

MAS Eclipsing Binary Ephemeris for November 2025

all times in U.T.

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	RT	TW	UU	WZ	XZ	AB	AB	AD	AD	BD	BX	DS	DS	QX	QX	RY	CX	CZ	EK	EK	XZ	KO	KP
	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AQR	AQR	AQR	AQR	AQR	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	10.8	11.3	11.3	8.8	10.7	10.3	10.8	10.8	9.3	8.3	9.7
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	11.4	11.6	11.6	10.1	12.0	11.2	11.3	11.3	11.2	9.3	10.5
DUR	3	11	8	4	3	3	3	4	4	3	4	4	4	3	3	5	3	3	3	3	7	5	4
TOT		2																					
							(S)		(S)				(S)		(S)					(S)			
0- 1	8.0				9.5	0.5	4.5		6.0	6.5	8.0	11.0		9.5	4.5					2.0			
1- 2				6.5		0.5	4.5		6.0	4.5		11.5		5.5	0.5						0.0		
2- 3	5.0		6.0			0.5	4.0		5.5	3.0	4.0	11.5		1.0	6.0		2.0				5.5		
3- 4				8.5	2.5	0.0	4.0		5.0	1.0	9.5	12.0		7.0	2.0		4.5	3.5	3.5				
4- 5	2.5			1.5	11.0	0.0	4.0		5.0					2.5	7.5			0.0			1.5		
5- 6	8.5		5.0	10.5		8.0	4.0		4.5	8.5	5.0		0.0	8.5	3.5								
6- 7				3.5		8.0	4.0		4.0	7.0	10.5		0.5	4.0	9.0					5.0			
7- 8	6.0				4.5	7.5	3.5		4.0	5.0	1.0		0.5	10.0	5.0		2.0				3.0		
8- 9			4.5	5.5		7.5	3.5		3.5	3.0	6.5		1.0	5.5	0.5		4.5			1.5			2.5
9-10	3.0					7.5	3.5		3.0	1.5	11.5		1.0	1.5	6.5	4.5		4.5	6.5				
10-11	9.5	2.0		7.5		7.5	3.5		3.0		2.5		1.5	7.0	2.0			1.0		5.0			
11-12	0.5		4.0	0.5	6.0	7.5	3.5		2.5	9.0	7.5		1.5	3.0	8.0	3.5			3.0		1.0		
12-13	6.5			9.5		7.0	3.0		2.0	7.0			2.0	8.5	3.5		2.0			1.0			
13-14				2.5		7.0	3.0		2.0	5.5	3.5		2.0	4.5	9.0	3.0	4.5			6.5			
14-15	4.0	5.0	3.5			7.0	3.0		1.5	3.5	9.0		2.5	0.0	5.0				4.5				
15-16	10.0			4.5	7.5	7.0	3.0		1.0	2.0			2.5	5.5	1.0	2.0		5.5		2.5			
16-17	1.0					7.0	3.0		1.0	0.0	5.0		3.0	1.5	6.5			2.0	0.5		1.5		
17-18	7.5		2.5	6.5		6.5	2.5		0.5	9.5	10.0		3.0	7.0	2.5	1.5	2.0		6.0				
18-19		8.0			1.0	6.5	2.5		0.0	7.5	0.5		3.5	3.0	8.0		5.0			4.0			
19-20	4.5			8.5	9.5	6.5	2.5			6.0	6.0		3.5	8.5	3.5	0.5			2.0				
20-21			2.0	1.5		6.5	2.5			4.0	11.5		4.0	4.5	9.5					0.0			
21-22	2.0			10.5		6.5	2.5			2.5	2.0		4.0	0.0	5.0			6.0		5.5			
22-23	8.0			3.5	2.5	6.0	2.0			0.5	7.0		4.5	6.0	1.0		2.0	3.0	3.5				
23-24			1.5		11.0	6.0	2.0	10.5		10.0			4.5	1.5	6.5		5.0			1.5			
24-25	5.5			5.5		6.0	2.0	10.0		8.0	3.0		5.0	7.5	2.5					7.0			
25-26						6.0	2.0	9.5		6.5	8.5		5.0	3.0	8.0				5.0				
26-27	2.5		0.5	7.5	4.5	5.5	2.0	9.5		4.5			5.5	9.0	4.0					3.0	0.5		
27-28	9.0			0.5		5.5	1.5	9.0		2.5	4.5		5.5	4.5	9.5		2.5		1.0				
28-29				9.5		5.5	1.5	8.5		1.0	9.5		6.0	0.5	5.5		5.0	4.0	6.5		4.0		
29-30	6.0			2.5		5.5	1.5	8.5		10.0	0.5		6.0	6.0	1.0			0.5		4.5			

