

10 SERPENTIS

(1900, $\alpha = 15^h 23^m \cdot 6$, $\delta = +2^\circ 12'$, mag. 5.12, type A5)

The lines in this spectrum are very diffuse and ill-defined. Plate 7728 is much underexposed, so that the star's variable velocity is not established by these measures.

Plate	Date, G.M.T.	Velocity	n	Weight
7030	1915, May 30.709	-23	7	2
7082	July 1.551	-30	7	2
7091	" 9.516	-35	10	3
7728	1916, " 13.545	-4	5	2

MEASURES OF 10 SERPENTIS

λ	7030		7082		7091		7728							
	Vel.	Wt.	Vel.	Wt.	Vel.	Wt.	Vel.	Wt.	Vel.	Wt.	Vel.	Wt.	Vel.	Wt.
4584-191	.....		.....		.....		+29.7	$\frac{1}{4}$	.....		.....		.....	
4549-766	-13.0	$\frac{1}{4}$	-32.6	$\frac{1}{4}$	-12.2	$\frac{1}{4}$	-41.6	$\frac{1}{4}$	.....		.....		.....	
4484-400	-17.0	$\frac{1}{4}$	-1.8	$\frac{1}{4}$	-19.2	$\frac{1}{4}$	+49.9	$\frac{1}{4}$	.....		.....		.....	
4468-663	-0.1	$\frac{1}{4}$	.....		.....		.....		.....		.....		.....	
4352-006	.....		+1.3	$\frac{1}{4}$	.....		.....		.....		.....		.....	
4340-634	+1.6	$\frac{1}{4}$	-10.0	$\frac{1}{4}$	+8.7	$\frac{1}{4}$	.....		.....		.....		.....	
4325-939	-19.4	$\frac{1}{4}$	-12.1	$\frac{1}{4}$	-20.6	$\frac{1}{4}$	-1.1	$\frac{1}{4}$	.....		.....		.....	
4308-081	.....		.....		+17.4	$\frac{1}{4}$	.....		.....		.....		.....	
4289-945	.....		.....		-0.8	$\frac{1}{4}$	.....		.....		.....		.....	
4235-328	-18.4	$\frac{1}{4}$	-11.0	$\frac{1}{4}$	-17.9	$\frac{1}{4}$	.....		.....		.....		.....	
4227-010	-28.1	$\frac{1}{4}$	.....		.....		+21.8	$\frac{1}{4}$	.....		.....		.....	
4198-494	.....		.....		+1.2	$\frac{1}{4}$	.....		.....		.....		.....	
4143-928	.....		.....		-22.2	$\frac{1}{4}$	.....		.....		.....		.....	
4045-975	.....		+5.5	$\frac{1}{4}$	-43.3	$\frac{1}{4}$	.....		.....		.....		.....	
Weighted mean	-13.47		-8.66		-10.89		+21.20		.....		.....		.....	
V_a	-9.42		-21.34		-23.48		-24.55		.....		.....		.....	
V_d	-0.09		-0.04		-0.06		-0.09		.....		.....		.....	
Curv.	-0.28		-0.28		-0.28		-0.28		.....		.....		.....	
Radial Velocity	-23.3		-30.3		-34.7		-3.7		.....		.....		.....	