

Elements and ephemeris of (581) Tauntonia.

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(Communicated by Captain *W. F. Barnette*, U. S. N. Superintendent, U. S. Naval Observatory.)

An observation of this asteroid made at the U. S. Naval Observatory, March 20, 1907, gave the corrections $\Delta\alpha = +56^s$, and $\Delta\delta = -3'.4$ to the ephemeris in A. N. 4156; which was computed from the elements given in A. N. 4128. By changing the mean motion to $\mu = 617''.200$

and the mean distance, correspondingly, to $a = 3.209129$ these residuals were reduced to $\Delta\alpha = +1^s$ and $\Delta\delta = -0'.3$; and the following ephemeris for 12^h Grw. M. T. is computed from the corrected elements.

1908	α app.	δ app.	$\log A$
May 15	16 ^h 38 ^m 8 ^s .6	-1° 49' 41"	0.3803
19	35 3.6	1 52 14	3781
23	31 51.6	1 56 47	3767
27	28 35.2	2 3 24	3761
31	25 17.5	2 12 9	3763
June 4	22 1.3	2 23 2	3772
8	18 49.2	2 36 3	3790
12	16 15 43.8	-2 51 7	0.3816

1908	α app.	δ app.	$\log A$
June 12	16 ^h 15 ^m 43 ^s .8	-2° 51' 7"	0.3816
16	12 47.7	3 8 9	3849
20	10 2.9	3 27 3	3888
24	7 31.2	3 47 42	3934
28	5 14.4	4 9 59	3986
July 2	3 14.1	4 33 45	4043
6	1 31.4	4 58 51	4105
10	16 0 7.0	-5 25 8	0.4171

Magnitude 13.5.

New asteroid 1908 CV.

An asteroid of the 11th magnitude, whose position is not given in the Berliner Jahrbuch was photographed here on Febr. 8th. Its approximate places derived from plates are as follows:

Greenw. M. T.	α 1908.0	δ 1908.0
1908 Febr. 9.19243	9 ^h 21 ^m 0 ^s .7	+17° 58' 26"
» 26.04712	9 7 52.5	+20 28 59
Mar. 8.14205	9 1 18.2	+21 49 33

From these three places, the following elements have been computed.

Epoch 1908 Febr. 9.0 Gr. M. T.

$$\begin{aligned} M &= 318^\circ 39' 52'' \\ \pi &= 210 \quad 3 \quad 17 \\ \Omega &= 131 \quad 54 \quad 59 \\ i &= 13 \quad 42 \quad 15 \\ \varphi &= 17 \quad 46 \quad 19 \\ \mu &= 620''.44 \\ \log a &= 0.50487 \end{aligned} \quad \left. \begin{array}{l} \\ \\ \\ \\ \\ \end{array} \right\} 1908.0$$

Tokyo Astronomical Observatory, Azabu, Tokyo, 1908 March 26.

S. Hirayama.

Ephemeride des Planeten 1908 CV

gerechnet aus Hirayamas Elementen für 12^h M. Z. Berlin.

1908	α vera	δ vera	$\log r$	$\log A$
April 17	9 ^h 4 ^m 59 ^s	+23° 43'.0	0.3912	0.3043
19	6 20	23 41.6		
21	7 47	23 39.7		
23	9 19	23 37.2		
25	10 57	23 34.2	0.3877	0.3208
27	12 40	23 30.6		
29	9 14 29	+23 26.4		

1908	α vera	δ vera	$\log r$	$\log A$
April 29	9 ^h 14 ^m 29 ^s	+23° 26'.4		
Mai 1	16 23	23 21.7		
3	18 21	23 16.5	0.3843	0.3369
5	20 24	23 10.7		
7	22 32	23 4.4		
9	24 44	22 57.6		
11	9 27 0	+22 50.3	0.3809	0.3525

Kiel, Bureau der Astron. Nachrichten, 1908 April 15.

M. Ebell.

Berichtigungen zu Nr. 4228 Bd. 177 p. 61 Z. 12 v. u. RU Capricorni δ (1900.0) lies: -22° 1' 45".2

» » » » » » » 9 » RS Aquarii α (1900.0) lies: 21^h 5^m 44^s.13, δ (1900.0) lies: -4° 26' 7".8

» » » » » » » 7 » RT Aquarii α (1900.0) lies: 22^h 17^m 42^s.28, δ (1900.0) lies: -22° 33' 38".8.