

MAS Eclipsing Binary Ephemeris for March 2016

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	RT	TW	UU	WZ	XZ	AB	AB	AD	AD	BD	BX	DS	QX	QX	XZ	KO	KP	OO	OO	V342	V343	V346	RX
	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AQL	AQL	AQL	AQL	AQL	AQL	AQL	AQL	ARI
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	9.3	8.3	9.7	9.2	9.2	9.0	10.6	9.0	9.4
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	11.2	9.3	10.5	10.1	10.1	12.5	12.3	10.4	9.9
DUR	3	11	8	4	3	3	3	4	4	3	4	4	3	3	7	5	4	3	3	7	4	4	4
TOT		2																			3		
							(S)		(S)				(S)		(S)					(S)			
0- 1	6.5						1.0			7.5			4.5	1.5						8.0			
1- 2	12.5						1.0		4.5		1.5	5.0		2.0						8.5			
2- 3	3.5			2.0	1.5		1.0		4.5	4.0			5.0	3.0		8.5				9.0			
3- 4	9.5						0.5		4.0	2.5			5.5							9.0			
4- 5	1.0			4.0			0.5		3.5	0.5	2.5		4.5							9.5	8.0		
5- 6	7.0					12.5	0.5		3.5	10.0				5.0					10.0			10.0	
6- 7					3.0	12.5			3.0	8.0				1.0						10.0			
7- 8	4.5					12.5			2.5		3.5		1.5							10.5			
8- 9	10.5					12.0			2.5	4.5				2.5						11.0			
9-10	1.5			1.0		12.0			2.0	2.5				3.0		7.5				11.0			
10-11	8.0				5.0	12.0			1.5	1.0	5.0				4.0					11.5		11.5	
11-12				3.0		12.0			1.5	10.5				4.5						12.0			
12-13	5.0			12.5		11.5			1.0	8.5	1.0									12.0		8.0	
13-14	11.0	0.5	3.5			11.5			0.5					1.0	9.5					12.5			
14-15	2.5					11.5		12.0						2.0						12.5			
15-16	8.5					11.5		12.0		3.0	2.0			2.5								9.0	
16-17			2.5			11.5		11.5		1.5				3.5								11.5	
17-18	6.0					11.0		11.0		10.5				4.0									
18-19	12.0			2.0		11.0		11.0		9.0	3.5			4.5									
19-20	3.0		2.0			11.0		10.5		7.0				0.5		10.0	8.5						
20-21	9.5			4.0		11.0		10.0						1.0			8.5						
21-22					1.5	11.0		10.0		3.5	4.5			2.0			9.0						
22-23	6.5		1.5			10.5		9.5		2.0				2.5		9.5	9.5						
23-24						10.5		9.0		11.0	0.5			3.5			9.5				9.5		
24-25	4.0					10.5		9.0		9.5	5.5			4.0			10.0						
25-26	10.0		0.5	1.0	3.5	2.5		8.5		7.5				5.0			10.5						
26-27	1.0		12.5		12.0	2.5		8.0			1.5			0.5			10.5					10.5	0.5
27-28	7.5			3.0		2.0				4.0				1.5			11.0						1.0
28-29				12.5		2.0				2.0	12.0			2.0			11.0						2.0
29-30	4.5	12.5			5.0	2.0				0.5	3.0			3.0		12.0	11.5						2.5
30-31	11.0					2.0				10.0				3.5	12.5		12.0						3.5

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	SS	SS	RY	SX	TT	WW	WW	AP	AP	AR	AR	CL	EM	EP	HP	HP	IM	SS	SS	SS	TU	TU	TY
	ARI	ARI	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	BOO	BOO	BOO	BOO	BOO	BOO
MAX	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	10.3	10.3	10.3	11.7	11.7	11.8
MIN	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	11.0	11.0	11.0	12.7	12.7	12.3
DUR	3	3	6	4	5	5	5	4	4	5	5	4	4	3	3	3	4	18	18	18	3	3	3
TOT																		6	6	6			
		(S)					(S)		(S)		(S)				(S)			(2)		(3)		(S)	
0- 1		2.0			4.0			8.5	1.5		0.5						5.0				5.5	1.5	3.5
1- 2	2.5			1.5			2.0		5.0					2.5	7.5						5.0	9.0	2.5
2- 3		2.5		6.5		8.5		1.5	8.0	2.0				7.0		0.5					4.0	8.0	9.0
3- 4	3.0		7.5					4.5				1.5									3.5	7.5	8.0
4- 5		3.5			4.0			8.0	1.0		3.5	7.0		1.5	3.5				3.5	6.5	3.0	7.0	6.5
5- 6	3.5								4.5				6.0	6.0			5.0				2.5	6.0	5.5
6- 7		4.0	1.0				3.5	1.0	8.0	5.5						7.0					1.5	5.5	4.5
7- 8				2.5				4.5					2.0	0.5							9.0	5.0	3.0
8- 9				7.5	4.0			7.5	1.0		7.0	1.0		5.0							8.0	4.0	2.0
9-10									4.0			6.5					3.0				7.5	3.5	8.5
10-11	0.5							0.5	7.5								4.5				7.0	3.0	7.5
11-12		1.0					4.5	4.0						4.0	6.5						6.0	2.5	6.0
12-13	1.5				4.0			7.5	0.5					8.0							5.5	1.5	5.0
13-14		1.5		4.0					4.0												5.0	8.5	4.0
14-15	2.0		5.0	9.0					7.0			6.0		2.5	2.5						4.0	8.0	2.5
15-16		2.5						3.5	10.5					7.0			4.5				3.5	7.5	9.0
16-17	3.0				4.0		5.5	7.0					4.5			6.0					3.0	7.0	8.0
17-18		3.0						10.5	3.5					1.5							2.0	6.0	6.5
18-19	3.5								7.0					6.0							1.5	5.5	5.5
19-20		4.0		5.0				3.5	10.0		5.5					2.0		5.5	8.5	11.5	8.5	5.0	4.5
20-21	4.0				4.0	0.5		6.5						0.5			4.0				8.0	4.0	3.0
21-22							7.0	10.0	3.0					5.0	5.5						7.5	3.5	2.0
22-23									6.5												7.0	3.0	8.5
23-24								3.0	10.0												6.0	2.0	7.5
24-25		1.0		1.0	4.0			6.5			5.0			4.0	2.0						5.5	1.5	6.0
25-26	1.0		2.5	6.5		2.0		9.5	3.0				7.0	8.0			4.0				5.0	8.5	5.0
26-27		1.5					8.0		6.0							5.0					4.0	8.0	4.0
27-28	2.0							2.5	9.5				3.0	2.5						2.0	3.5	7.5	2.5
28-29		2.0			4.0			6.0						7.0	8.0						3.0	6.5	9.0
29-30	2.5							9.5	2.5			4.5				1.5					2.0	6.0	8.0
30-31		3.0		2.5		3.0			6.0					1.5			3.5				1.5	5.5	7.0

