SECOND

ARMAGH CATALOGUE

OF

3300 Stars

FOR

THE EPOCH 1875,

DEDUCED FROM OBSERVATIONS MADE AT THE

ARMAGH OBSERVATORY

DURING THE YEARS 1859 TO 1883,

UNDER THE DIRECTION OF THE LATE

T. R. ROBINSON, D.D., F.R.S.,

Astronomer of the Observatory,

AND PREPARED FOR PUBLICATION BY HIS SUCCESSOR

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INTRODUCTION.

THE Armagh Observatory was founded and endowed in 1791 by Richard Robinson, Lord Rokeby, Archbishop of Armagh, and established under an Act of the Irish Parliament (31st George III. cap. 46). A pamphlet entitled "An Historical Account of the Armagh Observatory," printed in 1883, gives full information of the endowments of the institution, and of the work done to the end of the year 1882.

At first the Observatory possessed very few instruments, the principal one being an Equatoreal by Troughton. With this the first astronomer, the Rev. J. A. Hamilton, determined the Declinations of 37 Standard Stars, and the results were incorporated in Mr. Pond's celebrated paper in the Phil. Trans. for 1806. Otherwise, very little work of any value was done until the Rev. John Thomas Romney Robinson was appointed Astronomer in 1823. A few years afterwards the Primate, Lord John George Beresford, at his own expense enlarged the Observatory and provided a Transit Instrument and a Mural Circle, both by Jones, and a 15-inch Equatoreal Reflector by Thomas Grubb. These instruments were mounted respectively in 1827, 1832 and 1835. From 1828 to 1854 a series of observations was taken with the two former, principally in order to re-determine the positions of Bradley's stars, and the results were given in the work "Places of 5,345 stars observed from 1828 to 1854 at the Armagh Observatory" (Dublin, 1859), commonly known as the Armagh Catalogue.

After the completion of the observations of Bradley's stars, Dr. Robinson formed the plan of re-observing a number of the stars occurring in Baily's Catalogue from Lalande's Histoire Céleste. For this he considered the $3\frac{3}{4}$-inch object glasses of the Transit Instrument and the Mural Circle to be too small, while he also recognised the advantage of having both Right Ascension and Declination observed simultaneously with one instrument. The observations had been commenced in 1859, but as Lord John George Beresford with his usual liberality provided the necessary means for altering the Mural Circle, the work was stopped at the end of 1860. The late Mr. Thomas Grubb furnished the instrument with a new telescope of seven inches

aperture, and with two small collimators. These were put up in 1862, and various minor alterations, which will be described further on, were finished early in 1863. In the meantime, an extensive working list of Lalande stars had been prepared, in which a number of stars were included, of which only one co-ordinate was given in the Armagh Catalogue. Advantage had also been taken of the enforced leisure to compute the constants for reduction to mean place for a great number of these stars for the year 1870.*

The observations were resumed in April, 1863, but partly because it was soon found necessary to provide a new cell for the object glass, partly owing to the increasing age and failing sight of Dr. Robinson, and the illness of the assistant, Mr. Edmondson (who died in July, 1864), they did not progress very regularly until the Rev. W. H. Rambaut had been appointed Assistant in August, 1864. Since then, they have been regularly continued (except that the anemometer experiments in 1876–80 caused several long interruptions) until the last were made in December, 1883.

Dr. Robinson died on the 28th February, 1882, and a few months afterwards I was appointed his successor and assumed the direction of the Observatory on the 12th June. I was, however, unable to remove to Armagh till the end of August, as repairs had to be made in the dwelling-house. The first object to engage my attention was the mass of unpublished meridian observations accumulated since 1859. Considering that the majority of the stars had in the course of late years been observed in the zones of the Astronomische Gesellschaft, while nearly all of them may be expected to appear in the forthcoming great Catalogue of the Paris Observatory, it seemed very desirable to have the Armagh results published with as little delay as possible. I, therefore, only took a sufficient number of observations to fill a few gaps here and there, and to make myself familiar with the instrument. A selection from the results obtained in the years 1869–76 had been published by Dr. Robinson in 1879, in the Trans. Royal Dublin Society in the form of a catalogue of one thousand stars for 1870. As only a small number of copies of this publication had been procured for distribution, and there were unpublished observations of many of these thousand stars, it seemed desirable to include them all in the proposed new catalogue, so that this

* Whenever it was afterwards found that Baily's places were considerably in error, the constants were re-computed. Reduction tables (similar to Mr. Stone's) prepared by Dr. Robinson many years ago, were employed.

and the catalogue of 1859 would contain a complete record of the meridian work done here since 1827. An application was successfully made to the Government Grant Committee of the Royal Society for the means of printing the Second Armagh Catalogue.

In addition to the results obtained since 1859, the present volume contains a few observations made in the years 1855–58, when the large amount of reductions to be made prevented much observing being done. Up to the end of 1860 the observations were made by Mr. Edmondson (R.A.), and Mr. W. H. Rambaut (N.P.D.), in 1863 by Dr. Robinson, from August, 1864, to July, 1868, by the Rev. W. H. Rambaut, and from November, 1868, to the beginning of 1882 by the Rev. Charles Faris. After September, 1882, most of the observations were made by myself. The current reductions were generally made by the respective observers. Great credit is due to Mr. Faris for his perseverance and care in taking the observations during more than thirteen years, and for the energy with which he during this period performed the large amount of reductions incidental to this kind of work. The examination and putting together of the results, the reduction to 1875·0 and formation of the catalogue, as well as the investigation of Proper Motions and of systematic errors have been done by myself.

Having given this short account of how the present catalogue originated, I proceed to describe in detail the instrument and observations.

The Instrument and the Method of observing.

The Mural Circle was fully described in Vol. IX. of the Memoirs of the Royal Astronomical Society. Referring for details to this paper and to the Introduction to the Armagh Catalogue, it may be of use to repeat the following particulars here. The circle is 56 inches in diameter and is divided on the inner face to 5′. The divisions are cut in a slip of metal (an alloy of gold and silver). There is a coarse graduation on the edge of the circle for setting. The axis of the circle is 36 inches long and has two pivots, the one next the circle is of 6·5 inches diameter, the other of 2·5 inches diameter, both are three inches long. It rests on Y's with an angle of 60°, attached to a strong cast-iron cradle which can be adjusted in level and azimuth. The axis is hollow and the axis of the telescope passes through it and is secured by a nut. The telescope is clamped to the circle at both ends. Between the circle and the pier a thin disc of copper, of slightly shorter

diameter than the circle, is attached to the axis; it serves for clamping and for revolving the instrument quickly by means of a pinion working in teeth perpendicular to the surface of the disc. The clamps originally furnished by Jones (four in number) act on the edge of the copper disc, they are only used for reflex observations, as a fifth and better one was afterwards provided. This gives fine motion in a somewhat similar manner as is employed in modern transit circles, by the push of a fine screw. The friction wheels are placed between the circle and the copper disc, they are carried by a light framework suspended from a lever on the top of the pier which at the other end carries a heavy counterpoise. The circle can be removed from the pier by taking off the telescope and passing a long iron rod through the hollow axis. This rod is supported on a light but strong carriage of iron which moves on three wheels. About every four or five years the instrument has been taken off the pier and cleaned and oiled. The pivots show evident signs of wear, but I have had no means of testing their figure.

The four original microscopes have been used during the present series of observations, while the use of the additional eight ones has been discontinued.* They are unusually long (24 inches), and their object-glasses and eye-pieces are separately attached to the pier and only connected by a loose sliding tube. The object of this arrangement, viz, to ensure permanency of the run of the microscope screws, has been fully attained, and the microscopes have been so adjusted as to make it unnecessary to apply any correction for error of run to the mean of the four microscope readings. The setting has always been done on the nearest division line. The spider lines in the microscopes form crosses with an angle of about 40°.

The telescope attached to the circle up to the end of 1860 was of $3\frac{3}{4}$ inches aperture and 63 inches focus. It has since been attached to a portable equatoreal stand. The object-glass is one of those described in Dr. Robinson's paper on the Melbourne telescope (Phil. Trans. 1869). The new telescope had to be of nearly the same focal length as the old one (it is only five inches longer), but the object-glass has a clear aperture of seven inches and is of very peculiar construction. It consists of four lenses, a crown and a heavy flint cemented together, and a light flint and a crown lens also cemented. The definition and light are very

* The object in attaching them to the instrument is stated in the Armagh Catalogue, pp. xxiv-xxvii. The results found with them seem to throw light on the strange parallaxes found by Brinkley with the great Ramsden Circle at Dunsink.

good. Advantage has, however, not been taken of the large aperture to observe very faint stars, as there is no way of illuminating the wires in a dark field. The bright field illumination is produced by means of a small reflector of 0·4 in. diameter carried by a thin arm attached to the cover of one of the apertures through which the collimators can be pointed to each other. The same gas lamp as formerly is employed and the intensity of the light can be modified by coloured glasses. A diagonal eye-piece is used. There are eleven wires, but only the five central ones have been used, they are about $3^s{\cdot}0$ distant *inter se*. There is one fixed and one movable horizontal wire, but the latter has rarely been used. The setting in polar distance was done immediately after the transits over the five wires had been taken, a correction for curvature being applied whenever necessary. As the new telescope was eighty pounds heavier than the old one, the counterpoise lever was lengthened and an additional weight added, so as to keep the centre of gravity in the plane of the friction wheels. Measures were taken to keep the cradle of the axis steady while the circle is turned, and to prevent the clamps from exerting any lateral force which might disturb the azimuth or inclination of the axis. The instrumental adjustments appear to be very permanent.

When the instrument was first erected it was noticed in the summer of 1863, that if the object end of the telescope was lowered to the Nadir from the south the "index error" obtained was available south of the zenith (polar distances found with it agreeing with other determinations), but if it was lowered from the north the error was as much as 4″ less, but availed north of the zenith. The cause was at once found; in the cold weather the brass cells of the O. G. fitted the lenses tightly, but their expansion in warmer weather gave the lenses play to shift by their own weight. Mr. Grubb remedied this by substituting cast-iron cells and supporting the lenses on three equidistant bearings, two fixed at 60° east and west of the meridian, the third movable, and pressed inwards by a spring, whose tension is a little more than the weight of the glass. These changes at once reduced the above mentioned difference from 4″ to 0″·07 and no trouble has since been experienced from this cause.

The collimation is found by means of two small collimators of 1·06 in. aperture and 12 in. focal length, mounted about six feet north and south of the centre of the instrument on cast-iron pillars bolted to isolated piers. The telescope is placed vertical and two small apertures in the centre of it are uncovered, through which the collimators are pointed to each other. The error of collima-

tion is extremely permanent. The collimators have also been used for determining the horizontal flexure of the telescope; in 1864 itwas found by fifteen angles = 0″·11. This small value is no doubt due to the shortness and large diameter of the tube as well as to the circumstance that it is clamped at each end to the circle, the framing of which is very strong. No correction for flexure has therefore been applied.

For determining the errors of azimuth and inclination of the axis of the circle, Dr. Robinson adopted a peculiar but simple contrivance. In place of the eye-piece a small draw tube is inserted, containing a double image prism and carrying a small divided circle which reads 90° when the spider lines appear single. When the telescope is directed to the basin of mercury placed below it, both the centre wire and its reflected image are seen double. The prism is now turned until only three images are seen, when the distance between the direct and reflected image is proportional to cosine of the angle through which the prism has been turned. The inclination has been thus determined on every night of observation and the "index error" or Nadir point of the circle at the same time and in the usual manner. Both were very permanent and never subject to sudden variations. When observations were taken on several nights within a week, the mean of the "index errors" thus found has generally been used in preference to the single results.

The error of azimuth has been measured by means of the same apparatus from a meridian mark, 8,000 feet to the north of the Observatory. This consists of an obelisk of cast-iron, the pyramidal summit of which has inside it an adjustable cast-iron plate, with a small opening in the shape of a rhombus. The azimuth has been measured from this mark before sunset, and the azimuth of the mark was from time to time checked by observations of close circumpolar stars. It would doubtless have been better to have discarded the use of this meridian mark altogether, and to have depended solely on transits of circumpolar stars (as was done from September, 1882), but as the instrument appears to have been very steady in azimuth, I do not consider it likely that sensible errors in the results can have been introduced by the use of the meridian mark.

For the registration of the transits Dr. Robinson presented to the Observatory a Chronograph by Knoblich, in all respects similar to the one described in Vol. 49 of the Astron. Nachrichten. The drum is eleven inches long, and four and three quarter inches in diameter, it revolves in two minutes, so that one-eighth of an inch represents a second of time. It is connected by a

contact maker of Krille's form, with a clock by Earnshaw.* It was, however, found that the conical pendulum of its clockwork regulated it very badly, and the chronograph was never used until the end of 1868, when Mr. Howard Grubb had improved it by substituting for the pendulum a governor similar to those he applies to the driving clocks of his equatoreals. The records are made by diamond points on glazed paper, blackened with a kind of Indian ink supplied by Knoblich. The chronograph has been in incessant use since January, 1869, and has always performed well.

The Right Ascensions of the present Catalogue depend on the Standard Stars of the Nautical Almanac, four or five of which were observed on each night. These were not taken in Polar Distance, the Nadir being observed every night. The Latitude adopted is 54° 21′ 12″·70. The division errors of the Circle were taken from a table made from Dr. Robinson's investigation many years ago, as described in Vol. IX. of the Memoirs R.A.S.

The Refraction tables used are those of Dr. Robinson, printed on pp. 834–835 of the Armagh Catalogue, the details of their construction being given in the Transactions of the Royal Irish Academy, Vol. XIX. Within the limit of this Catalogue (Zen. Dist. 83°), these refractions may be considered identical with those of the Tabulæ Regiomontanæ. The barometer was the same as formerly used. The Troughton thermometer was in 1859 replaced by a Kew Standard.

The Arrangement of the Catalogue.

The places of stars in the present Catalogue have been reduced to the epoch 1875·0. Though the mean epoch of observation is probably a couple of years earlier, 1875 seemed the most suitable epoch, as it will be adopted in the Zone Catalogues of the Astronomische Gesellschaft, and has already been used in several other Catalogues. In reducing to 1875 the Proper Motion was *never* taken into account.

As the magnitudes had rarely been noted by the observers, I have taken them from the Durchmusterung for all stars north of 92° N.P.D. For southern stars I have generally followed Bessel and Argelander.

The precessions were computed for 1875, with Struve's constant.

* This is not the clock to which Dr. Robinson applied the barometric compensation (Mem. R.A.S. Vol. v., and Armagh Cat., p. xviii.) It has a gridiron pendulum, and its rate is very regular.

In the column "Authorities," will be found references to nearly all modern star catalogues of importance. Owing to the limited space catalogues earlier than 1825 (Bradley, Piazzi, d'Agelet, Groombridge), have been omitted; also the valuable catalogue by Copeland and Börgen of stars in the zone 90°–92°, as *all* our stars within this zone occur in the Göttingen Catalogue. Of southern Catalogues, only the Cape Catalogues for 1860 and 1880 were searched (that for 1850 was received too late). I trust the references will be found fairly complete, as no pains have been spared to make them so, but it is very probable that some stars may have been overlooked, among so great a number.

The following is a list of the abbreviations employed. They are generally the same as Argelander's—

Weisse's first and second Cat.,	W	
Argelander, Cat. Aboensis,	CA	
Struve's Positiones Mediæ,	PM	
Taylor,	T	
Rümker (the Nachträge without numbers),	R	
Armagh Cat.,	Ar	
Santini 0° to + 10° (Mem. R.A.S., XII.),	Si_1	without number
Santini 0° to − 10°,	Si_2	without number
Oeltzen's northern and southern Cat.,	Oe	
Rümker, Neue Folge,	R_2	
Taylor's Subsid. Cat.	T_2	without number
Greenwich, 12 year Cat.	12 yr.	
,, 6 year Cat.	6 yr.	
Radcliffe Catalogue,	RC	
Bonner Beobachtungen, Bd. VI.	Bn	without number
Greenwich, 7 year Cat.	7 yr.	
,, New 7 year Cat.	N 7 yr.	
Second Radcliffe Cat.	RC_2	
Santini—10° to − 12° 30′,	Si_3	
,, − 12° 30′ to − 15°,	Si_4	
,, 0° to − 3°,	Si_5	
Schjellerup,	Sp	
Lamont + 3° to − 3°,	L_1	
,, + 3° to + 9°,	L_2	
,, − 3° to − 9°,	L_3	
,, + 9° to + 15°,	L_4	
,, − 9° to − 15°,	L_5	
,, n. of +15 and s. of − 15°,	L_6	without number
Yarnall,	Y	
Cape, 1860,	St_1	
Greenwich, 9 year Cat.,	9 yr.	
Glasgow Cat.	Gl	
Stone, 1880,	St	
Becker, 521 Bradley'sche Sterne,	B	

The "Notes" at the end of the volume contain references for which there was no room in the body of the Catalogue, remarks

about Proper Motion, &c. I have added a list of corrigenda in the first Armagh Catalogue, some taken from Dr. Robinson's notes in the Astr. Nachr. Nos. 1421 and 1514, others found in Bonner Beob. Vol. VII. or casually detected by me during the preparation of this volume.

The Accuracy of the Results.

The first step towards forming an idea of the accuracy of the observations made with the improved Mural Circle is to compute the probable error of one observation in R.A. and N.P.D. From 400 observations of 80 stars between 30° and 100° N.P.D. this was found to be

$$\pm 0^{s}\cdot 081 \text{ and } \pm 0''\cdot 85.$$

The single errors in R. A. were multiplied with cos δ.

Considering the circumstance, that by far the greater part of the Right Ascensions of the present Catalogue were observed with an instrument, which by its maker was only intended for observations of Polar Distances, I thought it desirable to make a complete comparison between this Catalogue and some other extensive modern Catalogue of Stars. For this purpose, the valuable Catalogue of 6,415 Stars observed at the Glasgow Observatory seemed peculiarly suitable, not only because it was deduced from observations made nearly at the same time as the Armagh Observations (1860–81) and depended in R.A. on the same Standard Stars (the Nautical Almanac), but also because it has already been rigorously compared by Professor Auwers with his Fundamental Catalogue (V. J. S. XIX. p. 195). The Glasgow and Armagh Catalogues have 549 stars in common. After leaving out ten stars which differed too much (163, 1107, 1140, 1160, 1210, 1294, 1300, 2186, 2544, 3022, most of which were only observed once here) there remained 519 Right Ascensions and 539 Polar distances. Taking Proper Motion into account wherever it was known, and arranging the differences according to N.P.D. in groups of 10° north of 75° and in groups of 5° south of 75°, the following table of mean difference was formed:—

GLASGOW—ARMAGH.

N.P.D.	$\Delta\alpha$.	Stars.	N.P.D.	ΔP.D.	Stars.
45°·1	+0ˢ·141	14	44°·9	+0″·31	13
55·0	+0·106	7	54·7	−0·32	8
65·0	+0·021	20	64·9	+0·41	21
73·6	+0·021	14	73·4	+0·84	17
77·6	−0·034	121	77·6	−0·21	125
82·2	−0·002	117	82·2	−0·13	120
87·4	−0·020	111	87·4	−0·42	115
92·4	−0·080	104	92·5	−0·26	107
97·8	−0·108	11	98·1	−1·69	13

The stars are not as well distributed in N.P.D. as might have been wished, still the mean differences seem well established, even in the smaller N.P.D.s. There are no stars north of 39° nor south of 102°. Plotting these mean differences on cross-ruled paper, and drawing curves through the points, a new table was produced, by means of which the catalogue was re-examined for the detection of periodic errors. Subtracting from each of the original differences the tabular difference for the corresponding N.P.D., I found for the single hours of R.A. :—

$0^h{\cdot}5$	$+0^s{\cdot}013$	10 St.	$-0''{\cdot}06$	10 St.
1·7	+0·011	8	+0·72	10
2·5	+0·029	14	+0·16	14
3·3	−0·012	11	+0·15	11
4·6	+0·009	10	−0·66	10
5·5	−0·046	16	+0·19	19
6·7	−0·080	15	−0·01	15
7·5	−0·135	13	−0·03	13
8·5	−0·038	21	−0·26	21
9·5	+0·002	16	−0·55	17
10·5	+0·020	29	+0·42	29
11·6	+0·062	15	+0·52	16
12·5	+0·008	24	+0·01	26
13·4	−0·017	22	+0·42	24
14·4	0·000	22	+0·22	23
15·4	−0·010	32	+0·09	32
16·5	−0·010	33	+0·46	34
17·5	−0·002	22	+0·11	24
18·7	+0·015	20	+0·19	20
19·3	−0·024	28	−0·35	28
20·4	+0·012	37	−0·19	38
21·5	+0·003	35	−0·30	36
22·5	+0·066	36	+0·37	38
23·4	+0·024	30	−0·66	31

Drawing a curve through points representing these values, the following table of $\Delta\alpha_\alpha$ and ΔPD_α was found. Subtracting again these tabular values from the original differences, arranging the results according to N.P.D. and drawing the curves anew, the table of $\Delta\alpha_{PD}$ and ΔPD_{PD} was found.

Glasgow minus Sec. Armagh Cat.

	$\Delta\alpha_{PD}$	ΔPD_{PD}
45°	$+0^s{\cdot}145$	$-0''{\cdot}13$
50	+0·110	−0·11
55	+0·080	0·00
60	+0·052	+0·20
65	+0·030	+0·35
70	+0·010	+0·40
75	−0·008	+0·18
80	−0·016	−0·21
85	−0·025	−0·30
90	−0·048	−0·40
95	−0·095	−0·95
100	−0·165	−1·75

	$\Delta\alpha\alpha$.	$\Delta PD\alpha$.		$\Delta\alpha\alpha$.	$\Delta PD\alpha$.
$0^h{\cdot}0$	$+0^s{\cdot}023$	$+0''{\cdot}25$	$12^h{\cdot}0$	$+0^s{\cdot}040$	$+0''{\cdot}38$
1	+0·016	0+·35	13	+0·009	+0·30
2	+0·021	0+·38	14	−0·010	+0·23
3	+0·016	0+·12	15	−0·012	+0·22
4	−0·010	−0·12	16	−0·011	+0·27
5	−0·040	−0·10	17	−0·010	+0·29
6	−0·073	+0·05	18	−0·008	+0·17
7	−0·105	0·00	19	−0·004	−0·07
8	−0·075	−0·15	20	0·000	−0·26
9	−0·025	−0·40	21	+0·008	−0·22
10	+0·013	−0·15	22	+0·027	−0·03
11	+0·045	+0·26	23	+0·038	+0·12

The Polar Distances of the two Catalogues are quite independent of each other, in both cases being referred to the Nadir. The Right Ascensions of both Catalogues depend on the Nautical Almanac, but during the period embraced by the Armagh observations, the N. A. system of star places has been twice changed, in 1871 and in 1880. The Glasgow RAs agree closely with the system used from 1871 to 1879 (seven year Cat.) and are not affected by the change of system in 1880, while the Armagh RAs, though the majority depend on the system 1871–79, are also much influenced by the systems used before 1871 and from 1880 to 1883. It was therefore *a priori* not to be expected that they should show no sensible deviation from the Glasgow RAs, but it is very remarkable that it is chiefly in the hours observed in mid-winter (6^h–8^h) that the differences reach a large quantity. It was found by Dr. Gill, (Mem. R.A.S. XLVI. p. 80) that for observations made with the chronograph the Right Ascensions of faint stars are too great, while for eye and ear observations (as those made in Glasgow were) no such error appears, and it is at least *conceivable* that in cold weather an observer might take longer time to press the key than he would require in warmer weather. Another possible cause of error is, that the meridian mark, by which the azimuth of the Armagh instrument has been determined, is situated to the north of the Observatory, in the open country, without any dwelling-houses intervening with hot air, while the great number of chimneys to the south-west and partly to the south of the Observatory owing to the prevailing westerly winds must produce something like lateral refraction, which of course must reach a maximum on winter evenings when the chimneys are hardest at work. Possibly the azimuth found by looking northwards was therefore not strictly applicable south of the zenith, and an error might have been introduced in this way.

With regard to the terms of $\Delta\alpha$ depending on N.P.D., their change of sign and rapid increase with the declination seem to

me likely to arise from defects in the pivots or in the collimation which would naturally show themselves in this way, as the mean N.P.D. of the Standard Stars employed (75°), falls very near the place where the change of sign occurs. It should be remembered that the collimation can only be determined with the telescope horizontal, and the inclination with the telescope vertical, and if we add to this the non-reversible and one-sided form of the instrument we have plenty of possible causes by which to explain the errors depending on N.P.D.

Combining the above tables with those deduced by Professor Auwers for the Glasgow Catalogue we get:—

Reduction of Second Armagh Catalogue to Auwers' Fundamental System:

	$\Delta\alpha_{PD.}$	$\Delta PD_{PD.}$
45°	+0ˢ·179	+0″·45
50	+0·131	+0·28
55	+0·084	+0·09
60	+0·041	+0·08
65	+0·014	+0·17
70	+0·004	+0·32
75	+0·003	+0·21
80	+0·011	−0·17
85	+0·018	−0·23
90	+0·014	−0·13
95	−0·010	−0·25
100	−0·049	−0·53

	$\Delta\alpha_\alpha$	ΔPD_α		$\Delta\alpha_\alpha$	ΔPD_α
0ʰ·0	+0ˢ·040	+0″·49	12ʰ·0	+0ˢ·030	+0″·01
1	+0·031	+0·58	13	0·000	−0·10
2	+0·033	+0·57	14	−0·015	−0·18
3	+0·021	+0·27	15	−0·012	−0·18
4	−0·013	−0·04	16	−0·004	−0·10
5	−0·052	−0·09	17	+0·004	−0·02
6	−0·089	−0·01	18	+0·010	−0·03
7	−0·121	−0·13	19	+0·016	−0·16
8	−0·088	−0·33	20	+0·020	−0·25
9	−0·034	−0·64	21	+0·028	−0·12
10	+0·004	−0·44	22	+0·046	+0·14
11	+0·035	−0·07	23	+0·056	+0·33

The Polar Distances appear on the whole to be much more satisfactory than the Right Ascensions.

With the completion of this Catalogue the meridian observations, which hitherto have formed the principal astronomical work at the Armagh Observatory, have been discontinued, at least for the present. In response to an application from the Governors to grant some compensation to the Observatory for the various

losses it had sustained through recent legislation, Her Majesty's Government two years ago made a grant to the institution of £2,000. Part of this sum was expended on an Equatoreal Refractor of 10 inches aperture by Mr. Grubb, and so long as only the present antiquated meridian instruments are available, the activity of the Observatory will be directed to work with the new instrument only. The observations on which this publication is founded have been made at a time when every successive step of reform legislation in Ireland has had the effect of diminishing the resources of the Observatory, and whatever be the shortcomings of the work, I trust it will show that the devotion to science which (to use an expression of Dr. Robinson's) has raised the Observatory to "rank among the best national institutions, without costing the nation one penny," has remained unabated notwithstanding the troubles of the times.

J. L. E. DREYER.

Armagh Observatory,
April 27, 1886.

THE SECOND

ARMAGH CATALOGUE

OF STARS,

FOR THE EPOCH 1875.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Precess.
1	47264	7·2	$0^h\ 0^m\ 9^s{\cdot}98$	75·51	3	$+3^s{\cdot}073$
2	47280	6·0	0 0 54·93	64·79	1	3·071
3	47287	6·9	0 1 8·94	78·03	5	3·076
4	47289	7·6	0 1 9·25	64·75	1	3·081
5	47307	7·7	0 1 24·14	74·97	1	3·078
6	47318	6·0	0 1 54·27	64·76	1	3·070
7	47347	7·0	0 2 33·63	73·73	2	3·080
8	47352	8·0	0 2 47·94	77·79	1	3·079
9	47374	8·0	0 3 30·98	82·88	1	3·071
10	47384	7·3	0 3 38·96	75·92	5	3·082
11	2	6·7	0 3 57·10	72·56	4	3·107
12	10	7·3	0 4 4·94	70·87	4	3·086
13	19	6·5	0 4 18·76	79·83	3	3·066
14	32	var.	0 4 45·65	73·58	4	3·069
15	55	7·7	0 5 23·55	77·84	5	3·088
16	68	7·7	0 5 42·79	72·98	5	3·098
17	73	5·0	0 5 47·55	81·30	2	3·061
18	123	6·5	0 6 56·12	74·94	1	3·092
19	141	6·5	0 7 32·83	70·85	1	3·100
20	179	7·0	0 8 26·82	81·79	1	3·061
21	174	7·6	0 8 28·99	77·80	1	3·135
22	193	8·0	0 8 52·07	71·84	4	3·099
23	247	6·0	0 9 48·00	78·87	1	3·124
24	221	7·1	0 10 11·78	77·79	1	3·115
25	220	7·8	0 10 12·13	71·84	5	3·115
26	226	6·5	0 10 18·63	73·80	4	3·141
27	230	6·8	0 10 19·72	75·34	5	3·082
28	234	7·0	0 10 21·63	64·79	1	3·049
29	235	6·5	0 10 26·33	75·23	5	3·098
30	251	7·7	0 11 1·12	82·79	1	3·118
31	259	6·8	0 11 23·02	70·72	5	3·095
32	273	7·0	0 11 33·22	69·85	1	3·138
33	276	7·3	0 11 54·40	65·75	1	3·069
34	305	7·0	0 12 9·81	82·86	1	3·061
35	313	7·3	0 12 52·19	70·31	4	3·108
36	317	7·7	0 12 54·79	71·93	2	3·099
37	345	7·0	0 13 44·84	71·85	4	3·109
38	354	6·4	0 13 52·56	78·86	2	3·119
39	367	6·0	0 14 13·46	76·14	6	3·124
40	373	7·5	0 14 21·10	75·13	4	3·099
41	372	7·0	0 14 21·56	78·32	2	3·125
42	383	7·1	0 14 36·05	74·50	3	3·132
43	405	6·5	0 15 26·38	64·79	1	3·040
44	413	6·8	0 15 49·59	78·88	2	3·136
45	419	7·5	0 16 16·85	74·06	5	$+3{\cdot}122$

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1	62° 8′ 31″·7	72·01	5	− 20″·05	W 1305.
2	108 5 3·1	59·97	1	20·05	Oe 23248.
3	59 1 35·1	78·03	5	20·05	W 1335.
4	37 55 25·5	59·88	1	20·05	
5	51 58 21·6	69·87	2	20·05	W 1351.
6	99 31 9·0	64·76	1	20·05	W 1249, Si_2, 6yr3, 7yr2.
7	62 26 53·8	73·73	2	20·05	
8	65 24 31·5	72·30	2	20·05	W 11, Ar7.
9	93 15 23·9	82·88	1	20·05	W 23, Si_2, N7yr5, $L_3$6,
10	65 29 53·5	75·00	4	20·05	W 29. [Gl 19.
11	33 31 49·5	72·56	4	20·05	Oe 46, Bn.
12	57 33 53·5	70·87	4	20·05	W 44.
13	103 16 27·5	79·83	3	20·05	W 46, Si_4 4.
14	94 1 0·9	73·62	5	20·05	T 14, Si_2, L_4 7.
15	62 16 24·6	76·34	6	20·05	
16	50 47 38·0	72·98	5	20·05	W 104.
17	108 38 1·5	81·30	2	20·05	Oe 47, Y 54.
18	63 42 23·8	70·35	1	20·04	
19	57 29 19·2	69·30	2	20·04	W 181.
20	104 52 16·5	73·78	2	20·04	W 117, Bn.
21	38 3 20·3	68·51	3	20·04	
22	62 6 16·2	71·84	4	20·04	
23	47 5 57·6	78·87	1	20·04	W 232, RC 44.
24	54 3 50·1	73·90	2	20·03	Y. 103.
25	54 12 19·7	71·84	5	20·03	W 245, Y 104.
26	41 13 58·1	73·80	4	20·03	R 28.
27	80 27 1·5	75·42	4	20·03	W 151, Si_2, Gl 59.
28	110 54 16·9	64·79	1	20·03	Bn.
29	67 26 17·8	75·23	5	20·03	W 253, L_6.
30	54 8 37·0	82·79	1	20·03	W 266, Y 113.
31	70 28 5·1	72·34	4	20·03	W 277, $R_2$26.
32	44 28 46·9	67·78	3	20·03	Oe 187. [L_1 36, Gl 72.
33	92 42 36·5	65·75	1	20·03	W 181, T 51, Bn, Si_5 16,
34	98 44 35·7	82·86	1	20·03	W 185, Si_2.
35	64 14 23·2	72·18	3	20·02	W 309, T 57, R 40, R_2 [41.
36	70 41 39·2	71·93	2	20·02	W 311.
37	66 1 42·0	72·24	5	20·02	W 328.
38	59 45 30·7	78·86	2	20·02	W 331, R_2 54.
39	57 46 57·3	74·72	5	20·02	
40	72 12 46·0	75·13	4	20·02	W 349, R 53, Bn.
41	57 42 47·4	78·14	3	20·02	W 348.
42	54 48 52·4	73·33	4	20 01	W 357, Y 145.
43	110 45 8·0	64·79	1	20·01	Oe 136, Bn.
44	55 9 25·2	78·89	2	20·01	
45	61 14 20·3	74·06	5	− 20·00	R_2 78.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
46	421	7·0	$0^h\ 16^m\ 21^s{\cdot}69$	64·76	1	+3ˢ·146
47	427	7·0	0 16 27·51	82·87	2	3·050
48	441	7·9	0 17 1·22	72·34	4	3·159
49	437	7·5	0 17 4·91	76·17	3	3·247
50	484	7·2	0 18 23·74	72·97	5	3·186
51	495	7·0	0 18 30·			3·035
52	499	7·0	0 18 42·50	76·07	5	3·146
53	504	7·4	0 18 46·67	74·59	4	3·161
54	552	7·0	0 20 3·18	82·83	2	3·031
55	549	7·2	0 20 5·10	80·07	4	3·150
56	558	7·1	0 20 27·72	71·07	5	3·211
57	566	6·5	0 20 31·49	71·67	6	3·126
58	567	7·8	0 20 33·			3·142
59	585	6·0	0 20 58·74	64·79	1	3·013
60	583	8·0	0 20 58·95	82·87	1	3·052
61	589	7·9	0 21 14·79	70·80	2	3·136
62	599	7·0	0 21 19·			3·025
63	609	8·1	0 21 43·09	75·94	1	3·138
64	607	8·0	0 21 46·43	71·80	4	3·208
65	613	7·0	0 21 51·47	74·67	5	3·155
66	614	6·7	0 21 53·09	78·87	1	3·151
67	641	7·6	0 22 45·83	74·40	2	3·143
68	645	7·5	0 22 58·			3·132
69	655	6·0	0 23 22·30	65·73	1	3·301
70	673	7·9	0 23 52·86	79·79	2	3·157
71	686	7·8	0 24 3·35	77·80	1	3·158
72	683	6·8	0 24 9·23	71·13	4	3·271
73	690	7·3	0 24 10·74	71·17	3	3·194
74	727	7·3	0 24 58·63	74·91	3	3·126
75	742	8·1	0 25 19·74	70·35	2	3·118
76	747	6·5	0 25 35·10	76·06	4	3·173
77	761	6·8	0 25 59·46	71·45	5	3·149
78	766	7·5	0 26 5·32	77·18	3	3·135
79	765	6·5	0 26 14·28	78·85	1	3·283
80	776	7·1	0 26 25·29	80·82	2	3·114
81	788	7·2	0 26 47·56	74·64	4	3·200
82	816	8·5	0 27 24·92	65·80	1	3 124
83	849	6·6	0 28 28·41	71·62	5	3·192
84	852	7·5	0 28 40·14	72·07	5	3·291
85	865	6·5	0 28 48·96	82·87	1	3 060
86	838	7·7	0 28 49 37	75·48	2	3·189
87	880	5·8	0 29 7·81	71·85	1	3·069
88	887	7·6	0 29 19·34	78·16	3	3·121
89	884	7·2	0 29 23·57	74·01	5	3·202
90	892	6·5	0 29 26·34	74·67	4	+3·110

No.	Mean N.P D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
46	51° 56′ 25″·4	59·89	2	−20″·00	Y 161.
47	102 54 20·1	82·87	2	20·00	*See Notes.*
48	48 38 11·6	72·34	4	20·00	W 407.
49	29 43 44·8	76·17	3	20·00	Oe 291.
50	42 38 45·5	73·39	6	19·99	
51	109 9 43·0	64·74	1	19·99	Oe 168.
52	55 39 19·3	76·07	5	19·99	
53	50 51 44·7	74·44	5	19·99	
54	109 23 11·4	82·83	2	19·99	Oe 185.
55	56 30 30·7	80·07	4	19·99	[RC 98, 7yr 26, Y 199.
56	40 42 23·5	71·07	5	19·98	PM 25, Oe 362, R_2 122,
57	65 39 0·0	73·05	5	19·98	T 91.
58	59 30 55·6	64·84	1	19·98	W 494.
59	116 14 22·7	64·79	1	19·97	Oe 196, Y 202, St 158.
60	99 20 57·2	82·87	1	19·97	W 331, R_2 132.
61	62 30 4·7	67·86	2	19·97	
62	110 49 35·3	65·85	1	19·97	Oe 202, Bn, Y 206.
63	62 37 54·1	70·98	2	19·97	W 525.
64	42 57 56·2	71·80	4	19·96	Oe 380.
65	56 53 31·4	74·53	6	19·96	W 527.
66	58 15 14·7	78·87	1	19·96	
67	61 51 51·6	70·59	4	19·95	
68	65 48 28·3	67·76	1	19·95	W 554, R_2 155.
69	30 42 50·2	65·73	1	19·95	
70	58 30 50·3	79·79	2	19·95	
71	58 33 16·4	77·80	1	19·95	W 581.
72	34 59 8·8	71·05	5	19·94	
73	49 10 7·6	73·76	2	19·94	W 584.
74	69 51 40·6	74·91	3	19·94	W 609, R_2 180.
75	72 34 55·9	69·63	4	19·93	W 621, Ar 87.
76	55 41 44·8	75·64	5	19·93	
77	63 6 34·0	71·45	5	19·93	
78	67 29 52·6	77·18	3	19·93	R_2 202, L_6.
79	35 47 37·8	69·39	2	19·92	R_2 203.
80	74 31 26·4	80·84	2	19·92	W 648, R 125, R_2 205, [Gl 147.
81	50 35 4·1	74·64	4	19·92	W 656.
82	71 54 3·2	65·80	1	19·91	W 676.
83	53 51 25·1	71·83	4	19 90	W 699, PM 38, Y 264.
84	37 12 4·2	72·07	5	19·90	RC 147.
85	94 16 54·1	82·87	3	19 90	See *Notes.*
86	55 1 48·6	75·48	2	19·90	R 138, Y 267.
87	91 11 34·1	71·85	1	19·89	See *Notes.*
88	74 6 55·8	78·16	3	19·89	W 723, R 142.
89	52 26 11·3	74·01	5	19·89	Y 274.
90	77 28 34·2	74·67	4	−19·89	See *Notes.*

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch	Obs.	Ann. Prec.
91	911	7·0	$0^h\ 29^m\ 46^s{\cdot}01$	80·83	2	$+3^s{\cdot}024$
92	930	6·5	0 30 41·45	75·53	3	3·220
93	960	6·5	0 31 41·64	71·35	2	3·380
94	983	6·5	0 32 20·63	73·08	5	3·162
95	1014	7·7	0 33 7·12	64·79	1	3·311
96	1019	7·7	0 33 20·17	73·44	3	3·277
97	1045	7·0	6 33 58·60	76·01	4	3·235
98	1080	8·2	0 34 46·49	76·51	3	3·177
99	1100	7·0	0 35 30·81	70·45	5	3·266
100	1113	7·2	0 35 49·87	72·59	4	3·178
101	1125	7·3	0 36 20·58	78·14	4	3·133
102	1137	7·0	0 36 32·05	70·41	4	3·032
103	1147	7·5	0 37 19·14	74·78	2	3·365
104	1165	8·1	0 37 34·36	74·16	3	3·140
105	1202	8·5	0 38 55·60	70·61	5	3·195
106	1210	6·5	0 39 26·16	73·12	4	3·451
107	1236	7·5	0 39 55·30	73·79	3	3·308
108	1240	5·0	0 40 0·40	78·52	5	3·133
109	1250	7·8	0 40 30·14	75·40	6	3·259
110	1244	7·0	0 40 39·09	64·88	1	3·565
111	1272	7·5	0 40 59·28	73·07	4	3·151
112	1305	5·5	0 41 49·84	70·83	3	2·972
113	1308	7·5	0 42 10·00	76·26	3	3·152
114	1322	6·8	0 42 31·67	64·84	1	3·135
115	1320	7·5	0 42 37·37	72·11	3	3·306
116	1348	7·0	0 43 4·08	65·83	1	2·957
117	1336	7·7	0 43 11·66	75·27	5	3·243
118	1361	7·0	0 43 30·86	80·85	1	3·068
119	1357	7·6	0 43 32·80	71·51	3	3·205
120	1370	7·4	0 43 58·30	76·07	5	3·191
121	1395	7·3	0 44 35·72	73·54	3	3·294
122	1405	8·0	0 44 47·84	82·85	2	3·046
123	1406	7·0	0 44 58·71	74·98	1	3·177
124	1414	7·0	0 45 9·58	70·66	5	3·243
125	1438	7·5	0 45 49·76	73·91	3	3·173
126	1443	6·7	0 46 0·24	75·84	1	3·281
127	1451	7·8	0 46 18·			3·349
128	1462	7·3	0 46 39·19	70·66	4	3·322
129	1479	7·6	0 46 51·73	77·36	6	3·218
130	1494	7·0	0 47 18·28	77·19	3	3·199
131	1495	7·3	0 47 22·20	69·33	4	3·245
132	1540	6·8	0 48 33·37	78·84	1	3·197
133	1539	7·8	0 48 36·41	70·85	5	3·234
134	1544	7·5	0 48 40·38	73·39	4	3·221
135	1585	8·3	0 49 55·70	73·48	5	$+3{\cdot}227$

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
91	105° 39′ 36″·1	80·83	2	− 19″·89	Bn.
92	50 21 20·8	75·53	3	19·88	W 761.
93	30 51 41·5	70·36	4	19·87	
94	64 21 48·5	73·08	5	19·86	W 812.
95	38 48			19·84	
96	43 25 51·1	77·78	2	19·84	
97	50 28 31·8	70·67	6	19·84	W 859.
98	62 38 37·8	76·51	3	19·82	W 878.
99	46 44 52·5	70·36	4	19·82	W 901.
100	63 2 35·1	72·59	4	19·81	
101	74 1 14·1	78·14	4	19·80	W 931, R 162.
102	100 36 24·4	70·41	4	19·80	W 1137, Si_2, Si_3 48.
103	36 31 57·9	74·78	2	19·79	RC 193.
104	72 45 18·3	74·16	3	19·79	W 963.
105	61 29 38·3	70·56	4	19·77	W 988.
106	31 6 33·3	73·12	4	19·76	R_2 279.
107	44 19 9·1	72·57	4	19·75	Oe 728, R_2 286. [Gl 206.
108	75 12 24·7	78·52	5	19·75	T. 222, Ar 158, R_2 288, N 7yr 87,
109	51 39 12·8	75·40	6	19·75	W 1023, R_2 296.
110	25 33 46·2	59·89	1	19·74	Oe 741.
111	71 46 55·4	73·07	4	19·74	W 1034, R_2 305, Bn.
112	112 24 18·7	68·82	3	19·72	Oe 425, Y 400, St 315.
113	71 59 42·6	76·26	3	19·72	
114	75 52 24·1	64·84	1	19·71	W 719, R_2 322, Sp 282.
115	46 37 14·3	68·87	4	19·71	R 194.
116	114 49 1·1	65·83	1	19·70	Oe 440, Bn, Y 414, St
117	55 42 24·9	75·27	5	19·70	[322.
118	90 54 20·4	79·90	2	19·69	W 732, Si_5 62, L_1 143,
119	62 18 40·4	70·47	5	19·69	W 1095. [Y 424, Gl 219.
120	65 5 46·3	76·07	5	19·69	W 1119.
121	49 26 56·2	74·06	5	19·68	W 1126.
122	95 43 2·2	82·85	2	19·67	W 759.
123	68 3 26·7	71·40	2	19·67	R_2 346.
124	56 47 23·0	70·62	4	19·67	W 1137.
125	69 16 6·3	73·91	3	19·65	W 1155, R_2 356.
126	52 7 49·5	71·80	2	19·65	R_2 360, Y 441.
127	44 5 4·5	64·76	1	19·65	Bn.
128	47 18 41·6	70·66	4	19·64	R 212.
129	61 35 56·5	77·07	5	19·64	W 1178.
130	65 11 29·8	76·63	4	19·63	W 1192.
131	57 47 24·4	70·32	4	19·63	Bn.
132	66 7 13·0	78·84	1	19·60	W 1218, R_2 397.
133	60 1 0·6	70·47	5	19·60	W 1221.
134	62 7 1·6	73·39	4	19·60	W 1223.
135	61 52 44·3	73·48	5	− 19·58	W 1256.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
136	1611	7·9	$0^h\ 50^m\ 31^s{\cdot}16$	77·87	3	$+3^s{\cdot}216$
137	1625	7·9	0 51 3·99	71·84	4	3·273
138	1633	8·3	0 51 5·95	64·94	1	3·235
139	1629	6·8	0 51 13·49	77·14	4	3·310
140	1671	6·0	0 51 20·97	79·56	3	3·141
141	1663	6·8	0 52 16·99	70·95	6	3·259
142	1665	7·2	0 52 17·87	71·87	5	3·226
143	1681	7·0	0 52 25·88	67·85	1	3·037
144	1677	7·3	0 52 42·73	73·29	5	3·261
145	1689	7·0	0 53 4·75	77·52	3	3·405
146	1701	7·0	0 53 27·16	76·92	2	3·399
147	1727	6·2	0 54 14·58	73·61	4	3·431
148	1749	6·9	0 55 2·69	71·84	4	3·455
149	1770	8·0	0 55 11·38	70·85	1	3·123
150	1791	6·5	0 55 48·60	77·17	3	3·236
151	1834	7·2	0 57 3·70	80·85	2	3·301
152	1847	6·5	0 57 34·68	73·55	3	3·342
153	1854	6·5	0 57 37·82	70·86	5	3·256
154	1879	7·3	0 58 17·86	75·64	4	3·082
155	1870	7·0	0 58 29·41	68·89	1	3·593
156	1882	7·3	0 58 32·91	78·87	1	3·192
157	1895	7·0	0 58 42·95	65·83	1	2·940
158	1912	7·5	0 59 51·80	71·80	4	3·309
159	1924	7·5	1 0 12·90	74·03	6	3·394
160	1943	7·5	1 0 36·98	70·86	5	3·432
161	1965	8·0	1 0 47·90	77·56	3	3·057
162	1977	8·5	1 1 27·05	64·94	1	3·274
163	1992	7·0	1 1 33·05	82·90	2	3·080
164	1997	7·2	1 1 56·94	75·34	4	3·276
165	2007	7·0	1 2 17·44	75·86	1	3·307
166	2047	6·8	1 2 54·27	78·95	2	3·227
167		7·5	1 3 7·94	64·79	1	3·380
168	2087	8·6	1 4 0·			3 084
169	2096	7·3	1 5 9·70	80·45	2	3·390
170	2110	6·6	1 5 14·26	69·68	5	3·750
171	2132	8·0	1 5 33·56	70·66	5	3·321
172	2144	7·3	1 5 57·71	74·03	5	3·303
173	2157	7·3	1 6 26·14	77·66	5	3·398
174	2191	7·5	1 7 26·58	76·53	3	3·295
175	2231	6·8	1 8 45·25	70·88	2	3·214
176	2247	7·1	1 9 9·27	72·82	2	3·216
177	2244	7·0	1 10 5·73	73·42	2	3·220
178	2280	6·8	1 10 10·61	78·85	1	3·397
179	2283	6·9	1 10 23·13	75·86	4	3·526
180	2293	6·8	1 10 27·92	71·08	4	$+3{\cdot}316$

No.	Mean N.P.D1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
136	63° 40′ 39″·7	77·87	3	− 19″·57	W 1266, T_2, R_2 418, N 7yr [109, Y 488.
137	55 41 22·1	71·84	4	19·56	
138	61 9 8·9	64·95	1	19·56	W 1284, Bn.
139	51 12 0·6	76·70	5	19·56	W 1285, Y 494.
140	76 58 48·8	79·56	3	19·55	W 873, R_2 428, Y 496.
141	58 13 12·1	70·61	5	19·54	W 1315.
142	63 1 8·6	71·87	5	19·54	W 1316.
143	96 33 21·2	67·85	1	19·53	W 890, Si_2, Sp 340.
144	58 10 53·7	78·87	3	19·53	W 1326.
145	43 21 21·5	77·52	3	19·52	
146	43 21 15·0	76·92	2	19·51	
147	41 7 47·2	73·61	4	19·50	Oe 988.
148	39 38 17·5	71·84	4	19·48	
149	80 55 44·2	65·20	3	19·48	W 944, Gl 254.
150	62 55 32·3	77·17	3	19·46	W 1389, R_2 477.
151	55 12 9·8	80·85	2	19·43	
152	50 40 46·8	73·91	4	19·43	W 1426, R 249, 12yr 69.
153	61 0 31·3	70·88	4	19·42	R 250, T_2, Ar 221, Gl 260.
154	88 21 23·4	75·64	4	19·40	W 1002, N 7yr 125, Sp 362, Y 553
155	32 54 51·4	68·89	1	19·40	Oe 1073, RC 326.
156	71 28 22·3	73·33	2	19·40	W 1449.
157	111 24 12·6	65·83	1	19·40	Oe 610.
158	55 31 26·2	71·80	4	19·38	W 1478.
159	47 8 42·4	74·02	6	19·38	W 1485.
160	43 49 35·6	70·88	4	19·36	Oe 1117.
161	92 24 6·0	77·56	3	19·35	W 1057, PM 87, Si_5 97.
162	60 14 16·3	64·94	1	19·34	W 1511.
163	88 39 45·0	82·86	1	19·34	See *Notes*.
164	60 15 35·5	75·34	4	19·33	W 1527.
165	56 43 32·5	69·81	3	19·32	W 1531.
166	66 52 22·1	78·95	2	19·30	L_6.
167	49 44			19·30	W 7.
168	88 6 42·1	67·80	2	19·28	W 25.
169	49 45 10·0	77·95	1	19·25	W 55.
170	28 57 29·5	67·22	6	19·25	Oe 1212.
171	56 32 39·9	70·63	4	19·24	
172	58 35 20·4	74·03	5	19·23	PM 94, Bn, Gl 288.
173	49 30 46·0	75·52	6	19·22	W 77.
174	60 7 12·7	74·90	4	19·20	
175	70 14 46·9	68·84	4	19·16	W 128.
176	70 9 31·2	72·82	2	19·15	W 136.
177	69 36 22·7	73·42	2	19·12	W 166, T 408.
178	51 10 48·5	72·25	2	19·12	W 162, R, Y 635.
179	41 39 3·2	75·86	4	19·12	PM 102, Oe 1334.
180	58 54 56·1	71·09	5	− 19·11	W 175.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
181	2331	8·0	$1^h\ 11^m\ 39^s\cdot96$	64·93	1	$+3^s\cdot340$
182	2330	6·5	1 11 42·19	68·85	3	3·378
183	2352	8·0	1 12 37·98	73·77	1	3·455
184	2408	7·0	1 13 48·			2·993
185	2396	7·5	1 13 50·71	75·82	2	3·461
186	2403	6·5	1 14 21·89	71·37	4	3·570
187	2423	7·0	1 14 28·14	76·10	4	3·242
188	2443	7·5	1 14 48·			2·866
189	2466	6·7	1 16 11·96	70·85	1	3·387
190	2483	7·0	1 16 17·			3·154
191	2507	7·8	1 17 32·43	73·84	1	3·539
192	2539	7·0	1 17 45·44	77·87	1	3·004
193	2530	7·3	1 18 14·27	69·47	3	3·543
194	2581	6·	1 18 32·10	71·90	2	2·941
195	2591	6·8	1 19 23·49	78·40	2	3·150
196	2597	6·8	1 19 49·46	74·32	5	3·302
197	2620	8·3	1 20 30·13	73·84	1	3·332
198	2654	7·5	1 21 19·21	75·37	2	3·335
199	2637	6·8	1 21 20·67	75·87	3	3·647
200	2675	7·0	1 21 32·84	72·06	1	2·977
201	2690	7·0	1 22 0·49	64·95	1	2·921
202	2673	7·4	1 22 3·14	75·85	1	3·413
203	2710	6·5	1 22 51·44	74·07	4	3·265
204	2740	7·0	1 23 31·82	73·92	3	2·955
205	2762	6·6	1 25 0·16	76·27	5	3·399
206	2757	6·5	1 25 19·69	71·85	2	3·840
207	2777	6·5	1 25 38·16	78·85	1	3·413
208	2789	7·0	1 26 14·			3·489
209	2814	7·2	1 26 44·29	72·28	5	3·417
210	2847	7·2	1 27 52·30	76·27	5	3·390
211	2859	8·0	1 28 0·84	78·89	4	3·250
212	2867	6·8	1 28 30·41	76·28	5	3·501
213	2890	6·5	1 28 43·12	73·92	3	3·402
214	2918	8·0	1 29 23·59	74·83	2	3·326
215	2950	7·3	1 30 31·99	72·11	4	3·301
216	2969	8·0	1 31 6·24	76·87	3	3·267
217	2999	6·5	1 31 23·05	82·86	1	2·980
218	3002	6·5	1 31 46·81	79·30	5	3·270
219	3014	7·2	1 32 14·52	77·27	5	3·340
220	3032	8·5	1 32 21·10	64·94	1	2·917
221	2996	7·5	1 32 33·64	71·90	4	3·200
222	3062	7·2	1 33 43·31	69·30	2	3·064
223	3091	8·0	1 34 25·77	78·86	2	3·041
224	3073	7·5	1 34 34·12	73·78	1	3·572
225	3112	7·0	1 35 44·46	74·13	4	$+3^s\cdot727$

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
181	56° 54′ 5″·4	64·79	1	−19″·08	Bn.
182	53 16 21·5	68·85	3	19·08	W 201, PM 104, R_2 579,
183	47 26 53·6	73·77	1	19·06	W 221. [Y 645.
184	100 32 18·2	59·97	1	19·02	W 196, Si_2 103.
185	47 25 23·1	72·13	3	19·02	W 244, RC 411.
186	40 32 1·2	71·10	5	19·01	Ar 291, Oe 1429, RC 413.
187	68 16 55·3	76·10	4	19·01	W 265, R_2 608.
188	115 45 31·8	65·83	2	19·00	Oe 776, Bn.
189	54 8 20·5	66·82	4	18·96	R_2 632.
190	79 17 10·7	64·79	1	18·95	W 236, Si_1, Gl 320.
191	43 29 2·4	73·84	1	18·92	Bn.
192	98 39 32·3	71·85	2	18·91	See *Notes*.
193	43 32 1·0	65·86	4	18·89	Oe 1499.
194	106 18 45·6	72·35	2	18·89	
195	80 14 41·7	78·40	2	18·86	W 299, Si_1, Y 681, Gl 330.
196	63 24 8·3	74·32	5	18·85	
197	60 8 19·1	73·84	1	18·83	W 414.
198	60 5 20·9	75·37	2	18·81	W 433, R_2 672.
199	38 57 45·9	73·10	4	18·81	Oe 1554, RC 440.
200	101 33 6·6	68·45	2	18·80	W 344, Si_3 110.
201	107 54 37·1	64·95	1	18·78	Oe 850, Y 700.
202	54 1 11·9	75·85	1	18·78	
203	67 49 15·6	71·14	6	18·76	W 471.
204	103 52 8·2	73·41	3	18·74	W 380.
205	55 50 41·2	76·27	5	18·69	W 515, R 319.
206	32 18 59·7	69·44	2	18 68	R 320.
207	54 47 59·0	70·48	3	18·67	W 529, R_2 721.
208	49 44 26·3	67·88	1	18·65	W 543.
209	55 2 4·4	72·28	5	18·64	
210	57 31 8·3	76·27	5	18·60	W 587, R 337, 12yr 130.
211	70 28 3·7	78·89	4	18·59	W 595.
212	49 33 50·5	73·55	6	18·58	W 600, RC 473.
213	56 48 1·2	72·38	4	18·57	W 610.
214	63 24 20·9	77·21	3	18·55	W 628.
215	65 27 48·3	72·11	4	18·51	
216	69 22 36·3	76·87	3	18·49	W 672.
217	100 2 44·7	75·45	2	18·48	See *Notes*.
218	69 14 19·5	79·30	5	18·47	R_2 796.
219	62 52 39·1	77·27	5	18·45	W 701.
220	106 30 29·6	64·95	1	18·45	Oe 969.
221	76 21 0·0	72·13	5	18·45	W 541, T 538, 9yr 151.
222	90 52 37·0	77·88	2	18·40	W 574, Si_2, L_1 251, Gl 365.
223	93 15 18·4	78·86	2	18·38	W 594, R 384, 12yr 144,
224	46 59 35·1	73·78	1	18·37	W 763. [Sp 500, Y 789.
225	39 6 55·3	72·01	6	−18·33	

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
226	3126	7·8	$1^h\cdot35^m\ 49^s\cdot$			$+3^s\cdot390$
227	3140	7·8	1 36 30·74	76·85	2	3·670
228	3149	6·5	1 36 41·89	76·55	6	3·408
229	3165	7·2	1 37 13·13	78·92	1	3·414
230	3166	6·8	1 37 21·26	75·29	4	3·477
231	3181	7·5	1 37 48·53	69·88	4	3·364
232	3205	7·5	1 38 28·28	73·54	3	3·000
233	3244	6·5	1 39 42·82	76·68	5	3·009
234	3243	7·0	1 40 3·64	75·85	3	3·342
235	3267	8·0	1 40 43·36	71·63	4	3·035
236	3301	6·5	1 41 42·91	74·87	2	2·845
237	3310	6·5	1 42 26·39	70·66	5	3·352
238	3337	7·3	1 43 34·72	76·05	5	3·485
239	3379	8·0	1 43 58·98	78·85	2	2·996
340	3370	7·0	1 44 14·97	72·25	3	3·334
241	3378	7·5	1 44 17·30	76·23	3	3·285
242	3373	6·6	1 44 51·			3·798
243	3410	8·0	1 45 9·32	67·82	2	3·022
244	3405	7·2	1 45 12·			3·330
245	3419	7·0	1 45 23·			2·994
246	3412	7·2	1 45 48·58	77·96	2	3·511
247	3439	7·0	1 46 48·24	72·39	2	3·780
248	3468	8·0	1 46 45·80	73·88	4	3·052
249	3476	6·4	1 47 34·78	67·84	1	3·519
250	3501	7·5	1 48 0·51	75·63	4	3·397
251	3518	8·0	1 48 43·27	77·82	1	3·685
252	3560	7·3	1 50 6·09	78·12	4	3·781
253	3547	5·5	1 50 25·87	70·60	3	4·342
254	3618	5·0	1 50 48·94	78·93	1	2·807
255	3596	7·7	1 50 53·73	71·16	4	3·401
256	3621	7·0	1 51 47·59	75·39	4	3·473
257	3640	7·7	1 52 3·82	77·38	4	3·273
258	3693	7·0	1 53 27·30	78·90	1	2·908
259	3683	8·6	1 53 35·			3·204
260	3689	7·7	1 53 43·70	73·10	5	3·184
261	3682	7·7	1 53 49·42	69·65	4	3·420
262	3697	8·0	1 54 9·40	78·86	2	3·354
263	3715	7·0	1 54 34·92	73·00	2	3·356
264	3755	7·0	1 54 55·			2·772
265	3761	7·5	1 55 41·83	78·24	3	3·211
266	3741	6·7	1 56 2·89	74·85	4	3·883
267	3758	6·9	1 56 37·22	71·88	4	4·002
268	3811	6·0	1 57 22·73	78·86	2	3·018
269	3835	7·3	1 58 21·63	74·39	2	3·183
270	3845	7·5	1 58 44·43	72·64	4	$+3\cdot182$

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
226	59° 37′ 31″·2	67·87	1	−18″·33	W 802.
227	42 25 8·2	74·85	4	18·30	Oe 1909.
228	58 26 18·6	76·55	6	18·30	W 820.
229	58 6 43·6	78·92	1	18·28	W 832, Bn.
230	53 41 24·8	73·01	6	18·27	
231	62 10 15·7	71·54	5	18·25	W 840.
232	97 23 44·2	73·54	3	18·23	W 683.
233	96 21 35·5	76·88	6	18·19	See *Notes*.
234	64 27 26·9	73·85	4	18·17	W 896.
235	93 44 26·0	69·50	7	18·15	W 715, Si_2, Y 830, Gl [386.
236	111 28 7·1	67·43	4	18·11	Bn.
237	64 8 59·5	70·08	6	18·09	W 956, RC_2 218.
238	54 46 32·1	75·00	7	18·04	W 981.
239	97 19 38·2	75·85	3	18·02	W 765, Si_2.
240	65 58 3·4	71·72	6	18·01	W 1000.
241	70 6 22·2	76·23	3	18·01	W 1004, R 451.
242	39 8 37·2	67·85	1	17·99	Oe 2076, RC 538, N7yr
243	94 50 26·8	68·34	2	17·98	W 788, Si_2. [241, Y 864.
244	66 30 10·1	67·76	1	17·98	W 1020, RC_2 221.
245	97 29 36·3	67·91	1	17·97	W 795, Si_2.
246	53 17 41·4	77·96	2	17·96	W 1027, PM 164, R 461,
247	40 19 8·4	72·69	5	17·91	Oe 2112. [Y 869.
248	91 55 56·7	73·10	4	17·91	W 819, Si_5 156, L_1 277, Gl 407.
249	53 29 14·0	67·84	1	17·89	T 621, Ar 416, Gl 413.
250	61 48 58·3	74·06	5	17·87	PM 168, R 471, R_2 967, [Bn.
251	44 38 34·1	70·80	3	17·84	W 1093, Oe 2156.
252	40 58 3·1	78·07	5	17·78	
253	25 59 17·7	66·32	5	17·77	Oe 2189, R_2 989, RC 569.
254	113 8 17·7	72·38	2	17·75	See *Notes*.
255	62 5 24·9	70·02	7	17·75	W 1168.
256	57 23 16·6	75·39	4	17·71	W 1198.
257	72 15 2·6	75·47	5	17·70	W 1209, R_2 1013.
258	104 28 54·0	78·90	1	17·65	W 930, Si_4 137.
259	78 14 0·0	67·85	1	17·64	W 928, R 502, R_2 1029, L_4 265,
260	79 58 38·0	73·10	5	17·64	W 935, R_2 1035. [Gl 433.
261	61 22 5·1	69·65	4	17·63	W 1252.
262	66 9 42·0	78·53	3	17·62	W 1263.
263	67 12 38·8	71·26	3	17·60	
264	115 1 28·3	64·95	1	17·58	Bn, Y 925, St 796.
265	77 55 4·3	78·24	3	17·55	W 972, L_4 270, Y 930, [Gl 443.
266	38 38 3·5	72·68	6	17·54	
267	34 58 41·6	71·88	4	17·51	
268	94 42 14·3	78·86	2	17·48	Bn. [453.
269	80 29 2·2	74·39	2	17·44	W 1018, Si, Y 947, Gl.
270	80 31 24·9	75·29	3	−17·42	W 1022, Y 948, Gl 455.

