

MAS RR Lyrae Ephemeris for February 2024

all times in U.T.

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	SW	XX	AT	BR	TZ	BH	RS	ST	SW	SZ	TV	TW	UU	UY	UY	RW	TT	VZ	VZ	KV	SS	RR	RU
	AND	AND	AND	AQR	AUR	AUR	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CAM	CNC	CNC	CNC	CNC	CNC	CVN	CET	CET
MAX	9.3	10.3	10.8	10.8	11.2	11.1	9.8	10.6	11.3	12.0	10.8	10.8	11.2	10.6	11.5	10.7	11.0	7.2	7.2	11.9	11.2	9.3	10.8
MIN	10.8	11.6	11.5	11.9	12.8	12.6	11.3	11.8	12.7	13.4	11.5	12.1	12.7	12.0	11.9	12.6	12.3	7.9	7.9	13.0	12.5	10.3	12.1
RISE	2	3	3	2	2	2	2	3	2	2	3	2	1	2	3	2	3	1	1	2	2	2	3
0- 1	2.0	1.5			4.5	4.0		6.5			6.0	8.0	8.0	5.5	2.5	10.5	10.5	8.0	4.0	1.0	7.0		
1- 2			0.5		8.5	2.0	5.0	12.5			4.5	10.0	6.0	13.0	4.0	12.5	0.0	1.5	5.5	1.0	6.0		
2- 3				0.5	3.5		8.0					11.5			5.5	1.5	3.0	3.0	7.5	1.0	5.0		
3- 4					7.5	8.5		9.5		5.5				12.0	1.0	4.0	6.0	4.5	0.5	1.5	4.0	0.5	2.0
4- 5	1.5		2.5		2.5	6.5	5.5			6.5	7.5		10.5		2.5	6.0	9.5	6.5	2.0	1.5		3.0	
5- 6		3.0			6.5	4.5	8.5	6.0	4.0	7.5	6.0		8.5	10.5	4.0	8.5		8.0	4.0	1.5			
6- 7					1.5	2.5		12.0	4.5	8.5	4.5	4.5	6.5		6.0	10.5	2.0	1.0	5.5	1.5			0.0
7- 8	4.0				5.5	0.5	6.0		5.5	9.5		6.5		9.5	1.0		5.0	3.0	7.0	1.5	11.0		
8- 9	1.0	0.5			0.5			8.5	6.0	10.5		8.0			2.5	2.0	8.0	4.5	0.5	1.5	10.0		
9-10			1.0		4.5	7.0			6.5	12.0	7.5	9.5		8.5	4.5	4.5	11.0	6.5	2.0	2.0	9.0	2.5	
10-11		4.5			8.5	5.0	6.5	5.5	7.5		6.0	11.0	9.0		6.0	6.5	0.5	8.0	3.5	2.0	8.0		
11-12	3.5				3.5	3.0		11.5	8.0		4.5	12.5	7.0	7.0	1.0	9.0	3.5	1.0	5.5	2.0	7.0		
12-13	0.5		3.0		7.5	0.5			8.5				5.0		3.0	11.0	6.5	3.0	7.0	2.0	6.0		
13-14		2.0			2.5		7.0	8.0	9.5					6.0	4.5	0.5	9.5	4.5	0.0	2.0	5.0		1.0
14-15					6.5	7.5			10.0		7.5	4.5			6.0	2.5		6.0	2.0	2.5	4.0	1.5	
15-16	3.0			1.0	1.5	5.5			10.5	6.0	6.0	6.0	10.0	5.0	1.5	5.0	2.0	8.0	3.5	2.5			
16-17	0.0				5.5	3.0	7.5	11.0	11.0	7.0	4.5	7.5	7.5	12.0	3.0	7.0	5.5	1.0	5.0	2.5			
17-18			1.5		0.5	1.0			12.0	8.0		9.0	5.5		4.5	9.5	8.5	2.5	7.0	2.5			
18-19		3.5			4.5			7.5		9.0		10.5		11.0	6.0	11.5		4.5	0.0	2.5	11.5		
19-20	2.5		13.0		9.0	8.0	7.5			10.0	7.5	12.0			1.5	1.0	1.0	6.0	1.5	3.0	10.5	1.0	
20-21			3.5		3.5	5.5				11.5	6.0		10.5	10.0	3.0	3.0	4.0	7.5	3.5	3.0	9.5		2.0
21-22		1.0			8.0	3.5	5.0	10.5		12.5	4.5		8.5		4.5	5.5	7.0	1.0	5.0	3.0	8.5		
22-23					2.5	1.5	8.0						6.5	8.5	6.5	7.5	10.0	2.5	6.5	3.0	7.0		
23-24	2.0	5.0			7.0			7.0				5.5			1.5	10.0		4.0	8.5	3.0	6.0		0.0
24-25					1.5	8.5	5.5		4.0		7.5	7.0		7.5	3.0	12.0	2.5	6.0	1.5	3.5	5.0	0.5	
25-26			2.0		6.0	6.0	8.5		4.5		6.0	8.5			5.0	1.0	5.5	7.5	3.0	3.5	4.0	3.0	
26-27		2.0			0.5	4.0		10.0	5.5	5.5	4.5	10.0	9.0	6.5	0.0	3.5	8.5	0.5	5.0	3.5			
27-28	1.5				5.0	2.0	6.0		6.0	6.5		11.5	7.0		1.5	6.0		2.5	6.5	3.5			