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	TY	TZ	TZ	VW	VW	ZZ	AD	AD	BW	BW	Y	SV	AL	AN	CD	CD	R	RT	SX	TU	TZ	TZ	UU
	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CAM	CAM	CAM	CAM	CAM	CAM	CMA	CMA	CMA	CMA	CMA	CMA	CMA
MAX	11.8	10.6	10.6	10.5	10.5	6.8	9.8	9.8	7.1	7.1	10.6	8.6	10.5	9.7	11.6	11.6	6.2	11.4	10.3	9.7	9.8	9.8	10.0
MIN	12.3	11.1	11.1	11.0	11.0	7.6	10.4	10.2	7.5	7.5	12.4	9.4	11.3	10.2	11.8	11.8	6.8	12.9	11.4	10.7	10.5	10.5	12.5
DUR	3	3	3	3	3	5	4	4	5	5	6	3	5	8	5	5	4	5	4	4	4	4	5
TOT	(S)		(S)		(S)		(S)		(S)		(S)		(S)		(S)		(S)		(S)		(S)		(S)
0- 1	7.5	4.0	7.5	4.0	8.5							5.0			4.0								
1- 2	6.5	8.5	4.5	5.0	9.0	6.0						9.5				7.5				2.0	6.0		
2- 3	5.0	5.5	2.0	5.5	9.5						10.5		3.5		11.5	2.0			3.5	5.0			
3- 4	4.0	3.0	6.5	6.0	10.0							4.0	11.5		5.5		3.0						5.0
4- 5	3.0	7.5	4.0	7.0	2.5							8.5				9.0	6.0						
5- 6	1.5	5.0	1.5	7.5	3.5				2.5							3.5							
6- 7	8.0	2.5	6.0	8.0	4.0	6.0						11.5		3.0	3.5	0.5	7.0						
7- 8	7.0	7.0	3.5	8.5	4.5							7.5	11.0		1.5	10.5			0.5				0.5
8- 9	6.0	4.5	8.0	9.5	5.5				10.5			12.0				5.0		3.5					
9-10	4.5	1.5	5.5	10.0	6.0						1.0	2.5				8.5							
10-11	3.5	6.5	2.5	2.5	6.5							7.0	3.0		2.5	12.0			6.5	2.5			2.0
11-12	2.5	3.5	7.0	3.0	7.0	6.0						11.5	11.0			6.0	1.5			5.5			
12-13	8.5	8.0	4.5	3.5	8.0						8.5	1.5			9.5	0.5	5.0	0.5					6.0
13-14	7.5	5.5	2.0	4.5	8.5							6.0			4.0								
14-15	6.5	3.0	6.5	5.0	9.0							10.5	2.5			7.5							
15-16	5.0	7.5	4.0	5.5	10.0				2.5			0.5	10.5		11.0	2.0			3.5				
16-17	4.0	5.0	1.5	6.5	10.5	5.5	2.5					11.5			5.5								
17-18	3.0	2.5	6.0	7.0	3.0			3.0				9.5				9.0		5.0					
18-19	2.0	7.0	3.5	7.5	3.5		4.0		10.5				2.0		12.5	3.0							
19-20	8.0	4.0	8.0	8.5	4.0			5.0				4.5	10.0		6.5		0.5				3.0		
20-21	7.0	1.5	5.0	9.0	5.0		5.5					9.0			1.0	10.0	4.0		0.5	6.0			
21-22	6.0	6.0	2.5	9.5	5.5	5.5		6.5							4.5	7.0	2.0						
22-23	4.5	3.5	7.0	10.0	6.0		7.5			6.5	3.5	2.0			8.0								
23-24	3.5	8.0	4.5	2.5	6.5			8.0		3.5		8.0	10.0		2.5	11.5			6.5				2.0
24-25	2.5	5.5	2.0	3.5	7.5		9.0					12.5				6.0					4.5		
25-26	9.0	3.0	6.5	4.0	8.0			10.0	2.5			2.5			9.5								6.0
26-27	7.5	7.5	4.0	4.5	8.5	5.0	10.5			11.5		7.0	1.5		4.0							3.5	
27-28	6.5	5.0	8.5	5.0	9.5			11.5				11.5	9.5	0.5		7.5							
28-29	5.5	2.0	5.5	6.0	10.0		12.5		10.5			2.0			11.0	1.5	2.5		3.5	3.5			
29-30	4.0	6.5	3.0	6.5	10.5							6.5			5.0		6.0						
30-31	3.0	4.0	7.5	7.0	3.0							11.0	1.0			8.5		3.5					

	XZ	YY	AC	AK	AM	AM	TY	RZ	TV	TW	ZZ	AB	CW	CW	DZ	GT	IR	IS	IT	IV	MM	OR	OX
	CMI	CMI	CMI	CMI	CMI	CMI	CAP	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
MAX	9.7	8.5	11.0	10.1	10.0	10.0	10.5	6.4	7.3	8.3	10.7	10.2	11.8	11.8	11.6	11.9	10.8	11.6	11.0	11.2	11.3	11.4	10.1
MIN	10.2	9.1	11.5	11.5	10.7	10.4	11.6	7.8	8.4	8.9	11.1	12.2	12.5	12.5	12.3	12.8	12.1	12.6	11.8	12.5	11.9	12.4	10.9
DUR	3	4	3	4	5	6	4	4	4	5	4	4	3	3	4	5	4	5	5	5	5	4	5
TOT																							