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
			h	m	s.			
271	3854	7·0	1	58	49·858			+ 2·858
272	3855	7·3	1	59	27·74	78·30	4	3·360
273	3857	6·7	1	59	37·61	73·78	1	3·436
274	3886	8·0	1	59	58·			3·014
275	3889	7·3	2	0	5·02	67·90	1	3·065
276	3921	7·0	2	0	57·35	64·95	1	2·831
277	3922	7·5	2	1	13·65	78·88	1	3·058
278	3939	8·0	2	2	7·71	70·92	2	3·430
279	3953	7·5	2	2	11·			2·944
280	3958	6·0	2	2	17·93	76·86	4	2·985
281	3943	8·2	2	2	43·48	70·93	3	3·762
282	3994	8·0	2	3	51·53	76·09	6	3·367
283	4042	8·0	2	4	42·			2·906
284	4057	7·	2	5	4·			2·877
285	4053	7·4	2	5	14·11	73·12	4	3·106
286	4060	6·3	2	5	14·59	78·92	1	2·942
287	4077	7·3	2	5	47·56	72·06	5	3·098
288	4058	7·8	2	5	53·26	70·87	2	3·474
289	4094	7·5	2	6	34·58	74·92	3	3·399
290	4114	6·5	2	7	23·32	74·86	2	3·449
291	4119	6·7	2	7	53·70	68·93	2	3·837
292	4141	6·5	2	8	15·61	77·90	2	3·383
293	4159	7·7	2	9	9·			3·792
294	4182	7·2	2	10	5·12	74·52	3	3·858
295	4190	6·3	2	11	9·92	71·25	3	3·818
296	4254	6·0	2	11	10·44	76·91	3	3·326
297	4271	6·0	2	11	54·55	67·32	2	3·373
298	4287	7·3	2	12	31·06	78·56	3	3·507
299	4296	6·5	2	12	45·97	70·39	5	3·488
300	4321	var.	2	13	2·13	67·88	1	3·027
301	4322	7·3	2	13	34·52	76·87	3	3·466
302	4313	6·5	2	13	39·51	72·65	4	3·784
303	4353	8·0	2	14	54·57	71·67	4	3·451
304	4367	7·0	2	15	38·			3·647
305	4377	7·0	2	15	57·09	70·99	5	3·591
306	4410	6·0	2	16	11·60	79·90	2	2·826
307	4381	6·9	2	16	12·67	75·84	1	3·735
308	4415	7·5	2	17	23·87	71·93	5	3·484
309	4418	7·2	2	17	38·79	74·11	5	3·631
310	4449	5·7	2	18	7·04	67·86	1	3·206
311	4487	6·0	2	18	43·55	64·93	1	2·694
312	4470	6·9	2	19	14·56	71·97	3	3·539
313	4504	7·5	2	19	41·07	78·57	3	3·149
314	4493	7·5	2	19	46·79	70·39	5	3·438
315	4490	6·5	2	20	37·66	65·00	1	+ 4·170

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
271	107° 53′ 14″·4	66·83	2	−17″·42	Oe 1279.
272	66 15 33·4	76·29	5	17·39	R 532, Bn.
273	61 19 42·0	69·78	3	17·38	W 1402.
274	94 57 45·8	67·85	1	17·37	W 1048, Sp 616.
275	90 33 45·2	67·90	1	17·36	W 1053, Si_5 176, L_1 315.
276	109 44 8·6	64·95	1	17·33	Oe 1311.
277	91 12 7·4	78·88	1	17·31	See *Notes*.
278	62 11 59·2	70·64	4	17·27	W 1465.
279	100 38 8·9	74·90	2	17·27	W 1097, Si_3 168.
280	97 16 23·4	75·86	5	17·27	Bn.
281	44 39 52·6	70·34	5	17·25	
282	66 47 33·0	74·63	7	17·20	W 26.
283	103 31 6·4	65·83	1	17·16	W 33, Si_4 147.
284	105 39 34·8	67·84	1	17·14	
285	87 8 13·4	73·12	4	17·13	
286	100 38 12·0	78·92	1	17·13	W 48, Bn, Si_2 172.
287	87 50 37·5	71·75	6	17·11	W 58, Sp 642, Gl 482.
288	60 1 42·3	67·47	5	17·11	
289	64 59 19·3	73·14	4	17·07	
290	61 53 27·9	76·89	3	17·04	W 138.
291	42 46 12·9	65·43	4	17·01	
292	66 18 21·8	71·95	3	17·00	W 156.
293	44 44 35·1	74·95	1	16·95	Oe 2581.
294	42 25 52·4	74·52	3	16·91	
295	44 6 20·7	71·25	3	16·86	
296	70 40 42·9	76·91	3	16·86	See *Notes*.
297	67 24 35·6	68·88	3	16·82	
298	59 14 10·1	77·66	4	16·79	R_2 1174.
299	60 23 14·9	70·39	5	16·78	W 270.
300	93 32 43·3	66·66	5	16·77	o Ceti, see *Notes*.
301	61 50 20·2	76·87	3	16·74	Bn.
302	45 58 26·0	70·10	5	16·74	W 285.
303	62 58 5·0	70·58	6	16·68	
304	52 19 0·3	67·84	1	16·64	
305	55 7 44·9	70·99	5	16·63	W 342.
306	108 13 58·2	79·90	2	16·62	Bn, Y 1058.
307	48 28 3·2	75·18	4	16·62	W 347, see *Notes*.
308	61 19 26·3	71·43	6	16·56	W 372.
309	53 26 53·0	72·11	6	16·55	W 376.
310	79 57 23·4	66·66	3	16·52	See *Notes*.
311	116 24 53·3	64·93	1	16·49	Oe 1539, St 957.
312	54 57 0·9	71·71	5	16·47	W 423.
313	84 16 15·4	79·41	4	16·45	
314	64 31 18·8	69·47	6	16·44	
315	35 1 28·9	59·98	2	−16·40	Oe 2789, RC 717.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
316	4553	8·0	$2^h\ 21^m\ 6^s{\cdot}88$	73·26	3	$+3^s{\cdot}054$
317	4569	7·5	2 21 27·			2·970
318	4535	6·5	2 21 39·75	70·90	1	3·857
319	4572	6·0	2 22 6·23	72·66	4	3·400
320	4545	6·5	2 22 25·16	69·88	1	4·292
321	4607	7·5	2 22 41·			2·908
322	4586	6·8	2 22 52·46	71·65	3	3·718
323	4589	7·3	2 23 7·49	75·92	2	3·877
324	4601	7·2	2 23 43·74	74·85	4	3·884
325	4627	7·0	2 24 7·42	70·72	4	3·677
326	4641	7·3	2 24 16·04	80·91	1	3·473
327	4681	5·5	2 25 2·18	71·97	5	3·097
328	4710	8·5	2 25 46·80	69·91	3	3·048
329	4739	8·0	2 26 23·52	73·00	1	3·161
330	4720	6·6	2 26 42·59	73·16	4	3·595
331	4779	6·5	2 27 53·			2·771
332	4752	6·0	2 27 56·85	70·52	4	3·673
333	4765	7·3	2 28 38·27	70·73	5	3·795
334	4784	6·2	2 29 9·25	76·98	2	3·709
335	4824	7·	2 29 17·92	72·94	1	2·928
336	4799	6·8	2 29 30·54	71·97	5	3·734
337	4802	6·5	2 29 35·08	78·40	2	3·586
338	4818	7·5	2 29 48·			3·436
339	4830	6·5	2 30 34·18	72·46	2	3·692
340	4882	7·5	2 31 36·26	71·51	4	3·358
341	4867	7·0	2 32 40·67	71·23	4	4·614
342	4927	3·7	2 33 4·50	67·85	1	3·069
343	4952	7·0	2 34 6·99	76·53	5	3·347
344	4960	6·9	2 34 32·21	70·90	2	3·562
345	4980	8·0	2 34 32·76	66·38	1	3·153
346	4918	8·7	2 34 39·55	72·18	5	4·625
347	4975	4·2	2 35 39·96	73·32	3	4·028
348	5041	8·0	2 36 25·21	67·85	1	2·822
349	5058	7·5	2 37 9·70	75·86	1	3·026
350	5076	7·0	2 37 46·			2·946
351	5074	6·8	2 37 47·41	69·88	2	2·974
352	5102	6·8	2 39 14·95	71·49	2	3·682
353	5129	7·5	2 39 18·			2·827
354	5114	7·9	2 39 33·20	72·79	5	3·584
355	5140	7·	2 39 45·28	74·76	2	2·990
356	5134	6·5	2 40 5·78	70·80	6	3·427
357	5136	6·8	2 40 47·06	78·57	3	3·987
358	5176	6·5	2 41 39·46	70·12	5	3·720
359	5172	6·2	2 42 24·06	73·00	1	4·453
360	5205	7·1	2 42 30·94	72·47	4	$+3{\cdot}574$

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
316	91° 18′ 52″·5	72·06	4	−16″·37	W 324, Si_2, Si_5 195, L_1,
317	97 29 23·0	64·87	1	16·35	W 332, Si_2. [354, Gl 548.
318	44 31 31·4	68·38	2	16·34	Oe 2806.
319	67 5 26·4	71·50	5	16·32	R 631, R_2 1267.
320	32 31 58·4	69·39	2	16·31	
321	101 54 14·6	66·34	2	16·30	
322	50 23 21·3	69·97	5	16·28	
323	44 9 43·3	72·23	3	16·24	Oe 2831.
324	43 58 10·3	74·85	4	16·24	Oe 2848.
325	52 25 59·3	70·72	4	16·22	W 545.
326	62 59 10·4	80·91	1	16·21	W 555. [1119, Gl 561.
327	88 17 18·2	71·97	5	16·18	W 399, T_2, R_2 1298, Y
328	91 44 52·6	69·91	3	16·13	W 410, Bn, Sp 709, L_1
329	83 35 48·9	67·90	3	16·10	W 420, T 850, Gl 571 [366
330	56 45 30·3	72·31	5	16·08	W 612.
331	110 33 0·7	67·85	1	16·02	Bn.
332	53 14 9·8	70·52	4	16·02	W 642, PM 249, R_2 1323,
333	48 8 46·8	70·73	5	15·98	W 657. [Y 1131.
334	51 48 26·8	76·98	2	15·96	W 669, R 664, R_2 1334, Y 1141.
335	99 53 55·7	72·94	1	15·95	W 476, Si_2, Si_3 205, Sp 727.
336	50 38 57·9	71·97	5	15·94	W 679.
337	57 39 20·3	77·24	3	15·93	W 683.
338	65 53 52·1	66·15	4	15·92	See *Notes*.
339	52 48 56·6	66·19	4	15·88	W 701, Y 1156.
340	70 48 52·3	66·43	6	15·83	W 733, R 676, R_2 1355.
341	28 10 48·1	70·73	4	15·77	Oe 3015.
342	90 12 41·7	65·85	5	15·75	δ Ceti, see *Notes*.
343	71 44 15·0	76·53	5	15·69	W 795, PM 260.
344	59 35 58·0	69·86	3	15·67	W 806.
345	84 27 55·9	66·38	2	15·67	W 580, T 898, Ar 583, R_2 [1386, Y 1183, Gl 612.
346	28 16 41·0	70·14	6	15·66	Oe 3060.
347	41 18 5·7	68·00	5	15·61	See *Notes*.
348	106 33 22·5	67·85	1	15·56	Oe 1756.
349	93 3 52·9	68·56	3	15·52	W 624, Si_2.
350	98 26 28·6	67·91	1	15·49	W 632, Si_2.
351	96 32 32·0	69·88	2	15·49	Bn, Sp 764.
352	54 32 36·8	68·52	5	15·41	W 915, Y 1207.
353	105 57 25·9	64·87	1	15·40	Oe 1786.
354	59 7 50·7	72·79	5	15·39	W 929.
355	95 29 5·3	74·46	2	15·38	W 666, Si_2.
356	67 33 53·9	70·80	6	15·36	W 941.
357	43 18 17·6	75·24	3	15·32	Oe 3189.
358	53 11 45·4	68·44	6	15·27	W 977, R_2 1419.
359	32 12 17·4	66·45	2	15·23	
360	59 59 34·9	72·47	4	−15·22	W 1005.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
361	5252	7·5	$2^h\ 42^m\ 56^s$·			+ 2ˢ·731
362	5221	6·0	2 43 19·91	74·02	3	3·987
363	5248	7·2	2 43 38·75	76·44	2	3·367
364	5257	7·0	2 44 23·11	71·18	5	3·725
365	5258	6·7	2 44 50·48	71·55	5	4·052
366	5306	8·0	2 45 4·73	75·86	1	3·018
367	5262	6·5	2 46 7·33	71·96	1	4·875
368	5285	7·0	2 46 28·64	71·63	3	4·749
369	5499	7·0	2 46 44·68	67·85	1	2·916
370	5353	7·0	2 47 11·10	74·34	3	3·095
371	5374	7·5	2 47 26·81	67·85	1	2·942
372	5383	7·0	2 47 40·			2·700
373	5362	7·2	2 47 58·72	75·64	3	3·532
374	5365	7·0	2 48 8·66	70·96	5	3·600
375	5410	7·7	2 48 49·55	76·90	2	3·071
376	5449	6·5	2 50 21·65	64·97	1	3·005
377	5435	7·8	2 50 27·32	72·72	4	3·616
378	5440	6·6	2 50 41·64	73·21	5	3·636
379	5468	6·8	2 51 20·44	78·92	1	3·469
380	5481	7·0	2 52 17·03	70·25	5	3·775
381	5515	6·0	2 52 24·35	80·92	1	3·020
382	5532	7·0	2 52 43·79	75·86	1	2·906
383	5540	6·5	2 53 51·04	72·76	4	3·641
384	5490	6·7	2 53 55·93	71·33	3	4·748
385	5552	7·5	2 53 59·24	74·34	3	3·311
386	5581	7·0	2 54 33·00	78·92	1	3·018
387	5563	7·0	2 55 22·			4·077
388	5672	5·0	2 56 53·			2·655
389	5579	6·0	2 56 53·22	69·03	1	4·948
390	5644	7·7	2 57 5·01	74·94	1	3·430
391	5636	7·0	2 57 29·47	70·12	5	3·950
392	5658	6·5	2 57 42·86	74·91	2	3·760
393	5629	7·0	2 58 56·26	72·02	3	4·495
394	5722	7·0	2 59 4·68	78·92	1	2·928
395	5690	6·4	2 59 14·16	72·21	5	4·075
396	5724	5·2	2 59 32·15	77·94	2	3·285
397	5756	8·0	3 0 8·			2·838
398	5689	7·0	3 0 22·			5·049
399	5759	5·	3 0 22·68	71·56	2	2·968
400	5769	7·5	3 1 52·19	71·19	5	4·040
401	5808	6·5	3 2 41·05	74·10	1	3·567
402	5830	7·7	3 2 54·36	73·20	5	3·445
403	5849	7·7	3 3 27·70	73·44	2	3·449
404	5833	7·3	3 3 39·93	69·00	2	4·063
405	5925	7·0	3 5 3·42	70·47	2	+ 2·999

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
361	111° 20′ 33″·5	65·84	1	−15″·19	Oe 1826.
362	43 40 31·7	74·02	3	15·17	Oe 3230.
363	71 21 22·1	73·56	3	15·16	W 1037, R 722, R_2 1444.
364	53 25 19·8	68·95	7	15·11	W 1042.
365	41 56 41·5	70·60	6	15·09	Oe 3247, RC 813.
366	93 30 51·0	75·86	1	15·07	W 763, Si_2.
367	26 10 43·5	71·96	1	15·02	R_2 1462.
368	27 54 1·1	68·78	5	14·99	Oe 3269.
369	99 57 22·1	65·85	5	14·98	W 788, Si_2, Si_3 225.
370	88 32 17·4	74·34	3	14·95	W 795, Sp 807, Gl 660.
371	98 15 37·6	67·85	1	14·94	W 804, Sp 811.
372	112 36 6·7	65·83	1	14·93	Oe 1878, Y 1248, St 1179.
373	62 47 14·1	75·64	3	14·90	W 1128, R 739.
374	59 27 57·0	69·81	7	14·90	W 1133.
375	90 4 14·3	78·57	3	14·85	W 831, Y 1257, Gl 670.
376	94 13 0·9	64·97	1	14·76	W 861, Si_2, Sp 827, Gl 676
377	58 59 15·1	71·96	5	14·76	W 1184.
378	58 2 43·2	73·21	5	14·75	W 1190.
379	66 22 9·8	78·92	1	14·71	W 1202, R_2 1521, Bn.
380	52 22 3·7	66·93	6	14·65	W 1223, T 993, R.
381	93 16 56·8	80·92	1	14·64	W 895, Gl 687.
382	100 16 38·1	75·86	1	14·62	W 902, Ar 642, Si_2, Si_3
383	58 5 3·2	72·76	4	14·56	W 1264, PM 297. [232.
384	28 45 49·4	71·33	3	14·55	Oe 3363, R_2 1530, Bn see *Notes*.
385	75 27 51·3	76·23	4	14·55	W 928, R 766, Gl 697.
386	93 22 37·3	71·94	2	14·51	W 945, T 1015, Si_2, N 7yr
387	42 38 39·0	67·40	2	14·46	[385, St 1240.
388	114 6 54·9	67·85	1	14·37	See *Notes*.
389	26 25 47·5	64·51	2	14·37	Oe 3411.
390	69 1 4·8	74·95	1	14·36	W 1343.
391	46 47 11·2	69·29	6	14·33	W 1341.
392	53 41 20·8	74·91	2	14·32	W 1349.
393	33 28 3·3	72·02	3	14·25	Bn.
394	98 45 37·3	75·26	3	14·24	W 1030.
395	43 10 33·9	72·21	5	14·23	Oe 3451.
396	77 17 46·8	73·91	3	14·21	W 1033, R 777, Gl 714.
397	103 55 15·5	67·90	1	14·17	W 1050, Si_4 219, Sp 876.
398	25 34 59·3	64·84	2	14·16	Oe 3461.
399	96 34 25·2	74·57	3	14·14	W 1054, Si_2.
400	44 32 18·8	71·72	4	14·07	Oe 3504.
401	62 39 23·3	74·10	1	14·01	W 1474, Bn.
402	68 43 51·6	73·20	5	14·00	W 5.
403	68 34 52·0	73·44	2	13·97	W 24, R_2 1589.
404	44 5 18·1	69·89	1	13·95	
405	94 17 5·6	70·47	2	−13·86	W 50, Si_2, Gl 739.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
406	5896	6·0	3h 6m 13s·86	72·09	1	+ 4s·548
407	5953	7·0	3 6 48·78	72·21	5	3·398
408	5961	6·8	3 7 0·77	76·36	5	3·475
409	5996	7·0	3 7 19·64	67·91	1	2·708
410	5958	7·0	3 7 21·88	71·15	5	3·780
411	5989	7·8	3 8 29·54	74·98	1	3·842
412	6001	6·8	3 9 1·58	70·46	2	3·897
413	6072	8·0	3 10 0·65	71·96	1	2·926
414	6040	6·5	3 10 1·89	75·66	3	3·658
415	6026	7·9	3 10 4·88	72·04	3	4·033
416	6079	7·5	3 10 29·93	71·96	5	3·182
417	6100	8·0	3 10 55·28	75·92	4	2·992
418	6106	7·3	3 11 29·43	70·01	1	3·332
419	6158	6·0	3 12 50·			2·650
420	6140	8·0	3 13 11·04	74·94	1	3·421
421	6142	7·5	3 13 14·00	69·31	5	3·424
422	6166	7·6	3 13 35·08	73·24	4	3·090
423	6210	7·0	3 15 36·72	71·92	1	3·572
424	6233	7·6	3 17 3·43	72·04	2	4·088
425	6275	7·0	3 17 11·52	71·56	5	2·925
426	6254	7·2	3 17 15·01	78·43	2	3·616
427	6268	6·0	3 17 17·58	75·19	4	3·291
428	6312	7·0	3 18 32·84	81·90	1	2·809
429	6302	7·0	3 19 0·52	70·20	6	3·621
430	6318	7·5	3 20 5·46	75·17	5	4·038
431	6358	7·7	3 20 37·86	74·98	1	3·455
432	6333	7·0	3 21 37·56	71·66	3	4·996
433	6368	7·0	3 21 43·31	74·01	5	4·163
434	6402	7·3	3 21 59·72	76·44	2	3·340
435	6392	6·9	3 22 21·99	70·16	5	3·995
436	6403	7·4	3 22 55·25	75·97	3	3·981
437	6486	7·0	3 23 48·			2·694
438	6475	6·7	3 24 7·13	72·40	5	3·178
439	6469	6·0	3 24 42·52	80·91	1	3·802
440	6487	8·0	3 25 10·36	73·55	2	3·801
441	6515	7·5	3 25 24·43	74·58	5	3·000
442	6494	7·0	3 25 32·20	70·43	4	3·876
443	6522	7·5	3 26 34·16	71·47	2	3·902
444	6603	7·3	3 28 10·61	74·01	6	3 183
445	6634	7·0	3 28 36·81	73·44	4	2·881
446	6626	7·0	3 28 37·89	80·91	1	3·001
447	6579	7·1	3 29 22·64	69·93	3	4·836
448	6638	8·0	3 29 39·93	73·70	4	3·579
449	6661	6·5	3 30 0·62	71·06	1	2·854
450	6668	7·5	3 31 57·10	72·04	4	+ 4·163

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
406	33° 19′ 39″·1	68·37	2	−13″·79	Oe 3581, RC 901.
407	71 29 48·1	72·21	5	13·75	W 110, R 810.
408	67 30 54·2	76·36	5	13·74	W 116, R_2 1621.
409	110 20 55·2	67·91	1	13·72	Oe 2117.
410	53 59 29·5	71·15	5	13·71	
411	51 49 43·2	74·98	1	13·65	W 149, R 818.
412	49 58 44·2	66·94	3	13·61	W 157, 9yr 300.
413	98 23 21·0	71·96	1	13·55	W 149, Sp 938, see *Notes*.
414	59 19 57·4	71·76	4	13·55	W 183.
415	45 44 23·1	69·00	4	13·54	W 179, RC 919.
416	83 39 40·7	71·96	5	13·53	W 154, Sp 943, Gl 754.
417	94 36 2·3	75·92	4	13·49	W 170, Sp 949.
418	75 16 16·0	70·01	1	13·45	W 173, Y 1376, Gl 763,
419	112 58 8·8	67·90	2	13·36	See *Notes*. [see *Notes*.
420	70 43 27·7	74·94	1	13·34	W 258, PM 327.
421	70 34 56·2	66·65	6	13·34	W 261.
422	88 58 17·5	73·24	4	13·32	W 222, Si_1.
423	63 32 49·5	65·98	2	13·18	
424	44 55 42·4	68·00	3	13·09	W 324, Oe 3754.
425	98 14 1·3	71·56	5	13·08	W 278, Si_2, Y 1408.
426	61 47 27·2	78·43	2	13·07	W 334, see *Notes*.
427	77 48 56·4	74·98	4	13·07	W 275, R 852, Gl 788.
428	104 26 14·3	81·90	1	12·99	W 308, Si_4 243, Sp 998.
429	61 43 18·1	68·05	6	12·96	W 370.
430	46 41 0·8	75·17	5	12·89	W 386, R 855, RC 968.
431	69 30 41·3	74·98	1	12·85	W 407.
432	28 9 47·5	68·72	4	12·78	
433	43 22 10·3	73·98	3	12·78	Oe 3836.
434	75 26 14·6	76·44	2	12·76	W 363, Gl 805.
435	48 13 43·2	67·76	6	12·73	
436	48 42 15·3	75·97	3	12·69	W 437.
437	109 59 19·5	64·93	1	12·64	Bn.
438	84 14 27·2	73·46	4	12·61	W 400, R_2 1754, Gl 813.
439	54 57 54·4	80·91	1	12·57	W 484.
440	55 1 36·0	64·61	3	12·54	W 494.
441	93 55 31·5	74·58	5	12·53	W 432, Si_2, Gl 820.
442	52 24 39·3	70·43	4	12·52	W 500.
443	51 36 54·2	66·93	2	12·45	R_2 1775.
444	84 0 7·9	72·65	6	12·33	W 488, Si_1, Gl 834.
445	100 17 19·1	73·44	4	12·30	W 506, Si_2, Sp 1066.
446	93 49 53·9	81·86	3	12·30	W 502, Si_2, Gl 836.
447	30 58 4·2	66·61	3	12·25	Oe 3952, RC 1017.
448	64 24 54·9	74·29	3	12·23	W 607, see *Notes*.
449	101 36 48·5	68·00	2	12·21	W 536, R_2 1822, Si_2 286,
450	44 23 6·6	72·04	4	−12·07	RC 1031. [Sp 1078.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
451	6708	7·0	$3^h\ 32^m\ 19^s{\cdot}91$	74·28	3	+3ˢ·329
452	6726	7·0	3 32 23·12	74·32	5	2·925
453	6761	7·0	3 33 26·69	69·90	1	2·867
454	6739	7·0	3 33 40·31	73·34	3	3·650
455	6764	7·8	3 34 58·40	71·74	4	4·069
456	6861	6·5	3 35 47·			2·679
457	6833	7·4	3 36 14·78	75·96	5	3·600
458	6820	5·5	3 36 26·15	71·33	5	3·861
459	6885	7·0	3 36 36·82	64·93	1	2·565
460	6912	6·0	3 37 35·64	69·93	2	2·863
461	6842	6·5	3 37 45·20	74·99	3	4·656
462	6938	7·0	3 38 16·74	71·96	1	2·686
463	6911	4·8	3 38 23·33	67·97	1	3·557
464	6951	7·0	3 39 56·95	73·94	4	3·789
465	6998	5·0	3 40 14·05	67·92	1	2·830
466	6991	6·9	3 40 56·96	71·52	4	3·539
467	7003	6·5	3 41 50·69	70·57	5	3·916
468		8·8	3 41 57·44	73·00	1	4·241
469	7017	8·0	3 42 44·71	74·46	3	4·244
470	7066	7·8	3 42 59·07	75·97	2	3·257
471	7019	6·0	3 43 34·84	70·93	2	4·816
472	7094	6·5	3 44 16·15	74·57	5	3·733
473	7106	7·0	3 44 46·59	71·81	5	3·767
474	7100	7·0	3 45 46·83	73·62	3	4·758
475	7097	7·0	3 45 52·61	70·52	2	4·946
476	7173	7·0	3 45 52·85	69·90	1	2·720
477	7158	6·6	3 46 2·95	76·45	2	3·599
478	7146	3·0	3 46 16·			3·756
479	7201	7·0	3 47 1·12	72·35	3	2·934
480		8·6	3 47 9·20	74·97	1	3·600
481	7185	6·5	3 47 34·28	71·01	5	3·727
482	7226	7·0	3 47 44·84	81·01	2	2·765
483	7253	4·0	3 48 23·			2·549
484	7236	7·0	3 49 25·55	69·21	5	3·894
485	7243	7·5	3 49 41·26	76·93	5	3·898
486	7266	7·5	3 49 52·26	71·99	5	3·504
487	7316	5·9	3 50 33·			2·848
488	7294	7·3	3 50 53·29	72·01	4	3·569
489	7312	6·8	3 51 28·30	69·02	1	3·647
490	7325	8·0	3 51 36·			3·559
491	7322	7·3	3 52 26·60	74·95	2	4·299
492	7353	8·1	3 53 20·14	75·95	2	4·299
493	7422	6·5	3 53 38·42	70·97	5	2·810
494	7442	7·0	3 54 9·01	82·05	1	2·698
495	7456	5·4	3 54 35·			+2·555

No.	Mean N.P.D. 1875·0	Epoch.	Obs.	Ann. Prec.	Authorities.
451	76° 30′ 53″·3	70·68	3	− 12″·05	W 569, Y 1486, Gl 847.
452	97 48 2·6	74·32	5	12·04	W 585.
453	100 50 28·0	64·91	2	11·97	W 609, Si_2, Si_3 291, Sp
454	61 42 8.0	73·34	3	11·95	W 705, R_2 1859. [1100.
455	47 13 59·0	71·74	4	11·86	W 729.
456	109 59 15·1	64·93	1	11·80	Oe 2454.
457	64 1 5·0	75·96	5	11·77	
458	53 56 11·2	71·33	5	11·76	W 766, Y 1512.
459	115 3 6·6	64·93	1	11·75	Oe 2467, St 1542.
460	100 52 59·8	69·93	2	11·67	See *Notes*.
461	34 28 10·8	73·47	4	11·66	Oe 4091.
462	109 30 48·9	65·95	2	11·63	Oe 2485, see *Notes*.
463	66 1 28·8	67·97	1	11·62	W 829, T 1269, R 965, 12yr.
464	56 47 21·5	71·14	5	11·51	W 859, PM 379. [318, 7yr 261.
465	102 29 41·7	66·40	2	11·49	W 753, Ar 800, RC 1074, [N 7yr 475, Si_3 304.
466	66 57 53·4	71·52	4	11·43	W 885, T 1286, R 987,
467	52 30 32·2	70·96	4	11·37	W 896. [Y 1643.
468	43 17 24·0	73·00	1	11·36	
469	43 16 55·1	74·46	3	11·31	Oe 4196.
470	80 30 15·6	77·96	3	11·29	
471	32 23 56·8	65·46	4	11·25	Oe 4208.
472	59 12 31·8	74·57	5	11·19	W 948.
473	57 58 5·1	71·81	5	11·16	
474	33 27 7·0	73·62	3	11·09	Oe 4239.
475	30 44 7·8	66·98	3	11·08	Oe 4240, Bn, see *Notes*.
476	107 32 32·8	64·92	2	11·08	Oe 2588.
477	64 41 26·6	78·29	3	11·07	W 985, R 1015, Bn.
478	58 29 22·2	66·07	3	11·06	See *Notes*.
479	97 0 27·5	71·52	4	11·00	W 892, Ar 830, Si_2, Sp
480	64 41 10·1	74·97	1	10·99	W 1003, R_2 2000. [1201.
481	59 19 27·7	67·87	7	10·95	W 1010.
482	105 20 35·9	81·01	2	10·94	Oe 2619.
483	114 59 0·3	67·93	2	10·89	See *Notes*.
484	53 52 12·8	70·58	5	10·82	W 1041, Y 1722.
485	53 45 15·7	76·93	5	10·80	
486	69 2 29·2	71·99	5	10·79	W 1057, R_2 2026. [1225.
487	101 13 10·0	70·94	2	10·74	W 963, Bn, Si_3 324, Sp
488	66 16 47·0	72·01	4	10·71	W 1080, R 1043, R_2 2031.
489	63 9 44·6	64·46	2	10·68	R 1045, R_2 2035.
490	66 43 56·3	65·95	1	10·65	W 1090.
491	42 54 19·5	74·95	2	10·60	
492	42 50 49·4	75·95	2	10·53	Oe 4364.
493	102 55 49·2	70·97	5	10·50	W 1039, Si_4 297.
494	108 16 10·9	82·05	1	10·47	Oe 2707.
495	114 22 19·5	67·94	2	− 10·43	See *Notes*.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
496	7383	7·0	$3^h\ 54^m\ 46^s{\cdot}85$	72·38	5	$+4^s{\cdot}686$
497	7419	7·0	3 54 56·56	71·64	5	3·926
498	7475	8·0	3 56 11·69	74·96	4	3·251
499	7489	7·2	3 56 16·81	78·29	3	3·049
500	7470	6·5	3 56 46·76	70·55	2	3·796
501	7498	7·3	3 57 32·			3·845
502	7514	7·2	3 57 40·71	72·20	5	3·768
503	7561	7·0	3 58 55·81	70·57	5	3·825
504	7539	6·0	3 59 31·01	73·32	3	4·692
505	7584	7·5	3 59 46·91	74·02	1	4·173
506	7643	7·	3 59 56·51	82·05	1	2 855
507	7666	7·0	4 0 18·			2·631
508	7507	6·5	4 0 18·11	71·50	2	5·965
509	7612	7·0	4 0 24·12	76·70	4	4·085
510	7647	7·5	4 1 4·32	74·63	3	3·627
511	7661	7·2	4 1 22.75	72·39	5	3·578
512	7665	7·0	4 1 44·23	79·00	1	3·780
513	7683	7·0	4 2 38·05	71·76	5	4·100
514	7745	8·0	4 2 41·			2·703
515	7753	7·5	4 3 49·47	75·01	5	3·399
516	7815	7·5	4 4 25·90	70·94	2	2·661
517	7722	6·5	4 4 47·23	65·11	1	4·886
518	7803	7·5	4 4 56·90	79·01	1	3·576
519	7777	6·5	4 5 0·51	73·37	3	3·811
520	7832	6·2	4 6 34·49	71·77	5	3·965
521	7892	7·0	4 7 19·35	76·20	4	3·323
522	7912	7·5	4 7 32·85	64·93	1	2·849
523	7899	7·3	4 7 59·95	72·01	5	3·792
524	7950	6·5	4 8 22·23	82·05	1	2·726
525	7936	8·5	4 8 34·55	74·01	4	3·132
526	7982	6·5	4 9 19·97	72·00	4	2·721
527	7967	7·1	4 9 41·67	77·95	1	3·410
528	8032	6·5	4 10 26·			2·555
529	8020	7·7	4 10 47·22	73·75	4	3·118
530	7975	6·3	4 11 41·99	70·98	5	4·850
531	8040	6·3	4 12 12·64	74·01	4	3·807
532	7983	6·5	4 12 17·72	70·60	5	5·081
533	8064	7·5	4 12 33·51	75·95	2	3·586
534	8156	7·0	4 14 16·94	64·93	1	2·689
535	8135	7·4	4 14 31·41	73·97	2	3·373
536	8103	6·5	4 14 53·89	71·78	4	4·157
537	8199	6·5	4 15 30·49	79·49	4	2·934
538	8178	3·7	4 15 43·62	67·97	1	3·445
539	8171	7·2	4 16 9·26	71·18	5	3·912
540	8198	8·0	4 16 16·36	73·50	4	+3·573

No.	Mean N.P.D. 1875 0.	Epoch.	Obs.	Ann. Prec.	Authorities.
496	35° 16′ 51″·9	72·38	5	−10″·42	Oe 4397.
497	53 13 48·6	67·86	8	10·41	
498	81 8 6·3	71·46	6	10·31	
499	91 9 1·7	78·29	3	10·31	Sp 1265, L_1 535.
500	57 46 28·5	68·67	3	10·27	W 1187.
501	56 6 9·9	65·94	1	10·21	W 1199.
502	58 50 46·5	72·20	5	10·20	W 1203, Bn.
503	56 53 37·8	69·16	6	10·11	W 1229.
504	35 30 14·5	68·00	5	10·07	Oe 4471.
505	48 50 47·5	74·02	1	10·05	W 1251, Bn, Y 1770′.
506	100 38 10·1	82·05	1	10·03	
507	110 51 9·5	67·96	2	10·00	Oe 2796.
508	21 49 46·6	65·76	4	10·00	Oe 4474.
509	48 49 54·7	76·70	4	10·00	W 1269, Bn, Y 1773′.
510	64 27 26·7	77·56	5	9·95	W 1291, R_2 2126.
511	66 27 46·7	72·39	5	9·92	W 1297, R 1092, R_2 2124.
512	58 41 1·8	79·00	1	9·90	W 1301, Bn.
513	48 34 47·6	71·76	5	9·83	W 1318, Bn.
514	107 35 9·7	64·93	1	9·82	Oe 2834, Bn.
515	74 22 53·4	73·50	6	9·74	W 22, Y 1791.
516	109 19 54·8	70·94	2	9·69	Bn.
517	32 51 42·6	64·98	1	9·66	
518	66 44 58·6	71·93	2	9·65	W 46, R 1106, R_2 2158.
519	57 47 26·0	75·51	4	9·64	
520	52 46 35·9	69·82	6	9·53	W 80. [see *Notes*.
521	77 58 10·5	76·91	5	9·47	W 104, R_2 2183, Gl 1008,
522	100 42 21·0	64·93	1	9·45	W 114, RC_2 469, Si_3 360, Sp 1336
523	58 37 17·6	72·01	5	9·42	W 118, Y 1819. [Y 1815.
524	106 18 42·6	82·05	1	9·39	Bn.
525	87 4 11·6	74·01	4	9·37	W 132.
526	106 29 45·2	73·99	5	9·31	Bn.
527	74 5 47·5	77·95	1	9·28	W 152, R 1136, R_2 2201.
528	113 33 7·5	67·92	1	9·23	Oe 2938, Y 1841, St 1806.
529	87 46 50·0	73·75	4	9·20	W 180, 6yr 273, Bn, Gl 1024.
530	33 47 49·5	69·95	6	9·13	Oe 4693, T_2, 12yr 360, [RC 1195.
531	58 20 3·5	74·01	4	9·09	
532	30 40 58·4	69·66	5	9·08	Bn.
533	66 42 16·0	75·95	2	9·06	W 231.
534	107 45 59·6	64·93	1	8·93	Bn.
535	75 53 22·0	73·97	2	8·91	
536	47 52 1·8	71·78	4	8·88	W 271, R_2 2236, RC 1209.
537	96 34 57·0	79·49	4	8·83	
538	72 45 8·6	66·27	3	8·82	δ' Tauri, see *Notes*.
539	55 3 14·7	71·18	5	8·78	W 303.
540	67 19 44·7	73·50	4	−8·77	RC_2 491.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
541	8214	8·0	$4^h\ 16^m\ 18^s\cdot14$	75·45	2	$+3^s\cdot422$
542	8264	6·	4 16 20·			2·485
543	8139	6·9	4 16 38·64	72·02	5	4·947
544	8242	8·2	4 17 51·51	78·50	2	4·204
545	8248	7·0	4 18 17·79	69·45	5	4·349
546	8300	6·5	4 19 1·76	78·00	3	3·958
547	8342	7·2	4 19 25·85	72·62	5	3·159
548	8344	6·9	4 19 50·97	69·55	5	3·464
549	8352	7·0	4 20 33·93	76·99	3	3·703
550	8389	8·0	4 20 40·82	72·01	2	2·919
551	8396	6·5	4 21 36·71	70·11	1	3·695
552	8458	7·5	4 22 25·15	72·60	5	2·735
553	8418	6·5	4 22 33·19	75·99	1	3·715
554	8495	6·0	4 23 18·54	81·68	3	2·783
555	8430	7·0	4 23 36·00	75·96	2	4·277
556	8468	7·4	4 23 43·05	73·02	5	3·592
557	8455	6·5	4 23 57·08	70·76	5	3·985
558		8·3	4 24 14·			3·412
559	8509	8·0	4 24 43·09	75·01	3	3·550
560	8443	7·2	4 24 59·			5·120
561	8566	6·5	4 25 15·35	64·93	1	2·545
562	8558	5·0	4 25 29·05	73·73	4	3·064
563	8547	8·0	4 25 55·44	79·02	2	3·618
564	8589	6·0	4 26 22·37	72·56	4	2·998
565	8618	7·0	4 27 16·99	82·05	1	2·793
566	8605	6·5	4 28 17·59	75·75	4	3·990
567	8615	6·5	4 29 0·01	75·50	2	4·348
568	8669	6·7	4 29 24·45	81·01	1	3·315
569	8667	5·4	4 30 4·28	72·56	2	4·701
570	8693	7·0	4 30 46·29	75·25	4	3·694
571	8715	5·7	4 30 47·30	80·91	1	3·088
572	8705	6·0	4 30 53·36	69·96	5	3·533
573	8726	6·3	4 31 45·79	71·06	5	3·649
574	8742	6·5	4 32 28·42	75·51	4	3·781
575	8775	6·0	4 33 5·79	75·98	1	3·335
576	8789	7·0	4 34 20·17	69·96	5	4·050
577	8804	7·3	4 34 30·86	72·42	5	3·620
578	8847	7·0	4 34 59·63	81·30	3	2·919
579	8806	7·5	4 35 15·94	72·24	5	4·200
580	8880	6·5	4 35 52·79	82·05	1	2·791
581	8825	7·0	4 36 12·60	72·99	4	4·423
582	8890	7·0	4 36 32·34	73·05	2	2·941
583		8·6	4 36 50·			4·315
584	8863	9·0	4 37 21·			4·883
585	8892	6·5	4 38 6·98	69·96	5	$+4\cdot126$

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
541	73° 39′ 45″·4	75·45	2	−8″·77	W 317, Y 1872.
542	116 1 26·4	67·92	1	8·76	T 1523, Ar 931, Y 1873,
543	32 42 11·6	72·02	5	8·74	[St 1850.
544	46 48 39·1	79·65	3	8·65	W 343.
545	43 25 19·9	67·88	6	8·61	Oe 4806, RC 1225.
546	53 45 52·6	78·98	4	8·55	W 379.
547	85 54 46·9	72·62	5	8·52	W 377, Si_1.
548	72 4 36·2	68·38	5	8·49	W 401, PM 441, R 1197.
549	62 30 6·5	76·99	3	8·43	W 411.
550	97 9 58·8	67·98	3	8·42	W 409, Sp 1421.
551	62 52 25·9	65·09	2	8·35	W 436, Y 1906.
552	105 27 42·1	72·60	5	8·28	Oe 3097.
553	62 8 48·5	78·98	2	8·27	W 458, Y 1909.
554	103 19 31·4	81·75	4	8·21	W 467, Si_4 349.
555	45 22 9·1	75·96	2	8·19	Oe 4890, RC 1248.
556	66 55 34·7	73·02	5	8·18	W 488, R 1223.
557	53 13 42·4	70·76	5	8·16	
558	74 27 21·2	66·00	3	8·14	R 1227, Ar 965, R_2 2327.
559	68 38 17·1	75·01	3	8·10	W 515, R 1230.
560	30 51 49·5	60·02	2	8·08	
561	113 17 50·2	64·93	1	8·06	Oe 3134, Y 1927, St 1921.
562	90 18 51·1	73·73	4	8·04	W 509, T 1584, Si_1, RC
563	65 59 14·6	79·02	2	8·00	W 530. [1258, RC_2 516.
564	93 28 38·0	72·56	4	7·97	W 526, Si_2, Bn, Gl 1097.
565	102 48 30·1	82·05	1	7·89	W 559, Si_4 357, Sp 1460,
					[*Notes*.
566	53 18 17·6	72·61	5	7·81	
567	44 1 20·6	75·48	2	7·76	Oe 4980.
568	78 50 46·6	81·01	1	7·72	W 600. [430, B 104.
569	37 10 20·5	69·04	4	7·67	Ar 984, Oe 4987, RC 1276, 9yr
570	63 18 40·2	72·22	5	7·61	W 642, PM 458.
571	89 15 23·8	81·61	3	7·61	W 639, 9yr 432.
572	69 34 6·7	69·96	5	7·60	W 650.
573	65 1 54·8	71·06	5	7·53	W 666.
574	60 16 30·1	75·51	4	7·47	W 680.
575	78 2 58·8	68·63	3	7·42	See *Notes*.
576	51 48 55·0	69·96	5	7·32	W 714, Y 1977
577	66 13 56·0	72·42	5	7·31	W 726, R 1248.
578	96 59 32·4	81·57	5	7·27	W 741, Si_2, Sp 1497.
579	47 49 12·3	72·24	5	7·25	W 730, PM 464, RC 1298.
580	102 43 5·8	82·05	1	7·20	W 765, Si_3 429, Sp 1508.
581	42 45 34·1	72·99	4	7·17	Oe 5097, Bn.
582	95 59 47·4	73·05	2	7·14	W 779.
583	45 8 22·9	67·00	2	7·12	W 769, Oe 5116, see
584	34 38 2·9	68·01	1	7·08	Ar 1015. [*Notes*.
585	49 55 1·5	69·96	5	−7·01	W 801.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
586	8910	7·0	$4^h\ 38^m\ 9·87$	79·05	1	$+3^s·614$
587	8901	7·0	4 38 49·27	72·71	3	4·337
588	8943	5·7	4 39 4·61	71·04	4	3·327
589	8932	7·5	4 39 24·82	73·69	3	4·001
590	8970	8·0	4 39 33·88	78·45	2	3·003
591	8969	8·1	4 39 43·28	72·02	4	3·138
592	8989	7·0	4 40 8·04	79·00	1	3·003
593	8966	6·3	4 40 26·43	71·58	2	3·769
594	9031	7·2	4 41 56·34	81·01	4	3·127
595	9037	7·0	4 42 10·93	73·52	4	3·146
596	8964	6·9	4 42 24·40	65·01	1	5·373
597	9019	8·0	4 42 26·07	70·18	5	4·041
598	9018	7·2	4 43 16·97	70·04	5	4·725
599	9083	8·2	4 43 38·95	73·96	1	3·148
600	9072	6·8	4 44 11·50	70·06	5	3·830
601	9119	7·8	4 45 5·41	68·00	1	3·287
602	9033	7·4	4 45 21·			5·797
603	9152	8·2	4 45 44·50	76·98	5	3·101
604	9136	6·5	4 46 1·70	76·81	2	3·613
605	9085	7·0	4 46 19·39	70·74	3	5·176
606	9172	7·2	4 47 23·69	71·37	3	3·864
607	9195	7·0	4 47 37·48	69·23	5	3·517
608	9188	6·8	4 47 47·			3·817
609	9185	6·5	4 47 59·52	79·34	3	3·995
610	9223	6·5	4 48 38·96	65·05	2	3·649
611	9210	7·0	4 50 22·07	68·03	2	5·363
612	9260	7·1	4 50 55·55	69·85	5	4·209
613	9316	7·3	4 50 56·75	73·31	4	3·044
614	9354	6·	4 52 1·50	77·40	5	2·743
615	9332	7·2	4 52 6·80	72·42	5	3·728
616	9306	7·5	4 52 11·49	80·91	1	4·363
617		7·5	4 52 12·56	83·02	1	2·984
618	9362	8·2	4 52 48·74	82·05	1	3·557
619	9420	6·5	4 53 26·06	65·12	1	2·691
620	9385	7·2	4 53 59·64	75·00	2	3·711
621	9409	8·0	4 54 19·81	69·84	5	3·555
622	9434	7·0	4 54 21·94	74·50	2	3·021
623	9424	7·3	4 55 11·71	72·07	2	4·043
624	9491	7·0	4 55 55·23	79·02	1	2·820
625	9489	8·2	4 56 10·94	72·04	5	3·146
626	9493	7·5	4 57 5·00	76·61	5	3·715
627	9428	6·9	4 57 36·08	64·94	1	5·804
628	9504	6·5	4 57 40·02	70·12	5	4·000
629	9588	8·0	4 58 56·30	65·98	1	2·801
630	9581	6·0	4 58 56·60	78·10	2	$+3·095$

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
586	66° 36′ 16″·9	79·01	1	−7″·00	W 815, Ar 1022, Y 2006.
587	44 44 17·5	72·71	3	6·96	W818, Ar1023, Oe5159, RC 1308
588	78 31 30·6	71·04	4	6·94	W818, R 1273, R_2 2390, Gl 1154.
589	53 30 18·4	71·02	5	6·91	
590	93 8 23·0	78·45	2	6·90	W 832, Si_2, Sp 1529, Gl [1157.
591	86 57 43·7	72·02	4	6·88	
592	93 10 56·6	79·00	1	6·85	W 846, Si_2, Gl 1160.
593	60 59 16·4	75·04	3	6·82	W 864.
594	87 30 39·5	81·01	4	6·70	W 875, Si_1.
595	86 38 1·9	73·52	4	6·68	W 881, Si_1.
596	28 43 53·0	60·08	2	6·66	Oe 5203, Bn.
597	52 27 34·9	69·47	6	6·66	W 917.
598	37 22 22·8	70·04	5	6·59	Oe 5233, RC 1326.
599	86 32 11·6	73·96	1	6·56	W 914.
600	59 2 47·5	71·06	5	6·51	W 960.
601	80 20 20·6	68·00	1	6·44	R_2 2433.
602	24 55 31·1	60·07	2	6·42	Oe 5250.
603	88 42 7·3	76·72	4	6·39	W 972, Ar 1055, Bn, Y
604	66 53 41·6	76·81	2	6·36	12yr408. [2061, Gl 1183.
605	31 4 59·0	68·08	4	6·34	Oe 5279.
606	58 2 59·2	71·37	3	6·25	
607	70 43 8·2	69·23	5	6·23	W 1038, R 1313, R_2 2446.
608	59 39 9·9	64·98	1	6·21	W 1034.
609	54 2 3·8	76·01	5	6·20	W 1036.
610	65 36 34·9	75·98	2	6·15	W 1067, CA 115, T_2, Y [2081, 9yr455, St 2136.
611	29 6 26·0	66·56	2	6·00	
612	48 19 14·4	69·85	5	5·95	R_2 2469.
613	91 15 49·7	73·31	4	5·95	W 1094, Gl 1206.
614	104 25 38·1	80·40	5	5·86	7yr 361, N7yr 630.
615	62 51 56·2	72·42	5	5·85	R_2 2480.
616	44 44 35·7	70·50	2	5·85	Oe 5382, Bn.
617	93 55 41·5	83·02	1	5·85	
618	69 15 44·3	82·05	1	5·80	W 1170, R_2 2488, 7yr
619	106 34			5·74	Oe 3546, Bn. [362.
620	63 30 59·9	77·32	3	5·70	W 1192, PM 502, R 1346, [R_2 2495.
621	69 21 9·1	68·25	6	5·67	W 1208.
622	92 15 14·7	71·33	3	5·67	W 1181, Si_2, Sp 1608.
623	52 54 46·3	69·08	4	5·59	W 1218. [*Note.*
624	101 7 5·2	80·48	2	5·54	W 1230, Si_2, Si_3 470,
625	86 43 27·6	72·04	5	5·51	W 1229, Sp 1620, Gl 1226
626	63 27 20·8	74·83	6	5·44	W 1270.
627	25 14 34·4	60·08	1	5·40	Oe 5475.
628	54 14 16·7	71·62	5	5·39	W 1280.
629	101 51 57·5	64·93	1	5·28	W 1304, Si_3 479.
630	88 59 45·8	78·10	2	−5·28	W 1296, Si_1, Gl 1239.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
631	9567	7·0	4h 59m 10s·14	69·27	5	+3s·601
632	9594	7·9	4 59 30·60	73·03	5	3·154
633	9598	7·8	4 59 54·30	75·99	1	3·436
634	9647	3·8	5 0 10·			2·536
635	9659	6·0	5 0 50·64	79·06	1	2·767
636	9630	7·8	5 0 55·73	73·03	4	3·435
637	9683	7·0	5 1 35·94	81·55	2	2·782
638	9653	5·5	5 1 54·20	71·31	4	3·757
639	9699	7·0	5 2 23·22	74·23	5	3·141
640	9697	7·1	5 3 34·05	71·22	5	4·158
641	9664	6·5	5 4 11·98	69·13	1	5·251
642	9764	7·0	5 5 1·86	82·01	2	3·012
643	9743	7·0	5 5 22·43	76·24	5	4·047
644	9754	7·0	5 5 54·			4·467
645	9769	7·5	5 6 14·80	71·80	4	3·831
646	9802	6·8	5 7 2·10	72·50	2	3·114
647		6·0	5 9 7·60	68·00	1	3·330
648	9849	9·0	5 9 9·94	81·01	1	2·992
649	9827	6·5	5 9 21·30	71·21	5	3·789
650	9854	7·8	5 9 53·81	73·96	1	3·451
651	9831	7·3	5 9 55·54	71·32	4	4·038
652	9886	7·0	5 10 19·68	78·10	2	2·808
653	9864	7·8	5 10 57·25	78·25	4	3·979
654	9890	7·5	5 11 45·30	70·49	4	4·041
655	9973	6·5	5 13 15·50	80·01	2	3·037
656	9971	8·0	5 13 17·77	73·70	2	3·128
657	9955	7·7	5 13 47·79	71·86	5	4·027
658	10023	7·0	5 14 18·03	65·12	1	2·947
659	10028	7·3	5 14 43·88	79·06	1	3·161
660	10011	6·8	5 15 25·99	71·01	5	4·035
661	10041	6·8	5 16 20·30	70·55	4	4·028
662	10066	8·5	5 16 54·48	75·77	4	3·983
663	10107	7·5	5 17 44·73	81·01	1	3·562
664	10145	5·0	5 18 15·			3·112
665	10165	8·0	5 18 45·37	65·12	1	3·005
666	10179	6·0	5 19 52·63	64·97	1	3·496
667	10190	7·1	5 19 54·97	75·05	1	3·228
668	10168	6·7	5 20 7·98	71·31	4	3·981
669	10210	7·7	5 20 52·73	76·55	4	3·622
670	10209	6·6	5 21 21·35	69·67	5	4·005
671	10223	7·7	5 21 32·26	74·53	4	3·936
672	10308	7·0	5 22 42·64	65·12	1	2·993
673	10293	7·5	5 22 46 12	73·51	4	3·451
674	10271	7·8	5 22 57·			4·055
675	10339	7·4	5 23 43·61	75·06	1	+3·167

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
631	67° 39′ 38″·0	70·62	7	−5″·26	W 1325, R_2 2531.
632	86 23 1·0	73·03	5	5·23	W 1315, Si_1.
633	74 13 59·7	75·99	1	5·20	W 1350, R 1385, R_2 2540.
634	112 32 26·0	68·01	1	5·17	See *Notes*.
635	103 17 32·9	79·06	1	5·12	W 1361, R_2 2546, Si_4 399.
636	74 18 41·4	73·04	5	5·11	W 1387, R 1390.
637	102 39 18·5	81·55	2	5·06	W 1379, Si_3 486, Y 2167.
638	62 7 48·7	67·57	6	5·03	W 1421, PM 521, R_2 2549.
639	86 56 39·6	74·23	5	4·99	Sp 1655.
640	50 3 19·0	69·36	6	4·89	W 5.
641	30 44 43·3	74·72	3	4·84	Oe 5599.
642	92 38 51·3	82·01	2	4·76	W 57, Si_2, Gl 1266.
643	53 7 5·6	76·24	5	4·74	W 72.
644	42 58 26·4	60·06	2	4·69	Oe 5637.
645	59 45 0·0	71·80	4	4·66	W 111, Y 2192.
646	88 10 57·1	72·50	2	4·59	[Gl 1283.
647	78 48 5·0	68·00	1	4·42	W 166, T 1880, Ar 1145,
648	93 30 37·4	81·48	2	4·41	W 175, R 1401.
649	61 14 8·3	72·07	4	4·40	W 207.
650	73 47 18·6	73·96	1	4·35	W 236.
651	53 30 22·2	71·68	5	4·34	
652	101 28 38·1	69·01	2	4·31	W 208, Si_3 503.
653	55 14 41·7	78·25	4	4·26	
654	53 27 29·1	70·49	4	4·19	
655	91 32 38·2	80·01	2	4·06	W 261, Si_2.
656	87 36 51·1	73·40	3	4·06	W 259, T 1917.
657	53 55 36·1	71·86	5	4·02	
658	95 29			3·97	W 296, Si_2. [1733, Gl 1305.
659	86 6 55·4	79·06	1	3·94	W 303, R_2 2580, 12yr 444, Sp
660	53 43 23·5	69·19	6	3·88	W 385, R 1422.
661	53 55 8·0	70·55	4	3·80	W 406.
662	55 15 39·5	72·71	6	3·75	PM 563.
663	69 31 58·4	70·55	2	3·68	W 462.
664	88 16 11·1	68·00	1	3·63	See *Notes*.
655	92 55 48·9	65·12	1	3·59	W 405, Si_2, Sp 1767, Gl [1323.
666	72 8 49·7	64·97	1	3·49	T 1970, Ar 1188, 7yr 399, N7yr
667	83 14 30·3	75·05	1	3·49	W 431, Gl 1328. [692, Y 2258.
668	55 24 37·2	71·31	4	3·47	W 525.
669	67 21 49·2	77·64	5	3·41	W 558, R 1435, R_2 2610.
670	54 43 44·3	69·67	5	3·37	
671	56 45 32·6	73·43	5	3·35	
672	93 24			3·25	W 520, Si_2.
673	73 57 3·2	70·82	5	3·25	W 625.
674	53 19 11·5	60·06	2	3·22	
675	85 53 39·6	75·06	1	−3·16	W 543, Si_1, Gl 1345.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
676	10324	7·0	$5^h\ 24^m\ 27^s{\cdot}34$	71·66	5	$+4^s{\cdot}040$
677	10394	7·0	5 25 5·14	73·96	3	2·836
678	10400	7·5	5 25 29·15	71·59	4	2·996
679	10437	6·0	5 26 22·12	66·12	1	3·033
680	10408	7·3	5 26 54·90	69·97	1	4·099
681	10456	7·4	5 27 10·75	80·53	2	3·043
682	10496	7·7	5 28 5·35	74·08	2	3·070
683	10492	6·5	5 28 19·57	70·69	5	3·371
684	10518	7·5	5 28 35·55	81·01	1	2·825
685	10489	6·6	5 28 45·48	71·22	4	3·714
686	10540	5·5	5 29 13·19	68·00	1	2·958
687	10525	6·7	5 29 20·71	79·06	1	3·743
688	10505	7·0	5 29 50·72	70·82	4	4·254
689	10548	3·1	5 30 10·56	80·05	2	3·583
690		8·5	5 31 3·			3·279
691	10607	7·0	5 31 56·63	71·27	5	3·600
692	10615	6·4	5 32 30·61	72·94	1	3·879
693	10636	7·8	5 32 46·24	73·58	4	3·545
694	10630	7·9	5 32 59·17	68·98	5	3·962
695	10682	7·8	5 33 20·71	82·05	1	3·105
696		7·0	5 34 21·52	71·04	2	3·005
697	10709	8·2	5 34 26·49	71·10	3	3·622
698	10703	7·1	5 34 44·87	72·06	2	3·943
699	10776	7·0	5 35 24·22	80·09	1	3·003
700	10795	5·7	5 36 0·57	68·01	1	3·105
701	10687	7·3	5 36 11·47	70·65	4	5·262
702	10826	7·0	5 36 49·96	65·12	1	2·912
703	10722	6·5	5 37 19·02	69·06	1	5·656
704	10805	6·7	5 37 24·05	73·82	4	3·880
705	10842	7·0	5 37 59·44	73·25	7	3·375
706	10881	7·0	5 38 29·10	80·65	2	2·910
707	10769	6·2	5 39 28·58	69·13	1	6·440
708	10895	6·2	5 39 34·			3·448
709	10871	6·5	5 39 34·78	70·84	5	4·008
710	10918	6·1	5 40 8·			3·497
711	10908	7·0	5 40 43·84	71·68	3	4·139
712	10969	7·5	5 41 1·48	79·37	3	3·364
713	10923	7·9	5 41 4·			4·138
714	10968	5·3	5 41 20·76	70·87	5	3·680
715	10975	7·0	5 41 47·28	71·08	2	3·766
716	11060	8·	5 42 58·25	65·52	2	2·731
717	11021	6·5	5 43 5·			3·779
718	11026	7·2	5 43 36·70	71·03	3	4·133
719	11086	6·	5 43 55·72	77·23	6	2·727
720	11066	6·8	5 44 57·62	70·02	5	$+4{\cdot}088$

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
676	53° 46′ 23″·9	71·66	5	− 3″·10	
677	100 10 3·2	75·95	4	3·05	W 596, Si_2, Si_3 528, *Note*.
678	93 18 40·9	71·59	4	3·01	W 601.
679	91 41 2·7	66·12	1	2·93	W 619, Si_2, L_1 722.
680	52 11 4·1	65·02	2	2·88	W 736.
681	91 14 47·7	80·53	2	2·86	12yr 468, 7yr 412, L_1 728.
682	90 5 56·8	74·08	2	2·78	W 658, 6yr 393.
683	79 50 42·0	70·69	5	2·76	R_2 2648.
684	100 35 17·3	81·48	2	2·74	W 686, Si_2, Si_3 536.
685	64 8 39·2	71·22	4	2·72	W 816.
686	94 55 19·8	68·00	1	2·69	T 2049, Ar 1241, Si_2, St
687	63 9 23·2	79·06	1	2·67	W 842, Gl 1364. [2489.
688	48 14 15·1	70·82	4	2·63	
689	68 56 10·2	76·00	3	2·61	ζ Tauri, see *Notes*.
690	81 7 40·7	61·55	2	2·53	W 740, Ar 1253.
691	68 18 35·0	71·27	5	2·45	W 953.
692	58 42 47·9	72·94	1	2·40	W 962.
693	70 23 26·9	73·58	4	2·38	W 989, R 1505.
694	56 9 0·0	65·98	5	2·36	
695	88 34 44·8	82·05	1	2·32	W 817, Sp 1870, Gl 1383.
696	92 53 36·5	75·01	2	2·24	W 844, Si_2.
697	67 30 53·1	70·33	4	2·23	R 1517, Ar 1268.
698	56 44 55·1	72·06	2	2·20	W 1066, PM 621.
699	92 57 45·8	80·09	1	2·15	W 881.
700	88 35 15·4	68·01	1	2·10	W 892, T 2112, R, Ar 1275, [Si_1, Sp 1891
701	31 16 12·8	69·01	6	2·08	Oe 6147.
702	96 51			2·02	W 921, Si_2, Sp 1897.
703	27 14 31·8	64·57	2	1·98	Oe 6165.
704	58 43 50·9	73·82	4	1·97	W 1180, Y 2371.
705	77 10 1·8	73·25	7	1·92	W 939, Sp 1905, Gl 1407.
706	96 55 13·9	81·99	1	1·88	W 964, Si_2.
707	21 34 8·3	69·13	1	1·80	
708	74 13 43·5	66·05	3	1·79	See *Notes*.
709	54 53 23·5	69·04	6	1·78	W 1260, Y 2377.
710	72 19 11·0	67·50	2	1·74	Ar 1290, R_2 2730, 6yr 412. [B 146.
711	51 18 21·7	72·58	2	1·68	W 1296, Ar 1294, Y 2385.
712	77 37 43·0	79·37	3	1·66	R_2 2739, Sp 1926.
713	51 20 50 8	69·87	1	1·66	W 1301, Ar 1298, Y 2389.
714	65 28 35·5	70·87	5	1·63	R 1572, 12yr 493, 6yr 414,
715	62 29 26·5	71·08	2	1·59	W 1341, R 1575. [9yr 551
716	104 21			1·49	L_5 126.
717	62 4 19·7	67·50	2	1·48	Ar 1309, Gl 1438.
718	51 28 33·2	68·41	5	1·43	W 1387, PM 646.
719	104 31 21·3	76·65	7	1·41	W 1100, Si_4 477.
720	52 41 47·8	68·03	5	− 1·31	W 1436, R 1597, R_2 2765.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
721	11088	6·0	$5^h\ 44^m\ 59^s{\cdot}23$	74·82	4	$+3^s{\cdot}553$
722	11098	7·8	5 45 54·47	76·55	2	3·673
723	11123	7·5	5 46 13·48	70·04	2	3·351
724	11127	7·3	5 47 20·68	72·61	2	4·075
725	11113	6·5	5 47 28·04	71·10	1	4·607
726	11153	6·3	5 47 32·			3·551
727	11195	7·5	5 47 56·01	65·12	1	2·682
728	11158	7·3	5 48 18·99	75·05	3	4·126
729	11196	7·0	5 48 54·88	76·30	4	3·403
730	11217	6·5	5 49 36·07	75·06	1	3·296
731	11211	7·5	5 49 37·50	71·88	6	3·464
732	11239	7·5	5 50 24·09	72·61	2	3·406
733	11253	7·3	5 51 8·47	69·72	6	3·717
734	11247	6·5	5 52 6·76	71·83	4	4·606
735	11293	7·2	5 52 9·40	79·56	4	3·601
736	11326	6·8	5 53 9·			3·770
737	11340	7·5	5 53 15·78	75·37	3	3·371
738	11382	6·0	5 53 48·17	73·61	4	3·000
739	11339	6·4	5 54 17·04	69·06	1	4·315
740	11367	7·1	5 54 26·23	69·65	5	3·926
741	11374	6·5	5 54 43·27	75·06	1	3·928
742	11411	7·0	5 56 2·28	73·04	5	4·138
743	11447	5·1	5 56 29·			3·562
744	11492	6·	5 56 52·68	82·04	1	2·726
745	11458	6·3	5 57 18·68	71·87	5	3·960
746	11471	6·1	5 57 46·90	72·69	5	4·022
747	11537	7·5	5 57 48·22	65·12	1	2·499
748	11493	6·8	5 58 52·34	69·42	3	4·305
749	11598	5·	5 59 24·			2·677
750	11528	7·4	5 59 29·89	69·06	1	4·046
751	11637	6·0	6 0 29·96	68·06	1	2·716
752	11559	7·4	6 0 38·88	65·06	1	4·326
753	11700	6·0	6 2 15·			2·608
754	11688	8·0	6 2 26·54	71·62	4	3·131
755	11635	6·9	6 2 29·08	69·97	1	4·327
756	11705	7·5	6 2 30·28	66·12	1	2·691
757	11706	6·5	6 2 44·89	82·09	1	2·886
758	11694	7·5	6 3 3·67	69·03	7	3·454
759	11730	8·5	6 3 28·38	82·02	2	2·939
760	11710	6·0	6 4 8·64	71·50	6	3·931
761	11759	5·8	6 4 50·			3·459
762	11736	7·0	6 4 59·77	73·05	4	4·086
763	11821	7·5	6 5 44·60	65·06	1	2·695
764	11767	8·0	6 6 20·39	71·40	3	4·439
765	11857	7·5	6 6 53·14	60·14	1	$+2{\cdot}957$

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities
721	70° 10′ 0″·0	76·24	5	−1″·31	
722	65 44 38·8	76·55	2	1·23	W 1476, 12yr 510.
723	78 12 47·3	70·04	2	1·21	
724	53 5 13·9	68·45	3	1·11	W 1506.
725	40 59 35·3	66·77	3	1·10	Oe 6326, Bn.
726	70 16 35·7	68·00	1	1·09	T 2201, Ar 1335, N 7yr
727	106 17			1·05	Bn. [765, 9yr 564, Gl 1459.
728	51 44 2·1	71·31	4	1·02	
729	76 4 55·1	77·43	5	0·97	W 1206, Gl 1465, *Note.*
730	80 30 40·1	75·06	1	0·91	W 1226, Si_1, Gl 1467.
731	73 39 55·1	70·89	6	0·91	W 1591.
732	75 57 28·5	72·61	2	0·84	W 1247, Gl 1469.
733	64 14 13·8	69·72	6	0·78	
734	41 2 57·6	69·09	4	0·69	
735	68 24 28·9	79·56	4	0·69	R 1642.
736	62 26 10·3	68·00	1	0·60	W 1705, T 2244, R 1650.
737	77 23 54·2	77·02	4	0·59	W 1323, Gl 1481.
738	93 4 51·3	70·82	3	0·54	W 1350, Si.
739	47 5			0·50	CA 141, RC 1615, RC_2 663, 9yr
740	57 24 47·6	69·65	5	0·49	W 1751. [575, Gl 1486.
741	57 21 36·3	75·06	1	0·46	W 1758, *Note.*
742	51 25 26·8	70·88	6	0·35	W 1794, R_3 2808, RC
743	69 51 37·4	62·50	4	0·31	See *Notes.* [1622.
744	104 29 54·0	82·04	1	0·27	
745	56 23 47·5	71·87	5	0·23	W 1836.
746	54 35 45·2	75·88	5	0·19	Y 2507.
747	113 13			0·19	Oe 4580.
748	47 19 26·5	69·62	5	0·10	W 1889.
749	106 28 39·7	68·05	1	0·05	T 2295, 9yr 582, St 2768.
750	53 55 17·4	64·57	2	−0·05	Y 2519.
751	104 55 33·6	66·56	2	+0·04	See *Notes.*
752	46 50 34·8	60·05	1	0·06	W 1948.
753	109 9 10·4	68·02	2	0·20	See *Notes.*
754	87 28 55·9	71·62	4	0·21	W 1586, Si_1, Bn.
755	46 48 52·3	69·97	1	0·22	W 2025.
756	105 53			0·22	Oe 4673.
757	97 55 9·6	82·09	1	0·24	L_3 81.
758	74 4 19·4	68·50	7	0·27	W 6.
759	95 41 31·7	82·02	2	0·30	W 34.
760	57 16 52·2	71·50	5	0·36	W 26.
761	73 50 37·5	68·04	1	0·42	W 67, R 1751, A 1399,
762	52 48 44·8	70·46	5	0·44	W 54. [N 7yr 793.
763	105 46 0·9	60·05	1	0·50	Oe 4747, Bn.
764	44 21 19·9	71·40	3	0·55	Oe 6644.
765	94 54 11·1	60·14	1	+0·60	W 154, Si_2, Sp 2092.

