

FILAR-MICROMETER OBSERVATIONS OF COMET 1890 IV (ZONA),

MADE WITH THE 8-INCH EQUATORIAL OF THE OBSERVATORY OF YALE UNIVERSITY,

By F. L. CHASE.

1890 New Haven M.T.	*	No. Comp.	Planet — *		Planet's Apparent		log $p\Delta$	
			$\Delta\alpha$	$\Delta\delta$	α	δ	for α	for δ
Nov. 20 ^{d h m s} 14 57 29.5	1	11, 11	—1 ^{m s} 10.82	—3 ^{' "} 53.3	5 ^{h m s} 4 58.53	+34 ^{° ' "} 32 5.2	9.406	0.164
29 6 56 57.6	2	9, 9	+0 53.83	—1 38.6	4 13 41.14	+35 9 49.1	9.705	0.537
Dec. 2 9 1 21.7	3	8, 8	+0 25.37	—4 51.0	3 56 3.30	+35 0 53.3	9.452	0.181
4 10 5 13.1	4	7, 6	+0 59.34	+3 37.8	3 44 50.18	+34 48 44.9	9.010	0.012
7 9 1 43.7	5	12, 12	+0 20.20	—5 18.1	3 29 24.75	+34 26 43.6	9.263	0.094
12 8 35 23.6	6	6, 6	+0 3.55	+4 3.2	3 5 54.79	+33 34 40.5	9.165	0.113
13 8 19 15.2	7	8, 8	+2 16.00	+1 57.8	3 1 38.11	+33 23 4.0	9.208	0.129
14 7 16 31.6	8	8, 8	—2 9.24	—1 1.5	2 57 39.11	+33 11 3.8	9.439	0.237
15 7 33 6.7	9	12, 12	—1 10.48	+2 9.5	2 53 33.68	+32 58 39.3	9.352	0.202

Mean Places for 1890.0 of Comparison-Stars.

*	α	Red. to app. place	δ	Red. to app. place	Authority
1	5 ^{h m s} 6 5.68	+3.67	+34 ^{° ' "} 35 47.8	+11.2	Weisse's Bessel V, 66
2	4 12 43.48	+3.82	+35 11 16.7	+10.7	Bonn VI, 35° 845
3	3 55 34.12	+3.81	+35 5 31.6	+12.7	Weisse's Bessel III, 1143
4	3 43 47.10	+3.74	+34 44 53.2	+13.9	Yarnall 1730
5	3 29 0.88	+3.67	+34 31 46.3	+15.4	Bonn VI, 34° 690
6	3 5 47.70	+3.54	+33 30 19.8	+17.5	Bonn VI, 33° 600
7	2 59 9.41	+3.50	+33 20 11.9	+18.5	Weisse's Bessel, II, 1373
8	2 59 35.64	+3.51	+33 11 21.5	+18.1	" " II, 1384 [+15' 37".1]
9	2 52 3.17	+3.44	+32 40 34.1	+18.6	Comp. with W.B. II, 1195 (+2 ^m 37 ^s .55)

FILAR-MICROMETER OBSERVATIONS OF ASTEROIDS (287) NEPHTHYS AND
(6) HEBE,

MADE WITH THE 8-INCH EQUATORIAL OF THE OBSERVATORY OF YALE UNIVERSITY,

By F. L. CHASE.

1891 New Haven M.T.	*	No. Comp.	Planet — *		Planet's Apparent		log $p\Delta$	
			$\Delta\alpha$	$\Delta\delta$	α	δ	for α	for δ
(287) <i>Nephtys</i> .								
Jan. 14 ^{d h m s} 8 30 36.5	1	10, 10	—1 ^{m s} 41.79	—3 ^{' "} 6.0	6 ^{h m s} 4 46 47.83	+13 ^{° ' "} 16 2.2	9.464	0.649
16 8 50 36.6	2	12, 12	+0 34.47	—4 5.4	6 44 50.74	+13 28 4.9	9.387	0.634
(6) <i>Hebe</i> .								
Jan. 25 11 31 48.0	3	10, 10	—0 20.88	+2 58.3	10 9 0.05	+12 28 23.0	9.401	0.648
26 10 7 0.4	4	9, 9	+0 44.01	—3 37.8	10 8 18.80	+12 37 27.1	9.562	0.680
27 11 36 49.5	4	10, 10	—0 4.57	+6 50.6	10 7 30.23	+12 47 55.5	9.359	0.638
Feb. 1 9 55 25.7	5	20, 20	+1 44.62	+4 18.0	10 3 29.96	+13 37 33.4	9.540	0.662
2 10 21 45.9	6	11, 11	—1 19.51	+6 9.1	10 2 37.59	+13 48 1.2	9.483	0.647
4 9 12 43.2	7	12, 12	+2 21.22	+1 0.5	10 0 55.50	+14 8 21.8	9.580	0.669
8 9 44 59.5	8	16, 16	+0 34.80	—1 40.0	9 57 17.50	+14 50 12.3	9.499	0.646