	(S)											(S)										
0- 1				8.5		2.5		10.0		2.0	6.5		5.0	1.0	4.0	11.0	5.5	4.0		11.0		1.0
1- 2						3.0				12.0	12.5		4.0	7.5				1.0	11.0	2.5	7.0	
2- 3	2.5			1.0		3.5						8.5	3.0	6.5	12.5		6.5			11.0	6.0	
3- 4	6.5		6.0	4.5		4.0		10.0					2.0	5.5	7.5	11.0				11.0	10.0	
4- 5			3.0	7.5		4.5				8.5			0.5	4.5	2.0		7.5			11.0		9.0
5- 6						5.0		5.0	5.5		6.0	2.0	7.5	3.5						11.0		0.5
6- 7	4.0					5.5		9.5			12.0	11.0	6.5	2.5	10.5	10.5	8.5			11.0		6.5
7- 8	8.0	2.0		3.5		6.0			1.0	5.0			5.0	1.5	5.5		1.0			10.5		12.5
8- 9		4.0		6.5		6.5							4.0	8.0			9.5			10.5	1.0	
9-10	1.5	6.5	8.0			7.0	11.5					4.5	3.0	7.0		10.5	2.0	9.0		10.5	5.0	8.5
10-11	5.0	8.5	4.5			7.0				2.0	5.5		2.0	6.0	9.0		10.5			10.5	9.0	
11-12			1.5	2.5		7.5		4.0		12.0	11.0		1.0	5.0	3.5		3.0	5.5		10.5		6.0
12-13				5.5		8.0		9.0	11.5				7.5	4.0		10.0	11.5			10.5		12.0
13-14	2.5					8.5						7.0	6.5	3.0	12.0		4.0	1.5		10.5		
14-15	6.5								7.0	8.5			5.5	2.0	7.0					10.5		8.0
15-16				1.5							4.5		4.5	0.5	2.0	10.0	5.0			10.5		
16-17			6.5	4.5					2.5		10.5	0.5	3.5	7.5						10.5	4.0	5.5
17-18	4.0		3.0	8.0				3.5		5.0		9.5	2.5	6.5	10.5		6.0			10.5	7.5	11.5
18-19	7.5							8.5					1.5	5.0	5.0	9.5				10.5	11.5	
19-20		2.5		0.5			10.5						8.0	4.0			7.0			10.5		7.5
20-21	1.5	5.0		3.5						1.5	4.0	3.0	7.0	3.0				10.5		10.5		
21-22	5.0	7.0		7.0						12.0	10.0	12.0	6.0	2.0	8.5	9.5	8.0			10.0		5.0
22-23	9.0		8.0		0.5								5.0	1.0	3.5			6.5		10.0		11.0
23-24			5.0		1.0			3.0	8.5				4.0	7.5			9.0			10.0	2.5	
24-25	2.5		1.5	3.0	1.5			8.0		8.5		5.5	3.0	6.5	12.0	9.0	1.5	3.0	10.5	10.0	6.5	7.0
25-26	6.5			6.0	2.0			12.5	4.0		3.5		2.0	5.5	6.5		10.0			10.0	10.0	
26-27					2.5						9.5		0.5	4.5	1.5		2.5			10.0		4.5
27-28					3.0					5.0			7.5	3.5		9.0	11.0			10.0		10.5
28-29	4.0			2.0	3.5							8.0	6.5	2.5	10.0		3.5		8.0	10.0		
29-30	7.5		6.5	5.0	3.5			2.5					5.5	1.5	5.0		12.0			10.0		6.5
30-31		1.0	3.5	8.0	4.0			7.0		1.5	3.0		4.0	8.0		8.5	4.5			10.0	1.5	

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	OX	PV	V364	V364	V375	V380	U	SU	WW	WZ	WZ	XX	ZZ	DK	DL	DV	EG	EK	GK	TT	TW	TW	TX
	CAS	CAS	CAS	CAS	CAS	CAS	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CET	CET	CET	CET
MAX	10.1	10.0	11.2	11.2	10.1	10.4	6.7	8.8	11.1	11.7	11.7	8.5	9.3	12.2	12.4	11.6	9.6	8.2	6.9	10.8	10.4	10.4	10.9
MIN	10.9	10.6	11.7	11.7	10.9	11.1	9.8	9.8	11.9	11.3	11.1	9.6	10.0	14.2	13.2	12.4	10.6	9.5	7.4	11.3	11.2	11.2	11.5
DUR	5	3	4	4	5	5	4	4	4	3	3	4	5	4	5	4	3	6	4	3	3	3	4
TOT							2																1
	(S)			(S)							(S)												(S)
0- 1					12.0					10.0	5.0		9.0	1.0		9.0	11.0	10.0	8.5		0.5		
1- 2			11.5					11.0		6.0	1.0	4.5		1.0					7.0	1.5			
2- 3				6.0			7.5	8.5		2.0	7.0		12.0				2.0		5.5	1.0			
3- 4	3.5	12.0	0.5		11.0	6.5		6.0	4.0	8.0	3.0				4.5		4.5		4.0			1.0	
4- 5								3.5		4.5	9.5						6.5		2.5				
5- 6		6.0						1.5		10.5	5.5						8.5		1.0				
6- 7			2.5		9.5					6.5	1.5				10.5	4.5	10.5				1.0		
7- 8						8.0	7.0			2.5	7.5					8.0							
8- 9	3.0			10.0						8.5	3.5	4.5			2.0	12.0	2.0						
9-10			4.5		8.5					4.5	9.5						4.0	6.5				1.5	
10-11		12.0				1.5		11.0		0.5	5.5						6.0						
11-12				12.0		10.0		8.5		6.5	1.5		2.0		8.0		8.5						
12-13		6.0			7.0		6.5	6.5	9.0	2.5	7.5						10.5						
13-14	2.5			1.0				4.0		8.5	3.5		5.0			3.5		11.0					2.5
14-15						3.0		1.5		4.5	9.5					7.5	1.5	9.5					
15-16					5.5	11.5				0.5	6.0	5.0	8.5			11.5	4.0	8.0					
16-17				3.5						7.0	2.0				5.5		6.0	6.5			0.5	2.0	
17-18		12.0					6.5			3.0	8.0		12.0				8.0	5.0					
18-19	2.0		11.0		4.5	5.0				9.0	4.0						10.0	3.0	3.5	2.0			
19-20		6.0		5.5				11.5		5.0	10.0				12.0		12.5		2.0	1.0	1.0		1.0
20-21								9.0		1.0	6.0					3.0	1.5	0.5	0.5				
21-22					3.0			6.5		7.0	2.0				3.0	7.0	3.5						
22-23						6.5	6.0	4.5		3.0	8.0	5.5				10.5	5.5					1.0	
23-24	1.5		2.0					2.0		9.0	4.0						8.0						
24-25		12.0			2.0					5.0	10.0				9.0		10.0						
25-26				9.5						1.0	6.0						12.0				1.5		
26-27		6.0	4.0			8.0			4.5	7.0	2.0		1.5				1.0						
27-28					0.5		5.5			3.5	8.5					2.0	3.5	12.0					
28-29	1.0			11.5	12.0			12.0		9.5	4.5		5.0			6.0	5.5	10.5					
29-30			6.0			1.5		9.5		5.5	10.5	5.5			6.5	10.0	7.5	9.0				0.5	
30-31	12.5			0.5		10.0		7.0		1.5	6.5		8.5				10.0	7.5					

