

made with spectrograph III L, whose linear dispersion at $H\gamma$ is 10.1 tenth-metres per millimetre. The measures of these are given in the table. Quite a number of these results are the means of two measures. Nearly all the plates were measured by the writer, but independent measures were made on several by other observers, Messrs. Westland, Cannon and Parker, and there was good agreement in the results obtained. The phases are reckoned from the corrected value of periastron passage, Julian Day 2,410,101.6, using the period 2175 days.

EARLY MEASURES

Observatory	Date	Julian Date	Phase	Velocity	Wt. Assigned	Residual
Potsdam	1888, Dec. 14	2,410,986.5)	896.4	- 18.1	$\frac{1}{2}$	+ 0.5
Potsdam	1889, Jan. 6	1,009.5)		14.2	$\frac{1}{2}$	
Lick	1899, Sept. 21	4,919.9	468.3	15.4	1	- 1.0
Lick	Oct. 24	4,952.9	501.3	15.1	1	- 0.4
Verkes	1901, Nov. 15	5,704.8	1253.2	15.4	1	+ 0.3
Verkes	Nov. 20	5,709.8	1258.2	14.9	1	+ 0.8
Verkes	Nov. 27	5,716.8	1265.2	16.4	1	- 0.7
Lick	1904, Jan. 27	6,507.8	2056.2	4.7	1	+ 0.1
Verkes	Dec. 6	6,821.8	195.2	8.7	1	+ 0.2
Lick	1905, Feb. 13	6,890.7	264.1	10.4	1	+ 0.2
Lowell	1905, Mar. 10	6,915.7)	294.1	11.	$\frac{1}{2}$	- 0.2
Lowell	Mar. 20	6,925.7)		12.	$\frac{1}{2}$	
Lowell	Apr. 6	6,942.6)	319.5	11.	$\frac{1}{2}$	+ 0.4
Lowell	Apr. 13	2,416,949.6)		11.8	$\frac{1}{2}$	