

MAS RR Lyrae Ephemeris for February 2017

all times in U.T.

Page 1

	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					2.5	5.5		12.5				9.5	5.0	11.5	5.5	10.0	1.0	1.0	5.0	0.5		3.5	
1- 2	3.5	3.0	3.5		7.0	3.5						11.5			1.0	12.0	4.5	2.5	7.0	0.5			
2- 3	1.0				1.5	1.5	6.5	9.0			7.0			10.5	2.5	1.5	7.5	4.0	8.5	0.5	11.0		
3- 4					6.0						5.5		9.5		4.0	3.5	10.5	6.0	1.5	0.5	9.5		
4- 5		0.5			0.5	8.5		6.0			4.0		7.5	9.5	5.5	6.0		7.5	3.5	0.5	8.5	0.5	1.5
5- 6	3.0				5.0	6.0	7.0	12.0	4.0	5.5		4.5	5.5		1.0	8.0	3.0	0.5	5.0	1.0	7.5	3.0	
6- 7	0.5	4.5	2.0		9.0	4.0			4.5	7.0		6.0		8.5	2.5	10.5	6.0	2.5	6.5	1.0	6.5		
7- 8				0.0	4.0	2.0		8.5	5.5	8.0	7.0	8.0			4.0	12.5	9.0	4.0	8.5	1.0	5.5		0.0
8- 9					8.0		7.5		6.0	9.0	5.5	9.5	10.5	7.0	6.0	2.0		5.5	1.5	1.0	4.5		
9-10	2.5	2.0	4.0		3.0	8.5		5.5	6.5	10.0	4.0	11.0	8.5		1.0	4.0	1.5	7.5	3.0	1.0	3.5		
10-11					7.0	6.5		11.5	7.5	11.0		12.5	6.0	6.0	2.5	6.5	4.5	0.5	5.0	1.5		2.5	
11-12			0.5		2.0	4.5	8.0		8.0	12.5					4.5	8.5	7.5	2.0	6.5	1.5			
12-13					6.0	2.5		8.0	8.5		7.0				6.0	11.0	10.5	4.0	8.0	1.5			
13-14	2.5				1.0	0.0	5.0		9.5		5.5	4.5	11.0	12.0	1.0		0.0	5.5	1.5	1.5	11.0		
14-15		3.5	2.5		5.0		8.5		10.0		4.0	6.0	9.0		3.0	2.5	3.5	7.5	3.0	1.5	10.0		1.0
15-16					9.0	7.0		11.0	10.5			7.5	7.0	11.0	4.5	4.5	6.5	0.5	4.5	2.0	9.0	1.5	
16-17					4.0	5.0	5.5		11.0	5.0		9.0			6.0	7.0	9.5	2.0	6.5	2.0	8.0		
17-18	2.0	0.5			8.0	2.5	8.5	7.5	12.0	6.5	7.0	10.5		10.0	1.5	9.0		4.0	8.0	2.0	7.0		
18-19					3.0	0.5				7.5	5.5	12.0			3.0	11.5	2.0	5.5	1.0	2.0	5.5		
19-20		4.5	0.5		7.0		6.0			8.5	4.0		9.5	8.5	4.5	0.5	5.0	7.0	3.0	2.0	4.5		
20-21				0.5	2.0	7.5		10.5		9.5			7.5		6.0	2.5	8.0	0.5	4.5	2.5	3.5	1.0	
21-22	1.5				6.0	5.5			10.5		10.5		4.0	5.5	7.5	1.5	5.0		2.0	6.0	2.5		1.5
22-23		2.0	3.0		1.0	3.0	6.5	7.0		12.0	7.0	5.5			3.0	7.5	0.5	3.5	8.0	2.5			
23-24					5.0	1.0		13.0			5.5	7.0		6.5	4.5	9.5	3.5	5.5	1.0	2.5			
24-25	3.5				0.0				4.0		4.0	8.5	10.0		6.5	12.0	6.5	7.0	2.5	2.5	11.0		0.0
25-26	1.0				4.0	8.0	7.0	10.0	5.0			10.0	8.0	5.0	1.5	1.0	9.5	0.0	4.5	3.0	10.0	0.5	
26-27					8.5	5.5			5.5			11.5	6.0	12.5	3.0	3.0		2.0	6.0	3.0	9.0	3.0	
27-28		3.5	1.0		3.0	3.5		6.5	6.0		7.0				5.0	5.5	2.5	3.5	8.0	3.0	8.0		

