

MAS Eclipsing Binary Ephemeris for July 2026

all times in U.T.

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	RT	TW	UU	WZ	XZ	AB	AB	AD	AD	BD	BX	DS	QX	QX	RY	CX	CZ	EK	EK	XZ	KO	KP	OO
	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AQR	AQR	AQR	AQR	AQR	AQL	AQL	AQL	AQL
MAX	9.3	8.8	11.2	11.6	10.0	9.3	9.3	11.1	11.1	11.3	8.6	10.8	11.3	11.3	8.8	10.7	10.3	10.8	10.8	9.3	8.3	9.7	9.2
MIN	10.2	11.0	14.1	12.6	13.0	10.2	10.2	11.6	11.6	11.7	9.5	11.4	11.6	11.6	10.1	12.0	11.2	11.3	11.3	11.2	9.3	10.5	10.1
DUR	3	11	8	4	3	3	3	4	4	3	4	4	3	3	5	3	3	3	3	7	5	4	3
TOT		2																					
							(S)		(S)					(S)				(S)					
0- 1	11.0					7.0	3.5	9.0		8.5			8.0			6.5		11.0		7.5		4.0	
1- 2	2.0			8.5	8.5	7.0	3.0	8.5		7.0				9.0	5.0	9.0		9.0				4.5	
2- 3	8.5					7.0	3.0	8.0		5.0	9.5		9.5					7.0	5.0			4.5	
3- 4				11.0		7.0	3.0	8.0		3.5			5.5		4.0					4.5		5.0	
4- 5	5.5					7.0		7.5						6.0			10.5	10.5		8.5		5.5	
5- 6					10.5	6.5		7.0		11.0	10.5		7.0			6.5	7.5		8.5		4.5	5.5	
6- 7	3.0			5.5		6.5		7.0		9.0				7.5		9.0		6.5				6.0	
7- 8	9.0	5.0				6.5		6.5		7.5	6.5		8.5									6.5	
8- 9				7.5		6.5		6.0		5.5				9.0				10.0				6.5	
9-10	6.5					6.5		6.0		4.0			10.0					8.0				7.0	
10-11				10.0		6.0		5.5		2.0	7.5		5.5			6.5		6.0				7.5	
11-12	3.5	8.0	11.0			6.0		5.0						6.5		9.0	8.0					7.5	
12-13	10.0					6.0		5.0		9.5			7.0					9.5				8.0	
13-14						6.0		4.5		8.0	9.0			8.0					7.5			8.5	
14-15	7.0		10.0			6.0		4.0		6.0			8.5									8.5	
15-16		11.0		6.5		5.5		4.0		4.0				9.5		6.5					7.0	9.0	
16-17	4.5				7.0	5.5		3.5		2.5	10.0					9.0		9.0				9.5	
17-18	10.5		9.5	8.5		5.5		3.0					6.0				9.0	7.5		4.5		9.5	
18-19	2.0					5.5		3.0		10.0	6.0			6.5								10.0	
19-20	8.0			11.0		5.5		2.5		8.0			7.5					10.5	8.0			10.5	
20-21			9.0		8.5	5.0				6.5				8.0		6.5		9.0		9.0		10.5	
21-22	5.0					5.0				4.5	7.0		8.5			9.5			7.0			11.0	
22-23				5.5		5.0				3.0				9.5									
23-24	2.5		8.0			5.0											10.0	10.5		5.5			
24-25	8.5			7.5	10.5	5.0				10.5	8.5		6.0				7.0		8.5				
25-26						4.5				8.5		5.5		6.5		6.5		6.5			9.5		
26-27	6.0		7.5	10.0		4.5				7.0		6.0	7.5			9.5				2.5			
27-28						4.5				5.0	9.5	6.0		8.0					10.0				
28-29	3.5					4.5				3.5		6.5	9.0					8.0					
29-30	9.5		7.0			4.0		11.0			5.5	6.5		9.5			11.0		6.0				
30-31						4.0			10.5	11.0	11.0	7.0				7.0	8.0						

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	OO	V342	V343	V346	RX	SS	SS	RY	SX	TT	WW	AR	CL	EM	EP	HP	HP	IM	V459	SS	SS	TU	TU
	AQL	AQL	AQL	AQL	ARI	ARI	ARI	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	BOO	BOO	BOO	BOO
MAX	9.2	9.0	10.6	9.0	9.4	10.1	10.1	11.7	8.2	8.7	5.7	6.0	11.7	11.0	10.8	10.8	10.8	7.9	7.7	10.3	10.3	11.7	11.7
MIN	10.1	12.5	12.3	10.4	9.9	11.1	11.1	14.0	9.0	9.7	6.4	6.7	13.2	11.9	11.3	11.5	11.5	8.5	8.1	11.0	11.0	12.7	12.7
DUR	3	7	4	4	4	3	3	6	4	5	5	5	4	4	3	3	3	4	4	18	18	3	3
TOT		3																		6	6		
	(S)						(S)									(S)		(S)	(2)	(3)		(S)	
0- 1	10.0									11.0												6.0	2.0
1- 2	10.5	3.5	7.5																			5.0	
2- 3	11.0																					4.5	
3- 4	11.0		3.5				6.5															4.0	
4- 5				2.5		7.0				11.0												3.5	7.0
5- 6				5.0			7.0								10.5							2.5	6.5
6- 7				8.0		7.5								9.0								2.0	6.0
7- 8				10.5			8.0		8.5														5.0
8- 9						8.5				11.0							10.5						4.5
9-10							8.5	10.0					11.0										4.0
10-11						9.0														6.5		7.0	3.5
11-12		7.5					9.5															6.5	2.5
12-13	2.0		9.0							11.0									10.5			6.0	2.0
13-14	2.0								10.0							10.0						5.0	
14-15	2.5		5.0										10.5									4.5	
15-16	3.0			4.0	7.0							10.5						11.0				4.0	
16-17	3.0			7.0	7.5					11.0												3.5	7.0
17-18	3.5			9.5	8.5	6.5																2.5	6.5
18-19	4.0	2.5			9.0		7.0								10.5		9.5			3.0		2.0	6.0
19-20	4.0				10.0	7.5			11.0				10.0										5.0
20-21	4.5				10.5		7.5			11.0								11.0					4.5
21-22	5.0					8.0																	4.0
22-23	5.0						8.5															7.0	3.0
23-24	5.5		10.5			9.0				11.0						9.5						6.5	2.5
24-25	6.0						9.0			11.0			9.0									6.0	2.0
25-26	6.0		7.0	3.0		9.5												10.5				5.0	
26-27	6.5			5.5										10.0								4.5	
27-28	7.0		3.0	8.5																		4.0	
28-29	7.0	6.5		11.0						11.0												3.0	7.0
29-30	7.5																		10.5			2.5	6.5
30-31	8.0																	10.5				2.0	6.0