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
766	11867	7·5	6	7m	2s·80	66·14	1	+ 2s·956
767	11839	6·5	6	7	10·45	69·70	3	3·505
768	11864	7·7	6	7	34·71	69·91	5	3·421
769	11875	7·0	6	8	19·55	75·07	4	3·848
770	11901	6·5	6	9	9·88	75·58	4	4·014
771	11969	7·0	6	10	27·37	76·04	2	3·408
772	12018	6·5	6	10	38·82	74·43	3	3·192
773	11989	6·0	6	10	58·72	70·29	5	3·416
774	12007	6·5	6	11	45·86	68·49	5	3·490
775	12038	6·6	6	12	28·23	70·69	5	3·457
776		8·7	6	12	46·68	82·05	1	3·193
777	12057	5·8	6	12	56·53	76·28	5	3·422
778	12070	7·0	6	14	3·48	70·87	4	3·843
779	12143	7·5	6	14	39·31	70·15	1	2·966
780	12096	7·0	6	14	49·97	68·81	4	4·027
781	12176	6·5	6	15	35·24	81·98	1	2·797
782	12134	6·8	6	15	57·98	69·89	5	4·091
783	12182	7·5	6	17	3·31	70·11	5	3·916
784	12216	6·4	6	17	12·23	76·83	4	3·282
785	12217	7·2	6	17	41·45	70·69	5	3·659
786	12246	6·5	6	18	20·14	72·61	2	3·424
787	12262	7·4	6	18	50·56	74·12	3	3·527
788	12296	7·4	6	20	21·90	69·89	5	4·060
789	12323	6·8	6	20	30·50	69·88	5	3·572
790	12325	8·1	6	20	40·92	72·37	4	3·589
791	12359	7·5	6	20	47·14	80·56	2	2·970
792	12316	6·1	6	20	48·12	70·17	1	3·142
793	12366	7·0	6	22	20·51	72·13	1	4·183
794	12402	7·5	6	22	48·84	76·10	3	3·626
795	12387	6·5	6	23	1·32	69·71	5	4·084
796	12437	7·2	6	24	17·53	72·78	3	4·183
797	12444	6·5	6	24	18·37	71·12	5	4·016
798	12494	5·5	6	24	50·13	77·46	3	3·346
799		6·8	6	25	21·			5·216
800	12489	6·5	6	25	30·57	69·90	4	3·939
801	12475	7·5	6	25	39·48	72·55	4	4·318
802	12587	5·9	6	27	17·21	71·75	6	3·046
803	12596	7·5	6	27	35·91	75·78	3	3·141
804	12590	7·3	6	27	47·96	70·51	5	3·438
805	12628	7·5	6	29	0·05	73·06	3	3·398
806	12648	7·0	6	30	1·67	69·09	2	3·868
807	12676	4·8	6	30	23·84	67·70	2	4·291
808	12716	6·8	6	31	51·56	72·57	4	3·681
809	12801	6·5	6	33	1·20	80·56	2	2·674
810	12751	6·5	6	33	13·85	69·74	5	+ 4·035

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
766	94° 58′			+0″·62	W 158, Si_2.
767	72 3 36·5	67·65	5	0·63	W 148.
768	75 22 43·5	68·27	6	0·66	W 163, PM 702.
769	59 51 33·2	75·07	4	0·73	PM 703, R 1773.
770	54 48 42·4	72·81	4	0·80	W 194, Ar 1415, N 7yr [803, RC_2 682, Y 2582.
771	75 53 54·7	76·04	2	0·91	
772	84 51 45·3	74·43	3	0·93	See *Notes*.
773	75 34 21·8	70·29	5	0·96	W 272, R_2 2920, Gl 1542.
774	72 37 39·1	66·26	6	1·03	W 286.
775	73 56 15·5	70·69	5	1·09	
776	84 50 49·6	82·05	1	1·12	
777	75 17 53·7	76·84	4	1·13	
778	59 58 50·5	70·87	4	1·23	W 340, R 1825, 12yr 548.
779	94 32 27·1	70·15	1	1·28	
780	54 25 18·0	67·54	4	1·30	W 363.
781	101 43 3·3	81·98	1	1·36	W 427, Si 669, L_5 275.
782	52 37 17·9	69·89	5	1·40	Y 2611.
783	57 39 50·8	70·11	5	1·49	W 432, R 1843.
784	81 3 9·3	76·83	4	1·50	W 466, Si_1.
785	66 13 27·2	68·92	6	1·55	W 453.
786	75 12 40·4	72·61	2	1·60	W 492, Gl 1559.
787	71 10 8·9	74·12	3	1·65	W 489.
788	53 26 13·4	66·73	6	1·78	W 529.
789	69 25 51·3	69·83	4	1·79	W 544, R 1864, Ar 1458,
790	68 46 6·5	72·37	4	1·81	[N 7yr 822, 9yr 619.
791	94 23 14·1	75·39	3	1·82	?Sp 2207.
792	87 1 9·1	70·17	1	1·82	
793	50 9 49·8	72·13	1	1·95	W 586.
794	67 22 28·2	76·10	3	1·99	W 616, T_2, R 1882.
795	52 44 20·2	68·30	5	2·01	W 611.
796	50 7 43·7	72·78	3	2·12	
797	54 37 9·8	71·12	5	2·12	W 654.
798	78 22 15·9	77·46	3	2·17	W 705, Sp 2237, Gl 1583.
799	31 47 32·6	66·56	2	2·22	T_2, Ar 1476, RC 1757, N 7yr 834, 9yr 630.
800	56 53 10·1	71·91	5	2·23	W 696, R 1896, 12yr 570, [6yr 489.
801	46 50 29·0	69·30	6	2·24	W 689.
802	91 7 38.9	71·75	6	2·38	W 776, L_1 998, Gl 1594.
803	87 0 35·0	75·78	3	2·41	Sp 2260.
804	74 34 27·6	70·88	4	2·43	
805	76 12 26·7	70·63	5	2·53	R 1929.
806	59 0 24·6	66·09	3	2·62	[643.
807	47 24 13·7	67·10	5	2·65	Ar 1507, RC 1781, 9yr
808	65 17 42·9	72·57	4	2·78	W 909, R 1946, Y 2681.
809	106 45 55·7	80·56	2	2·88	Bn.
810	53 57 14·3	68·54	5	+2·88	W 948.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
811	12825	6·0	$6^h\ 33^m\ 34^s{\cdot}17$	72·61	4	$+2^s{\cdot}742$
812		8·1	6 33 48·10	66·56	2	5·323
813	12813	7·3	6 34 9·29	69·49	5	3·464
814	12798	6·5	6 34 44·33	75·60	4	4·078
815	12849	6·7	6 35 47·79	76·40	3	4·040
816	12907	5·5	6 35 58·04	65·06	1	2·862
817	12917	7·0	6 36 33·47	73·14	4	3·145
818	12943	8·5	6 37 47·57	71·12	3	3·726
819	12962	7·3	6 38 35·14	70·10	5	3·645
820	12985	6·9	6 39 0·			3·525
821	13027	7·0	6 39 17·05	68·07	1	2·620
822	12976	8·0	6 39 46·87	65·06	1	4·342
823	13059	6·	6 40 18·48	70·58	2	2·725
824	12997	7·6	6 40 20·07	70·10	3	4·339
825	13048	5·8	6 41 32·46	70·32	5	3·918
826	13055	6·9	6 41 53·22	73·60	4	4·000
827	13119	7·0	6 44 0·28	69·13	3	4·384
828	13171	6·5	6 44 24·65	70·83	4	3·649
829	13198	6·7	6 44 27·00	71·39	4	3·063
830	13138	7·5	6 44 53·19	69·09	3	4·646
831	13193	6·8	6 46 3·15	69·50	5	4·428
832	13242	6·3	6 47 17·22	70·08	2	4·448
833	13339	6·4	6 48 3·47	70·17	3	3·050
834	13305	8·0	6 48 30·49	69·90	5	4·308
835	13321	6·9	6 48 49·55	71·10	5	4·077
836	13327	6·8	6 49 47·65	70·61	3	4·784
837	13424	7·0	6 50 27·20	78·77	3	3·351
838	13428	7·8	6 51 38·88	70·08	2	4·256
839	13491	6·9	6 52 22·51	76·08	3	3·158
840		5·5	6 52 24·			2·480
841	13496	7·0	6 52 35·12	70·54	5	3·243
842	13535	7·5	6 52 46·68	72·14	3	2·702
843	13485	6·8	6 53 9·64	69·49	5	3·904
844	13547	7·2	6 54 4·15	73·60	4	3·320
845	13558	6·8	6 55 46·47	72·14	5	4·511
846	13573	7·0	6 55 48·58	75·07	1	4·077
847	13648	5·0	6 56 42·57	70·49	5	3·327
848		4·5	6 56 44·			2·390
849	13653	6·5	6 56 51·43	76·62	4	3·366
850	13656	6·7	6 57 44·70	70·50	4	3·868
851	13704	6·0	6 59 9·32	70·82	3	3·951
852	13698	7·8	6 59 53·06	71·63	4	5·103
853	13731	6·6	7 0 1·25	74·08	3	3·944
854	13735	8·0	7 0 5·			3·966
855	13810	7·5	7 0 47·16	70·92	5	$+2^s{\cdot}793$

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
811	104° 2′ 9″·0	73·34	4	+2″·93	W 990, R_2 3021, Si_4 599,
812	30 25 56·8	66·56	2	2·95	See *Notes*. [L_5 336.
813	73 29 15·8	69·49	5	2·98	W 998, T_2, Gl 1620.
814	52 44 3·7	75·60	4	3·03	W 1003, R 1966, Y 2694.
815	53 46 9·8	76·40	3	3·11	W 1044, R 1977, Y 2700.
816	99 2 48·2	65·06	1	3·14	W 1064, R_2 3035, Sp 2330.
817	86 50 45·2	73·32	5	3·18	W 1074, Si_1, Gl 1632.
818	63 37 5·3	71·12	3	3·29	W 1123.
819	66 30 9·5	68·25	6	3·36	
820	71 1 59·5	66·05	1	3·39	W 1168, R 3039.
821	108 55 34·5	68·07	1	3·42	Oe 5601.
822	46 1			3·46	W 1171, Y 2726.
823	104 39 53·8	70·58	2	3·51	W 1198, Si_4 614.
824	46 6 13·6	67·59	4	3·51	W 1189.
825	57 15 13·0	70·32	5	3·61	W 1227, R 1996.
826	54 47 29·6	73·60	4	3·64	
827	45 0 40·3	66·86	4	3·83	RC 1826.
828	66 15 10·4	70·83	4	3·86	W 1317, T_2, Gl 1666.
829	90 23 26·4	71·39	4	3·86	W 1320, L_1 1086, Gl 1667.
830	39 48 14·5	68·74	3	3·90	
831	44 1 4·9	69·50	5	4·00	Oe 7349.
832	43 34 10·0	70·08	2	4·11	Oe 7369, RC 1841.
833	90 58 19·8	70·17	3	4·17	W 1432, Si_1, L_1 1111, Gl
834	46 36 39·9	68·26	6	4·21	[1684.
835	52 26 42·7	71·10	5	4·24	W 1422, R 2030.
836	37 15 44·3	69·69	5	4·32	Oe 7407, Bn.
837	77 55 50·9	78·77	3	4·38	W 1508, Sp 2440, Gl 1698
838	47 44 22·8	71·66	2	4·48	W 1507, R 2046, RC 1862
839	86 13 49·6	76·08	3	4·54	W 1575, Gl 1709.
840	114 28 10·4	68·09	1	4·55	T 2778, Ar 1581, Oe 5949, [Bn, St 3314.
841	82 30 51·2	70·54	5	4·56	W 1580, Si_1, Gl 1710.
842	105 53 16·4	69·14	4	4·58	Bn.
843	57 24 46·9	66·79	7	4·61	W 1561.
844	79 12 5·7	73·60	4	4·69	W 1628, T_2, Gl 1720.
845	42 2 35·8	72·14	5	4·83	RC 1875.
846	52 15 19·8	75·07	1	4·83	W 1638.
847	78 52 2·4	68·75	6	4·91	W 1711, Gl 1738.
848	117 45 21·6	68·07	1	4·91	See *Notes*.
849	77 13 29·5	76·62	4	4·92	W 1718, Gl 1740.
850	58 25 16·0	67·83	4	5·00	W 1701.
851	55 47 59·8	67·78	3	5·12	
852	32 27 3·7	69·29	6	5·18	Oe 7564, RC 1885.
853	55 58 27·9	74·08	3	5·19	W 1775.
854	55 19 7·6	66·08	3	5·20	Ar 1610.
855	102 12 10·8	70·92	5	+5·26	

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
856	13836	7·8	$7^h\ 2^m\ 0^s\cdot77$	72·12	4	+3ˢ·171
857	13849	7·0	7 2 41·73	69·92	5	3·582
858	13863	7·5	7 2 52·36	78·44	3	3·378
859	13850	6·8	7 3 53·08	71·13	4	4·357
860	13868	7·6	7 4 27·40	74·05	1	4·534
861	13915	6·8	7 5 0·21	71·11	4	3·880
862	13988	6·5	7 6 20·53	70·74	5	3·391
863	13962	7·0	7 6 31·82	76·37	4	4·380
864	14035	8·1	7 7 26·15	72·35	3	3·180
865	14066	7·0	7 7 57·87	72·17	1	2·990
866	14038	7·2	7 8 5·19	78·05	2	3·593
867	14028	5·3	7 9 1·60	70·70	5	4·577
868	14061	6·0	7 9 20·36	70·70	5	4·186
869	14098	6·5	7 10 4·65	77·47	3	3·844
870	14117	7·0	7 10 44·65	70·34	4	3·977
871		5·5	7 11 34·			2·405
872	14206	7·7	7 12 42·11	76·79	3	3·528
873	14264	6·5	7 13 28·14	79·16	1	2·685
874	14282	7·7	7 15 51·40	70·92	5	4·340
875		6·5	7 15 56·			2·465
876	14299	7·5	7 15 56·74	70·74	5	4·009
877	14293	7·7	7 16 29·79	77·47	3	4·514
878	14344	8·0	7 16 43·			3·574
879	14332	7·6	7 17 14·14	71·90	6	4·225
880	14407	7·0	7 18 38·48	73·09	2	3·491
881	14384	6·5	7 18 59·43	72·94	5	4·410
882	14421	8·2	7 19 31·72	74·09	1	3·728
883	14435	7·0	7 19 34·44	70·54	5	3·313
884	14406	6·5	7 19 45·08	71·52	5	4·400
885	14431	8·1	7 20 4·39	79·14	2	3·727
886	14423	8·0	7 20 45·			4·579
887	14429	7·0	7 21 12·88	69·09	4	4·693
888	14525	7·0	7 22 10·69	73·12	4	3·525
889	14550	8·1	7 22 51·41	70·75	5	3·553
890	14556	7·5	7 23 2·67	79·18	1	3·529
891	14575	7·8	7 23 23·98	72·89	4	3·386
892	14562	7·0	7 23 45·19	70·55	4	3·974
893	14570	8·1	7 23 58·18	77·14	3	3·993
894	14604	6·5	7 25 2·64	72·19	1	4·023
895	14736	7·0	7 26 43·41	68·09	1	2·662
896	14678	6·5	7 27 7·60	74·10	1	4·243
897	14776	6·0	7 28 3·			2·757
898	14716	6·4	7 28 34·01	68·04	2	4·500
899	14797	7·0	7 28 34·25	74·60	2	2·719
900	14765	7·3	7 29 19·88	70·60	6	+4·079

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
856	85° 37′ 38″·9	72·12	4	+5″·36	W 1925, Bn, Gl 1772.
857	68 32 11·5	65·66	7	5·42	W 1906, *Note*.
858	76 39 16·2	78·44	3	5·43	W 7, Sp 2548.
859	42 11 6·4	71·28	6	5·52	
860	41 17 39·2	74·05	1	5·56	PM 823, Oe 7644.
861	57 49 39·3	71·11	4	5·61	W 72.
862	76 1 38·8	70·74	5	5·72	W 131, Gl 1797.
863	44 22 38·5	73·11	5	5·74	Oe 7675, RC 1908.
864	85 12 38·1	71·35	4	5·82	
865	93 41 20·7	78·05	2	5·86	W 204, Si_2, Gl 1806.
866	67 49 8·7	78·05	2	5·87	W 204, RC_2 777.
867	40 18 55·0	70·70	5	5·95	T_2, Ar 1649, Oe 7726, RC 1917.
868	48 53 49·4	70·70	5	5·98	W 234, T 2916, 12yr 653, RC
869	58 49 21·8	77·47	3	6·04	Bn. [1922, 7yr 558.
870	54 37 8·5	69·09	4	6·09	W 279.
871	117 39 40·8	68·08	2	6·16	T 2951, Ar 1665, Oe 6528,
872	70 15 2·4	70·08	4	6·25	W 344. [St 3534.
873	106 59 6·1	79·16	1	6·32	Bn, see *Notes*.
874	44 54 28·5	68·29	6	6·52	R 2201, Bn, Y 2978.
875	115 39 30·3	68·08	2	6·52	T 2998, Ar 1676, Oe 6664.
876	53 26 57·8	70·74	5	6·52	R 2204.
877	41 12 35·7	77·47	3	6·57	Oe 7857, Bn.
878	68 18 8·9	62·10	4	6·59	W 461, PM 861, R 2211.
879	47 35 21·5	70·43	3	6·63	W 460, R 2212. [Ar 1679.
880	71 36 28·3	73·09	2	6·75	W 503.
881	43 13 41·2	71·30	6	6·78	R 2220 Oe 7904, Bn.
882	62 27 12·7	74·09	1	6·82	W 525.
883	79 8 42·5	70·54	5	6·82	W 551, Y 3012, Gl 1860.
884	43 25 57·7	71·52	5	6·84	R 2226, Oe 7921.
885	62 27 18·7	79·15	2	6·86	W 539.
886	39 45 57·9	65·07	2	6·92	
887	37 44 41·2	67·86	4	6·96	Oe 7942.
888	70 6 43·6	73·12	4	7·04	W 601.
889	68 57 33·1	70·75	5	7·09	W 623.
890	69 55 29·7	79·18	1	7·11	R 2255.
891	75 52 37·8	72·89	4	7·14	W 673.
892	54 8 11·7	69·88	4	7·17	W 643.
893	53 34 20 7	72·87	4	7·18	W 650.
894	52 32 52·8	66·14	2	7·27	W 683.
895	108 15 13·3	68·09	1	7·41	Oe 6974.
896	46 41 47·6	74·10	1	7·44	W 739, RC 1985, Bn.
897	104 15 19·4	67·08	1	7·52	W 835, Si_4 735, Y 3074.
898	40 56 57·0	65·56	2	7·56	Oe 8070.
899	105 55 21·9	74·60	2	7·56	Bn.
900	50 50 40·1	69·85	4	+7·62	W 812.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
901	14766	7·3	7h 29m 33s·06	72·74	5	+4s·215
902	14759	7·2	7 29 51·81	70·74	5	4·588
903	14814	8·0	7 29 54·76	77·11	5	3·454
904		6·0	7 30 21·86	68·07	1	2·413
905	14856	6·5	7 30 46·95	70·10	2	3·395
906	14893	6·5	7 31 11·39	68·09	1	2·638
907	14899	7·0	7 31 46·09	73·09	2	2·928
908	14923	7·5	7 33 28·28	71·17	3	2·725
909	14921	6·0	7 33 29·46	69·49	5	3·602
910	14928	6·5	7 33 45·55	73·11	5	3·379
911	14952	6·5	7 33 46·07	79·16	2	2·707
912	14934	6·5	7 34 37·25	72·93	5	3·907
913	14974	6·0	7 34 40·17	71·11	5	2·744
914	14961	6·0	7 35 0·40	80·63	2	3·389
915	14981	6·8	7 35 55·			3·583
916	14978	8·0	7 36 34·61	72·19	1	4·223
917	14966	7·5	7 36 42·20	72·55	5	4·597
918		8·5	7 37 20·45	79·15	1	2·978
919	15060	7·5	7 37 25·76	74·05	1	2·978
920		6·5	7 37 38·39	66·57	1	2·477
921	15046	5·3	7 38 18·38	70·10	4	4·016
922	15070	8·0	7 38 40·10	72·11	3	3·609
923	15092	7·8	7 39 38·59	70·78	6	3·611
924	15136	6·0	7 39 55·36	73·62	4	2·935
925	15097	7·3	7 40 5·12	79·90	4	3·864
926	15147	7·5	7 40 44·77	74·86	4	3·270
927	15173	8·0	7 41 39·87	73·17	1	3·476
928	15184	7·3	7 42 12·20	70·08	4	3·727
929	15207	7·1	7 42 23·42	74·60	2	3·170
930	15204	7·0	7 43 3·73	72·93	5	3·822
931	15230	7·0	7 43 54·85	70·59	5	3·961
932	15332	8·0	7 45 25·72	78·88	4	2·932
933	15342	8·0	7 45 52·26	73·36	4	3·015
934	15349	8·0	7 46 9·00	70·27	6	3·149
935	15335	7·9	7 46 42·73	72·11	5	3·907
936	15355	7·2	7 46 51·69	79·17	2	3·541
937	15384	7·3	7 47 56·45	72·88	4	3·897
938	15453	7·0	7 48 31·66	69·19	1	2·686
939	15442	7·3	7 49 33·98	77·90	4	3·843
940	15459	7·5	7 49 45·02	71·34	5	3·535
941	15435	7·5	7 49 50·55	73·50	5	4·211
942	15501	7·0	7 51 19·06	72·09	4	3·900
943	15516	6·8	7 51 40·35	73·38	4	3·944
944	15578	8·1	7 52 35·01	77·48	3	3·187
945	15585	7·0	7 53 18·29	72·75	5	+3·481

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
901	47° 15′ 24″·6	72·74	5	+7″·64	W 813, Bn.
902	39 11 24·3	68·90	4	7·66	Oe 8093.
903	72 49 12·3	77·11	5	7·67	W 846. [3088, St 3737.
904	118 5 38·9	67·07	2	7·70	T 3125, Ar 1718, Oe 7081, Y
905	75 22 47·4	74·13	1	7·74	W 905, Gl 1918.
906	109 25 32·5	68·09	1	7·77	Oe 7103.
907	96 40 42·1	73·08	2	7·82	W 947, Si_2.
908	105 45 49·9	71·68	2	7·96	
909	66 41 38·6	66·80	7	7·96	W 955.
910	75 56 31·9	73·11	5	7·98	W 1003, Gl 1931.
911	106 33 44·3	79·16	2	7·98	Bn.
912	55 42 33·1	72·93	5	8·05	W 988.
913	104 58 33·1	71·59	4	8·05	T_2, Bn, St 3783.
914	75 30 5·8	80·63	2	8·08	W 1041, Gl 1935.
915	67 18 30·6	68·09	1	8·15	W 1025, T 3174, Ar 1733, [12yr 689, Gl 1937.
916	46 40 15·4	72·19	1	8·20	
917	38 40 34·5	72·55	5	8·21	Oe 8222, RC 2022.
918	94 23 6·6	79·15	1	8·26	See *Notes*.
919	94 24 45·4	72·62	2	8·27	
920	116 3 19·5	66·57	2	8·29	T 3194, Ar 1739, Bn, Y 3144, [St 3820, B 210.
921	52 10 54·4	69·91	5	8·34	W 1083.
922	66 9 3·0	72·11	3	8·37	W 1095.
923	66 1 54·6	71·10	5	8·45	W 1116.
924	96 28 2·1	73·62	4	8·47	W 1184, Si_2.
925	56 50 9·2	79·90	4	8·48	W 1122.
926	80 43 22·2	74·86	4	8·53	
927	71 29 59·3	73·17	1	8·61	W 1173.
928	61 29 23·6	70·31	5	8·65	W 1184, T_2, 9yr 769, Gl 1967.
929	85 21 23·8	74·60	2	8·66	W 1241, Si_1, Gl 1969.
930	58 4 18·9	72·93	5	8·72	W 1200.
931	53 30 47·8	70·59	6	8·78	W 1220, R.
932	96 39 58·1	78·88	4	8·90	W 1326, Sp 2863.
933	92 44 10·2	73·36	4	8·94	W 1336, PM 929, Si_2, Gl 1987.
934	86 17 43·1	70·27	6	8·96	W 1339, Gl 1988.
935	55 3 2·9	72·88	4	9·00	W 1293.
936	68 34 18·2	79·17	2	9·01	W 1305, Y 3217.
937	55 18 11·5	72·11	5	9·10	W 1329.
938	108 0 26·3	68·09	1	9·14	Oe 7611.
939	57 0 43·1	77·90	4	9·23	W 1363, R 2331.
940	68 42 9·1	71·34	5	9·24	W 1371.
941	46 9 48·2	73·50	5	9·25	W 1362, Y 3232.
942	54 59 1·4	71·47	5	9·36	W 1403.
943	53 34 50·9	73·38	4	9·39	W 1411, R 2350.
944	84 24 41·0	77·48	3	9·46	W 1523, Gl 2014.
945	70 48 59·9	72·75	5	+9·51	

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
946	15595	7·0	$7^h\ 53^m\ 30^s{\cdot}93$	70·53	5	+3″·505
947	15582	6·5	7 53 47·09	76·49	4	3·918
948	15637	6·5	7 55 12·18	79·17	1	3·975
949	15679	6·8	7 56 9·65	70·31	4	3·842
950	15735	7·0	7 57 31·76	74·60	2	3·477
951	15746	7·5	7 57 57·09	70·15	4	3·688
952	15766	8·0	7 58 9·88	80·17	5	3·295
953	15783	8·2	7 59 7·67	72·90	4	3·819
954	15853	7·7	8 0 17·05	75·10	1	3·283
955	15811	7·2	8 0 17·67	70·28	6	3·865
956		8·1	8 0 47·12	70·21	2	3·633
957	15872	6·8	8 1 35·38	78·15	5	3·809
958	15898	8·0	8 2 9·64	71·14	3	3·632
959	15967	7·6	8 2 57·08	81·66	2	2·578
960	15961	7·0	8 3 1·05	73·14	5	2·849
961	15943	6·5	8 4 24·37	69·76	5	4·374
962	16021	6·8	8 5 22·57	75·36	5	3·364
963	16061	8·0	8 6 14·07	77·14	2	3·178
964	16053	6·5	8 6 17·10	71·37	5	3·568
965	16017	7·7	8 6 47·24	71·17	1	4·567
966	16081	7·0	8 7 9·22	82·12	1	3·510
967	16100	7·2	8 7 24·00	72·64	6	3·343
968	16085	6·7	8 8 47·21	71·22	1	4·677
969	16153	8·0	8 8 59·90	74·12	2	3·136
970	16116	7·3	8 9 16·83	74·58	5	4·155
971	16166	7·5	8 9 17·03	77·21	2	3·135
972	16173	7·8	8 9 41·15	72·70	2	3·300
973	16146	7·3	8 9 45·49	69·73	5	3·859
974	16184	7·4	8 10 45·46	72·41	3	3·823
975	16204	7·1	8 11 34·86	70·08	3	4·023
976	16237	7·5	8 11 42·37	76·78	3	3·585
977	16304	5·7	8 12 28·12	76·58	5	2·830
978	16269	7·3	8 12 43·88	70·61	5	3·891
979	16301	7·3	8 13 39·44	71·32	4	3·834
980	16350	7·5	8 14 49·06	71·82	4	3·485
981	16411	7·5	8 15 38·44	82·12	1	2·864
982	16378	7·0	8 16 0·82	70·37	5	3·790
983	16439	6·5	8 16 14·42	75·10	1	2·730
984	16391	7·5	8 16 18·01	75·35	6	3·753
985	16494	7·5	8 18 10·95	79·18	2	3·058
986	16489	7·6	8 18 13·91	69·69	5	3·263
987	16486	7·8	8 18 50·76	72·61	4	3·834
988	16534	6·5	8 19 5·95	81·15	2	3·120
989	16522	7·5	8 19 48·74	71·42	4	3·884
990	16529	6·9	8 20 1·93	76·65	4	+3·876

No.	Mean N.P D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
946	69° 50′ 35″·0	70·53	5	+9″·53	W 1458, T 3341, 6yr 584,
947	54 14 40·4	76·49	4	9·55	W 1455. [7yr 609.
948	52 31 1·2	79·19	1	9·66	W 1490.
949	56 37 13·7	70·31	4	9·73	W 1517, R 2378, Bn.
950	70 48 22·6	74·60	2	9·84	T_2, N 7yr 1002, 9yr 788.
951	62 7 1·4	70·47	3	9·88	W 1567, PM 947, T_2.
952	79 8 52·4	80·17	5	9·89	W 1676, Gl 2044.
953	57 13 44·1	72·90	4	9·96	W 1592.
954	79 39 44·9	75·10	1	10·05	Sp 2956.
955	55 36 24·4	70·64	4	10·05	W 1624.
956	64 5 13·4	70·21	2	10·09	W 1646, Ar 1813.
957	57 24 57·6	78·15	5	10·15	W 1663, PM 956, R 2410.
958	64 4 37·3	69·36	4	10·19	W 1682, R 2417, Ar 1817, St_1
959	113 15 20·6	81·66	2	10·25	Oe 8059, St 4133. [306.
960	100 58 34·5	73·14	5	10·26	W 19, Si_2, Si_3 996, Y 3301.
961	41 20 49·1	69·43	7	10·36	Oe 8697.
962	75 37 29·9	75·36	5	10·43	W 77, T_2, N 7yr 1019, 9yr 801.
963	84 41 53·8	77·14	2	10·50	W 105, Sp 2994, Gl 2085.
964	66 29 16·1	71·37	5	10·50	W 85.
965	37 16 45·8	68·12	2	10·54	R 2441, Oe 8746.
966	68 54 58·8	82·12	1	10·56	
967	76 34 29·8	72·64	6	10·58	W 131, T_2, Sp 3001, Gl
968	35 3 8·6	71·21	2	10·69	R 2450, Oe 8784. [2090.
969	86 47 16·0	74·12	2	10·70	W 181, Gl 2095.
970	46 12 26·4	73·44	4	10·72	W 145.
971	86 49 8·5	77·21	2	10·72	W 187, PM 977.
972	78 34 24·6	72·70	2	10·75	W 194, Sp 3014.
973	53 53 16·8	69·73	5	10·76	W 160, R 2458.
974	56 16 41·6	71·09	4	10·83	W 191.
975	49 43 34·0	69·45	2	10·89	
976	65 26 14·5	76·78	3	10·90	W 218, Y 3340.
977	102 12 38·8	76·58	5	10·96	W 294, Bn, Si_3 1023, Y
978	53 49 45·4	69·69	6	10·97	W 236. [3344, *Note*.
979	55 40 10·5	70·28	5	11·04	W 259.
980	69 38 37·8	71·85	4	11·13	
981	100 38 59·9	82·12	1	11·19	W 375, Si_3 1030.
982	57 18 26·6	70·37	5	11·21	W 323, R 2491.
983	107 11 22·5	70·63	2	11·23	Oe 8427.
984	58 17 56·3	76·35	6	11·24	W 335, Bn. [1910.
985	90 44 21·8	79·18	2	11·37	W 446, Si_1, Si_5 296, L_1
986	80 10 14·8	69·71	5	11·38	W 440, Gl 2133.
987	55 15 21·1	72·61	4	11·42	W 394. [9yr 818, Gl 2137.
988	87 29 34·2	81·15	2	11·44	W 466, Si_1, L_1 1916, Y 3396,
989	53 27 56·7	71·42	4	11·49	W 421.
990	53 41 57·1	76·65	4	+11·51	W 424.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
991	16556	6·9	8h 20m 25s·64	73·17	1	+3s·812
992	16623	7·7	8 21 23·68	75·74	5	3·141
993	16647	8·0	8 21 38·45	81·20	1	2·790
994	16631	7·0	8 22 14·86	69·71	5	3·574
995	16616	7·5	8 22 47·65	70·74	5	4·415
996	16673	7·0	8 22 49·23	74·66	2	2·894
997	16663	7·0	8 22 52·04	73·89	4	3·241
998	16691	7·5	8 24 25·44	76·51	3	3·763
999	16739	6·5	8 25 36·54	70·23	1	3·563
1000	16740	6·5	8 25 58·65	69·38	3	4·307
1001	16814	6·5	8 27 7·92	73·14	4	3·169
1002	16823	7·0	8 27 29·07	71·17	5	3·239
1003	16839	7·2	8 27 55·86	79·19	5	3·183
1004	16869	8·5	8 28 19·43	72·58	5	3·029
1005	16876	7·8	8 29 14·27	79·19	1	3·599
1006	16893	6·5	8 29 46·63	73·62	4	3·654
1007	16899	7·5	8 30 1·83	69·59	2	3·754
1008	16933	7·5	8 30 41·07	69·77	5	3·599
1009	16987	6·0	8 31 14·00	72·92	4	2·989
1010	16964	6·5	8 31 24·05	80·21	1	3·545
1011	17011	7·0	8 31 38·72	82·12	1	2·845
1012	17008	7·0	8 31 43·99	78·50	5	2·954
1013	17007	7·3	8 31 54·56	72·37	5	3·093
1014	16995	7·7	8 32 37·07	72·16	3	3·911
1015	17087	7·0	8 33 49·00	76·66	2	3·116
1016	17110	7·0	8 34 8·83	66·16	1	2·756
1017	17049	6·5	8 34 17·81	69·62	6	4·207
1018	17081	7·3	8 34 38·04	71·95	4	3·797
1019	17111	7·2	8 35 33·43	70·97	5	3·861
1020	17131	7·0	8 36 9·36	77·16	5	3·865
1021	17141	7·5	8 36 44·29	70·86	3	4·076
1022	17182	7·0	8 37 36·40	77·51	3	3·871
1023	17207	7·0	8 38 15·06	70·74	5	3·768
1024	17249	7·0	8 39 7·96	77·18	2	3·468
1025	17333	7·0	8 41 3·76	66·18	1	2·735
1026	17327	7·3	8 42 3·74	70·39	5	3·762
1027	17337	8·0	8 42 24·41	73·23	1	3·796
1028	17359	7·0	8 42 53·31	77·74	5	3·795
1029	17368	8·0	8 43 8·54	70·37	5	3·788
1030	17397	7·7	8 43 18·78	79·95	4	3·197
1031	17386	7·5	8 43 19·01	75·17	4	3·594
1032	17350	7·5	8 43 45·39	73·19	1	4·539
1033	17435	7·8	8 45 4·17	70·88	3	3·782
1034	17462	7·0	8 45 29·90	70·67	3	3·410
1035	17480	6·8	8 45 33·09	78·51	3	+3·223

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
991	55° 54′ 16″·1	73·17	1	+11″·53	W 441.
992	86 22 15·8	75·74	5	11·60	W 526, Si_1, L_2 26, Gl 2150.
993	104 31 34·1	81·20	1	11·62	W 538, Si_4 851, Sp 3098, L^5
994	65 14 25·3	69·71	5	11·66	W 479, RC_2 872. [454·
995	38 57 12·1	70·43	3	11·70	Oe 9033.
996	99 20 5·8	82·12	1	11·70	W 571, Si_3.
997	81 10 5·9	73·89	4	11·71	W 564, R 2540, Si_1, Sp
998	57 24 33·4	73·67	4	11·82	[3106, Gl 2158.
999	65 29 28·9	70·23	1	11·90	W 571, T 3635, Ar 1887,
1000	41 2 23·1	69·32	4	11·93	[6yr 623, Gl 2167.
1001	84 49 5·0	73·40	4	12·01	W 665.
1002	81 7 16·2	71·17	2	12·03	W 671, Si_1.
1003	84 4 11·1	79·19	5	12·06	W 687, Sp 3143, Gl 2175.
1004	92 19 37·9	72·58	5	12·09	W 704.
1005	63 37 54·4	79·19	1	12·15	W 658.
1006	61 16 16·8	71·41	3	12·20	W 681, T_2.
1007	57 16 43·4	70·17	1	12·21	W 685, Bn.
1008	63 30 37·3	69·58	5	22·26	W 716, Bn.
1009	94 30 1·1	72·92	4	12·29	W 788, Si_3, Gl 2194.
1010	65 52 27·0	80·21	1	12·30	W 736.
1011	102 9 6·9	82·12	1	12·32	W 801, Si_3 1069, Sp 3171.
1012	96 22 26·5	79·17	7	12·33	W 802, L_4 348.
1013	88 52 23·8	72·37	5	12·34	Sp 3175, L_1 2046.
1014	51 24 2·2	72·16	3	12·39	W 773.
1015	87 38 18·1	76·66	2	12·47	W 885, Si_1, L_1 2062, Gl
1016	106 50			12·49	[2215. Oe 8825.
1017	42 39 8·0	69·62	6	12·50	Oe 9229, RC 2192.
1018	55 21 29·5	71·95	4	12·53	W 835.
1019	52 50 16·6	70·97	5	12·59	W 869.
1020	52 37 52·6	77·16	5	12·63	R 2623.
1021	45 53 58·4	69·43	4	12·67	W 891.
1022	52 15 19·8	77·51	3	12·73	W 914, Y 3681.
1023	55 57 34·5	71·30	6	12·77	W 933.
1024	68 55 44·3	76·49	3	12·83	W 963.
1025	108 18 2·3	66·18	1	12·96	Oe 8969, Bn.
1026	55 49 6·0	70·39	5	13·03	W 1019.
1027	54 29 58·2	73·23	1	13·05	W 1025.
1028	54 28 11·4	77·74	5	13·08	W 1038, PM 1052.
1029	54 42 43·1	69·57	5	13·10	
1030	82 59 24·8	79·95	4	13·11	W 1089, Gl 2257.
1031	62 42 33·4	74·96	5	13·11	W 1051.
1032	34 34 54·5	73·19	1	13·14	Oe 9357, RC 2213.
1033	54 47 7·3	69·70	4	13·23	W 1090.
1034	71 20 27·2	69·77	5	13·25	R 2676. [2272.
1035	81 27 42·7	78·51	3	+13·26	W 1150, Sp 3255, Gl

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
1036		7·3	8h 45m 48s·27	74·15	1	+3s·174
1037	17512	7·5	8 46 54·18	70·39	5	3·590
1038	17528	7·5	8 47 4·91	73·17	5	3·488
1039	17535	7·7	8 47 34·69	76·40	5	3·784
1040	17572	7·9	8 47 54·			3·175
1041	17604	6·5	8 48 41·36	80·22	1	3·018
1042	17584	7·0	8 48 52·29	69·95	5	3·532
1043		7·2	8 49 37·			3·711
1044	17607	7·2	8 49 47·00	73·19	5	3·864
1045	17666	6·0	8 50 57·46	70·06	1	3·243
1046	17729	7·5	8 52 36·10	74·38	5	3·235
1047	17719	8·5	8 52 48·99	70·57	3	3·703
1048	17766	7·0	8 53 5·47	80·21	1	2·802
1049	17750	7·8	8 53 53·16	69·32	5	3·786
1050	17785	6·0	8 53 57·32	81·20	1	2·743
1051	17802	6·5	8 54 55·20	70·79	5	3·176
1052	17831	7·0	8 55 16·37	71·71	4	3·005
1053	17809	7·3	8 55 33·59	79·17	2	3·642
1054	17845	6·5	8 56 5·14	80·22	1	3·204
1055	17853	8·1	8 56 34·37	71·22	4	3·997
1056	17873	6·8	8 57 43·65	69·55	5	3·783
1057	17921	7·0	8 57 57·59	74·95	4	2·781
1058	17930	8·0	8 58 48·76	77·72	2	3·018
1059	17899	7·2	8 58 51·37	70·44	4	3·835
1060	17946	6·7	9 0 2 47	71·18	5	3·656
1061	18004	7·5	9 1 24·15	74·22	3	3·280
1062	18019	8·5	9 1 28·			2·994
1063	18016	7·9	9 2 22·09	70·42	5	3·750
1064	18074	6·5	9 2 53·56	80·41	5	2·809
1065	18044	6·5	9 3 5·15	71·56	3	3·643
1066	18083	6·0	9 3 12·02	79·17	2	2·876
1067	18079	7·8	9 4 8·59	68·57	5	3·748
1068	18110	8·5	9 4 14·68	72·23	2	3·024
1069	18120	6·8	9 4 44·28	71·03	5	3·227
1070	18140	6·0	9 4 47·46	67·16	1	2·686
1071	18159	8·0	9 5 45·58	70·41	5	3·007
1072	18171	8·0	9 6 1·			2·888
1073	18162	8·0	9 6 10·57	71·21	1	3·254
1074	18216	8·3	9 7 53·48	70·39	6	3·266
1075	18231	8·1	9 8 18·24	76·44	4	3·147
1076	18249	7·5	9 8 40·52	78·46	4	3·113
1077	18251	8·5	9 8 58·81	70·38	5	3·324
1078	18256	7·4	9 9 39 76	73·94	4	3·683
1079	18317	7·0	9 10 30·63	67·97	4	2·859
1080	18315	7·0	9 10 33·91	68·18	1	+2·942

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1036	84° 11′ 28″·4	74·15	1	+ 13″·28	W 1160, Si_1, T_2, Gl 2273.
1037	62 36 13·3	70·39	5	13·35	W 1129.
1038	67 18 35·6	73·17	5	13·36	W 1137, 6yr 641.
1039	54 24 20·5	75·71	4	13·39	
1040	84 3 45·1	75·10	1	13·41	W 1213.
1041	93 4 57·6	80·22	1	13·46	
1042	65 4 25·9	70·17	4	13·48	W 1183.
1043	57 4 34·4	65·68	2	13·53	W 1196, Ar 1977.
1044	51 15 33·7	73·19	5	13·54	W 1199.
1045	80 7 53·8	70·06	1	13·61	W 1285, Si_1, T_2, 9yr 876, Gl 2299.
1046	80 32 2·1	74·38	5	13·72	W 1327.
1047	57 5 45·7	70·57	3	13·73	W 1274, Ar 1990.
1048	105 30 9·3	80·21	1	13·75	Oe 9195.
1049	53 39 5·3	69·29	6	13·80	W 1294.
1050	108 43 13·8	81·20	1	13·80	R 2714, Bn.
1051	83 52 13·7	70·79	5	13·86	See *Notes*.
1052	93 58 5·9	71·71	4	13·88	W 1399, L_3 492, Gl 2320.
1053	59 24 24·6	77·52	3	13·90	W 1328.
1054	82 12 41·1	77·18	2	13·94	W 1414, Si_1, Gl 2324.
1055	46 2 51·4	71·55	3	13·97	RC 2263, Bn. *Note*.
1056	53 19 24·0	69·64	4	14·04	W 1378.
1057	107 0 11·3	77·55	3	14·05	Oe 9289.
1058	93 17 6·6	77·72	2	14·11	W 1475, Si_2, Gl 2337.
1059	51 13 22·1	70·84	6	14·11	W 1407, T_2, RC 2274.
1060	58 17 52·7	71·18	5	14·18	W 1444.
1061	77 32 49·9	74·22	3	14·27	W 1524, Sp 3356.
1062	94 45 15·8	60·16	1	14·27	L_3 514.
1063	54 4 53·2	70·74	4	14·33	W 1506.
1064	105 46 16·1	80·41	5	14·36	Oe 9382, L_6.
1065	58 31 44·7	72·61	5	14·37	W 3.
1066	101 51 10·7	79·17	2	14·38	W 28, Si_3 1135.
1067	54 0 27·7	68·71	7	14·44	W 35.
1068	92 55 6·7	72·23	2	14·44	W 50, Si_5 394.
1069	80 30 49·6	71·03	5	14·47	W 59, Si_1, Gl 2366.
1070	112 40 7·9	66·17	1	14·48	Oe 9427.
1071	94 2 40·6	70·89	5	14·53	W 76, L_6.
1072	101 19 14·8	65·21	1	14·55	W 83, Si_3 1139.
1073	78 49 7·5	74·21	1	14·56	W 81, Sp 3381.
1074	77 59 14·2	70·40	5	14·66	W 127, Sp 3395.
1075	85 16 19·2	75·22	3	14·69	W 133, L_2 69.
1076	87 23 58·9	77·63	5	14·71	W 143, Si_1, L_1 2380, Gl
1077	74 28 20·7	70·38	5	14·72	W 153. [2387.
1078	55 58 33·5	73·94	4	14·77	W 161.
1079	103 18 53·3	66·87	3	14·82	W 187, Si_4 934.
1080	98 13 27·1	64·68	6	+ 14·82	See *Notes*.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
1081	18288	6·7	9^h 10^m $43^s·01$	71·23	5	$+3^s·723$
1082	18329	7·0	9 10 54·41	67·16	1	2·904
1083	18345	7·5	9 11 27·25	65·22	1	2·891
1084	18343	8·0	9 11 36·85	71·26	1	3·027
1085	18362	6·7	9 13 8·93	72·20	5	3·783
1086	18394	7·0	9 14 6·28	70·82	5	3·643
1087	18412	6·7	9 14 21·18	78·20	5	3·324
1088	18422	7·5	9 14 46·31	70·60	5	3·381
1089	18477	8·0	9 16 10·20	76·20	3	2·987
1090	18452	7·7	9 16 10·91	70·02	5	3·688
1091	18488	7·0	9 16 35·56	71·20	5	3·003
1092	18466	7·0	9 16 39·			3·734
1093	18520	7·0	9 17 43·22	80·21	3	3·369
1094	18510	7·8	9 17 57·46	72·19	5	3·694
1095	18558	6·5	9 18 36·70	79·20	2	3·015
1096	18553	9·2	9 19 29·28	71·72	2	3·884
1097	18567	7·5	9 19 33·40	73·19	1	3·379
1098	18599	7·0	9 20 11·16	60·16	1	2·756
1099	18638	7·5	9 22 38·			3·614
1100	18666	7·3	9 24 12·			3·892
1101	18691	6·8	9 25 2·70	79·18	1	3·940
1102	18754	7·0	9 25 32·62	66·16	1	2·924
1103	18760	7·5	9 26 39·21	69·58	6	3·661
1104	18775	6·5	9 26 50·80	70·84	5	3·441
1105	18794	7·0	9 26 53·06	80·19	2	2·956
1106	18810	7·5	9 28 10·05	72·42	5	3·655
1107	18832	8·0	9 28 14·55	80·22	1	3·030
1108	18857	7·0	9 28 47·71	80·21	1	2·904
1109	18867	8·0	9 30 2·14	70·24	4	3·571
1110	18887	6·5	9 30 7·88	73·47	4	3·041
1111	18899	7·5	9 30 26·45	81·22	2	2·918
1112	18924	8·0	9 31 26·96	72·73	2	3·036
1113	18921	6·8	9 31 29·20	71·42	5	3·263
1114	18959	7·5	9 32 39·98	74·25	2	3·025
1115	18984	4·0	9 33 28·			3·064
1116	18976	7·8	9 33 31·84	77·73	4	3·196
1117	18966	7·0	9 33 37·31	69·93	4	3·732
1118	18987	6·2	9 34 11·00	70·44	5	3·568
1119	19006	8·4	9 34 49·61	72·23	3	3·516
1120	19048	7·2	9 36 12·75	77·23	2	3·615
1121	19068	7·7	9 36 44·11	76·02	5	3·626
1122	19084	8·0	9 36 52·43	69·56	6	3·226
1123	19096	6·5	9 37 32·74	69·17	5	3·347
1124	19117	7·5	9 38 8·20	80·57	3	3·125
1125	19104	7·3	9 38 21·60	74·03	5	$+3·732$

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1081	54° 6′ 45″·0	71·23	5	+14″·83	W 182, Y 3891.
1082	100 34			14·84	W 197, Si_2, Si_3 1149.
1083	101 26 18·5	65·22	1	14·87	W 211, T 4073, Ar 2049, N7yr 1142,
1084	92 51 44·4	71·26	1	14·88	W 214, Si_2, 12yr 814. [Si_3 1151.
1085	51 17 1·8	72·20	5	14·97	W233, PM 1104, R 2825, RC [2311, Y 3904.
1086	57 12 19·5	70·82	5	15·03	
1087	74 6 0·6	78·20	5	15·04	W 262.
1088	70 43 10·3	70·32	6	15·07	W 279, Bn.
1089	95 31 46·5	81·25	2	15·14	Sp 3452, L_3 587.
1090	54 54 58·7	69·38	6	15·14	Bn.
1091	94 30 24·9	71·20	5	15·17	W 321, Si_2, L_6, Gl 2418.
1092	52 52 40·5	69·68	2	15·17	
1093	71 45 16·2	80·21	3	15·23	W 348, R 2855.
1094	54 18 42·1	72·19	5	15·25	W 344.
1095	93 44 43·6	79·20	2	15·28	
1096	46 41 41·3	69·39	5	15·33	W 382.
1097	70 24 5·2	73·19	1	15·34	W 390, 9yr 909.
1098	110 13 18·1	60·16	1	15·37	Oe 9699.
1099	57 24 42·4	60·17	1	15·51	W 445.
1100	45 42 27·1	60·17	2	15·60	W 471, Y 3967.
1101	43 56 5·0	74·15	2	15·65	Oe 9990, RC 2357.
1102	100 0 6·6	57·17	1	15·67	W 530, Si_2 L_5 538.
1103	54 38 8·1	69·23	8	15·73	
1104	65 59 24·1	70·84	5	15·74	W 541.
1105	97 57 11·4	80·19	2	15·74	W 569, Si_2, Sp 3509, L_3 [641.
1106	54 39 44·3	72·42	5	15·81	W 567.
1107	92 56 5·9	80·22	1	15·82	See *Notes*.
1108	101 34 8·5	80·21	1	15·84	W 619, Si_3 1175, L_5 550.
1109	58 28 59·0	70·24	5	15·91	
1110	92 13 9·1	71·22	3	15·92	L_1 2558.
1111	100 42 59·1	81·22	2	15·93	W 650, Si_2, L_5 557.
1112	92 36 36·2	72·73	2	15·99	W 672, Sp 3539, Gl 2497.
1113	76 42 10·6	71·42	5	15·99	W 670, Sp 3538, Gl 2498.
1114	93 27 2·3	74·25	2	16·05	W 699, Si_2, L_3 674.
1115	90 34 35·2	67·18	5	16·09	See *Notes*.
1116	81 9 28·0	75·23	2	16·10	W 713, Si_1, Gl 2512. [4032.
1117	50 28 44·6	67·02	7	16·10	W686, PM 1143, RC 2379, Y
1118	58 9 18·9	68·73	6	16·13	W 696, T 4266, Ar 2124.
1119	60 44 22·7	72·23	3	16·17	W 719.
1120	55 20 0·4	77·23	2	16·24	W 751.
1121	54 42 26·7	76·02	5	16·26	W 765.
1122	78 54 21·4	69·56	6	16·27	
1123	70 33 44·9	68·83	6	16·30	W 780, R 2928.
1124	86 4 30·7	80·57	3	16·33	W 809, Si_1, Gl 2531.
1125	49 35 20·7	74·03	5	+16·35	W 789, R 2931.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
1126		6·5	9h 38m 37s·77	68·70	1	+ 2s·675
1127	19137	7·0	9 38 55·14	71·23	1	3·342
1128	19164	8·0	9 39 12·			2·746
1129		5·8	9 39 34·40	75·24	3	3·172
1130	19173	6·7	9 40 16·64	70·24	5	3·416
1131	19191	7·0	9 40 38·54	80·70	2	3·195
1132	19200	8·0	9 40 59·96	69·89	3	3·220
1133	19217	7·5	9 41 3·37	81·24	1	2·936
1134	19231	7·5	9 42 11·07	72·73	4	3·327
1135	19244	6·8	9 42 50·30	71·73	4	3·629
1136	19272	8·0	9 43 7·41	80·74	2	2·963
1137	19263	7·2	9 43 24·06	70·91	3	3·541
1138	19273	7·5	9 44 6·82	66·71	1	3·704
1139	19285	8·3	9 44 19·56	74·26	1	3·539
1140	19291	6·3	9 44 46·43	72·97	4	3·664
1141	19326	7·0	9 45 0·91	81·22	2	2·869
1142	19343	7·0	9 45 47·60	76·72	4	3·081
1143	19333	6·8	9 46 9·35	70·55	5	3·600
1144	19371	7·8	9 47 0·18	70·42	5	3·272
1145	19376	6·5	9 47 8·98	73·55	3	3·157
1146	19386	7·5	9 48 0·45	71·73	3	3·418
1147	19419	7·0	9 48 30·07	75·72	4	2·913
1148	19433	5·0	9 48 58·			2·831
1149	19437	7·0	9 49 20·09	68·21	2	3·017
1150	19473	7·5	9 50 18·97	77·75	2	3·133
1151	19482	8·3	9 50 38·28	72·25	3	3·121
1152	19479	7·1	9 50 43·67	69·62	5	3·291
1153	19517	7·2	9 52 5·27	78·44	5	3·210
1154	19522	6·7	9 52 30·22	70·82	5	3·356
1155	19531	8·5	9 52 41·66	81·20	2	3·042
1156	19547	8·0	9 53 9·			2·878
1157	19568	7·5	9 54 48·88	69·61	5	3·507
1158	19590	7·5	9 55 12·20	74·25	2	3·067
1159	19608	9·0	9 55 39·			2·865
1160	19637	7·0	9 56 40·18	81·04	5	3·012
1161	19613	7·0	9 56 41·21	73·49	4	3·525
1162	19606	6·5	9 56 57·62	69·23	6	3·979
1163	19635	7·7	9 57 1·41	71·24	5	3·315
1164	19661	7·5	9 58 14·96	70·26	1	3·552
1165	19679	8·1	9 58 16·08	80·24	2	3·138
1166	19671	7·0	9 58 26·62	69·88	3	3·557
1167	19703	7·5	9 59 13·97	74·26	1	3·345
1168	19713	8·0	9 59 18·			2·966
1169	19733	6·5	10 0 15·51	81·83	3	2·825
1170	19735	7·5	10 0 53·36	71·64	5	+ 3·259

No.	Mean N P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1126	117° 11′ 55″·5	67·16	3	+16″·36	T 4301, Ar 2138, Oe 10070,
1127	70 44 29·1	68·70	2	16·37	W 800, R 2935. [St 5261.
1128	112 54 36·0	66·17	1	16·39	Oe 10084, Bn.
1129	82 42 57·4	75·24	3	16·41	CA 205, Ar 2140, T_2, Bn, N7yr
1130	65 46 31·2	68·56	6	16·44	W 827. [1198, Y 4059.
1131	80 51 8·4	80·70	2	16·46	Sp 3596.
1132	79 2 15·4	68·95	4	16·48	W 871, Gl 2543.
1133	100 9 59·2	70·70	2	16·48	W 881, Si_2, L_6 587.
1134	71 21 44·1	72·73	4	16·54	W 867, Y 4091.
1135	53 32 39·2	71·73	4	16·57	W 879.
1136	98 15 17·0	80·74	2	16·58	Si_2, Sp 3612, L_3 730.
1137	58 1 30·6	70·91	3	16·60	W 892.
1138	49 48 37·9	66·70	2	16·63	Ar 2153, RC 2403.
1139	57 58 47·3	74·26	1	16·64	W 907.
1140	51 30 0·3	72·97	4	16·67	W 916, T 4342, Ar 2157, RC [2405, Y 4110, Gl 2560.
1141	105 17 47·6	81·22	2	16·68	Bn, Si_4 999, L_6.
1142	89 20 18·3	76·72	4	16·71	W 970, Si_1, L_1 2695, Gl 2568.
1143	54 25 43·7	68·48	4	16·73	W 948, T_2, Gl 2569.
1144	74 40 30·4	68·63	5	16·77	W 980, Y 4125.
1145	83 27 15·0	73·55	3	16·78	W 996, Si_1, T_2, Gl 2573.
1146	64 46 7·8	71·73	3	16·82	W 991.
1147	102 21 15·2	75·72	4	16·84	W 1025, Si_3 1207.
1148	108 25 7·0	68·18	1	16·86	Bn. [Gl 2584.
1149	94 23 4·0	68·21	2	16·88	W 1037, Si_2, Sp 3651, L_6,
1150	85 9 50·6	77·75	2	16·93	W 1057, Si_1, Bn, Gl 2589.
1151	86 4 21·7	72·25	3	16·95	W 1062, L_2 134.
1152	72 56 49·0	66·89	7	16·95	W 1055, R 3015.
1153	78 56 48·2	78·44	5	17·01	W 1096.
1154	68 4 58·6	69·05	6	17·03	W 1095.
1155	92 25 30·2	81·20	2	17·04	W 1109, L_1 2751.
1156	105 24 53·0	60·16	1	17·06	Oe 10266, L_6. [Y 4169.
1157	57 52 0·5	67·18	8	17·14	W 1135, Ar 2184, T_2,
1158	90 25 3·4	74·25	2	17·15	W 1160, L_1 2767, Gl 2603.
1159	106 43 54·6	68·20	1	17·17	Oe 10293.
1160	95 0 59·5	81·04	5	17·22	W 1199, L_3 791, Gl 2608.
1161	56 45 0·3	73·49	4	17·22	W 1181, T_2, Y 4178.
1162	37 1 27·0	68·21	6	17·23	RC 2435.
1163	70 26 35·8	70·57	6	17·23	W 1191.
1164	54 42 14·2	68·76	2	17·29	
1165	84 23 31·1	80·24	2	17·29	W 1232, T_2, Gl 2616.
1166	54 23 23·6	67·80	5	17·30	W 1210, T_2, Y 4195.
1167	67 52 47·8	74·26	1	17·34	W 1238.
1168	98 56 29·0	68·21	1	17·34	W 1252, Sp 3705, L_3 804.
1169	110 20 28·3	75·41	4	17·38	Oe 10357.
1170	74 13 48·4	71·64	5	+17·41	W 1284.

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
			h	m	s			
1171	19743	7·5	10	1	7·53	70·63	5	+3·090
1172	19750	6·5	10	1	9·68	77·89	3	2·875
1173	19782	7·7	10	2	57·21	71·43	5	3·106
1174	19810	6·5	10	3	48·83	81·26	1	2·940
1175	19814	6·0	10	4	0·35	78·24	4	2·932
1176	19808	6·5	10	4	13·09	70·23	5	3·324
1177	19823	7·8	10	4	40·25	71·93	3	3·051
1178	19828	6·5	10	4	42·92	67·24	1	2·984
1179	19835	7·0	10	4	49·83	81·24	1	2·898
1180	19833	7·7	10	5	9·39	70·83	5	3·315
1181	19837	7·0	10	5	36·29	73·92	3	3·425
1182	19870	8·3	10	6	34·19	83·26	1	3·114
1183	19865	6·5	10	6	45·73	72·23	4	3·406
1184	19877	8·0	10	6	52·86	81·24	1	3·182
1185	19886	7·5	10	7	53·45	70·24	5	3·647
1186	19909	8·5	10	8	20·70	72·22	1	3·181
1187	19914	7·9	10	8	29·76	75·24	4	3·208
1188	19911	6·8	10	8	51·72	69·22	5	3·522
1189	19936	6·0	10	9	4·47	72·36	2	2·949
1190		7·0	10	9	59·48	77·92	3	2·956
1191	19967	7·0	10	10	13·91	81·24	1	2·901
1192	19960	8·0	10	10	25·01	76·25	5	3·098
1193	19964	6·5	10	11	15·54	69·40	5	3·736
1194	19991	6·0	10	11	24·96	68·19	2	2·992
1195	20002	7·2	10	12	9·80	75·21	1	3·273
1196	19985	7·0	10	12	10·81	69·98	4	3·919
1197	20015	8·1	10	12	46·14	74·28	1	3·177
1198	20045	8·0	10	13	18·			3·024
1199	20059	7·0	10	13	47·			2·984
1200	20052	7·8	10	14	7·89	71·26	1	3·476
1201	20076	7·0	10	14	26·95	74·50	8	3·023
1202	20086	7·0	10	14	49·61	79·26	1	3·022
1203	20101	6·0	10	15	54·05	68·18	1	3·476
1204	20105	7·0	10	15	54·86	70·70	4	3·431
1205	20129	7·0	10	16	3·44	81·24	3	2·939
1206	20112	7·7	10	16	10·14	74·88	5	3·282
1207	20135	7·0	10	16	51·28	70·75	4	3·358
1208	20170	6·7	10	17	45·45	80·25	2	3·102
1209	20169	6·8	10	18	15·19	71·48	5	3·502
1210	20191	6·0	10	18	39·50	77·95	3	3·167
1211	20202	7·2	10	19	18·97	74·54	4	3·341
1212	20247	9·0	10	19	55·			3·039
1213	20230	7·7	10	20	0·35	69·74	4	3·343
1214	20233	7·5	10	20	19·08	73·20	2	3·577
1215	20296	6·8	10	21	58·38	71·09	6	+3·396

No.	Mean N.P.D. 1875·0	Epoch.	Obs.	Ann. Prec.	Authorities.
1171	88° 28′ 19″·7	70·06	6	+17″·41	W 1289, Si_1, L_1 2809.
1172	106 31 51·6	75·89	4	17·42	Oe 10377.
1173	87 1 0·4	72·05	5	17·50	W 6, L_2 154, Gl 2633.
1174	101 28 53·6	70·71	2	17·53	
1175	102 11 57·8	78·24	4	17·54	W 29, T_2, L_6 654, St 5507.
1176	68 41 5·1	67·35	7	17·55	[2841.
1177	91 48 2·1	71·93	3	17·57	W 44, Bn, Sp 3729, L_1
1178	97 48 8·8	63·82	3	17·57	W 47, T 4523, Ar 2211, N7yr
1179	105 5 41·0	81·24	1	17·57	W 50, Si_4 1030 [1235, L_6 St 5516
1180	69 15 56·7	70·83	5	17·59	W 68.
1181	61 8 29·5	73·03	5	17·61	W 77.
1182	86 13 33·4	83·26	1	17·65	L_2 164.
1183	62 14 46·7	71·91	3	17·66	
1184	80 11 45·7	81·24	1	17·66	W 81, Si_1, Gl 2645.
1185	47 30 17·8	70·50	4	17·70	W 132.
1186	80 10 2·7	72·22	1	17·72	W 112, Gl 2655.
1187	77 42 22·9	75·05	5	17·73	W 116, R 3106, Y 4265,
1188	54 12 53·6	69·18	5	17·74	W 151. [Gl 2656.
1189	101 10 10·9	66·22	2	17·75	L_6.
1190	100 34 54·9	75·24	4	17·79	Si_2, L_5 671.
1191	105 31 12·5	81·24	1	17·80	Bn, L_6.
1192	87 34 50·1	76·25	5	17·81	W 147, Si_1, L_1 2886, Gl
1193	42 36 48·7	66·87	6	17·84	Oe 10716, Bn. [2666.
1194	97 26 41·9	68·19	2	17·85	See *Notes*.
1195	71 40 8·4	75·29	1	17·87	W 219.
1196	35 35 48·8	68·55	3	17·88	
1197	80 9 39·1	74·28	1	17·90	W 189.
1198	94 36 0·1	68·21	3	17·92	W 207, Ar 2244, L_6.
1199	98 25 47·7	67·20	1	17·94	W 212, Si_2, Sp 3785, L_3
1200	55 53 58·6	70·19	1	17·95	W 254. [859.
1201	94 45 15·3	71·28	4	17·96	[Gl 2685. W 224, Si_2, Bn, L_3 863, Y 4302,
1202	94 47 15·1	70·28	2	17·98	W 229, Si_2, Bn, L_3 866, Y 4307, Gl
1203	55 28 17·3	68·18	2	18·02	Ar 2251, N7yr 1258. [2687.
1204	58 31 56·1	71·03	5	18·02	W 290, Y 4313.
1205	102 46 48·2	81·24	3	18·03	W 251, Si_3 1255, L_5 700.
1206	70 14 21·1	74·88	5	18·03	W 295, R 3171.
1207	63 47 53·6	70·87	3	18·06	W 312.
1208	87 0 0·1	80·25	2	18·09	L_2 211.
1209	53 9 43·0	71·08	6	18·11	Y 4327.
1210	80 34 50·2	77·95	3	18·12	See *Notes*.
1211	64 39 1·0	74·54	4	18·15	W 353, R 3186.
1212	93 25 1·8	66·50	3	18·17	W 324, Ar 2263.
1213	64 24 58·9	67·73	6	18·18	W 367.
1214	48 7 43·3	73·20	2	18·19	
1215	59 38 1·5	70·57	6	+18·25	W 409, T 4679, Ar 2273.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
1216	20303	7·2	10h 21m 58s·53	80·91	3	+3s·250
1217	20304	7·8	10 22 2·44	77·87	5	3·209
1218	20309	8·5	10 22 22·			3·395
1219	20301	7·7	10 22 23·74	72·50	5	3·654
1220	20325	7·0	10 22 52·76	75·95	3	3·380
1221	20357	7·5	10 23 55·15	71·50	4	3·146
1222	20379	7·7	10 24 51·65	75·30	1	3·320
1223	20391	6·8	10 25 23·64	74·51	4	3·323
1224	20396	7·4	10 25 51·41	77·24	5	3·518
1225	20443	7·0	10 26 55·29	68·21	1	3·029
1226	20432	7·0	10 26 55·74	73·79	2	3·308
1227	20453	7·2	10 28 1·75	70·86	5	3·619
1228	20464	7·0	10 28 4·23	73·61	2	2·987
1229	20483	7·0	10 28 30·06	71·78	4	3·043
1230	20484	7·0	10 28 39·33	74·78	6	3·098
1231	20491	6·5	10 29 7·16	72·26	2	3·029
1232	20521	7·0	10 30 4·26	71·64	5	2·983
1233	20539	7·0	10 30 46·08	75·77	4	2·999
1234		5·0	10 31 21·			2·818
1235	20556	6·5	10 31 23·04	72·46	5	2·958
1236	20566	7·7	10 31 56·91	75·29	4	3·130
1237	20554	5·7	10 31 57·99	79·57	2	3·472
1238	20609	8·0	10 33 26·71	71·58	3	2·964
1239	20596	7·5	10 33 28·75	70·05	5	3·518
1240	20618	8·0	10 34 0·38	74·26	1	3·000
1241	20623	7·6	10 34 38·84	71·87	5	3·261
1242	20630	8·2	10 34 50·34	75·30	3	3·151
1243	20642	7·7	10 35 5·95	73·67	5	3·170
1244	20655	7·0	10 35 48·26	79·07	5	3·236
1245	20680	6·5	10 36 21·29	65·26	1	2·959
1246	20673	8·6	10 36 46·91	69·95	3	3·517
1247	20695	7·2	10 37 28·76	71·25	4	3·501
1248	20703	6·8	10 37 30·82	75·75	4	3·247
1249	20712	7·7	10 37 50·94	75·30	3	3·164
1250	20742	8·4	10 39 25·			3·299
1251	20748	6·5	10 39 42·47	72·93	6	3·182
1252		8·7	10 39 46·61	74·30	2	3·370
1253	20764	8·0	10 40 30·08	77·86	5	3·267
1254	20767	7·0	10 40 50·73	69·52	4	3·476
1255	20788	8·2	10 41 2·21	69·94	3	3·097
1256	20778	8·0	10 41 12·74	68·77	4	3·475
1257	20823	6·5	10 42 18·19	72·26	1	3·062
1258	20850	6·5	10 43 28·19	73·25	2	3·000
1259	20852	6·8	10 43 50·04	75·28	1	3·267
1260		8·0	10 43 57·79	65·31	1	+3·008

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1216	72° 13′ 46″·2	80·91	3	+18″·25	W 412, Y 4355.
1217	76 4 25·9	77·87	5	18·25	W 364, Gl 2728.
1218	59 40 47·5	68·18	2	18·26	W 421, Ar 2275.
1219	43 30 30·0	73·59	3	18·26	Oe 10879.
1220	60 46 48·6	75·03	4	18·28	W 437. [L_2 251, Gl 2739.
1221	82 18 4·0	71·50	4	18·32	W 403, R 3212, Bn, Sp 3845,
1222	65 16 33·4	75·30	1	18·35	W 472, R 3218.
1223	64 54 58·1	73·05	5	18·37	W 484.
1224	50 8 9·5	77·24	5	18·39	W 491. [Gl 2748.
1225	94 42 49·9	68·21	1	18·42	W 447, Si_2, Sp 3863, L_6,
1226	66 0 21·2	69·06	4	18·42	W 514, PM 1217, R 3239.
1227	43 42 1·9	67·96	7	18·46	R 3244, Oe 10955, RC
1228	99 15 16·1	70·82	3	18·46	Bn, L_5 743, Y 4401. [2518.
1229	93 14 56·3	70·55	5	18·48	W 486, Si_2, Sp 3871, L_3 919, Gl.
1230	87 9 2·8	74·78	6	18·48	W 489, Si_1, Gl 2756. [2755.
1231	94 43 0·6	72·26	2	18·50	L_3 923.
1232	99 56 8·7	71·64	5	18·53	W 515, L_5 753.
1233	98 11 27·1	75·77	4	18·56	W 532, Si_2, L_3 931. [5825.
1234	116 45 54·7	66·74	4	18·57	T 4772, Ar 2310, Oe 10764, Y 4431, St
1235	102 44 7·6	72·46	5	18·57	W 544, T_2, Si_3 1284, L_6 759, [Y 4430, St 5827.
1236	83 26 14·3	75·29	4	18·59	W 552, Si_1, Gl 2765.
1237	51 26 19·7	79·57	2	18·59	See *Notes*.
1238	102 20 39·5	70·65	5	18·64	W 579, Si_3 1287.
1239	47 49 19·6	71·50	4	18·64	W 652, RC 2538.
1240	98 23 36·2	68·28	3	18·66	W 587, L_3 946.
1241	68 47 42·0	71·05	6	18·68	W 679.
1242	80 47 7·4	75·30	3	18·68	W 595, L_4 356, Gl 2773.
1243	78 36 30·5	73·67	5	18·69	W 604, R 3291, T_2, 7 yr 831,
1244	71 7 35·9	79·07	5	18·71	W 704. [Sp 3909, Gl 2776
1245	103 19 14·1	60·18	1	18·73	W 634, Si_4 1058, L_6 783.
1246	46 52 6·2	69·95	3	18·75	W 726, Bn.
1247	47 37 49·4	71·25	4	18·77	
1248	69 35 8·2	75·75	4	18·77	
1249	78 58 9·5	75·30	3	18·78	W 656, R 3312, Sp 3923,
1250	63 43 44·7	68·24	2	18·83	[Y 4476, Gl 2788.
1251	76 35 39·5	73·06	5	18·84	7 yr 837.
1252	56 57 59·0	74·30	2	18·84	R 3323.
1253	66 46 1·3	77·50	4	18·86	W 800, R 3328.
1254	48 13 52·2	68·76	6	18·87	W 807, RC 2558.
1255	86 49 29·9	69·51	4	18·88	W 708, Ar 2342, L_2 359, [Gl 2799.
1256	48 10 56·2	64·70	2	18·88	W 815. [L_1 3089, Gl 2802.
1257	91 17 58·0	68·25	1	18·92	W 733, R 3345, Si_1,
1258	99 11 28·7	71·49	3	18·95	W 760, L_5 824.
1259	65 55 59·8	75·28	1	18·96	W 865. [Sp 3955, L_3 976.
1260	98 19 45·2	68·20	3	+18·96	W 768, T 4889, Ar 2352,