	RV	RX	RZ	TY	UU	S	XX	XZ	DM	RW	XZ	RX	SV	BB	RX	RR	GQ	VX	VZ	AR	DL	DY	DY
	CET	CET	CET	CET	CET	COM	CYG	CYG	CYG	DRA	DRA	ERI	ERI	ERI	FOR	GEM	GEM	HER	HER	HER	HER	HER	HER
MAX	10.3	11.0	11.2	11.4	11.5	10.9	11.4	9.1	11.2	11.0	9.6	9.2	9.6	10.9	11.1	10.7	13.6	9.9	10.7	10.6	11.0	10.2	10.2
MIN	11.2	11.7	12.4	11.9	12.4	12.1	12.5	10.5	12.7	12.0	10.3	10.1	10.2	11.9	12.5	11.9	14.6	10.4	12.0	11.6	12.4	10.6	10.6
RISE	3	3	2	3	3	3	1	3	2	2	3	3	5	2	2	2	2	2	2	2	1	1	1
0- 1						4.0	8.0	8.0		8.5	1.0			1.5		1.0	7.5	7.5			9.5		
1- 2						8.5				5.5	0.0	4.0		5.0	0.0	5.5						10.0	
2- 3			0.0			12.5	8.5				10.5					0.5	0.5		9.5				
3- 4			0.5								9.5					5.5	3.5		7.0	11.0	8.5		8.5
4- 5	0.5		1.0			6.5	9.0		0.5	8.0	8.0	2.5	3.0	1.5		0.5	7.0	10.0		9.5	13.0		
5- 6			1.5			11.0		0.0		5.5	7.0			5.0		5.0		8.0		8.0		10.0	
6- 7			2.0	3.5			9.5	10.0			6.0					0.0	0.0		9.0	6.5		7.5	
7- 8	3.5		2.5	2.5		5.0		8.0		10.5	5.0	1.0				4.5	3.5			5.0	12.0		8.5
8- 9			3.0	2.0		9.5	0.5			7.5	3.5	5.0		1.0		9.0	7.0						
9-10	0.5	0.0	3.5	1.5						5.0	2.5		2.5	4.5		4.5		10.0				10.5	
10-11				0.5		3.5	1.0				1.5					9.0	0.0	8.0	8.0		11.0	8.0	
11-12						7.5				10.0	0.5	3.5				4.0	3.5			10.5			9.0
12-13	3.0					12.0	1.5	0.0	0.0	7.5	10.5			1.0		8.5	7.0			9.0			
13-14		0.5						10.0		4.5	9.5			4.5		3.5			10.0	8.0	10.0		
14-15	0.0					6.0	2.0	8.0			8.5	2.0	2.5			8.5		10.5	7.0	6.5		8.5	
15-16						10.0	7.0			10.0	7.0					3.5	3.5	8.0		5.0			9.0
16-17					0.0		2.5			7.0	6.0			0.5		8.0	6.5				9.0		
17-18	3.0	1.0				4.5	8.0			4.5	5.0	0.5		4.0	3.0	3.0			9.0				
18-19				3.0		8.5					4.0	4.5				7.5						8.5	
19-20				2.0	1.0	13.0	8.5	0.0		9.5	2.5		2.5			2.5	3.0	10.5		10.5			9.5
20-21				1.5		3.0		9.5		7.0	1.5			0.5	3.0	7.5	6.5	8.5		9.0	12.0		
21-22		1.0		0.5		7.0	9.0	8.0		4.0	0.5	3.0		4.0		2.5			8.0	7.5			
22-23	2.5			0.0		11.0					10.5					7.0				6.0		9.0	
23-24							9.5			9.0	9.5				2.5	2.0	3.0				11.0		10.0
24-25						5.5				6.5	8.5	1.5	2.5	0.0		6.5	6.5	11.0	10.0				
25-26						9.5	0.5		0.5	3.5	7.5			3.5		1.5	10.0	8.5	7.5				
26-27								0.0			6.0				2.5	6.5					10.0	9.0	
27-28	2.5		0.5			4.0	1.0	9.5		9.0	5.0	0.0				1.5	3.0			10.0			10.0