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	OO	OO	V342	V343	V346	RX	SS	SS	RY	SX	TT	WW	WW	AP	AP	AR	AR	CL	EM	EP	HP	HP	IM
	AQL	AQL	AQL	AQL	AQL	ARI	ARI	ARI	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR
MAX	9.2	9.2	9.0	10.6	9.0	9.4	10.1	10.1	11.7	8.2	8.7	5.7	5.7	10.9	10.9	6.0	6.0	11.7	11.0	10.8	10.8	10.8	7.9
MIN	10.1	10.1	12.5	12.3	10.4	9.9	11.1	11.1	14.0	9.0	9.7	6.4	6.4	11.4	11.4	6.7	6.7	13.2	11.9	11.3	11.5	11.5	8.5
DUR	3	3	7	4	4	4	3	3	6	4	5	5	5	4	4	5	5	4	4	3	3	3	4
TOT			3																				
		(S)						(S)				(S)		(S)		(S)					(S)		
0- 1							6.5	1.5		2.0		8.0		7.5				2.0		9.5			12.5
1- 2							2.0	6.5		7.0	5.5			11.0	4.0	2.5		8.0				11.0	
2- 3							7.0	2.0		12.0					7.5				10.0	4.0	4.0		
3- 4							2.5	7.5	9.5					4.0	10.5		4.0			8.5			0.5
4- 5						0.0	8.0	3.0					3.0	7.0					5.5	12.5		7.0	6.5
5- 6						1.0	3.5	8.0			5.5	9.0		10.5	3.5	6.0		1.5		3.0			12.0
6- 7	0.0				1.0	1.5	8.5	3.5	3.0	3.0					7.0			7.5	1.5	7.0	10.5		
7- 8	0.5				3.5	2.5	4.0	9.0		8.0				3.5	10.5		7.5			11.5		3.5	
8- 9	1.0					3.0	9.0	4.5							7.0								0.0
9-10	1.0			1.0		4.0	4.5	9.5			5.5		4.0	10.0	3.5	9.0				6.0	6.5		6.0
10-11	1.5					4.5	0.0	5.0				10.5			6.5			1.0		10.5			12.0
11-12	1.5					5.0	5.5	0.5						3.0	10.0		10.5	7.0	12.5			10.0	
12-13	2.0					6.0	1.0	6.0		4.5				6.5				12.5		5.0	3.0		
13-14	2.5					6.5	6.0	1.5		9.5	5.5			10.0	3.0	12.5			8.0	9.5			
14-15	2.5					7.5	1.5	6.5	7.5				5.0		6.5							6.0	6.0
15-16	3.0					8.0	7.0	2.0				11.5			9.5				4.0	4.0			11.5
16-17	3.5					8.5	2.5	7.0						6.0				6.5		8.5	9.5		
17-18	3.5				2.5	9.5	7.5	2.5		0.5	5.5			9.5				12.0		12.5		2.5	
18-19	4.0					10.0	3.0	8.0		5.5				13.0	6.0					3.0		12.5	
19-20						11.0	8.5	3.5		10.5			6.5		9.5					7.5	5.5		5.5
20-21				2.5			4.0	8.5				12.5		6.0	12.5					11.5			11.5
21-22							9.0	4.0			5.5			9.0				6.0				9.0	
22-23							4.5	9.5	11.5					12.5	5.5			11.5	11.0	6.0	2.0		
23-24							0.0	5.0		2.0					9.0					10.5	12.0		
24-25							5.0	0.5		7.0			7.5	5.5	12.5				6.5			5.0	5.5
25-26		0.0					0.5	5.5	5.0	12.0	5.5			9.0						5.0			11.0
26-27		0.5	3.0				6.0	1.0						12.0	5.5			5.5	2.5	9.5	8.5		
27-28		1.0			1.5		1.5	6.5							8.5			11.0				1.5	
28-29		1.0			4.0		6.5	2.0				2.5		5.0	12.0					4.0		11.5	
29-30		1.5					2.0	7.0		3.0	5.5		9.0	8.5						8.5	4.5		5.0

	V459	V459	SS	SS	SS	TY	TY	TZ	TZ	UW	ZZ	AD	AD	44	44	Y	SV	AL	AN	CD	CD	R	RT
	AUR	AUR	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CAM	CAM	CAM	CAM	CAM	CAM	CMA	CMA
MAX	7.7	7.7	10.3	10.3	10.3	11.8	11.8	10.6	10.6	10.4	6.8	9.8	9.8	4.7	4.7	10.6	8.6	10.5	9.7	11.6	11.6	6.2	11.4
MIN	8.1	8.1	11.0	11.0	11.0	12.3	12.3	11.1	11.1	11.4	7.6	10.4	10.2	4.9	4.8	12.4	9.4	11.3	10.5	11.8	11.8	6.8	12.9
DUR	4	4	18	18	18	3	3	3	3	3	5	4	4	3	3	6	3	5	8	5	5	4	5
TOT			6	6	6																		
		(S)	(2)		(3)		(S)		(S)				(S)		(S)						(S)		
0- 1		11.5					1.0										13.0			5.0		12.5	8.0
1- 2		13.0			12.5									1.5			3.0					8.5	
2- 3															0.0		7.5	5.0		12.0	2.5		
3- 4	3.0							1.0		10.0					2.0		12.0	13.0		6.0			
4- 5	4.5													0.5		6.0	2.5			0.5	9.5		5.0
5- 6	6.0																6.5				4.0		12.0
6- 7	7.5								0.0						0.5		11.0	4.5	10.0	7.5			
7- 8	9.0					0.5	1.0										1.5	12.5		2.0	11.0		8.0
8- 9	10.5													1.0			6.0				5.5	11.5	
9-10	12.0			0.0													10.5			9.0			9.5
10-11						0.5		0.5									0.5	4.0		3.5	12.5		
11-12																	5.0	12.0			7.0		
12-13		4.0												1.0			9.5			10.5	1.0		
13-14		5.5										11.5								4.5			6.5
14-15		7.0						0.5					12.5		1.5	4.0	4.0	4.0			8.0		
15-16		8.5															8.5	11.5		11.5	2.5	7.0	
16-17		10.0	11.5							9.0				1.5						6.0		10.5	
17-18		11.5				0.0				9.0					0.0	11.0	3.5			0.5	9.5		
18-19		13.0						1.0		9.5					2.0		8.0	3.5			4.0		10.5
19-20										9.5				0.5			12.5	11.5		7.5			
20-21	3.0								0.5	9.5							2.5			1.5	11.0		
21-22	4.5								0.5	9.5					0.5		7.0				5.0		
22-23	6.0									1.0	10.0						11.5	3.0		8.5			8.0
23-24	7.5					0.5				10.0				1.0			1.5	11.0		3.0	12.0	6.0	
24-25	9.0									10.0						2.0	6.0				6.5	9.0	
25-26	10.5								0.5	10.0					1.0		10.5			10.0	1.0	12.5	
26-27	12.0									10.0							1.0	3.0		4.5			5.0
27-28										10.5				1.0		9.5	5.5	10.5	10.0		8.0		12.0
28-29										10.5							10.0			11.5	2.5		
29-30		4.0						1.0		10.5					1.5		0.0			6.0			

