

	RT	TW	UU	WZ	XZ	AB	AB	AD	BD	BX	DS	QX	QX	RY	CX	CZ	EK	EK	KO	OO	V343	V346	RX
	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AQR	AQR	AQR	AQR	AQR	AQL	AQL	AQL	AQL	ARI
MAX	9.3	8.8	11.2	11.6	10.0	9.3	9.3	11.1	11.3	8.6	10.8	11.3	11.3	8.8	10.7	10.3	10.8	10.8	8.3	9.2	10.6	9.0	9.4
MIN	10.2	11.0	14.1	12.6	13.0	10.2	10.2	11.6	11.7	9.5	11.4	11.6	11.6	10.1	12.0	11.2	11.3	11.3	9.3	10.1	12.3	10.4	9.9
DUR	3	11	8	4	3	3	3	4	3	4	4	3	3	5	3	3	3	3	5	3	4	4	4
TOT		2																					
							(S)	(S)					(S)				(S)		(S)				
0- 1				2.5		2.0					2.0		4.5		0.0		1.5			(S)			
1- 2						2.0					2.5	5.5	0.5							0.0	13.0		
2- 3	5.5		4.5	4.5		2.0			5.5	4.5	2.5	1.0	6.0										
3- 4					4.5	2.0			3.5		3.0	7.0	2.0					3.0					
4- 5	2.5			6.5		1.5			1.5	0.5	3.0	2.5	7.5				1.0						
5- 6			4.0			1.5				5.5	3.5		3.5		0.5								
6- 7						1.5					3.5	4.0											
7- 8	6.0			1.5	6.5	1.5				1.5	4.0		5.0				2.5						
8- 9			3.5			1.5			5.5	7.0	4.5	5.5	0.5				0.5						
9-10	3.5			3.5		1.0		6.5	4.0		4.5	1.5	6.5										
10-11						1.0	5.0	6.5	2.0	3.0	5.0	7.0	2.0		0.5								
11-12	0.5		3.0	5.5	8.0	1.0	5.0	6.0	0.5	8.0	5.0	3.0	7.5					2.0					
12-13						1.0	5.0	5.5			5.5		3.5			0.5	0.5						
13-14						1.0	5.0	5.5		4.0	5.5	4.0											0.5
14-15	4.0		2.0	0.5	1.5	0.5	4.5	5.0	6.0		6.0	0.0	5.0										1.0
15-16		1.5				0.5	4.5	4.5	4.5		6.0	5.5	1.0		0.5		2.0						2.0
16-17	1.5			2.5		0.5	4.5	4.5	2.5	5.0	6.5	1.5	6.5										2.5
17-18			1.5			0.5	4.5	4.0	1.0		6.5	7.0	2.0	0.5									3.5
18-19				4.5	3.0	0.5	4.5	3.5		1.0	7.0	3.0	8.0			1.5							4.0
19-20	5.0	4.5				0.0	4.0	3.5		6.5	7.0		3.5					1.5					4.5
20-21			1.0	6.5		0.0	4.0	3.0			7.5	4.5			0.5								5.5
21-22	2.0					4.0	2.5	4.5	2.5	7.5	0.0	5.0											6.0
22-23					4.5	4.0	2.5	3.0	7.5	8.0	6.0	1.0						3.0					7.0
23-24			0.0	1.5		3.5	2.0	1.0			1.5	6.5					1.0						
24-25	5.5					3.5	1.5		3.5		7.5	2.5											
25-26				3.5		3.5	1.5				3.0				0.5								
26-27	3.0				6.5	3.5	1.0					4.0					2.5						
27-28				5.5		3.5	0.5	5.0	5.0		4.5						0.5						
28-29	0.0					3.0	0.5	3.5			0.5	5.5										0.0	
29-30	6.5					3.0		1.5	0.5		6.0	1.0							12.5				
30-31				0.5	8.0	3.0				6.0	2.0	7.0			1.0		2.0						

MAS Eclipsing Binary Ephemeris for January 2026

all times in U.T.