	TY	TY	TZ	TZ	VW	VW	AD	AD	BW	BW	44	44	Y	SV	AL	AN	CD	CD	RW	TY	RZ	TV	TW
	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CAM	CAM	CAM	CAM	CAM	CAM	CAP	CAP	CAS	CAS	CAS
MAX	11.8	11.8	10.6	10.6	10.5	10.5	9.8	9.8	7.1	7.1	4.7	4.7	10.6	8.6	10.5	9.7	11.6	11.6	9.8	10.5	6.4	7.3	8.3
MIN	12.3	12.3	11.1	11.1	11.0	11.0	10.4	10.2	7.5	7.5	4.9	4.8	12.4	9.4	11.3	10.5	11.8	11.8	10.8	11.6	7.8	8.4	8.9
DUR	3	3	3	3	3	3	4	4	5	5	3	3	6	3	5	8	5	5	5	4	4	4	5
TOT																							
		(S)		(S)		(S)		(S)		(S)		(S)					(S)						
0- 1	4.0		2.0	5.5	4.5			2.0			2.5	6.0	6.5				10.5						
1- 2	3.0	7.0	6.5	3.0	5.0		3.0				4.5			2.5			5.0				10.0	4.5	
2- 3	2.0	5.5	4.0		5.5			4.0			6.0	3.0		7.0				8.5		5.0			
3- 4		4.5		5.0	6.5	2.0	4.5					4.5			7.0			3.0	8.0	9.5	5.5		
4- 5	7.0	3.5	6.0	2.5	7.0	3.0		5.5			3.0	6.0					6.5						
5- 6	6.0	2.0	3.5	7.0		3.5	6.5		5.5		4.5		6.0				10.0					11.0	
6- 7	5.0			4.5		4.0		7.0			6.5	3.0	10.5				4.5		4.5				
7- 8	3.5	7.5	5.5	2.0		5.0			4.0			5.0		6.5			8.0						
8- 9	2.5	6.5	2.5	6.5		5.5					3.5			5.5			2.0			4.5		7.5	
9-10		5.0		3.5	2.0	6.0					5.0	2.0		9.5				5.5		9.0			
10-11		4.0	4.5		2.5	6.5						3.5	4.5				9.0		11.0				
11-12	6.5	3.0	2.0	5.5	3.5						2.0	5.5		4.5	6.0		3.5	7.0				4.0	
12-13	5.5		6.5	3.0	4.0						4.0			9.0				7.0			7.0		
13-14	4.5		4.0		4.5						5.5	2.5					10.5		7.5				
14-15	3.0	7.0		5.0	5.0							4.0		3.5			5.0			3.5	2.5		
15-16	2.0	6.0	6.0	2.5	6.0	1.5			5.5		2.5	5.5		8.0	6.0			8.5		8.5		11.0	
16-17		4.5	3.5	7.0	6.5	2.5					4.0					9.5		2.5	3.5				
17-18	7.0	3.5		4.5		3.0			4.0		6.0	2.5		3.0			6.0						
18-19	6.0	2.5	5.0			3.5						4.5		7.0				9.5				7.5	
19-20	5.0		2.5	6.0		4.5					3.0	6.0			5.5			4.0					
20-21	3.5	7.5		3.5		5.0					4.5		2.5	2.0			7.5		10.0	3.0			
21-22	2.5	6.5	4.5			5.5					6.5	3.0		6.5			2.0	11.0		8.0	8.5	4.0	
22-23		5.0	2.0	5.5	2.0	6.5						5.0		11.0				5.5					
23-24		4.0	6.5	3.0	3.0	7.0					3.5		9.5		5.0		9.0		6.5		4.0		
24-25	6.5	3.0	4.0		3.5						5.0	2.0		5.5			3.5						
25-26	5.5			5.0	4.0				5.5			3.5		10.0				7.0				11.0	
26-27	4.5		6.0	2.0	4.5						2.0	5.0					10.5			2.5			
27-28	3.0	7.0	3.0	6.5	5.5				4.0		3.5			4.5	5.0		4.5			7.5			
28-29	2.0	6.0		4.0	6.0	2.0					5.5	2.0		9.0				8.0	6.0			7.5	
29-30		4.5	5.0		6.5	2.5						4.0						2.5					
30-31	7.5	3.5	2.5	6.0		3.0	2.0				2.5	5.5		4.0			6.0		9.5		10.0		