	RW	RW	RZ	RZ	SS	SS	CC	CC	U	RW	TW	W	W	RV	RV	V	SW	WW	ZZ	AE	BR	CG	DK
	COM	COM	COM	COM	COM	COM	COM	COM	CRB	CRB	CRB	CRV	CRV	CRV	CRV	CRT	CYG	CYG	CYG	CYG	CYG	CYG	CYG
MAX	11.0	11.0	10.0	10.0	10.9	10.9	11.0	11.0	7.6	10.1	10.5	10.6	10.6	9.0	9.0	9.5	9.3	9.9	10.7	11.8	9.4	11.0	10.3
MIN	11.6	11.6	10.7	10.7	11.5	11.5	11.9	11.9	8.8	10.6	11.3	11.2	11.2	10.0	10.0	10.2	11.8	13.2	12.0	12.8	10.5	11.8	10.8
DUR	3	3	3	3	4	4	2	2	5	4	4	4	4	4	4	4	5	5	4	4	4	3	4
TOT																	2						
		(S)		(S)		(S)		(S)					(S)		(S)								
0- 1	2.5	5.0	3.5	8.0	8.0	3.0	3.5	1.0				12.5	4.0	8.5	4.0	4.5		6.5		11.0			
1- 2	1.0	4.0	4.0	8.0	4.0	9.0	1.0	3.5		6.0		8.0	3.0		6.5							11.0	
2- 3	5.5	2.5	4.5	8.5	9.5	4.5	3.5	0.5			6.5	2.5	7.0	9.5		7.0							11.5
3- 4	4.5	1.5	5.0	1.0	5.5	10.5	0.5	3.0		10.5	11.0	6.5	2.0	3.5	12.0			10.0			8.5	10.0	
4- 5	3.0	6.0	5.0	1.0	1.0	6.0	3.0	5.5	12.0	4.0		10.5	5.5		6.0	9.5				10.5		8.5	
5- 6	2.0	5.0	5.5	1.5	7.0	2.0	5.5	3.0			5.5	5.0	9.5	9.5		2.5		7.5					
6- 7	0.5	3.5	6.0	2.0	2.5	7.5	2.5	5.5		8.0	9.5	9.0	4.5	3.5	12.0							12.0	
7- 8	5.0	2.5	6.5	2.5	8.5	3.5	5.0	2.5				3.5	8.0		6.0	5.0							
8- 9	4.0	1.0	6.5	2.5	4.5	9.0	2.5	5.0		12.5	4.0	7.5	3.0	9.0				11.0		10.5	9.5		
9-10	3.0	5.5	7.0	3.0	10.0	5.0	5.0	2.0		6.0	8.5	2.0	7.0	3.0	11.5	7.5		9.5		12.0			
10-11	1.5	4.5	7.5	3.5	6.0	1.0	2.0	4.5				6.0	10.5		5.5				8.0	11.0			11.5
11-12	6.0	3.0	8.0	4.0	1.5	6.5	4.5	2.0	10.0	10.0		10.0	5.5	9.0		10.0			10.5			10.0	
12-13	5.0	2.0	8.0	4.0	7.5	2.5	1.5	4.5		3.5	7.0	4.5	9.5	3.0	11.5	3.0			10.0	10.5		8.5	
13-14	3.5	1.0	0.5	4.5	3.0	8.0	4.0	1.5			11.0	8.5	4.0		5.5		8.5		11.5	9.0		10.5	
14-15	2.5	5.0	1.0	5.0	9.0	4.0	1.5	4.0		8.0		3.0	8.0	8.5		5.5			8.5			8.0	
15-16	1.0	4.0	1.0	5.5	4.5	9.5	4.0	1.0			5.5	7.0	2.5		11.0			8.5				8.0	
16-17	5.5	3.0	1.5	5.5	10.5	5.5	1.0	3.5		12.0	10.0	2.0	6.5		5.0	8.0				10.5			
17-18	4.5	1.5	2.0	6.0	6.0	1.5	3.5	1.0		5.5		5.5	10.5	8.5				6.0					
18-19	3.5	6.0	2.5	6.5	2.0	7.0	0.5	3.5	7.5		4.5	9.5	5.0		11.0	10.5			12.0		12.0	11.5	
19-20	2.0	5.0	2.5	6.5	8.0	3.0	3.0	0.5		10.0	8.5	4.5	9.0		5.0	3.5		8.5				10.0	
20-21	1.0	3.5	3.0	7.0	3.5	8.5	5.5	3.0		3.5		8.0	3.5	8.0					9.5		10.5	9.5	9.0
21-22	5.5	2.5	3.5	7.5	9.5	4.5	3.0	5.5				3.0	7.5		10.5	6.0			0.5				
22-23	4.0	1.0	4.0	8.0	5.0	10.0	5.5	2.5		7.5	7.0	7.0	2.0		4.5		12.0		6.5				
23-24	3.0	5.5	4.0	8.0	1.0	6.0	2.5	5.0			11.5	11.0	6.0	8.0		8.5							
24-25	1.5	4.5	4.5	0.5	6.5	1.5	5.0	2.5		12.0		5.5	10.0		10.5	1.5					10.5		
25-26	0.5	3.5	5.0	1.0	2.5	7.5	2.0	5.0	5.5	5.5	6.0	9.5	4.5		4.0	11.0			10.0		10.5		
26-27	5.0	2.0	5.5	1.0	8.0	3.0	4.5	2.0			10.0	4.0	8.5	7.5		4.0			10.0				11.5
27-28	3.5	1.0	5.5	1.5	4.0	9.0	2.0	4.5		9.5		8.0	3.0		10.0				7.5		8.0	10.0	
28-29	2.5	5.5	6.0	2.0	9.5	5.0	4.5	1.5		3.0	4.5	2.5	7.0		4.0	6.5				10.5		9.0	
29-30	1.5	4.0	6.5	2.5	5.5	10.5	1.5	4.0			9.0	6.5	2.0	7.0				7.0					
30-31	6.0	3.0	7.0	2.5	1.5	6.5	4.0	1.5		7.5		10.5	6.0		10.0	9.0			11.0			11.5	

	KR	KV	V346	V387	V388	V401	V456	V466	V466	V477	V548	V704	1034	W	TT	TY	YY	FZ	Z	RZ	TW	UZ	UZ
	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA
MAX	9.2	11.5	11.8	11.5	9.7	10.8	10.8	10.8	10.8	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
MIN	10.0	12.6	13.6	12.3	10.3	11.6	11.9	11.6	11.6	9.2	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
DUR	4	5	5	3	3	4	3	4	4	4	5	4	4	7	5	4	4	3	4	3	5	5	5
TOT														2							1		
									(S)														(S)
0- 1						9.5		12.5			7.0	11.0	8.0	9.5	10.0				6.0	5.5			
1- 2												1.0	7.5					10.0		7.5		1.5	
2- 3				12.0							2.5						9.5		10.0				
3- 4	11.5				11.5	7.5		7.0				7.5				11.0					11.0		
4- 5	7.5			10.0	8.0	11.5						11.0							8.0	2.0		8.0	
5- 6									9.0			0.5								4.5			
6- 7			9.0	8.0			10.5										9.0			6.5	6.5		
7- 8					9.5	8.0	11.5				12.5	7.5							1.0	9.0			
8- 9												11.0						11.5	9.5	11.5			
9-10	9.5				11.5						7.5	0.5				10.0				1.0	2.0		5.0
10-11					8.5	7.0														3.0			
11-12				11.0		11.0					3.0	7.5							2.5	5.5			
12-13		10.0							8.0			10.5							11.5	8.0			11.5
13-14				9.0													12.0			10.5			
14-15	11.0					9.0	11.0	10.5														2.5	
15-16	7.5				12.0		8.5			7.5		7.0							4.5	2.0			
16-17					8.5				12.5			10.5								4.5			
17-18			8.5			7.0											11.5			7.0	12.0	9.0	
18-19				12.0		11.0					8.0									9.5			
19-20									7.0			7.0						10.5	6.0	12.0			
20-21	9.0			10.5							3.5	10.5			12.5					1.0	7.5		
21-22					12.5	9.0		9.0									10.5			3.5			
22-23				8.5	9.0		11.5			8.5						12.0				6.0			6.5
23-24							9.0		11.5			7.0			9.5				8.0	8.5	2.5		
24-25						7.0						10.5		10.5						11.0			
25-26	11.0					11.0											9.5						
26-27																		11.5	1.0	2.5			
27-28				11.5							9.0	7.0							9.5	5.0		3.5	
28-29			8.0		9.0	8.5		8.0				10.0				11.0				7.5			
29-30		11.0		9.5						9.5	4.0						9.0			10.0			
30-31							12.0		10.5									9.5	3.0	12.5		10.0	





MAS Eclipsing Binary Ephemeris for March 2016

all times in U.T.