	SX	TU	TZ	TZ	UU	XZ	YY	AC	AK	AM	RW	TY	RZ	TV	TW	ZZ	AB	CW	CW	DZ	GT	IR	IS	
	CMA	CMA	CMA	CMA	CMA	CMI	CMI	CMI	CMI	CMI	CAP	CAP	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	
MAX	10.3	9.7	9.8	9.8	10.0	9.7	8.5	11.0	10.1	10.0	9.8	10.5	6.4	7.3	8.3	10.7	10.2	11.8	11.8	11.6	11.9	10.8	11.6	
MIN	11.4	10.7	10.5	10.5	12.5	10.2	9.1	11.5	11.5	10.7	10.8	11.6	7.8	8.4	8.9	11.1	12.2	12.5	12.5	12.3	12.8	12.1	12.6	
DUR	4	4	4	4	5	3	4	3	4	5	5	4	4	4	5	4	4	3	3	4	5	4	5	
TOT																								
				(S)																(S)				
0- 1						7.0							9.0	12.5	8.5			4.5	0.5	3.0		8.0	5.0	
1- 2	7.0	8.5				10.5			6.0								2.5	0.5	3.5	7.0			0.0	
2- 3		11.5							9.0					8.0			8.5	9.5	2.5	6.0	11.5	10.0	9.0	1.0
3- 4				12.5			7.0	10.5	12.0						5.0				1.5	5.0	6.5		1.0	
4- 5						8.0	9.0	7.5						3.5					0.0	4.0	1.5		10.0	
5- 6			9.5			12.0	11.5			6.0			3.5				3.0	7.0	3.0		10.0	2.0		
6- 7									8.0	6.0			8.0		1.5	2.0	12.0	6.0	2.0	10.0			11.0	
7- 8			8.5	8.0	5.5			11.0	6.5				13.0		12.0	8.0		4.5	1.0	4.5			3.0	
8- 9						9.5			7.0									3.5	7.5		9.5			
9-10	10.0	6.0			12.0			12.0	7.5	1.5	2.0						5.5	2.5	6.5			4.0	10.0	
10-11		9.0						9.0	7.0	8.0					8.5			1.5	5.5	8.0				
11-12		12.0				7.0		6.0	10.5	8.5			3.0	9.5		1.5		0.5	4.5	3.0	9.5	5.0	6.0	
12-13						10.5			9.0				7.5			7.5		7.0	3.5					
13-14									9.5				12.5	5.0	5.0		8.0	6.0	2.5	11.5			6.0	2.5
14-15	7.0							6.0	10.0									5.0	1.5	6.0	9.0			
15-16						8.0	8.0		9.5	10.5				0.5				4.0	0.0	1.0			7.0	
16-17						12.0	10.0	10.5	12.5	11.0					1.5	1.0	1.5	3.0	7.0					
17-18							12.5	7.5	11.5				2.5		12.0	6.5	10.5	2.0	6.0	9.5	9.0	8.0		
18-19		6.5				5.5		5.0	12.0				7.0			12.5		1.0	5.0	4.5			0.5	
19-20		9.5				9.0		8.5	12.0			1.0	12.0					7.5	3.5				9.0	
20-21		12.5			8.0			11.5	12.5					11.0	8.5		4.0	6.5	2.5		8.5	1.5	11.0	
21-22																0.0	13.0	5.5	1.5	7.5		10.0		
22-23	10.0				12.0	6.5		12.5						6.5		6.0		4.5	0.5	2.5		2.5	7.5	
23-24						10.5		9.0	7.5				2.0		5.0	12.0		3.5	7.0		8.5			
24-25			12.0					6.0	10.5				6.5	2.0			6.5	2.5	6.0	11.0		3.5	3.5	
25-26													11.0					1.5	5.0	6.0				
26-27				11.0		8.0	6.5				0.5				1.5			0.5	4.0	0.5	8.0	4.5		
27-28	7.0	7.0				11.5	8.5		6.5						12.0	5.5		7.0	3.0					
28-29		10.0	8.0				11.0		9.5							11.0	9.0	6.0	2.0	9.0		5.5		
29-30						5.5		11.0	13.0			0.0	1.5	12.5				5.0	1.0	4.0	8.0			

	IT	IV	MM	OR	OX	OX	PV	PV	V364	V364	V375	V380	U	SU	WW	WZ	WZ	XX	ZZ	CW	CW	DK	DL	
	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	
MAX	11.0	11.2	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	8.5	9.3	7.6	7.6	12.2	12.4	
MIN	11.8	12.5	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	9.6	10.0	8.0	8.0	14.2	13.2	
DUR	5	5	5	4	5	5	3	3	4	4	5	5	4	4	4	3	3	4	5	5	5	4	5	
TOT													2											
						(S)		(S)		(S)							(S)				(S)			
0- 1		4.5	3.5				10.5		0.5		8.0	4.0	13.0	5.5	0.5	2.5	7.5		4.5	11.0				
1- 2		4.0	7.0			0.5		8.5				12.5		3.5		8.5	3.5						4.5	
2- 3		4.0	11.0	2.5	8.0		4.5			8.0				1.0		4.5	10.0		8.0					
3- 4	7.5	4.0		8.5			12.5	2.5	2.5		7.0		0.5			1.0	6.0	6.5		4.5				
4- 5		4.0										5.5				7.0	2.0		11.5				11.0	
5- 6		4.0								10.0			12.5			3.0	8.0						11.5	
6- 7		4.0				0.0			4.5		5.5					9.0	4.0						11.0	2.0
7- 8	5.0	4.0	2.0	2.0	7.5		10.5									5.0	10.0				7.0	10.5		
8- 9		4.0	6.0	8.0			12.0		8.5			7.5	0.5	8.5		1.0	6.0						10.0	
9-10		4.0	10.0				4.5		6.5		4.5			6.0	5.5	7.0	2.0						10.0	8.0
10-11		4.0						2.5		1.0			12.0	3.5		3.0	8.0	7.0			0.5		9.5	
11-12	2.5	4.0										0.5		1.5		9.0	4.0			9.0			9.0	
12-13		4.0		2.0	7.0				8.5		3.0	9.0				5.0	0.0						9.0	
13-14		4.0		7.5		11.5				3.0			0.0			1.0	6.0		1.0				8.5	
14-15		4.0	1.0				10.5									7.5	2.5			2.5			8.0	5.5
15-16	0.0	3.5	5.0					8.5	10.5		1.5	2.5	12.0			3.5	8.5		4.5		11.5		8.0	
16-17		3.5	8.5				4.5			5.0		11.0				9.5	4.5						7.5	
17-18		3.5	12.5	1.5	6.5			2.5						8.5		5.5	0.5	7.0	8.0				7.0	
18-19		3.5		7.5		11.0					0.5			6.5	10.0	1.5	6.5				5.0		7.0	
19-20		3.5								7.5	12.0	4.0		4.0		7.5	2.5		11.0				6.5	3.0
20-21		3.5							2.0			12.5	11.5	1.5		3.5	8.5						6.0	
21-22		3.5					10.5									9.5	4.5						6.0	
22-23		3.5	3.5	1.0	6.0			8.5		9.5	10.5					5.5	0.5			7.0			5.5	9.0
23-24		3.5	7.5	7.0		10.5	4.5		4.0			6.0		0.5		1.5	6.5						5.0	
24-25		3.5	11.5	13.0				2.5								7.5	2.5	7.5					5.0	0.5
25-26		3.5								11.5	9.0	11.0				4.0	9.0			0.5			4.5	
26-27		3.5							6.0					9.0		10.0	5.0				9.5		4.0	
27-28		3.5		0.5	5.5					0.5		7.5		6.5		6.0	1.0						4.0	6.5
28-29		3.5		6.5		10.0	11.0				8.0			4.5		2.0	7.0		1.0				3.5	
29-30		3.0	2.5	12.5				8.5	8.0					2.0		8.0	3.0				3.0		3.0	

