 17 09 40.2	+65	-76	-0.5	-0.1	+0.1	Pg B
2182	26 11 14 35.7	+90	+44	-1.3	+0.1	+0.1	Hp D	2359	24 05 07 30	+93	-37	-0.6	+0.2	+0.3	Sw a
2182	26 11 14 36.2	+89	+45	-1.5	-0.1	-0.1	Hp A	2442	24 20 19 57.94	+100	+8	-1.2	-0.2	-0.1	N1 A
2217	26 20 07 45.4	+79	-62	-0.3	-0.4	-0.4	Kt	2442	24 20 28 24.66	+100	+3	-0.9	+0.1	+0.2	Qd D g
2217	26 20 10 09.2	+78	-62	+0.7	+0.6	+0.6	Km	2442	24 20 28 31.7	+93	+36	-0.8	+0.2	+0.2	Df A
2217	26 20 17 18.7	+81	-58	+1.5	+1.5	+1.5	Fk A g	2442	24 20 44 19.6	+97	+25	-1.6	-0.6	-0.5	Qp A
2217	26 20 32 10.0	+82	-58	+2.3	+2.3	+2.3	Ga A	2443	24 20 31 16.57	+85	+53	-1.9	-0.9	-0.9	N1 2
2217	26 20 34 51.9	+70	-71	-0.6	-0.9	-0.9	Gs g	2443	24 20 38 32.14	+88	+48	-1.8	-0.8	-0.8	Qd D g
2217	26 21 01 37.17	+62	-78	+0.5	+0.1	+0.1	Fs C g	2443	24 20 57 46.1	+73	+68	-1.9	-1.0	-1.0	Qp A
2230	26 23 36 57.21	+100	+5	-0.2	+0.8	+0.8	N1 2 n	2524	25 11 02 50.6	+99	-14	-0.5	+0.4	+0.5	Hp A
2230	26 23 36 58.2	+100	+5	+0.1	+1.0	+1.0	Nk A	2524	25 11 02 51.6	+99	-14	-0.7	+0.2	+0.3	Hp D
2230	26 23 44 12.02	+100	-4	-0.9	-0.1	-0.1	Qd A s	2579	25 22 44 56.67	+99	+13	-1.0	0.0	+0.1	N1 E
2304	27 12 14 44.7	+100	+10	-1.2	-0.2	-0.2	Hf D	2657	26 08 43 10.7	+91	+42	-1.0	0.0	0.0	An B
2319	27 15 07 33.70	+100	-7	-1.2	-0.4	-0.4	Bi A k	2721	26 20 12 35.08	+50	+87	+0.1	+0.9	+0.8	N1 2
2348	27 18 55 46.30	+100	-8	-0.9	-0.1	-0.1	Pa 3	2721	26 20 15 25.31	+58	+82	-0.4	+0.4	+0.3	Qd F s
2351	27 20 25 42.9	+87	-49	-2.8	-2.6	-2.6	Gs g	2721	26 20 58 33.76	-46	+89	+0.4	0.0	N1 A	
2351	27 20 29 07.0	+94	-34	0.0	+0.4	+0.4	Ga A	2721	26 21 11 41.7	+41	+91	0.0	+0.7	+0.6	Ga A
2359	27 22 10 34.4	+39	-92	-1.5	-2.3	-2.3	Df B	2721	26 21 19 28.9	+100	+0.3	+0.6	+0.4	Nc E	
2359	27 22 12 17.9	+37	-93	-1.1	-1.9	-2.0	Dt	2721	26 21 19 29.1	+100	+0.3	+0.6	+0.4	Nc C g	
2430	28 11 27 06	+71	+70	-1.7	-0.2	-0.2	An B pd	2721	26 21 19 29.2	+100	+0.3	+0.6	+0.4	Nc B	
2430	28 11 27 07.5	+71	+70	-1.5	0.0	0.0	AO B g	2750	27 00 30 19.2	+99	-13	-0.6	+0.3	+0.4	Ah A g
2443	28 14 19 01.2	+81	-59	-0.2	-0.2	-0.2	Bi A a	2804	27 08 37 37	+100	+1	-1.0	0.0	+0.1	Mi g
2469	28 18 58 56.49	+93	+38	-1.2	+0.1	+0.1	Fs B g	2899	28 03 06 13.8	+61	+79	-0.5	+0.3	+0.3	Ah A g
2483	28 20 57 49.39	+62	+79	-0.5	+1.0	+1.1	N1 B	533	6 21 24 54.2	-98	-20	+1.1	0.0	Gj D	
2483	28 20 57 58.3	+62	+79	-0.4	+1.2	+1.2	Nk A	599	7 06 29 52.2	-95	+32	+0.6	-0.4	Ai A pq	
2499	28 22 58 23.0	+36	-93	+0.1	-0.8	-0.8	Ah A s	601	7 06 48 38.4	-98	-20	+2.2	+1.1	Ai A s	
2499	28 23 16 25.2	+33	-94	0.0	-0.9	-0.9	Ai A fn	657	7 14 03 13.5	+42	+91	+1.2	+1.8	Hp D	
2623	29 22 23 39.6	+84	-54	+0.1	+0.2	+0.2	Pg B	657	7 14 05 12.4	+33	+94	+2.4	+2.9	Hf D R	
2627	29 23 07 31.25	+88	+47	-0.2	+1.2	+1.2	Pa M	657	7 14 32 39.4	-65	+76	+2.0	+1.4	Hp D	
2650	30 00 36 16.7	+72	-70	-0.6	-0.8	-0.8	Tq D	709	7 21 42 27.1	-38	+93	-0.2	-0.5	Nc A f	
2650	30 00 36 16.8	+72	-70	-0.6	-0.8	-0.8	Tp B gh	709	7 21 42 32.0	-38	+93	+0.7	+0.4	Nc B f	
2650	30 00 39 37.8	+81	-58	+0.4	+0.4	+0.4	Sz a	742	8 04 34 25.81	-100	-10	+1.6	+0.5	N1 B	
2650	30 00 39 21.2	+81	-59	0.0	0.0	0.0	Se	742	8 04 35 31.54	-96	-28	+1.0	-0.1	Qd A g	
2650	30 00 41 18.1	+85	-52	-1.2	-1.1	-1.1	Tn A	822	8 15 36 07.5	+51	+86	+3.4	+4.1	Hp D R	
2673	30 06 53 47.9	+23	+97	-0.3	+1.1	+1.1	So A	822	8 16 14 00.0	-77	+64	+1.0	+0.3	Hp D	
2721	30 14 14 11.0	+100	+6	-0.5	+0.5	+0.5	Hh	900	9 03 20 56.38	-58	+81	-0.7	-1.2	N1 B	
2721	30 14 14 13.7	+100	+6	-0.8	+0.2	+0.2	Hf D	900	9 03 28 00.54	-80	+60	+1.0	+0.2	Qd F g	
3428	5 02 18 38.1	-92	-40	+5.5	+4.2		Ai A Rq	1061	10 02 03 37.15	-68	+74	+1.0	+0.4	N1 2	
219	7 23 33 40.1	-58	-82	+0.4	-1.2		Pg B	1061	10 02 05 30.31	-83	+56	+3.2	+2.4	Qd C R	
1117	14 02 36 03.0	+93	-38	-0.6	-0.2		Kf	1061	10 02 16 50.5	-79	+61	+0.8	0.0	Gt A g	
1117	14 02 36 14.0	+93	-36	+0.2	+0.6		Ke f	1062	10 02 25 38.21	-99	-14	+2.4	+1.3	Qd C s	
1117	14 02 41 16.65	+99	-14	+4.1	+4.8		Nr R	1062	10 02 27 51.32	-100	+2	-0.2	-1.3	N1 2	
1117	14 03 05 25.8	-55	-84	+2.8	+1.2		Gt A g	1062	10 02 40 24.1	-100	-8	+2.3	+1.2	Gt A g	
1117	14 03 18 12.7	-67	-74	+0.6	-0.9		Nc B f	1062	10 02 45 43.8	-100	+8	-0.3	-1.4	Fj s	
1117	14 03 30 19.17	-94	-33	+1.1	-0.2		Nr e	1062	10 02 46 28.2	-82	+58	+0.8	0.0	Nr e	
Lunation 305 1947 Aug.16 - Sept.14								Lunation 306 1947 Sept.14 - Oct.14							
	d h m s			"	"	"			d h m s			"	"	"	
1941	20 16 41 00.7	+73	+68	-2.2	-1.3	-1.3	Pk	2160	19 00 37 57.5	+66	+75	-1.9	-1.1	-1.2	Ai A nd
1969	20 23 10 40.2	+39	+92	-1.0	-0.3	-0.5	Ah A g	2241	19 16 53 40.4	+77	+64	-2.2	-1.4	-1.4	Pg B
2025	21 11 11 33.53	+43	-90	+2.7	+2.8	+3.0	Bi C R	2241	19 16 55 00.6	+74	+67	-2.0	-1.2	-1.2	Pk
2181	22 19 35 29.55	+58	-81	+1.4	+1.7	+1.9	Fs B g	2282	20 00 35 18.2	+94	-35	-0.3	+0.3	+0.4	Ah A g
2217	23 03 35 17	+100	+9	-0.2	+0.8	+0.9	Sw	2282	20 00 45 27.9	+74	-67	-0.2	+0.1	+0.2	Ai A g
								2282	20 00 47 40.4	+95	-32	-1.0	-0.4	-0.3	Au g

