



XXIII Международная астрономическая олимпиада
XXIII International Astronomy Olympiad

Шри-Ланка, Коломбо

6-14. X. 2018

Colombo, Sri Lanka

Язык
language **English**

Practical round

JD 2456664.0+	Differential magnitude
0.23	-1.60
0.24	-1.73
0.25	-1.98
0.25	-2.24
0.26	-2.33
0.27	-2.22
0.28	-2.07
0.29	-1.95
0.30	-1.84
0.31	-1.72
0.32	-1.68
0.32	-1.66
0.33	-1.64
0.34	-1.63
0.35	-1.67
0.36	-1.72
0.37	-1.89
0.37	-2.09
0.38	-2.29
0.39	-2.27
0.40	-2.05
0.41	-1.95
0.42	-1.84
0.43	-1.78
0.44	-1.71
0.45	-1.64

Table 6.



XXIII Международная астрономическая олимпиада
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Phase	$\Delta\lambda$ (Å)	Radial velocity of primary (km/s)	Radial velocity of secondary (km/s)
0.09			Not available
0.20			211
0.30			235
0.35			189
0.48			Not available
0.54			Not available
0.61			Not available
0.65			-171
0.70			-267
0.76			-224
0.81			-148
0.90			Not available
0.95			Not available

Table 6.



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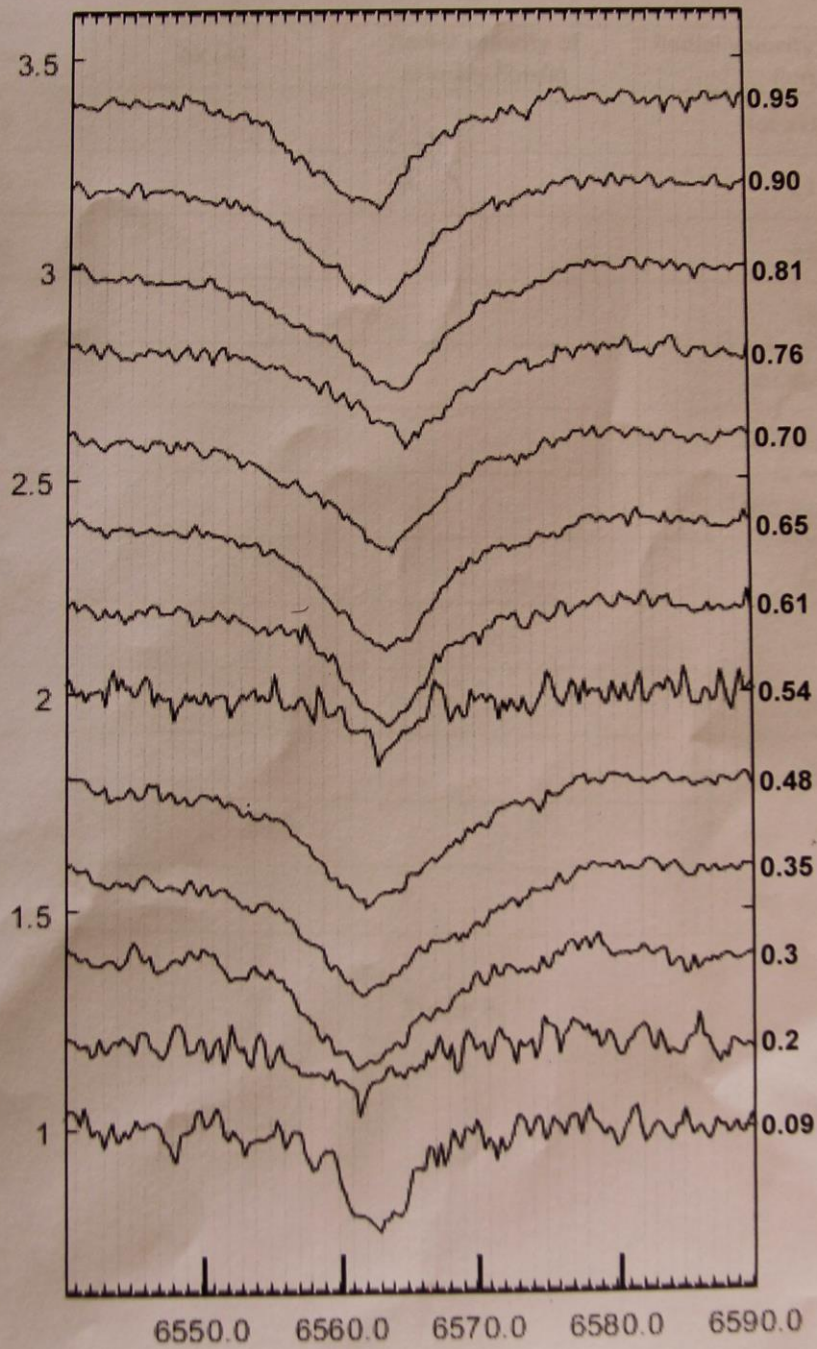


Fig. 6.