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
1261	20876	6·8	10h 44m 34s·17	72·75	6	+3s·166
1262	20882	8·2	10 44 41·25	75·30	1	3·147
1263	20885	8·2	10 44 46·13	79·93	3	3·147
1264	20896	7·1	10 45 30·31	69·11	6	3·419
1265	20919	6·9	10 45 48·45	72·59	3	3·085
1266	20961	5·7	10 47 21·80	75·26	4	3·061
1267	20958	7·0	10 47 31·06	74·95	3	3·324
1268	20937	7·0	10 47 43·50	72·87	5	3·314
1269	20988	8·0	10 48 28·70	71·49	4	3·016
1270	21006	6·2	10 49 16·40	68·21	1	3·082
1271	21014	7·3	10 49 36·06	69·10	6	3·251
1272	21020	7·0	10 49 47·			3·271
1273	21030	7·8	10 50 2·35	73·79	4	3·114
1274	21040	7·8	10 50 35·50	74·79	2	3·232
1275	21063	7·7	10 51 39·93	72·60	6	3·165
1276	21066	7·5	10 51 54·41	72·28	1	3·231
1277	21084	7·0	10 52 28·81	80·26	1	3·202
1278	21092	7·7	10 52 43·93	70·57	3	3·184
1279	21126	9·0	10 53 58·80	81·76	2	3·981
1280	21115	6·7	10 54 8·68	72·61	3	3·485
1281	21144	7·0	10 54 35·92	71·23	1	2·996
1282	21164	5·2	10 55 27·20	68·00	1	3·060
1283	21179	7·0	10 56 22·57	65·26	1	3·280
1284	21224	7·5	10 57 59·82	65·28	1	3·363
1285	21238	8·0	10 58 21·79	76·22	2	3·050
1286	21277	7·2	11 0 16·01	75·29	3	3·205
1287	21294	6·0	11 0 26·55	79·28	1	2·997
1288	21266	7·8	11 0 41·72	74·00	4	3·337
1289	21300	7·3	11 0 50·51	72·65	5	3·209
1290	21331	7·2	11 2 15·36	74·27	5	3·271
1291		6·0	11 2 41·			2·901
1292	21354	7·0	11 3 3·11	71·90	3	3·007
1293	21345	7·5	11 3 7·13	73·08	5	3·287
1294	21358	8·0	11 3 16·53	83·26	1	3·090
1295	21371	7·0	11 4 4·71	80·24	2	3·141
1296	21411	7·2	11 5 33·53	74·52	4	3·296
1297	21418	6·8	11 5 43·77	72·46	8	3·304
1298	21421	7·7	11 5 53·86	71·06	5	3·303
1299	21445	6·0	11 6 18·48	75·28	3	2·971
1300	21487	8·0	11 8 4·54	80·26	1	3·107
1301	21491	8·5	11 8 13·71	74·51	4	3·216
1302	21519	6·5	11 9 23·07	71·69	5	3·010
1303	21525	8·0	11 9 49·19	78·62	3	3·058
1304	21546	7·5	11 11 5·75	72·26	5	3·209
1305	21553	6·9	11 11 23·90	75·28	2	+3·191

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1261	77° 45′ 30″·1	72·75	6	+18″·98	W 781, Bn, 7yr 841, Y 4526, Gl
1262	80 6 22·6	75·30	1	18·98	W 782, L_4 377, Gl 2809. [2808.
1263	80 11 15·1	79·93	3	18·98	W 785, L_4 378, Gl 2811.
1264	51 0 2·3	67·11	7	19·00	W 894.
1265	88 18 43·3	72·59	3	19·02	W 817, T_2, L_1 3115, Y [4533, Gl 2815.
1266	91 27 55·7	75·26	4	19·06	See *Notes*.
1267	58 48 12·2	74·95	3	19·06	W 943.
1268	59 42 12·9	72·87	5	19·07	W 945.
1269	97 42 48·8	71·49	4	19·08	W 867, Si_2, L_3 997.
1270	88 35 49·0	68·20	2	19·11	See *Notes*.
1271	66 4 54·4	66·42	5	19·12	R 3403, Y 4572. [1331.
1272	63 50 0·5	68·21	2	19·12	W 985, T 4942, Ar 2378, N 7 yr
1273	84 3 32·6	73·79	4	19·13	W 887, R 3408, Sp 3989, L_2 421,
1274	68 11 29·7	74·79	2	19·14	W 995. [Gl 2838,
1275	79 37 50·7	72·60	6	19·17	W 914, R 3420, L_2, Y [4584, Gl 2845.
1276	68 5 40·2	72·28	1	19·18	W 1019.
1277	71 30 14·6	80·26	1	19·19	
1278	73 47 26·1	68·22	4	19·20	W 1037.
1279	103 24 48·1	81·76	2	19·23	W 951, Si_4 1083, L_5 884.
1280	42 45 57·3	68·25	4	19·23	
1281	101 24 37·4	71·23	1	19·24	L_5 887.
1282	91 48 42·4	68·20	3	19·26	See *Notes*.
1283	60 23 50·7	60·33	1	19·29	W 1109.
1284	50 54 52·6	60·19	1	19·32	
1285	93 32 40·4	73·23	3	19·33	W 1033, PM 1276, Si_2, [L_3 1024.
1286	68 50 29·4	75·29	4	19·38	W 1190.
1287	102 19 31·4	79·28	1	19·38	L_5 917.
1288	52 32 18·9	74·00	4	19·39	W 1196, Y 4639.
1289	68 10 25·2	72·02	6	19·39	W 1203.
1290	59 16 57·2	72·10	6	19·42	W 1231.
1291	117 24 11·7	68·22	2	19·43	T 5068, Ar 2420, Oe
1292	101 0 3·6	71·57	3	19·44	$L_5$929. [11175, 7yr 867.
1293	56 47 30·3	73·00	5	19·44	W 6, Y 4660. [Gl 2882.
1294	86 52 10·8	83·26	1	19·44	W 11, Ar 2422, Sp 4052, L_2 500,
1295	78 1 14·6	78·60	3	19·46	W 25, 7 yr 870, Sp 4060, [Gl 2885.
1296	54 32 4·8	74·52	4	19·49	W 62.
1297	53 30 5·9	73·16	7	19·49	W 73, Y 4675.
1298	53 29 26·8	70·02	4	19·50	W 78, Y 4676.
1299	107 49 12·3	75·28	3	19·51	Bn.
1300	83 19 38·5	80·26	1	19·54	W 98, L_2 530, Gl 2902.
1301	64 20 0·3	74·51	4	19·55	Bn.
1302	101 54 40·5	70·69	6	19·57	[Gl 2907.
1303	92 47 30·1	76·79	5	19·57	W 133, Sp 4092, Y 4709,
1304	64 15 57·7	73·01	4	19·60	W 180.
1305	67 8 14·0	75·28	2	+19·60	W 186.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
1306	21563	7·0	11h 12m 0s·47	71·24	3	+3s·275
1307	21578	7·8	11 12 48·14	71·00	4	3·253
1308	21579	7·5	11 12 53·			3·291
1309	21582	6·8	11 12 58·69	79·30	2	3·179
1310	21618	7·0	11 14 13·48	74·28	5	3·028
1311	21626	8·0	11 14 30·92	73·27	3	3·086
1312	21660	6·7	11 15 56·31	78·04	4	3·156
1313	21662	7·7	11 16 8·81	72·05	6	3·234
1314	21665	7·0	11 16 9·21	70·95	3	3·036
1315	21669	8·0	11 16 21·			3·146
1316	21688	7·2	11 17 5·08	71·50	2	3·158
1317	21707	8·0	11 17 54·11	79·53	4	3·167
1318	21727	7·2	11 18 35·43	69·67	5	3·066
1319	21734	6·5	11 18 58·31	76·89	5	3·213
1320	21753	7·0	11 19 33·83	80·26	1	3·174
1321	21757	6·8	11 19 43·64	72·89	5	3·231
1322	21777	7·7	11 20 30·20	72·96	3	3·225
1323	21822	7·5	11 21 38·53	75·30	1	3·157
1324	21828	7·7	11 21 39·		2	3·071
1325	21824	8·1	11 21 50·83	73·28	4	3·258
1326	21846	7·0	11 22 39·44	69·68	5	3·203
1327	21858	7·5	11 23 17·13	79·87	5	3·175
1328	21863	6·8	11 23 26·77	71·43	7	3·198
1329	21877	8·5	11 23 57·10	75·30	3	3·108
1330	21896	7·1	11 25 17·30	71·78	4	3·166
1331	21902	6·5	11 25 31·55	76·53	4	3·223
1332	21922	7·7	11 26 22·84	76·96	3	3·208
1333	21927	7·2	11 26 56·79	70·30	2	3·506
1334	21946	8·3	11 27 4·88	74·69	4	3·101
1335	21960	6·5	11 27 45·53	80·26	1	3·020
1336	21977	6·5	11 28 32·33	71·28	5	3·143
1337	21987	7·5	11 29 10·32	78·65	5	3·132
1338	22003	6·8	11 29 54·95	74·31	2	3·156
1339	22026	6·5	11 30 54·13	69·28	2	3·244
1340	22034	7·0	11 30 59·20	65·26	1	3·037
1341	22059	6·3	11 31 55·98	76·63	3	3·185
1342	22067	7·0	11 32 10·91	69·47	5	3·208
1343	22098	7·0	11 33 18·30	73·80	4	3·048
1344	22100	6·9	11 33 38·30	72·31	5	3·151
1345	22112	8·8	11 34 15·21	79·48	5	3·097
1346	22144	6·5	11 35 35·61	69·08	5	3·132
1347	22148	7·7	11 35 43·76	78·63	3	3·085
1348	22151	7·5	11 35 43·99	65·29	1	3·030
1349	22155	7·5	11 36 1·08	75·56	4	3·080
1350	22168	7·3	11 36 50·74	73·29	2	+3·146

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1306	53° 49′ 38ˢ·7	71·24	3	+19″·62	W 199, Bn, Y 4720.
1307	56 29 32·7	71·00	4	19·63	W 214.
1308	51 12 48·0	66·30	5	19·63	W 215, Ar 2455.
1309	68 35 31·6	75·60	3	19·63	W 220.
1310	99 36 39·3	74·48	5	19·66	W 215, Si_2, L_5 980.
1311	86 53 31·7	73·27	3	19·66	L_2 568.
1312	71 52 38·9	78·04	4	19·68	R 3543, T^2, N 7 yr 1372, Y 4748, 9 yr
1313	57 29 9·9	73·79	4	19·69	W 273. [1059, Gl 2931.
1314	98 9 28·2	69·53	4	19·69	W 250, Si_2, L_3 1096.
1315	73 46 52·3	68·22	2	19·69	R 3546.
1316	72 10 16·2	74·26	1	19·71	
1317	68 41 34·2	76·50	4	19·72	W 308, R 3557. [2940.
1318	91 31 28·2	69·78	4	19·73	W 290, Si_2, L_1 3319, Gl
1319	59 19 36·3	74·11	6	19·73	W 330, R 3567, Bn.
1320	66 36 19·1	74·25	2	19·74	W 338.
1321	55 51 47·0	72·89	5	19·74	W 341.
1322	56 11 10·4	71·78	4	19·76	W 355.
1323	69 14 39·9	75·30	1	19·77	W 382, R 3590.
1324	90 12 32·4	66·27	5	19·77	See *Notes*.
1325	50 0 16·3	72·15	5	19·78	W 386, RC 2688.
1326	58 52 55·9	66·88	5	19·79	W 397, Bn.
1327	64 21 52·4	79·87	5	19·80	W 412.
1328	59 20 22·9	72·08	5	19·80	W 413, Bn.
1329	80 12 14·5	75·30	3	19·81	W 393, R 3608, L 453.
1330	64 59 56·5	71·05	5	19·82	W450, PM 1321, R3620, [Bn.
1331	53 3 44·4	76·53	4	19·83	W 457, R 3623, Bn, Y
1332	55 15 29·3	76·96	3	19·84	W 473, R 3628. [4806.
1333	24 3 30·2	68·50	3	19·85	[Y 4821, Gl 2980.
1334	81 19 51·0	74·45	3	19·85	W 446, Si_1, Bn, $L_2$635,
1335	105 21 20·9	75·75	2	19·86	W 456, Bn, Si_4 1112, L_6.
1336	68 52 4·5	70·80	6	19·87	W 509, Bn, Y 4834.
1337	71 26 6·0	75·45	5	19·88	W 523.
1338	64 16 44·5	72·29	3	19·88	W 539, Y 4845.
1339	44 35 35·4	69·32	1	19·90	12 yr 965, 6 yr 759.
1340	101 39 10·8	63·70	2	19·90	W 521, $Si_3$1379, $L_5$1025.
1341	55 40 54·7	76·63	3	19·90	Y 4860.
1342	50 8 7·5	68·00	4	19·90	W 598.
1343	98 46 25·0	73·81	4	19·92	W 561, Si_2, L_3 1179.
1344	65 35 58·7	71·00	6	19·92	W 632, R 3684.
1345	80 38 5·7	79·48	5	19·93	W 577, Sp 4215, L_6, Gl [3007.
1346	67 5 38·9	69·08	5	19·94	W 677, R 3697, Y 4896.
1347	84 33 38·8	78·63	3	19·94	See *Notes*.
1348	106 19 28·8	60·17	1	19·94	Oe 11585. [Gl 3014.
1349	86 56 38·4	75·56	4	19·95	W 609, R 3705, Si_1, $L_1$673,
1350	61 15 9·3	73·29	2	+19·95	W 698.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
1351	22175	7·2	11h 36m 58s·04	68·29	3	+3s·157
1352	22184	7·0	11 37 16·73	71·32	5	3·133
1353	22201	7·0	11 38 12·35	76·49	5	3·143
1354	22220	7·4	11 38 44·			3·105
1355	22231	7·9	11 38 58·65	77·71	5	3·089
1356	22229	7·0	11 39 1·69	69·08	5	3·165
1357	22237	8·5	11 39 19·05	81·78	2	3·080
1358	22273	7·5	11 40 49·77	72·30	5	3·128
1359	22279	7·8	11 41 0·03	69·31	1	3·114
1360	22285	7·8	11 41 23·50	71·30	3	3·140
1361	22289	7·5	11 41 26·63	75·93	3	3·129
1362	22324	7·5	11 43 5·22	69·30	2	3·130
1363	22350	7·7	11 44 15·28	75·21	5	3·122
1364	22354	7·1	11 44 27·87	73·54	4	3·134
1365	22359	6·2	11 44 39·42	70·64	6	3·132
1366	22363	7·5	11 44 40·			3·052
1367	22366	7·2	11 45 0·61	78·49	5	3·092
1368	22409	7·5	11 47 7·11	74·00	5	3·144
1369	22436	8·3	11 48 8·35	73·78	4	3·090
1370	22450	6·5	11 48 45·91	72·80	4	3·123
1371	22453	6·5	11 48 53·04	79·56	4	3·126
1372	22455	7·0	11 48 58·08	68·08	5	3·113
1373	22484	7·0	11 49 48·47	70·25	6	3·106
1374	22489	6·8	11 49 54·96	77·51	5	3·103
1375	22499	7·5	11 50 21·69	81·29	1	3·062
1376	22512	7·5	11 50 59·36	77·75	2	3·099
1377	22532	7·8	11 51 37·66	72·50	5	3·095
1378	22536	7·5	11 51 44·03	80·30	3	3·069
1379	22541	8·1	11 52 1·36	71·08	5	3·102
1380	22562	7·7	11 53 10·27	75·07	4	3·071
1381	22567	6·6	11 53 31·89	69·52	5	3·098
1382	22575	8·2	11 53 45·20	69·80	2	3·096
1383	22585	6·5	11 54 19·63	80·30	3	3·078
1384	22601	7·2	11 54 49·66	71·09	5	3·079
1385	22612	5·5	11 55 15·27	70·69	5	3·093
1386	22628	8·0	11 56 2·68	82·26	2	3·063
1387	22632	6·7	11 56 8·43	69·76	2	3·095
1388	22634	8·2	11 56 10·91	74·57	4	3·076
1389	22678	7·7	11 57 54·75	80·06	4	3·073
1390	22663	8·3	11 58 12·55	74·08	5	3·073
1391	22683	7·3	11 58 17·10	69·50	5	3·079
1392	22697	7·3	11 58 44·75	73·07	4	3·077
1393	22708	7·5	11 59 11·15	80·05	4	3·071
1394		6·0	11 59 19·			3·080
1395	22727	8·0	12 0 17·16	73·31	1	+3·071

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1351	57° 32′ 35″·7	67·00	4	+19″·95	W 703, Ar 2528.
1352	65 17 46·6	71·82	4	19·96	W 708, T 5378, R 3714, Ar
1353	60 38 12·2	76·49	5	19·96	W 729. [2530, Y 4905.
1354	75 2 37·2	68·23	2	19·97	W 740, R 3727, Y 4917.
1355	82 16 32·0	77·71	5	19·97	W 662, L_2 686, Gl 3025.
1356	53 24 45·4	67·88	5	19·97	W 749, Y 4920.
1357	86 28 51·9	81·78	2	19·97	W 665, L_3 691.
1358	64 52 51·6	73·06	4	19·98	W 779.
1359	69 16 23·0	69·31	1	19·99	W 785, Y 4935.
1360	56 48 52·8	71·30	3	19·99	W 790.
1361	61 57 54·8	73·28	4	19·99	W 791, R 3741.
1362	59 48 23·2	68·94	3	20·00	W 825.
1363	61 12 30·6	73·00	6	20·01	W 849.
1364	55 42 3·2	73·54	4	20·01	
1365	55 55 50·6	70·05	7	20·01	W 854, Bn.
1366	102 37 44·1	66·78	2	20·01	W 755, Si_3 1398.
1367	77 29 59·6	78·49	5	20·01	W 762, R 3750, Gl 3045.
1368	46 23 18·3	73·28	5	20·02	W 895, RC 2756.
1369	75 8 59·9	73·78	4	20·03	W 806.
1370	52 32 48·8	71·50	5	20·03	W 925, Y 4986.
1371	50 32 47·1	79·56	4	20·03	W 926.
1372	63 46 53·0	69·03	4	20·03	W 928.
1373	60 26 46·8	69·90	6	20·03	W 953.
1374	62 37 31·6	75·63	6	20·04	W 957, Bn.
1375	100 1 34·9	74·76	2	20·04	L_5 1073.
1376	62 32 13·9	77·75	2	20·04	
1377	64 9 59·4	73·00	5	20·04	W 990.
1378	93 40 39·3	80·30	3	20·04	W 867, Si_2, Sp 4313, L_3
1379	57 22 57·2	71·08	5	20·04	W 1001. [1263, Gl 3070.
1380	91 13 19·4	75·07	4	20·05	W 895, Si_1, L_1 3523, Y [5008, Gl 3076.
1381	55 16 15·0	68·53	5	20·05	W 1025, Y 5010.
1382	57 3 47·1	69·80	2	20·05	
1383	99 44 4·6	80·30	3	20·05	See *Notes*. [Gl 3080.
1384	76 55 36·2	70·62	6	20·05	W 926, R 3779, Y 5024,
1385	53 15 32·8	69·79	6	20·05	W 1066, Y 5026.
1386	101 14 16·9	71·26	1	20·05	W 942, Si_3 1410, L_4 1094.
1387	46 12 4·3	70·31	1	20·05	See *Notes*. [Gl 3085.
1388	81 14 1·3	74·57	4	20·05	W 944, Bn, Sp 4342, L_6,
1389	84 22 18·3	80·06	4	20·05	W 972, L_2 792, Gl 3091.
1390	86 8 29·9	73·00	6	20·05	W 975, R 3801, L_2 795.
1391	53 44 11·6	68·51	5	20·05	W 1126.
1392	55 33 7·5	71·75	5	20·05	W 1138.
1393	95 9 1·5	80·05	4	20·05	W 994, Si_2, L_3 1294,
1394	26 22 4·5	64·08	5	20·05	See *Notes*. [Gl 3097.
1395	55 44 12·3	73·31	1	+20·05	

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
1396	22755	8·0	12h	1m	9s·25	70·81	4	+3s·072
1397	22764	7·2	12	1	43·91	71·30	5	3·066
1398	22783	6·8	12	2	14·48	77·13	5	3·065
1399	22798	8·5	12	3	0·85	73·54	3	3·074
1400	22826	7·0	12	3	45·34	77·69	5	3·065
1401	22836	7·2	12	4	6·78	70·30	3	3·058
1402	22846	7·1	12	4	28·30	74·56	4	3·050
1403	22871	7·0	12	5	11·55	79·33	4	3·051
1404	22880	6·7	12	5	39·68	71·30	4	3·054
1405	22902	7·5	12	6	31·83	72·31	4	3·048
1406	22931	8·0	12	7	40·11	81·80	2	3·034
1407	22960	8·2	12	8	51·57	74·97	3	3·038
1408	22964	7·8	12	9	3·63	68·29	5	3·028
1409	22970	7·2	12	9	12·52	68·66	3	3·028
1410	22991	8·0	12	9	51·80	65·29	1	3·075
1411	23002	7·2	12	10	26·26	71·11	5	3·021
1412	23006	6·0	12	10	36·64	79·52	5	3·090
1413	23018	5·8	12	11	12·55	75·08	4	3·035
1414	23025	7·0	12	11	22·78	79·31	4	3·053
1415	23051	6·5	12	12	13·15	77·82	2	3·030
1416	23074	7·0	12	12	59·35	67·80	4	3·052
1417	23136	7·2	12	14	47·45	72·65	3	3·030
1418	23150	8·0	12	15	26·10	65·29	1	3·078
1419	23154	6·8	12	15	42·64	78·33	5	3·044
1420	23159	6·5	12	15	47·62	72·64	6	2·970
1421	23188	8·0	12	17	2·31	79·66	3	3·081
1422	23195	7·0	12	17	12·49	69·63	6	3·025
1423	23214	6·3	12	18	10·24	73·30	7	3·020
1424	23225	7·2	12	18	34·98	75·33	4	3·005
1425	23228	6·5	12	18	45·01	79·93	5	3·093
1426	23260	7·5	12	19	22·62	75·33	2	3·020
1427	23252	7·7	12	19	37·66	70·72	5	3·067
1428	23287	7·1	12	21	1·00	71·07	4	2·980
1429	23293	7·0	12	21	15·17	75·30	3	3·031
1430	23296	8·3	12	21	17·49	76·35	1	3·057
1431	23312	7·0	12	21	30·65	73·12	5	3·088
1432		7·3	12	21	56·			3·061
1433	23334	6·5	12	22	23·36	74·82	4	3 006
1434	23354	7·0	12	23	5·28	68·79	6	2·976
1435	23373	7·7	12	23	40·			3·007
1436	23375	8·3	12	23	45·14	69·31	2	3·009
1437	23381	7·5	12	24	11·89	73·01	6	3·062
1438	23382	8·0	12	24	12·80	79·59	4	3·046
1439	23387	8·0	12	24	25·35	70·31	1	3·079
1440	23396	5·3	12	24	45·87	77·64	3	+3·005

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1396	84° 47′ 26″·0	70·81	4	+20″·05	12yr 991, Bn, L_2 809.
1397	58 15 12·5	71·30	5	20·05	
1398	62 48 34·8	77·13	5	20·05	W 1218, R 3828.
1399	101 9 18·7	69·80	4	20·05	See *Notes*.
1400	72 52 36·1	77·69	5	20·05	W 33, R 3841.
1401	60 14 13·0	68·12	5	20·05	W 49, Bn.
1402	49 24 46·1	74·56	4	20·05	W 56, PM 1385, Bn.
1403	55 2 34·7	79·33	4	20·05	W 77.
1404	60 45 57·6	71·31	4	20·04	W 96.
1405	57 30 26·1	72·31	4	20·04	W 114.
1406	49 19 1·6	76·51	5	20·04	W 138.
1407	56 27 54·7	74·97	3	20·04	W 158
1408	50 34 8·7	68·56	4	20·04	W 160.
1409	50 38 42·9	68·66	3	20·04	W 164.
1410	92 32 18·1	67·27	1	20·03	W 126, R 3886, Si_5 448, [L_1 3641, Gl 3132.
1411	49 42 46·7	71·32	4	20·03	W 186.
1412	105 59 57·1	79·52	5	20·03	Oe 12045.
1413	60 22 9·8	75·08	4	20·03	W 199, Y 5118′.
1414	74 9 35·8	79·31	4	20·03	W 200, Bn.
1415	59 3 9·5	77·82	2	20·02	W 225.
1416	74 45 44·1	66·99	3	20 02	W 245, R 3904.
1417	64 16 46·3	75·82	2	20·01	
1418	93 41 30·4	67·27	1	20·01	W 228, L_3 1365, Gl 3152.
1419	72 33 40·8	78·33	5	20·01	W 311.
1420	42 7 24·6	73·31	5	20·01	Oe 12583.
1421	95 25 39·6	79·66	3	20·00	W 258, Si_2, L_3 1376.
1422	64 42 46·1	69·63	6	20·00	W 338, R 3944, Bn.
1423	63 43 27·3	76·12	5	19·99	PM 1417.
1424	58 16 24·4	75·33	4	19·99	
1425	100 55 2·8	79·93	5	19·99	RC_2 1186, L_5 1149.
1426	65 57 25·3	75·33	2	19·99	W 388, R 3964.
1427	87 15 56·0	70·72	5	19·98	W 295, R 3967, Sp 4478,
1428	52 55 57·2	71·32	5	19·97	W 418. [L_1 3706, Gl 3166.
1429	71 28 20·9	80·30	2	19·97	W 419.
1430	83 9 15·3	76·35	1	19·97	W 325, L_2 920.
1431	97 59 6·8	73·12	5	19·97	W 334, T 6624, Si_3.
1432	84 54 38·6	66·28	2	19·96	See *Notes*. [3180.
1433	63 4 52·9	74·82	4	19·96	W 440, T_2, 7yr 981, Gl
1434	54 36 21·0	69·96	6	19·95	W 468. [5213.
1435	64 58 8·7	65·81	2	19·95	W 478, Ar 2688, Bn, Y
1436	64 45 39·1	65·62	3	19·95	[936.
1437	85 48 3·2	73·01	6	19 94	W 380, Si_1, Sp 4503, L_2
1438	79 35 30·8	79·59	4	19·94	W 381, PM 1428, T 6649.
1439	93 22 13·4	67·64	3	19·94	W 383, L_3 1406 [R, L_4 549
1440	64 44 30·6	77·64	3	+19·94	See *Notes*.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
1441	23397	8·5	12h 24m 50s·19	74·31	1	+3s·061
1442	23422	8·2	12 25 19·91	73·73	5	2·995
1443	23424	7·3	12 25 20·09	79·07	4	2·974
1444	23433	7·7	12 25 39·87	68·69	5	3·075
1445	23453	8·0	12 26 30·40	69·31	5	3·003
1446	23463	6·0	12 27 5·36	76·81	2	3·106
1447	23487	5·4	12 27 29·21	72·13	5	2·965
1448	23500	7·5	12 28 1·26	74·45	7	3·039
1449	23506	6·8	12 28 4·29	78·30	3	2·894
1450	23529	6·5	12 28 53·33	79·56	4	3·003
1451	23531	7·5	12 29 4·23	72·81	2	3·106
1452	23536	7·0	12 29 12·42	66·28	2	3·121
1453	23546	7·6	12 29 16·24	72·33	1	2·976
1454	23570	7·0	12 29 53·93	69·45	7	2·889
1455	23584	7·5	12 30 40·46	70·72	5	3·080
1456	23590	7·5	12 30 53·81	73·00	3	3·095
1457	23605	7·3	12 31 29·97	78·93	5	3·056
1458	23608	6·5	12 31 42·01	74·50	6	3·059
1459	23618	6·0	12 32 13·11	78·34	3	3·161
1460	23621	6·5	12 32 17·66	72·80	2	3·024
1461	23625	8·0	12 32 32·76	76·56	4	3·073
1462	23640	7·2	12 32 36·53	76·32	2	2·871
1463	23653	6·0	12 33 11·84	69·72	5	2·929
1464	23659	7·0	12 34 5·34	74·09	4	3·119
1465	23672	7·2	12 34 26·88	65·26	2	2·951
1466	23681	8·1	12 34 47·06	70·81	2	2·932
1467	23704	8·0	12 35 53·07	75·34	3	3·127
1468	23719	7·5	12 36 30·82	69·31	5	2·954
1469	23735	6·8	12 37 8·68	78·58	4	2·963
1470	23740	7·5	12 37 27·90	74·84	4	2·964
1471	23755	6·7	12 38 6·16	70·51	5	2·909
1472	23753	7·0	12 38 9·44	72·33	4	3·141
1473	23780	7·5	12 38 55·29	80·31	1	2·951
1474	23781	7·5	12 39 5·65	76·66	6	3·087
1475	23802	7·2	12 39 40·44	73·93	5	2·915
1476	23809	8·8	12 40 0·45	69·31	1	3·029
1477	23808	6·4	12 40 1·58	75·73	5	3·030
1478	23838	7·3	12 40 55·46	71·32	4	3·003
1479	23849	8·0	12 41 3·42	70·80	4	2·916
1480	23858	7·4	12 41 36·94	70·56	4	2·986
1481	23869	6·8	12 41 43·81	73·32	2	2·931
1482	23900	6·0	12 42 41·67	68·53	5	2·954
1483	23902	8·2	12 43 5·17	75·84	4	3·046
1484	23913	6·2	12 43 11·71	70·52	5	2·938
1485	23903	6·5	12 43 12·11	79·57	4	+3·139

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1441	85° 44′ 44″·5	74·31	1	+19″·94	W 391, Bn, Sp 4508,
1442	62 14 36·4	73·73	5	19·93	W 512. [L_2 942.
1443	56 17 29·3	78·66	3	19·93	W 514. [3755, Gl 3196.
1444	91 4 59·4	69·05	4	19·93	W 412, Si_1, Si_5 467, L_1
1445	65 53 26·8	69·32	5	19·92	W 537. [1168.
1446	102 8 30·5	76·81	2	19·91	W 429, Si_3 1448, L_5
1447	56 3 42·6	72·13	5	19·91	N 7yr 1490, Gl 3204.
1448	78 23 14·6	73·56	8	19·90	W 449, R 4027, L_4 553, Gl 3206.
1449	42 33 41·3	75·32	4	19·90	Oe 12753, 9yr 1158.
1450	67 25 44·1	78·92	5	19·90	W 599, Y 5253.
1451	101 19 53·6	72·81	2	19·89	W 464, Si_2, Si_3 1452, Sp 4532,
1452	106 8			19·89	Oe 12265. [L_5 1179.
1453	60 28 15·9	72·33	1	19·89	R 4038.
1454	43 31 52·3	68·89	7	19·88	Oe 12776, RC 2887.
1455	91 37 40·9	70·72	5	19·87	W 490, Si_2, Si_5 474, L_2 [3781.
1456	97 36 41·7	73·00	3	19·86	W 494, Si_2. [Gl 3220.
1457	85 1 21·5	78·93	5	19·86	W 502, R 4051, Bn, L_2 974.
1458	86 1 45·2	74·50	6	19·86	W 503, L_2 976.
1459	107 33 48·9	75·33	4	19·86	[Y 5274, Gl 3224.
1460	75 30 22·6	77·82	2	19·86	W 519, T 6714, R 4054, [3797, Gl 3225.
1461	90 10 1·2	72·56	4	19·85	W 522, Si_1, Sp 4554, L_1
1462	44 5 37·1	68·34	2	19·85	Oe 12830, RC 2891, see
1463	53 21 38·5	69·72	5	19·85	W 683, Y 5284. [*Notes*.
1464	103 24 46·8	74·09	4	19·83	W 547, Si_1 1181, L_6.
1465	58 56 2·1	60·01	4	19·83	W 708, Ar 2725.
1466	55 12 31·5	69·30	3	19·82	W 716.
1467	104 33 26·2	73·08	4	19·81	W 581, Si_4 1184, L_6.
1468	60 57 8·9	66·74	7	19·80	T 6749, R 4084.
1469	63 11 17·9	78·13	5	19·79	W 757, T 6754.
1470	63 38 7·8	74·34	3	19·79	R 4089.
1471	53 32 50·3	69·64	6	19·78	R 4096.
1472	107 5 33·5	72·33	4	19·78	Oe 12387.
1473	61 55 16·5	72·82	2	19·76	W 788, R 4103.
1474	94 7 38·0	76·66	6	19·76	W 642, Si_2, L_3 1444, Gl
1475	55 46 23·4	73·93	5	19·75	W 805. [3246.
1476	79 48 40·8	64·31	2	19·75	W 657, R 4116, Ar 2741.
1477	79 45 41·9	79·84	4	19·75	See *Notes*.
1478	73 43 29·0	70·50	6	19·74	W 821, Bn.
1479	56 44 56·0	69·30	3	19·73	W 826, Bn.
1480	70 17 35·3	70·91	5	19·73	W 830.
1481	59 47 6·9	71·00	3	19·72	W 833.
1482	64 28 25·3	68·53	5	19·71	W 854.
1483	84 8 38·1	75·84	4	19·70	W 714, L_2 1055, Gl 3259
1484	61 45 59·5	70·58	4	19·70	See *Notes*. [1194.
1485	105 12 0·9	76·92	5	+19·70	W 715, Oe 12458, Si_4

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
1486	23905	8·0	12h 43m 14s·19	81·35	2	+3s·136
1487	23919	7·7	12 43 16·82	67·30	2	2·890
1488	23935	6·5	12 44 6·88	80·34	4	2·961
1489	23954	8·2	12 45 1·83	70·48	6	3·031
1490	23967	8·0	12 45 27·55	73·17	6	3·068
1491	23970	8·3	12 45 34·			2·980
1492	23980	7·5	12 45 47·17	70·12	5	2·941
1493	23983	6·3	12 45 59·40	79·32	3	2·986
1494	23989	7·2	12 46 9·59	77·85	6	2·986
1495	23999	8·0	12 46 36·26	74·33	4	3·141
1496	24027	6·5	12 47 22·44	71·98	3	2·971
1497	24039	7·0	12 47 34·86	75·34	2	2·773
1498	24034	7·0	12 47 48·33	65·31	1	3·126
1499	24055	8·0	12 48 34·16	76·84	2	3·136
1500	24063	7·7	12 48 44·37	70·11	5	2·765
1501	24061	7·0	12 48 55·46	74·06	4	2·968
1502	24098	7·7	12 50 1·90	73·36	1	3·073
1503		7·4	12 50 56·			3·026
1504	24155	7·0	12 52 13·87	72·74	5	3·084
1505	24161	8·5	12 52 32·12	77·34	6	3·101
1506	24173	7·0	12 52 32·46	69·70	5	2·904
1507	24164	8·2	12 52 34·80	74·33	5	3·079
1508	24186	8·2	12 53 7·61	76·37	1	3·100
1509	24197	7·3	12 53 30·55	72·92	5	2·903
1510	24195	8·2	12 53 42·72	72·32	3	3·075
1511	24234	6·7	12 54 58·			2·970
1512	24243	7·0	12 55 27·90	72·73	5	2·945
1513	24247	7·8	12 55 29·27	69·13	6	2·815
1514	24253	7·5	12 56 20·80	79·34	2	3·166
1515	24265	6·8	12 56 25·73	72·72	5	2·922
1516	24275	5·5	12 57 4·67	80·00	3	3·191
1517	24294	8·0	12 57 26·99	75·36	4	3·087
1518	24299	8·0	12 57 44·70	69·52	5	3·002
1519	24306	8·0	12 58 14·24	74·08	4	3·072
1520	24320	7·0	12 59 7·58	81·35	2	3·180
1521		7·5	12 59 18·			2·592
1522	24333	7·4	12 59 21·79	73·31	5	2·988
1523	24340	7·6	12 59 39·70	69·12	5	2·895
1524	24373	7·7	13 1 13·78	74·33	5	3·059
1525	24407	6·8	13 2 0·71	73·75	5	2·902
1526	24399	6·0	13 2 1·52	78·34	5	3·123
1527	24414	6·8	13 2 30·92	70·66	3	3·035
1528	24468	6·0	13 3 52·74	67·84	2	2·783
1529	24471	7·5	13 4 26·37	65·28	1	3·182
1530	24489	7·0	13 4 35·20	72·31	2	+2·980

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1486	104° 23′ 50″·1	76·33	3	+19″·70	W 717, Si 1195, L_6.
1487	53 59 44·9	63·41	3	19·70	W 864, Y 5351.
1488	66 27 10·8	80·34	4	19·69	[3264.
1489	81 6 32·3	69·82	6	19·67	W 751, Si, Sp 4634, Gl
1490	89 14 0·9	73·17	6	19·66	W757, Si_1, Bn, Sp4637, L_1 [3881, Y 5366, Gl 3266.
1491	70 5 30·3	66·39	1	19·66	W 909, Ar 2761.
1492	63 38 42·2	70·12	5	19·66	W 917, PM 1468.
1493	72 14 44·9	77·83	2	19·65	W 919, T 6821, Ar 2765,
1494	72 12 37·2	77·46	8	19·65	See *Notes*. [N 7yr 1524.
1495	104 17 14·4	74·33	4	19·64	W 774, T 6827, Si_4 1200, [L_6.
1496	69 50 1·9	76·33	3	19·63	W 943.
1497	42 39 50·1	75·34	2	19·62	Oe 13086, RC 2923. [L_6 1229.
1498	100 58 11·7	65·31	1	19·62	W 793, Si_2, Si_3 1487, Sp 4648,
1499	102 46 28·4	73·65	3	19·61	W 806, Si_3 1488, L_6 1232.
1500	42 32 38·2	69·06	4	19·60	Oe 13105.
1501	69 42 17·9	72·51	5	19·60	W 968, R 4180.
1502	90 16 26·4	64·66	3	19·58	W835, Si_1, $Si_4$98, $L_1$3909.
1503	81 1 47·8	66·06	4	19·56	W 852, Si_1, Sp 4670.
1504	92 13 39·2	72·74	5	19·54	W870, Si_2, Si_5 503, Sp 4678, Gl
1505	95 24 55·7	79·92	5	19·53	W875, Sp4681, L_3 1470. [3287.
1506	61 0 16·3	69·70	5	19·53	
1507	91 24 15·1	74·33	5	19·53	W 878, Y 5409.
1508	78 39 29·8	76·37	1	19·52	W 888.
1509	61 15 33·0	72·92	5	19·51	W 1043.
1510	90 30 42·4	68·83	4	19·51	W 902, L_1 3936, Gl 3293.
1511	72 12 7·0	65·32	5	19·48	W 1074, Ar 2789, N 7yr
1512	68 3 25·2	72·73	5	19·48	W 1086. [1539, Gl 3303.
1513	51 16 41·1	69·13	6	19·47	
1514	106 12 31·1	79·34	2	19·45	Bn.
1515	65 49 45·1	72·72	5	19·45	PM 1491.
1516	109 54 42·2	80·00	3	19·44	Oe 12613, Bn.
1517	92 32 43·2	75·36	4	19·43	See *Notes*.
1518	78 5 49·9	68·65	6	19·42	W 974, T 6909, Sp 4714,
1519	90 3 23·6	74·08	4	19·41	L_1 3963. [Gl 3311.
1520	107 35 21·2	76·67	3	19·39	Oe 12635.
1521	35 28 21·2	65·90	5	19·39	Ar 2798, Oe 13276.
1522	76 6 13·7	73·31	5	19·39	W1004, Sp4725, Gl 3315.
1523	62 44 38·8	68·13	5	19·38	W 1154.
1524	87 51 22·5	74·33	5	19·34	L_1 3980.
1525	64 30 6·0	73·75	5	19·32	W 1194. [1211.
1526	98 18 51·9	78·34	5	19·32	W 1050, Si_2, T_2, 7yr 1036, 9yr
1527	84 6 6·5	73·30	1	19·31	W 1063, Si_1, Bn. See *Notes*.
1528	51 54 36·4	70·36	1	19·28	W 33, R 4226, RC 2968,
1529	106 25 24·0	67·32	1	19·27	Bn. [Y 5473, 9yr 1215.
1530	76 1 42·2	69·82	2	+19·26	W 32, Gl 3329.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
1531	24505	7·0	13h 4m 47s·36	70·04	4	+2s·922
1532	24499	6·8	13 4 56·23	74·33	4	2·811
1533	24508	7·1	13 5 28·59	76·35	4	2·916
1534	24512	8·5	13 5 51·26	72·01	3	2·992
1535	24515	7·3	13 6 4·72	80·14	5	2·957
1536	24519	8·0	13 6 19·23	74·34	4	3·082
1537	24542	8·0	13 6 48·68	72·32	4	3·084
1538	24577	7·3	13 7 53·65	72·31	6	2·879
1539	24586	6·4	13 8 17·16	76·35	4	2·989
1540	24594	8·5	13 8 41·62	74·35	1	2·844
1541	24605	7·0	13 9 4·31	77·33	5	2·931
1542	24611	7·0	13 9 30·63	69·82	4	3·012
1543	24621	7·2	13 10 0·66	74·34	2	3·077
1544	24648	7·2	13 10 31·55	76·59	4	2·928
1545	24665	8·2	13 11 2·50	70·90	5	2·840
1546	24661	7·5	13 11 12·14	74·37	1	3·129
1547	24673	7·7	13 11 26·30	75·86	2	2·939
1548	24672	7·8	13 11 28·			2·967
1549	24711	8·1	13 12 40·26	71·74	5	2·860
1550	24721	7·8	13 12 49·69	74·31	2	2·715
1551	24724	7·5	13 13 8·47	72·00	3	2·838
1552	24726	8·0	13 13 24·26	76·37	1	2·995
1553	24752	7·3	13 14 9·79	77·65	5	2·930
1554	24760	7·2	13 14 25·42	75·37	1	2·729
1555	24778	6·8	13 15 30·57	74·95	5	2·729
1556	24775	8·0	13 15 40·50	76·37	1	3·046
1557	24794	7·5	13 16 0·63	69·72	2	2·854
1558	24803	6·7	13 16 24·16	71·85	4	2·810
1559	24808	7·7	13 16 39·88	77·70	2	2·851
1560	24824	7·6	13 17 20·25	73·30	1	2·929
1561	24842	7·0	13 17 43·			2·584
1562	24844	6·5	13 18 19·72	75·84	4	2·968
1563	24869	6·5	13 19 33·32	71·51	5	2·940
1564	24872	7·0	13 19 47·37	70·36	1	3·077
1565	24880	8·0	13 20 8·62	76·15	5	3·021
1566	24892	7·5	13 20 19·14	72·32	4	2·793
1567	24883	7·0	13 20 28·			3·214
1568	24917	7·7	13 21 55·18	75·57	5	3·048
1569	24918	7·7	13 21 56·32	80·32	1	2·989
1570	24941	6·8	13 22 31·79	69·81	4	2·780
1571	24942	8·2	13 22 54·18	72·94	5	3·035
1572	24969	6·3	13 22 58·			2·435
1573	24963	7·1	13 23 24·97	74·59	4	3·057
1574	24972	6·7	13 23 44·07	71·57	4	3·006
1575	24971	7·8	13 23 48·95	81·35	1	+3·082

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1531	68° 6′ 54″·1	66·80	6	+19″·26	W 46.
1532	55 1 58·0	74·33	4	19·26	W 51.
1533	67 24 56·0	76·35	4	19·24	W 58.
1534	78 6 54·8	70·93	5	19·23	W 61.
1535	73 12 23·6	80·14	5	19·23	W 71.
1536	91 36 5·0	74·34	4	19·22	L_1 4006.
1537	91 53 27·7	72·32	4	19·21	PM 1508, L_1 4012.
1538	63 38 15·6	71·46	7	19·18	W 120.
1539	78 0 15·6	76·35	4	19·17	W 104, Gl 3343.
1540	59 56 6·4	69·82	2	19·16	R 4236.
1541	70 25 10·1	77·33	5	19·15	W 137.
1542	81 23 9·6	67·83	6	19·14	W 127, Si_1, L_2 1186.
1543	90 43 43·7	71·33	3	19·12	W 115, R 4239, L_1 4027.
1544	70 26 12·8	76·59	4	19·11	W 175.
1545	60 17 44·6	68·90	5	19·10	W 185, Bn.
1546	98 4 20·4	74·37	1	19·10	W 160, Si_2, L_6.
1547	72 2 50·2	75·86	2	19·09	W 189, R 4250.
1548	75 34 39·2	66·73	5	19·09	W 165, T 6122, Ar 2845,
1549	62 58 33·5	72·01	6	19·05	[Gl 3348.
1550	49 26 34·0	71·64	3	19·05	W 226.
1551	60 46 41·3	68·14	5	19·04	
1552	79 38 50·9	70·83	2	19·03	
1553	71 34 28·7	77·65	5	19·01	W 248, T 6146.
1554	51 10 53·6	75·37	1	19·01	See *Notes*.
1555	51 29 14·5	74·95	5	18·98	W 274, R 4285, Ar 2857,
1556	86 35 12·6	76·37	1	18·97	[RC 2999, Y 5532. W 236, Gl 3361.
1557	63 20 49·3	68·98	6	18·96	W 285.
1558	59 3 9·6	71·85	4	18·95	W 295.
1559	63 13 49·5	73·90	3	18·94	W 296.
1560	72 3 2·6	69·83	2	18·92	W 309.
1561	42 20 43·5	66·30	2	18·91	Oe 13583.
1562	76 55 0·8	72·54	5	18·90	W 275, Sp 4798, Gl 3373.
1563	73 47 5·2	70·48	6	18·86	W 352. [L_1 4048, Gl 3378.
1564	90 32 30·8	63·66	3	18·85	W 295, R 4300, Si_1, Si_5 540,
1565	83 38 28·6	74·34	6	18·84	W 301, Sp 4809, L_2 1223,
1566	58 38 53·3	71·12	5	18·83	[Gl 3379. W 373.
1567	107 16 40·8	66·82	2	18·83	Bn.
1568	87 6 55·1	75·36	4	18·79	W 330, S_1, L_2 1228, Gl
1569	79 53 25·2	80·32	1	18·78	PM 1523. [3385.
1570	58 12 8·7	66·12	6	18·77	W 418.
1571	85 28 51·2	72·94	5	18·76	[Gl 3389. W 346, T_2, Bn, L_2 1233,
1572	36 36 19·6	60·31	2	18·76	R 4313, Oe 13654.
1573	88 15 15·7	74·59	4	18·74	Bn, L_1 4062. [3393.
1574	82 10 29·9	70·29	5	18·73	W 365, Si_1, Y 5570, Gl
1575	91 14 52·8	73·33	2	+18·73	W 367, Sp 4830, L_1 4064,
					[Gl 3394.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
1576	25018	7·2	13h 24m 54s·03	74·38	1	+ 2s·564
1577	25042	7·5	13 26 0·88	70·81	4	2·692
1578	25059	6·5	13 26 45·76	70·57	4	2·694
1579	25050	7·0	13 26 51·78	77·86	4	3·016
1580	25049	7·0	13 26 52·			3·131
1581	25057	6·0	13 26 52·78	73·74	5	2·843
1582	25064	7·3	13 27 2·14	72·32	2	2·770
1583	25078	8·0	13 27 9·67	74·34	2	2·603
1584	25131	7·0	13 29 20·86	71·01	3	2·975
1585	25176	6·0	13 31 6·14	69 10	4	2·828
1586	25177	7·0	13 31 23·16	74·15	5	3·045
1587	25190	6·9	13 32 1·05	72·63	7	2·933
1588	25203	8·0	13 32 31·48	76·03	4	2·974
1589	25210	8·0	13 32 32·79	71·32	3	2·796
1590	25213	6·5	13 33 15·63	81·35	1	3·222
1591	25224	5·7	13 33 24·83	71·66	3	2·965
1592	25232	7·2	13 33 35·96	76·37	1	2·798
1593	25259	6·0	13 34 33·96	72·12	4	2·742
1594	25253	7·5	13 35 5·47	66·38	1	3·251
1595	25290	7·6	13 35 21·04	74·34	1	2·335
1596	25321	7·1	13 35 34·42	69·55	5	2·333
1597	25288	6·5	13 36 2·60	73·57	4	2·986
1598	25293	8·2	13 36 32·63	73·92	7	3·077
1599	25304	7·1	13 36 40·67	76·55	5	2·830
1600	25355	6·5	13 38 15·14	69·36	3	2·494
1601	25363	6·9	13 39 3·34	74·11	4	2·964
1602	25380	7·3	13 39 50·44	75·37	5	3·015
1603	25395	7·2	13 40 0·61	71·49	6	2·673
1604	25394	8·1	13 40 5·80	78·86	2	2·773
1605	25405	7·9	13 40 33·			2·773
1606	25467	6·8	13 43 1·14	76·82	2	2·757
1607	25471	6·9	13 43 31·73	65·39	1	2·979
1608	25498	6·5	13 44 18·06	77·46	4	2·626
1609	25512	6·8	13 44 53·87	72·36	4	2·518
1610	25522	6·8	13 45 33·44	74·12	4	2·650
1611	25525	5·8	13 45 38·13	72·60	4	2·651
1612	25542	5·7	13 46 16·55	70·08	4	2·652
1613	25549	6·9	13 46 26·98	75·35	5	2·565
1614	25545	8 0	13 47 6·01	81·34	1	2·130
1615	25566	8·5	13 47 22·18	74·35	2	2·748
1616	25582	8·0	13 47 47·52	65·33	1	2·749
1617	25591	7·5	13 47 51·79	66·38	1	2·657
1618	25588	7·0	13 48 25·			3·151
1619	25625	7·0	13 49 13·76	69·11	4	2·599
1620	25641	7·2	13 50 21·28	80·52	2	+ 3·033

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1576	43° 37′ 5″·9	70·35	2	+18″·69	R 4328, Oe 13694.
1577	52 14 40·2	72·32	3	18·66	W 492.
1578	52 32 15·9	67·18	6	18·64	W 506, PM 1531.
1579	83 30 17·4	72·18	6	18·63	W 428, Ar 2891, Sp 4844,
1580	96 58 46·3	60·52	5	18·63	See *Notes*. [L_2 1250.
1581	65 0 12·3	73·74	5	18·63	
1582	58 36 31·8	70·32	3	18·63	W 512.
1583	46 37 32·5	72·01	3	18·62	RC 3040.
1584	79 9 11·9	68·74	5	18·55	W 481, Gl 3408.
1585	64 44 54·5	68·18	6	18·49	W 596. [Gl 3412.
1586	86 58 47·2	74·15	5	18·48	W 515, PM 1541, L_2 1267,
1587	75 3 38·4	72·06	7	18·46	W 534, R 4391.
1588	79 22 58·7	73·61	4	18·44	W 542, Gl 3416.
1589	62 4 34·6	69·31	5	18·44	Bn.
1590	105 48 40·1	81·35	1	18·42	[1093, Gl 3420.
1591	78 37 5·8	69·97	3	18·41	W 557, R 4403, T_2, 7yr
1592	62 40 43·1	76·37	1	18·40	W 653, R 4404.
1593	58 21 26·4	72·17	5	18·37	W 685.
1594	108 21 6·6	66·32	2	18·35	Oe 13061.
1595	36 15 21·4	65·83	4	18·34	Oe 13869.
1596	36 10 25·0	71·85	4	18·34	Oe 13875.
1597	80 58 36·9	73·54	5	18·32	W 600, R 4420, Gl 3428.
1598	90 34 38·9	73·92	7	18·30	W 611, R 4426, Si_1, Si_4
1599	66 2 53·7	73·48	7	18·30	R 4430. [559, Sp 4894.
1600	43 51 0·7	71·35	4	18·24	Oe 13917, RC 3079.
1601	79 2 43·2	74·11	4	18·21	W 655.
1602	84 15 22·6	75·37	5	18·18	See *Notes*.
1603	54 43 29·4	69·50	6	18·18	W 821.
1604	62 8 48·7	73·45	4	18·17	W 822, R 4455.
1605	62 10 49·3	66·31	2	18·16	W 829, R 4458.
1606	61 29 42·4	73·32	3	18·06	W 890.
1607	80 58 8·7	66·31	1	18·04	W 732, Si_1, Gl 3450.
1608	52 44 47·8	74·95	5	18·01	W 929.
1609	46 49 18·2	72·36	4	17·98	W 942, RC 3101.
1610	54 36 27·1	74·12	4	17·97	W 953, R 4491, Ar 2953, [T_2, Y 5721.
1611	54 42 50·7	72·55	5	17·97	W 957, Ar 2954, T_2, RC_2 1333,
1612	54 56 8·3	66·83	6	17·94	T_2, Y 5726. [9yr 1268.
1613	49 42 39·9	73·68	6	17·93	W 988.
1614	95 34 9·9	71·66	3	17·90	W 777, Si_3, Sp 4956, L_3
1615	61 44 16·7	71·67	3	17·89	W 1005. [1571.
1616	61 53 17·1	60·33	1	17·88	
1617	55 35 49·4	65·31	1	17·87	W 1024. [Si_2, 9yr 1273.
1618	97 26 33·9	67·34	2	17·85	W 804, T 6473, Ar 2963,
1619	52 18 54·0	67·95	4	17·82	W 1070, Y 5752. [3476.
1620	86 24 2·8	80·52	2	+17·77	W 850, Si_1, L_2 1331, Gl

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
1621	25646	7·0	13h 50m 24s·55	69·95	5	+2s·725
1622	25645	6·8	13 50 25·36	75·37	5	2·763
1623	25694	7·7	13 52 24·83	73·35	3	2·662
1624	25695	8·0	13 52 48·			2·901
1625	25693	8·0	13 52 55·			3·125
1626	25713	7·3	13 53 20·84	77·04	3	2·757
1627	25733	7·0	13 53 48·38	68·09	4	2·385
1628	25723	7·5	13 54 0·41	74·35	5	3·035
1629	25764	6·5	13 55 6·42	74·86	2	2·539
1630	25746	6·0	13 55 9·44	72·13	5	2·964
1631	25816	7·0	13 57 24·43	70·02	3	2·978
1632	25837	7·0	13 57 50·58	77·03	3	2·916
1633	25836	7·0	13 57 50·86	72·62	4	2·934
1634	25849	6·7	13 58 17·35	78·12	4	3·038
1635	25874	6·8	13 59 3·18	65·94	5	2·742
1636	25862	4·0	13 59 15·			3·398
1637	25880	7·0	13 59 56·25	65·39	1	3·234
1638	25896	6·5	14 0 24·93	74·04	3	2·797
1639	25898	7·0	14 0 37·97	74·76	5	2·847
1640	25911	7·0	14 1 26·49	71·16	5	3·066
1641	25930	8·0	14 1 55·30	78·85	2	2·859
1642	25943	6·2	14 2 31·71	78·01	3	2·756
1643	25981	6·7	14 3 11·98	71·36	2	2·290
1644	25957	7·5	14 3 29·47	71·61	4	3·073
1645	26002	8·1	14 4 3·32	74·38	1	2·399
1646	26000	7·2	14 4 14·58	77·39	3	2·643
1647	26041	7·0	14 4 52·			2·463
1648	26017	6·6	14 5 10·62	69·65	5	3·049
1649	26034	7·7	14 5 30·13	70·50	5	2·629
1650	26040	7·0	14 6 24·35	77·74	5	3·237
1651	26056	6·2	14 7 14·12	75·90	4	3·075
1652	26089	8·0	14 8 5·65	75·13	4	2·812
1653	26093	6·7	14 8 35·13	70·09	4	3·023
1654		7·5	14 8 59·			2·147
1655	26094	7·5	14 9 0·64	73·34	1	3·270
1656	26102	7·0	14 9 6·24	74·37	3	3·161
1657	26122	6·5	14 9 18·15	73·40	4	2·750
1658	26143	7·0	14 10 44·34	71·85	5	2·799
1659	26165	6·3	14 11 18·86	77·88	4	2·456
1660	26156	6·2	14 11 30·08	69·34	2	2·866
1661	26150	6·5	14 11 43·61	79·36	1	3·310
1662	26181	7·0	14 12 30·00	75·05	3	2·930
1663	26186	7·2	14 12 34·46	73·67	7	2·778
1664	26200	6·3	14 13 18·24	72·56	6	3·059
1665	26226	8·0	14 14 11·44	76·37	1	+2·953

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1621	60° 42′ 55″·1	70·00	6	+17″·77	W 1083, Y 5758.
1622	63 28 6·2	75·37	5	17·77	W 1079, R 4522, Y 5759.
1623	56 47 22·0	73·35	3	17·69	W 1139. [2975, N 7yr 1620.
1624	74 49 37·4	67·00	3	17·67	W 1141, T 6511, R 4533, Ar
1625	94 48 28·8	64·33	2	17·67	W 886, Si, Sp 4996, L_3 1590, [Gl 3483.
1626	63 34 32·9	77·04	3	17·65	W 1152, PM 1570, Y 5779.
1627	42 47 44·1	71·40	4	17·63	R 4541, Oe 14138.
1628	86 43 3·7	74·35	5	17·62	W 906.
1629	50 21 50·3	71·68	3	17·58	W 1193.
1630	80 29 57·7	70·17	6	17·58	W 932, Gl 3490.
1631	81 51 6·1	74·86	2	17·48	W 982, RC 1348, Gl 3495.
1632	76 40 18·9	77·03	3	17·46	W 996, Gl 3496.
1633	78 6 55·7	72·57	5	17·46	W 995.
1634	87 6 7·9	78·12	4	17·44	W 1004.
1635	63 34 42·8	65·94	5	17·41	W 1284, R 4587.
1636	116 4 44·6	66·11	4	17·40	See *Notes*.
1637	103 36 20·5	60·35	1	17·37	W 1035, Si_4 1292, Y 5827.
1638	67 14 4·8	70·54	5	17·35	W 1303.
1639	71 29 25·4	74·76	5	17·34	W 1310, R 4595.
1640	89 27 36·8	70·67	7	17·30	R 4601, Si_1, Gl 3507.
1641	72 32 16·6	78·85	2	17·28	W 1342, R 4606.
1642	65 5 26·1	70·34	6	17·26	W 11, N 7yr 1632, Y 5844.
1643	41 11 40·4	67·70	3	17·23	Oe 14307.
1644	90 3 31·5	75·37	3	17·21	W 25, Sp 5049, L_1 4294, Gl 3514.
1645	45 39 50·2	71·36	2	17·19	W 50, RC 3144.
1646	58 9 16·7	75·13	4	17·18	W 49.
1647	48 37 48·4	65·85	2	17·15	W 72. [L_1 4305, Gl 3520.
1648	88 2 57·4	71·05	6	17·14	W 51, R 4629, Si_1, 7yr 1133,
1649	57 32 11·1	71·90	6	17·12	W 83.
1650	103 16 19·3	74·84	6	17·08	W 73, Si_4, 1297.
1651	90 15 16·2	75·90	4	17·04	See *Notes*
1652	69 50 3·0	75·13	4	17·00	R 4643.
1653	86 4 44·7	67·63	7	16·98	W 114.
1654	37 37 38·0	65·93	5	16·96	See *Notes*.
1655	105 29 58·0	73·34	1	16·96	Oe 13501, Y 5863.
1656	97 4 54·4	72·61	4	16·96	W 123, Si_2, Sp 5075.
1657	65 43 47·5	73·40	4	16·95	W 173.
1658	69 17 38 7	74·86	4	16·88	W 196, PM 1603.
1659	49 40 30·3	77·88	4	16·85	W 225, T_2, RC 3175. Gl 3543
1660	74 9 27·5	70·34	3	16·84	W 220, T_2.
1661	108 8 10·0	69·85	2	16·83	T_2, Bn, 9yr 1306.
1662	78 54 46·4	75·05	3	16·79	
1663	68 7 6·1	74·00	6	16·79	W 242, R 4654.
1664	89 2 24·9	73·97	5	16·76	W 213, R 4667, Sp 5094, L 4342.
1665	80 50 36·9	76·37	1	+16·71	W 228, Si_1, Gl 3554.

No	Lalande.	Mag.	Mean R.A 1875·0.			Epoch.	Obs.	Ann. Prec.
1666	26243	6·0	14h	14m	39s·61	65·85	4	+2s·464
1667	26252	7·0	14	15	7·89	77·64	4	2·699
1668	26242	7·0	14	15	25·69	73·14	4	3·170
1669	26272	7·0	14	15	37·49	72·58	5	2·511
1670	26247	6·0	14	15	53·			3·456
1671	26273	7·0	14	16	22·22	71·05	6	3·073
1672	26275	7·8	14	16	23·26	76·88	4	3·035
1673	26311	6·1	14	17	30·30	74·68	3	2·706
1674	26369	7·2	14	18	17·			2·482
1675	26335	8·0	14	18	18·58	73·07	3	2·671
1676	26347	7·3	14	18	26·42	60·37	1	2·437
1677	26356	7·0	14	19	34·21	71·50	6	3·051
1678	26391	7·5	14	20	19·84	73·24	7	2·683
1679	26381	7·5	14	20	28·78	76·12	4	2·985
1680	26365	7·8	14	20	48·19	76·39	2	2·984
1681	26375	5·5	14	20	51·			3·498
1682	26422	6·0	14	22	6·22	72·98	5	3·158
1683	26445	8·0	14	22	26·30	74·88	2	2·673
1684	26469	7·0	14	23	3·10	80·37	2	2·642
1685	26474	6·5	14	23	5·78	75·91	4	2·488
1686	26468	7·0	14	23	12·27	74·87	4	2·768
1687	26453	7·5	14	23	23·55	60·36	1	3·277
1688	26464	6·1	14	23	28·25	69·18	5	3·053
1689	26483	7·5	14	23	59·41	80·31	1	2·835
1690	26492	6·3	14	24	30·09	71·30	6	2·998
1691	26525	6·8	14	25	42·67	80·38	1	2·811
1692	26582	6·8	14	26	32·72	70·87	2	2·304
1693	26543	7·0	14	27	9·09	60·38	1	3·306
1694	26592	6·8	14	28	13·			2·453
1695	26594	7·9	14	28	49·45	71·20	6	2·923
1696	26607	6·8	14	28	52·42	80·16	4	2·545
1697	26616	8·0	14	28	57·67	75·91	4	2·406
1698	26586	6·0	14	29	2·45	66·33	3	3·392
1699	26624	7·5	14	29	46·29	77·59	5	2·905
1700	26645	6·3	14	30	27·94	72·07	3	2·712
1701	26670	7·5	14	31	17·67	73·89	4	2·690
1702	26665	6·0	14	31	49·			3·401
1703	26673	7·0	14	31	58·98	76·42	1	3·116
1704	26695	6·5	14	32	1·21	75·41	4	2·464
1705		9·1	14	33	25·32	75·38	1	2·955
1706	26731	6·0	14	33	30·73	70·77	5	2·266
1707	26721	8·3	14	33	53·98	76·71	6	2·957
1708	26747	6·0	14	34	41·34	71·50	6	2·726
1709	26769	7·7	14	35	6·49	76·41	2	2·568
1710	26736	7·0	14	35	13·56	60·38	1	+3·426

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1666	50° 37′ 50″·6	68·84	4	+16″·69	W 292, RC 3187, N 7 yr 1655.
1667	63 21 2·6	75·71	6	16·67	W 297.
1668	97 31 5·9	77·39	4	16·66	W 248, Si_2, L_3, 1668.
1669	53 2 3·8	72·58	5	16·65	W 314.
1670	117 10 41·4	61·73	5	16·63	See *Notes*.
1671	90 3 56·6	73·38	5	16·61	W 271, Si_1, Gl 3560.
1672	87 9 18·3	76·88	4	16·61	W 273, Si_1, L_1 4356, Gl 3561.
1673	64 5 42·3	72·86	6	16·55	W 359.
1674	52 13 38·1	68·36	2	16·51	T_2, RC 3196, Y 5952, Gl 3568.
1675	62 9 35·9	73·07	3	16·51	W 374.
1676	50 5 50·6	60·37	1	16·51	W 383.
1677	88 26 26·8	73·78	5	16·45	R 4697, L_1 4376, Y 5960.
1678	63 10 7·8	73·13	8	16·41	W 414.
1679	83 29 53·2	76·12	4	16·41	W 349, L_2 1440, Gl 3573.
1680	83 28 21·4	76·39	2	16·40	W 361, Sp 5129, L_2 1442.
1681	118 55 40·9	62·30	9	16·38	See *Notes*.
1682	96 20 18·0	72·98	5	16·32	See *Notes*.
1683	62 59 53·3	71·69	3	16·30	W 460.
1684	61 8 57·2	80·37	2	16·27	W 472.
1685	53 14 35·6	75·91	4	16·27	W 478, R 4719.
1686	68 40 27·6	74·87	4	16·27	W 474.
1687	104 41 32·6	60·36	2	16·26	W 402, Si_4 1318.
1688	88 36 47·0	72·12	4	16·25	See *Notes*.
1689	73 13 59·6	80·31	1	16·23	W 487.
1690	84 40 15·2	73·60	5	16·20	W 427, R 4724, Si_1, Sp [5152, L_2 1459, Gl 3592.
1691	71 48 5·1	80·38	1	16·14	W 522.
1692	46 3 49·8	69·71	3	16·09	W 550.
1693	106 16 3·4	65·31	1	16·06	Oe 13727.
1694	52 29 13·9	68·36	2	16·00	W 580, T_2, RC 3219, Y
1695	79 33 55·0	72·60	5	15·97	W 504. [6009.
1696	56 54 58·6	80·16	4	15·97	W 595, R 4749, T_2, Gl 3607.
1697	50 30 41·5	75·91	4	15·97	W 599.
1698	111 37 46·5	66·33	3	15·96	Oe 13745.
1699	78 23 2·4	77·59	5	15·92	W 527, Gl 3612.
1700	66 12 16·1	72·07	3	15·89	R 4763.
1701	64 59 32·8	73·89	4	15·84	W 633.
1702	111 47 11·6	65·82	2	15·81	Oe 13780. [4444.
1703	93 4 5·4	72·39	2	15·80	W 564, Si_2, Sp 5192, L_1
1704	53 31 36·6	75·41	4	15·80	W 656, R 4770.
1705	82 3 8·5	75·38	1	15·73	W 592, L_2 1502.
1706	45 49 4·4	70·77	5	15·72	See *Notes*.
1707	82 7 11·3	76·71	6	15·70	W 598, L_2 1505, Gl 3622.
1708	67 29 15·7	73·00	5	15·67	W 703, R 4779.
1709	58 56 24·6	73·72	3	15·63	W 718.
1710	112 53 23·9	60·35	1	+15·63	Oe 13848.