	RV	RX	RZ	UU	XX	XZ	DM	RW	XZ	RX	SV	BB	RX	SS	RR	GQ	VX	VZ	AR	DL	DY	DY	DY
	CET	CET	CET	CET	CYG	CYG	CYG	DRA	DRA	ERI	ERI	ERI	FOR	FOR	GEM	GEM	HER	HER	HER	HER	HER	HER	HER
MAX	10.3	11.0	11.2	11.5	11.4	9.1	11.2	11.0	9.6	9.2	9.6	10.9	11.1	9.4	10.7	13.6	9.9	10.7	10.6	11.0	10.2	10.2	10.2
MIN	11.2	11.7	12.4	12.4	12.5	10.5	12.7	12.0	10.3	10.1	10.2	11.9	12.5	10.6	11.9	14.6	10.4	12.0	11.6	12.4	10.6	10.6	10.6
RISE	3	3	2	3	1	3	2	2	3	3	5	2	2	2	2	2	2	2	2	1	1	1	1
0- 1		0.5			2.5	10.0		5.0	2.0			0.0		1.0	7.5	4.0	9.5		8.5			9.0	
1- 2				0.5	7.5	8.0			1.0			3.5	2.5	1.0	2.5	7.5	7.5	9.5	7.5				9.5
2- 3								10.0	11.0	1.5				0.5	7.0				6.0		10.5		
3- 4					8.0			7.5	10.0	5.5	3.0			0.5	2.5	0.5				12.0	8.0		
4- 5	0.5	0.5						4.5	9.0				2.0	0.5	7.0	4.0						9.0	
5- 6					8.5				8.0			3.0		0.0	2.0	7.5	9.5	8.5					10.0
6- 7			0.5			0.0	0.0	9.5	6.5	4.0					6.5		7.5			11.0			7.5
7- 8	3.5		1.0		9.0	10.0		7.0	5.5				2.0		1.5	0.5			10.0		8.5		
8- 9		1.0	1.5			8.0		4.0	4.5		3.0				6.0	3.5		10.5	8.5			9.5	
9-10	0.0		2.0		9.5				3.5	2.5		3.0			1.5	7.0		7.5	7.0	10.0			10.5
10-11			2.5					9.5	2.0				1.5		6.0		10.0		5.5				7.5
11-12			3.0		0.5			6.5	1.0						1.0	0.0	8.0				8.5		
12-13	3.0		3.5					4.0	11.5	1.0					5.5	3.5		9.5		9.0		9.5	
13-14					1.0	0.0			10.0	5.0	3.0	2.5	1.0		0.5	7.0		7.0					10.5
14-15						9.5		9.0	9.0						5.5				11.0				8.0
15-16					1.5	8.0		6.5	8.0						0.5	0.0	10.0		9.5		9.0		
16-17					7.0			3.5	7.0	3.5			1.0		5.0	3.5	8.0	9.0	8.5	12.5		10.0	
17-18	2.5				2.0				5.5			2.5			0.0	7.0			7.0				
18-19				0.0	7.5			8.5	4.5		3.0				4.5				5.5				8.5
19-20					2.5		0.5	6.0	3.5	2.0			0.5		9.0					11.5	9.5		
20-21					8.0	0.0			2.5						4.5	3.5	10.5	8.0					10.5
21-22				0.5		9.5			1.0			2.0			9.0	6.5	8.0						7.5
22-23	2.5				8.5	8.0		8.5	0.0	0.5		5.5	0.5		4.0				11.0	10.5			8.5
23-24								5.5	10.5	5.0	2.5				8.5			10.0	9.5		9.5		
24-25					9.0				9.0						3.5	3.0		7.0	8.0				10.5
25-26									8.0			2.0			8.0	6.5	10.5		6.5	9.5		8.0	
26-27					9.5			8.0	7.0	3.0		5.0			3.5		8.5		5.0				9.0
27-28	2.0					0.0		5.5	6.0						8.0			9.0			10.0		

	SZ	UU	DG	DH	RR	SS	ST	TV	WW	AA	VY	U	SZ	SZ	SZ	RR	RZ	ST	AV	BH	DF	RV	TU
	HYA	HYA	HYA	HYA	LEO	LEO	LEO	LEO	LEO	LEO	LMI	LEP	LYN	LYN	LYN	LYR	LYR	OPH	PEG	PEG	SER	UMA	UMA
MAX	10.6	10.7	11.6	11.4	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	11.4	10.1	9.2
MIN	11.7	12.3	12.6	12.6	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	13.0	11.2	10.2
RISE	2	2	3	2	2	2	2	2	3	2	2	2	1	1	1	2	2	3	2	3	2	3	3