	DV	EG	EK	GK	TT	TW	TW	TX	SS	SS	U	RW	TW	RV	V	SW	WW	ZZ	AE	BR	CG	DK	KR
	CEP	CEP	CEP	CEP	CET	CET	CET	CET	COM	COM	CRB	CRB	CRB	CRV	CRT	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG
MAX	11.6	9.6	8.2	6.9	10.8	10.4	10.4	10.9	10.9	10.9	7.6	10.1	10.5	9.0	9.5	9.3	9.9	10.7	11.8	9.4	11.0	10.3	9.2
MIN	12.4	10.6	9.5	7.4	11.3	11.2	11.2	11.5	11.5	11.5	8.8	10.6	11.3	10.0	10.2	11.8	13.2	12.0	12.8	10.5	11.8	10.8	10.0
DUR	4	3	6	4	3	3	3	4	4	4	5	4	4	4	4	5	5	4	4	4	3	4	4
TOT								1								2							
							(S)			(S)													
0- 1		7.5			0.0	7.0	3.0	2.5	10.0				0.0								1.5	6.0	
1- 2		9.5		11.5		5.5	2.0								13.0			2.0		2.0		4.5	
2- 3		12.0		10.0		4.5		8.0				12.5										3.0	
3- 4	2.5	1.0		8.5		3.5	7.0	1.5					13.0								5.5	1.5	
4- 5	6.0	3.0		7.0	9.0	2.0	6.0									5.5	5.5					0.0	5.5
5- 6	10.0	5.0		5.5	8.5	1.0	4.5	7.0												2.0	3.0		1.5
6- 7		7.5	5.0	4.0	7.5	7.5	3.5	1.0		9.5					11.0			2.5					
7- 8		9.5		2.5	7.0	6.0	2.5									4.0			6.5		0.5	7.0	
8- 9		11.5		1.0	6.5	5.0	1.0	6.0											6.0		6.5	6.0	
9-10		0.5			5.5	3.5	7.5											6.0	5.0	1.5		4.5	
10-11	1.5	3.0			5.0	2.5	6.5					12.0	0.5						4.5		4.0	3.0	3.5
11-12	5.5	5.0			4.5	1.5	5.0	5.5										3.5	3.5			1.5	
12-13	9.5	7.0			3.5		4.0												3.0		1.5	0.0	
13-14		9.5			3.0	6.5	3.0							11.5				0.5	2.5	1.5			
14-15		11.5			2.5	5.5	1.5	4.5			12.0						4.5	7.0	1.5				
15-16		0.5	1.5	12.5	1.5	4.0													1.0		5.0	7.5	5.0
16-17		2.5		11.0	1.0	3.0	7.0	9.5										4.0	0.0			6.0	1.5
17-18	1.0	5.0		9.5	0.5	2.0	5.5	3.5				1.0								1.5	2.5	4.5	
18-19	5.0	7.0		8.0			4.5					12.0						1.5				3.0	
19-20	8.5	9.0	12.0	6.5		7.0	3.5	9.0	9.5												0.0	1.5	
20-21	12.5	11.0		5.0		6.0	2.0	2.5					0.5		12.0						6.5	0.5	
21-22		0.5		3.5		4.5	1.0											4.5		1.5			3.0
22-23		2.5		2.0	8.5	3.5	7.5	8.0													4.0		
23-24		4.5		0.5	8.0	2.5	6.0	1.5										2.0				7.5	
24-25	0.5	6.5			7.0	1.0	5.0										3.5				1.5	6.0	
25-26	4.0	9.0			6.5	7.5	4.0	7.0				1.0								1.5		4.5	
26-27	8.0	11.0			6.0	6.5	2.5	1.0				11.5		13.0				5.5				3.0	4.5
27-28	12.0	0.0			5.0	5.0	1.5								12.5						5.0	1.5	1.0
28-29		2.0	8.5		4.5	4.0		6.0										2.5				0.5	
29-30		4.5			4.0	3.0	6.5							12.5						1.5	2.5		

	KV	MY	MY	V346	V387	V388	V401	V456	V466	V466	V477	V477	V548	V704	W	TT	TY	YY	FZ	Z	RZ	TW	UZ
	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA
MAX	11.5	8.3	8.3	11.8	11.5	9.7	10.8	10.8	10.8	10.8	8.3	8.3	8.9	13.8	9.4	10.6	9.6	11.0	10.2	10.8	10.0	7.8	9.9
MIN	12.6	9.0	9.0	13.6	12.3	10.3	11.6	11.9	11.6	11.6	9.2	8.7	9.7	14.6	12.7	12.5	10.8	12.0	11.3	13.6	10.9	9.5	10.7
DUR	5	4	4	5	3	3	4	3	4	4	4	4	5	4	7	5	4	4	3	4	3	5	5
TOT															2							1	
			(S)						(S)		(S)												
0- 1			6.0		4.0														3.5	7.0			
1- 2										0.0			2.5	3.0									1.5
2- 3		6.0			2.5	1.5	1.5					3.0		6.5				1.0			2.0	8.5	
3- 4									2.0								4.5			0.5	4.5		
4- 5			6.0		0.5														1.5	9.0	7.0		7.5
5- 6				0.5	7.0					4.5				3.0								4.0	
6- 7							3.5	5.5			3.0			6.5				0.5			12.0		
7- 8					5.5	5.0		3.0											4.5	2.0	1.0		
8- 9						1.5		0.5												10.5	3.5		
9-10					3.5		1.0					4.0		3.0			3.5	4.5			6.0		
10-11									1.0				3.5	6.0									
11-12					1.5														2.5	4.0			
12-13	3.5									3.5										12.5	0.0		
13-14						5.5	3.0				4.0			2.5				3.5			2.5		
14-15					6.5	2.0		6.0	5.5					6.0							5.0		2.5
15-16								3.5									2.0		0.5	5.5			
16-17				0.0	4.5		1.0	1.0				5.0										9.5	
17-18									0.0					2.5		2.0		3.0			12.5		8.5
18-19					2.5									6.0					4.0		1.5		
19-20						5.5				2.5			4.0							7.5	4.0	4.5	
20-21					1.0	2.5	3.0				5.0				2.0						6.5		
21-22									4.5					2.5			1.0	2.0					
22-23														6.0					1.5	0.5	11.5	0.0	
23-24					5.5		1.0	4.0												9.0	0.5		
24-25			5.5				5.0	1.5													3.0		
25-26					4.0	6.0								2.5			1.0	5.0			5.5		
26-27						2.5				1.5				5.5							2.0		
27-28					2.0		3.0										0.0			11.0			3.5
28-29									3.5				4.5				4.5				13.0		
29-30	4.0				0.0									2.0				0.5	3.0		2.0		