	ZZ	AB	CW	CW	DZ	IR	IS	IT	MM	OR	OX	OX	PV	PV	V364	V364	V375	V380	U	SU	WW	WZ	WZ
	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CEP	CEP	CEP	CEP	CEP
MAX	10.7	10.2	11.8	11.8	11.6	10.8	11.6	11.0	11.3	11.4	10.1	10.1	10.0	10.0	11.2	11.2	10.1	10.4	6.7	8.8	11.1	11.7	11.7
MIN	11.1	12.2	12.5	12.5	12.3	12.1	12.6	11.8	11.9	12.4	10.9	10.9	10.6	10.6	11.7	11.7	10.9	11.1	9.8	9.8	11.9	11.3	11.1
DUR	4	4	3	3	4	4	5	5	5	4	5	5	3	3	4	4	5	5	4	4	4	3	3
TOT																			2				
				(S)								(S)		(S)		(S)							(S)
0- 1	8.5		4.5						6.5						6.5				8.5			5.5	
1- 2			3.5	7.5	10.5	8.0	7.0		10.0								11.0	3.0					6.5
2- 3		8.0	2.5	6.5	5.5																	7.5	2.5
3- 4				5.5		9.0	3.0								8.5				10.0		3.5	8.5	
4- 5	2.0			4.5						6.5	7.0			10.0			9.5		7.5		9.5	4.5	
5- 6	8.0		7.0	3.5	9.0	10.0							6.5					4.5	8.5	5.5	5.5		
6- 7		10.5	6.0	2.5	3.5	2.0								4.0	11.0				3.0				6.5
7- 8			5.0			11.0			5.0							5.5	8.5					7.5	2.5
8- 9			4.0			3.0			9.0													3.5	8.5
9-10		4.0	3.0	7.0	7.0					6.0	6.5							6.5				10.0	5.0
10-11	7.5		2.0	5.5	2.0	4.5						11.0				7.5	7.0		8.0			6.0	
11-12				4.5										10.0								2.0	7.0
12-13			7.5	3.5	10.5	5.5	8.0						6.5						10.5		8.0	3.0	
13-14		6.5	6.5	2.5	5.0									4.0		9.5	6.0	8.0	8.0		4.0	9.0	
14-15			5.5			6.5	4.5		4.0	5.5	6.0				4.0				5.5		10.0	5.0	
15-16	6.5		4.5						8.0			10.5							7.5	3.5		6.0	
16-17			3.5	7.0	8.5	7.5											4.5					2.0	7.0
17-18		9.0	2.5	6.0	3.5										6.0			9.5				8.0	3.0
18-19				5.0		8.5								10.0								4.0	9.0
19-20				4.0						5.0	5.5		6.5				3.0						5.0
20-21	6.0	2.5	7.0	3.0	6.5	9.5				11.0		10.0		4.0	8.0			3.0	7.5		6.5	6.5	
21-22			6.0	2.0															11.0		2.5	7.5	
22-23			4.5			10.5		9.5	6.5								2.0		8.5		8.5	3.5	
23-24			3.5	7.5	10.0	2.5	9.5		10.5						10.0				6.0		4.5	9.5	
24-25		5.0	2.5	6.5	5.0					5.0	5.0					4.5		4.5	3.5			5.5	
25-26	5.5			5.5		3.5	5.5			10.5		9.5		10.0					7.0			6.5	
26-27				4.5				7.0					6.5									2.5	7.5
27-28			7.0	3.5	8.0	4.5								4.0		6.5					8.5	3.5	
28-29		7.5	6.0	2.5	3.0												6.5				4.5	9.5	
29-30			5.0			5.5			5.5	4.5	4.5						11.0						5.5
30-31	5.0		4.0					4.5	9.0	10.5		9.0				9.0			6.5	11.0		6.5	

	XX	ZZ	CW	CW	DK	DL	DV	EG	EK	GK	SS	TT	TX	RW	RW	RZ	RZ	SS	SS	CC	CC	U	RW
	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CET	CET	CET	COM	COM	COM	COM	COM	COM	COM	COM	CRB	CRB
MAX	8.5	9.3	7.6	7.6	12.2	12.4	11.6	9.6	8.2	6.9	9.4	10.8	10.9	11.0	11.0	10.0	10.0	10.9	10.9	11.0	11.0	7.6	10.1
MIN	9.6	10.0	8.0	8.0	14.2	13.2	12.4	10.6	9.5	7.4	13.0	11.3	11.5	11.6	11.6	10.7	10.7	11.5	11.5	11.9	11.9	8.8	10.6
DUR	4	5	5	5	4	5	4	3	6	4	5	3	4	3	3	3	3	4	4	2	2	5	4
TOT											2		1										
				(S)											(S)		(S)		(S)		(S)		
0- 1		5.0			2.0		11.0	3.0		2.0			9.0	4.0		4.5			3.0		4.5	8.0	5.5
1- 2			8.5		2.0			5.0						2.5	5.5	5.0		3.5		4.0			
2- 3		8.5				3.0		7.5				10.5			4.5	5.0			4.5		4.0		
3- 4								9.5	7.5			10.0	8.0		3.0	5.5		5.0		4.0			3.5
4- 5	8.5		2.0									9.0		4.5	2.0		2.0				3.5		
5- 6				11.0		9.5	2.5					8.5		3.5			2.0			3.5			7.5
6- 7							6.5	3.0						2.5	5.0		2.5	2.5			3.5		
7- 8							10.5	5.0							4.0		3.0		3.0	3.0		6.0	
8- 9				4.5				7.0						5.5	2.5		3.5	4.0			3.0		5.5
9-10								9.0		10.5				4.5			3.5		5.0	3.0			
10-11						7.0				9.0				3.0			4.0	5.5		5.5	2.5		
11-12	9.0									7.5				2.0	5.0		4.5			2.5	5.0		3.0
12-13			6.5				2.0	2.5	4.0	6.0					3.5		5.0		2.0	5.0	2.5		
13-14							6.0	4.5		4.5				5.0	2.5		5.0	3.0		2.0	5.0		7.5
14-15							9.5	7.0		3.0			10.5	4.0			5.5		3.5	4.5	2.0	3.5	
15-16		5.0				4.0		9.0						3.0	5.5	2.0		4.5		2.0	4.5		
16-17				9.0											4.5	2.0			5.0	4.5			5.0
17-18		8.5											9.5		3.0	2.5					4.0		
18-19	9.0					10.5		2.5						5.0	2.0	3.0		2.0		4.0			
19-20				2.5				4.5				10.5		3.5		3.5			2.5		4.0		3.0
20-21			11.0				5.0	6.5				10.0	9.0	2.5	5.5	3.5		3.5		3.5			
21-22							9.0	9.0				9.5			4.0	4.0			4.0		3.5		7.0
22-23								11.0				8.5		5.5	3.0	4.5		5.0		3.5			
23-24			4.5			8.0							8.0	4.5		5.0			5.5		3.0		
24-25								2.0		10.0	11.0			3.0		5.0				3.0			5.0
25-26	9.5							4.5	11.0	8.5				2.0	5.0	5.5		2.0			3.0		
26-27								6.5		7.0					3.5		2.0		3.0	2.5	5.5		9.0
27-28				7.0			4.5	8.5		5.5	10.5			5.5	2.5		2.5	4.0		5.0	2.5		2.5
28-29						5.5	8.5	10.5		4.0				4.0			2.5		4.5	2.5	5.0		
29-30										2.5				3.0			3.0	5.5		5.0	2.0		7.0
30-31		5.0						2.0			10.0				4.5		3.5			2.0	4.5		