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
1711	26781	9·0	14h	35m	47s·76	73·39	1	+2s·781
1712		6·0	14	36	0·			3·455
1713	26794	7·5	14	36	3·87	71·69	3	2·781
1714	26812	8·0	14	36	46·80	77·39	3	2·944
1715	26851	6·8	14	37	35·96	74·21	5	2·426
1716	26826	7·5	14	37	36·39	70·77	5	3·188
1717	26869	6·0	14	38	45·87	76·40	4	3·086
1718	26914	7·2	14	39	53·79	68·88	4	2·864
1719	26923	6·6	14	39	59·91	65·39	1	2·507
1720	26926	7·2	14	40	43·77	75·40	5	3·049
1721	26929	6·5	14	41	5·75	69·88	2	3·261
1722	26957	8·5	14	42	3·91	74·00	5	3·172
1723	26975	6·7	14	42	28·86	76·42	1	3·077
1724		6·5	14	42	57·			3·525
1725	27004	7·0	14	43	22·75	71·63	4	2·909
1726	26995	6·0	14	43	46·			3·315
1727	27055	5·8	14	44	40·48	69·31	1	2·673
1728	27103	7·9	14	46	33·61	76·81	5	2·778
1729	27120	6·8	14	46	55·57	69·55	6	2 670
1730	27114	7·2	14	47	3·71	73·20	5	2·823
1731	27134	7·8	14	47	25·99	74·60	4	2·618
1732	27161	7·5	14	48	57·67	69·99	5	2·817
1733	27177	7·5	14	50	13·			3·493
1734	27242	6·3	14	50	48·06	70·72	3	2·488
1735	27233	6·0	14	51	8·			3·067
1736	27297	6·2	14	53	8·72	69·89	2	2·991
1737	27324	7·0	14	53	13·23	75·21	5	2·156
1738	27304	6·8	14	53	17·30	77·41	2	2·651
1739	27325	7·2	14	54	4·92	71·58	5	2·820
1740	27343	8·3	14	54	29·13	79·13	4	2·589
1741	27358	6·5	14	54	38·29	69·17	5	2·294
1742	27342	7·1	14	55	5·			3·111
1743	27374	7·3	14	55	16·54	74·67	4	2·491
1744	27363	7·2	14	56	5·09	60·36	1	3·360
1745	27406	7·0	14	56	45·34	78·00	5	2·795
1746	27403	8·0	14	57	0·80	72·10	5	3·049
1747	27435	7·1	14	57	23·03	73·89	2	2·446
1748	27445	7·0	14	57	46·48	68·98	5	2·558
1749	27470	7·5	14	58	48·98	72·71	3	2·724
1750	27509	7·0	14	59	55·50	70·02	5	2·303
1751	27496	7·2	15	0	6·28	75·05	3	2·972
1752	27507	7·1	15	0	48·13	73·89	4	3·025
1753	27532	8·0	15	1	11·56	68·79	5	2·890
1754	27575	6·1	15	1	41·09	75·42	4	2·356
1755	27572	4·8	15	1	48·75	79·72	3	+2·620

No.	Mean N.P.D. 1875·0	Epoch.	Obs.	Ann. Prec.	Authorities.
1711	70° 58′ 49″·6	73·39	1	+15″·60	W 736.
1712	114 27 49·6	61·00	5	15·59	See *Notes*.
1713	70 58 3·8	77·37	2	15·58	W 742.
1714	81 23 26·5	77·39	3	15·54	PM 1647.
1715	52 42 36·9	73·60	5	15·50	W 788, R 4803, T_2, Y 6065.
1716	97 43 24·5	70·77	5	15·50	W 664, Si_2, L_3 1759.
1717	90 53 17·0	76·40	4	15·43	W 695, Si_5 638, L_1 4479, Gl
1718	76 22 7·2	66·78	5	15·37	W 722, Gl 3647. [3642.
1719	56 40 49·7	60·36	1	15·36	W 839, Y 6080.
1720	88 30 10·4	75·40	5	15·32	PM 1657, R 4814. L_1 [4493.
1721	102 18 42·1	69·86	2	15·30	L_5 1651. [6091.
1722	96 35 3·7	74·00	5	15·25	W 759, Si_2, L_3 1782, Y
1723	90 19 36·1	71·90	2	15·22	W 772, N7yr 1682, Si_5 645, L_1
1724	117 26 15·9	63·70	5	15·20	See *Notes*. [4502.
1725	79 25 57·5	72·87	4	15·17	W 790, Sp 5259, Gl 3658.
1726	105 28 31·3	66·89	2	15·15	See *Notes*.
1727	65 34 14·0	69·31	1	15·10	W 945, see *Notes*.
1728	71 42 17·4	76·81	5	14·99	W 983.
1729	65 41 8·8	69·71	6	14·97	R 4842.
1730	74 21 14·4	73·20	5	14·96	W 992, R 4844.
1731	63 1 19·5	75·88	4	14·94	W 1004.
1732	74 9 57·6	74·14	4	14·85	W 1029, R 4856.
1733	114 56 11·6	66·38	3	14·77	See *Notes*.
1734	57 11 36·5	75·90	2	14·74	W 1079. [1204 B 314.
1735	89 39 46·5	67·18	5	14·72	W 945, T6978, Ar3141, Si_1, 12yr [3699.
1736	84 55 57·0	69·89	2	14·60	W 983, Si_1, L_1 1596, Gl
1737	45 1 54·6	75·21	5	14·59	W 1148, Oe 14991, RC
1738	65 19 50·5	77·41	2	14·59	W 1140, R 4885. [3294.
1739	74 40 4·7	71·58	5	14·54	W 1155, R 4893.
1740	62 20 36·2	79·13	4	14·52	W 1172.
1741	49 51 27·2	71·37	4	14·51	W 1182, T_2.
1742	92 39 54·4	62·39	4	14·48	PM 1677, Ar 3150.
1743	57 53 29·5	70·15	8	14·47	W 1194, Ar 3155.
1744	107 8 12·6	66·33	1	14·42	Oe 14192, 7 yr 1191, St_1
1745	73 27 20·3	78·00	5	14·38	W 1211. [596.
1746	88 37 4·8	75·15	4	14·36	W 1054, Si_1, L_1 4583.
1747	56 13 59·8	71·72	3	14·34	W 1233.
1748	61 14 30·3	68·96	5	14·32	R 4919.
1749	69 40 14·2	71·38	4	14·25	W 1260.
1750	50 54 31·6	72·41	4	14·18	W 1285. [Gl 3720.
1751	83 57 52·5	79·86	2	14·17	W 1112, R 4934, L_2 1629,
1752	87 9 12·7	73·89	4	14·13	W 1123, R 4938, Si_1, Sp 5370.
1753	79 13 17·7	68·59	5	14·11	W 1135, Ar 3169, Gl 3723.
1754	53 3 44·3	75·42	4	14·08	W 1326.
1755	64 38 36·6	79·40	2	+14·07	See *Notes*.

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
1756	27564	8·0	15^h	2^m	2^s·71	75·60	5	+2^s·999
1757	27563	6·5	15	2	33·94	60·36	1	3·486
1758	27599	6·8	15	3	12·14	67·17	5	2·999
1759	27628	7·0	15	3	15·98	75·02	5	2·421
1760	27644	7·8	15	3	53·47	80·31	1	2·431
1761		6·8	15	4	21·51	70·18	5	1·902
1762	27652	6·5	15	4	33·22	76·91	4	2·865
1763	27665	8·0	15	5	12·65	70·12	4	3·015
1764	27704	7·3	15	5	38·36	79·01	5	2·520
1765	27705	7·2	15	5	55·04	72·05	5	2·709
1766	27718	5·9	15	6	23·00	72·59	5	2·729
1767	27725	6·8	15	6	31·11	80·32	1	2·664
1768	27744	7·0	15	7	35·62	66·99	5	3·087
1769	27777	8·0	15	7	41·09	78·90	2	2·351
1770	27763	6·5	15	8	15·37	74·62	5	3·158
1771	27822	7·0	15	8	40·78	72·07	5	1·942
1772	27781	6·0	15	9	8·			3·467
1773	27813	7·1	15	9	33·54	71·19	5	2·888
1774	27817	7·1	15	9	44·04	80·32	1	2·952
1775	27846	6·8	15	10	17·64	70·40	3	2·589
1776	27904	6·8	15	11	35·11	75·41	4	2·310
1777	27884	6·2	15	12	1·56	80·40	2	3·072
1778	27910	7·9	15	12	9·10	76·42	3	2·555
1779		8·7	15	12	9·			1·828
1780	27942	7·0	15	12	51·04	73·60	5	2·466
1781	27943	6·5	15	12	59·48	69·19	5	2·557
1782	27950	6·5	15	14	1·30	68·21	6	3·154
1783	27957	6·5	15	14	20·14	79·63	4	3·107
1784	27976	7·6	15	14	22·28	74·82	5	2·772
1785	27990	6·8	15	14	27·50	76·77	3	2·422
1786	28028	7·3	15	15	46·19	71·40	5	2·444
1787	28035	7·0	15	16	8·93	67·40	4	2·606
1788	28027	7·7	15	16	8·99	76·65	4	2·764
1789	28012	7·0	15	16	29·21	60·36	1	3·364
1790	28056	7·7	15	16	50·22	77·17	4	2·586
1791	28036	6·0	15	17	1·			3·286
1792	28064	7·3	15	17	2·98	75·39	2	2·576
1793	28083	7·5	15	17	30·48	71·17	5	2·521
1794	28118	7·5	15	19	18·63	71·60	5	3·086
1795	28148	7·5	15	19	37·94	81·39	1	2·248
1796	28117	7·0	15	19	39·56	67·02	3	3·436
1797	28139	7·3	15	19	49·64	76·83	5	2·589
1798	28164	5·9	15	19	52·27	69·77	5	2·023
1799	28152	6·8	15	20	15·95	74·21	5	2·701
1800	28153	7·0	15	20	29·69	80·40	2	+2·883

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1756	85° 35′ 17″·0	75·60	5	+14″·05	W 1152, Si_1, Sp 5380, L_2
1757	113 30 23·7	65·71	6	14·02	See *Notes*. [1642, Gl 3727.
1758	85 39 16·1	70·21	5	13·98	W 19, Si_1, L_2 1645, Gl
1759	55 48 51·6	75·02	5	13·98	[3735.
1760	56 15 25·5	80·57	1	13·94	Bn
1761	39 27 58·8	70·18	5	13·91	Oe 15137, RC 3330.
1762	77 51 6·0	76·91	4	13·90	W 44, R 4963, Sp 5399, Gl 3740.
1763	86 41 50·9	71·66	4	13·85	W 56, T 7085, L_2 1654.
1764	60 17 45·2	79·01	5	13·83	R 4971, T_2, Y 6251, Gl
1765	69 28 58·4	73·91	4	13·81	W 95. [3745.
					[1713.
1766	70 33 7·7	72·59	5	13·78	W 106, R 4976, N 7 yr
1767	67 12 49·4	80·32	1	13·77	W 113, T 7101.
1768	90 51 51·2	68·38	5	13·71	See *Notes*.
1769	53 33 29·2	78·90	2	23·70	W 150, R 4990.
1770	95 2 11·0	74·62	5	13·66	W 113, Si_2, L_3 1895, Gl 3754.
					[6yr 958, 7 yr 1212.
1771	40 57 6·6	74·91	4	13·63	Oe 15196, 12 yr 1229,
1772	111 56 8·7	64·40	5	13·60	See *Notes*.
1773	79 24 29·5	71·19	5	13·58	W 142, Gl 3758.
1774	83 4 14·1	80·32	1	13·56	W 147, Si_1, L_2 1675, Gl
1775	63 53 38·1	70·40	3	13·53	W 197, R 5008. [3760.
1776	52 28 13·6	75·08	3	13·45	*See Notes*.
1777	90 0 11·3	80·40	2	13·42	L_1 4681.
1778	62 31 27·4	76·43	2	13·41	W 243.
1779	38 36 16·3	62·64	4	13·41	Ar 3197, Bn.
1780	58 42 23·6	73·60	5	13·36	W 261.
1781	62 42 16·8	69·20	5	13·35	W 263, PM 1709.
1782	94 39 55·9	70·87	4	13·29	W 242, Si_2, Sp 5435, L_3 1925,
1783	91 57 17·1	73·63	4	13·27	L_1 4702, *Note*. [Gl 3774.
1784	73 21 36·0	73·92	6	13·26	W 286.
1785	57 1 50·0	76·77	3	13·26	W 295.
1786	58 4 25·0	70·05	6	13·17	W 326.
1787	65 12 23·8	68·07	3	13·15	W 333, R 5045.
1788	73 2 55·0	74·81	5	13·15	W 329.
1789	106 6 55·1	60·34	1	13·13	Bn
1790	64 18 26·5	77·17	4	13·10	W 352.
1791	101 55 16·6	66·14	4	13·09	Ar 3208, N 7 yr 1733.
1792	63 55 39·2	75·39	2	13·09	W 359, R 5056.
1793	61 29 44·9	71·17	5	13·06	W 362.
1794	90 48 44·2	73·16	4	12·94	W 334, Si_5 702, L_2 4735
1795	51 21 58·0	81·39	1	12·92	R 5072, 12 yr 1248, Y
					[6348.
1796	109 33 55·3	72·88	2	12·91	Oe 14559.
1797	64 44 18·2	76·83	5	12·90	W 404.
1798	44 17 10·5	69·77	5	12·89	W 420, Oe 15347.
1799	70 4 44·4	74·21	5	12·87	W 418, Ar 3218.
1800	79 31 26·9	80·40	2	+12·86	W 357, Sp 5474, Gl 3798.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
1801	28157	8·0	15h 20m 55s·18	72·42	4	+3s·225
1802	28211	6·0	15 22 16·35	70·27	7	2·578
1803	28265	6·5	15 23 8·52	70·62	4	1·623
1804	28235	6·8	15 23 14·87	78·03	5	2·824
1805	28212	6·8	15 23 22·88	60·35	2	3·456
1806	28244	7·3	15 23 27·12	76·42	4	2·531
1807	28271	6·9	15 24 28·73	70·01	5	2·603
1808	28270	6·7	15 24 51·50	80·85	2	2·907
1809	28283	7·8	15 25 21·47	72·09	6	3·048
1810	28318	6·5	15 25 43·57	71·15	6	2·278
1811	28329	8·2	15 26 27·92	77·18	4	2·662
1812	28347	6·5	15 26 37·00	71·06	6	2·280
1813		6·5	15 27 2·			3·622
1814	28350	7·0	15 27 44·54	78·43	3	3·169
1815	28369	7·8	15 28 25·75	73·40	2	3·067
1816	28405	8·0	15 29 37·23	72·41	1	3·063
1817	28434	7·5	15 30 15·08	60·38	1	3·176
1818	28474	5·0	15 30 39·04	73·09	3	2·195
1819	28460	7·0	15 30 55·01	77·73	3	2·780
1820	28496	6·5	15 31 11·79	74·17	4	2·216
1821	28505	6·5	15 31 46·45	77·42	4	2·446
1822	28514	7·7	15 32 23·12	72·67	4	2·643
1823	28537	8·1	15 32 48·50	77·74	2	2·441
1824	28498	5·5	15 32 53·			3·536
1825	28571	7·6	15 33 41·76	78·94	2	2·402
1826	28572	6·5	15 34 15·84	68·99	5	2·835
1827	28601	5·5	15 34 16·20	77·95	2	1·910
1828	28553	8·0	15 34 18·57	70·05	6	3·331
1829	28589	7·5	15 34 50·95	73·50	5	2·699
1830	28640	6·6	15 35 47·06	74·63	5	2·230
1831	28612	7·5	15 36 8·62	80·35	2	2·916
1832	28607	6·8	15 36 22·55	76·00	5	3·272
1833	28685	7·8	15 37 8·38	76·44	2	2·241
1834	28699	7·3	15 37 41·63	76·63	5	2·390
1835	28673	6·1	15 37 44·60	80·42	1	3·017
1836	28719	7·3	15 38 45·22	77·44	1	2·568
1837	28716	6·7	15 39 12·74	73·22	5	2·960
1838	28729	7·0	15 39 24·50	71·08	3	2·647
1839	28737	8·2	15 40 4·81	76·03	5	2·947
1840	28734	7·0	15 40 7·01	80·31	1	3·184
1841	28782	7·2	15 41 6·93	74·93	2	2·131
1842	28759	7·0	15 41 28·04	73·93	2	3·328
1843	28770	8·1	15 41 35·30	74·93	6	2·982
1844	28805	7·3	15 42 8·09	75·67	4	2·409
1845	28780	6·5	15 42 43·40	69·59	5	+3·420

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1801	98° 30′ 40″·2	72·42	4	+12″·83	W 360. L_3 1955. [3224.
1802	64 27 43·6	68·24	12	12·74	W 463, T 7223, R 5094, Ar
1803	35 32 35·7	70·05	6	12·68	Oe 15391.
1804	76 32 5·3	78·03	5	12·67	W 415, Gl 3809.
1805	110 17 47·0	65·45	1	12·66	Oe 14605.
1806	62 25 49·6	76·42	4	12·66	W 496.
1807	65 45 7·4	70·01	5	12·59	[3812.
1808	80 59 32·7	80·85	2	12·56	W 435, Si_1, L_4 1581, Gl
1809	88 41 11·0	72·09	6	12·53	W 443, Si_1, Sp 5503, L_1 4768,
1810	52 46 6·1	76·17	4	12·50	W 555, R 5119. [Gl 3813.
1811	68 37 59·1	77·18	4	12·45	W 572.
1812	52 57 23·0	70·90	5	12·44	W 579, Y 6397.
1813	117 37 26·3	65·90	4	12·41	See *Notes*.
1814	95 16 26·3	73·45	3	12·36	W 486, Si_2.
1815	89 43 36·7	71·73	3	12·32	W 502, L_1 4786, Gl 3832.
1816	89 30 57·6	72·41	1	12·23	W 526, L_1 4793, Gl 3836.
1817	95 36 40·0	65·45	3	12·19	W 538, Si_2, L_3 1991.
1818	50 34 23·6	73·09	3	12·17	W 690, R 5136, 12yr 1273,
1819	74 39 36·8	77·73	3	12·14	W 683. [7yr 1240, Y 6432.
1820	51 12 39·4	74·17	4	12·12	W 705.
1821	59 35 37·4	77·42	4	12·09	W 717.
1822	68 8 55·5	72·67	4	12·04	W 733.
1823	59 29 14·1	77·74	3	12·01	W 751, PM 1737.
1824	113 24 36·2	65·91	4	12·01	See *Notes*.
1825	58 2 23·8	78·94	2	11·95	W 782.
1826	77 32 26·5	68·82	5	11·91	W 639, Sp 5557, Gl 3857.
1827	42 47 21·7	72·42	2	11·91	Ar 3264, RC 3424, RC_2 1503,
1828	103 33 55·7	72·90	5	11·90	W 631, T 7310, Si_4 1429, L_5
1829	70 55 26·8	73·00	5	11·87	W 810. [1892,
1830	52 4 42·9	74·63	5	11·80	W 862, R 5156, Y 6475.
1831	81 46 42·2	80·35	2	11·78	L_2 1793.
1832	100 31 23·8	76·00	5	11·76	Y 6479, *Note*.
1833	52 33 5·3	76·44	2	11·71	R 5162, Bn.
1834	57 53 31·6	76·63	5	11·67	W 909.
1835	87 4 57·4	69·66	4	11·66	See *Notes*.
1836	65 8 38·9	77·44	1	11·59	W 938.
1837	84 9 32·1	73·22	5	11·56	
1838	68 43 27·7	68·22	5	11·55	W 960.
1839	83 29 49·4	76·03	5	11·50	W 752, L_2 1818, Gl 3876.
1840	95 43 50·1	80·31	1	11·50	W 747, Si_2
1841	49 25 53·7	72·08	3	11·42	
1842	103 6 44·5	71·75	3	11·40	W 774, Si_4 1439.
1843	85 18 49·8	74·93	6	11·39	W 781, Gl 3883.
1844	59 2 45·5	75·67	4	11·35	W 1027, R 5174.
1845	107 31 5·9	69·59	5	+11·31	Oe 14920.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
1846	28829	6·5	15h 43m 2s·93	78·41	2	+ 2s·607
1847	28804	5·5	15 43 28·			3·597
1848	28873	6·5	15 43 46·18	73·47	1	1·920
1849	28863	7·3	15 44 16·49	76·64	5	2·577
1850	28847	6·0	15 44 39·58	72·89	6	3·344
1851	28918	7·5	15 45 44·63	77·17	4	1·962
1852	28878	5·5	15 46 6.			3·591
1853	28914	7·8	15 46 11·99	69·42	2	2.536
1854	28910	8·0	15 46 15·77	71·41	5	2·760
1855	28891	6·5	15 46 29·70	66·39	1	3·560
1856	28929	7·5	15 47 12·16	76·43	1	2·755
1857	28934	6·5	15 47 17·			2·713
1858	28955	7·5	15 48 14·59	67·73	3	2·961
1859	28975	8·9	15 48 47·			2·895
1860	28991	6·2	15 49 4·04	78·36	2	2·648
1861	28987	7·0	15 49 26·35	74·95	2	3·107
1862	28980	6·0	15 49 31·46	71·20	5	3·362
1863	29021	8·0	15 50 35·39	75·70	4	3·079
1864	29074	8·0	15 50 41·16	76·47	1	2·116
1865		3·5	15 51 17·			3·618
1866	29073	7·3	15 52 17·11	77·24	5	2·971
1867	29070	8·3	15 52 23·57	72·83	5	3·126
1868	29120	6·2	15 53 5·64	67·89	6	2·116
1869	29100	8·1	15 53 7·22	79·46	2	2·738
1870	29110	6·5	15 54 2·69	80·37	3	3·232
1871	29143	7·0	15 54 2·86	77·25	5	2·419
1872		var.	15 54 16·36	66·39	3	2·509
1873	29138	6·1	15 54 38·88	73·41	2	2.977
1874		6·0	15 55 47·			3·619
1875	29199	7·7	15 55 51·71	77·43	3	2·501
1876	29223	6·5	15 56 8·56	74·47	3	1·940
1877	29190	7·8	15 56 18·67	69·83	5	3·073
1878	29226	6·7	15 56 28·70	70·60	5	2·125
1879	29242	6·8	15 57 21·92	74·04	5	2·594
1880	29259	7·9	15 58 15·94	75·38	3	3·088
1881	29268	6·5	15 58 35·93	73·60	5	3·136
1882	29341	7·0	15 59 28·80	74·24	5	2·777
1883	29317	6·8	15 59 34·88	78·19	4	2·901
1884	29349	7·0	16 0 13·33	70·40	5	2·598
1885		6·0	16 0 30·			3·638
1886	29378	7·0	16 0 53·72	74·45	2	2·330
1887	29362	8·1	16 1 14·62	72·44	3	2·996
1888	29410	6·5	16 1 57·20	77·25	1	2·598
1889	29407	7·5	16 2 2·64	76·44	1	2·737
1890	29448	7·5	16 3 9·84	76·28	6	+ 2·735

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1846	67° 11′ 55″·3	78·41	2	+11″·28	W 1050.
1847	115 22 10·3	63·68	4	11·25	See *Notes*.
1848	43 52 55·9	66·41	1	11·23	
1849	65 56 47·3	76·64	5	11·20	W 1074, R 5187.
1850	103 45 18·2	73·74	6	11·17	W 839, Si_4, 1417, Sp 5608.
1851	45 5 53·2	77·17	4	11·09	W 1130, Oe 15682.
1852	114 57 6·1	65·91	4	11·06	See *Notes*.
1853	64 19 6·6	73·42	1	11·05	W 1129, R 5205.
1854	74 23 0·8	71·41	5	11·05	W 1126, Bn.
1855	113 36 15·9	66·39	1	11·03	See *Notes*.
1856	74 11 40·7	68·41	2	10·98	W 1149. [Ar 3309.
1857	72 13 20·7	65·45	2	10·97	W 1154, T 7388, R 5212,
1858	84 20 13·5	69·43	3	10·90	W 898, Si_1, Sp 5630, L_2
1859	81 2 48·8	65·77	3	10·86	See *Notes*. [1863.
1860	69 19 17·4	78·36	2	10·84	W 1204, T 7404, R 5225, Ar [3316, Gl 3916.
1861	91 47 43·4	74·95	2	10·82	See *Notes*.
1862	104 27 42·2	71·20	5	10·81	W 916, R, Si_4 1454, L_5 1925.
1863	90 22 51·8	75·86	5	10·73	W 940, Si_5 763, Sp 5643,
1864	49 51 2·8	76·47	1	10·72	W 1254. [L_1 4920, Gl 3924
1865	115 45 8·7	64·40	5	10·68	See *Notes*.
1866	84 53 7·0	77·24	5	10·61	W 973, Sp 5649, Gl 3931.
1867	92 42 57·4	72·83	5	10·60	See *Notes*.
1868	49 56 46·9	68·79	5	10·55	W 1316, RC 3476, Gl 3934
1869	73 25 41·8	79·46	2	10·54	W 1304, N 7yr 1800.
1870	98 3 23·2	80·37	3	10·48	See *Notes*.
1871	60 12 34·4	77·25	5	10·48	W 1340.
1872	63 43 28·6	66·39	3	10·45	See *Notes*.
1873	85 13 16·9	72·77	3	10·43	See *Notes*.
1874	115 30 52·3	61·90	2	10·34	See *Notes*.
1875	63 28 36·9	77·43	3	10·34	W 1389, N 7yr 1809.
1876	45 21 56·3	74·47	3	10·32	W 1406. [Gl 3946.
1877	90 3 49·6	69·10	6	10·31	W 1043, Sp 5673, L_1 4954,
1878	50 28 16·5	70·60	5	10·29	W 1408, RC 3482.
1879	67 24 47·2	74·04	5	10·22	
1880	90 48 57·3	80·34	2	10 16	L_1 4967. See *Notes*.
1881	93 11 6·3	73·70	4	10·13	W 1090, L_3 2103, Gl 3958.
1882	55 28 43·3	74·24	5	10·07	W 1496. [3963.
1883	81 33 45·0	78·19	4	10·06	W 1114, Si_1, L_2 1934, Gl
1884	67 45 48·3	70·40	5	10·01	W 1511.
1885	115 59 20·3	61·09	3	9·99	See *Notes*.
1886	57 24 43·9	77·45	2	9·96	W 1546. [3968.
1887	86 15 15.0	72·44	3	9·93	W 1149, Si_1, L_2 1943, Gl
1888	67 50 24·4	77·45	1	9·88	W 1569.
1889	73 57 14·8	76·44	1	9·87	
1890	73 52 18·5	76·28	6	+9·79	

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
1891	29440	5·5	16h	3m	18s·07	71·41	5	+ 3s·136
1892	29441	7·0	16	3	19·80	68·42	5	3·049
1893	29457	7·0	16	3	52·60	78·82	5	3·033
1894	29496	7·5	16	4	9·56	75·13	3	2·226
1895	29474	8·0	16	4	20·60	70·44	3	3·012
1896	29533	8·1	16	5	46·90	74·78	3	2·481
1897	29543	7·3	16	5	58·97	76·78	3	2·468
1898	29511	7·5	16	6	7·45	60·38	1	3·383
1899	29515	7·0	16	6	20·			3·525
1900	29545	7·5	16	6	46·58	71·21	5	3·074
1901	29582	6·8	16	7	19·56	77·76	3	2·657
1902	29646	7·5	16	8	27·90	73·45	2	2·041
1903	29678	7·3	16	9	34·90	78·44	1	2·054
1904	29649	7·2	16	9	52·56	67·81	5	3·099
1905	29656	7·0	16	10	10·44	75·65	5	3·180
1906	29664	7·5	16	10	20·82	73·47	1	3·148
1907	29672	8·0	16	10	21·42	78·19	4	2·899
1908	29693	7·0	16	10	56·96	77·45	1	2·557
1909	29680	8·0	16	11	11·08	74·44	2	3·149
1910	29689	7·0	16	11	56·97	74·00	5	3·382
1911	29706	7·0	16	12	27·77	70·04	5	3·210
1912	29752	7·2	16	12	53·73	77·98	2	2·324
1913	29764	7·8	16	13	25·99	76·69	4	2·242
1914	29777	6·5	16	14	38·90	72·41	4	2·602
1915	29776	7·7	16	15	11·10	65·46	1	3·064
1916	29812	7·0	16	15	48·93	79·19	4	2·574
1917	29820	7·7	16	15	55·21	76·64	5	2·555
1918	29800	6·7	16	16	9·70	71·04	5	3·110
1919	29837	7·5	16	16	28·94	76·01	3	2·583
1920	29881	5·3	16	17	46·68	70·87	2	2·258
1921	29880	7·2	16	18	27·87	75·65	5	2·847
1922	29897	8·2	16	18	32·54	71·47	1	2·258
1923	29889	7·5	16	19	9·43	80·31	1	3·119
1924	29910	7·7	16	19	24·41	79·70	4	2·567
1925	29915	7·2	16	20	4·33	72·84	5	3·013
1926	29924	7·7	16	20	12·33	76·06	5	2·884
1927	29930	7·0	16	20	32·50	75·49	4	3·016
1928	29934	7·5	16	21	7·94	60·38	1	3·419
1929	29962	7·7	16	21	9·74	77·45	1	2·713
1930	29951	7·0	16	21	28·27	73·88	2	3·355
1931	29993	7·3	16	22	23·64	75·45	3	2·732
1932	30001	7·5	16	22	42·48	80·42	1	2·729
1933	30041	6·8	16	23	33·51	74·96	4	2·386
1934	30038	8·0	16	23	39·67	78·95	2	2·550
1935	30044	7·6	16	24	19·73	75·46	3	+ 2·975

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1891	93° 8′ 10″·1	71·10	5	+ 9″·78	See *Notes*. [3981.
1892	88 50 54·2	68·42	5	9·77	W 24, Si_1, L_1 4998, Gl
1893	88 4 4·2	78·82	5	9·73	W 40, Si_1, L_1 5001, Gl
1894	54 7 10·7	75·13	3	9·71	W 78. [3985.
1895	87 3 4·5	70·44	3	9·70	W 48, L_2 1963, Gl 3987.
1896	63 16 32·9	74·78	3	9·59	W 130, R 5327.
1897	62 46 48·4	76·78	3	9·57	[L_5 1966.
1898	104 47 35·1	65·47	1	9·56	W 72, Oe 15393, Si_4 1481,
1899	111 4 42·0	63·06	3	9·55	T 7533, Ar 3368, 7 yr
1900	90 11 49·0	71·21	5	9·51	Sp 5733. [1300, 9 yr 1459.
1901	70 34 37·6	77·76	3	9·47	
1902	48 53 56·8	73·45	2	9·38	W 248.
1903	49 19 52·2	78·44	1	9·29	W 277. [5049.
1904	91 20 10·4	69·66	4	9·27	W 156, Si_2, Si_5 788, L_1
1905	95 11 4·5	75·65	5	9·25	W 164, Si_2, L_3 2152.
1906	93 38 31·1	73·47	1	9·23	W 166, T 7565, Ar 3384,
1907	81 39 5·4	78·19	4	9·23	L_2 1999. [L_3 2154, B 346.
1908	66 33 54·2	77·45	1	9·19	See *Notes*. [2158, Gl 4407.
1909	93 43 30·5	74·44	2	9·17	W 186, Ar 3387, Sp 5752, l_3
1910	104 33 58·6	74·00	5	9·14	W 199, Si_4 1488, L_5 1977.
1911	96 34 3·6	70·04	5	9·07	W 213, Si_2, L_3 2163.
1912	57 53 57·2	77·98	2	9·04	W 367, see *Notes*.
1913	55 12 32·0	76·69	4	8·99	W 381. [Gl 4021.
1914	68 33 51·1	69·90	5	8·90	W 404, T_2, N 7 yr 1852, Y 6761,
1915	89 37 23·0	65·46	1	8·86	R 5390, L_1 5091.
1916	67 27 42·2	79·19	4	8·81	
1917	66 42 42·5	76·64	5	8·80	R 5399. [5100, Gl 4029.
1918	91 47 2·4	70·05	6	8·78	W 284, Si_2, Si_5 795, L_1
1919	67 53 30·7	75·72	4	8·75	W 461. [7 yr 1323, Y 6791.
1920	56 0 15·6	70·87	2	8·65	W 510, T 7627, Ar 3408, 12 yr 1353,
1921	79 27 18·0	75·65	5	8·60	W 332, L_4 639, Gl 4038.
1922	56 0 54·1	64·95	2	8·59	W 536, Ar 3410.
1923	92 11 51·2	80·31	1	8·54	Si_5 797, Sp 5794.
1924	67 19 44·0	79·70	4	8 52	W 550. [4042.
1925	87 12 27·2	72·84	5	8·47	W 358, R 5414, Si_1, Gl
1926	81 11 56·2	76·06	5	8·46	W 362, L_2 2064, Gl 4044.
1927	87 22 2·4	75·49	4	8·43	W 367, T_2, L_1 5138, Gl
1928	105 55 49·3	65·46	5	8·39	Oe 15656, L_6. [4047.
1929	73 32 39·9	77·45	1	8·38	W 601.
1930	103 7 10·2	73·88	2	8·36	W 381.
1931	74 22 11·7	75·45	3	8·29	W 641, T_2, Gl 4057.
1932	74 17 24·5	80·42	1	8·27	W 648, T_2, Gl 4058.
1933	60 38 50·3	73·24	5	8·19	W 689.
1934	66 49 40·2	78·95	2	8·18	
1935	85 30 0·6	75·46	3	+8·13	See *Notes*.

No.	Lalande.	Mag.	Mean R.A. 1875 0.	Epoch.	Obs.	Ann. Prec.
1936	30087	7·9	$16^h\ 25^m\ 10^s{\cdot}26$	78·46	2	$+2^s{\cdot}200$
1937	30073	7·7	16 25 29·04	75·27	5	2·888
1938	30092	6·5	16 25 52·61	73·88	5	2·565
1939	30076	7·5	16 26 13·39	71·91	4	3·345
1940	30129	7·0	16 26 27·81	76·18	4	2·197
1941	31040	8·1	16 27 28·90	76·19	4	2·539
1942	30136	7·0	16 27 38·39	74·06	5	2·841
1943	30187	5·7	16 28 1·36	75·47	4	1·804
1944	30190	7·0	16 28 20·08	78·47	1	2·025
1945	30220	7·7	16 28 54·54	76·44	2	2·478
1946	30174	8·0	16 29 44·07	72·48	4	3·368
1947	30232	7·0	16 31 19·81	67·82	5	3·208
1948	30243	6·8	16 31 24·44	78·20	4	2·952
1949	30271	7·2	16 31 35·47	76·06	5	2·321
1950	30278	6·7	16 31 43·54	77·44	3	2·234
1951	30256	7·0	16 32 0·33	72·71	4	3·252
1952	30280	7·6	16 32 15·84	72·98	4	2·625
1953	30337	6·5	16 32 44·76	72·49	1	2·431
1954	30274	7·0	16 32 49·11	76·95	4	3·275
1955	30359	6·8	16 34 38·26	77·45	2	2·669
1956	30346	6·5	16 34 44·74	68·63	5	3·088
1957	30345	8·5	16 34 47·01	74·67	4	3·159
1958	30369	8·0	16 35 40·80	67·41	2	3·313
1959	30407	6·0	16 35 50·00	69·45	1	2·487
1960	30398	6·5	16 37 11·			3·745
1961	30436	7·5	16 38 11·82	72·78	3	3·501
1962	30464	8·1	16 38 25·31	74·66	5	3·016
1963	30473	8·2	16 38 47·35	77·21	4	3·089
1964	30496	7·0	16 38 55·37	70·95	6	2·520
1965	30483	7·0	16 39 8·			3·044
1966	30513	6·1	16 39 43·03	78·21	4	2·712
1967	30501	7·0	16 39 45·29	74·06	5	2·978
1968	30535	6·6	16 40 51·71	70·06	5	3·022
1969	30542	8·4	16 41 6·			3·021
1970	30580	7·3	16 42 13·44	77·21	4	2·819
1971	30568	7·0	16 42 15·15	73·86	5	3·166
1972	30594	7·7	16 42 22·05	76·96	2	2·602
1973	30590	5·9	16 42 23·21	71·68	5	2·762
1974	30583	5·0	16 42 55·			3·308
1975	30640	7·5	16 43 15·98	77·45	2	2·093
1976	30622	6·0	16 43 51·13	72·84	5	3·126
1977	30649	6·8	16 44 17·40	72·50	5	2·719
1978	30665	7·0	16 45 9·98	78·47	1	2·857
1979	30679	7·5	16 45 33·27	76·07	5	2·709
1980	30670	7·0	16 45 35·86	68·71	4	+3·130

No.	Mean N P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1936	54° 31′ 28″·3	78·46	2	+8″·06	W 730.
1937	81 26 15·6	75·27	5	8·04	PM 1831, L_3 2090.
1938	67 32 5·7	73·88	5	8·01	R 5435, T_8.
1939	102 31 51·2	68·10	6	7·98	
1940	54 30 16·8	72·16	7	7·96	W 781.
1941	66 34 24·8	76·19	4	7·88	W 803. [655, Gl 4080.
1942	79 21 55·9	74·06	5	7·87	W 510, T_2, Sp 5854, L_4
1943	44 8 9·9	75·47	4	7·83	PM 1838, Oe 16289.
1944	49 37 16·7	78·47	1	7·81	W 842, RC 3573.
1945	64 15 37·2	76·44	2	7·76	W 853.
1946	103 27 46·2	70·23	6	7·70	W 535.
1947	96 17 4·2	67·73	7	7·57	W 570, Si_2, L_3 2233.
1948	84 28 5·5	78·20	4	7·56	W 577, Si_1, Sp 5876, L
1949	58 47 13·6	76·06	5	7·55	W 947. [2127, Gl 4100.
1950	55 55 22·6	77·44	3	7·53	W 959. [2238.
1951	98 22 2·6	70·42	5	7·51	W 587, Si_2, Sp 5883, L_3
1952	70 11 29·4	71·62	5	7·49	W 973, R 5476.
1953	62 42 14·7	72·49	1	7·44	W 991, T 7717.
1954	99 18 3·1	74·65	5	7·44	W 604, Si_2, L_3 2010.
1955	72 2 49·2	77·45	2	7·30	W 1052.
1956	90 45 22·5	68·63	5	7·29	L_1 5257.
1957	93 58 21·4	74·67	5	7·28	W 649, Sp 5905, L_3 2246.
1958	100 55 57·9	69·95	2	7·21	W 668, Si_3 1858.
1959	64 53 55·1	69·45	1	7·21	W 1091, T_2, Y 6899.
1960	118 16 27·7	65·93	4	7·09	T 7745, Ar 3451, Oe 15905, Y [6908, 9 yr 1522, St 9081
1961	108 54 14·8	72·78	3	7·01	Oe 15918.
1962	87 25 55·6	69·67	6	6·99	W 718, PM 1860, Sp
1963	90 45 45·1	77·21	4	6·96	L_1 5299. [5936, Gl 4128.
1964	66 14 58·1	71·68	5	6·95	W 1201, PM 1865.
1965	88 44 54·0	61·95	4	6·93	See *Notes*.
1966	74 1 21·0	78·21	4	6·89	W 1217.
1967	85 43 40·6	74·06	5	6·88	W 745, Si_1, L_2 2193, Gl
1968	87 42 28·2	70·06	5	6·79	See *Notes*. [4134.
1969	87 36 44·4	63·70	4	6·77	Ar 3463, L_1 5320.
1970	78 38 44·3	77·21	4	6·67	W 791, R 5551, T_8, 7 yr [1361, Sp 5967, Gl 4141.
1971	94 17 26·0	73·95	4	6·67	Sp 5966, L_3 2275.
1972	69 34 17·8	76·96	2	6·66	W 1302. [1404, Gl 4142
1973	76 11 9·7	71·68	5	6·66	W 794, R 5552, 12 yr
1974	100 33 34·8	62·58	7	6·62	See *Notes*.
1975	52 12 59·9	77·45	2	6·59	W 1341, Y 6954.
1976	92 26 7·2	72·84	5	6·54	R 5554, L_1 5349.
1977	74 24 16·0	70·80	5	6·50	W 1351.
1978	80 22 37·6	78·47	1	6·43	PM 1878, R 5564.
1979	73 59 28·8	76·07	5	6·40	W 1387, R 5566. [5366.
1980	92 35 10·1	68·86	5	+6·40	W 855, Si_2, Si_3 851, Sp 5996, L_1

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
1981	30671	8·0	16h	45m	52s·52	73·27	5	+3s·182
1982	30666	6·5	16	46	2·			3·539
1983	30696	7·0	16	46	28·04	77·44	1	2·815
1984	30694	7·0	16	46	41·01	71·68	5	3·066
1985	30734	6·8	16	46	53·43	75·22	4	2·372
1986	30728	6·5	16	47	42·16	75·95	2	3·103
1987	30769	8·0	16	48	24·01	74·67	5	2·574
1988	30750	6·5	16	48	48·			3·451
1989	30756	6·5	16	49	15·			3·612
1990	30800	6·0	16	49	31·91	68·46	5	2·579
1991	30834	7·3	16	49	47·21	77·45	1	1·841
1992	30812	8·2	16	49	51·05	74·67	5	2·493
1993	30816	7·0	16	51	4·66	65·49	1	3·395
1994	30864	6·5	16	51	48·64	71·45	4	2·752
1995	30854	7·0	16	52	27·			3·489
1996	30894	6·8	16	52	58·68	78·45	2	2·713
1997	30909	8·6	16	53	4·			2·460
1998	30962	6·8	16	53	25·23	73·25	4	1·360
1999	30911	6·8	16	53	28·46	77·47	3	2·746
2000	30923	7·7	16	54	4·33	70·47	5	2·846
2001	30930	7·0	16	54	23·71	71·20	4	2·919
2002	30951	7·7	16	54	28·67	78·48	2	2·490
2003	30948	7·5	16	55	27·95	71·14	3	3·316
2004	30986	8·0	16	55	38·12	77·45	2	2·428
2005	30990	5·8	16	55	41·46	74·73	4	2·532
2006	31008	7·2	16	56	36·90	70·65	6	2·845
2007	31038	7·4	16	57	15·63	76·97	2	2·581
2008	31022	6·8	16	57	17·23	71·22	4	3·072
2009	31087	7·5	16	58	32·37	70·65	5	2·179
2010	31099	7·0	16	58	52·76	75·10	5	2·184
2011	31079	7·7	16	59	21·43	74·95	2	2·983
2012	31118	6·2	16	59	22·58	74·82	3	2·170
2013	31068	7·0	16	59	25·54	74·44	1	3·388
2014	31109	6·3	17	0	24 24	74·15	3	3·106
2015	31111	6·5	17	0	59·			3·477
2016	31158	6·0	17	1	0·64	77·45	1	2·543
2017	31143	7·0	17	1	48·09	71·47	2	3·461
2018	31173	7·0	17	2	10·44	68·96	6	2·968
2019	31171	6·5	17	2	20·05	67·68	5	3·156
2020	31213	8·0	17	2	31·60	73·28	5	2·375
2021	31188	6·0	17	2	53·47	80·47	1	3·309
2022	31229	7·3	17	3	21·53	76·87	5	2·722
2023	31210	7·0	17	3	43·16	73·09	3	3·360
2024	31231	7·0	17	3	53·07	65·96	2	3·057
2025	31270	7·0	17	4	57·64	74·30	5	+2·781

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
1981	94° 56′ 18″·1	73·27	5	+6″·37	See *Notes*. [Y 6978
1982	110 12 15·8	60·77	6	6·26	T7816, Ar3472, Oe16065,
1983	78 32 44·5	77·44	1	6·32	W 872, Bn, Sp 6002, Gl
1984	89 45 51·1	71·68	5	6·30	See *Notes*. [4160.
1985	61 7 25·2	75·22	4	6·29	PM 1880. [6012, L_1 5378.
1986	91 24 12·2	75·95	2	6·22	W 891, Si_3, Si_5 854, Sp
1987	68 37 18·1	74·67	5	6·16	W1471, PM1881, R5586.
1988	106 36 17·4	60·46	4	6·13	See *Notes*.
1989	112 57 1·8	62·41	2	6·09	T 7846, Ar 3483, Oe 16125, N
1990	68 50 20·6	69·44	5	6·07	W 1513. [7yr 1910, Y 7012.
1991	46 0 33·5	77·45	1	6·05	W 1537.
1992	65 34 7·6	74·67	5	6·04	W 1521.
1993	104 10 36·1	65·46	1	5·94	W 939, Si_4 1517, L_5 2034.
1994	75 55 21·5	71·45	4	5·88	W 964, Sp 6038, Gl 4178.
1995	108 3 5·2	62·94	2	5·83	T 7868, Ar 3492, Oe [16187, L_6.
1996	74 21 28·9	78·45	2	5·78	W 1606, T_2.
1997	64 27 57·8	58·95	2	5·77	W 1613, Ar 3496.
1998	37 6 22·8	73·25	4	5·74	
1999	75 43 40·3	77·47	3	5·74	W 992, R 5618, Gl 4181.
2000	80 0 45·5	69·63	6	5·68	W 1002, L_4 706, Gl 4183.
2001	83 13 37·1	71·20	4	5·67	See *Notes*.
2002	65 36 15·9	78·48	2	5·66	W 1650.
2003	100 46 10·0	73·97	2	5·57	W1027, Si_3 1889, L_5 2045.
2004	63 19 45·7	77·45	2	5·56	W 1690.
2005	67 10 56·4	74·73	4	5·55	W 1688, R 5639.
2006	79 59 49·8	70·65	6	5·38	Sp 6069, L_4 714.
2007	69 5 39·0	76·97	2	5·42	
2008	89 58 0·8	71·22	4	5·42	W1062, L_1 5454, Gl 4195.
2009	55 16 53·8	70·65	5	5·31	W 1781.
2010	55 26 23·3	75·10	5	5·28	W 1789.
2011	86 3 34·1	71·78	3	5·25	W 1103, R 5665, L_2 2341
2012	55 2 4·2	74·82	3	5·24	W 1806. [Gl 4206.
2013	103 45 44·9	74·44	1	5·24	See *Notes*. [878, L_1 5484.
2014	91 29 9·3	74·15	3	5·16	W 1125, PM 1898, Si_2, Si_5
2015	107 26 26·8	60·18	7	5·11	T 7931, Ar 3519, Y [7098.
2016	67 44 41·7	77·45	1	5·10	W 1844, R 5681.
2017	106 44 16·2	76·47	1	5·04	Oe 16376. [2366, Gl 4220.
2018	85 24 12·8	69·66	5	5·01	W 1160, Si_1, R 5690, L_2
2019	93 42 47·0	67·68	5	4·99	W 1161, Si_2, L_3 2333.
2020	61 42 50·3	73·28	5	4·98	W 20.
2021	100 21 29·9	80·47	1	4·95	See *Notes*.
2022	74 52 33·7	76·87	5	4·91	W 35.
2023	102 32 27·7	73·09	3	4·88	W 13, Si_3 1901, L_5 2069.
2024	89 21 37·0	65·46	1	4·86	W 26, L_1 5510, Gl 4228.
2025	77 22 32·3	74·30	5	+4·77	W 49, Gl 4232.

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
2026	31292	7·2	17^h	5^m	0^s·07	73·66	5	+2^s·212
2027	31301	7·7	17	5	20·38	76·50	2	2·041
2028	31313	5·2	17	5	30·15	70·46	5	1·946
2029	31316	7·0	17	6	6·55	77·13	3	2·249
2030	31349	7·8	17	8	0·49	70·47	5	2·460
2031	31357	6·5	17	8	19·51	75·47	2	2·557
2032	31406	7·7	17	10	2·94	73·70	5	2·649
2033	31392	var.	17	10	11·18	70·81	3	3·039
2034	31428	7·5	17	11	0·58	76·68	5	2·644
2035	31455	7·0	17	11	7·31	70·08	5	2·162
2036	31434	7·2	17	11	24·51	72·70	5	2·764
2037	31483	6·5	17	12	21·79	77·47	1	2·511
2038	31482	6·0	17	12	32·05	74·30	5	2·661
2039	31523	7·2	17	13	25·47	75·28	5	2·435
2040	31494	7·0	17	13	28·28	71·32	5	3·020
2041	31538	7·3	17	14	7·53	76·51	1	2·608
2042	31561	7·8	17	14	10·55	76·48	1	2·221
2043	31547	7·4	17	14	23·65	72·51	5	2·696
2044	31546	7·2	17	14	49·15	68·05	5	3·037
2045	31588	6·8	17	15	54·23	67·27	5	2·954
2046	31601	6·5	17	15	59·06	76·89	5	2·675
2047	31636	7·0	17	16	41·30	76·48	5	2·561
2048	31693	6·5	17	17	11·07	71·89	5	1·597
2049	31672	8·0	17	17	13·51	72·55	2	2·120
2050	31611	7·0	17	17	18·03	72·51	4	3·507
2051	31664	7·5	17	17	59·21	66·29	5	2·870
2052	31678	7·5	17	18	20·59	76·51	3	2·919
2053	31669	7·5	17	18	36·84	71·51	4	3·272
2054	31707	8·2	17	19	9·41	76·48	3	2·921
2055	31760	7·0	17	20	0·97	75·08	5	2·224
2056	31741	6·5	17	20	16·96	70·09	5	2·893
2057	31754	6·2	17	20	20·76	72·52	5	2·669
2058	31864	7·5	17	20	22·64	70·31	5	0·148
2059	31780	6·5	17	21	0·52	78·23	3	2·401
2060	31795	7·6	17	21	45·96	70·08	5	2·644
2061	30801	7·0	17	21	57·65	75·50	5	2·680
2062	31799	8·6	17	22	2·01	76·54	1	2·804
2063	31804	5·5	17	22	27·			3·062
2064	31816	7·5	17	23	6·40	70·68	6	3·206
2065	31860	8·5	17	23	36·87	74·50	2	2·796
2066	31849	7·5	17	23	43·33	70·34	6	3·170
2067	31930	7·2	17	25	0·03	75·87	5	2·146
2068	31921	7·7	17	25	1·77	75·69	5	2·535
2069	31900	6·8	17	25	33·70	71·29	5	3·069
2070	31948	6·5	17	25	53·49	71·15	3	+2·601

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2026	56° 28′ 41″·1	73·66	5	+4″·77	
2027	51 32 59·4	76·50	2	4·74	W 107, Y 7125.
2028	49 3 55·7	69·04	7	4·72	W 114.
2029	57 39 45·7	77·13	3	4·67	
2030	64 51 52·8	70·47	5	4·51	W 175.
2031	68 25 17·1	75·47	2	4·48	W 189.
2032	72 1 35·2	73·70	5	4·34	W 240. [5542, Gl 4248.
2033	88 38 54·3	70·81	3	4·32	W 143, Si_1, Sp 6162, L_1
2034	71 50 24·3	76·68	5	4·26	W 258.
2035	55 9 4·1	70·08	5	4·24	W 278.
2036	76 43 32·1	72·70	5	4·22	
2037	66 46 23·2	77·47	1	4·14	
2038	72 32 48·7	74·30	5	4·12	W 308, R 5760.
2039	64 3 40·7	75·28	5	4·05	W 341.
2040	87 43 48·6	71·32	5	4·04	W 209, R 5765, Si_1, Sp [6185, L_1 5564, Gl 4262.
2041	70 30 22·8	76·51	1	3·99	W 363.
2042	57 0 2·0	76·48	1	3·98	W 372.
2043	73 59 10·8	72·51	5	3·96	W 365.
2044	88 26 23·2	68·72	4	3·93	W 237, L_1 5574, Gl 4273.
2045	84 52 21·4	67·73	4	3·83	R 5784, Sp 6199, L_2 2448.
2046	73 8 37·7	76·89	5	3·83	W 420, R 5793.
2047	68 43 25·1	76·48	5	3·77	
2048	41 41 12·1	70·05	6	3·72	
2049	54 3 23·3	72·55	2	3·72	W 479.
2050	108 19 39·5	72·51	4	3·71	Oe 16730.
2051	81 16 33·8	67·30	5	3·66	W 297, Gl 4288.
2052	83 21 50·0	76·51	3	3·62	L 2470.
2053	98 42 49·2	71·51	4	3·60	W 303, L_3 2375.
2054	83 27 23·0	76·48	3	3·55	L_2 2477.
2055	57 12 58·2	75·08	5	3·48	W 555.
2056	82 17 35·3	70·09	5	3·46	T_2, Sp 6232, L_2 2487, Y
2057	72 58 19·0	72·52	5	3·45	W 551, Y 7251. [7247
2058	24 14 26·4	69·30	5	3·45	Oe 17100.
2059	63 0 41·4	78·23	3	3·40	W 589.
2060	71 59 41·1	70·08	5	3·33	W 601.
2061	73 26 15·4	75·50	5	3·31	W 612.
2062	78 30 13·6	76·54	1	3·30	W 372, PM 1944, R 5853,
2063	89 33 58·0	65·96	4	3·27	See *Notes*. [L_4 785, Gl 4305
2064	95 48 57·0	73·03	4	3·21	W 387, Si_2, L_3 2386, Y
2065	78 11 40·7	74·50	2	3·17	W 412, Gl 4315. [7270.
2066	94 16 10·4	72·30	5	3·16	W 406, R 5864, Si_2, Sp
2067	54 57 42·6	75·87	5	3·05	W 722. [6258, L_3 2389.
2068	67 52 3·3	75·69	5	3·05	
2069	89 51 44·5	71·29	5	3·00	W 446, T 8111, Si_1, L_1
2070	70 22 51·3	69·48	3	+2·97	W 737. [5665, Gl 4321

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
2071	31978	7·0	17h 27m 36s·10	69·88	5	+3s·141
2072	32006	8·0	17 28 24·27	70·39	1	3·107
2073	32042	6·8	17 28 52·45	78·47	2	2·678
2074	32075	7·7	17 29 18·12	75·50	4	2·157
2075	32138	6·7	17 30 40·93	70·27	5	1·920
2076	32120	7·0	17 30 47·94	68·28	5	3·137
2077	32133	6·3	17 31 12·92	77·44	1	2·359
2078	32081	6·5	17 31 14·27	70·55	1	3·604
2079	32165	6·5	17 31 24·46	72·51	5	2·059
2080	32147	7·5	17 31 41·70	74·52	5	2·581
2081	32192	7·8	17 32 46·16	76·70	5	2·563
2082	32255	6·0	17 33 21·54	70·86	5	1·563
2083	32203	7·0	17 33 41·63	68·02	6	3·120
2084	32262	7·0	17 33 54·40	76·86	3	1·914
2085	32256	7·0	17 34 12·13	69·50	5	2·215
2086	32286	8·1	17 34 25·22	76·53	1	1·924
2087	32267	7·5	17 34 28·85	72·91	5	2·295
2088	32260	8·1	17 34 32·			2·467
2089	32294	6·0	17 35 32·20	72·01	6	2·710
2090	32280	7·0	17 35 56·79	68·79	7	3·183
2091	32333	7·5	17 36 29·05	71·27	5	2·546
2092	32330	8·5	17 36 33·81	71·53	2	2·663
2093	32376	7·8	17 37 25·59	74·52	5	2·427
2094	32350	7·7	17 37 31·42	69·27	5	3·113
2095	32394	6·5	17 37 46·68	79·00	4	2·320
2096	32415	7·8	17 38 11·83	76·49	5	2·313
2097	32456	6·0	17 38 29·92	71·50	5	1·376
2098	32408	6·0	17 38 35·86	66·51	6	2·729
2099	32434	7·2	17 39 35·83	70·03	2	2·814
2100	32422	8·0	17 39 44·47	72·53	5	3·257
2101	32442	7·5	17 39 59·46	76·54	1	2·942
2102	32424	7·0	17 40 12·64	63·03	2	3·622
2103	32505	6·5	17 40 58·05	67·36	7	2·254
2104	32518	7·0	17 41 37·34	78·98	4	2·428
2105	32509	8·0	17 42 6·35	72·02	4	3·122
2106	32568	6·5	17 42 30·26	66·75	4	2·096
2107	32572	8·2	17 42 53·42	77·84	3	2·339
2108	32624	8·0	17 43 28·67	75·01	2	1·811
2109	32601	7·0	17 44 14·42	72·11	5	2·840
2110	32626	7·3	17 44 36·39	78·24	4	2·562
2111	32619	7·8	17 44 41·35	74·92	5	2·847
2112	32584	8·0	17 44 44·91	70·53	1	3·628
2113	32628	6·4	17 44 54·90	64·27	5	2·789
2114	32633	6·5	17 45 31·64	69·89	5	3·100
2115	32688	6·0	17 45 32·12	79·17	3	+2·322

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2071	92° 57′ 59″·0	72·82	3	+2″·83	W 489, Si_2, Si_5 918, Sp
2072	91 31 10·6	70·39	1	2·76	W505, Si_2, Si_5 921. [6283.
2073	73 24 35·2	78·47	2	2·72	W 851, R.
2074	55 22 19·5	75·50	4	2·68	W 880.
2075	49 0 32·7	69·48	6	2·56	R 5923.
2076	92 47 54·6	68·99	4	2·55	W 561, Si_5 925.
2077	61 44 9·6	77·51	2	2·53	W 942.
2078	111 50 8·1	70·55	1	2·51	T 8141, Ar 3598, Oe
2079	52 37 6·5	72·51	5	2·50	W 961. [17017.
2080	69 39 52·1	74·29	4	2·47	W 958.
2081	69 0 12·2	76·70	5	2·38	
2082	41 20 26·8	70·86	5	2·33	See *Notes*.
2083	92 4 55·3	70·90	5	2·30	Sp 6331, L_1 5730.
2084	48 54 58·3	76·86	3	2·28	Bn.
2085	57 11 20·5	69·50	5	2·25	W 1072, R 5948.
2086	49 9 28·2	76·53	1	2·23	W 1091.
2087	59 40 29·5	72·91	5	2·23	W 1082. [1672.
2088	65 30 54·9	66·16	3	2·22	W 1076, Ar 3606, RC_2
2089	74 45 21·8	75·32	5	2·14	W 1110, R 5958, Y 7369.
2090	94 47 11·3	70·16	6	2·10	W 677, R, Si_2, L_3 2437, [Gl 4361.
2091	68 25 51·1	71·27	5	2·05	W 1159, R 5968.
2092	72 54 15·0	76·54	1	2·05	W 1158.
2093	64 8 19·7	74·52	5	1·97	W 1205.
2094	91 44 52·6	68·64	6	1·96	W711, Si_5 937, L_1 5760.
2095	60 31 15·4	79·00	4	1·94	W 1217, R 5986.
2096	60 17 16·7	76·49	5	1·90	W 1230.
2097	38 7 14·9	71·50	5	1·88	
2098	75 32 2·4	69·51	4	1·87	W 744, R 5992. [4380.
2099	78 48 9·9	73·19	3	1·78	W757, R 6004, $L_4$827, Gl
2100	97 55 45·2	72·53	5	1·77	W 755, Sp 6372, $L_3$2453, [Y 7405.
2101	84 25 5·0	76·54	1	1·75	W 770, L_2 2680.
2102	112 25 43·5	65·46	2	1·73	Oe 17215.
2103	58 26 40·6	72·49	4	1·66	W 1304.
2104	64 12 3·3	78·98	4	1·61	W 1323, R 6026.
2105	92 9 6·3	71·11	5	1·56	W 812, Si_5 947, Sp 6394, [L 5808.
2106	53 51 53·9	67·70	4	1·53	See *Notes*.
2107	61 11 50·7	77·84	3	1·50	
2108	46 36 46·0	72·77	3	1·44	W 1396.
2109	80 6 40·7	72·11	5	1·38	W 863, Si_1, T_2, L_6, Gl [4401.
2110	69 5 25·3	78·24	4	1·35	
2111	80 25 11·9	74·92	5	1·34	W 870, Gl 4402.
2112	112 38 5·7	68·51	2	1·34	Oe 17292.
2113	78 0 54·0	66·45	4	1·32	W 877, Gl 4403.
2114	91 12 9·6	69·89	5	1·27	Sp 6421, L_1 5833.
2115	60 38 34·6	79·17	3	+1·26	W 1438.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
2116	32644	7·5	17h 45m 39s·85	69·00	2	+ 3s·046
2117	32649	6·8	17 45 44·43	66·52	3	3·046
2118	32693	6·5	17 46 20·09	71·48	5	2·706
2119	32682	7·5	17 46 33·98	72·24	5	3·210
2120	32795	8·5	17 47 31·			1·567
2121	32779	7·2	17 47 31·48	72·13	5	1·740
2122	32750	7·7	17 47 33·47	77·45	2	2·385
2123	32723	7·0	17 47 55·59	74·00	4	3·152
2124	32762	6·5	17 48 23·39	65·32	6	2·808
2125	32799	8·2	17 48 58·62	74·79	6	2·681
2126	32792	7·1	17 49 19·22	69·45	5	3·023
2127	32838	8·1	17 49 44·56	76·53	1	2·542
2128	32849	8·2	17 50 18·79	71·77	4	2·746
2129	32876	8·0	17 50 50·57	80·48	1	2·546
2130	32880	7·3	17 51 1·08	74·53	4	2·588
2131	32889	7·8	17 51 22·33	76·53	2	2·739
2132	32935	3·5	17 51 57·86	72·52	4	2·056
2133	32921	6·5	17 52 4·58	69·89	5	2·477
2134	32913	8·5	17 52 7·31	80·55	1	2·739
2135	32965	6·3	17 52 50·11	76·98	4	2·191
2136	32959	7·8	17 53 28·43	81·53	1	2·741
2137	32962	7·1	17 53 53·27	68·49	2	3·057
2138	32980	7·0	17 54 25·41	71·51	2	3·132
2139	33041	6·5	17 55 18·58	67·90	5	2·711
2140	33107	6·5	17 55 49·85	75·12	5	1·815
2141	33060	6·0	17 56 16·			3·264
2142			17 56 36·77	77·45	1	3·197
2143	33115	7·0	17 56 39·38	77·30	5	2·280
2144	33131	6·0	17 57 1·14	71·79	5	2·194
2145	33112	7·5	17 57 9·37	71·08	5	2·668
2146	33138	7·5	17 57 52·70	70·18	6	2·736
2147	33168	8·0	17 58 9·33	68·46	3	2·289
2148	33158	8·0	17 58 30·02	76·53	1	2·720
2149	33134	7·0	17 58 34·36	81·53	1	3·333
2150	33185	7·0	17 58 53·51	68·50	6	2·401
2151	33193	6·7	17 59 7·67	70·47	3	2·288
2152	33198	7·1	17 59 30·29	77·77	4	2·479
2153	33183	6·5	17 59 42·01	70·31	5	3·083
2154	33229	8·0	18 0 43·59	79·18	3	2·922
2155	33241	7·8	18 0 52·29	71·94	5	2·863
2156	32264	7·5	18 2 1·00	70·55	2	3·350
2157	33320	9·0	18 2 22·28	76·51	1	2·478
2158	33347	7·5	18 2 43·50	75·78	5	2·143
2159	33301	7·5	18 2 46·51	70·81	3	3·350
2160	33341	5·9	18 2 47·04	69·58	1	+ 2·418

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2116	88° 52′ 12″·7	72·51	1	+1″·26	W 886, L_1 5835, Gl 4406.
2117	88 51 17·7	70·00	2	1·25	W 892, L_1 5837, Gl 4407.
2118	74 38 33·2	71·48	5	1·20	
2119	95 53 51·6	78·20	3	1·16	W 917, L_3 2491. [3775.
2120	41 34 13·4	67·98	2	1·09	T 8286, Ar 3638, RC
2121	45 3 35·6	72·13	5	1·09	W 1511
2122	62 46 28·5	77·45	2	1·09	W 1493, R 6090.
2123	93 25 51·7	76·51	3	1·06	W 946, Si_2, L_3 2498.
2124	78 50 11·8	66·28	5	1·02	See *Notes*.
2125	73 39 57·7	76·13	5	0·96	
2126	87 54 9·4	68·47	5	0·93	[L_1 5871, Gl 4425. W 981, R 6107, Sp 6452,
2127	68 21 57·4	76·53	1	0·90	W 1568.
2128	76 17 48·9	71·33	5	0·85	W 1012, R.
2129	68 29 15·6	80·48	1	0·80	W 1600, R.
2130	70 5 30·1	74·12	5	0·79	W 1604, R 6127.
2131	76 0 26·1	76·53	2	0·76	W 1033.
2132	52 43 54·2	72·52	4	0·70	W 1647, B 371.
2133	65 59 25·7	69·89	5	0·69	W 1635.
2134	75 59 19·6	80·55	1	0·69	W 1057.
2135	56 35 0·2	76·98	4	0·63	
2136	76 5 2·8	81·53	1	0·57	W 1092.
2137	89 21 40·7	68·49	2	0·53	L_1 5913. [6491, Gl 4451.
2138	92 34 15·3	71·51	2	0·49	W 1110, Si_2, Si_3 966, Sp
2139	74 53 49·7	68·30	6	0·41	W 1137.
2140	46 45 38·0	75·12	5	0·36	W 1770, RC 3806.
2141	98 10 41·0	62·30	5	0·35	See *Notes*.
2142	95 22 17·8	77·45	1	0·30	
2143	59 21 8·3	77·30	5	0·29	
2144	56 41 14·5	71·75	5	0·26	W 1797.
2145	73 11 19·6	71·08	5	0·25	
2146	75 54 31·8	73·13	5	0·18	W 1192.
2147	59 39 13·1	68·46	3	0·16	
2148	75 13 22·9	76·53	1	0·13	W 1215, PM 2043.
2149	101 1 37·8	81·53	1	0·12	W 1203, Si_2 1982, L_3
2150	63 21 3·5	72·09	5	0·10	W 1848, R. [2293.
2151	59 36			0·08	
2152	66 3 41·4	77·77	4	0·04	W 1872.
2153	90 27 15·8	70·31	5	+0·03	Si_3 975, L_3 5967.
2154	83 35 58·4	79·18	3	−0·06	L_3 2924.
2155	81 7 49·7	71·94	5	0·08	See *Notes*.
2156	101 45 33·6	80.55	1	0·18	W 1289, Sp 6557, L_3 2312.
2157	64 38 4·7	76·51	1	0·21	W 12.
2158	55 11 21·3	74·56	6	0·24	W 34.
2159	101 44 37·3	72·46	3	0·24	W 1310, Si_3 1989, L_3 2317.
2160	63 54 58·2	69·58	1	−0·24	See *Notes*.