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 306 1947 Sept.14 - Oct.14								Lunation 307 1947 Oct.14 - Nov.12							
	d h m s			"	"	"			d h m s			"	"	"	
2293	20 02 24 06.3	+86	-50	-0.5	0.0	+0.1	Ah A g	2192	16 16 39 41.6	+94	+33	-1.9	-1.1	-1.0	Pg B
2398	20 20 25 46.59	+99	+16	-0.9	-0.1	0.0	N1 A c	2282	17 09 43 21.9	+99	-17	-0.8	-0.1	0.0	Ao B g
2398	20 20 32 57.13	+100	+6	-1.3	-0.5	-0.5	Qd B g	2282	17 09 43 22.1	+99	-16	-1.1	-0.4	-0.3	An C
2558	22 02 22 31.2	+98	-18	-1.1	-0.4	-0.3	So D	2333	17 17 51 24.1	+79	-61	+0.6	+1.0	+1.0	Pg B
2605	22 08 57 41.4	+97	-26	-0.3	+0.4	+0.4	An A	2459	18 17 28 15.3	+99	-12	-1.1	-0.4	-0.3	Pg B
2605	22 08 57 48.2	+97	-26	0.0	+0.7	+0.7	Ao B g	2459	18 17 28 32.8	+100	-10	-0.8	-0.1	0.0	Pk
2623	22 12 34 58.6	+98	+20	+1.2	+2.0	+2.1	Ao A Rc	2605	19 17 49 47.90	+97	+24	0.0	+0.8	+0.9	Pa 3
2723	23 04 59 13.5	+70	-71	0.0	+0.3	+0.4	So D	2623	19 20 57 30.55	+88	+48	-0.7	+0.1	+0.2	Pa M
2750	23 08 12 07.6	+99	-17	-0.4	+0.3	+0.4	Md f	2657	20 02 27 45.2	+50	+87	-0.6	0.0	+0.2	Ai A sd
2750	23 08 23 50.5	+98	+20	-1.3	-0.5	-0.4	Me A g	2784	20 20 59 56.7	+47	-88	-0.5	-0.4	-0.4	Tp B f
2781	23 13 56 20.5	+95	-32	-0.9	-0.3	-0.2	Ao A g	2784	20 21 47 04.1	-53	-85	+0.9		+0.1	Tp B f
2848	23 23 26 58.2	+92	-39	+0.2	+0.8	+0.8	Tn A	2804	21 01 51 04.4	+39	+92	-0.1	+0.4	+0.6	Ai A g
3032	25 10 44 40.0	+95	+30	-0.1	+0.8	+0.8	Bi A	2852	21 09 30 40.4	+25	+97	-0.7	-0.3	-0.1	Ao A g
3032	25 11 32 14.3	+98	+19	+0.4	+1.2	+1.2	Hp D	2852	21 09 30 54.0	+24	+97	-0.5	-0.1	+0.1	An A
3102	26 00 06 01.4	+96	-27	-1.9	-1.3	-1.2	Sz	2910	21 20 11 19.80	+95	-32	-0.6	0.0	+0.1	N1 2
3102	26 00 09 29.5	+97	-24	-1.8	-1.1	-1.1	Tn A	2910	21 20 21 38.90	+87	-49	-0.7	-0.2	-0.1	Qd A g
3106	26 02 25 25.2	+72	+70	-0.2	+0.6	+0.6	Ai A s	2910	21 20 29 48.7	+91	-42	-0.1	+0.5	+0.5	Fk A gd
3106	26 02 37 07.5	+28	+96	-0.2	+0.4	+0.3	Ah A g	2925	21 22 45 32.5	+100	+1	-0.3	+0.5	+0.6	Tp B fv
3116	26 04 16 57.6	+85	+53	-1.2	-0.3	-0.4	Ai A g	2925	21 22 53 51.5	+100	+3	-0.5	+0.3	+0.4	Sz
3116	26 04 24 45.6	+61	+79	0.0	+0.8	+0.7	Ah A g	2925	21 22 56 44.7	+100	+5	-2.2	-1.4	-1.3	Tn A
3227	27 01 50 12.89	+99	+12	+0.8	+1.6	+1.6	N1 B	3032	22 19 56 04.30	+65	+76	-1.1	-0.4	-0.3	Qd E g
3228	27 01 00 35.7	+36	+93	-0.8	-0.2	-0.2	Ai A sn	3032	22 19 57 05.76	+48	+88	-0.3	+0.3	+0.4	N1 2
3243	27 04 49 35.4	+90	-43	-0.9	-0.4	-0.3	Ah A g	3032	22 20 29 47.96	+100	+4	-0.2	+0.6	+0.7	Fs B g
3349	27 23 44 40.8	+83	+56	-0.7	+0.2	+0.1	Tp B p	3032	22 20 29 49.2	+100	+4	-0.6	+0.2	+0.3	Fs D
3349	27 23 44 40.8	+83	+56	-0.6	+0.3	+0.2	Tq 2	3062	23 01 40 45.9	+85	+52	-1.5	-0.7	-0.6	Ai A g