MAS Eclipsing Binary Ephemeris for July 2026

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all times in U.T.

	TW	W	W	RV	RV	SX	SX	V	Y	SW	WW	ZZ	AE	BR	CG	DK	KR	KV	V346	V387	V388	V401	V456
	CRB	CRV	CRV	CRV	CRV	CRV	CRV	CRT	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG
MAX	10.5	10.6	10.6	9.0	9.0	8.9	8.9	9.5	7.0	9.3	9.9	10.7	11.8	9.4	11.0	10.3	9.2	11.5	11.8	11.5	9.7	10.8	10.8
MIN	11.3	11.2	11.2	10.0	10.0	9.2	9.2	10.2	7.6	11.8	13.2	12.0	12.8	10.5	11.8	10.8	10.0	12.6	13.6	12.3	10.3	11.6	11.9
DUR	4	4	4	4	4	3	3	4	6	5	5	4	4	4	3	4	4	5	5	3	3	4	3
TOT										2													
			(S)		(S)		(S)		(S)														
0- 1					2.0				2.0					6.5	10.5	4.5		2.5		7.5		3.5	9.5
1- 2	5.0										3.0	2.5				3.0	9.5			10.5	7.5	7.0	
2- 3	9.0						2.5					8.5			7.5		6.0		6.0	7.5		4.5	
3- 4					2.0				2.0								2.0			4.0		1.5	
4- 5	3.5	3.0									10.5	6.0		6.5	5.0	10.0			10.5	4.0		5.5	
5- 6	8.0		2.5			2.5										8.5				10.5		9.0	
6- 7									2.0			3.0			2.5	7.0				2.0			
7- 8	2.5											9.0			9.0	6.0	7.5		4.5	9.0	11.0	3.0	
8- 9	6.5						2.5							6.5		4.5	4.0				7.5	7.0	10.0
9-10									2.0			6.5			6.5	3.0				7.0	4.0	11.0	7.5
10-11			3.5																				5.0
11-12	5.0	2.5				3.0					2.0	3.5	11.0		4.0		11.0		5.0		5.0	2.0	
12-13	9.5		2.0							2.5		10.0	10.0	6.5	10.0	10.0	9.5					9.0	
13-14													9.5			8.5	5.5			3.0			
14-15	4.0						3.0				9.5	7.0	8.5		7.5	7.0	2.0	7.0	10.0	8.0	3.0		
15-16	8.0						2.0	2.0					8.0			6.0			10.0	4.5	7.0		
16-17												4.5	7.0	6.5	5.0	4.5				8.0		11.0	10.5
17-18	2.5		3.0			3.5					10.5	6.5				3.0	11.0	3.5					8.0
18-19	7.0	2.5				2.0							5.5		2.5		7.5		4.0	6.0		5.0	5.5
19-20												8.0	5.0		8.5		3.5					9.0	2.5
20-21							3.5						4.0	6.0		10.0				4.5	8.0		
21-22	5.5						2.5			6.0		5.0	3.5		6.0	8.5				11.0	5.0	3.0	
22-23								2.5					2.5			7.5				2.5		7.0	
23-24		3.5										2.5	2.0		3.5	6.0	9.0			9.0		11.0	
24-25	4.0		2.5			2.5					8.5	8.5		6.0	10.0	4.5	5.5						11.0
25-26	8.5	2.0														3.0				7.5		5.0	8.5
26-27											6.0				7.5				9.5		8.5	8.5	6.0
27-28	3.0						2.5													5.5	5.0		3.0
28-29	7.0			3.5								3.0		6.0	5.0	10.0	10.5				2.0	2.5	
29-30												9.0			11.0	8.5	7.0		3.0	3.5		6.5	
30-31		3.0				3.0				9.5					2.0	7.5	3.0			10.5		10.5	