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
2161	33318	8·0	18h	3m	7s·60	66·59	1	+3s·063
2162	33342	7·7	18	3	28·32	79·01	2	2·929
2163	33345	7·0	18	3	37·63	77·84	3	2·927
2164	33402	5·9	18	3	42·07	66·92	5	2·087
2165	33376	6·0	18	4	25·40	70·68	5	2·995
2166	33412	6·0	18	4	33·97	74·50	5	2·677
2167	33438	7·2	18	5	15·45	69·52	6	2·626
2168	33472	6·0	18	5	37·87	76·59	3	2·085
2169	33461	6·8	18	6	24·42	74·71	5	3·007
2170	33449	6·0	18	6	45·			3·655
2171	33493	8·1	18	7	21·36	71·53	4	3·057
2172	33505	6·9	18	7	36·16	71·50	2	2·792
2173	33482	6·0	18	7	46·			3·569
2174	33490	7·5	18	7	47·63	63·00	2	3·441
2175	33543	7·0	18	7	58·58	70·30	5	2·534
2176	33515	7·5	18	8	10·10	80·48	1	3·069
2177	33571	7·4	18	8	36·42	76·58	4	2·579
2178	33618	6·0	18	8	54·64	70·89	5	2·000
2179	33640	7·0	18	9	52·97	76·84	3	2·326
2180	33629	7·0	18	10	55·96	69·15	5	3·378
2181	33697	7·5	18	11	19·37	76·17	5	2·496
2182	33683	7·6	18	11	37·26	70·64	5	3·104
2183	33773	7·2	18	12	12·25	69·37	6	1·614
2184	33719	6·1	18	12	19·60	71·22	3	2·746
2185	33759	7·0	18	12	55·17	78·50	2	2·499
2186		5·8	18	13	7·			2·904
2187	33731	7·0	18	13	17·22	65·85	6	3·260
2188	33780	6·9	18	13	39·19	75·54	4	2·695
2189	33792	7·3	18	13	45·66	66·05	2	2·792
2190	33820	7·7	18	14	15·42	77·37	5	2·206
2191	33827	6·9	18	15	19·97	67·46	5	2·946
2192	33858	7·2	18	15	24·53	73·32	5	2·513
2193	33847	7·1	18	15	55·83	70·93	5	3·101
2194	33850	7·0	18	16	18·52	81·53	1	3·364
2195	33896	7·5	18	16	21·15	67·71	5	2·451
2196	33897	7·5	18	16	29·88	80·55	2	2·548
2197	33929	7·3	18	16	35·13	73·35	5	2·212
2198	33937	7·4	18	16	43·06	75·38	5	2·212
2199	33941	6·5	18	17	28·62	70·24	6	2·674
2200	33955	7·3	18	17	36·10	78·19	3	2·563
2201	33997	7·3	18	18	5·32	71·91	5	2·073
2202	33959	6·5	18	18	28·17	67·14	6	3·111
2203	34021	5·8	18	19	37·85	71·29	4	2·886
2204	34061	7·7	18	19	39·61	73·97	5	2·159
2205	34078	8·2	18	19	54·50	77·92	3	+2·167

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2161	89° 37′ 35″·5	66·59	1	−0″·27	W 13, R 6250. L_1 6006.
2162	83 52 23·0	79·01	2	0·30	W 24, PM 2057, L_2 2961, Gl
2163	83 48 53·0	77·84	3	0·32	W 29, L_2 2967. [4491.
2164	53 36 34·7	67·90	5	0·32	W 76.
2165	86 41 54·3	70·68	5	0·39	W 46, L_3 2976.
2166	73 32 44·7	74·50	2	0·40	PM 2062.
2167	71 31 12·3	71·33	5	0·46	W 108.
2168	53 33 28·0	76·59	3	0·49	W 137, R 6287, Y 7692.
2169	87 12 57·0	74·71	5	0·56	Sp 6598, L_1 6037.
2170	111 44 40·8	67·03	2	0·59	See *Notes*.
2171	89 20 49·2	71·53	4	0·64	R 6302, Sp 6606, L_1
2172	78 8 51·2	76·51	1	0·67	R 6309. [6049.
2173	110 25 20·7	64·28	4	0·68	T 8429, Ar 3703, N 7yr
2174	105 25 6·5	65·47	2	0·68	Oe 17901. [2013.
2175	68 9 13·9	70·30	5	0·70	
2176	89 51 29·2	80·48	1	0·71	W 136, R 6317, Si_1, Sp
2177	69 45 27·0	76·58	4	0·75	[6621, L_2 6061.
2178	51 15 37·3	70·89	5	0·78	R 6338, Y 7770
2179	60 49 18·0	76·84	3	0·86	W 254, R 6347.
2180	102 54 48·8	69·90	5	0·95	W 198, Si_4 1622, L_5 2347.
2181	66 38 39·1	76·17	5	0·99	W 291.
2182	91 22 31·3	70·64	5	1·02	W 228, Si_2, Si_5 992, L_1
2183	42 28 49·7	72·55	4	1·07	Oe 18053. [6092.
2184	76 16 8·9	70·55	4	1·08	W 253, Bn.
2185	66 45 0·1	78·50	2	1·13	R 6388.
2186	82 47 17·9	68·49	1	1·15	See *Notes*. [L_3 2631.
2187	98 1 53·3	68·49	4	1·16	W 265, PM 2077, Si_2,
2188	74 13 24·8	75·54	4	1·19	W 350, R 6394.
2189	78 10 46·9	63·20	3	1·20	Ar 3729.
2190	57 0 16·2	77·37	5	1·25	W 376.
2191	84 37 10·2	67·69	4	1·34	R 6419, L_2 3153.
2192	67 15 26·5	73·32	5	1·35	W 406, PM 2085.
2193	91 15 35·9	70·93	5	1·39	W 324, Si_5 1000, L_1 6126.
2194	102 21 37·7	81·53	1	1·42	W 332, Si_3 1018, Sp 6996,
2195	65 0 3·5	67·71	5	1·43	[L_5 2382.
2196	68 33 1·0	80·56	3	1·44	W 440.
2197	57 10 36·7	73·35	5	1·45	
2198	57 7 7·0	75·38	5	1·46	
2199	73 22 22·6	70·24	6	1·53	W 468, R 6454.
2200	69 5 51·8	78·19	3	1·54	W 475.
2201	53 9 32·9	73·52	4	1·58	W 499, R 6464, Y 7796.
2202	91 38 42·0	70·26	5	1·61	W 391, Si_2, Si_5 1008, L_1 6148.
2203	82 2 11·5	71·35	5	1·71	W 427, Si_1, L_2 3191.
2204	55 34 18·0	73·97	5	1·72	W 541, R 6484.
2205	55 48 2·1	77·92	3	−1·74	W 548.

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
2206	34067	6·5	18h	20m	0s·27	80·56	2	+ 2s·384
2207	34074	7·5	18	20	13·16	76·32	4	2·517
2208	34066	7·3	18	20	23·48	70·52	5	2·698
2209	34131	6·1	18	21	9·51	74·32	5	2·311
2210	34130	7·1	18	21	17·33	80·03	2	2·420
2211	34115	6·7	18	21	36·78	81·53	1	2·987
2212	34128	6·5	18	21	52·40	67·67	6	2·929
2213	34159	7·7	18	22	17·58	78·55	4	2·608
2214	34180	6·8	18	22	37·82	66·72	5	2·463
2215	34196	7·6	18	23	12·99	77·38	5	2·718
2216	34178	7·0	18	23	33·36	71·51	4	3·207
2217	34217	6·8	18	23	43·51	73·97	5	2·746
2218	34226	6·5	18	23	50·67	80·24	3	3·643
2219	34218	7·5	18	24	29·69	70·05	5	3·328
2220	34221	8·5	18	24	51·			3·536
2221	34248	7·0	18	24	56·27	74·39	5	3·085
2222	34294	8·2	18	24	57·74	80·48	1	2·221
2223	34288	6·5	18	25	20·34	75·77	5	2·569
2224	34223	7·7	18	25	52·91	77·45	1	2·224
2225	34301	7·2	18	25	57·43	81·22	3	2·916
2226	34322	8·2	18	26	13·13	78·31	4	2·511
2227	34319	6·8	18	26	25·53	71·55	6	2·750
2228	34307	8·0	18	26	27·98	70·79	5	3·194
2229	34350	6·2	18	27	23·01	72·55	5	2·881
2230	34386	7·1	18	27	47·27	80·58	1	2·620
2231	34341	7·5	18	27	53·05	60·51	2	3·480
2232	34418	5·5	18	28	3·05	72·73	5	2·292
2233	34391	7·5	18	28	19·93	80·55	1	3·002
2234	34440	7·5	18	28	37·50	79·38	5	2·281
2235	34424	6·7	18	28	54·83	67·71	5	2·819
2236	34436	6·5	18	28	56·95	72·54	5	2·580
2237	34456	7·5	18	29	27·68	80·91	3	2·553
2238	34485	7·5	18	29	37·53	72·09	4	2·166
2239	34463	6·1	18	29	42·64	76·55	5	2·639
2240	34497	7·8	18	29	57·49	72·15	5	2·168
2241	34429	8·0	18	29	58·09	70·51	1	3·597
2242	34486	5·8	18	30	34·31	79·97	5	2·919
2243	34529	6·4	18	30	42·40	68·56	3	2 166
2244	34999	5·5	18	31	10·61	78·59	2	3·081
2245	34536	6·9	18	31	19·85	70·45	4	2·537
2246	34488	7·0	18	31	26·			3·584
2247	34538	6·1	18	31	32·65	80·08	2	2·690
2248	34569	6·5	18	33	13·76	74·21	6	3·256
2249	34590	6·7	18	33	27·68	75·58	4	2·953
2250	34637	7·7	18	34	22·51	76·58	5	+ 2·655

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2206	62° 40′ 24″·1	80·56	2	−1″·75	PM 2090.
2207	67 21 43·9	76·57	5	1·77	
2208	74 18 35·8	70·52	5	1·78	
2209	60 14 30·2	74·32	5	1·85	Bn.
2210	63 50 40·2	75·92	3	1·86	W 590, Ar 3758.
2211	86 19 36·0	81·53	1	1·88	W 478, L_2 3231, Gl 4531.
2212	83 52 49·9	69·09	5	1·90	RC 3917, L_2 3236.
2213	70 46 51·2	78·55	4	1·95	W 607.
2214	65 22 45·8	68·52	5	1·98	W 620, PM 2095.
2215	75 5 23·4	77·38	5	2·03	W 631, R 6525.
2216	95 48 19·0	71·52	5	2·06	W 523, Si_2, L_3 2681.
2217	76 13 25·3	73·97	5	2·07	W 539.
2218	72 5 45·9	80·24	3	2·08	W 650, R 6530, L_6.
2219	100 52 47·1	70·05	5	2·14	See *Notes*.
2220	109 12 37·0	58·54	1	2·17	Ar 3774, Oe 18347, Bn.
2221	90 34 2·3	74·39	5	2·18	L_1 6201.
2222	57 21 27·5	80·48	1	2·18	W 697.
2223	69 15 38·6	75·77	5	2·21	W 700, R 6559.
2224	57 26 37·1	77·45	1	2·26	W 724.
2225	83 18 18·4	81·22	3	2·27	L_2 3309.
2226	67 6 9·9	78·31	4	2·29	
2227	76 21 23·8	72·02	5	2·31	W 611.
2228	95 15 9·7	74·57	5	2·31	W 599, Sp 6803, L_3 2694.
2229	81 49 25·5	72·55	5	2·39	L_2 3330.
2230	71 10 29·3	80·58	1	2·43	R 6588.
2231	107 4 53·8	65·46	1	2·43	T 8555, Oe 18417.
2232	59 32 17·9	72·73	5	2·45	See *Notes*.
2233	86 57 34·5	80·55	1	2·47	W 651, L_2 3344.
2234	59 12 6·6	79·38	5	2·50	W 818.
2235	79 12 15·9	67·71	5	2·52	W 668, R 6602, Gl 4550.
2236	69 37 44·4	72·54	5	2·53	R.
2237	68 36 40·5	80·91	3	2·57	W 837, Bn.
2238	55 38 53·4	72·09	4	2·59	W 853.
2239	71 53 41·5	76·55	5	2·59	W 845, L_6.
2240	55 41 19·4	72·15	5	2·61	W 872.
2241	111 35 51·2	70·51	1	2·61	Bn.
2242	83 25 32·1	79·97	5	2·67	L_2 3385.
2243	55 38 31·2	70·01	4	2·68	W 893.
2244	90 24 47·1	78·59	2	2·72	R 6614, Sp 6852, L_1
2245	67 59 41·1	70·47	5	2·73	W 902. [6253.
2246	111 9 7·6	67·03	2	2·74	Ar 3805, L_6, B 392.
2247	73 54 26·7	80·08	2	2·75	W 905.
2248	97 54 2·5	74·16	5	2·90	W 784, Si_2, L_3 2744.
2249	84 50 46·8	75·58	4	2·92	W 796, Si_1, L_2 3448, Gl
2250	72 30 34·9	76·58	5	−2·99	[4570.

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
2251	34632	7·3	18h	34m	23s·89	70·24	4	+ 2s·868
2252	34636	6·7	18	34	29·74	72·06	6	2·793
2253	34643	7·5	18	34	47·04	78·10	5	2·870
2254	34653	7·3	18	35	8·62	80·91	3	2·969
2255	34665	7·6	18	35	19·36	76·53	1	2·789
2256	34700	7·5	18	35	26·61	71·15	5	2·045
2257	34674	6·5	18	35	39·82	79·82	4	2·789
2258	34664	7·0	18	35	51·40	66·35	5	3·239
2259	34754	6·5	18	36	57·98	71·57	5	2·264
2260	34709	7·0	18	37	6·94	73·38	5	3·233
2261	34765	7·7	18	37	7·20	76·55	3	2·183
2262	34715	7·5	18	37	8·46	80·59	1	3·110
2263	34740	8·2	18	37	44·10	80·48	1	3·110
2264	34767	7·2	18	37	46·25	77·76	5	2·660
2265	34717	7·0	18	37	50·65	68·56	2	3·582
2266	34777	6·7	18	38	7·12	73·97	7	2·791
2267	24779	7·2	18	38	30·35	68·54	5	3·084
2268	34853	5·5	18	39	9·68	66·77	5	2·255
2269	34820	6·3	18	39	19·69	74·15	6	2·948
2270	34836	8·1	18	39	36·55	78·59	4	2·805
2271	34822	6·0	18	39	49·42	73·60	2	3·310
2272	34890	6·9	18	40	17·30	70·31	5	2·544
2273	34899	6·9	18	40	35·02	77·21	5	2·635
2274	34960	7·8	18	40	42·05	71·65	1	1·767
2275	34906	7·5	18	41	2·13	80·60	2	2·783
2276	34931	4·9	18	41	2·16	74·61	5	2·415
2277	34925	6·4	18	41	12·37	72·95	5	2·630
2278	34995	8·5	18	41	41·32	71·53	1	1·917
2279	34951	7·0	18	41	45·43	80·30	4	2·667
2280	35016	6·0	18	42	13·19	73·05	6	1·917
2281	34978	8·1	18	42	20·40	76·57	2	2·829
2282	35042	7·0	18	42	39·38	69·59	1	1·829
2283	34981	8·0	18	42	48·28	73·53	5	3·098
2284	34985	8·0	18	43	0·			3·212
2285	35045	6·0	18	43	14·13	76·19	5	2·264
2286	35005	6·5	18	43	14·97	66·06	7	3·056
2287	35028	7·0	18	43	29·33	71·85	4	2·732
2288	35044	7·1	18	43	36·81	77·60	3	2·567
2289	35051	8·4	18	44	6·64	80·61	1	2·829
2290	35074	6·7	18	44	52·78	66·97	5	2·821
2291	35105	7·1	18	45	13·30	74·54	1	2·489
2292	35150	5·9	18	46	18·07	69·74	5	2·750
2293	35192	7·3	18	46	28·28	77·23	3	2·178
2294		6·0	18	46	32·			3·588
2295	35189	6·5	18	46	40·93	71·05	4	+2·357

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2251	81° 14′ 39″·3	71·68	6	−3″·00	See *Notes*.
2252	78 3 29·2	72·06	6	3·01	W 827, Sp 6885, Gl 4576.
2253	81 19 23·3	78·10	5	3·03	W 836, Si_1, L_2 3473.
2254	85 33 22·5	80·91	3	3·06	Sp 6891, L_2 3481.
2255	77 54 20·5	76·53	1	3·08	W 849, Gl 4579.
2256	52 7 21·7	71·15	5	3·09	[Gl 4582.
2257	77 52 49·8	79·82	4	3·11	W 857, T 8601, Ar 3819,
2258	97 11 31·0	67·79	4	3·12	W 854, L_2 2774.
2259	58 30 4·9	71·57	5	3·22	W 1091.
2260	96 56 21·5	73·38	5	3·23	W 897, Si_2, L_2 2787.
2261	56 1 13·2	76·55	3	3·23	W 1101, Bn.
2262	91 40 53·3	80·59	2	3·23	W 901, Si_5 1045, L_1 6317.
2263	91 40 41·8	80·48	1	3·29	W 918, Si_5 1046, L_1 6326.
2264	72 37 54·7	77·76	5	3·29	W 1111.
2265	111 7 34·7	71·54	1	3·30	Oe 18623, L_6, Y 7936.
2266	77 57 16·8	71·55	10	3·32	Ar 3831, Bn. [Gl 4592.
2267	90 29 55·3	70·55	4	3·35	W 942, R 6654, L_1 6337,
2268	58 11 40·2	69·80	5	3·41	
2269	84 37 41·4	74·15	6	3·42	Sp 6938, L_2 3547.
2270	78 31 47·8	78·59	4	3·45	W 973, L_4 1076, Gl 4597. [6941, L_6 2515.
2271	100 15 21·4	81·62	1	3·47	W 970, Si_2, Si_2 2060, Sp
2272	68 8 42·1	70·31	5	3·51	W 1188, Bn.
2273	71 38 34·6	77·21	5	3·53	R 6702, L_6. [18593.
2274	45 14 20·3	71·65	1	3·55	W 1224, Ar 3850, Oe
2275	77 34 42·4	80·60	2	3·57	W 1009, L_4 1087, Gl 4609.
2276	63 28 13·3	74·61	5	3·57	W 1218.
2277	71 25 32·5	72·95	5	3·59	
2278	48 43 37·0	71·53	1	3·63	W 1257, RC 4053.
2279	73 13 32·2	80·30	4	3·63	W 1241.
2280	48 41 29·0	72·70	7	3·67	W 1276, RC 4058.
2281	79 29 38·5	76·57	2	3·68	L_4 1103.
2282	46 34 26·6	67·65	2	3·71	W 1291, RC 4063.
2283	91 7 13·2	73·53	5	3·72	See *Notes*. [Y 7981.
2284	96 5 2·9	67·53	1	3·74	W 1058, Ar 3857, L_2 2844,
2285	58 22 49·7	76·19	5	3·76	R 6751.
2286	89 18 11·5	68·28	5	3·76	Sp 6972, L_1 6392.
2287	75 28 53·5	72·01	5	3·78	
2288	68 58 21·2	77·60	3	3·79	W 1302, PM 2167.
2289	79 31 34·3	80·61	1	3·83	W 1096, L_4 1118, Gl 4621.
2290	79 10 6·4	69·87	4	3·90	W 1115, PM 2170, L_4 1122.
2291	66 2 15·7	70·14	2	3·93	R 6772.
2292	76 10 55·9	69·88	6	4·02	W 1152, Gl 4629.
2293	55 45 12·1	77·23	3	4·04	W 1398. [2073, Y 8002.
2294	111 30 36·5	67·54	2	4·04	T 8674, Ar 3873, N 7yr
2295	61 21 52·6	70·96	5	−4·06	W 1401, R 6795.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
2296	35205	8·2	18h 47m 5s·53	71·57	1	+2s·357
2297	35204	7·7	18 47 10·16	79·59	5	2·437
2298	35222	6·3	18 47 12·87	72·61	5	2·108
2299	35203	7·6	18 47 33·33	78·57	7	2·853
2300	35238	7·5	18 47 42·15	80·61	1	2·073
2301	35236	7·1	18 48 27·03	78·94	3	2·725
2302	35237	7·5	18 48 39·66	79·07	2	2·853
2303	35271	7·0	18 49 8·55	75·19	5	2·718
2304	35279	6·5	18 49 9·64	65·27	4	2·585
2305	35297	6·2	18 49 15·02	69·00	5	2·385
2306	35284	7·0	18 49 41·46	73·78	5	2·912
2307	35303	6·5	18 49 47·28	77·00	5	2·741
2308	35281	6·5	18 49 53·19	80·24	3	3·117
2309	35334	4·0	18 50 0·14	70·31	4	2·980
2310	35332	7·5	18 50 5·96	71·16	5	2·289
2311	35329	7·0	18 50 32·25	80·60	2	2·652
2312	35392	5·5	18 50 51·92	77·95	5	1·921
2313	35416	7·0	18 51 37·36	72·18	5	1·903
2314	35407	7·5	18 52 2·88	78·01	5	2·439
2315	35384	7·5	18 52 15·20	81·58	1	3·184
2316	35395	6·8	18 52 16·92	70·31	5	2·934
2317	35421	5·8	18 52 40·87	70·80	5	2·669
2318	35461	7·6	18 52 52·12	76·21	5	2·032
2319	35452	8·0	18 52 54·			2·233
2320	35440	7·5	18 53 2·91	80·07	2	2·478
2321		8·5	18 53 9·			2·232
2322	35445	5·8	18 53 18·88	73·41	5	2·608
2323	35434	6·5	18 53 21·92	74·78	5	2·844
2324	35488	6·8	18 53 59·80	69·85	4	2·321
2325	35476	6·6	18 54 6·19	79·59	2	2·697
2326	35472	7·5	18 54 32·52	71·81	4	3·177
2327	35511	5·8	18 54 39·84	68·36	5	2·437
2328	35507	6·5	18 54 41·94	76·00	5	2·531
2329	35590	7·5	18 55 32·64	76·99	5	1·869
2330	35497	6·4	18 55 42·99	74·99	7	3·530
2331	35578	7·0	18 55 47·73	74·20	5	2·211
2332	35561	6·7	18 55 56·84	70·57	5	2·565
2333	35584	6·2	18 56 12·58	68·11	5	2·436
2334	35604	6·8	18 56 18·64	74·08	4	2·210
2335	35562	6·5	18 56 20·77	79·17	5	2·885
2336	35680	4·8	18 57 4·91	80·55	1	1·508
2337	35598	6·0	18 57 12·78	72·02	5	3·035
2338	35707	5·5	18 57 54·14	66·94	5	1·696
2339	35655	6·8	18 58 0·20	75·82	4	2·674
2340	35673	7·3	18 58 11·47	72·56	3	+2·451

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2296	61° 22′ 50″·2	71·57	1	−4·09	W 1413.
2297	64 7 23·7	79·59	5	4·10	
2298	53 36 35·4	72·61	5	4·10	W 1418.
2299	80 29 36·0	78·59	7	4·13	W 1186, L_4 1148, Gl 4632.
2300	52 38 0·9	80·61	1	4·14	
2301	75 8 49·1	78·94	3	4·21	W 1444, L_4 1158.
2302	80 28 7·9	79·07	2	4·23	W 1213, Sp 7030, L_4
2303	74 48 48·9	75·19	5	4·26	W 1469. [1160.
2304	69 32 26·5	69·07	6	4·27	
2305	62 14 36·5	70·04	5	4·28	W 1489.
2306	82 58 55·4	73·78	5	4·31	See *Notes*.
2307	75 46 21·6	77·00	5	4·32	W 1251, R 6855, Bn, Gl
2308	91 57 33·5	80·24	3	4·33	Bn, L_1 6465. [4646.
2309	85 57 26·3	70·31	4	4·34	W 1252, T 8701, R 6858,
2310	59 0 38·7	71·16	5	4·35	[L_2 3715, Y 8031.
2311	72 9 54·1	80·60	2	4·39	W 1522, R 6868.
2312	48 33 23·8	77·95	5	4·41	W 1551, T_2, RC 4125.
2313	48 6 9·3	72·18	5	4·48	W 1583, Bn.
2314	64 4 7·0	78·01	5	4·51	PM 2191.
2315	94 53 37·2	81·58	1	4·53	W 1297, Si_2, L_3 2955, Gl [4658.
2316	83 55 21·8	70·35	6	4·53	W 1303, L_2 3753, Gl 4659.
2317	72 48 20·2	70·80	5	4·57	W 1593.
2318	51 22 0·8	76·21	5	4 59	
2319	57 10 37·0	59·59	4	4·59	Ar 3909.
2320	65 27 30·7	80·07	2	4·60	W 1606.
2321	57 15 26·3	64·86	4	4·61	Ar 3911.
2322	70 22 26·1	73·41	5	4·62	W 1610.
2323	80 1 41·8	74·78	5	4·63	W 1329, L_4 1195, Gl
2324	59 59 45·2	70·54	3	4·68	[4666.
2325	73 54 52·8	79·59	2	4·69	R 6933.
2326	94 36 47·4	70·34	6	4·73	W 1355, Si_2, R 6936, Sp
2327	63 56 27·1	70·31	5	4·74	[7092, L_3 2987.
2328	67 21 29·5	76·00	5	4·74	W 1660, L_6.
2329	47 9 35·0	76·99	5	4·81	
2330	109 25 26·6	76·90	6	4·82	Y 8087.
2331	56 25 57·6	74·20	5	4·83	W 1715
2332	68 39 43·6	70·57	5	4 84	R 6970.
2333	63 53 5·6	69·05	4	4 87	W 1721.
2334	56 22 26·9	74·08	4	4·88	W 1725.
2335	81 48 18·1	79·17	5	4·88	W 1408, L_2 3819, Gl 4685.
2336	39 38 34·3	80·55	1	4·94	Oe 18838.
2337	88 21 36·6	72·02	5	4·95	W 1431, L 6545.
2338	43 14 28·4	68·94	5	5·01	Oe 18849, RC 4171
2339	72 54 1·5	75·82	4	5·02	W 1773, R 7014.
2340	64 21 21·3	72·56	3	−5·04	W 1788.

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
2341	35684	7·3	18h	58m	35s·27	78·62	4	+2s·668
2342	35666	6·5	18	58	50·02	69·90	6	3·111
2343	25709	7·5	18	59	13·94	73·04	4	2·712
2344	35665	7·5	18	59	27·			3·612
2345	35737	8·2	18	59	36·23	75·06	2	2·453
2346	35779	6·0	19	0	11·97	76·09	4	2·279
2347	35812	6·5	19	0	54·92	70·87	3	2·335
2348	35814	7·8	19	1	16·58	76·57	5	2·533
2349	35770	8·0	19	1	24·72	80·54	1	3·373
2350	35821	7·2	19	1	33·93	74·61	5	2·552
2351	35799	7·0	19	1	34·01	72·30	6	2·918
2352	35810	7·5	19	1	52·77	71·16	5	3·047
2353	35817	7·7	19	1	59·49	78·37	4	2·597
2354	35830	7·7	19	1	59·50	80·58	2	2·700
2355	35851	5·5	19	2	20·91	76·61	8	2·686
2356	35857	7·3	19	2	24 83	70·99	5	2·612
2357		6·5	19	2	25·			3·541
2358	35926	7·5	19	2	58·70	69·58	3	2·198
2359	35880	6·5	19	3	4·61	80·61	3	2·687
2360	35870	6·6	19	3	5·72	77·00	5	2·820
2361	35929	7·0	19	3	25·15	78·55	4	2·500
2362	35872	7·0	19	3	25·94	70·88	6	3·086
2363	36027	6·9	19	3	58·81	60·56	2	2·033
2364	35957	7·0	19	4	0·63	70·51	5	2·327
2365	36004	7·8	19	4	9·55	73·13	2	1·841
2366	35995	8·5	19	4	27·92	68·05	2	2·193
2367	35999	6·5	19	4	29·26	70·33	4	2·193
2368	35972	7·5	19	4	54·46	77·99	5	2·842
2369	35968	7·5	19	4	55·42	73·23	5	2·960
2370	36015	7·4	19	5	22·35	76·21	5	2·581
2371	36045	6·8	19	5	26·41	72·61	5	2·159
2372	36008	7·0	19	5	46·19	80·11	2	3·018
2373	36053	6·0	19	5	53·77	81·64	1	3·256
2374	36022	8·1	19	6	19·68	68·50	8	2·441
2375	36076	7·7	19	6	31·94	74·88	4	2·446
2376	36082	7·5	19	6	39·20	79·01	6	2·446
2377	36130	8·0	19	6	55·38	67·97	5	1·936
2378	36081	7·0	19	6	58 28	74·35	4	2·690
2379	36106	6·0	19	7	15·06	81·20	3	2·572
2380	36099	6·0	19	7	34·62	70·95	5	2·953
2381	36146	7·0	19	8	26·74	80·36	4	2·812
2382	36193	7·8	19	8	28·			2·029
2383	36147	7·0	19	8	37·04	78·81	5	2·942
2384	36224	6·5	19	8	43·81	70·60	4	1·695
2385	36179	6·9	19	8	45·61	72·47	6	+2·462

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2341	72° 37′ 49″·6	78·62	4	−5″·07	W 1796.
2342	91 41 56·0	71·64	6	5·09	R 7031, L_1 6575.
2343	74 27 0·8	73·04	4	5·12	W 1817. [10383.
2344	112 41 13·9	62·16	2	5·14	Ar 3931, Oe 19069, St
2345	64 24 0·5	75·06	2	5·16	
2346	58 26 27·2	76·09	4	5·21	W 1868, T_2.
2347	60 16 3·6	70·87	3	5·27	W 1885, Ar 3938, Bn
2348	67 17 59·6	76·57	5	5·30	W 1895, R 7078, L_6.
2349	103 9 1·3	80·54	1	5·31	W 1547, Si_4 1709. L_5 2683, Y
2350	68 1 3·2	74·61	5	5·32	W 1906, PM 2227. [8151.
2351	83 12 35·1	72·30	6	5·32	Bn, L_2 3920.
2352	88 53 45·2	71·16	5	5·35	W 1572, Si_1, L_1 6613, Gl
2353	69 45 46·0	78·37	4	5·36	See *Notes*. [4707.
2354	73 54 14·9	80·58	2	5·36	W 1919, R 7091.
2355	73 19 54·4	76·61	8	5·39	See *Notes*.
2356	70 19 53·8	70·99	5	5·39	R 7102, L_6.
2357	109 59 56·2	67·80	4	5·39	T 8793, Ar 3945, Oe
2358	55 48 11·1	69·07	6	5·44	W 38. [19165, Y 8160.
2359	73 20 34·2	80·61	3	5·45	W 29, R 7116.
2360	78 54 14·4	77·00	5	5·45	L_4 1266.
2361	66 1 6·0	78·55	4	5·48	W 49, R 7121.
2362	90 37 38·3	74·63	4	5·48	See *Notes*.
2363	51 2 36·7	65·73	1	5·52	W 78, T 8811, Ar 3961.
2364	59 53 51·2	70·51	5	5·53	Ar 3960.
2365	46 13 52·2	71·00	3	5·54	W 91.
2366	55 36 24·7	68·05	2	5·57	
2367	55 36 21·2	70·33	4	5·57	PM 2246.
2368	79 51 23·8	77·99	5	5·60	See *Notes*. [Gl 4725.
2369	85 1 25·6	73·13	4	5·60	W64, Si_1, R 7143, $L_2$3973,
2370	69 0 53·5	76·21	5	5·64	W 111, R 7156.
2371	54 32 30·0	72·61	5	5·65	W 123. [$L_1$6651, Gl4728.
2372	87 35 0·9	80·11	2	5·68	W85, PM 2249, Sp7197,
2373	98 8 48·1	81·64	1	5·69	R 7159, L_3 3098, Y 8181,
2374	63 48 32·4	71·22	6	5·72	Bn. [St 10433.
2375	63 55 39·8	74·88	4	5·74	W 159.
2376	63 57 27·4	79·01	6	5·75	W 165, PM 2250.
2377	48 25 49·3	69·76	5	5·76	RC 4217.
2378	73 21 43·8	74·35	4	5·77	W 170.
2379	68 39 16·9	81·20	3	5·80	T_2, Gl 4738.
2380	84 41 41·9	70·95	5	5·83	W 145, Bn, L_2 4020. [1317, Gl 4744.
2381	78 30 2·0	80·36	4	5·88	W168, R7217, Sp7229, L_4
2382	50 42 47·3	58·84	5	5·91	W 232, Ar 3981.
2383	84 9 56·7	78·81	5	5·91	W 169, Bn, L_2 4036, Gl [4746.
2384	42 50 8·7	70·80	5	5·92	
2385	64 27 15·6	72·47	6	−5·93	

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
2386	36160	7·8	19h 8m 46s·42	75·58	6	+2s·895
2387	36199	7·4	19 9 8·77	76·40	5	2·482
2388	36173	8·0	19 9 27·91	76·03	5	3·273
2389	36207	6·1	19 9 38·31	70·83	4	2·733
2390	36237	6·3	19 10 2·15	80·61	3	2·650
2391	36282	5·8	19 10 33·14	72·60	3	2·327
2392	36268	5·9	19 10 43·38	78·56	2	2·747
2393	36271	7·0	19 11 35·31	75·95	3	3·408
2394	36353	6·1	19 12 26·26	67·78	5	2·537
2395	36409	6·7	19 13 3·75	71·80	5	2·048
2396	36447	5·5	19 13 49·37	76·21	5	2·799
2397	36385	7·0	19 13 58·43	80·20	5	3·106
2398	36432	6·7	19 14 2·24	71·28	7	2·426
2399	36435	7·2	19 14 6·25	77·20	5	2·434
2400	36376	7·0	19 14 17·			3·520
2401	36461	6·8	19 14 23·01	73·23	5	2·244
2402	36428	7·8	19 14 32·34	71·89	4	2·860
2403	36478	6·2	19 14 37·03	69·76	5	2·110
2404	36466	8·0	19 14 59·83	79·55	2	2·640
2405	36499	6·8	19 15 29·39	79·61	2	2·639
2406	36474	7·0	19 15 39·53	71·19	5	2·284
2407	36489	5·0	19 15 55·75	67·90	6	3·083
2408	36540	7·0	19 16 18·62	72·45	7	2·474
2409	36502	7·0	19 16 19·37	81·14	4	3·242
2410	36549	7·5	19 16 29·88	73·11	4	2·474
2411	36574	7·5	19 16 42·95	75·96	3	2·268
2412	36570	7·2	19 16 46·87	77·60	5	2·352
2413	36542	6·5	19 16 51·16	70·85	4	2·857
2414	36532	7·7	19 16 52·15	80·62	1	2·887
2415	36578	6·5	19 17 25·67	75·80	5	2·742
2416	36572	7·5	19 17 38·16	80·92	3	2·886
2417	36654	6·7	19 18 16·98	77·80	4	2·111
2418	36594	7·0	19 18 23·38	73·12	4	3·185
2419	36663	6·9	19 18 50·95	70·07	6	2·256
2420	36685	7·5	19 19 13·38	77·65	2	2·271
2421	36683	7·0	19 19 21·29	71·62	5	2·408
2422	36666	8·0	19 20 23·51	70·70	1	3·495
2423	36747	8·0	19 20 46·37	80·61	1	2·492
2424	36688	6·5	19 20 48·90	73·00	3	3·495
2425	36741	7·2	19 21 5·57	79·60	5	2·810
2426	36769	7·3	19 21 22·00	77·21	5	2·581
2427	36719	7·5	19 21 28·			3·417
2428	36785	7·8	19 21 28·69	72·44	5	2·431
2429	36751	7·8	19 21 33·24	77·80	5	3·030
2430	36781	6·0	19 21 48·95	75·59	5	+2·759

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2386	82° 7′ 9″·0	75·58	6	−5″·93	W 175, L_2 4038, Gl 4747.
2387	65 12 3·4	76·40	5	5·96	[8206.
2388	98 54 27·9	76·03	5	5·98	W 187, Si_2, L_3 3134, Y
2389	75 7 55·9	70·77	5	6·00	W 200, R 7239.
2390	71 42 6·0	80·61	3	6·03	L_6.
2391	59 41 26·8	68·60	5	6·08	[1247, L_4 1335.
2392	75 40 30·6	78·56	2	6·09	PM 2262, R 7263, 6 yr
2393	104 45 47·1	75·95	3	6·16	Oe 19373, L_5 2751.
2394	67 11 53·7	72·10	4	6·23	W 345.
2395	51 6 8·6	72·11	4	6·28	W 375.
2396	77 51 17·6	76·21	5	6·35	See *Notes*.
2397	91 32 30·6	80·20	5	6·36	W 301, Si_2, L_1 6736.
2398	62 58 1·1	75·79	5	6·37	
2399	63 17 45·6	77·20	5	6·37	W 392.
2400	109 27 56·0	67·57	2	6·39	See *Notes*.
2401	56 50 19·5	73·23	5	6·40	
2402	80 29 26·8	71·26	6	6·41	W 324, L_4 1364, Gl 4762.
2403	52 47 3·5	69·82	4	6·42	
2404	71 8 3·7	78·62	1	6·44	W 409.
2405	71 5 23·3	79·28	3	6·48	W 431, PM 2277.
2406	58 8 0·4	71·19	5	6·50	[L_1 6762, 9 yr 1768.
2407	90 29 13·6	71·60	4	6·52	W 357, Si_5 1122, Sp 7296,
2408	64 37 51·4	73·20	5	6·55	W 460.
2409	97 38 15·0	81·14	4	6·55	W 365, Si_2, L_3 3206.
2410	64 39 38·5	73·11	4	6·56	
2411	57 33 25·8	75·96	3	6·59	W 480.
2412	60 19 48·9	77·60	5	6·59	
2413	80 19 41·8	81·16	2	6·60	W 378, Si_1, L_4 1387.
2414	81 37 50·1	80·62	1	6·60	See *Notes*.
2415	75 19 3·8	75·80	5	6·65	W 399, R 7373, L_4 1395,
					[4772.
2416	81 34 46·2	80·92	3	6·66	W 401, Si_1, L_2 4167, Gl
2417	52 39 30·2	77·80	4	6·72	W 524. [4774.
2418	95 7 38·6	72·61	5	6·73	W 412, Si_2, Sp 7309, L_3
2419	57 1 30·9	69·99	7	6·76	[3226.
2420	57 31 11·8	77·65	2	6·79	
2421	62 9 19·2	71·62	5	6·81	R 7416.
2422	108 35 55·1	59·06	2	6·89	Ar 4052, Oe 19572, L_6.
2423	65 11 41·5	80·61	1	6·92	W 598. [19583, L_6.
2424	108 36 32·9	73·00	3	6·93	T 8937, Ar 4057, Oe
2425	78 11 14·1	79·60	5	6·95	W 488, L_4 1419, Gl 4789.
2426	68 35 46·9	77·21	5	6·97	W 618.
2427	105 21 15·2	65·94	4	6·98	Ar 4063, Bn, L_6, Y 8322.
2428	62 55 48·5	72·44	5	6·98	W 625, PM 2299.
2429	88 4 36·9	77·80	5	6·99	W 497, R 7453, L_1 6837,
2430	75 58 6·8	75·59	5	−7·01	See *Notes*. [Gl 4791.

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
2431	36779	7·9	19h.	21m.	51s·98	81·39	4	+2s·801
2432	36789	7·1	19	21	53·51	73·39	5	2·664
2433	36821	6·5	19	22	31·53	66·15	5	2·675
2434	36800	7·5	19	22	35·72	76·15	2	2·883
2435	36783	7·0	19	22	37·58	80·58	1	3·359
2436	36791	7·0	19	22	37·63	72·84	5	3·233
2437	36813	6·9	19	22	53·92	70·60	5	3·072
2438	36843	7·8	19	23	9·78	80·48	1	2·800
2439	36892	6·4	19	23	12·97	71·67	2	2·106
2440	36862	7·5	19	23	13·83	69·57	2	2·497
2441	36890	7·0	19	24	17·79	71·84	5	3·003
2442	36923	7·3	19	24	33·01	80·09	4	2·557
2443	36919	7·5	19	24	43·16	80·64	2	2·794
2444	36922	6·7	19	24	44·31	77·27	6	2·704
2445	36927	7·0	19	24	50·28	75·61	5	2·681
2446	36930	7·0	19	24	53·85	77·88	4	2·702
2447	36937	7·0	19	25	33·57	71·33	6	2·952
2448	36978	7·0	19	25	36·01	68·37	5	2·249
2449	36968	7·6	19	26	0·06	81·32	3	2·676
2450	36965	7·7	19	26	12·53	78·60	4	2·863
2451	36963	7·0	19	26	13·40	74·61	5	2·873
2452	36995	6·5	19	26	14·41	72·62	3	2·456
2453	37014	7·0	19	26	33·59	79·62	2	2·259
2454	36992	8·0	19	27	5·97	70·91	3	3·181
2455	37019	6·9	19	27	36·19	66·55	6	2·959
2456	37064	6·8	19	28	2·97	72·64	5	2·582
2457	37077	6·9	19	28	3·43	70·63	5	2·328
2458		6·5	19	28	8·			3·614
2459	37070	8·0	19	28	9·02	76·42	5	2·540
2460	37068	8·6	19	28	31·55	77·94	3	2·843
2461	37081	7·1	19	28	43·77	76·21	5	2·839
2462	37057	6·0	19	28	44·83	69·79	6	3·240
2463	37158	8·2	19	29	41·40	74·10	4	2·391
2464	37140	6·0	19	29	45·42	71·00	5	2·733
2465	37150	7·4	19	29	45·86	78·82	5	2·576
2466	37206	7·0	19	30	11·22	72·23	5	1·974
2467	37156	6·8	19	30	13·79	81·16	2	2·835
2468	37216	7·0	19	30	43·28	66·17	5	2·227
2469	37191	6·1	19	30	58·35	77·19	5	2·833
2470	37198	6·1	19	31	9·46	80·63	4	3·178
2471	37242	6·8	19	31	43·65	77·62	5	2·581
2472	37207	6·2	19	31	51·28	69·87	5	3·299
2473	37246	6·7	19	31	51·44	75·80	5	2·656
2474	37274	7·1	19	32	10·25	77·88	4	2·412
2475	37251	8·0	19	32	10·50	81·64	2	+2·889

No.	Mean N.P.D. 1875·0	Epoch.	Obs.	Ann. Prec.	Authorities
2431	77° 45′ 49″·0	81·39	4	7″·01	W 512, Sp 7344, L_4 1427,
2432	71 57 18·2	73·39	5	7·01	R 7467, L_6. [Gl 4794.
2433	72 24 18·9	69·94	5	7·07	W 654, R 7478.
2434	81 23 24·7	76·15	2	7·07	See *Notes*. [L_5 2865.
2435	102 54 5·3	80·58	1	7·07	W 520, Si_4 1743, Sp 7352,
2436	97 17 57·1	72·84	5	7·08	W 522, Si_2, Bn, L_3 3260.
2437	90 0 31·2	70·60	5	7·10	Sp 7356, L_1 6854.
2438	77 47 5·4	80·48	1	7·12	W 545.
2439	52 18 44·3	71·67	2	7·12	
2440	65 15 32·4	69·04	5	7·12	R 7493, Ar 4073. [4290, Gl 4810.
2441	86 48 53·3	71·84	5	7·21	W 573, Si_1, Sp 7376, L_2
2442	67 33 7·6	80·09	4	7·23	R 7500.
2443	77 26 29·1	80·64	2	7·24	Bn, Sp 7381, L_4 1458.
2444	73 32 55·3	77·27	6	7·25	W 717.
2445	72 33 54·0	75·61	5	7·25	W 719.
2446	73 27 30·7	77·88	4	7·26	W 724, Bn, L_6.
2447	84 29 38·1	72·65	5	7·31	W 608, L_2 4313, Gl 4818.
2448	56 31 52·2	69·59	6	7·32	
2449	72 18 19·3	81·32	3	7·35	W 757, R 7552.
2450	80 26 30·8	78·60	4	7·37	L_4 1475.
2451	80 55 47·0	74·61	5	7·37	L_4 1476.
2452	63 38 49·0	73·38	4	7·37	W 770, R 7564.
2453	56 47 31·7	79·62	2	7·39	W 783.
2454	95 0 34·0	70·56	4	7·42	W 646, R, Si_2, L_3 3306.
2455	84 48 6·0	68·12	6	7·48	W 668, Bn, L_2 4359.
2456	68 25 14·8	72·64	5	7·52	W 816.
2457	59 1 54·5	70·61	5	7·52	[19736, L_6
2458	113 34 52·7	66·96	3	7·52	T 8990, Ar 4095, Oe
2459	66 46 15·6	76·42	5	7·52	Bn.
2460	79 33 27·1	77·94	3	7·55	L_4 1503.
2461	79 19 6·4	76·21	5	7·57	[7438, L_3 3324.
2462	97 43 51·2	71·60	5	7·57	W 689, 6 yr 1270, Sp
2463	61 7 11·4	74·10	4	7·65	W 882.
2464	74 39 47·7	71·60	5	7·66	R 7638, L_6.
2465	68 6 53·3	78·82	5	7·66	R 7643, L_6.
2466	48 20 42·2	72·23	5	7·69	
2467	79 7 31·4	81·16	2	7·69	L_4 1519.
2468	55 35 13·0	68·24	5	7·73	W 933.
2469	79 0 15·3	77·19	5	7·75	W 760, L_4 1533, Gl 4853.
2470	94 55 29·6	80·63	4	7·78	R 7668, Ar 4118, RC_2 [1869, L_6 3355.
2471	68 16 22·4	77·62	5	7·81	W 960, R 7690, L_6.
2472	100 26 12·4	69·87	5	7·82	PM 2322, L_5 2947, Y 8417′.
2473	71 18 8·5	75·80	5	7·82	W 965, R 7692.
2474	61 46 36·8	77·88	4	7·85	W 988.
2475	81 31 58·4	81·64	2	−7·85	W 787, L_2 4449, Gl 4859.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
2476	37232	7·0	19h 32m 41s·60	65·96	5	+ 1s·821
2477	37325	6·8	19 32 54·70	73·44	5	2·101
2478	37323	6·5	19 33 3·09	71·25	5	2·220
2479	37335	7·8	19 33 17·86	81·10	2	2·256
2480	37292	7·0	19 33 42·05	70·75	5	3·195
2481	37356	7·5	19 33 51·38	74·60	5	2·302
2482	37384	7·3	19 34 34·29	77·82	5	2·362
2483	37375	7·3	19 34 36·37	76·62	6	2·520
2484	37387	6·7	19 35 0·47	70·43	5	2·622
2485	37410	6·5	19 35 2·60	71·24	5	2·256
2486	37363	7·0	19 35 13·38	72·93	5	3·276
2487	37394	5·8	19 35 18·27	75·99	5	2·778
2488	37415	8·2	19 35 32·02	79·14	4	2·521
2489	37425	6·7	19 35 52·55	77·62	1	2·575
2490	37487	6·7	19 36 38·07	72·24	5	1·943
2491	37465	7·0	19 36 45·33	76·82	5	2·672
2492	37472	7·1	19 36 46·34	69·81	4	2·448
2493	37463	8·0	19 37 7·53	81·31	3	2·989
2494	37495	8·4	19 37 25·37	68·74	6	2·453
2495	37488	7·2	19 37 27·18	76·21	5	2·566
2496	37513	7·1	19 37 50·88	72·04	5	2·522
2497	37527	6·0	19 37 55·88	75·82	4	2·308
2498	37521	7·0	19 38 2·96	78·12	4	2·576
2499	37537	6·2	19 38 14·38	77·10	4	2·359
2500	37504	7·5	19 38 19·98	71·03	5	2·973
2501	37639	8·1	19 40 57·00	79·26	3	2·579
2502		8·6	19 41 5·			2·824
2503	37655	6·5	19 41 24·40	70·76	5	2·513
2504	37686	5·4	19 41 40·79	77·01	5	2·275
2505	37692	6·5	19 41 47·56	75·42	5	2.301
2506	37676	7·0	19 41 53·67	74·00	5	2·598
2507	37667	8·1	19 41 58·98	80·56	2	2·865
2508	37710	6·2	19 42 34·35	72·40	4	2·508
2509	37728	7·2	19 42 55·42	75·41	5	2·444
2510	37730	7·5	19 42 58·27	78·62	2	2·448
2511	37753	6·1	19 43 1·44	71·67	5	2.128
2512	37734	7·3	19 43 6·76	76·97	3	2·518
2513	37766	7·0	19 44 1·48	80·55	1	2·448
2514	37785	7·0	19 44 3·96	76·61	5	2·231
2515	37747	7·0	19 44 11·90	80·58	1	3·178
2516	37758	7·0	19 44 13·55	77·13	2	2·912
2517	37823	7·3	19 45 38·40	73·61	5	2·531
2518	37842	7·5	19 45 43·29	76·22	5	2·209
2519	37819	7·5	19 46 3·19	80·62	1	2·923
2520	37866	7·0	19 46 17·28	72·10	7	+ 2·154

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities
2476	44° 28′ 59″·0	68·60	5	−7″·89	Oe 19440.
2477	51 41 11·5	73·44	5	7·91	R 7727, RC 4394.
2478	55 15 30·0	71·25	5	7·92	
2479	56 23 26·6	79·60	3	7·94	[3379.
2480	95 44 0·0	70·75	5	7·97	W 827, Si_2, R 7730, L_3
2481	57 52 41·5	74·60	5	7·98	R 7749.
2482	59 52 38·8	77·82	5	8·04	
2483	65 44 55·1	76·62	6	8·04	
2484	69 48 38·3	70·43	5	8·08	
2485	56 18 29·8	71·24	5	8·08	
2486	99 28 52·1	76·87	4	8·09	[2978. W 868, Si_2, Sp 7526, L_5
2487	76 28 23·9	75·99	5	8·10	W 884, Gl 4876.
2488	65 43 1·1	79·14	4	8·12	W 1108.
2489	67 50 16·6	77·62	1	8·15	W 1122, L_6.
2490	47 12 45·1	72·24	5	8·21	W 1165.
2491	71 49 38·4	76·82	5	8·22	W 1149, T 9068, Ar 4148,
2492	62 54 35·4	69·74	5	8·22	W 1156. [9yr 1806.
2493	86 7 14·5	81·31	3	8·25	W 927, Sp 7561, L_2 4549.
2494	63 2 26·8	70·37	5	8·27	
2495	67 26 32·8	76·21	5	8·27	
2496	65 41 16·6	72·04	5	8·29	
2497	57 52 5·9	75·82	4	8·31	
2498	67 48 4·0	78·12	4	8·32	L_6.
2499	59 37 7·5	77·10	4	8·33	[7572, L_2 4572, Y 8480.
2500	85 19 8·5	71·03	5	8·34	W 958, PM 2343, Bn, Sp
2501	67 50 4·1	79·26	3	8·55	L_6.
2502	78 23 0·4	66·64	5	8·56	Ar 4163.
2503	65 10 16·6	70·76	5	8·59	
2504	56 33 44·3	77·01	5	8·61	See *Notes*. [2183.
2505	57 25 1·1	75·42	5	8·62	W 1326, PM 2360, N 7yr
2506	68 32 8·0	74·00	5	8·62	W 1321, L_6.
2507	80 16 4·9	80·56	2	8·63	W 1048, L_4 1651.
2508	64 55 25·9	72·40	4	8·68	W 1346.
2509	62 26 50·5	75·41	5	8·71	
2510	62 36 22·8	78·62	2	8·71	9yr 1816.
2511	51 54 2·6	71·67	5	8·71	W 1378, Y 8525.
2512	65 18 0·9	72·88	4	8·72	W 1370.
2513	62 34 22·5	80·55	1	8·79	W 1406. *Note*.
2514	55 0 9·2	76·61	5	8·79	W 1414. [3464.
2515	95 0 34·0	80·58	1	8·81	W 1092, R 7837, Si_2, L_3
2516	82 24 42·5	77·13	2	8·81	Bn, L_3 4666.
2517	65 41 22·5	73·61	5	8·92	W 1458.
2518	54 13 4·7	76·22	5	8·93	
2519	82 51 41·7	80·62	1	8·95	W 1147, L_2 4698.
2520	52 29 28·6	72·10	7	−8·97	

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
2521	37847	5·5	19h	46m	19s·72	70·60	5	+2s·058
2522	37851	7·9	19	46	23·47	76·62	5	2·459
2523	37832	6·0	19	46	45·69	70·98	5	3·144
2524	37868	5·7	19	46	46·05	75·03	5	2·523
2525	37855	6·5	19	47	9·27	78·42	5	2·987
2526	37887	7·1	19	47	10·95	73·82	6	2·439
2527	37917	6·3	19	47	40·83	77·62	3	2·203
2528	37861	5·5	19	48	9·			3·670
2529	37957	5·8	19	48	12·94	71·30	5	1·808
2530	37945	7·3	19	48	41·90	76·61	4	2·485
2531	38029	6·9	19	50	7·24	74·38	4	2·391
2532	38030	7·3	19	50	7·30	80·94	3	2·378
2533	38039	6·0	19	50	14·16	76·87	4	2·190
2534	37994	7·0	19	50	42·79	73·03	5	3·218
2535	38063	7·0	19	51	18·19	72·86	5	2·557
2536	38085	6·8	19	51	19·67	78·62	4	2·086
2537	38068	7·0	19	51	29·44	76·61	5	2·560
2538	38088	6·5	19	51	44·97	75·01	5	2·373
2539	38056	8·5	19	51	53·83	80·61	1	3·169
2540	38048	7·0	19	52	9·45	69·27	3	3·561
2541	38084	8·0	19	52	17·43	70·43	5	2·856
2542	38047	7·1	19	52	23·64	70·15	5	3·045
2543	38100	6·5	19	52	59·58	73·67	6	3·286
2544	38156	6·8	19	52	59·87	77·62	1	2·148
2545	38172	8·0	19	53	9·44	76·97	3	2·150
2546	38130	6·7	19	53	16·57	71·02	5	2·844
2547	38177	5·8	19	53	40·45	70·10	6	2·375
2548	38182	7·0	19	54	0·33	76·23	5	2·469
2549	38202	6·7	19	54	3·91	76·83	5	2·162
2550		8·8	19	54	17·22	80·55	1	2·150
2551	38222	7·0	19	54	52·83	79·60	4	2·510
2552	38233	6·4	19	55	2·11	72·28	5	2·504
2553	38237	8·0	19	55	20·37	74·81	5	2·654
2554		8·2	19	55	23·15	77·62	4	2·480
2555	38214	7·5	19	55	32·97	69·43	6	3·182
2556	38267	6·9	19	56	1·81	71·65	6	2·373
2557	38263	7·5	19	56	6·37	75·64	2	2·780
2558	38242	8·0	19	56	13·71	81·64	2	3·262
2559	38327	6·2	19	56	26·81	73·65	2	2·542
2560	38345	7·3	19	56	35·23	60·56	1	1·589
2561	38302	8·3	19	56	52·20	76·60	1	2·530
2562	38281	7·5	19	56	59·78	71·02	5	2·983
2563	38350	7·1	19	57	41·04	76·33	7	2·449
2564	38370	6·7	19	58	15·30	77·24	5	2·588
2565	38380	6·0	19	58	28·72	71·12	6	+2·413

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2521	49° 43′ 1″·9	69·93	6	−8″·97	W 1497, RC 4469, Y [8546.
2522	62 51 29·2	76·62	5	8·98	W 1482.
2523	93 26 11·5	70·98	5	9·01	T_2, Bn, L_3 3483.
2524	65 19 38·1	75·03	5	9·01	W 1501.
2525	85 55 18·4	78·42	5	9·04	W 1167, Si_1, L_2 4714, Gl [4930.
2526	62 3 59·5	73·82	6	9·04	
2527	53 53 19·5	77·62	3	9·08	
2528	116 37 45·2	67·12	4	9·12	See *Notes*.
2529	43 17 39·1	71·30	5	9·12	Oe 19720.
2530	63 43 51·8	76·61	4	9·16	W 1561.
2531	60 8 0·3	74·38	4	9·27	W 1616.
2532	59 38 30·4	80·94	3	9·27	
2533	53 19 58·3	76·87	4	9·28	
2534	97 1 30·0	73·03	5	9·32	W 1247, L_3 3507.
2535	66 26 37·2	72·86	5	9·36	W 1649.
2536	50 9 28·8	78·62	4	9·36	
2537	66 33 25·5	76·61	5	9·37	W 1652.
2538	59 23 12·6	75·01	5	9·39	W 1671.
2539	94 41 30·5	80·61	1	9·41	W 1272, L_3 3514.
2540	112 32 54·1	69·27	3	9·43	T 9173, Ar 4213, L_6, Y [8606.
2541	79 36 27·1	70·44	5	9·44	W 1290, Sp 7717, L_4 1738.
2542	88 40 7·1	70·15	5	9·45	W 1286, L_1 7192, Gl 4951.
2543	100 16 58·9	73·67	6	9·48	See *Notes*. [4955.
2544	51 52 28·9	77·62	1	9·48	T 9189, Ar 4228, RC 4519, Gl
2545	51 56 4·2	76·97	3	9·50	Ar 4233, RC 4522, Bn.
2546	79 1 57·0	71·02	5	9·51	W 1312, Si_1, L_4 1745, Gl
2547	59 21 16·1	69·09	6	9·54	W 1739. [4956.
2548	62 49 36·6	76·23	5	9·57	W 1749.
2549	52 13 56·5	76·83	5	9·57	W 1766, PM 2392, Y [8628.
2550	51 58 24·6	80·55	1	9·59	
2551	64 23 24·6	79·60	4	9·63	W 1776.
2552	64 9 13·0	72·28	5	9·65	W 1778.
2553	70 20 19·4	74·81	5	9·67	W 1789, R 7898, L_6.
2554	63 12 0·8	77·62	4	9·67	Bn.
2555	95 20 3·9	70·37	5	9·69	R 7893, L_3 3537.
2556	59 6 48·4	71·65	6	9·72	
2557	63 9 17·6	75·64	2	9·73	
2558	99 23 8·5	81·64	2	9·74	W 1386, Sp 7760.
2559	65 32 44·4	73·65	2	9·76	W 1822, Y 8659.
2560	38 11 36·8	60·97	5	9·77	Ar 4255, RC 4554.
2561	65 11 32·7	76·60	1	9·79	
2562	85 37 5·2	71·02	5	9·80	W 1408, L_2 4873.
2563	61 50 1·0	76·33	7	9·85	W 1873.
2564	67 24 32·8	77·24	5	9·89	
2565	60 26 6·5	71·12	6	−9·91	See *Notes*.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
2566	38392	7·5	19h 58m 42s·11	74·65	5	+2s·412
2567	38371	7·2	19 58 50·77	80·00	5	3·036
2568	38374	7·0	19 58 56·86	71·16	8	3·071
2569	38418	7·4	19 59 15·05	79·67	3	2·379
2570	38411	8·0	19 59 27·93	81·14	2	2·706
2571	38389	7·0	19 59 36·88	68·46	5	3·162
2572	38438	6·0	19 59 41·86	75·02	5	2·352
2573	38447	7·5	20 0 19·90	77·68	1	2·594
2574	38442	8·3	20 0 32·97	72·60	5	2·926
2575	38525	6·2	20 0 44·33	68·11	4	1·795
2576	38454	7·2	20 1 11·21	76·42	5	2·806
2577	38480	7·0	20 1 21·59	77·03	5	2·854
2578	38458	7·7	20 1 26·05	72·28	5	3·217
2579		7·0	20 1 37·42	75·97	3	2·749
2580	38506	6·5	20 1 48·96	75·02	5	2·889
2581	38501	8·2	20 1 59·38	80·61	1	3·086
2582	38554	6·0	20 2 40·58	69·93	7	2·862
2583	38592	6·0	20 2 54·18	73·83	6	2·295
2584	38586	8·1	20 3 4·			2·512
2585	38582	7·5	20 3 25·26	80·64	4	2·861
2586	38612	6·5	20 4 4·87	77·29	6	2·910
2587	38670	7·3	20 4 42·65	71·10	7	2·320
2588	38672	7·6	20 4 53·78	74·03	5	2·471
2589	38664	7·5	20 5 17·71	77·03	5	2·905
2590	38691	6·3	20 5 33·39	76·91	4	2·639
2591	38694	7·5	20 5 38·15	75·46	5	2·679
2592	38706	6·0	20 5 53·14	68·62	5	2·622
2593	38758	7·2	20 6 4·33	72·45	4	1·988
2594	38716	8·2	20 6 34·			3·014
2595	38752	8·0	20 6 40·07	80·57	3	2·577
2596	38806	7·1	20 7 33·18	80·90	4	2·187
2597	38813	6·9	20 7 39·92	77·63	5	2·180
2598	38761	9·0	20 7 44·55	68·78	7	3·200
2599	38821	7·0	20 8 18·52	74·63	5	2·571
2600	38800	8·0	20 8 37·89	76·05	5	3·149
2601	38804	7·0	20 8 45·07	77·17	6	3·190
2602	38830	7·0	20 8 52·92	71·25	6	2·871
2603	38896	5·2	20 9 58·08	68·65	5	2·541
2604	38944	7·4	20 10 27·37	71·00	3	2·214
2605	38943	6·2	20 10 32·45	77·56	2	2·331
2606	38972	7·7	20 11 30·39	78·04	5	2·472
2607	38942	8·0	20 11 34·07	73·64	5	3·173
2608	38995	7·5	20 12 41·28	73·46	5	3·036
2609	39018	7·0	20 12 53·76	77·83	6	2·731
2610	39046	7·3	20 12 59·03	80·68	1	+2·545

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2566	60° 21′ 42″·6	74·65	5	—9″·93	W 1915, Bn. [Gl 4992.
2567	88 13 51·5	80·00	5	9·94	W 1453, R 7951, L_1 7267,
2568	89 53 57·2	72·10	7	9·94	W 1456, Bn, L_1 7269,
2569	59 6 35·0	79·67	3	9·97	Bn, Y 8680. [Gl 4994.
2570	72 28 32·3	81·14	2	9·98	
2571	94 25 58·2	70·95	3	10·00	W 1472, L_3 3574.
2572	58 8 4·3	75·02	5	10·00	W 1957.
2573	67 33 32·7	77·68	1	10·05	W 1972, R 7970, L_6.
2574	82 46 51·3	76·15	2	10·07	W 1497, R 7971, Si_1.
2575	42 7 31·6	67·22	5	10·07	Oe 19983.
2576	77 2 4·1	76·42	5	10·12	W 1514, Gl 5003.
2577	79 18 15·1	77·03	5	10·13	L_4 1837.
2578	97 7 16·8	72·28	5	10·13	R 7990, Sp 7824, L_3 3591.
2579	74 17 0·8	75·97	3	10·15	W 2025, R 8001, L_6.
2580	80 57 38·2	75·02	5	10·16	W 1531, R 8004, Si_1, Gl [5010.
2581	90 39 37·2	80·61	1	10·18	W 1532, L_1 7306, Gl 5013.
2582	79 38 12·8	70·65	5	10·23	W 9, R 8022, L_4 1845,
2583	55 56 19·8	73·83	6	10·25	[Gl 5015.
2584	64 0 44·0	67·01	5	10·26	Ar 4284.
2585	79 34 40·9	80·64	4	10·28	W 32, L_4 1852.
2586	81 55 1·9	77·29	6	10·33	See *Notes*.
2587	56 41 6·4	71·99	6	10·38	W 123.
2588	62 5 53·4	74·03	5	10·39	W 130. [5027, Gl 5030.
2589	81 39 9·2	77·03	5	10·42	W 79, R 8072, Si_1, L_2
2590	69 14 10·8	76·91	4	10·44	W 155, R 8079, Ar 4301, [T_2, Gl 5032.
2591	71 0 15·1	75·46	5	10·45	W 159, R 8082.
2592	68 29 42·0	67·81	5	10·47	W 172, R 8090, Bn.
2593	46 25 37·3	72·45	4	10·48	W 207, RC 4619.
2594	87 4 1·5	63·71	3	10·52	W 113, Ar 4305, L_3 7351,
2595	66 27 9·8	80·57	3	10·53	W 212. [Gl 5038.
2596	52 1 5·8	80·90	4	10·59	W 258.
2597	51 55 52·3	77·63	5	10·60	Bn.
2598	96 25 27·6	69·45	6	10·61	W 134, Si_2, L_3 3655.
2599	66 8 20·4	74·63	5	10·65	W 278, PM 2441.
2600	93 52 49·0	76·05	5	10·67	W 166, Si_1, L_3 3663, Gl [5051.
2601	95 54 58·8	77·17	6	10·68	L_3 3665.
2602	79 54 24·1	71·87	5	10·69	L_4 1901.
2603	64 47 19·0	68·65	5	10·77	W 338, T_2, Gl 5063.
2604	52 41 9·6	71·00	3	10·81	W 361, Ar 3331.
2605	56 38 54·1	77·56	2	10·81	W 358.
2606	61 51 39·8	78·04	5	10·89	
2607	95 6 51·2	73·64	5	10·89	W 237, L_3 3690.
2608	88 9 19·9	73·46	5	10·97	See *Notes*.
2609	73 1 37·4	77·83	6	10·99	W 438, R 8181.
2610	64 44 23·4	80·68	1	—10·99	W 448.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
2611	39060	7·8	20h 13m 3s·33	75·07	5	+2·326
2612	39023	8·3	20 13 19·59	70·85	5	3·041
2613	39035	3·5	20 13 58·			3·375
2614	39091	7·2	20 14 3·64	80·62	4	2·451
2615	39078	7·5	20 14 19·49	73·19	2	2·931
2616	39112	7·0	20 14 32·23	76·81	5	2·386
2617	39102	6·2	20 14 40·83	75·04	5	2·723
2618	39117	6·8	20 14 43·67	78·84	5	2·447
2619	39149	6·6	20 14 49·11	68·37	4	1·923
2620	39127	7·0	20 15 13·70	71·87	5	2·626
2621	39108	7·5	20 15 15·67	71·85	5	3·047
2622	39135	5·5	20 16 12·70	73·35	6	3·269
2623	39181	7·4	20 16 25·61	70·66	5	2·428
2624	39134	8·1	20 16 52·08	78·87	4	2·534
2625	39176	5·5	20 16 59·10	75·36	3	2·977
2626	39211	7·3	20 17 15·40	76·92	7	2·536
2627	39196	7·8	20 17 17·80	77·22	5	2·864
2628	39232	6·5	20 17 35·52	81·00	3	2·413
2629	39251	6·5	20 17 37·36	70·54	6	2·122
2630	39239	6·8	20 18 8·92	79·05	5	2·764
2631	39270	7·3	20 18 50·53	77·60	3	2·762
2632	39294	7·4	20 18 59·47	74·27	5	2·473
2633	39313	6·0	20 19 3·65	70·05	5	2·242
2634	39304	6·5	20 19 43·34	72·12	5	2·886
2635	39329	5·6	20 20 9·01	76·03	5	2·652
2636	39326	6·5	20 20 10·32	80·58	3	2·809
2637	39343	6·5	20 20 40·72	77·31	3	2·740
2638	39337	7·5	20 21 8·06	71·42	5	3·188
2639	39366	7·5	20 21 39·61	73·16	6	3·260
2640	39408	7·5	20 21 52·21	79·85	5	2·444
2641	39426	6·7	20 22 14·82	67·90	5	2·341
2642	39432	7·2	20 22 42·04	73·89	5	2·639
2643	39464	7·3	20 22 55·36	71·29	5	2·070
2644	39428	8·2	20 22 57·69	78·43	5	2·882
2645	39459	7·2	20 23 9·12	76·63	5	2·355
2646	39496	7·4	20 23 50·49	72·03	5	2·198
2647	39462	6·8	20 23 54·83	80·61	1	2·884
2648	39502	4·2	20 24 17·02	77·15	8	2·450
2649	39506	7·0	20 24 36·77	69·06	5	2·700
2650	39509	8·0	20 25 19·03	80·55	1	3·186
2651	39558	7·7	20 25 38·92	76·62	5	2·541
2652	39591	6·5	20 25 51·52	71·10	6	1·978
2653	39540	8·2	20 25 58·21	74·41	4	3·038
2654	39570	6·5	20 26 0·50	78·65	5	2·649
2655	39542	7·5	20 26 0·56	80·65	2	+3·040

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2611	56° 17′ 53″·1	75·07	5	−11″·00	W 461, Bn.
2612	88 23 48·9	70·88	4	11·02	W 292, Sp 7958, L_1 7439.
2613	105 10 27·5	67·60	4	11·07	See *Notes*.
2614	60 53 30·5	80·62	4	11·07	W 488. [5086.
2615	82 46 39·7	80·63	1	11·09	W 327, Si_1, L_2 5157, Gl
2616	58 20 39·2	76·81	3	11·11	W 504.
2617	72 35 56·4	75·04	5	11·12	R 8206, L_6.
2618	60 39 56·4	78·84	5	11·12	W 508.
2619	44 4 7·5	66·10	5	11·13	Oe 20366, RC 4725.
2620	68 7 2·0	71·87	5	11·16	W 517, L_6.
2621	88 43 28·0	71·85	5	11·16	W 345, Si_1, Bn, L_1 7466.
2622	100 3 8·7	74·90	5	11·23	L_5 3198.
2623	59 48 28·0	70·66	5	11·25	W 571.
2624	64 3 34·6	80·58	2	11·28	W 586.
2625	85 3 18·4	75·36	3	11·29	W 392, R 8232, Si_1, T_2, [Y 8842, Gl 5101.
2626	64 6 2·1	76·92	7	11·30	W 600.
2627	79 18 52·2	77·22	5	11·30	L_4 1984.
2628	59 7 3·2	81·00	3	11·33	
2629	49 15 59·2	69·26	7	11·33	RC 4744.
2630	74 21 18·2	79·05	5	11·37	R 8255, L_6.
2631	74 15 34·2	77·60	3	11·42	L_6.
2632	61 24 8·3	74·27	5	11·43	
2633	52 55 34·3	70·14	6	11·44	W 665. [Gl 5119.
2634	80 20 55·7	72·12	5	11·48	W 465, L_4 2016, 9yr 1897,
2635	68 59 47·5	76·03	5	11·51	R 8285, L_6.
2636	76 29 40·0	80·58	3	11·51	W 473, R 8282, L_4 2022,
2637	73 5 33·0	77·31	3	11·55	W 706. [Gl 5121.
2638	96 3 52·9	71·42	5	11·58	L_3 3793.
2639	99 46 57·1	74·68	5	11·62	W 507, Si_2, Sp 8056, L_5
2640	60 2 26·2	79·85	5	11·64	W 747. [3244.
2641	56 4 53·8	66·06	5	11·66	W 757.
2642	68 16 31·4	73·89	5	11·69	L_6.
2643	47 15 51·7	71·29	5	11·71	
2644	80 4 55·2	78·43	5	11·71	R 8321, L_4 2055.
2645	56 31 29·7	76·63	5	11·73	W 786.
2646	51 5 9·6	72·03	5	11·78	
2647	80 6 47·3	80·61	1	11·78	L_4 2063.
2648	60 2 52·0	77·36	7	11·81	See *Notes*.
2649	70 59 45·9	69·89	4	11·83	W 823, R 8359.
2650	96 1 26·6	80·55	1	11·88	W 597, R 8366, L_3 3835, [Gl 5151.
2651	63 43 59·6	76·62	5	11·90	W 856.
2652	44 29 43·5	71·90	5	11·92	See *Notes*. [5156.
2653	88 12 6·3	74·67	5	11·92	W 620, Si_1, L_1 7618, Gl
2654	68 31 33·0	78·65	5	11·93	W 868, L_6.
2655	88 17 20·1	80·65	2	−11·93	W 622, L_1 7619, Gl 5157.