3349	27 23 45 01.0	+82	+57	-1.7	-0.8	-0.9	Tq E	3062	23 01 47 41.7	+60	+80	-0.6	+0.1	+0.2	Ah A g
3349	27 23 52 36.2	+80	+60	-1.8	-0.9	-1.0	Tc p	3164	23 21 50 09	+49	-87	-0.1	0.0	0.0	Pk
3349	27 23 57 05.4	+78	+63	+0.4	+1.2	+1.2	Te	3164	23 21 50 47.2	+45	-89	+0.8	+0.9	+0.8	Pg B
3349	27 23 57 18.9	+78	+62	-0.1	+0.8	+0.7	Tn A	3175	23 23 06 38.0	+68	+74	-0.8	-0.1	0.0	Ai A g
3349	28 00 50 57.9	-88	+48	+4.5		+3.9	Tp B Rp	3175	23 23 19 29.4	+15	+99	+0.2	+0.6	+0.7	Ah A s
3478	28 23 24 47.2	+96	+29	-0.9	0.0	0.0	Ah A g	3243	24 13 10 03.7	+98	-20	-1.2	-0.5	-0.4	Ao B g
422	3 05 25 07.7	-100	+2	+0.9		+0.1	Kf	3276	24 17 36 31.7	+56	+83	-0.3	+0.4	+0.5	Nc B f
423	3 04 51 09.6	-85	+53	+1.3		+0.8	Ai A g	3276	24 17 36 31.9	+56	+83	-0.4	+0.2	+0.4	Nc C g
531	4 03 07 14.22	-97	+25	+0.7		0.0	N1 2	3284	24 20 46 18.12	+48	+88	-0.1	+0.5	+0.6	Pa 2
531	4 03 12 28.60	-100	+5	+0.1		-0.7	Qd A s	3304	24 22 48 54.3	+83	+56	-1.3	-0.5	-0.4	Ai A g
531	4 03 38 37.8	-85	+52	+1.0		+0.4	Fj s	3304	24 22 50 40.6	+52	+85	-0.1	+0.5	+0.7	Ah A g
533	4 03 53 12.49	-89	-45	-0.4		-1.2	N1 2	3349	25 08 24 49.5	+52	+85	-0.8	-0.2	0.0	Hh
533	4 04 09 47.8	-90	+43	+1.0		+0.4	Nr s	3358	25 12 13 06.1	+64	-77	-1.0	-0.7	-0.7	An B
656	4 20 03 12.96	-83	+55	+1.7		+1.2	Fs B g	3413	25 22 51 10.85	+97	+26	-0.7	+0.1	+0.2	N1 B
657	4 20 05 56.31	-98	+19	0.0		-0.8	Fs B g	3413	25 23 06 56.3	+86	+51	-1.5	-0.7	-0.6	Dt
709	5 03 00 29	-92	-40	+0.7		-0.2	Te p	3413	25 23 09 50.4	+89	+45	-1.0	-0.2	-0.1	Kh n
822	5 21 49 40.4	-70	+72	+1.3		+0.9	Qp D	3413	25 23 10 08.8	+89	+46	-1.5	-0.7	-0.6	Ke
822	5 21 49 55.3	-41	+91	-1.1		-1.2	Kf	3413	25 23 10 11.6	+89	+46	-3.0	-2.2	-2.1	Kj
822	5 21 51 18.4	-46	+89	-1.0		-1.1	Kk	3413	25 23 10 21.8	+90	+44	-0.2	+0.6	+0.7	Kf
822	5 21 51 19.5	-65	+76	+1.9		+1.6	Fj s	3413	25 23 11 14.0	+91	+42	0.0	+0.8	+0.9	Kk
849	6 02 44 14.0	-87	-50	+0.7		-0.2	Pk	3413	25 23 16 47.55	+99	+14	-0.6	+0.2	+0.3	Br A g
900	6 09 06 38	+84	-54	+2.5		+3.0	Te Rp	3413	25 23 12 31.3	+97	+23	-1.2	-0.4	-0.3	Fj ag
900	6 10 08 27.4	-70	-71	+1.4		+0.6	Sz	3434	26 02 48 12.6	+45	+89	-0.5	+0.1	+0.2	Ah A g
900	6 10 12 48.5	-78	-62	+0.8		0.0	Te	3438	26 02 39 23.2	+51	+86	-0.9	-0.3	-0.2	Tq D
1061	7 08 18 58.0	-25	-97	+3.1		+2.6	Sz R	3438	26 02 44 58.6	+55	+84	-0.6	0.0	+0.2	Sz
1061	7 08 27 07.0	-42	-91	+1.0		+0.4	Te	3446	26 04 12 17.7	+100	+9	+0.2	+1.0	+1.1	Ah A g
1211	8 08 14 48.5	-59	+81	-0.8		-1.1	Te	3506	26 16 18 39.7	+85	+53	-1.0	-0.2	-0.1	Gj D
1211	8 08 16 43.2	-69	+72	+0.8		+0.4	Sz	660	1 04 03 58.48	+100	-1	-0.7		+0.2	N1 D
1484	10 10 37 54.5	+99	-12	-2.0		-1.2	Te	664	1 05 58 03.08	-92	+39	+1.8		+1.2	Qd D pc
1484	10 10 38 39.6	+99	-13	-1.3		-0.5	Tn A	822	2 03 52 55.2	-78	-63	+0.2		-0.7	Sz