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	LT	V728	WY	WY	AV	DF	DF	DI	DK	SW	SW	VX	AW	CM	CO	CO	DG	GX	Y	UU	UV	VZ	WZ	
	HER	HER	HYA	HYA	HYA	HYA	HYA	HYA	HYA	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LEO	LEO	LEO	LEO	LEO	
MAX	10.7	10.9	10.3	10.3	10.2	11.0	11.0	11.0	10.5	9.2	9.2	10.9	10.6	8.5	10.5	10.5	10.8	10.1	9.5	11.4	9.5	10.6	11.3	
MIN	11.1	11.5	11.1	11.1	10.6	11.5	11.5	12.0	11.0	10.0	10.0	12.3	11.3	9.5	11.0	11.0	12.0	10.4	12.7	12.7	10.2	11.7	12.0	
DUR	4	3	3	3	4	4	4	4	4	3	3	4	5	4	5	5	4	6	5	4	3	4	5	
TOT																								
				(S)		(S)					(S)						(S)							
0- 1	8.5	7.0	5.0		7.5	3.0	7.0		3.0	1.0								5.5					9.5	
1- 2	10.5	5.5		7.0		3.0	7.0	5.5	4.0		11.5				7.5				8.5	7.0	3.5	0.5		
2- 3	12.5	4.0	8.5		8.5	2.5	6.5		5.0		11.0					1.5					8.5	2.5		
3- 4			2.0		1.0	2.5	6.5	2.0	6.0		2.0	10.0	4.0						1.0			5.0	5.0	
4- 5				3.5	10.0	2.5	6.5	7.5	7.5		1.5	11.5	7.0	9.0	9.5		4.5				3.5	7.0		
5- 6		11.5	5.5		2.5	2.0	6.0		8.5	12.0			10.5			3.5					8.5	9.0		
6- 7		10.0		7.0		2.0	6.0	3.5	9.5	11.0							9.5		10.0	8.0			1.0	
7- 8		8.5	9.0		3.5	1.5	5.5	9.0		10.0					11.5						3.5		10.5	
8- 9		7.5	2.0			1.5	5.5			1.5						5.5			2.5		8.5			
9-10		6.0		4.0	4.5	1.5	5.5	5.5		0.5	12.0				0.5									
10-11		4.5	6.0			1.0	5.0		1.0		11.0											3.5		6.0
11-12		3.0		7.5	6.0	1.0	5.0	1.5	2.0		10.5		4.0			7.5			11.5	9.0	8.5			
12-13	6.5			0.5		1.0	4.5	7.0	3.0		1.5		7.0	9.5	3.0									
13-14	8.5	11.5	2.5		7.0	0.5	4.5		4.0	12.5	1.0	2.0	10.5						4.0	1.5	3.5			2.0
14-15	10.5	10.5		4.5		8.5	4.5	3.5	5.5	11.5						9.5					8.5	2.5		
15-16	12.5	9.0	6.0		8.5	8.0	4.0	9.0	6.5	10.5					5.0		5.5					4.5		
16-17		7.5		8.0	0.5	8.0	4.0		7.5	2.0										10.0	3.5	6.5		
17-18		6.0		1.0	9.5	7.5	3.5	5.0	8.5	1.0		9.0				12.0	10.5				8.5	9.0	7.0	
18-19		5.0	3.0		2.0	7.5	3.5				11.5	11.0			7.0				5.5	2.5		11.0		
19-20		3.5		4.5		7.5	3.5	1.5			10.5		4.0			1.0		7.0				3.5		
20-21			6.5		3.0	7.0	3.0	7.0			2.0		7.0	10.0								8.5		3.0
21-22		12.0		8.0		7.0	3.0				1.0	10.5			9.0					11.0				
22-23		10.5		1.5	4.5	6.5	3.0	3.0	1.0	12.0				0.5		3.0						3.5		
23-24		9.0	3.0			6.5	2.5	8.5	2.0	11.0									7.0	3.0	8.5			
24-25		8.0		5.0	5.5	6.5	2.5		3.5	10.0					11.0		1.0							8.0
25-26	6.5	6.5	6.5		6.0	2.0	5.0		4.5	1.5						5.0					3.5			
26-27	8.5	5.0		8.5	6.5	6.0	2.0		5.5	0.5	12.0						6.0				8.5	2.0		
27-28	10.5	3.5		1.5		5.5	2.0	1.0	6.5		11.0	1.0	4.0									4.5	4.0	
28-29			3.5		8.0	5.5	1.5	6.5	7.5		10.5		7.0	10.5		7.0	11.0		8.0	4.0	3.5	6.5		
29-30		12.5		5.0		5.5	1.5		8.5		1.5		10.5		2.0						8.5	8.5		
30-31		11.0	7.0		9.0	5.0	1.0	3.0		12.5	1.0			1.0					0.5			11.0		