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
2656	39593	6·5	20h	26m	14s·25	74·50	5	+ 2s·277
2657		8·5	20	26	23·			1·853
2658	39595	6·0	20	26	37·22	68·02	5	2·563
2659	39612	7·0	20	26	42·14	79·87	5	2·351
2660	39599	8·4	20	26	43·58	71·64	5	2·574
2661	39644	7·1	20	27	34·33	73·08	5	2·532
2662	39637	7·5	20	27	52·36	75·52	6	2·891
2663	39639	8·0	20	28	7·77	80·61	1	3·093
2664	39672	7·5	20	28	12·81	76·43	5	2·478
2665	39692	7·5	20	28	30·82	70·86	5	2·393
2666	39681	6·2	20	28	35·69	78·63	5	2·673
2667	39724	7·2	20	29	8·14	70·63	5	2·348
2668	39699	7·2	20	29	20·94	73·89	5	2·951
2669	39690	7·6	20	29	22·10	71·19	6	3·080
2670	39676	7·0	20	29	22·78	80·64	2	3·314
2671	39740	6·7	20	29	43·35	77·03	5	2·407
2672	39763	7·0	20	30	30·77	78·44	5	2·761
2673	39813	6·7	20	30	50·51	73·23	5	2·138
2674	39760	6·6	20	30	53·74	69·95	6	3·078
2675	39756	7·0	20	31	5·71	81·67	1	3·287
2676	39790	7·6	20	31	23·97	77·47	5	2·960
2677	39788	8·0	20	31	33·82	71·69	7	3·161
2678	39798	8·5	20	31	46·17	80·93	3	3·164
2679	39827	7·0	20	32	30·03	74·47	6	3·171
2680	39885	6·0	20	32	41·36	71·01	6	2·254
2681	39855	5·5	20	32	49·96	69·64	5	2·832
2682	39833	5·0	20	32	55·			3·426
2683	39905	6·0	20	33	37·37	71·29	5	2·662
2684	39934	7·0	20	33	56·68	76·24	5	2·248
2685	39923	7·3	20	33	59·15	73·70	4	2·570
2686	39897	7·5	20	34	0·35	78·84	5	3·017
2687	39948	7·5	20	34	28·72	80·65	2	2·460
2688	39944	7·5	20	34	51·			2·809
2689	39967	7·2	20	35	1·74	73·90	5	2·343
2690	39956	6·5	20	35	6·12	77·85	5	2·703
2691	39939	7·0	20	35	33·13	80·61	1	3·421
2692		8·0	20	35	35·			1·472
2693	40001	7·3	20	36	14·67	77·69	4	2·616
2694	40064	7·9	20	38	1·61	80·67	2	2·588
2695	40083	6·4	20	38	30·60	74·10	5	2·347
2696	40081	6·1	20	38	57·50	78·46	5	2·856
2697	40103	7·4	20	39	9·82	73·47	5	2·241
2698	40073	8·0	20	39	28·48	81·72	1	3·444
2699	40088	7·0	20	39	35·80	76·65	5	3·087
2700	40097	7·2	20	39	48·33	70·86	5	+ 2·948

No.	Mean N.P.D. 1875·0	Epoch.	Obs.	Ann. Prec.	Authorities.
2656	53° 29′ 4″·8	74·50	5	−11″·94	W882,Ar4406,9yr1910.
2657	41 22 17·2	66·37	3	11·96	Ar 4409, Oe 20647.
2658	64 36 59·7	68·86	5	11·97	R 8394.
2659	56 5 22·8	79·87	5	11·98	W 900.
2660	65 4 14·3	71·64	5	11·98	W 892.
2661	63 12 44·1	73·08	5	12·04	W 920, R 8409.
2662	80 21 58·9	77·67	5	12·06	L_4 2113.
2663	91 6 7·3	80·61	1	12·08	W 683, Si_2, Si_5 1206, L_1
2664	60 54 2·4	76·43	5	12·08	[7648 Gl 5167
2665	57 31 5·5	70·86	5	12·10	W 957, R 8433.
2666	69 26 30·5	78·63	5	12·11	W 949, R 8432.
2667	55 44 54·2	70·63	5	12·15	
2668	83 28 58·9	73·89	5	12·16	L_2 5383. [Gl 5171.
2669	90 25 49·6	72·31	5	12·16	W715, $Si_5$1207, $L_1$7667,
2670	102 48 44·9	80·62	2	12·16	W711, R 8437, Si_4 1872,
					[Sp 8153, L_5 3301.
2671	57 55 24·4	77·03	5	12·19	
2672	73 37 3·4	78·44	5	12·24	R 8467, L_6.
2673	48 32 30·2	75·23	5	12·27	T_2. [5179
2674	90 20 10·6	69·95	6	12·27	W 754, Si_1, L_1 7687, Gl
2675	101 27 59·6	81·67	1	12·28	W755, R 8471, Si_3 2299,
					[L_5 3317, Y8952.
2676	83 56 1·7	77·47	5	12·30	W 773, Si_1, L_2 5410, Gl 5186.
2677	94 49 1·2	72·62	6	12·32	W772, Si_2, L_3 3887, Gl 5187.
2678	94 56 52·2	77·59	4	12·33	W780,Sp 8177, L_3 3890.
2679	95 22 2·7	76·24	5	12·38	W 799, Si_2, L_3 3900.
2680	52 6 19·8	71·01	6	12·39	
					[N7yr 2329, Gl 5194.
2681	77 7 21·0	69·64	5	12·40	W815, T 9529, 7yr 1702,
2682	108 34 35·6	67·59	2	12·41	See *Note*.
2683	68 37 19·5	71·29	5	12·46	W 1116.
2684	51 47 48·9	76·24	5	12·48	W 1140, *Note*.
2685	64 22 5·8	73·72	5	12·48	W 1135.
2686	87 0 0·0	78·84	5	12·48	W 843, Si_1, Sp 8207, L_1
2687	59 37 30·1	80·65	2	12·52	W 1154. [7719.
2688	75 54 57·2	58·67	2	12·54	Ar 4449, L_4 2186.
2689	55 3 7·9	73·90	5	12·55	W 1172.
2690	70 31 3·9	77·85	5	12·56	W 1164, L_6.
					[Y9004.
2691	108 33 18·7	80·61	1	12·59	T 9550, Ar 4451, L_6,
2692	33 1 33·1	67·65	2	12·59	Oe 20909, Ar 4456.
2693	66 15 44·5	74·28	5	12·64	W 1198.
2694	64 50 49·2	74·00	3	12·76	
2695	54 51 41·8	74·10	5	12·79	W 1276.
2696	78 8 24·0	78·46	5	12·82	PM 2515.
2697	50 59 26·9	73·47	5	12·83	W 1301.
2698	109 53 33·6	81·72	1	12·85	Oe 20839, L_6, Y9046.
2699	90 47 39·4	76·65	5	12·86	W 991, Si_2, L_1 7786.
2700	83 4 31·9	70·86	5	−12·88	L_2 5538.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
2701	40125	7·1	20h 41m 19s·83	77·32	3	+3s·417
2702	40172	7·2	20 41 42·34	69·05	5	2·437
2703	40160	7·3	20 41 43·82	72·52	5	2·893
2704	40164	6·8	20 42 7·83	77·35	5	3·016
2705	40170	7·5	20 42 13·16	75·31	5	2·945
2706	40193	7·0	20 42 32·87	68·73	5	2·552
2707	40182	6·8	20 42 51·51	71·00	6	3·090
2708	40212	7·7	20 43 0·45	72·96	5	2·652
2709	40184	8·0	20 43 9·32	76·67	5	3·200
2710	40249	6·7	20 43 17·00	73·20	5	2·258
2711	40229	6·4	20 43 46·11	80·64	4	2·982
2712	40234	7·2	20 43 46·86	77·50	6	2·875
2713	40280	7·7	20 44 16·01	78·96	3	2·273
2714	40277	7·5	20 44 16·18	72·92	4	2·364
2715	40328	6·0	20 44 56·29	73·72	2	1·811
2716	40316	7·0	20 45 50·22	71·09	5	2·926
2717	40334	6·8	20 45 56·59	70·06	5	2·389
2718		8·4	20 46 0·95	75·69	1	2·394
2719	40311	7·0	20 46 25·67	81·72	1	3·420
2720		7·5	20 46 40·49	80·54	1	3·533
2721	40369	8·0	20 46 44·13	74·69	5	2·266
2722	40367	6·7	20 46 54·97	70·30	5	2·439
2723	40373	7·5	20 47 3·79	72·96	5	2·395
2724	40352	7·5	20 47 11·76	76·31	5	3·028
2725	40381	7·0	20 47 26·11	79·46	4	2·619
2726	40354	7·5	20 47 30·02	71·02	6	3·160
2727	40393	8·0	20 47 40·27	77·67	5	2·524
2728	40403	6·6	20 47 52·51	73·11	4	2·517
2729	40405	6·7	20 48 40·51	73·85	6	3·104
2730	40450	7·3	20 49 45·55	70·67	3	3·142
2731	40506	7·2	20 50 17·12	75·68	5	2·452
2732	40484	7·7	20 50 26·38	65·66	1	3·052
2733	40515	8·0	20 50 34·82	72·93	5	2·544
2734	40518	7·2	20 50 40·69	67·31	5	2·569
2735	40492	7·2	20 50 41·05	76·78	2	2.250
2736	40538	7·7	20 50 49·82	78·03	3	2·292
2737	40590	6·7	20 51 32·33	73·51	5	2·130
2738	40577	6·5	20 51 45·96	76·67	5	2·178
2739	40522	7·0	20 51 46·43	80·68	1	3·334
2740	40572	7·0	20 52 12·56	81·69	2	2·597
2741	40604	7·8	20 52 12·65	71·67	4	2·179
2742	40588	6·5	20 52 13·56	77·24	5	2·392
2743		5·1	20 52 41·09	70·80	4	2·681
2744	40600	8·0	20 52 41·48	80·67	1	2·650
2745	40601	7·0	20 52 44·99	79·86	6	+2·667

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2701	108° 39′ 38″·3	75·64	4	−12″·98	PM 2519, Oe 20861, L_6, Y
2702	58 2 12·1	67·86	5	13·00	W 1355. [9062, 9yr 1942.
2703	79 59 31·4	72·52	5	13·00	W 1049, L_4 2255.
2704	86 48 39·5	77·35	5	13·03	See *Notes*.
2705	82 51 53·9	75·31	5	13·04	W 1060, Si_1. Gl 5253.
2706	62 51 49·0	69·71	4	13·06	W 1376, Bn. [5258.
2707	91 1 26·2	71·30	5	13·08	W 1069, Si_2, L_1 7832, Gl
2708	67 26 56·2	72·96	5	13·09	
2709	97 9 36·4	76·67	5	13·10	W 1075, Si_2, L_2 3990.
2710	51 10 21·3	73·20	5	13·11	W 1407, R 8570, Y 9092.
2711	84 55 6·8	80·64	4	13·14	L_2 5591.
2712	78 58 5·1	77·50	6	13·14	W 1101, Gl 5268.
2713	51 35 51·9	78·96	3	13·17	W 1439.
2714	54 53 53·4	72·92	4	13·17	Y 9108.
2715	38 33 9·4	73·72	2	13·22	Oe 21161.
2716	81 41 42·1	71·09	5	13·28	L_2 5612.
2717	55 42 46·3	70·06	5	13·28	W 1470.
2718	55 58 27·4	75·69	1	13·29	W 1474.
2719	109 35 2·2	81·72	1	13·31	Oe 20928, L_6. [St 11116.
2720	114 45 3·6	80·54	1	13·34	Oe 20933, L_6, Y 9122,
2721	51 4 31·8	74·69	5	13·34	W 1493.
2722	57 37 10·9	70·30	5	13·35	W 1494.
2723	55 48 40·8	72·96	5	13·36	
2724	87 28 9·0	76·31	5	13·37	W 1182, Sp 8355, Gl 5251.
2725	65 33 20·6	79·46	4	13·38	W 1505.
2726	95 0 53·5	71·49	5	13·39	W 1187, T 9657, Si_2, Sp
2727	61 8 21·4	77·67	5	13·40	W 1509. [8358, L_2 4030.
2728	60 49 11·3	73·11	4	13·41	W 1518.
2729	91 50 54·3	75·50	5	13·46	See *Notes*.
2730	94 2 20·9	70·67	3	13·53	W 1240, Sp 8384, L_2 [4053, Gl 5295.
2731	57 47 14·5	75·68	5	13·57	W 1583.
2732	88 45 20·5	67·57	1	13·58	See *Notes*.
2733	61 46 37·5	72·93	5	13·58	
2734	62 54 9·2	66·30	5	13·59	W 1596.
2735	50 10 37·0	76·78	2	13·59	
2736	51 34 29·7	78·03	3	13·60	
2737	46 6 18·9	73·51	5	13·65	Bn, B 456.
2738	47 42 35·9	76·67	5	13·66	W 1630.
2739	104 57 51·2	80·68	1	13·66	W 1293, Si_4 1919, L_6.
2740	64 4 45·1	81·69	2	13·69	W 1631.
2741	47 35 33·5	71·66	3	13·69	See *Notes*.
2742	55 10 9·6	77·24	5	13·69	W 1636. [2366, Gl 5307.
2743	68 9 22·3	70·49	6	13·72	T 9703, Ar 4527, N 7yr
2744	66 35 13·8	80·67	1	13·72	
2745	67 26 10·5	79·86	6	−13·72	W 1644.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
2746	40626	6·7	20h 53m 0s·63	73·12	5	+2s·512
2747	40649	6·5	20 53 54·63	73·51	5	2·952
2748	40657	6·2	20 54 1·97	77·92	5	2·788
2749	40706	7·0	20 54 26·17	70·71	5	2·151
2750	40671	7·3	20 54 28·66	76·34	3	2·730
2751	40720	5·5	20 54 29·65	70·08	5	1·920
2752	40705	7·0	20 54 49·88	74·83	5	2·468
2753	40735	7·3	20 55 5·51	70·53	5	2·148
2754	40688	7·0	20 55 35·01	80·39	4	3·294
2755	40764	6·2	20 56 14·44	70·85	6	2·386
2756	40758	7·6	20 56 20·03	77·45	5	2·570
2757	40754	7·9	20 56 22·07	79·53	4	2·661
2758	40739	7·2	20 56 24·68	68·50	6	3·024
2759	40755	7·2	20 56 39·91	73·49	5	2·883
2760	40788	7·1	20 57 15·32	74·09	5	2·605
2761	40805	7·0	20 57 17·03	69·70	7	2·158
2762	40799	7·7	20 57 29·31	77·10	6	2·568
2763	40806	7·0	20 58 24·49	73·37	6	3·043
2764	40827	8·2	20 58 43·11	77·14	5	2·933
2765	40818	7·8	20 58 43·71	80·68	1	3·038
2766	40826	8·0	20 58 58·44	69·19	6	3·153
2767	40828	6·2	20 59 14·97	79·33	5	2·981
2768	40873	7·0	20 59 55·05	69·50	5	2·822
2769	40938	7·6	20 59 55·54	74·62	1	2·413
2770	40869	7·0	21 0 8·48	76·40	5	3·082
2771	40866	7·5	21 0 15·17	80·61	1	3·347
2772	40884	7·3	21 0 55·57	71·45	4	3·093
2773	40955	6·5	21 1 41·00	78·94	4	2·818
2774	40977	7·7	21 2 30·11	70·87	5	3·051
2775	40999	7·0	21 2 51·54	75·90	5	2·956
2776	41039	7·7	21 3 3·24	78·27	4	2·074
2777	41030	7·9	21 3 12·70	72·73	5	2·343
2778	41064	7·8	21 3 40·62	71·70	5	2·197
2779	41044	6·6	21 4 0·97	76·11	5	2·758
2780	41090	7·8	21 4 4·58	69·65	2	2·196
2781	41098	7·7	21 4 8·59	80·61	1	2·080
2782	41091	7·3	21 4 47·17	74·31	5	2·745
2783	41143	6·8	21 5 29·19	69·50	6	2·150
2784	41146	7·8	21 5 45·33	75·67	5	2·340
2785	41155	6·5	21 6 2·10	71·91	6	2·409
2786	41165	7·0	21 6 38·36	68·10	5	2·540
2787	41156	7·7	21 6 44·26	78·08	5	2·957
2788	41230	7·5	21 7 34·34	77·67	1	2·354
2789	41239	6·8	21 7 49·75	75·88	5	2·426
2790	41241	8·0	21 8 47·54	78·67	1	+3·176

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2746	60° 5′ 15″·1	73·12	5	−13″·74	W 1655.
2747	82 58 12·4	73·51	5	13·80	R 8750, L_2 5708, Y 9184.
2748	73 39 40·0	77·92	5	13·81	R 8751, L_6.
2749	46 25 30·0	67·50	6	13·84	RC 5052.
2750	70 31 34·5	74·15	4	13·84	W 1683, R 8757, L_6.
2751	40 1 22·6	70·08	5	13·84	See *Notes*.
2752	57 59 24·6	74·83	5	13·86	W 1695.
2753	46 15 34·7	71·97	4	13·87	[3478, Y 9197.
2754	102 56 10·5	80·39	4	13·90	W 1394, Si_4 1926, L_5
2755	54 27 46·8	71·29	5	13·95	W 1731.
2756	62 23 15·9	77·45	5	13·95	
2757	66 49 27·1	79·53	4	13·95	R 8802. [5323.
2758	87 8 24·7	70·15	4	13·95	W 1414, Si_1, L_1 7998, Gl
2759	78 50 4·5	73·49	5	13·97	W 1428, Sp 8460, L_4 2415,
2760	63 59 2·1	74·09	5	14·01	W 1756, Bn. [Gl 5326.
2761	46 18 5·0	71·21	6	14·02	R 8835.
2762	62 10 10·1	77·10	6	14·02	W 1764.
2763	88 13 24·1	73·48	5	14·08	L_1 8024.
2764	81 39 18·8	77·14	5	14·10	L_2 5753.
2765	87 56 56·5	80·68	1	14·10	W 1471, L_1 8032.
2766	94 51 31·4	70·07	5	14·12	W 1475, Si_2, Sp 8484.
2767	84 32 5·7	79·40	6	14·13	12yr 1883, RC_2 2054, L_2
2768	75 10 4·5	67·34	6	14·17	L_4 2449. [5761.
2769	55 4 7·0	74·59	2	14·17	W 1829.
2770	90 36 16·9	76·40	5	14·19	W 1503, Si_2, Bn, L_1 8046, [Gl 5345.
2771	106 14 32·9	80·61	1	14·20	See *Notes*.
2772	91 16 0·6	71·45	4	14·20	W 1526, L_1 8055.
2773	74 50 29·3	78·94	4	14·28	W 1553, R 8894, L_6.
2774	88 42 59·6	70·87	5	14·33	W 1570, L_1 8076, Gl 5364.
2775	82 54 57·8	75·90	5	14·36	L_2 5799.
2776	43 13 32·2	78·27	4	14·37	Oe 21687.
2777	51 58 32·3	72·73	5	14·38	RC_2 2063.
2778	46 45 32·3	70·65	6	14·41	
2779	71 17 58·3	76·11	5	14·42	W 38.
2780	46 40 42·6	65·50	5	14·43	W 51, Ar 4581.
2781	43 14 52·9	80·61	1	14·43	Oe 21723.
2782	70 32 54·0	74·31	5	14·47	W 62, R 8956.
2783	45 0 21·3	70·06	5	14·52	R 8972.
2784	51 32 52·8	75·67	5	14·53	W 92.
2785	54 12 38·3	71·91	6	14·55	
2786	59 53 36·2	66·28	5	14·58	W 116, R 8992, Ar 4586.
2787	82 49 8·5	78·08	5	14·59	W 96, L_2 5835, Gl 5385.
2788	51 56 47·1	77·67	1	14·64	Y 9273.
2789	54 42 56·3	75·88	5	14·66	W 154, Y 9275.
2790	96 31 33·5	78·67	1	−14·71	W 147, L_3 4191.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
2791	41269	7·0	21h 8m 49s·73	68·88	5	+2s·561
2792	41259	6·8	21 8 54·34	71·34	5	2·812
2793	41290	7·5	21 9 50·27	78·58	5	2·897
2794	41299	6·5	21 9 51·49	75·27	5	2·809
2795	41347	7·1	21 10 1·97	71·99	4	1·908
2796	41312	7·2	21 10 7·07	73·49	4	2·758
2797	41293	7·5	21 10 11·54	71·94	5	3·106
2798	41287	7·0	21 10 13·86	81·67	1	3·242
2799	41291	7·0	21 10 22·72	74·66	5	3·294
2800	41326	6·7	21 10 25·76	70·91	5	2·653
2801	41338	7·5	21 10 57·48	77·25	5	2·857
2802		8·3	21 11 9·86	78·80	2	2·896
2803	41380	6·3	21 11 15·01	69·50	6	2·094
2804	41344	8·0	21 11 16·28	79·36	5	2·951
2805	41376	7·0	21 11 35·89	69·53	5	2·426
2806	41386	7·0	21 12 32·57	77·18	2	2·898
2807	41420	6·5	21 13 5·12	71·28	5	2·673
2808	41439	8·2	21 13 29·16	75·47	4	2·647
2809	41428	7·0	21 13 32·77	76·59	5	2·932
2810	41448	7·3	21 14 4·33	70·33	5	2·877
2811	41493	7·3	21 14 22·38	79·93	5	2·374
2812	41476	6·0	21 14 33·24	71·86	6	2·724
2813	41486	8·5	21 15 4·19	81·75	1	3·037
2814	41557	7·8	21 16 4·13	71·75	1	2·312
2815	41554	6·0	21 16 6·00	77·88	2	2·522
2816	41533	7·2	21 16 16·59	81·15	2	3·035
2817	41569	7·8	21 17 12·81	78·74	5	2·935
2818	41588	6·5	21 17 19·36	69·10	5	2·573
2819	41585	7·2	21 17 37·49	76·71	5	2·863
2820	41610	7·7	21 17 45·23	71·92	5	2·588
2821	41624	7·0	21 17 47·55	71·15	5	2·391
2822	41619	8·0	21 17 54·68	74·45	5	2·585
2823	41627	7·5	21 17 55·17	72·80	4	2·389
2824	41650	7·0	21 18 8·82	73·04	3	2·075
2825	41615	6·5	21 18 18·45	77·11	5	+2·925
2826	41852	6·3	21 18 27·25	64·76	1	−2·220
2827	41637	6·5	21 18 32·86	80·36	3	+2·672
2828	41601	7·0	21 18 32·97	80·69	3	3·302
2829	41648	6·2	21 18 46·65	81·75	1	2·686
2830	41674	7·0	21 19 14·64	69·99	4	2·663
2831	41655	6·3	21 19 27·50	65·65	1	3·072
2832	41684	7·0	21 19 29·77	73·36	5	2·635
2833	41686	7·9	21 19 39·65	80·61	1	2·690
2834	41697	7·3	21 19 54·75	78·36	5	2·597
2835	41700	8·5	21 20 26·79	74·24	2	+2·999

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2791	60° 36′ 54″·1	68·06	5	−14″·72	Y 9281.
2792	74 2 15·6	71·34	5	14·72	
2793	79 2 22·1	78·58	5	14·76	Bn.
2794	73 47 18·5	75·27	5	14·77	R 9061, L_6.
2795	37 48 17·7	68·50	5	14·79	
2796	70 48 18·4	73·36	5	14·79	W 207, R 9068, L_6.
2797	92 7 39·4	71·94	5	14·80	W 187, Si_5 1216, L_1 8176.
2798	100 39 19·8	81·67	1	14·80	See *Notes*. [L_8 3576.
2799	103 47 59·3	74·66	5	14·81	W 188, R 9065, Si_4 1960,
2800	65 5 4·4	70·91	5	14·82	W 212, R 9074.
2801	76 34 7·1	77·25	5	14·84	W 211, Gl 5408.
2802	78 57 43·8	78·80	2	14·85	W 215, Sp 8601, L_4 2543.
2803	42 32 45·7	68·90	6	14·86	Oe 21933.
2804	82 17 16·2	79·36	5	14·86	L_2 5887.
2805	54 11 57·9	69·35	5	14·88	
2806	78 57 14·9	74·47	4	14·93	See *Notes*.
2807	65 51 55·1	71·28	5	14·97	W 284.
2808	64 26 6·1	75·47	4	14·99	[L_2 5902, Gl 5420.
2809	81 0 5·2	76·59	5	14·99	W 271, PM 2583, R, Si_2, Sp 8621,
2810	77 33 54·4	71·32	5	15·02	W 293, Gl 5423.
2811	51 43 13·7	79·93	5	15·04	W 322, Y 9318.
2812	68 30 8·2	73·10	5	15·05	W 319.
2813	87 38 32·7	81·75	1	15·08	W 315, Gl 5430.
2814	49 5 15·7	71·75	1	15·14	W 366.
2815	57 55 2·5	72·13	3	15·14	W 360.
2816	87 36 50·9	81·15	2	15·15	[5442. W 347, Si_1, L_1 8253, Gl
2817	81 4 47·5	78·74	5	15·20	L_2 5938.
2818	60 13 26·8	69·28	5	15·21	W 395.
2819	76 29 3·8	76·71	5	15·22	
2820	60 53 21·5	71·93	5	15·23	W 404.
2821	51 53 54·9	71·15	5	15·24	Y 9350.
2822	60 43 17·1	74·45	5	15·24	W 410.
2823	51 49 34·0	72·82	5	15·24	Y 9353.
2824	41 2 30·4	69·95	4	15·25	Oe 22146, RC 5211.
2825	80 21 44·3	77·11	5	15·27	W 396, Si_1, L_4 2620.
2826	9 17 43·6	64·76	1	15·28	RC 5228.
2827	65 13 26·7	80·36	3	15·28	[1979, L_5 3625.
2828	104 48 52·8	77·35	5	15·18	W 392, Oe 21375, Si_4
2829	66 0 26·9	81·75	1	15·29	
2830	64 39 24·6	68·12	5	15·32	[8295, Gl 5458.
2831	90 0 17·8	64·76	1	15·33	W 420, Bn, Sp 8674, L_1
2832	63 7 10·3	73·36	5	15·33	
2833	66 2 49·1	80·61	1	15·34	W 454.
2834	61 4 36·2	78·36	5	15·36	W 459.
2835	85 5 24·8	73·74	1	−15·39	See *Notes*.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
2836	41710	6·7	21h 20m 37s·89	70·36	5	+2s·779
2837	41712	7·3	21 20 49·32	76·71	5	2·919
2838	41723	7·0	21 21 2·52	74·55	6	2·999
2839	41734	6·5	21 21 13·00	71·54	5	2·834
2840	41779	7·5	21 21 40·27	72·85	1	1·968
2841	41761	8·0	21 22 0·92	74·09	5	2·633
2842	41759	7·0	21 22 4·84	76·73	5	2·743
2843	41767	5·4	21 22 9·51	71·35	5	2·638
2844	41756	6·5	21 22 15·06	79·18	3	2·958
2845	41808	5·8	21 22 37·67	72·76	1	1·973
2846	41787	5·8	21 22 47·72	78·55	4	2·549
2847	41814	6·5	21 23 7·79	60·30	7	2·670
2848	41799	5·5	21 23 17·09	73·43	4	2·737
2849	41820	6·8	21 23 47·32	80·63	2	2·623
2850	41835	7·5	21 24 53·08	67·20	2	3·224
2851	41897	6·7	21 24 59·84	64·93	1	2·209
2852	41869	6·0	21 25 6·92	73·45	4	2·901
2853	41870	6·5	21 25 34·92	71·73	4	3·261
2854	41913	7·3	21 25 43·54	72·98	4	2·434
2855	41957	6·7	21 27 11·84	69·42	6	2·768
2856	42004	6·5	21 27 15·49	68·47	3	2·014
2857	41981	7·0	21 27 31·08	75·28	5	2·552
2858	41978	7·0	21 27 35·94	72·94	5	2·755
2859	41961	8·5	21 27 44·50	80·29	5	3·129
2860	41996	7·8	21 28 5·70	76·71	4	2·822
2861	41958	7·0	21 28 6·			3·438
2862	42031	7·2	21 28 54·16	72·25	6	2·810
2863	42052	6·7	21 29 26·10	67·87	5	2·761
2864	42065	7·0	21 29 39·20	79·32	3	2·578
2865	42083	7·2	21 29 44·33	76·33	5	2·342
2866	42068	6·7	21 29 46·65	77·84	5	2·645
2867	42054	7·5	21 29 59·26	72·37	5	3·152
2868	42095	8·2	21 30 37·59	70·78	5	2·853
2869	42109	7·0	21 31 2·30	79·45	3	2·912
2870		6·2	21 31 8·52	74·10	5	3·087
2871	42125	7·0	21 31 14·29	77·00	3	2·790
2872	42153	6·7	21 31 17·28	73·13	5	2·269
2873	42156	6·2	21 32 16·19	71·22	4	2·999
2874	42160	7·0	21 32 44·94	74·17	5	3·230
2875	42200	6·7	21 33 7·21	71·78	5	2·700
2876	42199	6·0	21 33 11·43	70·47	4	2·785
2877	42241	7·7	21 33 34·61	72·15	5	2·336
2878	42221	7·1	21 33 42·10	74·49	4	2·718
2879	42213	7·2	21 33 52·59	67·88	5	2·952
2880	42243	7·5	21 34 27·22	78·71	5	+2·932

No.	Mean N.P.D. 1875·0	Epoch.	Obs.	Ann. Prec	Authorities.
2836	71° 9′ 52″·4	70·30	5	−15″·40	W 466, R 9182, T_2, L_6.
2837	79 52 11·2	76·71	5	15·41	W 457, L_4 2640, Gl 5471.
2838	85 8 54·5	74·55	6	15·42	W 461, Si_1, L_2 5975, Gl 5472.
2839	74 24 49·4	71·54	5	15·43	W 468, R 9185, L_6, Gl 5473.
2840	37 40 45·0	66·38	2	15·46	R 9193, Oe 22256, RC [5233.
2841	62 40 6·7	74·09	5	15·48	W 505.
2842	68 48 28·6	76·73	5	15·48	W 503. [7yr 2436.
2843	62 56 5·0	71·35	5	15·48	W 507, T 9963, Ar 4662, N
2844	82 20 51·7	79·18	3	15·49	W 509, Si_1, L_2 5984, Gl 5477.
2845	37 38 40·5	72·76	1	15·51	T 9973, Ar 4668, Oe 22285, RC [5238, RC_2 2093.
2846	58 19 17·0	78·55	4	15·52	W 526, R 9206, Gl 5478.
2847	64 37 22·9	68·73	6	15·53	W 529.
2848	68 21 58·1	73·43	4	15·54	W 536, R 9212.
2849	61 57 28·0	80·63	2	15·57	[3666.
2850	100 17 20·7	69·64	1	15·63	W 546, Si_2, Si_3 2416, L_5 [5252, 9yr 2010.
2851	44 7 15·9	62·53	3	15·64	Ar 4680, Oe 22336, RC
2852	78 24 39·8	73·45	4	15·65	W 557, Bn, L_4 2671, Gl
2853	102 49 3·1	71·73	4	15·67	See *Notes*. [5491.
2854	52 34 57·2	72·98	4	15·68	W 606.
2855	69 50 20·0	70·35	5	15·76	PM 2606, R 9255.
2856	37 55 49·4	68·47	3	15·76	Oe 22397, T_2, RC 5273.
2857	57 46 31·8	75·28	5	15·78	W 647.
2858	68 57 47·2	72·94	5	15·78	W 643, L_6.
2859	93 57 51·1	80·29	3	15·79	W 624.
2860	73 6 31·1	76·71	4	15·81	W 653, R 9260, L_6. [Y 9416, St 11402.
2861	114 0 34·4	67·64	2	15·81	T 10007, Ar 4689, Oe 21484, L_6.
2862	72 13 37·7	72·71	5	15·85	W 671, L_6.
2863	69 9 6·8	69·65	3	15·88	
2864	58 46 20·9	79·32	3	15·89	W 695.
2865	48 9 7·4	73·60	6	15·89	W 704.
2866	62 21 30·6	77·84	5	15·90	W 699.
2867	95 36 39·3	71·16	5	15·91	W 678, Sp 8752, L_3 4324.
2868	74 51 55·9	69·95	6	15·94	W 703, R 9288, L_6, Gl 5518.
2869	78 50 27·1	79·45	3	15·96	W 712, R 9294, Sp 8768, L_4
2870	90 56 59·5	74·10	5	15·97	See *Notes*. [2716, Gl 5521.
2871	70 46 30·2	77·00	3	15·97	W 737, R 9300, L_6.
2872	45 11 3·3	73·13	5	15·98	W 757, Oe 22524.
2873	84 47 27·9	71·22	4	16·03	See *Notes*.
2874	101 8 20·1	74·17	5	16·05	W 749, Si_3 2434, L_5 3711.
2875	65 3 52·1	71·78	5	16·07	
2876	70 17 52·0	70·53	5	16·08	Ar 4714, R 9336, L_6.
2877	47 16 21·3	72·15	5	16·10	W 816.
2878	66 4 11·9	73·12	5	16·10	W 812, Bn. [5541.
2879	81 22 48·7	68·88	5	16·11	W 789, Si_1, Sp 8792, L_2 6086, Gl
2880	79 57 12·9	78·71	5	−16·14	W 808, Si_1, L_4 2746, Gl 5542.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
2881	42258	8·5	21h 35m 8s·67	75·88	5	+2s·918
2882	42273	7·1	21 35 10·07	72·53	5	2·649
2883	42286	7·1	21 35 27·05	77·78	4	2·684
2884	42292	6·7	21 35 37·03	80·70	3	2·764
2885	42345	8·0	21 35 42·75	72·79	1	2·869
2886	42315	6·6	21 35 45·55	78·90	1	2·539
2887	42310	7·0	21 35 51·77	69·97	5	2·770
2888	42295	5·5	21 36 0·13	74·94	4	3·002
2889	42396	7·1	21 37 43·75	71·31	5	2·085
2890	42355	7·5	21 37 51·54	76·72	5	3·148
2891	42394	7·5	21 38 28·17	78·72	3	2·717
2892	42384	7·7	21 38 28·34	74·28	5	3·039
2893	42452	8·5	21 39 48·52	78·74	4	2·360
2894	42444	7·3	21 39 56·39	74·23	4	2·589
2895	42431	7·5	21 40 3·41	71·35	5	3·109
2896	42470	6·6	21 40 26·41	70·75	5	2·531
2897	42476	7·7	21 40 51·73	72·75	5	2·811
2898	42457	7·0	21 40 52·35	72·35	4	3·142
2899	42479	7·8	21 41 1·14	79·75	1	2·805
2900	42463	6·0	21 41 3·37	76·29	5	3·159
2901	42524	7·2	21 42 28·44	71·08	6	2·738
2902	42542	7·0	21 43 0·55	73·93	5	2·770
2903	42549	7·5	21 43 22·54	70·53	5	2·869
2904	42559	6·5	21 43 36·22	65·92	5	2·801
2905	42544	7·0	21 43 51·14	65·66	1	3·362
2906	42586	7·0	21 44 10·81	76·08	4	2·592
2907	42581	7·5	21 44 15·31	69·90	3	2·817
2908	42569	8·0	21 44 24·50	80·08	3	3·213
2909	42594	7·5	21 44 31·24	72·13	5	2·724
2910	42606	7·7	21 44 43·94	74·53	5	2·565
2911	42598	8·0	21 44 44·18	79·72	1	2·781
2912	42614	6·7	21 45 4·82	78·50	6	2·607
2913	42619	7·0	21 45 44·22	71·20	5	2·935
2914	42631	7·2	21 45 47·60	75·89	4	2·822
2915	42654	6·3	21 46 28·39	72·14	5	+2·794
2916	42764	7·0	21 46 40·55	64·76	1	−0·283
2917	42694	8·0	21 47 14·46	77·28	2	+2·384
2918	42690	5·8	21 47 44·53	71·06	3	2·820
2919	42687	7·0	21 48 5·94	70·05	3	3·122
2920	42704	6·8	21 48 17·55	81·17	2	2·915
2921	42713	6·8	21 48 19·40	73·71	5	2·690
2922	42708	6·9	21 48 24·90	70·25	6	2·820
2923	42719	8·0	21 48 52·94	77·34	5	2·883
2924	42746	7·2	21 49 17·70	77·71	4	2·619
2925	42748	6·8	21 49 25·48	74·20	4	+2·626

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2881	78° 55′ 28″·6	75·88	5	—16″·18	W 821, Sp 8804, L_4 2749,
2882	61 48 44·0	71·37	6	16·18	W 851, R 9359. [Gl 5549.
2883	63 48 50·1	77·78	4	16·19	See *Notes*.
2884	68 37 24·4	80·70	3	16·20	W 863, R 9364.
2885	75 31 25·8	69·73	2	16·21	W 838, R 9365, Sp 8808, [L_4 2754, Gl 5555.
2886	55 53 33·9	78·90	1	16·21	W 871, Y 9484.
2887	68 57 53·7	69·15	5	16·22	W 869, R 9373.
2888	84 53 19·0	75·12	5	16·23	See *Notes*.
2889	38 16 41·7	69·40	6	16·31	Oe 22716, RC 5369.
2890	95 18 11·7	74·72	6	16·32	T 10094, R 9410, R, L_3 [4364, Y 9497.
2891	65 23 37·6	78·72	3	16·35	
2892	87 34 50·9	74·28	5	16·35	
2893	47 8 41·1	78·74	4	16·42	W 963.
2894	57 47 36·8	74·23	4	16·42	R 9454.
2895	92 47 22·0	71·35	5	16·43	W 942, L_1 8526, Gl 5572.
2896	54 43 7·1	70·18	6	16·45	
2897	71 5 59·0	72·75	5	16·47	
2898	95 11 11·2	75·35	4	16·47	R, L_3 4387, Gl 5580.
2899	70 39 20·6	79·75	1	16·48	L_6.
2900	96 29 43·8	74·53	6	16·48	R 9470, Bn, L_6 4390.
2901	66 6 52·9	71·08	6	16·55	W 1021.
2902	68 9 4·0	73·93	5	16·58	W 1028.
2903	74 49 11·5	70·53	5	16·60	W 1010, Gl 5590.
2904	70 7 7·7	65·92	5	16·61	W 1042, R 9524, L_6.
2905	111 7 24·2	64·76	1	16·62	L_6.
2906	57 16 10·7	76·08	4	16·63	W 1059. [L_6.
2907	71 9 31·5	65·76	7	16·64	W 1056, R 9535, Ar 4770,
2908	100 37 20·0	80·08	3	16·65	See *Notes*.
2909	64 59 11·5	72·13	5	16·65	W 1069, R 9543.
2910	55 45 31·2	74·53	5	16·66	W 1081.
2911	68 38 25·7	79·72	1	16·66	W 1076, R 9546.
2912	57 55 28·4	78·50	6	16·68	W 1083, R 9552. [5606.
2913	79 29 40·3	71·20	5	16·71	W 1058, R 9562, L_4 2826, Gl
2914	71 16 40·7	75·89	4	16·71	W 1098, PM 2636, R
2915	69 18 49·8	72·14	5	16·75	W 1110. [9566, L_6.
2916	12 20 51·7	59·91	1	16·76	Oe 22994, RC 5440, Bn.
2917	46 48 13·7	73·42	3	16·78	W 1132, RC 5432.
2918	70 55 13·5	70·77	5	16·81	W 1136, R 9600.
2919	93 53 22·2	68·68	5	16·82	See *Notes*.
2920	77 50 17·1	81·17	2	16·83	R 9614, L_4 2845.
2921	62 14 34·6	73·71	5	16·83	W 1153, R 9618, Bn.
2922	70 52 13·5	71·17	5	16·84	W 1151, PM 2642, L_6:
2923	75 21 51·0	77·34	5	16·86	
2924	57 55 0·4	77·71	5	16·88	
2925	58 15 7·4	74·20	4	—16·89	Bn.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
2926	42725	7·5	21h 49m 31s·86	80·32	2	+3s·153
2927	42756	6·8	21 49 34·78	69·82	5	2·582
2928	42797	6·8	21 50 45·00	71·76	4	2·611
2929	42780	8·0	21 51 1·35	71·77	2	3·187
2930	42802	7·3	21 51 5·30	77·58	6	2·853
2931	42818	7·3	21 51 33·32	79·24	4	2·949
2932	42849	7·2	21 51 53·00	70·19	6	2·684
2933	42843	7·2	21 52 11·56	75·17	4	3·033
2934	42846	7·0	21 52 23·82	71·56	5	3·133
2935	42878	7·6	21 52 51·05	71·30	6	2·515
2936	42883	7·4	21 53 8·68	74·31	5	2·679
2937	42875	7·5	21 53 22·94	71·40	3	2·949
2938	42939	7·5	21 54 2·89	76·13	5	2·772
2939	42898	7·5	21 54 20·84	74·47	3	3·241
2940	42940	6·8	21 54 50·78	79·00	5	2·603
2941	42929	5·8	21 54 56·			2·979
2942	42943	7·0	21 54 57·04	69·62	5	2·631
2943	42942	7·3	21 55 7·20	77·83	3	2·802
2944	42977	7·8	21 55 36·93	56·92	1	2·293
2945	42974	6·8	21 55 50·58	74·48	5	2·521
2946	42972	8·0	21 56 0·35	81·00	3	2·739
2947	42963	8·0	21 56 23·62	69·55	6	3·182
2948	42989	6·8	21 56 37·70	72·38	5	2·883
2949	42994	8·0	21 56 42·16	74·12	5	2·782
2950	42995	8·0	21 56 52·38	75·67	1	2·909
2951	43018	7·7	21 57 14·56	71·92	5	2·676
2952	43038	6·8	21 58 21·76	81·79	1	2·957
2953	43073	7·0	21 59 2·94	78·18	5	2·646
2954	43081	6·2	21 59 27·49	72·20	6	2·743
2955	43091	7·2	22 0 0·34	76·20	2	2·961
2956	43104	6·0	22 0 38·60	72·41	3	3·202
2957	43144	7·8	22 1 14·42	78·90	1	2·749
2958	43142	7·1	22 1 20·33	71·02	4	2·967
2959	43177	7·2	22 1 23·13	77·50	4	2·194
2960	43160	7·2	22 1 29·54	74·30	5	2·695
2961	43151	6·5	22 1 31·23	72·95	5	2·865
2962	43207	7·8	22 1 43·84	79·78	5	2·572
2963	43196	7·0	22 2 31·02	71·46	4	2·765
2964	43250	6·2	22 3 38·01	70·18	4	2·414
2965	43256	6·9	22 3 44·35	74·52	5	2·367
2966	43249	7·5	22 3 52·72	77·75	1	2·626
2967	43270	7·0	22 4 5·17	79·93	5	2·354
2968	43266	6·9	22 4 8·77	74·69	5	2·442
2969	43255	7·9	22 4 21·55	68·53	5	2·849
2970	43258	6·0	22 4 29·36	72·73	5	+2·946

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2926	96° 25′ 13″·3	80·32	2	−16″·89	Bn, Sp 8922, L_3 4430.
2927	55 49 2·7	71·03	4	16·89	W 1180, R 9644.
2928	57 13 32·7	70·54	6	16·95	W 1120, Bn.
2929	99 9 32·3	74·12	3	16·95	W 1167, R 9662, Si_2, Sp
2930	72 54 43·0	77·58	6	16·96	R9669, L_6. [8936, $L_5$3793.
2931	80 9 10·3	79·24	4	16·98	W 1189, L_4 2870, Gl
2932	61 16 58·5	70·09	5	17·00	[5641.
2933	86 48 52·3	75·68	5	17·01	See *Notes*.
2934	94 57 37·2	71·56	5	17·02	Sp 8954, L_3 4441.
2935	51 40 7·0	71·30	6	17·04	W1275, R 9710, Y9631.
2936	60 46 13·6	74·31	5	17·06	See *Notes*. [2883, Gl 5654.
2937	80 1 16·1	71·34	5	17·07	W 1222, R 9718, Sp 8961, L_4
2938	66 39 24·0	76·13	5	17·09	PM 2652, R 9737.
2939	103 37 23·6	74·47	3	17·11	See *Notes*.
2940	55 58 10·7	79·00	5	17·14	W 1331, Y 9644.
2941	82 20 34·7	64·82	3	17·14	See *Notes*.
2942	57 35 44·2	68·42	6	17·14	W 1336.
2943	68 43 58·4	77·59	5	17·15	W 1337.
2944	41 32 50·7	56·69	2	17·17	Ar 4810, Oe 23215, RC
2945	51 21 16·7	74·48	5	17·18	W1371, RC5507. [5505.
2946	64 13 24·9	81·00	3	17·19	W 1370.
2947	99 6 8·8	69·55	6	17·21	W 1279, Sp 8988, L_5
2948	74 36 55·5	72·38	5	17·22	R 9780. [3820.
2949	67 1 23·5	74·12	5	17·22	
2950	76 33 48·8	75·67	1	17·23	W 1297, R 9783, Gl
2951	59 49 51·2	71·92	5	17·24	[5668. W 1408.
2952	80 21 51·4	81·79	1	17·29	W1323, R 9799, L_4 2917,
2953	57 39 49·0	78·18	5	17·33	W 1467. [Gl 5679.
2954	63 56 1·2	73·01	6	17·34	R 9817. [2930, Gl 5686.
2955	80 30 49·8	76·20	2	17·37	W 1363, PM 2662, R 9820, L_4 [3831, Y9686, Gl 5692.
2956	101 3 21·4	72·41	3	17·40	W 1373, Ar 4828, Si_2 2482, L_5
2957	63 59 11·6	78·90	1	17·42	W 1534. [5696.
2958	80 56 18·3	70·75	6	17·43	W1391, Sp 9026, L_2 6224, Gl
2959	36 59 5·5	75·91	6	17·43	Oe 23385, Y 9699.
2960	60 17 29·3	74·30	5	17·43	W 1543.
2961	72 36 28·9	72·95	5	17·43	W 1539, R 9843, L_6.
2962	52 42 29·8	79·78	5	17·44	W 1554.
2963	65 3 58·0	71·06	6	17·48	W 12.
2964	44 52 15·7	69·70	5	17·52	W 46.
2965	42 40 39·9	74·52	5	17·53	Oe 23481, RC 5571, Gl [5710.
2966	55 28 54·9	77·75	1	17·53	W 49.
2967	42 5 43·4	79·93	5	17·54	Oe 23494.
2968	45 45 57·7	74·69	5	17·54	W 69.
2969	70 59 38·0	69·73	5	17·55	W 67, L_6. [Gl 5720.
2970	78 59 15·9	72·73	5	−17·56	W 53, R 9883, L_4 2958,

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
2971	43273	6·8	22h 4m 37s·44	77·30	4	+2s·627
2972	43286	8·0	22 5 37·			3·205
2973	43314	7·2	22 5 41·95	81·79	1	2·723
2974	43319	7·0	22 5 43·97	76·27	4	2·613
2975	43309	7·5	22 5 56·51	71·76	5	3·049
2976		7·9	22 6 5·96	65·66	1	2·800
2977	43331	6·5	22 6 19·52	71·44	4	2·784
2978	43340	7·5	22 6 35·88	65·30	2	2·801
2979	43355	7·0	22 7 10·83	80·75	3	2·871
2980	43383	7·2	22 7 29·31	72·55	5	2·663
2981	43386	7·5	22 8 14·21	76·01	5	3·144
2982	43392	7·5	22 8 15·05	70·93	5	2·991
2983	43420	7·3	22 8 52·67	78·23	5	2·737
2984	43417	6·6	22 8 55·28	76·11	5	2·821
2985	43448	8·1	22 9 13·87	77·74	2	2·493
2986	43443	7·0	22 9 46·21	70·40	3	2·986
2987		9·0	22 10 28·			1·882
2988	43493	4·8	22 10 31·24	71·93	6	2·607
2989	43524	7·5	22 11 36·75	75·10	5	2·778
2990	43518	7·0	22 11 39·72	69·50	5	3·081
2991		9·1	22 11 57·			2·151
2992	43533	7·9	22 12 0·65	72·97	5	2·870
2993	43537	8·0	22 12 27·05	70·73	4	2·995
2994	43555	8·5	22 13 19·54	81·50	4	3·121
2995	43568	7·9	22 13 21·00	73·91	5	2·766
2996	43569	7·5	22 13 22·25	78·64	5	2·750
2997	43578	7·2	22 13 36·40	76·79	5	2·685
2998	43584	7·5	22 13 44·29	71·16	5	2·670
2999	43594	7·3	22 13 52·66	68·13	3	2·468
3000	43601	8·0	22 14 51·29	75·73	2	3·144
3001	43630	6·9	22 14 58·21	74·30	5	2·632
3002	43635	7·0	22 15 20·57	71·16	5	2·722
3003	43660	7·0	22 15 22·54	74·69	1	2·929
3004	43648	7·0	22 16 0·38	70·78	4	2·915
3005	43650	7·9	22 16 17·63	72·12	5	3·012
3006	43645	6·5	22 16 32·74	66·23	2	3·349
3007	43686	7·5	22 16 49·55	76·79	5	2·740
3008	43672	7·8	22 16 53·97	78·83	2	2·982
3009	43706	7·5	22 17 11·64	72·94	4	2·696
3010	43707	8·0	22 17 43·28	76·60	4	3·099
3011	43715	8·0	22 17 52·60	81·75	2	3·193
3012	43729	7·0	22 17 54·67	68·17	5	2·922
3013	43734	7·3	22 18 20·59	70·10	5	2·912
3014	43751	6·8	22 18 22·23	74·48	5	2·625
3015	43736	7·7	22 18 30·74	80·75	1	+2·980

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
2971	55° 23′ 55″·4	77·30	4	−17″·57	W 80.
2972	101 40 50·8	66·75	2	17·61	See *Notes*.
2973	61 21 38·0	81·79	1	17·61	
2974	54 21 2·2	76·80	5	17·61	W 113, Y 9741.
2975	87 52 53·0	71·76	5	17·62	W 84, Bn, L_1 8721, Gl [5727.
2976	66 50			17·63	R 9932.
2977	65 39 56·2	71·11	5	17·64	
2978	66 51 28·2	64·94	1	17·65	W 133, R 9946.
2979	72 20 13·3	80·75	3	17·67	
2980	57 1 0·0	72·55	5	17·68	
2981	96 30 9·4	76·01	5	17·72	[6250, Gl 5746.
2982	82 38 34·5	70·90	6	17·72	W 135, Si_1, Sp 9080, L_2
2983	61 2 47·7	78·23	5	17·74	W 187, PM 2686.
2984	68 5 47·7	76·11	5	17·74	W 186, R 9990, L_6.
2985	46 57 29·1	77·74	2	17·76	[Gl 5759.
2986	82 4 17·6	70·17	5	17·78	W 171, R 10003, L_2 6256,
2987	27 29 55·1	65·96	4	17·81	Ar 4890, Oe 23749.
2988	52 52 23·5	75·25	5	17·81	See *Notes*.
2989	64 14 15·0	75·10	5	17·85	
2990	90 51 35·3	69·40	6	17·86	See *Notes*.
2991	33 20 18·4	67·20	2	17·86	Ar 4895, Oe 23779.
2992	71 35 1·2	72·97	5	17·87	R 10058, L_6.
2993	82 45 33·8	70·56	5	17·89	W 224, Si_1, Gl 5780.
2994	94 41 32·5	81·50	4	17·92	W 238, Si_2, L_3 4543.
2995	62 56 36·7	73·91	5	17·92	W 288.
2996	61 46 46·5	78·64	5	17·92	W 289.
2997	57 7 9·8	76·79	5	17·93	
2998	56 5 10·4	71·16	5	17·94	W 295.
2999	44 37 16·1	67·78	5	17·94	W 302, Oe 23836.
3000	96 52 17·1	72·73	3	17·98	L_3 4553, Y 9800, Gl 5792.
3001	53 19 45·3	72·87	6	17·98	W 322, R 10122, Y 9802.
3002	59 19 5·1	71·16	5	18·00	W 326, Bn.
3003	76 15 30·4	74·69	1	18·00	W 290, Bn.
3004	74 58 39·5	69·75	6	18·03	W 302, Gl 5802.
3005	84 9 23·4	71·01	6	18·04	Sp 9145, L_2 6276, Gl 5803. [2205, St 11718.
3006	115 23 40·1	66·23	2	18·04	T 10374, Ar 4908, RC_2
3007	60 16 21·2	76·79	5	18·06	W 354.
3008	81 10 15·2	78·83	2	18·06	L_2 6279, *Note*.
3009	57 2 3·5	71·65	5	18·07	W 360.
3010	92 41 39·1	76·61	5	18·09	W 342, Si_5 1267, Gl 5811. [3897, Y 9829.
3011	101 47 20·0	81·75	2	18·10	W 346, Si_3 2516, Sp 9157, L_5
3012	75 21 0·3	67·37	5	18·10	W 356, R 10175, Sp 9158, Gl
3013	74 22 9·0	72·28	4	18·11	R 10181, L_6. [5813.
3014	52 3 46·5	74·67	4	18·11	W 384, Bn, *Note*.
3015	80 49 22·8	80·75	1	−18·12	W 368, Si_1, Gl 5819.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
3016	43748	7·9	22h. 18m. 37s·32	75·77	1	+2s·991
3017	43782	7·7	22 19 12·87	73·36	5	2·795
3018		6·0	22 19 15·			3·329
3019	43786	6·9	22 19 21·86	80·42	4	2·714
3020	43776	6·5	22 19 46·70	70·76	3	3·249
3021	43834	6·7	22 20 13·14	76·53	5	2·806
3022	43836	7·8	22 20 56·00	78·91	1	2·991
3023	43859	6·5	22 21 12·60	71·54	5	2·655
3024	43867	7·5	22 21 55·84	76·20	4	2·958
3025	43854	8·0	22 21 56·24	67·67	2	3·304
3026	43886	6·0	22 21 57·72	73·34	5	2·620
3027	43891	6·8	22 22 20·10	72·05	6	2·824
3028	43893	6·8	22 22 20·95	68·95	5	2·798
3029	43915	7·0	22 22 43·43	77·16	5	2·550
3030	43927	8·0	22 23 16·62	76·24	4	2·740
3031	43943	8·0	22 23 58·67	72·65	2	3·059
3032	43993	8·6	22 24 20·76	65·65	1	2·488
3033	43940	7·0	22 24 23·54	75·98	5	2·752
3034	43978	7·9	22 24 42·29	81·75	2	2·998
3035	43974	7·0	22 24 44·76	70·57	4	3·140
3036	43981	7·5	22 24 50·59	76·76	2	3·106
3037	44035	8·5	22 25 45·01	71·55	5	2·646
3038	44019	7·5	22 25 59·79	72·77	5	3·139
3039	44022	7·7	22 26 0·44	75·11	5	3·054
3040	44040	8·0	22 26 25·52	76·57	5	3·050
3041	44047	7·8	22 26 25·53	79·87	3	2·889
3042	44073	5·0	22 27 51·			3·276
3043	44112	8·5	22 28 40·			3·092
3044	44154	7·0	22 29 3·			2·942
3045	44178	7·7	22 29 25·42	64·72	1	2·985
3046	44161	8·8	22 29 45·17	78·72	1	2·895
3047	44170	7·2	22 29 57·27	72·78	1	2·750
3048	44195	6·3	22 30 27·14	75·55	3	2·716
3049	44236	8·1	22 31 31·25	76·16	5	2·603
3050	44229	6·5	22 31 36·00	72·79	5	2·855
3051	44252	6·7	22 31 46·01	69·78	5	2·619
3052	44223	6·0	22 31 48·55	81·79	1	3·148
3053	44262	7·4	22 32 5·23	76·77	4	2·791
3054	44298	8·5	22 32 53·08	70·85	1	2·791
3055	44316	7·0	22 33 7·62	73·61	6	2·594
3056	44344	6·0	22 33 54·91	79·45	1	2·703
3057	44346	6·9	22 33 55·98	74·74	4	2·688
3058	44351	7·5	22 34 27·28	73·78	5	2·900
3059	44379	7·3	22 35 3·45	79·45	3	2·851
3060	44382	7·5	22 35 36·01	69·04	4	+3·121

No.	Mean N.P.D. 1875·0	Epoch.	Obs.	Ann. Prec	Authorities.
3016	81° 53′ 46″·9	75·77	1	−18″·12	R 10188.
3017	64 1 20·1	73·36	5	18·15	W 403.
3018	114 19 0·8	67·03	3	18·15	T 10389, Ar 4923, Oe [22144, L_6, St 11736.
3019	57 50 31·4	80·42	4	18·15	
3020	107 22 34·5	69·76	5	18·17	T 10392, R 10209, Ar 4924, [12 yr 2007, 9 yr 2104.
3021	64 42 25·1	76·53	5	18·18	W 420, R 10225.
3022	81 42 43·6	78·91	1	18·21	W 421, Gl 5832.
3023	53 11 30·7	69·85	6	18·22	PM 2714, Y 9856. [3838.
3024	78 23 19·3	76·80	5	18·25	W 443, R 10252, L_4 3072, Gl
3025	112 42 29·5	67·67	2	18·25	Oe 22168, L_6, Y 9864, [St 11747.
3026	50 49 35·6	73·34	5	18·25	W 467.
3027	65 50 43·2	72·95	5	18·26	W 475.
3028	63 37 2·8	68·51	6	18·26	W 478.
3029	46 31 2·9	77·16	5	18·27	W 487.
3030	60 50 34·8	76·24	4	18·29	W 495. [5847.
3031	88 35 48·4	69·95	4	18·32	W 481, Si_1, L_1 8864, Gl
3032	42 52 32·0	56·96	1	18·33	Ar 4947, Oe 24169, RC
3033	59 25 25·2	75·98	5	18·33	W 515. [5708.
3034	82 12 47·7	81·75	2	18·35	
3035	97 11 32·2	69·70	6	18·35	See *Notes*.
3036	93 33 4·6	71·48	4	18·35	W 494, Si_2, L_3 4587, Gl
3037	51 23 44·9	71·55	5	18·38	W 547. [5853.
3038	97 6 39·4	72·77	5	18·39	W 519, R 10329, Si_2,
3039	88 3 17·8	75·11	5	18·39	L_1 8874. [L_3 4589.
3040	87 38 6·7	76·57	5	18·41	W 529, L_1 8881, Gl 5865.
3041	71 1 14·1	79·87	3	18·41	W 557, L_6.
3042	111 20 53·3	65·75	5	18·46	See *Notes*.
3043	92 10 8·0	58·76	3	18·48	W 577, Ar 4961, L_1 8901.
3044	76 2 6·2	61·76	4	18·50	See *Notes*.
3045	80 19 5·6	54·72	1	18·51	W 595, R 10400, L_4 3121, [Gl 5881.
3046	70 55 46·9	78·72	1	18·52	W 636, R 10406.
3047	57 51 25·7	70·28	2	18·53	W 645, R 10413.
3048	55 4 2·6	76·77	5	18·54	
3049	47 2 51·7	76·16	5	18·58	
3050	66 38 48·1	72·79	5	18·58	W 692.
3051	47 50 17·3	69·90	7	18·59	
3052	98 32 47·8	81·79	1	18·59	W 641, R 10445, Si_2, L_3
3053	60 43 27·0	74·57	5	18·60	W 713. [4615.
3054	60 48 30·4	70·85	1	18·62	W 733.
3055	45 58 49·2	73·61	6	18·63	
3056	53 3 29·1	78·82	2	18·65	
3057	51 54 8·0	73·34	5	18·66	W 772, Y 9965.
3058	70 36 33·9	73·78	5	18·67	W 780, R 10494, L_6.
3059	65 26 27·6	79·45	3	18·69	W 805. [L_3 4628.
3060	95 45 12·8	69·04	4	−18·71	W 727, PM 2742, Si_2,

No.	Lalande	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
3061		7·0	22h 36m 30s·			+3s·147
3062	44430	7·0	22 36 33·00	74·32	4	3·036
3063		8·5	22 36 54·			3·148
3064	44459	7·5	22 37 28·80	74·72	5	3·046
3065	44492	8·2	22 38 5·14	72·59	5	2·719
3066	44486	6·0	22 38 40·			3·298
3067	44518	7·4	22 38 50·98	74·00	5	2·868
3068	44520	8·3	22 39 16·82	80·03	4	3·048
3069	44540	8·0	22 39 52·60	70·78	5	2·918
3070	44519	7·0	22 40 10·87	77·75	1	3·016
3071	44573	7·6	22 40 46·74	74·63	5	2·860
3072	44605	6·5	22 40 53·00	70·79	3	2·611
3073	44575	7·7	22 40 54·95	80·81	3	2·937
3074	44568	7·0	22 41 4·47	83·93	1	3·191
3075	44627	7·5	22 41 55·93	73·70	1	2·614
3076	44639	7·0	22 42 6·49	72·21	5	2·486
3077	44625	7·8	22 42 23·53	73·51	5	3·016
3078	44636	8·2	22 42 39·16	75·93	1	2·995
3079	44655	6·8	22 43 16·86	78·18	5	2·996
3080	44685	7·0	22 44 1·61	70·14	3	2·681
3081	44670	7·5	22 44 17·31	72·11	3	3·082
3082	44692	7·3	22 44 43·98	71·68	5	2·938
3083	44738	7·2	22 45 25·44	78·91	1	2·536
3084	44721	6·7	22 45 27·45	71·80	5	2·866
3085	44726	7·7	22 45 29·70	74·55	5	2·679
3086	44734	7·0	22 46 10·81	73·73	2	3·153
3087		7·5	22 46 19·			3·001
3088	44770	7·9	22 46 27·74	75·40	5	2·524
3089	44786	6·8	22 47 9·38	67·29	2	2·747
3090	44782	8·0	22 47 29·02	73·69	1	3·064
3091	44815	7·7	22 48 13·64	76·76	5	2·859
3092	44824	6·8	22 48 35·73	83·92	1	3·069
3093	44842	7·8	22 48 43·02	77·88	3	2·692
3094	44845	7·4	22 48 57·16	73·03	5	2·861
3095	44854	5·9	22 49 13·84	74·18	5	2·772
3096	44862	6·0	22 49 54·99	69·87	5	2·782
3097	44872	7·5	22 50 39·43	76·97	5	3·099
3098	44888	6·5	22 51 10·76	71·80	6	3·050
3099	44904	6·5	22 51 57·31	72·80	4	3·086
3100	44920	6·8	22 52 14·95	77·13	4	3·012
3101	44939	6·9	22 52 57·91	70·84	5	3·047
3102	44942	9·0	22 53 2·23	81·25	2	3·096
3103	44946	6·0	22 53 3·13	83·92	1	3·070
3104	44963	7·0	22 53 5·20	73·95	6	2·710
3105	44966	7·0	22 53 38·78	73·30	4	+3·042

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
3061	98° 57′ 55″·3	65·72	2	−18″·74	W755,Ar5001,PM2745.
3062	85 41 8·7	74·32	4	18·74	W 760, Si_1, Gl 5920.
3063	99 4 22·1	65·74	2	18·75	W765, T 10518, $L_5$3956.
3064	86 46 47·1	74·72	5	18·77	W 772, Y 9989, Gl 5922.
3065	52 57 20·2	72·59	5	18·79	W 877. [St 11857, B 487.
3066	115 53 38·9	66·42	3	18·80	T 10526, Ar 5006, Y 9995,
3067	66 16 38·8	72·62	6	18·81	W 893, Bn.
3068	87 1 33·4	80·03	4	18·82	W 810. [10585, L_6.
3069	71 24 25·7	70·78	5	18·84	W 909, PM 2751, R
3070	83 4 29·4	77·83	2	18·85	W 821, R 10589.
3071	64 51 15·7	74·63	5	18·87	
3072	44 26 31·3	70·79	3	18·87	See *Notes*.
3073	73 25 29·8	80·81	3	18·87	R 10613.
3074	104 42 50·6	83·93	1	18·88	See *Notes*.
3075	44 27 1·8	73·70	1	18·90	Ar 5023, Oe 24658, RC [5832, RC_2 2262.
3076	37 16 36·0	72·21	5	18·91	Oe 24662.
3077	82 48 52·2	73·51	5	18·92	W 868. [Gl 5955.
3078	80 7 37·2	75·93	1	18·92	W 876, R 10644, L_4 3202,
3079	80 10 50·2	78·18	5	18·94	Sp 9348, L_4 3207.
3080	48 1 47·7	68·60	6	18·96	W 1008. [9002, Gl 5963.
3081	91 14 21·9	69·56	5	18·97	W907, Si_3, Si_5 1299, Sp 9358, L_1
3082	72 39 35·1	72·00	8	18·98	W 1023, R 10684, L_6, Gl
3083	38 36 21·2	78·91	1	19·00	Oe 24756, *Note*. [5966.
3084	64 16 18·4	71·80	5	19·00	W 1040.
3085	47 25 26·2	74·51	5	19·00	RC 5854. [2573, L_5 3985.
3086	100 43 19·9	73·73	2	19·02	W 933, R 10706, Si_2, Si_3
3087	80 26 24·1	65·92	5	19·03	See *Notes*.
3088	37 38 4·3	75·40	5	19·03	Ar 5039, Oe 24781, Bn.
3089	52 2 51·5	69·03	4	19·05	W 1076, *Note*.
3090	88 49 18·1	73·69	1	19·06	W 967, T_2, Sp 9384, L_1 [9021, Gl 5987.
3091	62 38 51·5	76·76	5	19·08	W 1095, R 10736.
3092	89 36 4·0	72·44	6	19·09	See *Notes*.
3093	47 8 10·5	77·88	3	19·09	W 1110. [2060.
3094	62 39 24·2	73·03	5	19·10	W 1115, R 10739, 12yr
3095	53 35 21·8	74·18	5	19·11	W 1121.
3096	54 18 55·0	68·97	6	19·12	W 1133, Y 10081.
3097	93 54 48·6	75·25	8	19·14	W1033, PM 2768, Si_2, Gl
3098	86 51 32·4	72·21	5	19·16	See *Notes*. [6004.
3099	92 4 43·7	72·80	4	19·18	L_1 9040.
3100	81 18 25·4	77·13	4	19·18	See *Notes*.
3101	86 18 30·4	70·16	6	19·20	W1081, Sp9432, Gl6025.
3102	93 33 18·2	72·55	5	19·20	W 1083.
3103	89 42 14·7	65·41	5	19·20	See *Notes*.
3104	46 49 48·4	72·93	7	19·20	
3105	85 30 37·2	72·50	5	−19·22	W 1096, Si_1, Gl 6027.