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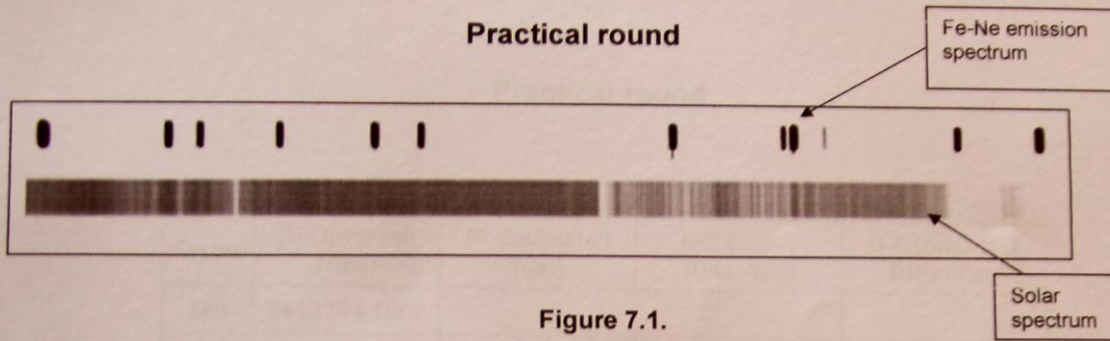


Figure 7.1.

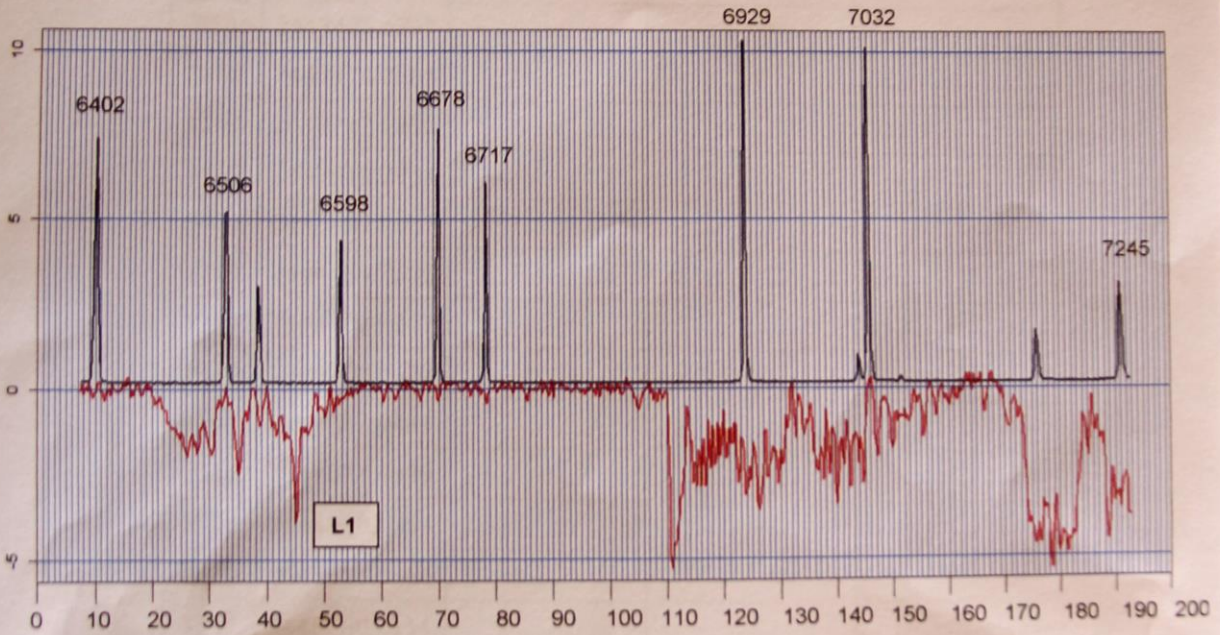


Figure 7.2.

Wavelength (Å)	Pixel
6402	
6506	
6598	
6678	
6717	
6929	
7032	

Table 7.



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Cycles	JD-Observed (Obs)	JD-Calculated (Cal)	O-C (days) (Obs - Cal)	O-C (minutes) (Obs - Cal)
300	2442794.1804			
500	2442988.4867			
950	2443425.6757			
1000	2443474.2563			
1250	2443717.1386			
1350	2443814.2934			
1400	2443862.8687			
1700	2444154.3285			
1750	2444202.9077			
1850	2444300.0622			
2100	2444542.9444			
2400	2444834.4039			
2550	2444980.1353			
3200	2445611.6366			
3250	2445660.2111			
3500	2445903.0947			

Table 8.