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PHOTOGRAPHIC AND PHOTOELECTRIC OBSERVATIONS OF RZ Oph

RZ Oph is an eclipsing binary with a period of approximately 262 days. We began following it photographically in 1969 at the "G. Horn D'Arturo" Observatory. The list below contains the photodensitometric reductions of the 1969 and 1971 observations.

Year	J.D.	m_{ph}	m.e.	N
1969	2440...			
	359.500	10.85	-	1
	363.488	10.98	± 0.09	4
	368.509	12.50	.07	2
	372.505	12.63	.04	2
	373.463	12.70	.07	2
	380.488	10.88	.04	2
1971	J.D.	m_{ph}	m.e.	N
	2441...			
	149.434	11.15	-	1
	153.403	12.68	± 0.10	2
	157.406	12.55	-	1
	159.409	12.60	.00	2
	160.422	12.53	.04	2
	162.468	11.15	-	1
	163.471	11.10	.07	2
164.492	11.08	.18	2	

Column " m_{ph} " contains photographic magnitudes, "m.e." the mean errors and "N" the number of plates. The material used is Ilford Zenith Astronomical with 10 minutes exposure.

During 1976 RZ Oph has been observed photoelectrically with the 400 mm \emptyset , f=200 cm Newtonian reflector of our observatory. The magnitude differences ΔV near the minimum are in UB system.

1976	J.D.	m _{ph}	m.e.	N
	2442...			
	982.4150	- 0.21	± 0.03	3
	984.3706	- 0.04	.01	8
	984.4294	0.00	.00	4
	987.4076	+ 0.40	.01	3
	989.3989	+ 0.39	.01	3
	993.3774	+ 0.40	.00	5
	994.3888	+ 0.38	.01	4

Column "m.e." reports the mean errors and column "N" the number of observations. The star BD +6°3928 (CI) has been used as comparison star.

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