MAS Eclipsing Binary Ephemeris for November 2025

all times in U.T.

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	UZ	AI	BH	S	TZ	YY	YY	RW	SX	TX	WW	AF	AL	RX	SZ	TT	TU	UX	CC	DI	HS	HS	LT
	DRA	DRA	DRA	EQU	ERI	ERI	ERI	GEM	GEM	GEM	GEM	GEM	GEM	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER
MAX	9.9	7.2	8.0	8.0	9.8	8.4	8.4	9.6	10.8	10.0	9.8	10.2	9.3	7.1	10.2	9.7	10.6	8.9	9.5	8.4	8.5	8.5	10.7
MIN	10.7	8.2	8.6	10.0	12.6	9.1	9.1	11.6	11.7	11.9	10.5	11.3	10.0	7.7	12.0	10.4	13.4	9.8	12.8	9.1	9.0	9.0	11.1
DUR	5	4	5	5	4	3	3	5	5	6	4	4	4	5	4	4	5	5	4	6	4	4	4
TOT					1			1									1						
	(S)						(S)															(S)	
0- 1						6.0			4.0		10.0											0.5	
1- 2			3.5			5.5			12.5			7.5			2.0								
2- 3		2.0			9.5	4.5							7.5										
3- 4						3.5	7.5																
4- 5		11.5				3.0	6.5		6.5		3.0										1.5		
5- 6							6.0				9.0					1.0							
6- 7							5.0					6.5	11.5				2.0						
7- 8							4.0					12.5											
8- 9		2.0				7.0	3.0		8.5	11.0													
9-10	5.0					6.0		11.0					6.5										
10-11		11.5	5.5		5.0	5.5					7.5				2.0								
11-12						4.5				6.5		6.0								1.0			
12-13	11.5		1.0			3.5	7.5	8.0	11.0			12.0		2.5									1.0
13-14				5.0		3.0	6.5						10.5									2.5	
14-15		1.5					6.0																
15-16					10.0		5.0	4.5	4.5		6.5						2.0						
16-17		11.5					4.0				12.0	5.5	5.5										
17-18						7.0	3.5					11.5											
18-19						6.5	2.5															0.5	
19-20						5.5			7.0						2.0								
20-21		1.5		2.0		4.5					5.5		9.5						0.0				
21-22			3.0			3.5	7.5				11.0	5.0											
22-23	6.0	11.0				3.0	6.5			11.0		10.5									2.0		
23-24					6.0		6.0		9.5				4.5										
24-25							5.0																
25-26	12.5						4.0			6.5	4.0												1.0
26-27		1.5				7.0	3.5		3.0		10.0	4.0				0.5							
27-28						6.5	2.5		12.0			10.0	8.5										
28-29		11.0			11.0	5.5								2.5	2.0								
29-30						4.5		12.5										0.5					

	V728	68	WY	WY	AV	DF	DF	DI	DK	V470	V470	SW	SW	VX	AW	CM	CO	CO	DG	GX	MZ	MZ	Y
	HER	HER	HYA	HYA	HYA	HYA	HYA	HYA	HYA	HYA	HYA	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LEO
MAX	10.9	4.7	10.3	10.3	10.2	11.0	11.0	11.0	10.5	13.0	13.0	9.2	9.2	10.9	10.6	8.5	10.5	10.5	10.8	10.1	11.2	11.2	9.5
MIN	11.5	5.4	11.1	11.1	10.6	11.5	11.5	12.0	11.0	13.5	13.5	10.0	10.0	12.3	11.3	9.5	11.0	11.0	12.0	10.4	12.1	12.1	12.7
DUR	3	5	3	3	4	4	4	4	4	3	3	3	3	4	5	4	5	5	4	6	4	4	5
TOT																							
				(S)			(S)				(S)		(S)					(S)			(S)		
0- 1			7.0						11.5	6.5		2.5	6.5	1.5	7.5			4.5	9.0				
1- 2				8.5	12.0			8.5			6.5	2.0	5.5	3.0		2.0							
2- 3	2.5		10.5							6.0		1.0	4.5	5.0							2.0		
3- 4	1.0			12.0								7.5	4.0	7.0				6.5					9.5
4- 5								10.5				6.5	3.0	8.5		7.0	1.5						
5- 6			7.0				8.0					6.0	2.0								5.5		
6- 7				9.0			7.5					5.0	1.0		0.5			8.5					
7- 8			10.5				7.5	12.0		9.5		4.0	0.0		4.0		3.5		0.0				
8- 9				12.5	8.0		7.0				9.0	3.0	7.0		7.5					2.5	9.5		11.0
9-10							7.0	8.5		9.0		2.0	6.0			2.5		10.5	5.0				
10-11	2.5		7.5		9.5		7.0		9.5		8.5	1.5	5.0				5.5						
11-12	1.0			9.0			6.5		10.5	8.5		0.5	4.0						10.0				
12-13			11.0		10.5		6.5	10.0	11.5		8.0	7.0	3.5			7.5							
13-14				13.0			6.0			7.5		6.5	2.5				7.5					2.0	12.0
14-15				6.0	11.5						7.5	5.5	1.5	0.5	0.5			1.5					
15-16			7.5					12.0		7.0		4.5	0.5	2.5	4.0								
16-17		0.0		9.5	13.0						7.0	3.5	7.5	4.0	7.5		9.5					6.0	
17-18			11.5					8.0		6.5		2.5	6.5	6.0		3.0		3.5					
18-19	3.0	1.5								6.5		1.5	5.5	8.0					1.0				
19-20	1.5			6.5						6.0		1.0	4.5									9.5	
20-21	0.0	2.5	8.0					10.0				7.5	4.0			8.0		5.5	6.0				6.0
21-22				10.0	7.5							6.5	3.0				0.5				1.0		
22-23			11.5						9.5			6.0	2.0		0.5								
23-24					9.0			11.5	10.5			5.0	1.0		4.0			7.5					
24-25				6.5					11.5	9.5		4.0	0.0		7.5		2.5				4.5		
25-26			8.5		10.0	8.0		8.0			9.0	3.0	7.0			3.5							7.5
26-27	3.0			10.0		7.5				9.0		2.0	6.0					9.5					
27-28	2.0		12.0		11.5	7.5					8.5	1.0	5.0				4.5			4.5	8.5		
28-29	0.5					7.5		9.5		8.5		0.5	4.0										
29-30				7.0	12.5	7.0					8.0	7.0	3.5	1.5					1.5				

