MAS RR Lyrae Ephemeris for October 2022 all times in U.T.

	SW AND	XX AND	AT AND	SW AQR	TZ AQR	YZ AQR	AA AQR	BO AQR	BR AQR	DN AQR	TZ AUR	BH AUR	RS BOO	ST BOO	SW BOO	SZ BOO	TV BOO	TW BOO	UU BOO	UY BOO	UY CAM	RW CNC	TT CNC
MAX	9.3	10.3	10.8	10.5	11.6	12.1	11.4	11.6	10.8	10.7	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
MIN	10.8	11.6	11.5	12.1	12.4	12.9	13.0	12.6	11.9	11.5	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
RISE	2	3	3	1	3	2	2	3	2	3	2	2	2	3	2	2	3	2	1	2	3	2	3
0- 1	6.5	5.0	10.5	6.5		5.5	6.0					3.5					0.5				5.0	7.5	12.0
1- 2	4.0		1.0	4.5	3.0			6.0			8.0			1.0							0.5	10.0	
2- 3	1.0	9.0	6.5	2.5	6.5		1.5		9.0	5.5		10.5	1.5								2.0	12.5	
3- 4	9.0	2.5		0.5			7.0		8.0		7.0	8.5							1.5		3.5		
4- 5	6.0		3.0			2.5		1.0	7.0	3.0		6.0		3.5			2.0	12.5		0.5	5.0		10.5
5- 6	3.5	6.5	8.5		3.0	5.0	2.5		6.5		6.0	4.0	1.5				0.5	1.0			0.5		
6- 7	0.5			5.5	6.5	7.5	8.0	3.0	5.5	0.5				0.5		1.0		2.5			2.0	8.0	
7- 8	8.5	10.5	5.0	3.5					4.5	7.0	5.0	11.0				2.0					3.5	10.5	
8- 9	5.5	4.0	11.0	2.0			4.0	4.5	3.5		9.0	8.5	2.0						2.0		5.5		9.0
9-10	3.0		1.5		3.0	1.5			3.0	4.5		6.5		3.0			2.0				0.5		12.0
10-11	0.0	8.0	7.0		6.5	4.0		6.5	2.0		8.0	4.5					0.5				2.0		
11-12	8.0	1.5		7.0		6.5	5.0		1.0	2.5											4.0		
12-13	5.0	12.0	3.5	5.0					0.0		7.0										5.5	8.5	8.0
13-14	2.5	5.5	9.0	3.0	3.0		0.5	1.5				9.0						0.5	2.5		0.5	11.0	11.0
14-15	10.0		0.0	1.0	6.5	1.0	6.0			6.5	6.0	7.0		2.5	0.5		2.0	2.5	0.5		2.5		
15-16	7.5	9.5	5.5			3.5		3.5				5.0			1.0		0.5				4.0		
16-17	4.5	2.5	11.0			6.0	1.5		8.5	4.0	5.0		0.5		1.5						5.5		
17-18	2.0		2.0	6.0	3.0		7.0	5.5	7.5		9.5				2.5	0.5					1.0		9.5
18-19	10.0	6.5	7.5	4.5	6.5				6.5	1.5		9.5				1.5			3.0		2.5	9.0	
19-20	7.0	0.0		2.5		0.0	3.0	7.0	5.5		8.5	7.5	1.0	2.0			2.0		1.0		4.0	11.5	
20-21	4.0	11.0	4.0	0.5		2.5			5.0			5.5					0.5				5.5		
21-22	1.5	4.0	9.5		3.0	5.0			4.0	5.5	7.5	3.0						0.5			1.0		8.0
22-23	9.5		0.5		6.5	7.5	4.0	2.0	3.0				1.0					2.0			2.5		11.0
23-24	6.5	8.0	6.0	5.5					2.0	3.5	6.5	10.0									4.0		
24-25	4.0	1.5	11.5	3.5				4.0	1.5			8.0		1.5			2.0		1.5		6.0	9.5	
25-26	1.0	12.0	2.5	1.5	3.0	1.5	5.0		0.5	1.0	5.5	5.5	1.5				0.5				1.0	12.0	
26-27	9.0	5.5	8.0		6.0	4.0		6.0		7.5		3.5									2.5		10.0
27-28	6.0					6.5	1.0														4.5		
28-29	3.5	9.5	4.5	7.0			6.0	8.0		5.0	8.5	10.5	2.0								6.0		
29-30	0.5	3.0	10.0	5.0	3.0			0.5	8.5			8.0		1.0		1.0	2.0		2.5		1.0	8.0	
30-31	8.5		1.0	3.0	6.0	1.0	2.0		7.5	2.5	7.5	6.0					0.5	1.5	0.5		3.0	10.0	8.5

MAS RR Lyrae Ephemeris for October 2022 all times in U.T.