0- 1				4.0	5.0	3.5	3.5		6.0		4.5		8.5	2.5	5.5		11.0				9.5	7.5	2.0
1- 2		1.5		3.5	3.0	9.5		10.0	10.5	5.0	6.0	4.0	1.5	4.5	7.5		11.5	10.5			6.5	6.0	4.5
2- 3	1.5	3.0	7.0	3.0	0.5				1.0	9.5	7.5		3.5	6.5	1.0	11.0	12.0					4.5	7.5
3- 4	3.5	4.0	1.0	2.5	9.0	6.5		10.5	6.0		8.5		5.5	8.5	3.0				1.5			3.0	10.0
4- 5	5.5	5.0		2.0	7.0	12.5	11.0		11.0	4.5	10.0	1.5	8.0	2.0	5.0						8.0	1.5	13.0
5- 6	7.0	6.5	7.5	1.5	4.5	3.5	9.5	11.0	1.5	9.5	11.0	5.5	1.0	4.0	7.0			0.0				11.0	2.5
6- 7	9.0	7.5	1.5	1.0	2.5	9.5	8.5		6.5		12.5		3.0	6.0	0.5	10.0		9.5				9.5	5.0
7- 8		8.5					7.5	11.0	11.5	4.5	1.0		5.0	8.0	2.5							9.5	8.0
8- 9		9.5	8.0		8.5	7.0	6.5	3.5	2.0	9.5	2.0	3.0	7.0	1.5	4.5						6.5	6.5	10.5
9-10	1.5	11.0	2.0		6.5	13.0	5.5	11.5	7.0		3.5		0.5	3.5	6.5								5.0
10-11	3.0				4.0	4.0	4.5	4.0		4.5	4.5		2.5	5.5	8.5	9.0		10.5				3.5	3.0
11-12	5.0		8.0	10.0	1.5	10.0	3.5	12.0	2.0	9.0	6.0	1.0	4.5	7.5	2.0	12.5					8.0	2.0	5.5
12-13	6.5	1.5	2.5	9.5	10.5			4.5	7.0		7.0	5.0	6.5	1.0	4.0			0.5	0.5				8.5
13-14	8.5	3.0		9.0	8.0	7.0		12.5		4.0	8.5		0.0	3.0	6.0							10.0	11.0
14-15	10.5	4.0	8.5	8.5	5.5			4.5	2.5	9.0	9.5		2.0	5.0	8.0					10.0		8.5	
15-16		5.0	2.5	8.0	3.5	4.0	10.5		7.5		11.0	2.5	4.0	7.0	1.0	11.5		9.5			7.0	7.0	3.0
16-17		6.5		7.5	1.0	10.5	9.5	5.0		4.0	12.0		6.0	0.5	3.5							5.5	6.0
17-18	2.5	7.5	9.0	7.0	9.5		8.5		3.0	9.0	1.0		8.0	2.5	5.5							4.0	8.5
18-19	4.5	8.5	3.0	6.5	7.5	7.5	7.5	5.5	8.0		2.0	0.5	1.5	4.5	7.5		8.5			8.5	2.5	11.5	
19-20	6.5	10.0		6.0	5.0		6.5			4.0	3.5	4.5	3.5	6.5	0.5	11.0	9.0	11.0					
20-21	8.0	11.0	9.5	5.5	3.0	4.5	5.5	6.0	3.5	8.5	4.5		5.5	8.5	2.5		9.5					10.5	3.5
21-22	10.0		3.5	5.0	0.5	10.5	4.5		8.0		6.0		7.5	2.0	5.0		10.0		0.0	0.0	10.0	9.0	6.5
22-23				4.5	9.0		3.0	6.5		3.5	7.0	2.0	1.0	4.0	7.0		10.5				7.0	7.5	9.0
23-24		2.0	10.0	4.0	7.0	7.5			3.5	8.5	8.5		3.0	6.0	0.0	10.0	11.0					6.0	12.0
24-25	2.5	3.0	4.0	3.5	4.5			7.0	8.5		9.5		5.0	8.0	2.0		12.0	9.5				4.5	
25-26	4.0	4.0		3.0	2.5	4.5				3.5	11.0		7.0	1.5	4.0					8.5	3.0	4.0	
26-27	6.0	5.0	10.5	2.0		11.0	10.5	7.5	4.0	8.5	12.0	4.0	0.5	3.5	6.5							1.5	7.0
27-28	7.5	6.5	4.5	1.5	8.5		9.5		9.0		0.5		2.5	5.5	8.5	9.5						11.0	9.5