	EF	EF	EQ	ER	ER	ET	FH	FL	FR	FT	FZ	FZ	GU	GU	U	U	TY	UX	AQ	AQ	AQ	BB	BB		
	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG		
MAX	12.6	12.6	10.3	9.5	9.5	11.2	10.5	10.5	11.0	9.1	10.7	10.7	12.6	12.6	9.7	9.7	10.5	10.7	10.3	10.3	10.3	10.6	10.6		
MIN	14.1	12.8	13.3	10.2	10.2	12.4	11.5	13.2	11.9	9.7	11.3	11.3	13.5	13.5	10.5	10.5	12.6	12.0	13.0	13.0	13.0	11.2	11.2		
DUR	6	6	4	3	3	5	5	3	4	4	3	3	4	4	3	3	6	5	12	12	12	3	3		
TOT																			4	4	4				
		(S)			(S)						(S)		(S)		(S)				(2)		(3)		(S)		
0- 1	3.5				7.0	5.0	11.5		7.0		4.0	9.0	3.5	9.0	2.0	6.5							3.5		
1- 2			12.0	8.5		4.0			4.5		9.0	4.0		7.5	5.0	0.5					2.0	1.0	5.5		
2- 3				4.5	9.5	3.0		8.0			4.0	9.0		6.5	8.0	3.5		7.0					3.0		
3- 4	9.0		6.0		6.0						9.0	4.0	10.5	5.0	2.0	6.5	2.0						5.0	1.0	
4- 5		4.5		7.5							4.0	9.0	9.0	3.5	5.0	0.5								3.0	
5- 6				4.0	9.0		10.5				9.0	4.0	7.5		8.0	3.5								0.5	5.0
6- 7					5.0				11.5		4.0	9.0	6.5		2.0	6.5	4.5							2.5	7.0
7- 8		10.5		6.5					9.0		9.0	4.0	5.0	10.5	5.0	0.5								4.5	0.5
8- 9	5.5		11.5		8.0				6.0		4.0	9.0	3.5	9.0	8.0	3.5								6.5	2.5
9-10				9.5	4.5				3.0		9.0	4.0		7.5	2.0	6.5	6.5								4.5
10-11			5.5	5.5							4.0	9.0		6.5	4.5	0.5		0.5						2.0	6.5
11-12	11.5				7.0		6.0				9.0	4.0	10.5	5.0	7.5	3.0								4.0	
12-13		7.0		8.5	3.5						4.0	9.0	9.0	3.5	1.5	6.0			0.5	2.5	4.5	6.0	1.5		4.0
13-14				5.0	10.0	12.5	9.5	5.0			9.0	4.0	7.5		4.5	0.0		2.5							4.0
14-15					6.5	11.5			10.5	5.0	4.0	9.0	6.5		7.5	3.0								1.5	6.0
15-16		12.5	11.0	7.5		10.5			7.5		9.0	4.0	5.0	10.5	1.5	6.0								3.5	
16-17	8.0			4.0	9.0	9.0		7.0	5.0		4.0	9.0	3.5	9.0	4.5	0.0		4.5						5.5	1.0
17-18		3.5	5.0		5.5	8.0				8.5	9.0	4.0		7.5	7.5	3.0									3.0
18-19				7.0		7.0					4.0	9.0		6.5	1.5	6.0								1.0	5.0
19-20					8.0	5.5		9.5			9.0	4.0	10.5	5.0	4.5	0.0		7.0						3.0	
20-21		9.0		9.5	4.5	4.5				12.0	4.0	9.0	9.0	3.5	7.5	3.0								5.0	0.5
21-22	4.5			6.0		3.5			12.0		9.0	4.0	8.0		1.5	6.0								7.0	2.5
22-23			11.0		7.5			12.0	9.0		4.0	9.0	6.5		4.5	0.0								0.5	4.5
23-24				8.5	3.5				6.5		9.0	4.0	5.0	10.5	7.5	3.0			2.5	4.5				2.5	6.5
24-25	10.5		4.5	5.0	10.0		3.5		3.5		4.0	9.0	3.5	9.0	1.5	6.0								4.5	0.0
25-26		6.0			6.5						9.0	4.0		8.0	4.5	0.0								6.5	2.0
26-27				8.0			7.5				4.0	9.0		6.5	7.5	3.0									4.0
27-28				4.0	9.5			4.0			9.0	4.0	10.5	5.0	1.5	6.0		0.0						2.0	6.0
28-29		11.5			5.5		11.0				4.0	9.0	9.0	3.5	4.5									4.0	
29-30	7.0		10.5	7.0					10.5		9.0	4.0	8.0		7.5	3.0								6.0	1.5