	DY	SZ	UU	DG	DH	GO	RR	SS	ST	TV	WW	AA	VY	U	SZ	SZ	SZ	RR	RZ	ST	AV	BH	KZ
	HER	HYA	HYA	HYA	HYA	HYA	LEO	LEO	LEO	LEO	LEO	LEO	LMI	LEP	LYN	LYN	LYN	LYR	LYR	OPH	PEG	PEG	PUP
MAX	10.2	10.6	10.7	11.6	11.4	11.6	10.0	10.5	10.8	11.5	11.0	11.3	13.6	9.8	9.1	9.1	9.1	7.1	10.0	11.3	9.9	10.0	11.3
MIN	10.6	11.7	12.3	12.6	12.6	12.2	11.7	12.0	12.3	12.6	12.0	12.4	14.6	11.1	9.6	9.6	9.6	8.1	12.0	12.7	10.9	10.8	12.8
RISE	1	2	2	3	2	3	2	2	2	2	3	2	2	2	1	1	1	2	2	3	2	3	3
0- 1	9.0			4.5	5.0	2.5	7.5	5.5	10.0	6.0	7.5	5.5	5.5	3.5	1.5	4.0	7.0						8.0
1- 2		3.0	1.0		4.5	9.0	5.0	11.5	8.5			10.5	7.0		3.5	6.5	0.5	11.0					
2- 3		4.5	2.0		4.0	0.5	3.0		7.5	6.5	3.0		8.0		5.5	8.5	2.5					1.5	8.5
3- 4		6.5	3.5	5.0	3.5	7.0	0.5	9.0	6.5		8.0	5.5	9.5	1.5	7.5	1.5	4.5						
4- 5	9.0	8.0	4.5		3.0		9.0		5.5	7.0		10.0	10.5	5.5	1.0	3.5	6.5						
5- 6		10.0	5.5		2.0	5.0	7.0	6.0	4.5		3.5		12.0		3.0	5.5	8.5	10.5					
6- 7			7.0	5.5	1.5		4.5	12.0	3.5	7.0	8.5	5.0	0.5		5.0	8.0	2.0				0.5		
7- 8			8.0		1.0	2.5	2.0					10.0	1.5	3.0	7.0	1.0	4.0						
8- 9	9.5	2.5	9.0			9.0	11.0	9.0		7.5	3.5		3.0		0.5	3.0	6.0			10.0			
9-10		4.0	10.0	5.5		0.5	8.5				8.5	5.0	4.0		2.5	5.0	8.0	9.5	8.5				
10-11		6.0	11.5			7.0	6.0	6.0	10.5	8.0		10.0	5.5	1.0	4.5	7.0	1.5	13.0	9.0				
11-12		8.0					4.0	12.0	9.5		4.0		6.5	5.0	6.5	0.5	3.5		9.5			0.5	
12-13	10.0	9.5	1.0	6.0	10.5	5.0	1.5	3.0	8.5	8.5	9.0	5.0	8.0		8.5	2.5	5.5		10.5				
13-14			2.5		9.5		10.0	9.5	7.5			9.5	9.0		2.0	4.5	7.5	9.0	11.0				
14-15			3.5		9.0	2.5	8.0		6.5	9.0	4.5		10.5	2.5	4.0	6.5	1.0	12.0	11.5				