	VZ CNC	VZ CNC	SS CVN	RV CAP	RZ CAP	VW CAP	YZ CAP	AN CAP	RR CET	RU CET	RV CET	RX CET	RZ CET	TY CET	UU CET	S COM	XX CYG	XZ CYG	DM CYG	RW DRA	XZ DRA	RX ERI	SV ERI
MAX	7.2	7.2	11.2	10.2	12.5	12.6	11.0	12.0	9.3	10.8	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
MIN	7.9	7.9	12.5	11.6	13.5	13.5	11.6	13.0	10.3	12.1	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
RISE	1	1	2	2	3	2	3	5	2	3	3	3	2	3	3	3	1	3	2	2	3	3	5
0- 1	8.0			2.0	5.0	4.5	2.0		11.5	9.0	3.5	4.5	9.0	5.0	8.5		9.5	8.5	9.0	6.0	3.0		6.5
1- 2					0.0	3.0	4.5	3.5			9.5	8.0	9.5	4.5			5.0	7.0	5.0	3.0	2.0		
2- 3					5.0	1.5	0.0		3.0	3.0			10.0	3.5	4.0	11.5	0.0	5.5	1.0	0.5	1.0	8.0	10.0
3- 4			2.0	5.5	0.0	0.5	2.5		5.5	7.0	6.5	1.0	10.5	3.0			5.5	3.5	7.5		11.5	12.5	
4- 5			0.5	3.0	5.0		4.5		8.0			4.5	11.0				0.5	2.0	3.5	5.5	10.0		
5- 6	8.0		11.0	0.5	0.5	5.0	0.5		10.5		3.5	8.5	11.5		5.0		6.0	0.5		3.0	9.0	6.5	6.5
6- 7					5.0	3.5	2.5	3.0		5.5	9.5						1.5		6.0	0.0	8.0	11.0	
7- 8					0.5	2.5	5.0		2.5	9.5		1.5					6.5	8.5	2.0		7.0		10.0
8- 9				3.5	5.5	1.0	0.5		5.0		6.0	5.0		7.0	5.5		2.0	7.0	8.5	5.0	5.5		
9-10				1.0	0.5		2.5		7.5	4.0		8.5		6.5		12.5	7.0	5.5	4.5	2.5	4.5	9.5	
10-11	8.0				5.5	6.0	5.0		10.0	8.0	3.0			6.0	1.5		2.5	3.5	0.5		3.5		6.5
11-12					0.5	4.5	0.5	3.0			9.0	2.0		5.0	6.5		7.5	2.0	7.0		2.5		
12-13				4.5	5.5	3.0	3.0		2.0	2.0		5.5	2.5	4.5		11.0	3.0	0.5	3.0	5.0	1.0	7.5	10.0
13-14				2.0	1.0	1.5	5.0		4.5	6.5	6.0	9.0	3.0	3.5	2.0		8.0			2.0	0.0	12.0	
14-15			2.0		5.5	0.5	1.0		7.0				3.5	3.0	7.0		3.5	8.5	5.5		10.5		
15-16			1.0		1.0		3.0		9.5		3.0	2.5	4.0				8.5	7.0	1.5		9.0	6.0	6.5
16-17			11.5	5.0	6.0	5.0	5.5	2.5		4.5	8.5	6.0	4.5		3.0		4.0	5.5	8.0	4.5	8.0	10.5	
17-18				2.5	1.0	3.5	1.0		1.5	9.0		9.5	5.5		8.0		9.0	3.5	4.0	2.0	7.0		9.5
18-19		8.5				2.5	3.5		4.0		5.5		6.0				4.5	2.0	0.0		6.0		
19-20					1.0	1.0	5.5		6.5	3.0		2.5	6.5	7.5	3.5	12.0	0.0	0.5	6.5	7.0	4.5	9.0	
20-21				5.5			1.0		9.0	7.0		6.0	7.0	6.5	8.5		5.0		2.5	4.0	3.5		6.0
21-22				3.0	1.5	5.5	3.5	2.5			8.5		7.5	6.0			0.5	8.5	8.5	1.5	2.5		
22-23				0.5		4.5	5.5						8.0	5.0	4.5		5.5	7.0	5.0		1.5	7.5	9.5
23-24		8.5			1.5	3.0	1.5		3.5	5.5	5.5	3.0	8.5	4.5			1.0	5.5	1.0	6.5	0.0	11.5	
24-25						1.5	3.5		6.0	9.5	11.0	6.5	9.0	4.0			6.0	3.5	7.5	4.0	10.5		
25-26				4.0	1.5	0.0	6.0		8.5				9.5	3.0	5.0		1.5	2.0	3.5	1.0	9.5	6.0	6.0
26-27			1.0	1.5			1.5	2.5	11.0	4.0	8.0		10.0				7.0	0.5			8.0	10.0	
27-28			11.5		1.5	5.0	4.0			8.0		3.5	10.5				2.0		6.0	6.5	7.0		9.5
28-29		8.0				3.5	6.0		3.0		5.0	7.0	11.0		5.5		7.5	8.5	2.0	3.5	6.0		
29-30				4.5	2.0	2.5	2.0		5.5	2.5	11.0		11.5			11.0	3.0	7.0	8.0	1.0	5.0	8.5	
30-31				2.0		1.0	4.0		8.0	6.5			12.0	7.5	1.5		8.0	5.0	4.5		3.5		6.0