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	SS	SS	RY	SX	TT	WW	WW	AP	AP	AR	AR	CL	EM	EP	HP	HP	IM	V459	V459	SS	SS	SS	TU	
	ARI	ARI	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	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	7.7	7.7	10.3	10.3	10.3	11.7	
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	8.1	8.1	11.0	11.0	11.0	12.7	
DUR	3	3	6	4	5	5	5	4	4	5	5	4	4	3	3	3	4	4	4	18	18	18	3	
TOT																				6	6	6		
		(S)					(S)		(S)		(S)				(S)			(S)		(2)		(3)		
0- 1	4.0				5.0			6.0	12.5		1.0	1.5		6.5		5.0							7.0	
1- 2		4.0						4.5	9.0	2.5			7.5		10.5							9.0	6.5	
2- 3	4.5		8.5	0.0		11.0		12.5	5.5	2.5				1.0	8.5								4.0	
3- 4	0.0	5.0		5.0				2.0	9.0				8.5	5.5		1.5	3.0						5.5	
4- 5	5.5	0.5		10.0	5.0			5.5	12.5		4.5			9.5			9.0						7.0	
5- 6	1.0	5.5	2.0					9.0	2.0			1.0	4.5		4.5								8.5	
6- 7	6.0	1.0					6.0	12.0	5.5	6.0		7.0		4.0									10.0	
7- 8	1.5	6.5				12.0		2.0	8.5					8.5		8.0							11.5	
8- 9	7.0	2.0		1.5	5.0			5.0	12.0		7.5				1.0		3.0	0.0						
9-10	2.0	7.0		6.5				8.5	1.5					3.0			9.0	1.5						
10-11		2.5		11.5		0.5		12.0	5.0	9.0		0.5		7.5		4.0		3.0						
11-12	3.0						7.0	1.5	8.5			6.5						4.5					7.5	
12-13		3.5			5.0			5.0	11.5		11.0			2.0	7.5			6.0					7.0	
13-14	3.5		6.5					8.0	1.5					6.5		0.5	2.5	7.5					6.5	
14-15		4.0		2.5				11.5	4.5				7.0	11.0		10.5	8.5	9.0						
15-16	4.5			7.5		2.0		1.0	8.0					1.0	3.5			10.5						
16-17		4.5			5.0		8.0	4.5	11.5			5.5	2.5	5.5				12.0		8.0	11.0			
17-18	5.0	0.0						8.0	1.0					9.5		7.0							1.0	
18-19	0.5	5.5						11.0	4.5								2.5						2.5	
19-20	6.0	1.0						1.0	7.5					4.0	10.0		8.5						4.0	
20-21	1.5	6.0		4.0	5.0	3.0		4.0	11.0					8.5		3.0							5.5	
21-22	6.5	1.5	10.5	9.0			9.5	7.5	0.5			5.0											7.0	
22-23	2.0	7.0						11.0	4.0						3.0	6.5							8.5	
23-24		2.5						0.5	7.5				9.5	7.5			2.0						10.0	
24-25	2.5		4.0		5.0			4.0	10.5							9.5	8.0						11.5	
25-26		3.0				4.5		7.0	0.5				5.5	2.0	2.5			0.5					6.5	
26-27	3.5			5.0			10.5	10.5	3.5			4.5		6.5				2.0					2.0	
27-28		4.0		10.0				0.0	7.0			10.5	1.0	11.0		6.0		3.5					3.5	
28-29	4.0				5.0			3.5	10.5					1.0			2.0	5.0						
29-30		4.5						6.5						5.5	9.0		8.0	6.5						
30-31	5.0	0.0				5.5		10.0	3.0					9.5		2.0		8.0						

	TU	TY	TY	TZ	TZ	VW	VW	ZZ	AD	AD	BW	44	44	Y	SV	AL	AN	CD	CD	R	RT	SX	TU
	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CAM	CAM	CAM	CAM	CAM	CAM	CMA	CMA	CMA	CMA
MAX	11.7	11.8	11.8	10.6	10.6	10.5	10.5	6.8	9.8	9.8	7.1	4.7	4.7	10.6	8.6	10.5	9.7	11.6	11.6	6.2	11.4	10.3	9.7
MIN	12.7	12.3	12.3	11.1	11.1	11.0	11.0	7.6	10.4	10.2	7.5	4.9	4.8	12.4	9.4	11.3	10.5	11.8	11.8	6.8	12.9	11.4	10.7
DUR	3	3	3	3	3	3	3	5	4	4	5	3	3	6	3	5	8	5	5	4	5	4	4
TOT	(S)		(S)		(S)		(S)		(S)		(S)		(S)					(S)					
0- 1					6.5										0.5			8.0			3.5	9.5	3.0
1- 2											13.0		6.5		5.0			2.5	11.5				6.0
2- 3		7.5					7.5	8.0							9.5	7.5			6.0				
3- 4																		9.5	0.0	3.5			
4- 5				6.5											4.5			4.0	13.0	6.5			
5- 6	7.5														9.0				7.5	10.0	7.5	6.5	
6- 7	7.0													1.5		7.0		11.0	1.5				
7- 8	6.5							7.5		7.5					3.5			5.0					
8- 9					7.0	7.5			8.5						8.0		10.0		8.5				
9-10		7.0				8.0				9.0				9.0	12.5			12.0	3.0		5.0		3.5
10-11									10.0			5.5			2.5	6.5		6.5				3.5	6.5
11-12										11.0	13.0				7.0			1.0	10.0	2.0			
12-13			7.0					7.5	11.5						11.5				4.5	5.5			
13-14										12.5					2.0			8.0		9.0	2.0	9.5	
14-15							7.5					6.0			6.5	6.5		2.0	11.5		9.0		
15-16		7.5		6.5			8.0								11.0				5.5				
16-17													6.5		1.0			9.0	0.0				
17-18	7.5							7.0							5.5			3.5	12.5				
18-19	7.0														10.0	6.0			7.0		6.0	6.5	4.0
19-20	6.5				7.0									7.0	0.0			10.5	1.5				7.5
20-21															4.5			5.0		4.5			
21-22						7.5					13.0				9.0				8.5	7.5			
22-23		7.0						7.0								5.5		12.0	3.0		3.5		
23-24															4.0			6.5				3.5	
24-25															8.5			0.5	10.0				
25-26			7.0									5.5			13.0				4.0				
26-27				6.5											3.0	5.0		7.5				9.5	
27-28							7.5	7.0					6.0		7.5			2.0	11.0		7.5		4.5
28-29		7.5					8.0								12.0				5.5	3.0			8.0
29-30	7.5											6.0		5.0	2.0		10.0	9.0		6.5			
30-31	7.0				7.0										6.5	5.0		3.5	12.5	9.5			

all times in U.T.