	BG	BX	DI	GP	KW	KW	Z	RT	RV	ST	XZ	IQ	IQ	IT	IU	KW	V432	BETA	AE	AE	Y	RV	UZ
	PEG	PEG	PEG	PEG	PEG	PEG	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PHE	PHE	PSC	PSC	PUP
MAX	10.5	10.9	9.6	10.2	12.1	12.1	9.9	10.6	10.3	9.7	10.6	7.7	7.7	9.9	10.5	10.5	11.0	2.2	7.5	7.5	9.0	11.3	9.7
MIN	11.8	11.5	10.8	11.0	12.4	12.4	12.4	12.0	12.7	13.2	12.7	8.3	7.9	10.5	11.6	11.5	11.7	3.5	8.2	8.2	12.0	12.0	10.6
DUR	4	3	2	4	3	3	6	4	8	5	4	5	5	4	5	4	3	8	2	2	7	3	4
TOT	1						2			1													
						(S)							(S)						(S)				
0- 1		3.5				1.5		8.5	2.5				1.5	5.0			5.5			3.0	5.0	8.5	
1- 2	4.0	6.5	6.5	8.0				5.0				0.5				13.0	0.0	6.5		5.5			
2- 3		2.5		7.5	2.5			1.0	2.0	12.0						13.0	11.0	3.5		3.0		0.5	8.5
3- 4	2.5	5.5		7.0										6.5	9.5	9.5	7.5		5.0			3.0	
4- 5		1.5	3.0	6.5		3.5			1.5		2.0	12.0			6.0	8.0	1.5	3.0	7.5	3.0		5.5	
5- 6	1.5	4.5		6.0				10.5		3.5	5.5		7.0		2.5	6.5	5.5			5.0		8.0	12.5
6- 7		1.0	6.0	5.5	4.5			7.0	1.0		9.5	6.0		8.0		4.5	9.0		2.5	7.0		10.5	7.5
7- 8	0.5	3.5		4.5	0.0			3.5			13.0		1.0			3.0	3.5		5.0				
8- 9		6.5		4.0		5.5			0.0						13.0	1.5	7.0		7.0	2.5		2.5	
9-10		3.0	2.5	3.5		1.0								9.5	9.5		1.0			4.5		5.0	12.0
10-11		5.5		3.0	6.5					10.5			12.5		6.0		5.0		2.5	6.5		7.5	7.0
11-12		2.0	5.5	2.5	2.0			9.5				11.5			2.5		8.5		4.5			10.5	
12-13		5.0		2.0				6.0			3.5		6.5	11.5			3.0		6.5	2.0			
13-14		1.0		1.0		3.0		2.0		2.0	7.0	5.5					6.5		4.5			2.0	11.5
14-15		4.0	2.0	0.5							11.0		0.5	0.0	13.0		1.0		2.0	6.5		5.0	6.5
15-16		0.0		0.0	4.0									13.0	9.5	12.0	4.5		4.0		6.5	7.5	
16-17		3.0	5.0					11.5							6.0	10.5	8.0		6.5	2.0		10.0	
17-18		6.0				5.0		8.0					12.0	2.0	2.5	9.0	2.5			4.0			11.0
18-19		2.0				0.5		4.5		9.0		11.0				7.0	6.0	11.0	1.5	6.0		2.0	
19-20		5.0	1.5		6.0			1.0			1.5		6.0			5.5	0.5		4.0		1.0	4.5	
20-21		1.5			1.5						5.0	5.0		3.5	13.0	4.0	4.0		6.0	1.5		7.0	
21-22		4.0	5.0							0.5	8.5				9.5	2.0	7.5	8.0		3.5		9.5	10.0
22-23		0.5				2.5		10.5			12.0				6.0	0.5	2.0		1.5	5.5			
23-24		3.5	8.0					7.0						5.0	2.5		5.5		3.5			1.5	
24-25		6.0	1.0		3.5		0.0	3.0					11.5				0.0	5.0	5.5			4.0	
25-26		2.5										10.5					3.5			3.5		6.5	9.5
26-27		5.5	4.5			4.5				8.0			5.5	6.5	13.0		7.0		5.5			9.5	
27-28		1.5				0.0	1.5	12.5			3.0	4.0			9.5		1.5	1.5	3.0				
28-29		4.5	7.5		5.5			9.0			6.5				6.0		5.0		5.5			1.0	
29-30		0.5	0.5		1.0			5.5			10.0			8.0	2.5	11.5	9.0			3.0		4.0	9.0

	UZ	AV	U	V505	1968	RS	AO	Y	RW	RZ	TY	WY	AC	AM	AQ	CT	EQ	EQ	HU	V	X	RS	RV	
	PUP	PUP	SGE	SGR	SGR	SER	SER	SEX	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TRI	TRI	TRI	
MAX	9.7	10.2	6.4	6.4	12.3	10.8	10.6	9.8	8.0	10.5	11.5	11.5	10.5	10.4	12.0	10.2	10.3	10.3	6.0	10.9	8.9	10.3	11.4	
MIN	10.3	10.8	9.1	7.6	13.3	11.5	12.1	10.2	12.5	11.2	12.0	11.7	12.3	12.3	12.9	11.5	11.0	11.0	6.8	11.9	12.0	11.0	12.5	
DUR	4	3	6	5	4	4	4	3	4	3	2	4	6	5	5	5	3	3	6	4	4	4	4	
TOT			2						1															
	(S)																		(S)					
0- 1	8.5									4.0					3.0	6.5	1.5	5.5	9.5	2.5			5.5	
1- 2									4.0	9.5	2.0	6.0			8.0		2.0	6.0		6.5				
2- 3				2.5						5.5	4.0					6.5	2.5	6.5	11.0	10.5			11.5	
3- 4	13.0	7.5								1.5	5.5	8.0					3.0	7.0		0.5			5.5	
4- 5	8.0							9.5		7.5	7.5					6.5	3.5	8.0	12.0	4.5		11.0		
5- 6										3.5	9.5	9.5						4.5			9.0			12.0
6- 7		9.0								9.5	11.0	2.5			5.0	6.5	5.0	1.0				8.5	6.0	
7- 8	12.5							8.0		5.5		11.5			10.0		5.5	1.5		3.0			0.0	
8- 9	7.5			0.5						1.5		4.0	2.0			6.5	6.0	2.0		7.0	11.0	6.5		
9-10		10.0							11.5	7.5							6.5	2.5			10.5		6.5	
10-11			3.0							3.0		6.0	3.0			6.5	7.0	3.0		1.0	10.0	4.5	0.5	
11-12	11.5									9.0					1.5		8.0	3.5		5.0	9.0			
12-13	6.5							9.0	6.0	5.0		8.0	4.0		6.5	6.5		4.0		9.5	8.5	2.0	7.0	
13-14		8.0													12.0		0.5	5.0			8.0		1.0	
14-15										7.0		10.0	5.5			6.5	1.5	5.5		3.5	7.0			
15-16	11.0			2.5				7.5	0.5	3.0	2.0	2.5		3.5			2.0	6.0		7.5	6.5		7.0	
16-17	6.0	9.0								9.0	4.0	11.5	6.5			6.5	2.5	6.5			5.5		1.0	
17-18						0.5	10.0			5.0	6.0	4.5		4.5	3.5		3.0	7.0		1.5	5.0			
18-19											7.5		7.5		8.5	6.5	3.5	7.5		6.0	4.5		7.5	
19-20	10.5	10.0			0.0					6.5	9.5	6.0		5.5			4.0			10.0	3.5		1.5	
20-21							13.0	8.5		2.5	11.5		8.5			6.5	5.0	0.5				3.0		
21-22				0.5						8.5		8.0		6.5			5.5	1.0		4.0	2.5		8.0	
22-23										4.5			9.5			6.5	6.0	2.0		8.0	1.5		2.0	
23-24	10.0	8.0							8.0			10.0		7.5	5.5		6.5	2.5			1.0			
24-25										6.5		2.5	10.5		10.5	6.5	7.0	3.0		2.0	0.5		8.0	
25-26								9.5		2.5		12.0		8.5			7.5	3.5	1.5	6.5		11.0	2.5	
26-27		9.0							2.5	8.5		4.5	11.5			6.5		4.0		10.5				
27-28	9.0		0.5							4.0				9.5			0.5	4.5	3.0	0.5		8.5	8.5	
28-29				3.0	0.5	1.5		8.0				6.5	12.5		2.0	6.5	1.0	5.5		4.5			2.5	
29-30		10.0								6.0	2.0			10.5	7.0		2.0	6.0	4.5	8.5		6.5		