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 307 1947 Oct.14 - Nov.12								Lunation 308 1947 Nov.12 - Dec.12							
	d h m s			"	"	"			d h m s			"	"	"	
842	2 07 47 26.5	-79	+62	+0.9		+0.5	Sz	3392	22 04 03 45.2	+99	-17	-1.5	-0.2	-0.3	Ai A d
852	2 09 40 27.0	-99	+14	-0.8		-1.6	Sz	3425	22 09 43 15.6	+100	+6	-0.9	+0.4	+0.3	Me D g
900	2 14 46 45.2	-54	-84	+2.4		+1.6	Hp D	3478	22 18 15 39.58	+93	-36	-3.5	-2.2	-2.3	Pa 3
1105	3 20 48 13.5	-98	+18	+1.4		+0.6	Gj D	49	23 20 23 48.93	+93	+36	-1.7	-0.5	-0.6	Qd D g
1211	4 13 11 41	-55	+83	+0.6		+0.4	Hp D	49	23 20 23 52.00	+85	+52	-0.9	+0.2	+0.1	N1 2
1373	5 18 11 30.0	-90	-43	+1.5		+0.6	Bi B g	49	23 20 23 54.3	+85	+52	-0.4	+0.7	+0.6	Nk A
1373	5 18 42 19.8	-97	-23	+2.1		+1.2	Hp F	49	23 20 53 02.0	+73	+68	-0.2	+0.7	+0.7	Dt
1484	6 16 09 55	+69	-73	-0.1		+0.2	Hh	49	23 20 53 18.4	+96	+27	-1.1	+0.1	+0.1	Gt A g
1484	6 16 10 02.0	+68	-73	-1.5		-1.2	Hf D	49	23 20 57 35.2	+78	+62	-0.5	+0.5	+0.4	Ke c
1484	6 16 11 40.6	+67	-74	+0.6		+0.9	Hp F	49	23 21 00 53.8	+48	+88	-0.8	-0.3	-0.2	Nr g
1484	6 16 11 41.9	+67	-74	+0.2		+0.5	Hp D	62	24 00 49 32.98	+76	+65	-0.7	+0.2	+0.2	N1 2
1484	6 16 11 42.0	+67	-74	0.0		+0.3	Hp C	66	23 23 30 11.2	+75	-66	0.0	+1.0	+1.0	Tn F
1484	6 16 46 38	-55	-84	+1.1		+0.3	Hh	76	24 03 27 43.2	+48	+88	-1.0	-0.5	-0.4	Tn A
1484	6 16 48 51.8	-54	-84	+1.7		+0.9	Hp D	83	24 04 35 00.8	+86	-51	-2.5	-1.3	-1.4	Tn A
1484	6 16 48 51.9	-54	-84	+1.6		+0.8	Hp F	238	25 09 16 27.5	+90	-44	-3.3	-2.1	-2.2	Me B g
1484	6 16 48 51.9	-54	-84	+1.6		+0.8	Hp C	422	26 19 58 06.32	+84	+54	-1.5	-0.4	-0.5	Qd E g
1544	7 04 58 22.3	-88	-48	+0.9		0.0	Nc C g	422	26 20 26 47.6	+90	+44	-2.1	-1.0	-1.0	Gt A e
1544	7 04 58 22.5	-88	-48	+0.9		0.0	Nc B	422	26 20 35 18.7	+83	+56	-0.5	+0.5	+0.5	Fj g
								422	26 20 36 44.4	+60	+80	-1.0	-0.3	-0.3	Dt
								422	26 20 39 00.2	+57	+82	-0.4	+0.3	+0.3	Df A
Lunation 308 1947 Nov.12 - Dec.12								556	28 11 03 18.6	+83	-56	-0.1		+1.0	Hp D
	d h m s			"	"	"		852	29 15 57 38.8	-98	-21	+4.2		+3.0	Gj D R
2499	15 08 16 13	+48	+88	-1.3	-0.8	-0.7	Mi g	1061	30 21 04 52.7	-86	-51	+0.9		-0.2	Qp A
2499	15 08 24 07.4	+29	+96	-0.6	-0.3	-0.3	Me A g	1061	30 21 18 34.7	-100	+1	+0.9		-0.3	Nr g
2500	15 08 15 44	+83	+55	-1.2	-0.2	-0.2	Mi g	1062	30 21 29 06.2	-80	-60	+4.6		+3.6	Nr Rp
2500	15 08 20 11.0	+76	+65	-1.3	-0.4	-0.4	Me C g	1206	1 20 27 18.0	-92	-39	+2.3		+1.2	Gj D
2740	17 00 39 58.2	+58	-81	+0.6	+1.4	+1.3	Ah A g	1251	2 03 17 50.8	-91	-42	+1.8		+0.7	Sz
2750	17 01 45 15.8	+99	+13	-0.3	+1.0	+0.9	Ah A d	1251	2 04 44 41.9	-98	+22	-0.1		-1.3	Nr g
2804	17 09 42 20	+88	+47	-1.2	-0.1	-0.1	Mi g	1270	2 05 55 58.1	+59	+81	-2.3		-1.6	Tp B f
2804	17 09 46 42.0	+84	+55	-1.1	0.0	-0.1	Me B g	1270	2 06 42 14.8	-66	+75	+1.2		+0.4	Tp B f
2852	17 18 14 17.1	+46	+89	-0.6	-0.1	-0.1	Pg B	1363	2 23 35 48.4	-66	+75	+1.2		+0.4	Gj D
2939	18 11 54 43.45	+53	+85	-0.4	+0.2	+0.2	Bi B g	1365	2 23 59 50.8	-36	+93	+0.3		-0.2	Gj D
3012	19 00 33 33.5	+92	+39	-1.1	+0.1	0.0	Tn F	1702	5 18 47 12.51	+89	+46	+0.5		+1.6	Bi A g
3062	19 09 55 37.9	+100	+4	-0.8	+0.5	+0.4	Me B g	1869	7 08 59 03.1	-70	-71	+0.6		-0.2	Tp B fh
3062	19 09 58 01.8	+62	+78	-0.6	+0.1	+0.2	Ao A g	1875	7 11 06 38.6	-97	+25	+0.6		-0.6	Tp B fv
3062	19 09 58 07.4	+62	+78	-0.7	0.0	0.0	An B	1937	7 23 47 07.4	-94	+34	+1.1		-0.1	Gj D
3102	19 17 10 35.6	+85	+52	-1.9	-0.8	-0.9	Kk								
3102	19 17 15 25.1	+85	+52	-1.3	-0.2	-0.3	Ca q	Lunation 309 1947 Dec.12 - 1948 Jan.11							
3106	19 19 30 49.99	+21	+98	-0.1	+0.1	+0.1	Pa 2		d h m s			"	"	"	
3116	19 21 04 01.17	+44	+90	-0.1	+0.4	+0.4	Pa 3	2804	14 17 47 43.8	+43	+90	-0.1	-0.6	-0.6	Pg A
3141	20 00 02 15.4	+99	+12	-0.1	+1.2	+1.1	Tp A fv	2804	14 17 48 54.4	+40	+92	+0.3	-0.2	-0.2	Pk
3141	20 00 02 15.5	+99	+12	-0.1	+1.2	+1.1	Tq D	3062	16 17 43 42.6	+94	+35	-0.7	-0.2	-0.2	Pg A
3141	20 00 09 03.5	+99	+11	0.0	+1.3	+1.2	Tn A	3062	16 17 44 38.3	+93	+37	-1.2	-0.7	-0.8	Pk
3175	20 07 54 47.6	+99	+12	-0.4	+0.9	+0.8	Me A g	3228	18 02 39 08.2	+79	-61	+1.0	+2.3	+2.2	Ah A Rd
3228	20 18 41 48.46	+7+100		-0.7	-0.7	-0.6	Pa 3	3349	19 02 12 53.1	+100	-2	-0.6	+0.3	+0.3	Th
3228	20 18 41 53.53	+8+100		-0.1	-0.1	0.0	Pa 4	3349	19 02 30 58	+73	-69	+0.4	+1.7	+1.6	Sw a
3243	20 21 55 11.52	+83	-56	-0.5	+0.6	+0.6	Pa 3	3425	19 18 19 27.0	+100	-1	-0.1	+0.8	+0.8	Pg A
3266	21 01 09 46.2	+52	-85	+0.5	+1.3	+1.2	Tp A fv	3425	19 18 20 28.0	+100	+1	+0.1	+1.0	+0.9	Pk
3304	21 08 11 44.4	+97	-24	-2.7	-1.4	-1.5	Me B p	3434	19 20 20 12.14	+95	-31	-2.1	-1.0	-1.0	Pa 2
3343	21 16 34 31.60	+94	-34	-2.4	-1.1	-1.2	Fs B g	3434	19 20 37 23.5	+97	-23	-1.1	0.0	-0.1	Pg C
3349	21 17 40 07.41	+41	+91	-0.4	0.0	+0.1	N1 3	3438	19 20 02 58.04	+100	+5	0.0	+0.9	+0.8	N1 2
3349	21 17 40 09.9	+41	+91	-0.4	0.0	+0.1	Nk A	3438	19 20 03 02.6	+100	+5	-0.4	+0.5	+0.4	Nk A
3349	21 18 06 30.3	+69	+72	+0.4	+1.2	+1.2	Gt A g	3458	19 23 29 52.3	+58	-82	-1.8	-0.5	-0.6	Tp B fv
3349	21 18 19 48.80	+100	+8	+0.3	+1.6	+1.5	Fs B g	3458	19 23 29 52.4	+58	-82	-1.7	-0.4	-0.5	Tq 2
3356	21 21 49 08.80	+50	+87	-0.6	0.0	0.0	Pa 2								

