

COMMISSION 27 OF THE I. A. U.
 INFORMATION BULLETIN ON VARIABLE STARS
 Number 1437

Konkoly Observatory
 Budapest
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VISUAL OBSERVATIONS OF MIRA TYPE VARIABLE STARS

A total of 3853 visual magnitude estimations by the Argelander step method were made during 1973 and 1977. For 57 stars, 114 times of maximum light and 40 times of minimum light were determined by the Pogson method. The comparison star magnitudes were taken from AAVSO sequences. Refractors of 4", 6" and 12" were used.

Star	ϕ	Date(J.D.)	Mag.	N	Star	ϕ	Date(J.D.)	Mag.	N	
R And	M	244 2711 ^d	6. ^m 1	35	V Cas	m	244 2404 ^d	12. ^m 2	102	
	M	3141:	8.0	10		M	2529	7.5		
W And	M	3115:	8.3	10		m	2637	12.2		
Y And	M	2642:	9.1	23		M	2760	7.7		
	M	3082	9.4	11		M	2977	7.7	62	
RR And	M	3061:	9.8:	7		m	3106:	12.0:		
TU And	M	2867:	8.0:	22		M	3210	7.8		
R Aql	m	2493	10.5	114	X Cas	M	3055	10.3		41
	M	2600	6.1		T Cep	M	2593	6.0	197	
	m	2759	11.2			m	2793	10.0		
	M	2886	5.8			M	2984	6.4		
	m	3049	11.7		m	3182	9.5			
R Ari	M	2628:	9.1	20	R Cyg	M	2435	6.3	60	
	M	2817:	8.4	18		M	2907	8.9	52	
	M	3005	8.4	40		M	3310	7.9:	16	
	m	3104	12.5		S Cyg	M	2821:	10.6:	8	
	M	3198:	8.4		U Cyg	m	2467	11.7	200	
R Aur	M	3075:	7.5		11		M	2720		7.3
U Aur	M	2756	8.0	23		m	2962	10.7		
	M	3178:	9.0	15		M	3168	7.1		
RR Aur	M	2718:	9.3:	11	Z Cyg	M	2481	9.2	106	
	M	3032:	9.5:	16		m	2630	13.2		
R Boo	M	2516	7.1	38		M	2766	9.1		
	m	2866:	12.7:	45		m	2907:	13.4		
	M	2957	6.8			M	3019	10.0		
S Boo	M	2499	7.7		37		M	3285	9.3	18
	M	2766	8.4:		25	RT Cyg	M	2501	7.6	
	M	3297:	8.8	20		m	2598	11.8:	143	
U Boo	M	3253:	10.1:	6		M	2696	7.3		
R Cam	M	2076:	8.5:	25		m	2790:	12.5:		
R Cnc	M	2780:	7.3:	23		M	2878	7.9		
V Cnc	M	3198	7.7	17		m	2976	12.7	79	
R Cas	M	2754	6.9	79		M	3082	7.7		
	m	2995	13.2			M	3264	7.5		20
	M	3169	6.9		TU Cyg	M	2801	9.3		17
T Cas	m	2585:	12.3		152 1)		M	3004:	11.1	22
	M	2821	7.4	X Cyg		M	2550	4.7	60	
	m	3030	12.8			M	2967	5.8	55	
	M	3299	8.2	1)		S Del	m	2510:	11.7	58
U Cas	M	2688	9.4	16		M	2606	8.9		
	M	2953	8.3	34		M	2895	8.8	21 2)	

Star	ϕ	Date(J.D.)	Mag.	N	Star	ϕ	Date(J.D.)	Mag.	N
S Del	m	244 3042 ^d	11. ^m 7	21	R Oph	M	244 1862: ^d	7. ^m 9	13
R Dra	m	2459:	13.0	62	X Peg	M	3033:	9.3:	12
	M	2560	7.8		Y Peg	M	3038	10.5	9
	M	2803	7.4	66	R Per	M	2630:	8.3	15
	m	2948	13.2		M	2826	8.6	20	
	M	3049	7.7		M	3051	9.3	16	
	M	3295	7.5		17	Y Per	M	2747	8.3
ST Gem	M	2878:	9.4:	23	M	3000	8.6	47	
S Her	M	2900	8.1	39	m	3128	10.7		
T Her	M	2660:	8.6	21	R Tri	m	2699	11.9	45
	m	2918	12.8	48	M	2822	5.3		
	M	2991	8.4		M	3080	7.0	31	
	M	3322	8.4	12	R UMa	m	2475	12.9	27
U Her	M	2956	8.0	26	M	2584:	7.3:	37	
RS Her	M	2556	7.7	27	m	2786:	12.9:	12	
	m	2897	12.7	41	M	2889	8.0	43	
	M	2999	7.5		M	3199	7.7	21	
	M	3212:	7.6	12	S UMa	m	2515	12.0	1)
RU Her	M	2982	7.8	18	M	2609	8.1		
RV Her	M	2878	9.7	17	m	2736	11.8		
SS Her	M	2982	8.9:	17	M	2831	7.9	162	
DO Her	M	2944:	10.6	10	m	2966	11.9		
R Leo	m	2477	10.1	44	M	3057:	7.3	1)	
	m	2775	10.1	33	m	3204	12.3		
	M	3237:	5.1	20	T UMa	M	2527	7.5	51
W Lyr	M	2511	8.1	28	M	2772	7.3	34	
	M	2718	8.2	24	M	3031	7.7	23	
	M	2902	8.0	38	M	3300:	7.3	15	
	m	3016:	12.4	18	S UMi	M	3288	7.8	20
	M	3103	8.3	13	U UMi	M	2441	7.8	171
	M	3295	7.9	19	m	2627	11.8		
RS Lyr	M	2611	9.9	13	M	2768:	7.9		
	M	2922	10.3	19	m	2934	11.6		
RU Lyr	M	2522	11.0	18	M	3094	7.8	171	
	M	2893	10.8	25	m	3264	11.9		
RY Lyr	M	3057	9.9	10	R Vir	M	2526	7.2	22

M=Maximum, m=Minimum, N=Number of observations, 1) Wave on the ascending branch of the light curve, 2) double maximum

The accuracy of the given times is $\pm 3^d$ or, if signed by a ":", it is $\pm 6^d$. The accuracy of the given magnitudes is $\pm 0.^m1$ or - with a ":" - it is $\pm 0.^m2$.