	XY	XZ	AM	T	RR	SS	DELT	RY	UZ	EW	FL	RU	RU	RW	AT	BB	BO	EP	U	SX	V501	V508	V839
	LEO	LEO	LEO	LMI	LEP	LIB	LIB	LYN	LYR	LYR	LYR	MON	MON	MON	MON	MON	MON	MON	OPH	OPH	OPH	OPH	OPH
MAX	9.5	10.6	9.2	10.2	10.2	10.4	4.8	11.9	9.8	11.2	8.7	10.6	10.6	9.1	10.6	10.6	10.8	10.5	5.8	10.5	10.9	10.1	8.8
MIN	9.9	11.2	9.8	12.6	10.9	11.3	5.9	13.3	11.0	13.6	9.5	11.3	11.3	11.9	11.4	11.3	12.1	11.1	6.5	11.2	11.8	10.7	9.4
DUR	2	3	3	6	4	6	7	4	5	5	4	5	5	5	5	4	5	5	5	5	4	3	3
TOT														1									
													(S)										
0- 1	6.5	0.5	4.0						10.0						2.5		1.5	6.0				8.0	12.5
1- 2	3.0	11.5	6.5	2.5		7.0		4.0								6.5						9.0	8.0
2- 3	6.0	11.0	8.5				6.5		7.5						3.5		6.5					9.5	
3- 4	2.5	10.5	2.0																			10.5	9.0
4- 5	6.0	10.0	4.5	3.0				1.0					4.5		4.0	5.0						11.5	
5- 6	2.0	9.5	7.0		3.5			11.5														12.0	10.0
6- 7	5.5	9.0	0.5		1.5										5.0								
7- 8	2.0	8.0	3.0	3.5												3.5		3.0					11.5
8- 9	5.0	7.5	5.0			11.5		8.5			8.0				5.5			6.5				6.5	7.0
9-10	1.5	7.0	7.5				6.0															7.0	12.5
10-11	5.0	6.5	1.0	4.0							12.0	3.0			6.0	1.5						8.0	8.0
11-12	1.5	6.0	3.5			8.5		5.5									4.5		6.0			9.0	
12-13	4.5	5.5	5.5										7.0	7.0	6.5							9.5	9.0
13-14	1.0	4.5	8.0	4.5																7.5		10.5	
14-15	4.5	4.0	1.5					2.0						5.0	7.5			6.5				11.5	10.0
15-16	1.0	3.5	4.0		5.0											5.0		4.0		9.0		12.0	
16-17	4.0	3.0	6.5	5.0	3.0		5.5							2.5				7.5					11.0
17-18	0.5	2.5	8.5		1.0				10.5			7.0								10.5			7.0
18-19	4.0	1.5	2.0					9.5								3.0						6.5	12.5
19-20	7.0	1.0	4.5	5.5					8.0		5.5								7.5	12.0		7.0	8.0
20-21	3.5	0.5	7.0														2.0					8.0	
21-22	7.0	11.5	9.0			10.0		6.5			9.5					1.5					12.5	9.0	9.0
22-23	3.5	11.0	2.5	6.0									3.0				7.5	1.5			11.5	9.5	
23-24	6.5	10.5	5.0				5.0									6.5		5.0			11.0	10.5	10.0
24-25	3.0	10.0	7.5			7.0		3.5		11.5									8.0		10.0	11.0	
25-26	6.5	9.5	1.0	6.5																	9.5	12.0	11.0
26-27	3.0	8.5	3.5		5.0					10.0						4.5					8.5		7.0
27-28	6.0	8.0	5.5		3.0																8.0		12.5
28-29	2.5	7.5	8.0	7.0	0.5			10.5		9.0		1.0									7.0	6.5	8.0
29-30	6.0	7.0	1.5										7.0			3.0			9.0			7.0	
30-31	2.5	6.5	4.0				4.5			7.5								2.0				8.0	9.0

	1010	EF	EF	EQ	ER	ER	ET	FH	FL	FR	FT	FZ	FZ	GU	GU	U	UX	AQ	BB	BB	BG	BX	DI
	OPH	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG
MAX	6.2	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	10.7	10.3	10.6	10.6	10.5	10.9	9.6
MIN	7.0	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	12.0	13.0	11.2	11.2	11.8	11.5	10.8
DUR	4	6	6	4	3	3	5	5	3	4	4	3	3	4	4	3	5	12	3	3	4	3	2
TOT																		5			1		
			(S)			(S)						(S)		(S)				(3)		(S)			
0- 1	10.0	2.5			0.5							6.5	1.5	4.0					11.5				12.0
1- 2				5.0		2.0			5.5			1.5	6.5	3.0									10.0
2- 3	10.0				3.5					6.5		6.5	1.5	1.5	7.0	1.0				11.0			
3- 4						5.0				4.0		1.5	6.5		5.5								
4- 5	9.5		4.0			1.0				1.0		6.5	1.5		4.0				11.0				12.0
5- 6					2.5		5.0				3.0	1.5	6.5		3.0	1.0							
6- 7	9.0					4.0	3.5					6.5	1.5	7.0	1.5					10.5			11.0
7- 8					5.5		2.5					1.5	6.5	5.5									
8- 9	8.5	5.0		4.5	2.0		1.5				6.5	6.5	1.5	4.5		1.0							10.0
9-10			0.5			3.0						1.5	6.5	3.0			11.0		12.5				1.0
10-11	8.5				4.5					5.5		6.5	1.5	1.5	7.0								9.0
11-12					1.0			2.5		2.5		1.5	6.5		5.5	1.0				12.0			12.0
12-13	8.0		6.0			2.5			2.0			6.5	1.5		4.5								
13-14		1.5			3.5			6.5				1.5	6.5		3.0				11.5				11.0
14-15	7.5					5.0						6.5	1.5	7.0	1.5	1.0							0.5
15-16				4.5		1.5			4.5			1.5	6.5	5.5						11.5			10.5
16-17	7.0	7.5			3.0							6.5	1.5	4.5									
17-18			3.0			4.0				7.0		1.5	6.5	3.0		1.0			11.0				9.5
18-19	6.5					0.5				4.0		6.5	1.5	1.5	7.0								12.5
19-20					2.0					1.5		1.5	6.5		5.5					11.0			
20-21						3.5						6.5	1.5		4.5	1.0							11.5
21-22		4.0			5.0							1.5	6.5		3.0				10.5				
22-23				4.0	1.0							6.5	1.5	7.0	1.5								10.5
23-24						2.5						1.5	6.5	5.5		1.0							
24-25					4.0		5.5	0.5			0.5	6.5	1.5	4.5						12.5			9.5
25-26			5.0			5.5	4.0			5.5		1.5	6.5	3.0									
26-27		0.5				1.5	3.0	4.0	1.0	3.0		6.5	1.5	1.5	7.0	1.0	11.0	10.5	12.0				
27-28					3.0		1.5				4.0	1.5	6.5		6.0								11.5
28-29						4.5	0.5					6.5	1.5		4.5					12.0	12.5		
29-30		6.5		3.5		1.0			3.5			1.5	6.5		3.0	0.5							11.0
30-31			1.5		2.0						8.0	6.5	1.5	7.0	1.5					11.5		11.0	