For details of the codes see Introduction and Lists A and B.

LIST C - REDUCED OBSERVATIONS OF OCCULTATIONS

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NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes	NZC No.	Date and U.T.	p	q	$\Delta\sigma$	R_1	R_2	Codes
Lunation 309 1947 Dec.12 - 1948 Jan.11								Lunation 309 1947 Dec.12 - 1948 Jan.11							
3458	19 23 39 34 ^{d h m s} .4	+51	-86	-1 ["] .4	-0 ["] .1	-0 ["] .2	Sz	380	24 01 42 00 ^{d h m s} .30	+86	-50	-0 ["] .6	+0 ["] .6	+0 ["] .6	Qd D p
3458	19 23 39 59 ^{d h m s} .8	+55	-83	-1 ["] .5	-0 ["] .2	-0 ["] .3	Tn A	531	25 06 47 47 ^{d h m s} .6	+92	-38	-3 ["] .9	-2 ["] .7	-2 ["] .8	Sz R
3506	20 10 23 52 ^{d h m s} .20	+71	+71	-0 ["] .1	-0 ["] .1	-0 ["] .2	Bi A g	533	25 07 33 55 ^{d h m s} .6	+62	-78	-0 ["] .6	+0 ["] .7	+0 ["] .6	Sz
3506	20 10 45 37 ^{d h m s} .9	+91	+41	+0 ["] .2	+0 ["] .6	+0 ["] .6	Hf D	656	25 21 48 57 ^{d h m s} .5	+99	+11	-1 ["] .4	-0 ["] .6	-0 ["] .7	Sz
3506	20 10 45 39 ^{d h m s} .0	+91	+42	+0 ["] .4	+0 ["] .8	+0 ["] .8	Hh	656	25 23 20 42 ^{d h m s} .4	+78	-63	-0 ["] .4	+0 ["] .9	+0 ["] .8	Nr e
3506	20 10 45 51 ^{d h m s} .3	+91	+41	-0 ["] .4	0 ["] .0	0 ["] .0	H1 B	656	25 23 38 28 ^{d h m s} .5	+68	-73	-0 ["] .2	+1 ["] .1	+1 ["] .0	Cg
3506	20 10 50 31 ^{d h m s} .2	+94	+34	-1 ["] .2	-0 ["] .7	-0 ["] .7	Hp F	657	25 21 48 16 ^{d h m s} .6	+97	-23	-1 ["] .4	-0 ["] .3	-0 ["] .4	Sz
3506	20 10 50 44 ^{d h m s}	+94	+33	-1 ["] .3	-0 ["] .8	-0 ["] .8	Hq	660	26 00 20 38 ^{d h m s} .2	+27	+96	-1 ["] .0	+0 ["] .4	+0 ["] .3	Nr d
76	21 12 26 12 ^{d h m s} .5	+99	-11	+1 ["] .3	+2 ["] .3	+2 ["] .2	Hf D R	660	26 00 39 52 ^{d h m s} .0	-28	+96	+4 ["] .7	+3 ["] .6		Nr Rf
76	21 12 26 16 ^{d h m s} .9	+99	-11	-0 ["] .8	+0 ["] .2	+0 ["] .1	Hh	1149	28 20 25 09 ^{d h m s} .00	-99	+15	+0 ["] .2	-0 ["] .8		Pa 2 f
76	21 12 26 33 ^{d h m s} .6	+99	-12	-0 ["] .5	+0 ["] .5	+0 ["] .4	H1 2	1821	3 05 43 44 ^{d h m s} .88	+58	-82	+1 ["] .9	+3 ["] .1		N1 B R
76	21 12 31 03 ^{d h m s} .6	+99	-16	+4 ["] .1	+5 ["] .2	+5 ["] .1	Hn R	1821	3 05 44 00 ^{d h m s} .34	+58	-81	+1 ["] .9	+3 ["] .1		N1 B R
76	21 12 31 03 ^{d h m s} .8	+99	-16	+0 ["] .9	+2 ["] .0	+1 ["] .9	Hp F	1821	3 05 50 59 ^{d h m s} .17	+58	-81	-1 ["] .7	-0 ["] .5		Qd F p
137	22 01 07 41 ^{d h m s} .8	+74	+68	0 ["] .0	0 ["] .0	0 ["] .0	Tp B fv	1821	3 06 40 00 ^{d h m s} .6	-97	+25	+1 ["] .9	+0 ["] .9		Nr gk
237	22 18 51 29 ^{d h m s} .71	+98	-22	-0 ["] .7	+0 ["] .4	+0 ["] .3	N1 B	1821	3 06 43 10 ^{d h m s} .99	-88	-48	+1 ["] .7	+1 ["] .4		N1 B
237	22 18 56 28 ^{d h m s} .74	+91	-42	-3 ["] .3	-2 ["] .1	-2 ["] .2	Qd C Rp	1821	3 06 43 23 ^{d h m s} .95	-88	-48	+1 ["] .5	+1 ["] .2		N1 B
237	22 19 32 14 ^{d h m s} .3	+86	-51	-1 ["] .4	-0 ["] .1	-0 ["] .2	Gt A g	1921	4 01 54 36 ^{d h m s} .76	-85	+53	+1 ["] .4	+0 ["] .2		Pa 2
237	22 19 45 45 ^{d h m s} .0	+93	-37	-2 ["] .9	-1 ["] .7	-1 ["] .8	Nc C	2028	5 00 35 39 ^{d h m s} .01	-98	+22	+0 ["] .6	-0 ["] .4		Pa 2
237	22 19 45 45 ^{d h m s} .0	+93	-37	-3 ["] .0	-1 ["] .8	-1 ["] .9	Nc A	2117	5 20 42 59 ^{d h m s} .8	+100	+4	+0 ["] .8	+1 ["] .6		Ei A g
237	22 19 45 45 ^{d h m s} .1	+93	-37	-2 ["] .9	-1 ["] .7	-1 ["] .8	Nc B	2117	5 21 56 53 ^{d h m s} .6	-87	+50	+0 ["] .4	-0 ["] .8		Bi A g
237	22 19 55 17 ^{d h m s} .8	+73	-68	+0 ["] .7	+2 ["] .0	+1 ["] .9	Ga D	2118	5 20 51 43 ^{d h m s} .1	+100	0	-0 ["] .2	+0 ["] .6		Bi A g
380	24 01 37 11 ^{d h m s} .53	+92	-38	-2 ["] .9	-1 ["] .7	-1 ["] .8	N1 2 d	2118	5 22 07 15 ^{d h m s} .9	-88	+47	+0 ["] .6	-0 ["] .6		Bi A g