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	V466	V466	V477	V477	V548	V704	1034	W	TT	TY	YY	FZ	Z	RZ	TW	UZ	UZ	AI	BH	S	WW	Z	RX
	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA	DRA	DRA	EQU	GEM	HER	HER
MAX	10.8	10.8	8.3	8.3	8.9	13.8	9.6	9.4	10.6	9.6	11.0	10.2	10.8	10.0	7.8	9.9	9.9	7.2	8.0	8.0	9.8	7.3	7.1
MIN	11.6	11.6	9.2	8.7	9.7	14.6	10.6	12.7	12.5	10.8	12.0	11.3	13.6	10.9	9.5	10.7	10.7	8.2	8.6	10.0	10.5	8.2	7.7
DUR	4	4	4	4	5	4	4	7	5	4	4	3	4	3	5	5	5	4	5	5	4	8	5
TOT								2							1								
		(S)		(S)													(S)						
0- 1	10.5						5.5				8.5	4.0		6.5		9.5							
1- 2		3.5	4.0			2.5	5.0				3.5		6.5	9.0					10.5		2.5	7.5	
2- 3						6.0	4.5											6.0					
3- 4	5.5					9.5	4.0					7.0						10.5				2.5	
4- 5				5.0			3.5			4.5	8.0			3.0									
5- 6		7.5				2.5	3.0			9.0	3.0		8.5	5.5		7.0					2.5		
6- 7					10.5	6.0	2.0					10.0		8.0					7.0				
7- 8	9.5					9.0						5.0		10.5	8.0								
8- 9		2.5	5.0		5.5						7.0							6.0	2.5	7.5	11.0	10.5	
9-10						2.5					2.0		10.0	2.0			10.5				2.5		
10-11	4.5					5.5				3.0		8.0		4.5	3.5	4.0						5.0	
11-12				6.0		9.0				8.0	11.0	3.0		7.0									
12-13		6.5									6.0		3.5	9.5									
13-14						2.0			9.0							10.5						2.0	
14-15	8.5					5.5						6.0						5.5					
15-16			6.0		11.0	9.0					10.0			3.5				10.5	9.0	4.0			
16-17		10.5							5.5	2.0	5.5		5.0	6.0									
17-18	3.5				6.5	2.0				6.5		9.5		8.5					4.5		2.0	8.0	
18-19				7.0		5.5		9.0				4.0		11.0		8.0							
19-20		5.5				9.0			2.5		9.5											2.5	
20-21											4.5		7.0	2.5				5.5					
21-22	7.5					2.0						7.5		5.0	9.0			10.5			2.0		
22-23			7.0			5.5								7.5									
23-24		9.5				8.5		4.5		5.5	8.5			10.0		5.5							
24-25	2.5									10.5	3.5	10.5	8.5		4.5				11.0			10.5	
25-26				8.0		2.0						5.5											
26-27		4.5			7.0	5.0								4.0				5.5	6.5			5.5	
27-28						8.5					7.5		1.5	6.5				10.0					
28-29	6.5				2.0						3.0	8.5	10.5	9.0		2.5			2.5				
29-30			8.0							4.5		3.5											
30-31		8.5				5.0				9.0													

	SZ	TT	TU	UX	CC	CT	DI	DI	HS	HS	LT	V728	68	AV	SW	SW	VX	AW	CM	CO	CO	DG	GX
	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC
MAX	10.2	9.7	10.6	8.9	9.5	9.9	8.4	8.4	8.5	8.5	10.7	10.9	4.7	10.2	9.2	9.2	10.9	10.6	8.5	10.5	10.5	10.8	10.1
MIN	12.0	10.4	13.4	9.8	12.8	11.2	9.1	9.1	9.0	9.0	11.1	11.5	5.4	10.6	10.0	10.0	12.3	11.3	9.5	11.0	11.0	12.0	10.4
DUR	4	4	5	5	4	4	6	6	4	4	4	3	5	4	3	3	4	5	4	5	5	4	6
TOT			1																				
								(S)		(S)						(S)				(S)			
0- 1	10.0	4.5				5.0				8.5					6.0					7.5			
1- 2	6.0	2.5					3.5		3.0			10.0			5.0				9.5	2.5		2.0	6.0
2- 3			3.0	7.5								8.5			4.0								
3- 4											2.5	7.0			3.5	7.0					9.5	7.0	
4- 5			9.5						10.0		4.5	5.5				6.0	3.0			4.5			
5- 6	8.0			10.0	4.0					6.5	6.5	4.5				5.5	4.5	3.5					
6- 7	3.5										8.5	3.0				4.5	6.5	7.0	5.0				
7- 8						8.5									7.5	3.5	8.0	10.5		6.5			
8- 9		9.5													6.5	2.5	10.0						
9-10	10.0	7.5				3.5		6.5	7.5			10.0			5.5				10.0				
10-11	6.0	5.0								4.5		9.0			4.5					8.5			
11-12		3.0	4.5									7.5			3.5	7.5					2.5		
12-13					2.5							6.0			3.0	6.5						3.0	
13-14				4.0						11.0		4.5				5.5		3.5		10.5			
14-15	8.0								5.5			3.0				5.0		7.0	5.5		4.5	8.0	
15-16	3.5									2.0		2.0				4.0		10.5					
16-17				6.5		7.0					3.0				7.0	3.0							
17-18					7.5						5.0	10.5			6.0				10.5		6.5		
18-19	10.0					2.0				9.0	7.0	9.0	2.0		5.0								
19-20	5.5	8.0		8.5					3.5		9.0	7.5			4.0		4.0						
20-21		6.0	6.5									6.5	3.0		3.0	7.0	5.5			8.5		8.0	
21-22		4.0										5.0				6.0	7.5	3.5		3.5			
22-23		2.0					6.0		10.0			3.5	4.5			5.0	9.5	7.0	6.0		10.5	3.5	
23-24	8.0									6.5		2.0				4.5	11.0	10.5					
24-25	3.5			6.0									5.5		7.5	3.5				5.5			
25-26						5.5						10.5			6.5	2.5						8.5	
26-27												9.5	7.0		5.5								
27-28	10.0			2.5					8.0			8.0			4.5					7.5			
28-29	5.5									4.5		6.5	8.0	2.0	3.5	7.5							
29-30		9.0	8.0								3.0	5.0			2.5	6.5		3.5					
30-31		7.0		5.0				9.0			5.0	4.0	9.0			5.5		7.0	6.5	9.5			