MAS RR Lyrae Ephemeris for October 2022 all times in U.T.

	BB ERI	RX FOR	SS FOR	RR GEM	GQ GEM	TW HER	VX HER	VZ HER	AR HER	DL HER	DY HER	DY HER	DY HER	LS HER	SZ HYA	UU HYA	DG HYA	DH HYA	GO HYA	RR LEO	SS LEO	ST LEO	TV LEO
MAX	10.9	11.1	9.4	10.7	13.6	10.5	9.9	10.7	10.6	11.0	10.2	10.2	10.2	10.8	10.6	10.7	11.6	11.4	11.6	10.0	10.5	10.8	11.5
MIN	11.9	12.5	10.6	11.9	14.6	11.8	10.4	12.0	11.6	12.4	10.6	10.6	10.6	11.1	11.7	12.3	12.6	12.6	12.2	11.7	12.0	12.3	12.6
RISE	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	3	2	3	2	2	2	2
0- 1		9.5			11.0	4.0							3.0										
1- 2	8.5			8.0			2.0	4.5					0.5	1.5									
2- 3	12.0	4.5				4.0		2.0	4.5	1.5	1.0				10.0	9.5	10.5		12.0	10.0			
3- 4		9.5		8.0	7.5				3.0			2.0			11.5	10.5							
4- 5					11.0	4.0			1.5					1.5		11.5			10.0				11.0
5- 6	8.5			7.5				4.0	0.5	0.5			0.5				11.0						
6- 7	12.0	9.0	10.0			4.0	2.0	1.0			1.5												11.5
7- 8			10.0	7.0	7.5		0.0					2.5		1.5						9.5			
8- 9			9.5		11.0	4.0											11.5						12.0
9-10	8.0	9.0	9.5	7.0				3.0					1.0		9.5			11.0	12.0			11.0	
10-11	11.5		9.0			4.0		0.0	4.5		2.0			1.5	11.0			10.5					
11-12			9.0	6.5	7.5		2.5		3.0			3.0					11.5	10.0	10.0				
12-13		8.5	9.0		11.0	4.0	0.5	5.0	1.5	3.0		0.5						9.5		9.0			
13-14	8.0		8.5	6.0				2.0	0.0				1.0	1.5		9.5					11.5		
14-15	11.5		8.5			4.0					2.0					10.5	12.0						
15-16		8.0	8.0	6.0	7.5					2.0						11.5							
16-17			8.0		10.5	4.0	2.5	4.0				0.5		1.5					12.0	10.5			
17-18	7.5		7.5	5.5			0.5	1.0					1.5		11.0								
18-19	11.0	8.0	7.5			4.0			4.0	1.0	2.5								10.0		11.5		
19-20			7.0		7.0				2.5					1.5									
20-21			7.0		10.5	4.0		3.0	1.0			1.0										11.0	
21-22	7.5	7.5	7.0				3.0	0.5		0.0			2.0							10.0			
22-23	11.0		6.5	9.5		3.5	0.5				3.0			1.5									
23-24			6.5		7.0			5.0			0.0								12.0		12.0		
24-25		7.0	6.0	9.0	10.5	3.5		2.0				1.0			10.5	9.5							
25-26	7.0		6.0							3.5			2.0	1.5	12.5	10.5			10.0				
26-27	10.5		5.5	9.0		3.5	3.0		4.0							11.5				9.5			
27-28		7.0	5.5		7.0		1.0	4.0	2.5		0.5												
28-29			5.5	8.5	10.0	3.5		1.5	1.0	2.5		1.5		1.5							12.0		
29-30	7.0		5.0										2.5										
30-31	10.5	6.5	5.0	8.0		3.5													12.0				