15-16		2.0	4.5	6.5	8.5	9.0	5.5	6.5	5.5		9.5	4.5	12.0		6.0	0.0	3.0		12.0		0.0		
16-17	10.0	4.0	5.5		8.0	0.5	3.5	12.5	4.5	9.5		9.5	0.5		8.0	2.0	5.0						
17-18	7.5	5.5	7.0		7.5	7.0	1.0	3.5	3.5		4.5		1.5	0.5	1.0	4.0	7.0			10.0			
18-19		7.5	8.0	7.0	7.0		9.5	9.5		10.0	9.5	4.5	3.0	4.5	3.5	6.0	0.5	11.0					
19-20		9.0	9.0	1.0	6.5	5.0	7.5					9.5	4.0		5.5	8.0	2.5						
20-21	10.5		10.5		6.0		5.0	6.5		10.5	5.0		5.5		7.5	1.5	4.5					0.0	
21-22	8.0		11.5	7.5	5.5	2.5	3.0	12.5	10.5		10.0	4.5	6.5	2.0	0.5	3.5	6.5						
22-23		1.5		1.5	5.0	9.0	0.5	3.5	9.5	11.0		9.0	8.0		2.5	5.5	8.5	10.5			0.5		
23-24		3.5	1.0		4.5	0.5	9.0	10.0	8.5		5.5		9.0		5.0	7.5	2.0						
24-25		5.0	2.5	7.5	4.0	7.0	7.0		7.5	11.0	10.5	4.5	10.5		7.0	1.0	4.0						
25-26	8.0	7.0	3.5	2.0	3.5		4.5	7.0	6.5	3.5	1.0	9.0	11.5	4.0	0.0	3.0	6.0						
26-27		9.0	4.5		3.0	5.0	2.0	13.0	5.5	11.5	5.5		0.5		2.0	5.0	8.0	9.5		10.0			
27-28			5.5	8.0	2.5		11.0	4.0	4.0	4.0	10.5	4.0	1.5		4.0	7.0	1.5	13.0				1.5	

all times in U.T.

	DF	RV	TU
	SER	UMA	UMA
MAX	11.4	10.1	9.2
MIN	13.0	11.2	10.2
RISE	2	3	3
0- 1	6.5	9.5	10.0
1- 2		8.0	12.5
2- 3		6.5	2.0
3- 4	8.0	5.0	5.0
4- 5		3.5	7.5
5- 6		2.0	10.5
6- 7	9.5		
7- 8	6.5	10.0	2.5
8- 9		8.5	5.5
9-10		7.0	8.0
10-11	8.0	5.5	11.0
11-12		4.0	
12-13		2.5	3.0
13-14	9.5		6.0
14-15	6.5	10.5	8.5
15-16		9.0	11.5
16-17		7.5	
17-18	8.0	6.0	3.5
18-19		4.5	6.0
19-20		3.0	9.0
20-21	9.5	1.5	11.5
21-22	6.5	11.0	
22-23		9.5	4.0
23-24		8.0	6.5
24-25	8.0	6.5	9.5
25-26		5.0	12.0
26-27		3.5	1.5
27-28	9.5	2.0	4.5