Observations of Neptune.

1847	M. T. Wash.	Observed AR.	Observed Decl.	Nr. 7722 B. A. C.
March 24	17 ^h 25 ^m 35 ^s	22 ^h 05 ^m 54 ^s 50	—12°16'45"60	Mean Equin. 1847,0
April 2	17 02 48	06 58,07	11 09,23	—
4	16 45 22	07 12,09	09 57,54	—
6	16 47 22	07 24,99	08 48,64	—
7	16 39 30	07 31,52	08 15,79	—
9	16 35 48	07 43,75	07 09,72	—
11	15 36 18	07 56,00	06 03,83	—

M. F. Maury. N. S. N.

Auszug aus einem Schreiben des Herrn *Sheepshanks*, Secretairs der Königl. Astron. Gesellschaft an den Herausgeber.

London. Mai 19.

I send you the following observations of Astræa made at the Cambridge Observatory.

1847	Greenw. m. T.	AR.	Calc. — Obs.	N. P. D.	Calc. — Obs.
April 8	13 ^h 25 ^m 25 ^s 1	16 ^h 6 ^m 55 ^s 28	+0 ^s 29	102°51'37"2	+23"3
13	13 10 46,1	16 5 7,73	+0,60	102 34 0,7	+14,7
May 4	11 43 14,3	15 50 53,32	+1,30	101 14 25,2	+22,1
12	12 22 36,8	15 43 34,52	—1,47	100 46 27,8	+24,9

April 8 and 13 Stars of comparison *Bessel* Zone 146 AR. 16^h4^m45^s

May 4 51 Libræ from the B. A. Catalogue

— 12 Meridian Observation.

Observations of Neptune.

1847	Greenw. m. T.	AR.	N. P. D.
May 6	15 ^h 13 ^m 49 ^s	22 ^h 9 ^m 53 ^s 40	101°55'53"1
11	15 24 1	22 10 9,03	101 54 38,0

Stars of comparison *Bessel* Z. 127 and 129 AR. 22^h15^m11^s, the place computed from *Bessel*. The Observations of May 6 made with difficulty. Twilight and indifferent weather.

Elements of Neptune by Mr. *Adams*.These were founded on *Lalande's* Observations in 1795,

on the Observations at its last appearance, and on the Cambridge Observations. Mr. *Adams* promises an early attention to the perturbations, but the present elements are on the Supposition of an undisturbed ellipse.

1847 Jan. 1.	Mean Longitude	328°13'54"5	} Mean Equ. 1847,0
	Long. Perih. (on Orbit)	11 13 41,5	
	Long. Asc. Node	130 5 39,0	
	Inclination	1 47 1,5	
	Mean daily Motion	21"3774	
	Semixis Major	30,2026	
	Excentricity	0,008383	

Sheepshanks.

Beobachtungen der Astræa auf der Hamburger Sternwarte.

	M. Hamb. Zt.	Sch. AR. $\frac{\text{P}}{\text{S}}$	Sch. Decl. $\frac{\text{P}}{\text{S}}$	Vergl.
Mai 13	11 ^h 11'53"1	235°40'47"8	—10°43'51"	15
15	11 7 3,1	235 12 35,5	10 37 40,1	9
16	12 3 40,7	234 57 52,2	nicht abgelesen	Meridiankreis
—	13 11 13,6	234 57 14,8	10 34 30,1	8
21	11 39 23,4	233 48 15,4	10 21 11,0	Meridiankreis
24	11 24 53,1	233 7 28,9	10 14 31,4	Meridiankreis
—	12 12 9,9	233 7 12,0	10 14 12,0	7

Am Meridiankreis bestimmte scheinbare Oerter der verglichenen Sterne.

	AR. in Zeit.	Decl.
Mai 15	15°41'40"449	—10°35'28"9
—	15 45 52,900	10 37 58,4
24	15 34 56,056	10 25 49,7

C. Rümker.