MAS RR Lyrae Ephemeris for October 2022 all times in U.T.

	WW LEO	AA LEO	VY LMI	U LEP	SZ LYN	SZ LYN	SZ LYN	RR LYR	RZ LYR	ST OPH	AV PEG	BH PEG	RU SCL	DF SER	RV UMA	TU UMA
MAX	11.0	11.3	13.6	9.8	9.1	9.1	9.1	7.1	10.0	11.3	9.9	10.0	9.3	11.4	10.1	9.2
MIN	12.0	12.4	14.6	11.1	9.6	9.6	9.6	8.1	12.0	12.7	10.9	10.8	10.8	13.0	11.2	10.2
RISE	3	2	2	2	1	1	1	2	2	3	2	3	2	2	3	3
0- 1			12.0	7.0	6.0					3.0	4.5	8.0				11.0
1- 2				11.0	8.0					0.5	8.5					
2- 3	10.0						7.0	1.0			3.0	6.5			2.0	
3- 4						6.5		4.0			7.5				0.5	
4- 5				9.0	5.5	8.5		7.5			2.0	4.5		1.5	10.0	
5- 6	10.5				7.5				0.5	1.5	6.0					11.5
6- 7							6.5	0.0	1.0		1.0	2.5				
7- 8			8.0	6.5		6.0	8.5	3.5	1.5		5.0	9.5				
8- 9	11.0		9.0	10.5		8.0		6.5	2.0			0.5				
9-10			10.5		7.0				2.5	3.0	4.0	7.5			2.5	
10-11			11.5				6.0		3.0	0.5	8.0				1.0	12.0
11-12	11.0			8.5		5.0	8.0	2.5	3.5		2.5	5.5	8.0	1.5	10.5	
12-13				12.0		7.5		6.0	4.0		7.0		8.0			
13-14		12.5			6.5				5.0		1.5	4.0	7.5			
14-15	11.5			6.0	8.5		5.5		5.5	2.0	5.5		7.0			9.5
15-16				10.0			7.5	2.0	6.0		0.5	2.0	7.0	0.0		
16-17		12.0				6.5		5.0	6.5		4.5	8.5	6.5		3.0	
17-18	12.0		8.0		6.0						8.5	0.0	6.0		1.5	
18-19			9.0	8.0	8.0					3.0	3.5	7.0	6.0	1.5	11.0	
19-20		12.0	10.5	11.5			7.0	1.0		1.0	7.5		5.5		9.5	10.0
20-21	12.0		11.5			6.0		4.0			2.0	5.0	5.5			
21-22					5.5	8.0		7.5			6.5		5.0			
22-23		12.0		9.5	7.5						1.0	3.0	4.5	0.0		
23-24							6.5	0.0		2.0	5.0		4.5			
24-25						5.5	8.5	3.5				1.5	4.0		2.0	10.5
25-26		11.5		7.0		7.5		6.5			4.0	8.0	3.5	1.5	0.5	
26-27				11.0	7.0						8.0		3.5		10.0	
27-28			8.0				6.0		0.0	3.5	3.0	6.0	3.0			
28-29		11.5	9.0				8.0	2.5	0.5	1.0	7.0		2.5			
29-30			10.5	9.0		7.0		6.0	1.0		1.5	4.5	2.5	0.5		11.0
30-31			11.5		6.5				1.5		6.0		2.0			