	MZ	MZ	Y	UU	UV	WZ	XY	XZ	AM	T	SS	DELT	RY	UZ	EW	FL	U	SX	V501	V508	V839	1010	1010
	LAC	LAC	LEO	LEO	LEO	LEO	LEO	LEO	LEO	LMI	LIB	LIB	LYN	LYR	LYR	LYR	OPH	OPH	OPH	OPH	OPH	OPH	OPH
MAX	11.2	11.2	9.5	11.4	9.5	11.3	9.5	10.6	9.2	10.2	10.4	4.8	11.9	9.8	11.2	8.7	5.8	10.5	10.9	10.1	8.8	6.2	6.2
MIN	12.1	12.1	12.7	12.7	10.2	12.0	9.9	11.2	9.8	12.6	11.3	5.9	13.3	11.0	13.6	9.5	6.5	11.2	11.8	10.7	9.4	7.0	7.0
DUR	4	4	5	4	3	5	2	3	3	6	6	7	4	5	5	4	5	5	4	3	3	4	4
TOT																							
	(S)																						(S)
0- 1	3.5			2.0					2.5							8.5			6.0	2.0	9.5		2.5
1- 2					2.5									9.0					5.5	3.0	5.0	2.0	
2- 3							3.0	2.5											4.5	3.5			2.0
3- 4	7.5							2.0			5.0			6.0					3.5	4.5	6.5	2.0	
4- 5					2.5		2.5		3.0								6.0		3.0	5.5	2.0		
5- 6														3.5					2.0	6.0	7.5		
6- 7							2.5													7.0	3.0		
7- 8					2.5															8.0	8.5		
8- 9							2.0														4.0		
9-10											6.0					2.0	7.0				9.5		
10-11					2.5		2.0					4.5								2.0	5.0		
11-12		3.5							2.0							6.0				3.0			
12-13											3.0									3.5	6.0		
13-14					2.5											10.5		2.0		4.5	2.0		8.0
14-15		7.5											2.0				7.5		5.5	7.5	7.5		
15-16									2.5									3.5		6.0	3.0		7.5
16-17					2.5															7.0	8.5	7.5	
17-18		11.0									4.0				10.0			5.0		8.0	4.0		7.0
18-19														9.5							9.5	7.0	
19-20	2.5				2.5				3.0						9.0		8.5	6.5			5.0		6.5
20-21															7.0					2.0		6.5	
21-22															7.5					3.0	6.0		6.5
22-23	6.5				2.5			2.5			5.0			4.0		3.5				3.5	2.0	6.0	
23-24								2.0	3.5						6.5					4.5	7.5		6.0
24-25												3.5	3.0			7.5	9.0		11.0	5.5	3.0	5.5	
25-26	10.0				2.5						2.0				5.0				10.0	6.0	8.5		5.5
26-27			2.5						1.5	2.0									9.5	7.0	4.0	5.5	
27-28						2.0									4.0				8.5	8.0	9.5		5.0
28-29					2.5														7.5		5.0	5.0	
29-30							2.5			2.5					2.5				7.0				5.0
30-31		2.5							2.5										6.0	2.0	6.0	4.5	

	EQ	ET	FH	U	U	TY	UX	AQ	AQ	AQ	BB	BB	BG	BX	BX	DI	GP	KW	KW	Z	RT	RV	ST
	ORI	ORI	ORI	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PER	PER	PER	PER
MAX	10.3	11.2	10.5	9.7	9.7	10.5	10.7	10.3	10.3	10.3	10.6	10.6	10.5	10.9	10.9	9.6	10.2	12.1	12.1	9.9	10.6	10.3	9.7
MIN	13.3	12.4	11.5	10.5	10.5	12.6	12.0	13.0	13.0	13.0	11.2	11.2	11.8	11.5	11.5	10.8	11.0	12.4	12.4	12.4	12.0	12.7	13.2
DUR	4	5	5	3	3	6	5	12	12	12	3	3	4	3	3	2	4	3	3	6	4	8	5
TOT								4	4	4			1							2			1
					(S)			(2)		(3)		(S)						(S)					
0- 1	11.0				9.0						4.0	8.5		3.5			7.5	3.0			10.5		
1- 2				7.5			6.0				6.0		6.5	6.5	3.0	7.0	7.0		8.5		6.5		
2- 3					6.0	6.5					8.0	3.5		2.5	6.0		6.5		4.0				
3- 4					9.0				3.0	5.0		6.0	5.5	5.5	2.0	10.0	6.0	9.5					
4- 5				7.5			8.5				3.5	8.0			5.0		5.5	5.0					
5- 6	11.0				6.0	9.0					5.5		4.0	4.5			4.5		10.5				
6- 7					9.0						7.5				4.0	6.5	4.0		6.0		9.0		
7- 8				7.5			10.5					5.0		3.5			3.5						
8- 9					6.0	11.0						7.0		6.5	3.5	10.0		7.0					
9-10					9.0						5.0			3.0	6.0			2.5					10.5
10-11				7.5							7.0			5.5	2.5				8.0				
11-12					6.0							4.5			5.5	6.0			3.5	5.5			
12-13					9.0							6.5		5.0				9.0			7.5		
13-14				7.5							4.5				4.5	9.5		4.5					
14-15		11.0			5.5			3.5	5.5	7.5	6.5			4.0				10.0	6.5				
15-16					8.5		4.0				8.5	4.0			3.5			5.5					
16-17				7.0								6.0		3.0	6.5	5.5		11.0					
17-18					5.5						4.0	8.0		6.0	2.5			6.5		8.0	10.0		9.0
18-19					8.5		6.0				6.0			2.0	5.5	9.0		2.0			6.5		
19-20				7.0							8.0	3.5		5.0					7.5				
20-21					5.5							5.5			4.5				3.0	9.5			
21-22					8.5		8.0					7.5		4.0		5.5		8.5					
22-23				7.0							5.0				4.0			4.0					
23-24					5.5						7.5			3.5	6.5	8.5			9.5	10.5	9.0		
24-25					8.5		10.5					5.0		6.0	3.0				5.0				
25-26				7.0				5.5	7.5	9.5		7.0		2.5	6.0		10.5						8.0
26-27					5.5						4.5			5.5	2.0	5.0		6.0					
27-28					8.5						6.5				5.0								
28-29				7.0								4.5		4.5		8.0		7.0		11.0			
29-30					5.5							6.5			4.0			2.5		7.5			
30-31					8.5						4.0	8.5		3.5			8.0				11.0		