No.	Lalande.	Mag.	Mean R.A. 1875·0.			Epoch.	Obs.	Ann. Prec.
3106	44969	7·5	22h	53m	47s·88	64·76	1	+3s·137
3107	44982	8·0	22	53	56·96	75·90	1	2·919
3108	45001	7·7	22	54	18·65	78·78	2	2·986
3109	45023	6·0	22	54	44·59	72·62	6	2·851
3110	45037	6·7	22	55	5·84	76·01	5	2·780
3111	45028	7·9	22	55	21·01	83·93	1	3·102
3112	45044	6·9	22	55	29·38	60·69	1	2·919
3113	45053	7·1	22	55	45·60	78·65	5	2·943
3114	45063	6·8	22	55	56·75	73·80	5	2·824
3115	45072	6·0	22	56	15·14	72·76	1	2·918
3116	45133	6·6	22	56	57·94	78·08	4	2·938
3117	45112	7·3	22	57	29·26	72·60	5	2·921
3118	45166	6·7	22	58	58·28	71·07	4	2·917
3119	45180	6·9	22	59	23·69	77·82	4	2·917
3120	45184	5·5	22	59	57·			3·229
3121	45203	6·5	23	0	18·24	71·60	4	2·821
3122	45199	6·2	23	0	19·68	73·38	5	2·952
3123	45200	7·8	23	0	25·69	83·93	1	3·047
3124	45218	7·5	23	0	38·56	74·40	5	2·764
3125	45241	6·2	23	1	18·80	74·61	5	2·945
3126	45233	7·2	23	1	21·11	72·57	5	3·078
3127	45268	6·5	23	1	35·00	78·06	4	2·730
3128	45265	7·5	23	2	0·69	81·26	2	3·079
3129	45297	8·5	23	2	37·88	73·24	5	3·089
3130	45323	6·9	23	3	3·88	76·81	4	2·813
3131	45311	7·5	23	3	14·83	79·84	3	3·162
3132	45334	7·7	23	3	43·70	76·06	4	2·992
3133	45333	7·5	23	3	47·07	72·55	4	3·034
3134	45350	6·8	23	4	9·54	73·40	5	2·862
3135	45362	7·2	23	4	36·24	68·46	5	2·918
3136	45394	6·0	23	4	40·67	75·07	3	2·775
3137	45368	7·1	23	4	52·93	77·50	4	3·048
3138	45386	7·5	23	5	12·56	73·81	4	2·777
3139	45380	8·0	23	5	27·19	75·75	3	3·143
3140	45409	8·2	23	6	15·48	75·80	2	3·061
3141	45426	6·9	23	6	27·40	74·00	5	2·845
3142	45429	7·7	23	6	46·26	81·86	2	3·027
3143	45436	8·2	23	7	1·04	75·54	4	3·062
3144	45469	7·4	23	7	33·30	70·84	5	2·993
3145	45490	7·0	23	8	9·29	72·82	5	3·132
3146	45496	7·0	23	8	17·33	73·99	5	2·906
3147	45492	7·5	23	8	18·19	81·24	2	3·164
3148	45498	6·5	23	8	26·74	77·57	4	2·943
3149	45514	7·4	23	8	34·21	73·41	3	2·794
3150	45543	7·0	23	9	48·41	77·55	4	+2·942

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
3106	99° 32′ 57″·8	65·71	1	−19″·22	See *Notes*
3107	69 26 55·9	73·51	3	19·23	W 1213.
3108	77 12 5·9	78·78	2	19·24	W1117,R10784,L_{43272}.
3109	59 35 16·3	72·62	6	19·25	W 1231.
3110	51 57 46·4	74·30	6	19·26	W 1243.
3111	94 30 49·9	83·93	1	19·26	Y 10126, *Note*.
3112	67 35 51·5	59·80	1	19·27	Ar 5072, L_6.
3113	70 50 1·1	75·10	7	19·27	L_6.
3114	56 3 28·4	71·77	6	19·28	W 1257.
3115	67 19 55·8	68·40	3	19·28	W 1265, L_6.
3116	69 45 10·3	78·08	4	19·30	W 1279.
3117	67 17 41·3	69·70	8	19·31	W 1295, L_6.
3118	66 9 8·7	70·45	6	19·35	W 1323.
3119	66 1 16·2	77·82	4	19·36	W 1334, Bn.
3120	114 25 7·2	65·73	4	19·37	T 10636, Ar 5092, Y [10170, St 12016.
3121	53 51 15·4	70·86	5	19·38	W 1362.
3122	70 45 52·4	73·38	5	19·38	See *Notes*.
3123	85 38 22·7	83·93	1	19·38	W 1250, Sp 9492.
3124	48 4 57·0	74·44	5	19·38	
3125	69 32 23·9	74·61	5	19·41	W 1378.
3126	90 58 20·0	72·00	6	19·41	See *Notes*.
3127	44 36 27·5	75·95	6	19·41	See *Notes*.
3128	91 10 30·1	81·26	2	19·41	See *Notes*.
3129	93 7 47·4	73·24	5	19·43	W 4.
3130	51 45 40·8	73·12	6	19·44	W17, RC 5973, Y 10191.
3131	105 11 16·9	74·80	5	19·44	L_6. [L_4 3323, Gl 6091.
3132	76 14 51·7	74·05	5	19·45	W26, PM 2795, R 10846,
3133	83 18 53·7	70·00	6	19·45	W 28, Si_1.
3134	56 54 30·9	71·50	7	19·46	W 36.
3135	64 9 17·3	68·61	5	19·47	W 48.
3136	47 7 36·6	72·98	4	19·47	See *Notes*. [Gl 6096.
3137	85 40 27·8	75·65	6	19·47	W48, R10858, Si_1 Bn, Y10209,
3138	47 1 18·8	72·19	5	19·48	W 63, RC 5986.
3139	102 36 42·7	72·55	5	19·49	W 57, PM 2798.
3140	87 59 16·4	75·80	2	19·51	W75, R10884, Sp9541, L_1 [9118, Gl 6103.
3141	53 42 41·6	72·12	6	19·51	W 83. [Gl 6105.
3142	81 43 0·0	81·86	2	19·51	W 82, R 10892, Sp 9551,
3143	88 0 18·4	73·97	5	19·52	See *Notes*.
3144	75 18 36·0	69·99	6	19·53	R10905, Sp9561, Gl6109.
3145	101 22 6·4	72·00	6	19·54	W 123.
3146	60 54 30·3	73·99	5	19·54	W 131, R 10923.
3147	106 55 7·1	76·08	3	19·54	Oe 22700, L_6.
3148	66 34 40·8	77·64	5	19·55	W 137, R 10925, L_6.
3149	46 58 45·5	69·75	6	19·55	W 146, RC 6007.
3150	65 54 37·2	77·55	4	−19·57	W 169, R 10943.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
3151	45582	7·0	23h. 11m. 8s.37	69·45	3	+3s.135
3152	45600	8·0	23 11 12·48	69·89	2	2·859
3153		8·3	23 11 15·			2·279
3154	45620	7·2	23 11 48·87	73·49	4	2·913
3155	45640	6·8	23 12 21·61	77·80	1	2·932
3156	45633	8·0	23 12 30·81	79·82	2	3·134
3157	45655	7·5	23 12 35·69	75·26	4	2·894
3158	45659	7·3	23 12 40·55	77·10	4	2·877
3159	45670	7·5	23 13 11·37	71·54	4	2·824
3160	45677	6·4	23 13 24·57	71·89	4	2·889
3161	45672	7·3	23 13 28·27	73·42	5	3·038
3162	45678	8·0	23 13 28·89	79·20	5	2·936
3163	45680	7·5	23 13 46·89	82·79	1	3·093
3164	45714	7·0	23 14 27·			2·980
3165	45711	6·0	23 14 35·65	66·23	2	3·210
3166	45743	6·3	23 14 49·24	71·99	5	2·824
3167		7·0	23 14 54·90	79·46	3	3·096
3168	45751	6·7	23 15 20·44	74·10	3	2·885
3169	45754	7·5	23 15 36·17	64·86	2	2·978
3170	45768	6·6	23 15 55·82	79·21	3	2·936
3171	45780	6·6	23 16 18·45	75·68	5	2·953
3172	45773	5·4	23 16 24·			3·168
3173	45807	6·9	23 17 28·			3·174
3174	45821	7·0	23 17 54·91	71·04	5	2·937
3175	45829	8·0	23 18 6·70	72·43	5	2·980
3176	45831	7·2	23 18 7·81	73·57	4	2·968
3177	45843	6·5	23 18 39·22	72·96	5	2·900
3178	45857	8·9	23 19 12·			2·925
3179	45858	7·0	23 19 16·01	73·78	4	2·903
3180	45866	7·3	23 19 48·29	78·00	5	3·038
3181	45886	7·4	23 19 58·27	79·26	2	2·886
3182	45894	8·0	23 20 20·37	67·30	2	3·065
3183	45892	7·0	23 20 25·			3·138
3184	45936	7·7	23 20 57·62	73·69	3	3·042
3185	45951	7·5	23 21 42·10	71·60	3	2·932
3186	45965	7·0	23 22 32·87	70·82	4	3·111
3187	45978	7·4	23 22 43·61	71·80	5	2·879
3188	45971	7·0	23 22 45·01	76·01	5	3·013
3189	45969	8·0	23 22 50·			3·171
3190	45994	7·0	23 23 14·86	72·54	4	2·882
3191	46002	7·9	23 23 30·94	77·85	2	2·907
3192	45998	7·5	23 23 41·40	65·75	1	3·160
3193	46033	8·0	23 24 31·16	75·64	6	3·093
3194	46047	6·5	23 24 33·54	72·77	5	2·911
3195	46082	7·7	23 25 23·66	69·41	5	+2·942

No.	Mean N P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
3151	102° 23′ 45″·2	69·45	3	−19″·60	W 185, Si_3 2618, Y 10262.
3152	52 55 18·7	68·50	3	19·60	W 208.
3153	19 52 25·4	64·58	6	19·60	Ar 5134, Oe 25372.
3154	60 13 23·9	72·06	5	19·61	W 217.
3155	63 4 39·9	77·80	1	19·62	
3156	102 51 16·2	75·45	3	19·62	W 228, Si_4 2177.
3157	56 57 18·0	73·60	6	19·62	W 235.
3158	54 35 34·7	75·67	6	19·63	W 237.
3159	47 33 3·6	71·00	5	19·63	W 245.
3160	55 53 25·9	69·55	6	19·64	W 250, R 11019. [6142.
3161	82 42 3·9	73·05	6	19·64	W 245, R 11017, Bn, Gl
3162	63 11 22·8	79·20	5	19·64	W 251.
3163	94 35 59·0	82·79	1	19·65	See *Notes*.
3164	70 50 34·1	67·26	2	19·66	W 269, L_6. [St 12113.
3165	117 40 15·4	66·23	2	19·66	T 10726, Ar 5151, Y 10296, [RC 6043, Gl 6154.
3166	46 34 1·2	71·99	5	19·67	W 285, PM 2814, Ar 5155,
3167	95 21 25·7	79·46	3	19·67	See *Notes*.
3168	54 11 1·7	72·25	4	19·67	W 293.
3169	70 2			19·68	W 298, Ar 5160.
3170	61 59 15·3	78·84	4	19·68	W 308.
3171	64 45 59·2	75·68	5	19·69	W 315. [10305, St 12121.
3172	110 46 59·1	66·41	3	19·69	T 10736, Ar 5163, 7yr 1957, Y
3173	112 27 28·6	63·56	6	19·71	T 10745, Ar 5169, Y 10316,
3174	61 0 48·4	69·50	8	19·72	W 344. [St 12130.
3175	69 16 17·6	72·05	6	19·72	W 351, R 11121.
3176	66 55 32·1	72·01	5	19·72	R 11123, L_6.
3177	54 19 27·5	71·50	7	19·73	W 363, Y 10325.
3178	58 13 1·2	62·93	5	19·74	W 371, Ar 5176, RC_2
3179	54 31 21·0	73·78	5	19·74	W 374. [2327.
3180	81 45 28·2	75·79	6	19·75	R 11160.
3181	51 20 47·8	72·17	5	19·75	W 389. [9192, Gl 6182.
3182	88 12 34·6	61·19	3	19·75	W 383, Ar 5181, Sp 9658, L_1
3183	105 56 6·3	66·71	2	19·76	L_6, Y 10337. [6186.
3184	82 37 18·4	73·69	3	19·76	W 395, R 11186, Si_1, Gl
3185	57 43 41·0	68·85	6	19·77	W 436.
3186	99 57 14·9	70·82	4	19·79	W 427, Si_2.
3187	48 16 36·8	71·80	5	19·79	
3188	74 40 34·7	76·01	5	19·79	W 434, R 11224.
3189	114 43 37·8	67·19	2	19·79	R 11223, Oe 22862.
3190	48 19 44·0	69·95	8	19·80	
3191	52 2 43·7	77·01	5	19·80	
3192	112 34 22·1	65·75	1	19·80	Oe 22873, St 12169.
3193	95 45 0·1	75·64	6	19·81	W 466.
3194	52 1 38·8	71·75	6	19·81	W 503.
3195	56 59 25·1	69·81	5	−19·83	W 521.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
3196	46084	6·3	$23^h\ 25^m\ 31^s{\cdot}31$	77·80	3	+2ˢ·967
3197	46085	7·0	23 25 43·			3·115
3198	46090	7·0	23 25 57·29	73·12	4	3·113
3199	46103	7·2	23 26 7·08	77·45	5	3·013
3200	46120	8·0	23 26 19·26	76·81	3	2·945
3201	46117	8·0	23 26 29·86	69·55	4	3·084
3202	46144	8·0	23 27 25·			3·163
3203	46168	7·0	23 27 47·13	72·10	4	2·878
3204	46182	7·5	23 28 23·26	73·80	4	2·950
3205	46195	6·2	23 28 38·16	68·99	5	2·933
3206	46203	7·5	23 28 44·63	75·65	4	2·905
3207	46194	8·0	23 28 48·69	82·79	1	3·087
3208	46200	7·7	23 28 51·31	80·58	5	3·034
3209	46227	6·8	23 29 18·98	70·87	4	2·962
3210	46229	7·5	23 29 33·27	73·57	4	3·102
3211	46228	6·0	23 29 35·			3·164
3212	46240	7·3	23 29 41·76	77·41	4	2·982
3213	46255	6·8	23 30 18·59	73·32	4	2·963
3214	46274	7·7	23 31 3·92	74·72	1	3·005
3215	46294	9·0	23 31 41·78	75·60	3	3·078
3216	46300	6·8	23 31 48·65	73·74	2	2·904
3217	46320	6·5	23 32 22·08	71·86	5	2·962
3218	46344	6·8	23 33 12·75	68·89	1	2·991
3219	46380	8·0	23 34 21·79	72·83	1	3·095
3220	46396	6·0	23 34 24·			2·953
3221	46399	6·5	23 34 40·57	83·93	1	3·105
3222	46409	7·8	23 34 47·38	70·30	2	2·968
3223	46420	6·8	23 34 53·			2·947
3224	46398	7·0	23 35 1·			2·924
3225	46423	7·0	23 35 3·21	70·83	1	2·990
3226	46412	5·0	23 35 5·20	64·72	1	3·122
3227	46442	6·5	23 35 34·56	75·50	3	3·056
3228	46451	5·0	23 35 59·24	82·79	1	3·113
3229	46482	7·0	23 36 52·73	71·86	5	2·981
3230	46487	6·5	23 36 58·79	78·10	4	2·905
3231	46491	7·6	23 37 7·13	74·79	4	2·898
3232	46518	8·0	23 38 7·44	70·61	5	3·081
3233	46532	7·3	23 38 35·59	74·74	4	3·075
3234	46524	6·5	23 38 43·02	73·29	2	2·889
3235	46541	6·5	23 38 45·05	71·25	5	3·026
3236	46553	7·3	23 39 16·24	76·47	5	3·045
3237	46567	7·5	23 39 35·46	80·37	4	2·996
3238	46576	7·5	23 40 6·65	82·79	1	3·092
3239	46583	7·1	23 40 8·05	75·41	5	3·011
3240	46586	7·5	23 40 24·08	64·73	1	+3·092

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
3196	62° 17′ 8″·3	75·03	4	−19″·83	W 524, R 11292.
3197	102 14 2·7	65·73	5	19·83	See *Notes*. [L_5 4064.
3198	101 41 21·1	72·55	6	19·83	W 497, R 11302, Si_3 2643,
3199	73 17 6·6	74·39	7	19·84	W 503, PM 2831, R 11309,
3200	56 56 56·0	76·81	3	19·84	W 543. [Gl 6221. [Gl 6224.
3201	93 42 24·5	69·95	5	19·84	W 511, Sp 9709, L_3 4756,
3202	115 33 3·1	66·75	1	19·85	Oe 22307, Y 10404, St 12200.
3203	44 0 27·8	71·45	6	19·86	R 11340, Oe 25747, RC 6112.
3204	56 20 7·2	72·50	6	19·86	W 578.
3205	52 40 2·6	68·99	5	19·87	W 590.
3206	47 29 20·1	73·65	6	19·87	[4759, Gl 6237.
3207	94 32 45·8	74·25	2	19·87	W 566, R 11360, Si_2, L_3
3208	78 1 39·0	80·58	5	19·87	W 568, R 11364, L_4 3434,
3209	58 29 36·1	70·67	5	19·87	W 602. [Gl 6238.
3210	99 27 23·3	72·45	6	19·88	W 586, R 11376, Si_2, Sp [9734, L_5 4072.
3211	117 34 3·2	66·13	5	19·88	T 10819, Ar 5215, St
3212	62 49 34·6	77·41	5	19·88	R 11382, Bn. [12210.
3213	57 47 11·6	71·31	6	19·88	W 627.
3214	68 12 2·8	74·72	1	19·89	L_6. [9261.
3215	92 1 40·1	72·88	4	19·90	W 628, Si_2, Si_5 1377, L_1
3216	44 29 30·9	70·50	4	19·90	See *Notes*.
3217	55 39 28·5	71·86	5	19·91	
3218	62 27 13·0	67·80	2	19·91	W 701, *Notes*.
3219	98 36 21·5	68·78	2	19·93	W 684, Si_2, L_3 4763.
3220	53 58 22·0	66·72	2	19·93	W 734.
3221	102 22 23·8	83·93	1	19·93	See *Notes*.
3222	54 43 13·6	68·80	3	19·93	W 740.
3223	48 50 31·0	67·09	3	19·93	W 743, R 11469, RC 6154.
3224	44 28 22·3	67·75	2	19·93	Oe 25904.
3225	58 7 55·0	70·12	3	19·93	W 744.
3226	108 43 7·2	65·73	3	19·93	T 10850, Ar 5233, Y 10452.
3227	83 26 29·7	73·32	4	19·94	See *Notes*.
3228	106 8 29·6	71·43	3	19·94	Oe 23004.
3229	55 56 38·9	70·65	6	19·95	W 791.
3230	38 45 15·3	75·45	5	19·95	Oe 25954.
3231	38 26 45·7	70·43	5	19·95	Oe 25956.
3232	93 52 5·3	69·80	6	19·96	W 755, Si_2, Gl 6281.
3233	91 21 16·9	72·52	7	19·96	See *Notes*. [6170.
3234	34 53 39·1	68·28	6	19·96	T 10871, Ar 5246, RC
3235	69 18 12·0	70·50	7	19·97	W 821. [L_4 3482, Gl 6292.
3236	77 32 27·8	73·69	7	19·97	W 777, R 11536, Sp 9817,
3237	57 24 12·1	77·60	5	19·97	
3238	99 41 20·7	70·25	4	19·98	W 794, Si_2, Sp 9829.
3239	61 59 25·5	73·80	6	19·98	W 842, Ar 5250.
3240	99 35 30·4	64·73	1	−19·98	W 801, Si_2.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
3241	46607	6·0	$23^h\ 40^m\ 55^s{\cdot}64$	64·76	1	$+2^s{\cdot}903$
3242	46606	7·5	23 41 4·84	70·84	1	3·032
3243	46611	7·0	23 41 10·66	77·31	2	3·021
3244	46616	7·5	23 41 19·03	70·58	4	2·999
3245	46640	6·8	23 42 13·32	70·01	5	3·024
3246	46642	7·5	23 42 16·42	74·08	4	3·018
3247	46645	7·0	23 42 18·85	71·68	4	2·998
3248	46680	7·0	23 43 40·84	77·67	5	3·092
3249		8·2	23 43 47·			2·896
3250	46684	7·0	23 43 47·67	83·92	1	3·091
3251	46688	6·8	23 43 51·32	73·40	5	3·029
3252	46689	7·7	23 43 53·62	78·80	2	3·044
3253	46698	7·3	23 44 8·90	76·65	5	3·044
3254	46742	7·7	23 45 29·80	71·82	4	3·066
3255	46746	6·7	23 45 35·20	70·40	5	3·008
3256	46757	7·5	23 45 51·97	72·15	4	2·975
3257	46761	6·0	23 46 4·65	79·65	5	3·094
3258	46769	6·5	23 46 12·72	66·71	1	3·101
3259	46772	6·0	23 46 14·			3·058
3260	46791	7·5	23 46 33·89	69·15	6	2·986
3261	46803	7·5	23 46 45·76	74·63	4	3·036
3262	46808	7·3	23 46 51·01	73·54	4	3·025
3263	46828	7·0	23 47 32·15	79·84	3	3·049
3264	46832	7·0	23 47 34·73	75·51	3	3·002
3265	46861	7·6	23 48 25·21	76·77	4	3·051
3266	46867	7·0	23 48 37·32	70·44	5	3·037
3267	46883	7·5	23 49 2·14	77·78	2	3·032
3268	46906	7·0	23 49 36·08	68·82	6	3·050
3269	46909	7·0	23 49 43·63	72·48	5	3·037
3270	46911	7·0	23 49 46·48	73·78	5	3·033
3271	46924	6·0	23 50 19·39	76·25	3	3·051
3272	46937	7·2	23 50 39·85	78·11	4	3·044
3273	46939	6·5	23 50 44·53	65·75	1	3·094
3274	46981	6·6	23 51 59·09	73·20	5	3·040
3275	47002	7·8	23 52 25·22	71·82	4	3·043
3276	47020	7·2	23 52 54·			3·015
3277	47026	7·7	23 53 1·			3·016
3278	47034	5·8	23 53 7·13	73·70	5	3·046
3279	47041	7·0	23 53 22·50	73·95	2	3·073
3280	47099	6·5	23 54 56·47	71·05	4	3·036
3281	47098	8·0	23 54 59·26	76·61	5	3·069
3282	47105	7·0	23 55 11·78	80·05	5	3·057
3283	47094	6·6	23 55 18·92	70·22	5	3·059
3284	47115	5·5	23 55 33·12	83·92	1	3·075
3285	47123	7·0	23 55 50·16	78·12	3	$+3{\cdot}078$

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
3241	33° 14′ 35″·8	64·76	1	−19″·98	Oe 26023.
3242	64 33 45·4	68·78	2	19·99	W 863.
3243	65 6 54·6	73·79	3	19·99	W 866.
3244	56 10 21·4	69·60	5	19·99	
3245	65 2 24·9	68·89	7	19·99	W 881.
3246	62 19 25·1	74·03	5	19·99	W 886.
3247	54 25 11·0	69·88	7	19·99	[Gl 6319.
3248	101 47 52·1	75·68	6	20·00	W868,6yr1547,$Si_3$2674,
3249	28 28 49·1	65·45	3	20·00	Ar 5268, Oe 26068, RC
3250	100 40 21·9	83·92	1	20·00	See *Notes*. [6194.
3251	65 50 14·4	72·35	6	20·00	R 11650.
3252	73 2 55·4	78·80	2	20·00	W873,R11651,Gl6321.
3253	73 5 2·6	76·65	5	20·00	R 11655.
3254	85 57 2·2	70·70	6	20·01	W898,Sp 9878,Gl 6330.
3255	52 48 4·8	69·25	7	20·01	
3256	40 34 53·2	70·50	6	20·01	Oe 26106.
3257	104 56 49·9	77·49	6	20·02	T 10912, Ar 5275, L_6.
3258	109 15 26·9	66·71	1	20·02	Y 10525.
3259	79 44 52·2	65·41	5	20·02	See *Notes*.
3260	42 12 49·8	69·15	6	20·02	
3261	64 41 44·2	74·46	5	20·02	W 971.
3262	58 47 7·0	73·54	4	20·02	W 975.
3263	72 42 8·6	79·84	3	20·02	W 982, R 11723.
3264	46 8 24·1	70·64	6	20·02	W 985, RC 6209.
3265	71 56 56·0	76·77	4	20·03	R 11739.
3266	62 3 47·6	69·45	6	20·03	
3267	57 48 12·2	77·78	2	20·03	
3268	69 31 49·2	68·82	6	20·03	
3269	59 36 57·4	71·55	6	20·03	W 1019.
3270	57 12 28·9	73·78	5	20·03	W 1020. [11775, L_6.
3271	68 2 54·0	72·84	6	20·04	W 1027, T 10945, R
3272	63 7 20·5	78·11	4	20·04	W 1034, R 11782.
3273	111 31 48·4	65·75	1	20·04	
3274	55 40 59·4	73·20	5	20·04	Bn.
3275	56 56 55·2	70·90	5	20·04	[2139, RC6249.
3276	40 9 57·9	65·41	8	20·04	Ar 5301,Oe 26254, 12yr
3277	40 11 16·8	65·22	2	20·04	Ar 5302,Oe 26258, 12yr
3278	56 58 5·5	73·70	5	20·05	[2140, RC6250.
3279	90 58 33·5	73·95	2	20·05	W1069,Sp9947,Gl6376.
3280	40 42 50·1	69·80	6	20·05	Oe 26289.
3281	83 54 16·2	74·13	6	20·05	W 1106, Gl 6385.
3282	62 16 16·4	76·14	7	20·05	W 1152.
3283	66 26 30·7	69·25	6	20·05	W 1153, R 11884.
3284	96 42 31·8	83·92	1	20·05	See *Notes*.
3285	104 6 18·4	77·05	4	−20·05	W1122,$Si_4$2238,$L_5$4092.

No.	Lalande.	Mag.	Mean R.A. 1875·0.	Epoch.	Obs.	Ann. Prec.
3286	47142	7·0	$23^h\ 56^m\ 8^s\cdot45$	71·66	5	+3ˢ·065
3287	47145	8·0	23 56 16·54	75·78	1	3·058
3288	47150	7·0	23 56 21·92	73·76	3	3·057
3289	47148	7·7	23 56 22·56	75·35	6	3·071
3290	47152	8·1	23 56 26·03	77·79	1	3·061
3291	47171	7·5	23 57 0·			3·066
3292	47180	7·7	23 57 18·86	70·85	1	3·058
3293	47202	6·0	23 58 11·50	70·88	3	3·058
3294	47206	7·0	23 58 15·34	73·44	5	3·065
3295	47215	7·2	23 58 31·90	73·84	4	3·059
3296	47216	6·8	23 58 35·49	71·06	5	3·068
3297	47229	7·7	23 58 58·10	76·62	3	3·072
3298	47245	6·3	23 59 31·24	72·15	6	3·071
3299	47250	6·8	23 59 37·43	79·39	5	3·071
3300	47251	6·7	23 59 38·24	73·81	3	+3·070

No.	Mean N.P.D. 1875·0.	Epoch.	Obs.	Ann. Prec.	Authorities.
3286	74° 26 24″·9	72·86	6	−20″·05	W 1173, R 11908.
3287	62 9 13·3	75·78	1	20·05	R 11910.
3288	54 52 51·0	70·75	5	20·05	W 1180. [9383, Gl6396.
3289	88 33 48·5	75·35	6	20·05	W 1143, Bn, Sp 9967, L,
3290	62 26 42·0	77·79	1	20·05	W 1184, R 11915.
3291	70 1 27·3	66·90	2	20·05	W 1209, R 11922.
3292	48 40 21·5	68·88	2	20·05	W 1213, RC 6284.
3293	48 36 11·3	70·10	4	20·05	W 1236, RC 6292.
3294	56 25 47·7	73·44	5	20·05	W 1240.
3295	45 1 12·0	74·02	5	20·05	
3296	63 1 17·1	71·06	5	20·05	W 1256, Bn.
3297	87 5 23·9	75·56	4	20·05	Sp 9988.
3298	66 7 36·6	71·20	6	20·05	W 1284.
3299	65 46 43·6	79·39	5	20·05	W 1289.
3300	50 16 39·4	72·75	5	−20·05	W 1291.

NOTES.

The following pages contain a number of references to other Star Catalogues for which there was not space enough in the body of the Catalogue. I also give references to the lists of 480 stars with Proper Motion contained in Vol. VII. of the Bonn Observations (*Arg.*), and in an unpublished paper by Argelander, "Untersuchungen über neue Sterne mit Eigenbewegungen." The results of the latter are found in an inaugural dissertation by Dr J. Bischof: "Untersuchungen über die Eigenbewegung des Sonnensystems auf Grund von 480 Argelander'schen teleskopischen Fixsternen" (Bonn, 1884, 8vo.). Where no authority is given for the Proper Motion, it has been detected during the compilation of the present Catalogue, and has been deduced from all the materials available, Lalande's observations having been reduced anew by von Asten's tables.

No. in Cat.	Lalande.	
47	427	W 261, CA 7, Ar 52, RC_2 24, Si_4 20, Sp 121, Y 162.
85	865	13 Ceti. W 472, T 151, Ar 106, Si_2, 12 yr 32, 6 yr 32, 7 yr 38, N 7 yr 56, Sp 197, 9 yr 38, Gl 156.
87	880	W 479, T 154, N 7 yr 57, RC_2 53, Si_5 37, L_1 103, Y 273, Gl 158, St 215.
90	892	W 484, Ar 110, T_2, R_2 233, 7 yr 40, N 7 yr 58, RC_2 54, Y 275, St_1 19, Gl 159.
163	1992	W 1071, T 352, A 241, Si_1, N 7 yr 141, RC_2 125, Sp 370, Y 583, Gl 274.
192	2539	W 267, Ar 303, Si_2, 12 yr 108, 6 yr 76, Y 673', St 542, B 21.
217	2999	W 522, T 529, R 364, Ar 361, Si_2, R_2 791, RC_2 191, Si_3 121, Sp 487, Y 760, St 640; the Proper Motion in RA does not exceed $+0^s\cdot020$, as already remarked in the Edinburgh Cat.
233	3244	W 696, T 578, Ar 390, Si_2, Y 820, St_1 54, Gl 384, St 695.
254	3618	T 640, Oe 1182, 7 yr 175, Y 901, 9 yr 181, St_1 66, St 763, B 36.
277	3922	W 1075, Si_1, Si_2, Bn, Si_5 178, L_1 316, Y 965, Arg. 23 (Pr. Mot. $-0^s\cdot0185$ and $+0''\cdot374$).
296	4254	T 763, R 583, 12 yr 204, 7 yr 148, N 7 yr 308, RC_2 282, 9 yr 210.
300	4321	PM 221, T 772, Ar 510, Bn, 7 yr 149, N 7 yr 313, RC_2 284, Y 1041, St 917. Is Arg. 27, the Pr. Mot. $= +0^s\cdot0005 + 0''\cdot239$. See also Dunsink Obs. Part 4.
307	4381	W 347. There seems to be negative Pr. Mot. in RA, but unfortunately we have only one obs. in RA, though there are four in PD.

No. in Cat.	Lalande.	——
310	4449	W 268, Ar 525, Si_1, 7 yr 153, N 7 yr 321, Y 1070, St_1 82, 9 yr 216, Gl 537.
338	4818	30 Arietis (foll.) W 693, PM 253, T 867, Ar 564, R 667, RC 1861, R_2 1341, 12 yr 224, Bn, RC_2 314, Y 1149, B 59. Arg. 32, Pr. Mot. = $+0^s.0130 + 0''.017$.
342	4927	W 547, T 886, R 680, Ar 577, 6 yr 162, 7 yr 169, N 7 yr 349, RC_2 323, Sp 745, L_1 387, Y 1169, 9 yr 242, Gl 600, St 1057.
347	4975	CA 72, T 900, R 687, Ar 585, Oe 3088, 6 yr 165, RC 777, 9 yr 247.
384	5490	Arg. 37, Prop. Mot. $+0^s.0998 + 0''.688$.
388	5672	Ar 657, T 1032, Oe 1987, 6 yr 194, RC 867, 7 yr 200, RC_2 366, Y 1307.
413	6072	LL is $0^s.59$ and $11''.4$ less (only one wire), but W and Sp agree with Ar_2.
418	6106	Has probably a slight positive Proper Motion in NPD.
419	6158	T 1128, Ar 711, Oe 2186, 6 yr 212, Y 1383, St 1371, B 80.
425	6275	Very slight Pr. Mot. in NPD possible.
426	6254	
448	6638	Proper Motion = $+0^s.019$ and $+0''.22$.
460	6912	W 698, T 1266, Ar 787, Si_2, 12 yr 317, 6 yr 243, 7 yr 259, N 7 yr 466, Si_4 300, 9 yr 346, St 1552.
462	6938	Proper Motion in RA = $+0^s.024$ (Asten's tables make the RA $0^s.69$ greater than Baily).
475	7097	Arg. 47, Pr. Mot. = $-0^s.0420 - 0''.167$.
478	7146	W 987, PM 386, R 1016, Ar 825, R_2 1990, 12 yr 334, 6 yr 250, N 7 yr 486.
483	7253	T 1341, Ar 833, RC 1105, N 7 yr 494, Y 1717, Bn, St_1 135, St 1649.
495	7456	T 1373, Ar 849, RC 1127, N 7 yr 506, RC_2 447, Y 1746, St 1693.
521	7892	Pr. Mot. = $+0^s.027 + 0''.080$.
538	8178	T 509, R 1168, Ar 923, R_2 2247, 12 yr 364, 6 yr 278, RC 1213, 7 yr 314, N 7 yr 544, Y 1869, 9 yr 403.
565	8618	Very slight positive Pr. Mot. in NPD possible.
575	8775	W 694, T 1633, R 1242, Ar 1000, 6 yr 305, 7 yr 332, Y 1971, Gl 1124.
583		Observed for Ar 1009, but the latter is = DM + 44°, 1013 = LL 8814, the rough PD being erroneous, it should be 45° 32′.
624	9491	Proper Motion in RA = $+0^s.007$. There does not seem to be Pr. Mot. in PD.
634	9647	T 1825, Ar 1112, 12 yr 422, RC 1408, 7 yr 370, N 7 yr 643, RC_2 574, Y 2157, St, 186, 9 yr 473, St 2225.
664	10145	W 391, T 1957, Si_1, Ar 1183, N 7 yr 687, 9 yr 505, Gl 1320.
677	10394	Proper Motion = $+0^s.008 + 0''.35$. The NPD was also observed twice in 1859–60, 100° 9′ 55″.4, Epoch 1860·00. The PM in RA is somewhat doubtful. RA is misprinted, for $5^s.14$ read $4^s.14$.
689	10548	T 2058, Ar 1247, 12 yr 474, 6 yr 400, RC 1521, N 7 yr 725, RC_2 627, Y 2326, 9 yr 530.

No. in Cat.	Lalande.	———
708	10895	W 1273, T 2130, R 1555, Ar 1283, R_2 2723, 12 yr 487, 6 yr 409, Y 2380.
729	11196	Proper Motion = $+0^s.035 + 0''.53$.
741	11374	Has probably Pr. Mot. in NPD.
743	11447	W 1820, R 1687, Ar 1365, 12 yr 522, 7 yr 453, 9 yr 578.
751	11637	W 1540, T 2304, Ar 1382, Oe 4621, Bn, 7 yr 459, Si_4 510, L_5 199, St 2780.
753	11700	T 2326, Ar 1386, Oe 4665, Bn, N 7 yr 787, St 2801.
772	12018	W 265, T 2404, Ar 1426, Si_1, Sp 2128. Arg. 301, Pr. Mot. = $-0^s.0162 - 0''.162$.
788	12296	Pr. Mot. = $-0^s.031 + 0''.21$. Lalande has two obs.
812		PM 758, T 2593, Ar 1518, Oe 7126, RC 1789, RC_2 719, B 179.
848		T 2812, Ar 1600, Oe 6085, 12 yr 627, 6 yr 530, RC 1878, Bn, 7 yr 538, RC_2 754, Y 2845, St_1 261, St 3370.
857	13849	Pr. Mot. = $-0^s.011 + 0''.52$ (Frisby, Astr. Nachr., No. 2583).
873	14264	Very slight Pr. Mot. in NPD possible.
918		Observed for LL 15060. Minute of NPD possibly uncertain. Magnitude from the Berlin maps.
977	16304	Arg. 74, Pr. Mot. = $+0^s.0187 + 0''.975$.
985	16494	Proper Motion = $+0^s.010 + 0''.23$.
995	16616	Pr. Mot. = $-0^s.0092 + 0''.362$ (Frisby, Astr. Nachr., No. 2683).
1010	16964	Pr. Mot. = $-0^s.003$ and $+0''.18$ is probable.
1051	17802	W 1385, T 3928, Ar 1996, Si_1, 7 yr 686, RC_2 914, Sp 3315, Y 3803, Gl 2318.
1055	17853	Arg. XXX.; the Pr. Mot. ($-0^s.0125 + 0''.158$) is confirmed.
1080	18315	W 186, T 4060, Ar 2043, Si_2, N 7 yr 1139, Sp 3414, L_3 564, St_1 369.
1107	18832	W 597, Si_2, Si_5 421, Sp 3518, L_1 2542, Gl 2480.
1115	18984	T 4260, Ar 2120, 7 yr 744, RC_2 974, Sp 3551, L_1 2588, Gl 2511, St 2516.
1194	19991	W 166, T 4582, Ar 2236, Si_2, 12 yr 870, L_3 850, 9 yr 974, St 5607.
1210	20191	W 295, T 4649, R 3178, Ar 2260, Si_1, 12 yr 885, N 7 yr 1263, L_4 345, Y 4333, Gl 2710, St_1 414.
1237	20554	W 613, CA 229, Ar 2311, 12 yr 903, RC 2531, 7 yr 825, N 7 yr 1291, RC_2 1046, Y 4434.
1266	20961	W 844, Si_1, Si_2, T_2, L_1 3127, Y 4545, Gl 2822, St 6019.
1270	21006	W 876, T 4938, R 3401, Ar 2375, 7 yr 847, N 7 yr 1329, RC_2 1065, L_1 3137, Y 4568, Gl 2833.
1284	21164	W 979, T 4993, Ar 2390, Si_2, 7 yr 855, N 7 yr 1339, L_1 3169, Y 4608, St 6095.
1294	21358	Proper Motion in RA = $-0^s.017$. There seems to be none in PD.
1324	21828	W 358, Ar 2488, Sp 4150, L_1 3342, Y 4780, Gl 2957.
1347	22148	W 606, T 5372, R 3702, Ar 2527, 7 yr 923, RC_2 1125, L_2 671, 9 yr 1083, Gl 3013.
1383	22585	W 914, Si_2, Bn, Sp 4328, L_5 1089, Y 5019, Arg. 113. Pr. Mot. = $+0^s.0070 + 0''.468$.

No. in Cat.	Lalande.	———
1387	22632	W 1086, T 5322, R 3790, Ar 2586, 12 yr 988, Bn, RC_2 1156, Y 5031, Gl 3084, Arg. 114, Pr. Mot. = $-0^s.0359 + 0''.571$.
1394		Ar 2596, Oe 12318, T_2, 12 yr 990, RC 2799, 7 yr 953, N 7 yr 1443, 9 yr 1111.
1399	22798	W 7, PM 1383, Si_3 1417, L_5 1111, Y 5070, Arg. 336, Pr. Mot. = $+0^s.0223 + 0''.182$.
1432		W 344, T 5730, Ar 2679, Si_1, L_2 924, Gl 3178.
1440	23396	W 497, R 4002, Ar 2695, N 7 yr 1486, 9 yr 1158, Gl 3190.
1462	23640	Pr. Mot. = $-0^s.017$. No PM in NPD.
1477	23808	W 659, CA 286, T 5869, R 4118, Ar 2742, Si_1, 7 yr 1005, RC_2 1228, L_4 559, Gl 3251.
1484	23913	T 5898, Ar 2755, 12 yr 1026, 7 yr 1010, N 7 yr 1520, 9 yr 1182, Gl 3260, St 7080.
1494	23989	W 922, T 5923, Ar 2766, N 7 yr 1525, Gl 3269.
1517	24294	W 967, Si_2, Si_5 512, Sp 4713, L_1 3959, Gl 3309.
1527	24414	Arg. 129, Pr. Mot. = $+0^s.0054 + 0''.715$.
1554	24760	Not in any other Catalogue. Seems to have Pr. Mot. in RA = $-0^s.031$. LL has two observations.
1580	25049	W 426, T 6269, R 4348, Ar 2890, Sp 4845, Y 5591, 9 yr 1243.
1602	25380	W 670, PM 1558, 12 yr 1092, 6 yr 865, Sp 4913, L_2 1293, Gl 3435.
1636	25862	T 6562, R 4586, Ar 2997, Oe 13376, RC 3132, 7 yr 1125, RC_2 1352, St 7718.
1651	26056	W 90, R 4640, Si_1, Si_5 1594, Sp 5066, L_1 4313, Gl 3526.
1654		Companion to κ Bootis. T 6649, Ar 3029, 12 yr 1136, RC 3164, RC_2 1376, 6 yr 889.
1670	26247	T 6703, Ar 3050, Bn, N 7 yr 1656, RC_2 1390, Y 5934, St 7846.
1681	26375	T 6747, Ar 3062, Oe 13643, 7 yr 1149, N 7 yr 1660, Y 5966, St_1 575, St 7884.
1682	26422	W 382, T 6758, Si_2, N 7 yr 1663, L_3 1696, Y 5973, 9 yr 1319, St 7891.
1688	26464	W 407, T 6771, R 4720, Ar 3070, Si_1, L_1 4402, Y 5983, Gl 3588.
1706	26731	W 691, R 4775, T_2, 12 yr 1171, RC 3238, N 7 yr 1671, Y 6040, Gl 3620.
1712		T 6874, Ar 3100, Oe 13864, N 7 yr 1674, Y 6054, St 8007.
1724		T 6916, Ar 3119, Oe 13962, 12 yr 1190, 6 yr 925, RC_2 1424, Y 6098, St 8074.
1726	26995	PM 1661, T 6919, Ar 3121, Oe 13981, 12 yr 1191, 6 yr 926, RC_2 1425, Y 6102, 9 yr 1338.
1727	27055	Pr. Mot. in RA = $+0^s.018$. Great weight cannot be given to the Armagh place, as one of the screws binding the telescope to the circle was loose.
1733	27177	T 6967, R 4865, Ar 3136, Bn, Y 6140, St 8141.
1755	27572	W 1322, CA 345, R 4949, Ar 3172, RC_2 1458, 7 yr 1202, Gl 3726. Pr. Mot. = $+0^s.010 + 0''.18$ (Stone).
1757	27563	T 7064, Ar 3174, Oe 14307, Y 6234, St 8243.
1768	27744	W 99, Bn, RC_2 1463, Si_5 682, L_1 4651, Gl 3752; Arg. 161, Pr. Mot. = $-0^s.0804 + 0''.502$.

No in Cat.	Lalande	———
1772	27781	T 7119, Ar 3186, Oe 14408, 7 yr 1213, 9 yr 1366, St 8301.
1776	27904	W 237, R 5013, 12 yr 1235, 6 yr 964, N 7 yr 1721, Y 6284.
1783	27957	Pr. Mot. = $-0^s.022 + 0''.265$.
1813		T 7253, Ar 3236, Oe 14658, 6 yr 981, Y 6398, St_1 624, St 8467, B 323.
1824	28498	T 7298, R 5143, Ar 3259, Oe 14750, 12 yr 1276, 7 yr 1241, RC_2 1500, Y 6450, St_1 632, 9 yr 1395, St 8516.
1832	28607	Pr. Mot. = $-0^s.080 + 0''.35$ (Weiss, V.J.S. XIII., p. 174).
1835	28673	W 707, T 7331, R 5163, Ar 3273, Si_1, N 7 yr 1763, Gl 3869.
1847	28804	T 7360, Ar 3290, Oe 14933, 12 yr 1291, RC 3450, RC_2 1517, Y 6525, St_1 644, 9 yr 1412, St 8608.
1852	28878	T 7376, Ar 3299, Oe 14974, 7 yr 1264, N 7 yr 1780, RC_2 1521, Y 6544, St_1 647, 9 yr 1416, St 8628.
1855	28891	T 7382, Ar 3304, Oe 14983, 6 yr 1007, Y 6549, 9 yr 1417, St 8632.
1859	28975	W 908, T 7400, Ar 3314, Si_1, L_4 595, Gl 3913.
1861	28987	South comp. of Double. PM 1756, W 917, Si_2, Bn, Si_5 759, Sp 5637, L_1 4910, Gl 3918.
1865		T 7413, Ar 3319, Oe 15077, 12 yr 1307, RC 3470, 7 yr 1279, N 7 yr 1795, RC_2 1535, Y 6586, St_1 653, 9 yr 1429, St 8676.
1867	29070	W 972, R 5246, Si_5 765, Sp 5652, L_1 4932, Arg. 377, Pr. Mot. = $-0^s.0184 - 0''.087$.
1870	29110	W 1000, T 8334, R 5253, Ar 3329, Si_2, N 7 yr 1803, L_3 2083, Gl 3938.
1872		The "new star" T Coronæ, Bn, N 7 yr 1804, Y 6609, 9 yr 1434.
1873	29138	W 1015, T 7440, Ar 3330, Si_1, 12 yr 1314, L_2 1906, 9 yr 1435, Gl 3940.
1874		T 7443, Ar 3333, Oe 15154, Y 6620, 9 yr 1437, St 8721.
1880	29259	Pr. Mot. = $-0^s.014$ and $+0''.14$.
1885		T 7484, Ar 3347, Oe 15252, Bn, 7 yr 1291, Y 6662, St_1 664, 9 yr 1450, St 8769.
1891	29440	W 19, Si_2, Si_5 779, L_3 2129, Gl 3980.
1908	29693	W 304, T 7572, R 5362, Ar 3388, 9 yr 1466, B 347.
1912	29752	Pr. Mot. = $+0^s.011$ and $-0''.34$.
1935	30044	W 439, R 5427, Si_1, L_2 2083, Y 6814, Gl 4066; Arg. 177 = $-0^s.0292 + 1''.364$.
1949	30271	Pr. Mot. in PD = $+0''.48$.
1965	30483	W 734, T 7762, R 5532, R, Ar 3456, Si_1, N 7 yr 1894, L_1 5303.
1968	30535	PM 1869, T 7774, Ar 3462, N 7 yr 1897, L_1 5318, Y 6933.
1974	30583	W 797, T 7784, R 5553, R, Ar 3467, 12 yr 1405, N 7 yr 1900, Si_3 1868, L_5 2021, Y 6950.
1981	30671	W 859, Si_2, Sp 6000, L_3 2292, Y 6977, Gl 4158.
1984	30694	W 873, Si_1, Bn, Sp 6007, L_1 5371, Y 6988, Gl 4162; Arg. 181, Pr. Mot. = $-0^s.0470 + 1''.443$.
1988	30750	T 7842, Ar 3481, Oe 16123, N 7 yr 1909, Y 7008.
2001	30930	W 1008, R 5625, Ar 3500, Si_1, T_2, 6 yr 1375, L_2 2297, Gl 4185.
2013	31068	W 1097, PM 1894, Si_4 1524, L_5 2057, Y 7090.

No. in Cat.	Lalande.	———
2021	31188	W 3, Si_2, RC 3658, Si_3 1899, L_5 2067 ; Pr. Mot. in NPD = + 0″·108 (Tupman, M.N., XLV., p. 482), but it seems doubtful. Possibly LL is merely 10″ wrong in PD.
2063	31804	W 376, T 8087, R 5856, Ar 3578, 6 yr 1127, Sp 6245, L_1 5633.
2082	32255	T 8174, R 5943, Ar 3604, Oe 17323, RC 3730, Y 7349, Gl 4350.
2106	32568	R 6034. Lalande's PD is 5′ too small ; in H.C. p. 295, the Z.D. should evidently be 12° 38′ 39″ instead of 12° 33′ 39″. This correction is not given in Bonner Beob. VII.
2124	32762	W 962, L_4 844, Gl 4423. Arg. 394, Pr. Mot. = − 0ˢ·0002 + 0″·159.
2141	33060	W 1154, T 8347, Ar 3667, 6 yr 1451, L_3 2546, St_1 793.
2155	33241	T 8385. Arg. 395, Pr. Mot. = + 0ˢ·0040 + 0″·159.
2160	33341	W 22, Ar 3689, N 7 yr 2004, RC_2 1726, B 376.
2170	33449	T 8422, Ar 3700, Oe 17871, L_6, Y 7698, B 379.
2186		R 6386, Ar 3720, T_2, Bn, RC_2 1739, L_3 3103, Gl 4511.
2219	34218	W 550, PM 2100, Si_2, Si_3 2032, Sp 6781, L_5 2420.
2232	34418	W 794, R 6597, Bn. Arg. LXIII., but there is no Pr. Mot.
2251	34632	W 822, Si_1, Sp 6884, L_2 3468, Gl 4575.
2283	34981	W 1054, R 6738, Si_5 1057, Sp 6969, L_1 6387.
2306	35284	W 1244, Bn, L_2 3707, Gl 4643. Arg. LXVII., no Pr. Mot.
2353	35817	W 1923, T 8795. Pr. Mot.?
2355	35851	R 7099. Pr. Mot. = + 0ˢ·005 (?) and + 0″·34.
2362	35872	W 21, Si_2, Si_5 1099, L_1 6628, Gl 4716.
2368	35972	W 69, T 7145, Sp 7187, L_4 1282, Gl 4724.
2396	36447	W 309, PM 2272, 12 yr 1711, 9 yr 1763, Gl 4759.
2400	36376	T 8880, Ar 4013, Oe 19426, 12 yr 1713, 6 yr 1251, Y 8261.
2414	36532	W 377, Si_1, Sp 7302, L_2 4151, Gl 4770.
2430	36781	W 511, R 7466, L_4 1426, Gl 4792.
2434	36800	W 534, Si_1, Bn, L_2 4261, Gl 4798.
2504	37686	PM 2359, T 9109, Ar 4171, 7 yr 1604, N 7 yr 2181, 9 yr 1812, PM in NPD = + 0″·44 (Stone).
2513	37766	Slight Pr. Mot. in NPD possible.
2528	37861	T 9150, Ar 4193, Oe 20071, 12 yr 1780, N 7 yr 2206, RC_2 1913, L_6, Y 8562, St_1 913, 9 yr 1825, St 10707.
2543	38100	W 1300, Si_2, Si_3 2206, Sp 7724, L_5 3055. Arg. 422, Pr. Mot. = − 0ˢ·0213 + 0″·374.
2565	38380	W 1910, Bn ; Arg. 203 = + 0ˢ·0549 + 0″·553.
2586	38612	W 45, PM 2419, R 8047, Si_1, Sp 7854, L_2 5002, Gl 5022.
2608	38995	W 272, Si_1, Sp 7953, L_1 7429, Gl 5078.
2613	39035	T 9362, R 8192, Ar 4345, Oe 20428, 12 yr 1822, 6 yr 1313, 7 yr 1667, N 7 yr 2280, L_6, Y 8815, St_1 946, 9 yr 1886, St 10888.
2648	39502	W 817, T 9451, Ar 4395, 7 yr 1685, Y 8896, 9 yr 1906.
2652	39591	R 8389, Oe 20625, T_2, RC 4824, Bn, Gl 5155 ; Arg. 209, Pr. Mot. = + 0ˢ·0096 − 0″·183.
2682	39833	T 9523, R 8496, Ar 4433, Oe 20710, 12 yr 1848, L_6, Y 8976, St_1 974, 9 yr 1920.

No. in Cat.	Lalande.	———
2684	39934	Pr. Mot. in PD = + 0″·17. LL has only one wire and no fraction of second, but there may be a slight positive Pr. Mot. in RA.
2704	40164	W 1057, Si_1, L_2 5567, Y 9074, Gl 5252.
2729	40405	W 1211, Si_2, Bn, Sp 8372, L_1 7904, Gl 5286.
2732	40484	W 1264, T 9683, L_1 7927; Pr. Mot. = − 0ˢ·004 + 0″·26.
2741	40604	W 1640, Pr. Mot. = + 0ˢ·18 − 0″·23.
2751	40720	PM 2536, T 9725, Oe 21436, RC 5056, 9 yr 1963, Gl 5313.
2771	40866	T 9770, Oe 21123; Arg. 441, Pr. Mot. = − 0ˢ·0168 + 0″·075.
2798	41287	W 184, R, Si_3 2388, Sp 8592, L_5 3575.
2806	41386	W 251, L_4 2560, Gl 5415; Arg. 446, Pr. Mot. = + 0ˢ·0006 + 0″·105.
2835	41700	W 446, L_2 5969; Pr. Mot. in PD = + 0″·30, probably none in RA (LL 1ˢ too small).
2853	41870	W 561, Bn, Si_4 1996, L_5 3669, Y 9404.
2870		W 707, Ar 4704, Si_2, T_2, Bn, Y 9446, Gl 5523.
2873	42156	W 743, T 10048, Ar 4708, Si_1, 7 yr 1789, Gl 5533, St 11437.
2883	42286	W 856, Pr. Mot. in RA = + 0ˢ·026.
2888	42295	W 847, Ar 4726, Si_1, L_2 6106, Gl 5557.
2908	42569	W 1023, R 9531, Si_3 2462, Sp 8875, L_5 3770.
2919	42687	W 1102, PM 2640, R 9605, Sp 8911, L_3 4423, Gl 5621.
2933	42843	W 1200, Si_1, L_2 6204, Gl 5649, Pr. Mot. = − 0ˢ·020 + 0″·18.
2936	42883	W 1278, R 9716, Bn, 7 yr 1830, Arg. 224, Pr. Mot. = − 0ˢ·0289 + 0ˢ·407.
2939	42898	W 1240, R 9736, Ar 4801, RC 5491, Si_4 2059, Sp 8969, L_5 3814.
2941	42929	W 1259, T 10213, R 9754, Ar 4803, Si_1, N 7 yr 2507, L_3 6212, Gl 5661.
2972	43286	W 72, T 10298, R 9908, Ar 4857, N 7 yr 2543, RC_2 2181, Si_3 2493, Sp 9061, L_5 3853, Y 9736, Gl 5724.
2988	43493	W 234, T 10340, R 10027, 7 yr 1861, Y 9778, 9 yr 2090, Gl 5766.
2990	43518	W 205, R 10050, Si_1, Bn, Si_5 1259, Sp 9105, L_1 8756, Gl 5772.
3008	43672	RA's differ 0ˢ·54 inter se; both observations made in 1878.
3014	43751	Arg. 229, Pr. Mot. = + 0ˢ·0289 − 0ˢ·115.
3035	43974	W 493, R 10301, Si_2, 6 yr 1469, Bn, Sp 9210, L_3 4586.
3042	44073	CA 520, T 10450, Ar 4958, 7 yr 1891, RC_2 2234, St 11793.
3044	44154	R 10396, Ar 4964, Sp 9235, L_4 3118.
3064	44459	W 772, Y 9989, Sp 9301, Gl 5922, Pr. Mot. = + 0ˢ·010 − 0″·33.
3072	44605	T 10540, Ar 5019, Oe 24635, RC 5826, RC_2 2256, Y 10015, Gl 5945.
3074	44568	W 835, T 10539, Ar 5018, Si_4 2133, Sp 9332, L_5 3967, Y 10017.
3083	44738	Oe 24756, LL's RA is 1ˢ·14 less, but he has only one wire and no fraction of second. In PD there may be a very slight negative Pr. Mot.
3087		W 947, Ar 5037, Si_1, Sp 9378, L_4 3221, Gl 5981.
3089	44786	W 1076. LL's RA is 6ˢ·0 too large; 43ᵐ 17ˢ in H.C. should be 43ᵐ 11ˢ. This correction is not given in Bonner Beob. VII.

No. in Cat.	Lalande.	——
3092	44824	W 988, T 10576, Ar 5050, Si_1, 12 yr 2058, 7 yr 1918, N 7 yr 2619, RC_2 2273, Sp 9393, L_1 9026, Y 10068, Gl 5997.
3098	44888	W 1042, Ar 5057, T_2, Bn, Sp 9414, Gl 6010. Arg. LXXXII., but there seems to be no Pr. Mot.
3100	44920	CA 533, W 1064, Si_1, T_2, Gl 6019. Pr. Mot. = $+0^s.025$ $0''.17$ (CA has $+0^s.029 + 0''.24$). The Pr. Mot. is omitted in BAC.
3103	44946	W 1084, T 10595, R 10771, Ar 5065, Si_1, N 7 yr 2626, RC_2 2279, Sp 9436, L_1 9043, Gl 6026.
3106	44972	W 1099, T 10604, Si_2, Sp 9441, L_5 4004, Gl 6029.
3111	45028	Y 10126. Pr. Mot. = $+0^s.031$ and $+0''.28$.
3122	45199	W 1359, T 10638, L_6, Arg. 466, Pr. Mot. = $+0^s.0224$ $-0''.032$.
3126	45234	W 1269, R 10824, Si_2, Bn, Si_5 1323, Sp 9501, L_1 9093, Gl 6073.
3127	45268	Ar 5098, Oe 25149, T_2, RC 5961, N 7 yr 2644, Y 10180, Gl 6076.
3128	45265	W 1281, Si_2, Bn, Si_5 1324, L_1 9096, Gl 6079, Arg. 467, Pr. Mot. = $+0^s.0116 + 0''.026$.
3136	45394	W 52, CA 538, Ar 5111, RC 5984, RC_2 2299, N 7 yr 2652, Y 10206. Pr. Mot. = $-0^s.020 + 0''.178$ according to CA.
3143	45436	W 89, R 10896, Sp 9556, L_1 9125, Gl 6106.
3163	45680	W 249, Ar 5144, Si_2, Sp 9604, Y 10287, Gl 6144, Pr. Mot. = $+0^s.016 + 0''.14$.
3167		W 280, R 11046, Ar 5154, Si_2, Bn, Y 10299, Gl 6155.
3197	46085	T 10795, R 11295, Ar 5202, St 12188.
3216	46300	Oe 25838, Bn, Arg. 245, Pr. Mot. = $+0^s.0367 + 0''.018$.
3218	46344	W 701, Pr. Mot. = $+0^s.020 - 0''.24$.
3221	46399	W 692, T 10848, Ar 5232, RC 6152, RC_2 2345, Si_3 2661, Sp 9780, 9 yr 2219, Gl 6293, St 12242.
3227	46442	W 710, PM 2843, Si_1, Bn, Y 10456, Gl 6273.
3233	46532	W 767, Si_2, Si_5 1389, L_1 9296, Y 10474, Gl 6284.
3250	46684	W 871, T 10898, R 11646, Ar 5267, 6 yr 1549, N 7 yr 2730, Si_3 2675, Sp 2675, Sp 9887, Gl 6320, St 12306.
3259	46772	W 914, T 10915, R 11593, Ar 5278, N 7 yr 2736, L_4 3514, Y 10527, Gl 6333.
3284	47115	W 1116, T 10979, R 11889, 12 yr 2144, 6 yr 1560, 7 yr 2009, RC_2 2380, Sp 9962, Y 10610, 9 yr 2251, St 12409.

Corrections to the Armagh Catalogue for 1840.

No.	——	No.	——
382	Seconds of PD should be 45″·03.	2733	Degrees of PD are 55° (not 52), Prec. in RA 2ˢ·932, sec. var. −0ˢ·014.
386	,, ,, ,, 29″·36.		
485	,, ,, ,, 39″·35.		
690	,, ,, ,, 19″·47.	2826	Seconds of RA should be 24ˢ·26.
703	,, ,, ,, 1″·96.	2846	,, PD ,, 24″·06.
784	,, ,, ,, 34″·90.	2858	= BW 286, RA = 13ʰ 14ᵐ 18ˢ.
815	,, ,, ,, 44″·06.	2873	Seconds of PD should be 49″·32.
823	,, RA ,, 1ˢ·43.	3075	PD should be 39° 0′.
851	,, PD ,, 30″·58.	3377	Seconds of PD should be 24″·65.
860.	,, ,, ,, 48″·97.	3727	= LL 33792, Baily's RA being wrong.
1009	= LL 8814, PD should be 45° 32′.	3755	PD should be 107° 53′ 27″·22 (see Astr. Nachr. No. 1924).
1035	PD belongs to P. 55 and should be 31° 29′ 54″·87.	3835	= 3831.
1437	PD should be 31° 30′ 20″·53.	3908	= 3909.
1512	= 1507.	3999	Seconds of PD should be 27″·63.
1724	Seconds of PD should be 9″·19.	4058	,, ,, ,, 16″·17.
2027	,, RA ,, 31ˢ·96.	4138	PD should be 41° 2′ (DM 49°, 3069).
2076	,, PD ,, 31″·86.	4307	= BW 116, PD 86° 59′.
2257	= 28 Leonis min. The rough PD is not in the original.	4361	= BW 400, RA 20ʰ 15ᵐ 44ˢ·95, PD 80° 12′.
2364	= BW 927, PD should be 62° 57′.	4385	= Rümker 8317, PD 70° 46′.
2395, 2398, 2520	To be struck out.	4409	= Oe 20647, PD 41° 29′.
		4456	= Oe 20909, PD 33° 8′.
2549	Seconds of RA should be 21ˢ·29.	4604	Seconds of PD should be 4″·61.
2552	Epoch of PD is 1850·50.	4836	,, ,, ,, 59″·84.
2674	= 2676.	5037	= BW 947, PD 80° 37′·5.
		5313	Seconds of PD should be 57″·98.

Errata in the Present Catalogue.

No.	——
677	Seconds of RA, *for* $5^{s}\cdot14$ *read* $4^{s}\cdot14$.
1324	In column "Obs." (p. 60) *dele* the figure 2.
1579	is = T 6270.
1783	Epoch of PD should be 79·63.
2044	Seconds of RA, *for* $49^{s}\cdot15$ *read* $48^{s}\cdot58$.
2116	Seconds of NPD, *for* $12''\cdot7$ *read* $2''\cdot7$.
2544	Seconds of RA, *for* $59^{s}\cdot87$ *read* $59^{s}\cdot97$.
2836	Seconds of RA, *for* $37^{s}\cdot89$ *read* $38^{s}\cdot09$.

In the column "Authorities," the words "See *Notes*" should be added at the following Numbers:—425, 788, 985, 995 1010, 1294, 1949, 3064.

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