

π SAURCENS

(1900, $\alpha = 11^h 55^m.7$, $\delta = +7^\circ 40'$, mag. 4.57, type A3)

This star was announced a spectroscopic binary by Albrecht in *Lick Observatory Bulletin*, V, 175, from three plates in 1909 giving a range from +18 to -21. In *Astrophysical Journal*, vol. XXXIX, 46, Lee gives the measures of four plates made in 1906, 1907 and 1909 showing a variation from +6 to -33. Two plates were made here in 1910 and their measures published in the Chief Astronomer's report for 1911. Their velocities are slightly changed in the table below to agree with the different wave-lengths used in the recent measures. The thirteen additional plates secured all give quite negative velocities, and it would appear that the time when positive velocities are possible is very short relative to the whole period, a condition which would obtain if the eccentricity were fairly high and ω around zero. The velocity of the system would seem to be about 20 km. per sec. negative. The lines are only fair for measurement on our single-prism plates. The measures follow.

Plate	Date, G.M.T.	Velocity	Lines
3349	1910, Mar. 18.868	26.0	3
3383	April 11.792	21.8	3
8066	1917, Feb. 18.806	16.9	12
8078	" 27.830	26.4	10
8085	Mar. 1.751	35.8	13
8094	" 2.810	29.8	9
8133	" 30.727	26.4	6
8136	April 3.601	35.2	6
8139	" 8.590	35.7	9
8143	" 10.612	11.2	8
8147	" 16.753	30.7	9
8152	" 22.578	30.2	10
8155	" 23.702	12.5	7
8159	" 24.676	30.7	7
8166	May 13.725	33.7	4