For details of the codes see Introduction and Lists A and B.

SUMMARY OF THE ANNUAL DISCUSSIONS

Professor E. W. Brown, in 1927 (*A.J.*, Vol.37, 99, 1927), appealed for more observations of occultations of stars by the Moon as these observations could furnish valuable data concerning the apparent deviations of the Moon from its tabular position; he published the first annual discussion for observations in 1926. For 1927 to 1935 annual compilations and discussions were published in the *Astronomical Journal* by E. W. Brown and Dirk Brouwer. The latter outlined a revised programme for occultation observations in *A.J.*, Vol.47, 191, 1938 in which the main change was the limitation of stars to Hammond's Catalogue (*Publications of the U. S. Naval Observatory*, Vol.XIV, Pt.2, 1938) pending the publication of the New Zodiacal Catalogue which replaced Hammond's for observations from 1941 onwards. Annual discussions were published by Dirk Brouwer for 1936 to 1942, in collaboration with Hans G. Hertz for 1940 and 1941.

The limitation of stars to Hammond's or the New Zodiacal Catalogues had much reduced the annual term in the occultation results, and the next important step required was the accurate application of corrections for limb irregularities. This was one of the main reasons for H. M. Nautical Almanac Office assuming responsibility for the annual discussions when it undertook the centralised reduction. As the application of these corrections was deferred, the annual discussions have been continued from the previous ones by Professor Brouwer without any change of method. They have been published in the *Astronomical Journal* as follows:

1943, Vol.53, 163, 1948;	1944 and 1945, Vol.55, 7, 1949;
1946, Vol.55, 47, 1950;	1947, Vol.55, 247, 1951.

Corrections are required to the solution for lunation 276 in 1945 as published in *A.J.*, Vol.55, 8, 1949. The values of $[p\Delta\sigma]$, $[q\Delta\sigma]$, δL_I and δB_I for this lunation should be altered to $-39^{\circ}0$, $-41^{\circ}0$, $-0^{\circ}57$ and $-1^{\circ}37$ respectively. The final values for 1945 $^{\circ}0$ are unaltered. These corrections are due to an incorrect position having originally been supplied for one station, for which there were six observations in lunation 276 only. The corrected values have been used in forming the residuals for this lunation for List C.

Professor Brouwer had latterly confined his discussions to disappearances at the dark limb only and in the published discussions for 1943 to 1947 his procedure was followed by tabulating, for individual lunations, only the solutions including disappearances at the dark limb. In each year an appreciable number of observations had been received for reappearances at the dark limb and also some for disappearances and reappearances of bright stars at the bright limb; solutions were made including all observations but merely the final results for the year were published in the discussions. To complete the record, the results for individual lunations for all observations are tabulated here. Under the table for each year is given the probable error of a single observation for a normal distribution and these values have been used to compute the probable errors in the tables, in exactly the same way as was done for the solutions confined to disappearances at the dark limb only. The distribution is not normal but is similar to that for the restricted observations as described in the annual discussions.

REDUCED OBSERVATIONS OF LUNAR OCCULTATIONS

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Solutions including all observations