MAS Eclipsing Binary Ephemeris for July 2026

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all times in U.T.

	XZ	IQ	IQ	IT	IU	KW	V432	BETA	Y	RV	U	V505	1968	RS	AO	CC	CC	Y	RW	RZ	TY	AC	AM
	PER	PER	PER	PER	PER	PER	PER	PER	PSC	PSC	SGE	SGR	SGR	SER	SER	SER	SER	SEX	TAU	TAU	TAU	TAU	TAU
MAX	10.6	7.7	7.7	9.9	10.5	10.5	11.0	2.2	9.0	11.3	6.4	6.4	12.3	10.8	10.6	11.1	11.1	9.8	8.0	10.5	11.5	10.5	10.4
MIN	12.7	8.3	7.9	10.5	11.6	11.5	11.7	3.5	12.0	12.0	9.1	7.6	13.3	11.5	12.1	11.7	11.7	10.2	12.5	11.2	12.0	12.3	12.3
DUR	4	5	5	4	5	4	3	8	7	3	6	5	4	4	4	4	4	3	4	3	2	6	5
TOT											2								1				
			(S)														(S)						
0- 1			10.0							10.5		5.0		4.5	3.5	6.5					10.0		
1- 2		9.0			8.5						9.5	9.5	4.5	9.0		7.5							
2- 3													7.5			8.0	2.0						
3- 4														4.0			2.5			10.0			
4- 5						11.0	7.5			7.5				9.0			3.5						
5- 6						9.5				10.5			3.0				4.0						
6- 7						7.5						3.0	6.0	4.0	7.0		5.0						
7- 8	9.0		9.5		8.5	6.0						7.5	9.0	8.5	4.0		5.5						
8- 9		8.5				4.5					3.5						6.5		8.5	9.5			
9-10							7.5			7.5				3.5			7.0						
10-11										10.0			4.5	8.5		2.0	8.0						
11-12				6.5									7.5				2.5						
12-13							9.0							3.5		3.5							
13-14					8.5							5.5		8.0	8.0	4.0							
14-15	7.0		9.0	8.0			7.0	11.0	6.5	7.0		10.0	3.5		5.0	5.0				10.0			
15-16	10.5	8.0								9.5			6.5	3.5	2.0	5.5							
16-17														8.0		6.5							
17-18				9.5			8.5	8.0								7.0					10.5		
18-19						10.0					7.0		2.0	3.0		8.0	2.0	2.0					
19-20					8.5	8.5	6.5			6.5		3.5	5.0	8.0			2.5		10.5				
20-21						7.0				9.5		8.0	8.0		8.5		3.5						11.0
21-22			8.0			5.5								3.0	6.0		4.0						
22-23	8.5	7.0					8.0							7.5	3.0		5.0						
23-24													3.5				5.5						
24-25										6.5			6.5	2.5			6.5						
25-26					8.5					9.0				7.5			7.0						
26-27												5.5				1.5	8.0						
27-28							7.5					10.0	2.0	2.5		2.5							
28-29			7.5								10.5		5.0	7.0	6.5	3.5				10.0			
29-30									8.0	6.0			8.5		3.5	4.0							
30-31	10.0									8.5				2.0		5.0							