	GP	Z	RT	RV	ST	XZ	IQ	IQ	IT	IU	KW	V432	BETA	RV	UZ	UZ	AV	U	V505	1968	RS	AO	CC
	PEG	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PSC	PUP	PUP	PUP	SGE	SGR	SGR	SER	SER	SER
MAX	10.2	9.9	10.6	10.3	9.7	10.6	7.7	7.7	9.9	10.5	10.5	11.0	2.2	11.3	9.7	9.7	10.2	6.4	6.4	12.3	10.8	10.6	11.1
MIN	11.0	12.4	12.0	12.7	13.2	12.7	8.3	7.9	10.5	11.6	11.5	11.7	3.5	12.0	10.6	10.3	10.8	9.1	7.6	13.3	11.5	12.1	11.7
DUR	4	6	4	8	5	4	5	5	4	5	4	3	8	3	4	4	3	6	5	4	4	4	4
TOT		2			1													2					
								(S)								(S)							
0- 1									1.0	4.0	8.0	1.0		3.0		1.0	3.5						12.0
1- 2								8.5		0.5	6.5	5.0			5.5		6.5			10.0			12.5
2- 3			5.0				7.5				4.5				1.0						8.5		
3- 4			1.5					2.5	3.0		3.0	3.0				5.5						12.0	
4- 5						1.0	1.5				1.5	6.5				0.5	1.0		11.5			9.0	
5- 6	12.5					4.5						1.0		2.5	5.0		4.0			8.5	8.0	6.0	
6- 7	12.0					8.0			4.5	4.0		4.5					6.5			11.5			4.0
7- 8	11.5		7.5							0.5						5.0							5.0
8- 9	10.5		4.0					8.0				2.5									8.0		5.5
9-10	10.0						7.0		6.0			6.0			4.5		1.5	7.5					6.5
10-11								2.0						2.0			4.0			10.0			7.0
11-12							0.5				12.0	4.0				4.0	7.0					10.0	8.0
12-13				5.0	2.5					4.0	10.5		4.5								12.5	7.0	8.5
13-14			6.0			6.0				0.5	9.0	2.0			4.0							4.0	9.5
14-15			2.5								7.5	5.5								9.0			10.0
15-16								7.5			5.5		1.5	2.0		3.5	4.0			12.0	12.0		11.0
16-17							6.5				4.0	3.5					7.0						11.5
17-18								1.5			2.5				3.0				11.5				12.5
18-19									4.0	0.5	1.5										12.0	10.5	
19-20			5.0	7.0					0.5		5.0					3.0	1.5	11.0		10.5		7.5	
20-21		0.5	1.0		4.0	4.0								1.5	7.5		4.5					5.0	
21-22				6.0		7.5						3.0			2.5		7.0				11.5		
22-23								7.0				7.0				7.0							4.0
23-24		2.0		5.5			5.5		1.5			1.0				2.5			9.5	9.0			4.5
24-25	1.5		7.0					0.5		4.0		5.0			7.0		2.0			12.0	11.5		5.5
25-26	1.0		3.5	5.0						0.5	11.5				2.0		4.5					11.5	6.0
26-27		3.0							3.0		10.0	3.0		4.0		6.5	7.5					8.5	7.0
27-28				4.5		1.5					8.0	6.5				1.5					11.0	5.5	8.0
28-29					2.5	5.5					6.5	1.0			6.5					10.5			8.5
29-30		4.5		3.5				6.0	4.5		5.0	4.5			1.5		2.0						9.5
30-31			6.0				5.0			4.0	3.0			1.0		6.0	4.5		12.0		11.0		10.0

	CC	Y	RW	RZ	TY	WY	AC	AM	AQ	CT	EQ	EQ	HU	V	X	RS	RV	W	W	TX	TY	TY	UX
	SER	SEX	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TRI	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMA	UMA
MAX	11.1	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	9.1	9.1	6.8	11.7	11.7	12.7
MIN	11.7	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	9.9	9.9	8.9	12.4	12.4	13.8
DUR	4	3	4	3	2	4	6	5	5	5	3	3	6	4	4	4	4	3	3	6	3	3	1
TOT			1																				
	(S)											(S)						(S)			(S)		
0- 1	5.5	6.0	5.0	3.0		4.0				2.0	4.0						3.0	7.0		6.5	2.0	3.5	
1- 2	6.5	2.5							4.0		4.5					3.0	3.0	7.0		8.0	3.5	8.0	
2- 3	7.0	8.5		5.0		6.0				2.0	5.0	1.0		3.5	4.0		1.5	3.0	7.0	1.0	5.0	2.5	
3- 4	8.0	4.5		1.0							5.5	1.5			3.5	1.0		3.0	7.0	2.5	7.0	7.0	
4- 5	8.5	1.0				8.0				2.0		2.0			3.0			3.0	7.0	4.0	8.5	2.0	
5- 6	9.5	7.0		3.0		0.5		1.0				2.5		1.5	2.0		2.0	3.0	7.0	5.5	1.5	6.0	
6- 7	10.0	3.0							0.5	2.0		3.5			1.5			3.0	7.0	7.0	3.0	1.0	
7- 8	11.0	9.5		4.5		2.5		2.5	6.0			4.0			0.5			3.5	7.5	8.5	4.5	5.5	
8- 9	11.5	5.5		0.5						2.0		4.5					2.0	3.5	7.5	1.0	1.5	6.0	9.5
9-10	12.5	1.5			0.5	4.0	1.0	3.5			1.0	5.0		4.0				3.5	7.5		3.0	7.5	4.5
10-11		8.0		2.5	2.5					2.0	1.5	5.5						3.5	7.5		4.5	0.5	9.0
11-12		4.0			4.5	6.0	2.0	4.5			2.0						2.5	3.5	7.5	2.5	6.0	2.0	4.0
12-13		10.5		4.5	6.0				2.5	2.0	2.5			2.0				3.5	7.5		7.5	3.5	8.0
13-14		6.5				8.0	3.0	5.5			3.0							3.5	7.5		1.0	5.0	3.0
14-15	4.0	2.5	1.5	6.5		0.5				2.0	4.0		1.0				3.0	3.5	7.5	4.0	2.5	6.5	7.5
15-16	4.5	9.0		2.5			4.0	6.5			4.5							3.5	7.5		4.0	8.0	2.0
16-17	5.5	5.0				2.5				2.0	5.0	1.0	2.5					3.5	7.5		5.5	1.0	6.5
17-18	6.5	1.0		4.0			5.0				5.5	1.5					3.5	3.5	7.5	5.5	7.0	2.5	1.5
18-19	7.0	7.5				4.5			4.5	2.0		2.0	4.0					3.5	7.5		8.5	4.0	6.0
19-20	8.0	3.5		6.0								2.5		2.5				3.5	7.5		1.5	5.5	0.5
20-21	8.5	10.0		2.0		6.0				2.0		3.0	5.0				3.5	3.5	7.5	7.0	3.0	7.0	5.0
21-22	9.5	6.0										3.5						3.5	7.5		4.5	8.5	9.5
22-23	10.0	2.0		4.0		8.0				2.0		4.5	6.5	1.0		3.0		3.5	7.5		6.0	1.5	4.0
23-24	11.0	8.5			1.0	1.0			1.0		1.0	5.0					4.0	3.5	7.5	8.5	7.5	3.5	8.5
24-25	11.5	4.5		6.0	2.5				6.5	2.0	1.5	5.5				0.5		3.5	7.5		0.5	5.0	3.5
25-26	12.5	0.5	3.5	1.5	4.5	2.5					2.0							3.5	7.5		2.0	6.5	7.5
26-27		7.0								2.0	2.5			3.0			4.5	3.5	7.5	10.0	3.5	8.0	2.5
27-28		3.0		3.5		4.5					3.0							3.5	7.5		5.0	1.0	7.0
28-29		9.0								2.0	3.5							3.5	7.5		6.5	2.5	2.0
29-30		5.5		5.5		6.5			3.0		4.0		1.5				4.5	3.5	7.5	11.5	8.0	4.0	6.0
30-31	4.0	1.5		1.5						2.0	5.0	0.5						3.5	8.0		1.0	5.5	1.0