	W	W	TX	TY	TY	UX	UX	VV	XZ	ZZ	AF	W	RU	AG	AH	AH	AK	AX	BH	Z	AW	AX	AY
	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMI	UMI	VIR	VIR	VIR	VIR	VIR	VIR	VUL	VUL	VUL	VUL
MAX	9.1	9.1	6.8	11.7	11.7	12.7	12.7	10.1	10.1	9.8	10.8	8.6	10.7	8.8	9.7	9.7	10.0	10.0	9.9	7.4	10.8	11.0	11.0
MIN	9.9	9.9	8.9	12.4	12.4	13.8	13.8	11.0	11.7	11.2	11.6	9.7	11.4	9.4	10.2	10.2	11.5	10.8	11.3	9.2	11.9	12.5	12.9
DUR	3	3	6	3	3	1	1	3	3	4	8	7	4	4	4	4	4	4	4	6	5	5	4
TOT																							
		(S)			(S)												(S)						
0- 1	7.0			0.0		8.5		9.5				1.0	7.0									1.5	
1- 2	7.0				6.0		8.5				5.0		8.5	11.0					12.5				
2- 3	7.0				7.5	8.0		11.0	6.5				9.5										
3- 4	7.0							3.5	11.5	0.5		11.0	10.5	9.5			13.0	13.0					0.5
4- 5	7.0			6.0				12.5					12.0									2.5	
5- 6	7.0			7.5				5.0		8.0		3.5	0.5		9.5								
6- 7	7.0										11.5		1.5										
7- 8	7.0				6.5			6.5					3.0										
8- 9	7.0				8.0		1.0		9.0				4.0	13.0				11.0				3.5	
9-10	7.0					0.5		8.0					5.5										
10-11	7.0			7.0			9.5					6.0	6.5	11.0					12.5				
11-12	7.0			8.5		9.0		9.5					7.5										
12-13	7.0				5.5	8.5				5.5			9.0	9.5								4.0	
13-14	7.0				7.0	8.0		11.0	6.5				10.0							4.0			
14-15	7.0				0.0	8.0	3.5	11.5	12.5				11.0										
15-16	7.0			6.0				12.5				8.5	12.5			9.5		11.5					2.0
16-17	7.0	3.0		7.5				5.0					1.0		9.5							5.0	
17-18	7.0	3.0	6.5									1.5	2.0	13.0								0.0	
18-19	7.0	3.0			6.5			6.5					3.5							2.0			
19-20	7.5	3.5			8.0				9.0	3.0			4.5	11.0					12.0				
20-21	7.5	3.5	8.0			0.5		8.0				11.0	6.0									5.5	
21-22	7.5	3.5		6.5			0.5			10.0			7.0	9.5								1.0	
22-23	7.5	3.5		8.0		9.5		9.5			6.0	4.0	8.0					12.0					
23-24	7.5	3.5	9.5				9.0						9.5										
24-25	7.5	3.5			7.0	8.5		11.0	6.5				10.5										
25-26	7.5	3.5			0.0	8.0	3.5	11.5					12.0									1.5	
26-27	7.5	3.5	11.0	6.0		7.5		12.5		0.5			0.5	12.5		9.5							
27-28	7.5	3.5		7.5				5.0			12.0	6.5	1.5									0.0	3.5
28-29	7.5	3.5								7.5			3.0	11.0									
29-30	7.5	3.5	12.5		6.0			6.5					4.0					12.5			2.5	0.5	

all times in U.T.

	BE	BO	BS	BT	BU	CD	V495	V495
	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL
MAX	9.9	10.4	11.0	11.8	10.6	11.5	9.6	9.6
MIN	11.4	13.3	11.5	12.5	11.4	12.6	10.0	10.0
DUR	5	4	3	3	3	4	4	4
TOT								
								(S)
0- 1			0.5			1.5		
1- 2								
2- 3						2.5		
3- 4					3.0			2.0
4- 5						4.0		
5- 6				2.5				
6- 7						5.0		
7- 8			4.0		2.5		3.0	
8- 9			3.0		6.0			
9-10	2.0		1.5					
10-11			0.5					
11-12					2.0			
12-13	4.5				5.5		1.0	
13-14				2.5		1.0		
14-15				5.5				
15-16					1.5	2.5		
16-17					5.0			4.0
17-18			4.0			3.5		
18-19			3.0					
19-20			1.5		1.5	5.0		
20-21			0.5		4.5			
21-22		4.0		2.0				1.5
22-23				5.5				
23-24	1.0	2.5			1.0			
24-25					4.0			
25-26		1.5					2.5	
26-27	3.5					1.0		
27-28			4.0		0.5			
28-29			2.5		4.0	2.0		
29-30			1.5	2.0				