	AQ	HU	V	X	RS	RV	W	TX	TY	TY	UX	UX	VV	XZ	ZZ	AF	W	RU	VV	AG	AH	AH	AK
	TAU	TAU	TRI	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMI	UMI	VIR	VIR	VIR	VIR	VIR
MAX	12.0	6.0	10.9	8.9	10.3	11.4	9.1	6.8	11.7	11.7	12.7	12.7	10.1	10.1	9.8	10.8	8.6	10.7	11.7	8.8	9.7	9.7	10.0
MIN	12.9	6.8	11.9	12.0	11.0	12.5	9.9	8.9	12.4	12.4	13.8	13.8	11.0	11.7	11.2	11.6	9.7	11.4	13.5	9.4	10.2	10.2	11.5
DUR	5	6	4	4	4	4	3	6	3	3	1	1	3	3	4	8	7	4	4	4	4	4	4
TOT																							
										(S)												(S)	
0- 1			9.0				4.0		4.0		6.5			3.5			7.0			4.0			
1- 2							4.0		5.5		6.0						7.5	8.0		2.5		4.5	
2- 3						10.0	4.0		7.0	3.0		5.5			11.0			9.5	4.5				
3- 4			7.0				4.0			4.5	5.0		2.5					10.5	2.0				
4- 5							4.0			6.0		5.0											
5- 6				11.0		10.0	4.0		3.0	7.5	4.5	9.0	4.0										
6- 7				10.5			4.0		4.5		8.5	4.0				8.0	10.0		5.0				2.0
7- 8			9.5	9.5			4.0		6.5	2.0	3.5	8.5	5.5	4.0				2.5	2.0		2.5		
8- 9				9.0		10.5	4.0		8.0	3.5	8.0	3.0					2.5	4.0		4.0		3.0	
9-10				8.0			4.0			5.0	3.0	7.5			8.5			5.0			3.5		
10-11			7.5	7.5			4.0		2.5	6.5	7.0	2.5						6.0	5.0	2.5		4.0	
11-12				7.0		11.0	4.0	3.0	4.0	8.0	2.0	6.5						7.5	2.5		4.5		
12-13							4.0		5.5		6.5							8.5				5.0	4.5
13-14	11.0		6.0				4.0		7.0	2.5		6.0					5.0	10.0					
14-15			10.0		10.5		4.5	5.0		4.0	5.5		2.5					11.0	5.5				
15-16		10.5					4.5			5.5		5.0							3.0				
16-17					8.0		4.5		3.0	7.5	4.5		4.0		6.0								
17-18			8.5				4.5		4.5		9.0	4.5						2.0		4.0		2.0	
18-19					6.0		4.5		6.0	2.0	4.0	8.5	5.5	4.0			7.5	3.0			2.5		4.0
19-20							4.5		7.5	3.5	8.0	3.5						4.5	3.5	2.5		3.0	
20-21			6.5				4.5			5.0	3.0	8.0						5.5			3.5		
21-22			10.5			6.0	4.5		2.0	6.5	7.5	2.5						7.0				4.0	
22-23							4.5		3.5	8.0	2.5	7.0				2.5		8.0			4.5		
23-24							4.5		5.0		6.5	2.0			3.5		10.0	9.0	3.5			5.0	
24-25	9.5		9.0			6.5	4.5		6.5	2.5		6.0						10.5					3.0
25-26							4.5		8.0	4.0	6.0		2.5		10.5		3.0						
26-27							4.5			5.5		5.5								4.0			
27-28			7.0			7.0	4.5		3.0	7.0	5.0		4.0			8.5			4.0		2.0		
28-29			11.0				4.5		4.5			4.5						2.5		2.0		2.0	
29-30							4.5		6.0		4.0	9.0	5.5	4.0				4.0			2.5		
30-31						7.0	4.5		7.5	3.0	8.5	4.0					5.5	5.0				3.0	2.0

	AW	AW	AX	AZ	AZ	BH	MS	MS	NY	Z	AW	AY	BE	BO	BS	BT	BU	CD	V495	V495
	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL
MAX	10.8	10.8	10.0	11.0	11.0	9.9	9.4	9.4	13.3	7.4	10.8	11.0	9.9	10.4	11.0	11.8	10.6	11.5	9.6	9.6
MIN	11.9	11.9	10.8	11.8	11.8	11.3	9.7	9.7	14.2	9.2	11.9	12.9	11.4	13.3	11.5	12.5	11.4	12.6	10.0	10.0
DUR	3	3	4	3	3	4	3	3	1	6	5	4	5	4	3	3	3	4	4	4
TOT																				
		(S)			(S)			(S)												(S)
0- 1	3.5			5.0			4.0		2.0						7.0		2.5	2.5		
1- 2	5.0		2.5		2.0		2.5		2.5				10.5		6.0		5.5	11.0		10.0
2- 3		2.0			3.0	3.5		4.5			10.0	6.0			5.0		9.0	3.5	5.5	
3- 4		3.5	5.0		4.0			3.0			5.5				3.5					
4- 5		5.0			5.5					9.5					2.5		2.0	5.0		
5- 6	2.5			2.5			4.0										5.5			
6- 7	4.0			3.5		5.5	2.5				11.0		2.5			4.5	8.5	6.0		7.5
7- 8	5.5			5.0				4.5			6.5	2.0			10.5	8.0			3.0	
8- 9		2.5	3.0	6.0	1.5			3.0							9.5			7.0		
9-10		4.0			3.0				2.0	7.5			5.0		8.0		5.0			
10-11		5.5	5.5		4.0		4.0		2.0						7.0		8.0	8.5	9.5	
11-12	3.0				5.5	3.0	2.5		2.5		7.0				6.0					5.5
12-13	4.5			2.0				4.5			2.5		7.5		4.5			9.5		
13-14				3.5				3.0							3.5		4.5	2.0		
14-15		3.0		4.5						5.0		7.5			2.5	4.0	8.0	11.0		
15-16		4.5	3.5	6.0		5.0	4.0				8.0		10.0			7.5	11.0	3.5	7.5	
16-17	2.0				3.0		2.5				3.0					11.0				3.0
17-18	3.5				4.0			4.5							10.5		4.0	4.5		
18-19	4.5				5.0			3.0							9.0		7.5			
19-20		2.0		2.0					2.0	3.0	8.5	3.5			8.0		10.5	6.0		9.5
20-21		3.5		3.5		2.5	4.0		2.0		4.0			11.0	7.0				5.0	
21-22		5.0		4.5			2.5		2.5						5.5		3.5	7.0		
22-23	2.0		4.0	5.5				4.5						9.5	4.5	4.0	7.0			
23-24	3.5				2.5			3.0			9.5		4.0		3.5	7.0	10.5	8.5		
24-25	5.0				4.0	4.5					5.0			8.0	2.5	10.5				7.5
25-26		2.5			5.0		4.0										3.0	9.5	3.0	
26-27		4.0		2.0			2.5					9.0	6.5	7.0			6.5	2.0		
27-28		5.5	2.0	3.0				4.5		10.0					10.0		10.0	10.5		
28-29	2.5			4.5				3.0			5.5			5.5	9.0			3.0	9.5	
29-30	4.0		4.5	5.5		2.5			2.0				9.0		8.0		3.0			5.0
30-31	5.5				2.5		4.0		2.0					4.5	7.0	3.5	6.0	4.5		