	UX	VV	XZ	ZZ	AF	W	RU	VV	AG	AH	AH	AK	AW	AW	AX	AZ	AZ	BH	MS	MS	NY	Z	AW
	UMA	UMA	UMA	UMA	UMA	UMI	UMI	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VUL	VUL
MAX	12.7	10.1	10.1	9.8	10.8	8.6	10.7	11.7	8.8	9.7	9.7	10.0	10.8	10.8	10.0	11.0	11.0	9.9	9.4	9.4	13.3	7.4	10.8
MIN	13.8	11.0	11.7	11.2	11.6	9.7	11.4	13.5	9.4	10.2	10.2	11.5	11.9	11.9	10.8	11.8	11.8	11.3	9.7	9.7	14.2	9.2	11.9
DUR	1	3	3	4	8	7	4	4	4	4	4	4	3	3	4	3	3	4	3	3	1	6	5
TOT																							
										(S)			(S)			(S)				(S)			
0- 1	8.0				1.0	12.0	1.5		4.5	2.0	6.5		4.0	8.5	9.5	10.5	6.5		5.5	9.0	3.0		
1- 2	3.0	8.5		1.5			3.0	10.5	11.5	7.0	2.5	7.5	5.5	10.0	2.5	3.5	7.5	9.0	4.0	7.5	3.5		11.0
2- 3	7.5	1.0				5.0	4.0	8.0	3.0	2.5	7.5	12.0	7.0	3.0	12.5	4.5	8.5	5.0	10.0	6.0	3.5		
3- 4	2.5	10.0	1.0	8.5			5.0	5.5	9.5	8.0	3.0		8.5	4.5	5.0	5.5	10.0		8.5	4.5	4.0		
4- 5	6.5	2.5	6.0				6.5		1.0	3.5	8.5		10.0	6.0		7.0	2.5		7.0	10.5	4.0		
5- 6	1.5	11.5	11.5		7.5		7.5	11.0	8.0	9.0	4.0		3.0	7.5	7.5	8.0	4.0	11.0	5.5	9.0	4.5		11.5
6- 7	6.0	4.0					9.0	8.0		4.5	9.5		4.5	9.0		9.0	5.0	7.0	4.0	7.5	4.5		
7- 8	0.5					7.5	10.0	5.5	6.0	10.0	5.0	6.5	6.0	10.5	10.5	10.5	6.0		10.0	6.0	5.0		
8- 9	5.0	5.5					11.0			5.5	0.5	11.5	7.5	3.5	3.0	3.0	7.5		8.5	4.5	2.5		
9-10	9.5		3.5				12.5	11.0	4.5	1.0	6.0		9.0	5.0		4.5	8.5		7.0	10.5	3.0		12.5
10-11	4.0	7.0	9.0	6.5			1.0	8.5	11.5	6.5	1.5		10.5	6.5	5.5	5.5	9.5	9.0	5.5	9.0	3.0		
11-12	8.5						2.0	6.0	3.0	2.0	7.0		3.5	8.0		6.5	2.5	4.5	4.0	7.5	3.5		
12-13	3.5	8.5				9.5	3.5		9.5	7.0	2.5		5.0	9.5	8.5	8.0	3.5		10.0	6.0	3.5		
13-14	8.0	1.0					4.5	11.5	1.0	3.0	7.5	6.0	6.5	2.5		9.0	5.0		8.5	4.5	4.0		
14-15	2.5	10.0	1.0			2.5	5.5	9.0	8.0	8.0	3.5	10.5	8.0	4.0	11.0	10.0	6.0	11.0	7.0	10.5	4.0		8.5
15-16	7.0	2.5	6.0				7.0	6.5		3.5	8.5		9.5	5.5	4.0	3.0	7.0	6.5	5.5	9.0	4.5		
16-17	2.0	11.5	11.5				8.0	4.0	6.0	9.0	4.0		2.5	7.0		4.0	8.5		11.5	7.5	4.5		
17-18	6.0	4.0		4.0		12.0	9.5	12.0		4.5	9.5		4.0	8.5	6.5	5.5	9.5		10.0	6.0	5.0	10.5	
18-19	1.0						10.5	9.5	4.5	10.0	5.0		5.5	10.0		6.5	10.5		8.5	4.5	2.5		9.5
19-20	5.5	5.5		11.0		5.0	11.5	7.0	11.5	5.5	0.5	5.0	7.0	3.0	9.0	7.5	3.5	8.5	7.0	10.5	3.0		
20-21	9.5		3.5					4.0	2.5	1.0	6.0	10.0	8.5	4.5		9.0	4.5	4.0	5.5	9.0	3.0		
21-22	4.5	7.0	9.0		2.0		1.5	12.5	9.5	6.5	1.5		10.0	6.0	11.5	10.0	6.0		11.5	7.5	3.5		
22-23	9.0						2.5	9.5	1.0	2.0	7.0		3.0	7.0	4.5	3.0	7.0		10.0	6.0	3.5	8.5	10.0
23-24	4.0	8.5					4.0	7.0	8.0	7.5	2.5		4.5	8.5		4.0	8.0	10.5	8.5	4.5	4.0		
24-25	8.0	1.0		1.5		7.5	5.0	4.5	3.0	8.0			6.0	10.0	7.0	5.0	9.5	6.0	7.0	10.5	4.0		
25-26	3.0	10.0	1.0				6.5		6.0	8.0	3.5	4.5	7.5	3.0		6.5	10.5		5.5	9.0	4.5		
26-27	7.5	2.5	6.0	8.5	8.0		7.5	10.0		4.0	8.5	9.0	9.0	4.5	9.5	7.5	3.5		11.5	7.5	4.5		11.0
27-28	2.0	11.5	11.5				8.5	7.5	4.5	9.0	4.0		10.5	6.0	2.5	8.5	4.5		10.0	6.0	5.0		
28-29	6.5	4.0					10.0	5.0	11.0	4.5	9.5		3.5	7.5	12.0	10.0	5.5	8.0	8.0	4.5	2.5		
29-30	1.5					10.0	11.0		2.5	10.0	5.0		5.0	9.0	5.0	2.5	7.0	3.5	6.5	10.5	3.0		
30-31	5.5	5.5					12.5	10.5	9.5	5.5	0.5		6.5	10.5		4.0	8.0		5.0	9.0	3.0		11.5

all times in U.T.

	AX	AY	BE	BO	BS	BT	BU	CD
	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL
MAX	11.0	11.0	9.9	10.4	11.0	11.8	10.6	11.5
MIN	12.5	12.9	11.4	13.3	11.5	12.5	11.4	12.6
DUR	5	4	5	4	3	3	3	4
TOT								
0- 1					8.0			12.5
1- 2	9.0							
2- 3			10.0					
3- 4	9.5						9.5	
4- 5								
5- 6	10.0							
6- 7					12.5			
7- 8	10.5				11.5	9.0	9.0	8.5
8- 9					10.0	12.5	12.0	
9-10	11.5				9.0			10.0
10-11					8.0			
11-12	12.0						8.5	11.0
12-13							12.0	
13-14	12.5							12.0
14-15								
15-16		9.5		12.5		8.5	8.0	
16-17			9.5		12.5	12.0	11.5	
17-18				11.0	11.0			
18-19					10.0			
19-20			12.0	10.0	9.0			
20-21					7.5		11.0	8.5
21-22				8.5				
22-23								9.5
23-24						8.5		
24-25						11.5	10.5	11.0
25-26								
26-27					12.0			12.0
27-28		11.0			11.0			
28-29					10.0		10.0	
29-30					9.0			
30-31			8.5		7.5			