

BOSS 5070

1900, $\alpha = 19^h 17^m 12$, $\delta = +40^\circ 20'$, mag. 5.62, type A.

This star was announced as a spectroscopic binary by Adams in the *Publications of the Astronomical Society of the Pacific*, vol. 26, page 261. From the measures, the period is evidently short. The *K* line of calcium does not share in the large oscillations of the other lines. Sufficient plates for an orbit have been secured at Allegheny and the star is dropped from our list.

Our measures follow.

Plate	Date, G.M.T.	Velocity	<i>n</i>	Weight
6804	1915, Feb. 18.911	-23	9	3
6812	Mar. 3.910	+19	10	4
6928	April 14.801	+88	7	3
8285	1917, Sept. 6.747	-86	5	2
8290	" 8.527	+4	6	2
8291	" 11.631	+7	7	3
8297	" 12.653	+73	4	2

MEASURES OF BOSS 5070

λ	6804		6812		6928		8285		8290		8291		8297	
	Vel.	Wt.	Vel.	Wt.	Vel.	Wt.	Vel.	Wt.	Vel.	Wt.	Vel.	Wt.	Vel.	Wt.
4567.967	+11.5	$\frac{1}{4}$	+6.6	$\frac{1}{4}$	+99.5	$\frac{1}{4}$								
4552.762	-26.3	$\frac{1}{4}$	+21.1	$\frac{1}{4}$	+101.6	$\frac{1}{2}$			+40.9	$\frac{1}{2}$	+77.4	$\frac{1}{4}$	+58.4	$\frac{1}{2}$
4481.400	-12.0	$\frac{1}{4}$												
4171.676	-33.6	$\frac{3}{4}$	+18.7	$\frac{1}{2}$	+69.6	$\frac{1}{4}$	-73.1	$\frac{3}{4}$	-11.0	$\frac{1}{2}$	+82.4	$\frac{3}{4}$	+115.5	$\frac{1}{4}$
4388.100			+28.5	$\frac{1}{4}$	+75.4	$\frac{1}{4}$	-97.0	$\frac{1}{2}$	+18.3	$\frac{1}{2}$	+65.3	$\frac{1}{4}$	+70.0	$\frac{1}{2}$
4340.631	-54.4	$\frac{1}{2}$	-4.5	$\frac{1}{2}$	+13.0	$\frac{1}{2}$	66.4	$\frac{1}{2}$	+16.4	$\frac{1}{2}$	+77.7	$\frac{1}{4}$	+58.0	$\frac{1}{4}$
4325.939			+21.7	$\frac{1}{2}$										
4267.304	-23.8	$\frac{1}{4}$	+22.3	$\frac{1}{4}$			78.9	$\frac{1}{4}$			+91.8	$\frac{1}{4}$		
4143.928	-16.1	$\frac{1}{4}$	1.9	$\frac{1}{2}$			72.7	$\frac{1}{4}$	1.9	$\frac{1}{4}$	+52.0	$\frac{1}{4}$		
4101.890	-19.0	$\frac{1}{4}$	+11.6	$\frac{1}{2}$	+54.6	$\frac{1}{2}$								
4026.352					+88.4	$\frac{1}{2}$			+1.5	$\frac{1}{4}$	+72.0	$\frac{1}{4}$		
3933.825	-5.8	$\frac{1}{2}$	-29.0	$\frac{1}{2}$	-6.5	$\frac{1}{2}$								
Weighted mean	-26.87		+12.31		+74.17		-77.56		+12.76		+76.56		+82.80	
V_L	+4.07		+7.20		+13.99		-7.74		-8.13		-8.78		-8.99	
V_L	+ .22		+ .21		+ .21		- .21		+ .07		- .11		- .13	
Curv.	- .28		- .28		- .28		- .28		- .28		- .28		- .28	
Radial Velocity	-22.9		+19.4		+88.1		-85.8		+4.4		+67.4		+73.1	