Lun.	n	δL	p.e.	δB	p.e.	Lun.	n	δL	p.e.	δB	p.e.
1943						1944					
248	57	+0°30	±0°10	-0°29	±0°14	260	76	0°00	±0°08	-0°05	±0°12
249	74	+0°02	°08	-0°38	°12	261	91	+0°14	°07	-0°08	°11
250	101	+0°05	°07	-0°18	°13	262	47	-0°40	°10	-0°02	°17
251	63	+0°15	°10	-0°13	°11	263	45	-0°03	°10	-0°37	°17
252	39	+0°70	°11	-0°38	°18	264	69	+0°03	°08	-1°01	°14
253	38	+0°33	°11	-1°51	°21	265	58	-0°21	°09	-0°49	°16
254	68	-0°06	°08	-1°27	°16	266	45	+0°01	°10	-0°28	°19
255	46	-0°27	°10	-0°60	°15	267	55	-0°33	°09	-0°77	°14
256	54	+0°56	°09	-0°87	°14	268	36	-0°12	°13	-0°46	°16
257	61	+0°43	°08	-0°66	°14	269	47	-0°38	°10	+0°02	°15
258	59	-0°18	°09	-0°45	°14	270	47	-0°15	°10	+0°27	°15
259	54	+0°37	°10	-0°43	°12	271	49	-0°23	°10	-0°42	°14
						272	36	+0°17	°11	-0°78	°17
248-259	714	+0°14		-0°50		260-272	701	-0°09		-0°32	
p.e. of a single observation 0°57						p.e. of a single observation 0°56					
1945						1946					
273	49	-0°07	±0°10	-0°91	±0°16	285	78	-0°47	±0°08	-0°35	±0°11
274	109	-0°31	°06	-0°65	°12	286	83	-0°69	°07	-0°44	°12
275	74	-0°16	°08	-0°90	°14	287	64	-0°44	°09	-0°62	°13
276	112	-0°57	°07	-1°37	°10	288	55	-0°86	°10	-1°24	°14
277	53	-0°83	°11	-2°02	°13	289	53	-0°93	°11	-0°92	°12
278	38	-0°72	°11	-1°45	°18	290	52	-1°28	°10	-1°04	°16
279	35	-0°24	°14	-0°58	°14	291	108	-0°83	°07	-0°76	°09
280	61	-0°71	°09	-0°26	°15	292	59	-0°44	°09	-1°21	°13
281	67	-0°74	°08	-0°02	°16	293	67	-0°56	°09	-0°87	°13
282	56	-1°17	°10	-0°28	°14	294	51	-0°87	°10	-0°32	°17
283	29	-0°80	°14	+0°07	°23	295	81	-1°14	°08	+0°66	°11
284	46	-0°45	°12	+0°10	°16	296	82	-1°04	°08	+0°46	°12
273-284	729	-0°50		-0°81		285-296	833	-0°75		-0°56	
p.e. of a single observation 0°59						p.e. of a single observation 0°57					

REDUCED OBSERVATIONS OF LUNAR OCCULTATIONS

Lun.	n	δL	p.e.	δB	p.e.
1947					
297	40	$-0^{\circ}72$	$\pm 0^{\circ}11$	$-0^{\circ}41$	$\pm 0^{\circ}16$
298	106	$-0^{\circ}55$	$\cdot 06$	$-0^{\circ}46$	$\cdot 11$
299	118	$-0^{\circ}73$	$\cdot 06$	$-0^{\circ}31$	$\cdot 09$
300	62	$-0^{\circ}74$	$\cdot 09$	$-0^{\circ}78$	$\cdot 12$
301	85	$-0^{\circ}73$	$\cdot 08$	$-0^{\circ}46$	$\cdot 11$
302	67	$-0^{\circ}99$	$\cdot 08$	$-0^{\circ}79$	$\cdot 16$
303	46	$-0^{\circ}81$	$\cdot 11$	$-2^{\circ}15$	$\cdot 17$
304	75	$-0^{\circ}89$	$\cdot 08$	$-1^{\circ}27$	$\cdot 11$
305	51	$-1^{\circ}06$	$\cdot 10$	$-0^{\circ}14$	$\cdot 13$
306	60	$-0^{\circ}82$	$\cdot 09$	$-0^{\circ}27$	$\cdot 14$
307	78	$-0^{\circ}85$	$\cdot 09$	$-0^{\circ}37$	$\cdot 11$
308	84	$-1^{\circ}24$	$\cdot 09$	$+0^{\circ}03$	$\cdot 10$
309	59	$-0^{\circ}84$	$\cdot 09$	$+0^{\circ}92$	$\cdot 16$
297-309	931	$-0^{\circ}80$		$-0^{\circ}47$	

p.e. of a single observation $0^{\circ}57$

The final results obtained for the five years are:

Disappearances at Dark Limb					All Phases			
Mean Epoch	δL	p.e.	δB	p.e.	δL	p.e.	δB	p.e.
	"	"	"	"	"	"	"	"
1943.50	$+0^{\circ}26$	$\pm 0^{\circ}028$	$-0^{\circ}65$	$\pm 0^{\circ}043$	$+0^{\circ}18$	$\pm 0^{\circ}027$	$-0^{\circ}60$	$\pm 0^{\circ}043$
1944.50	$-0^{\circ}11$	$\cdot 029$	$-0^{\circ}44$	$\cdot 044$	$-0^{\circ}15$	$\cdot 027$	$-0^{\circ}34$	$\cdot 042$
1945.50	$-0^{\circ}55$	$\cdot 033$	$-0^{\circ}75$	$\cdot 050$	$-0^{\circ}59$	$\cdot 030$	$-0^{\circ}69$	$\cdot 044$
1946.50	$-0^{\circ}76$	$\cdot 027$	$-0^{\circ}73$	$\cdot 040$	$-0^{\circ}80$	$\cdot 026$	$-0^{\circ}55$	$\cdot 037$
1947.50	$-0^{\circ}84$	$\cdot 028$	$-0^{\circ}55$	$\cdot 040$	$-0^{\circ}84$	$\cdot 024$	$-0^{\circ}50$	$\cdot 036$

Most of the additional observations included in the solutions for all phases were reappearances at the dark limb. For 1943 to 1947 the numbers of observations included for the RD, DB and RB phases were 530, 92 and 35 respectively and the numbers rejected 17, 19 and 6. A much higher proportion of bright limb observations was thus rejected.

For the RD and DB phases the values of the probable errors of a single observation are given in the following table:

Probable errors of a single observation						
	1943	1944	1945	1946	1947	1943-1947
Reappearances at the dark limb						
n	93	89	85	129	134	530
p.e.	$0^{\circ}73$	$0^{\circ}65$	$0^{\circ}63$	$0^{\circ}64$	$0^{\circ}56$	$0^{\circ}63$
Disappearances at the bright limb						
n	20	15	13	16	28	92
p.e.	$0^{\circ}69$	$0^{\circ}75$	$0^{\circ}70$	$0^{\circ}89$	$0^{\circ}88$	$0^{\circ}76$

These probable errors have been calculated on the assumption that the distribution is normal which is not so; there tends to be an excess of positive residuals for these phases. Twenty-nine of the thirty-five residuals for the RB phase are positive as were also those of the six rejected observations. The times of observations of the RB phase thus tend to be too late, as might be expected.

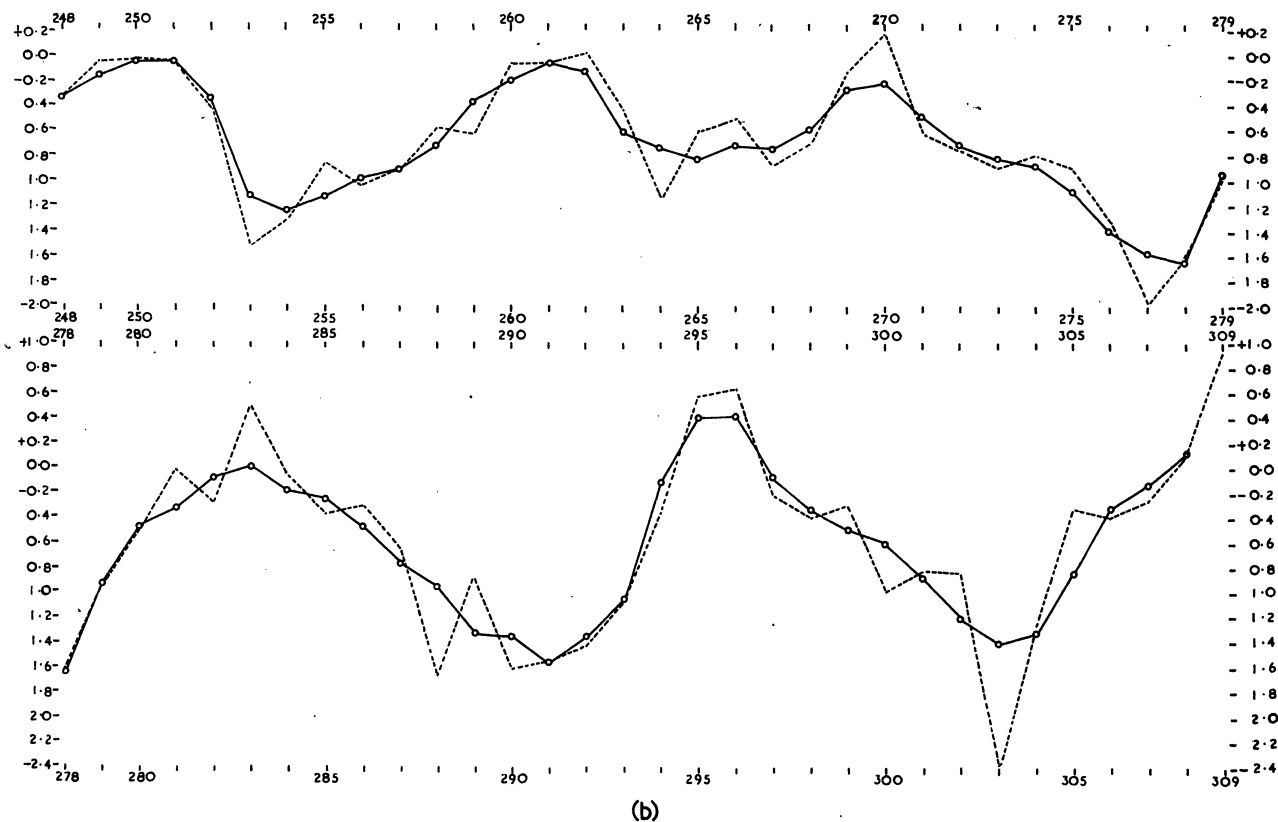
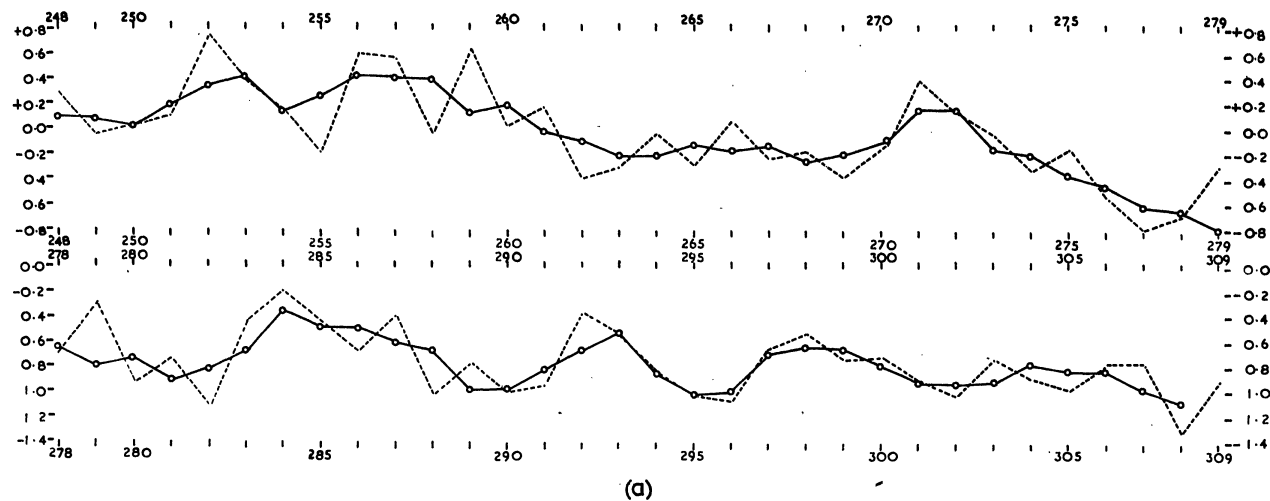
It would, however, be dangerous to draw any conclusions as to the relative accuracy of the observations of different phases at this stage as they are distributed so irregularly in and among the lunations. The numbers of observations of the RD, DB and RB phases in a lunation vary from 0 to 24, 0 to 7 and 0 to 4 respectively. When there are several observations of one phase in a lunation, particularly in the case of DB and RB phases, only one or two stars are usually involved and often at stations very close together. Corrections for limb error will probably reduce the effect of close stations but to obtain more reliable values of the probable errors of the different phases, more observations, more uniformly distributed would be required.

The deviations of the Moon from its tabular mean longitude and from its tabular latitude are shown in the accompanying figures; disappearances at the dark limb only are included. Open circles represent running quarterly solutions and the dotted line results for individual lunations. The figure showing the deviations from the tabular mean longitude has already been published in sections in the annual discussions. There is no obvious periodic term present in the longitude but an approximately annual one appears in the latitude. It is not proposed to make any detailed analysis of these results which should be considered as preliminary only, pending the application of corrections for limb error.

References

For the convenience of those wishing to refer to the discussions of occultations since the introduction of Brown's *Tables of the Motion of the Moon*, a list of references to such discussions, published since 1927, is given overleaf. References are also given to some related papers.

REDUCED OBSERVATIONS OF LUNAR OCCULTATIONS



Figures. Observed deviations of the Moon from its tabular position, (a) mean longitude, (b) latitude, derived from occultation observations for 1943 to 1947. Open circles represent running quarterly solutions and the dotted lines results for individual lunations.

Discussions

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