	TZ	TZ	UU	XZ	YY	AC	AK	AM	AM	RZ	TV	TW	ZZ	AB	CW	CW	DZ	GT	IR	IS	IT	IV	MM
	CMA	CMA	CMA	CMI	CMI	CMI	CMI	CMI	CMI	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
MAX	9.8	9.8	10.0	9.7	8.5	11.0	10.1	10.0	10.0	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
MIN	10.5	10.5	12.5	10.2	9.1	11.5	11.5	10.7	10.4	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
DUR	4	4	5	3	4	3	4	5	6	4	4	5	4	4	3	3	4	5	4	5	5	5	5
TOT																							
		(S)								(S)													
0- 1				1.5	6.5		5.5	7.0		8.0				4.0	2.0	6.0							2.0
1- 2				5.0	9.0	9.5	8.5	7.5		12.5	3.5		1.0	13.0	1.0	5.0	3.0	5.0	6.5				2.0
2- 3				9.0	11.0	6.5	12.0	8.0				5.0	7.0		7.5	4.0							2.0
3- 4						3.5	1.5	8.5					12.5		6.5	2.5							2.0
4- 5				2.5			4.5	9.0						6.5	5.5	1.5	6.5	5.0					2.0 0.5
5- 6				6.5			7.5	9.5		2.5		1.5			4.5	0.5	1.5			12.0			2.0 4.0
6- 7				10.0			11.0	10.0		7.5		12.0	0.5		3.5	7.0			0.5				2.0 8.0
7- 8						11.5		10.5		12.0			6.5	0.0	2.5	6.0		4.5		8.5			2.0
8- 9				4.0		8.0	3.5	11.0					12.0	9.0	1.5	5.0	4.5		1.5				2.0
9-10	9.0		4.0	7.5		5.0	6.5	11.5					8.5		0.5	4.0						4.5	2.0
10-11				11.5	3.0	2.0	10.0	11.5			5.0				7.0	3.0		4.5	2.5				1.5
11-12		8.0	8.0	1.5	5.0					2.0				2.5	6.0	2.0				0.5			1.5
12-13				5.0	7.5		2.5			7.0	0.5	5.0	5.5	11.5	5.0	1.0	3.0		4.0				1.5 3.0
13-14	5.0			9.0	9.5		6.0			11.5			11.5		4.0	7.5		4.0					1.5 7.0
14-15					12.0	10.0	9.0								2.5	6.5			5.0				1.5
15-16		4.0		2.5		7.0			2.0			1.5		5.0	1.5	5.5	6.5						1.5
16-17				6.5		3.5	1.5		2.5			12.0			0.5	4.5	1.0	4.0	6.0				1.5
17-18				10.0			5.0		2.5	1.5			5.0		7.5	3.5							1.5
18-19						8.0			3.0	6.0			11.0		6.0	2.5			7.0				1.5
19-20				4.0			11.0		3.5	11.0	6.5	8.5		7.5	5.0	1.5	4.5	3.5					1.5 2.0
20-21				7.5		11.5			4.0						4.0	0.5				5.5	6.0	1.5	5.5
21-22				11.5		8.5	4.0		4.5		2.0				3.0	7.0			0.0				1.5
22-23			4.0		3.5	5.5	7.0		5.0			5.0	4.5	1.0	2.0	6.0		3.5		2.0			1.5
23-24				5.0	6.0	2.0	10.5		5.5	1.0			10.0	10.0	1.0	5.0	2.5		1.0				1.5
24-25			8.0	9.0	8.0				6.0	5.5					7.5	4.0					3.5		1.0
25-26					10.5		3.0		6.5	10.5		1.5			6.5	2.5		3.0	2.0				1.0
26-27				2.5			6.0		7.0			11.5		3.5	5.5	1.5	6.0						1.0 0.5
27-28				6.5		10.0	9.5		7.5				4.0	12.0	4.5	0.5	1.0		3.0				1.0 4.5
28-29				10.0		7.0			8.0		8.0		9.5		3.5	7.5		3.0			1.0	1.0	8.5
29-30						4.0	2.0		8.0	0.5		8.5			2.5	6.0			4.0				1.0
30-31				4.0		0.5	5.5		8.5	5.0	3.5			6.0	1.5	5.0	4.0						1.0

all times in U.T.

	OR	OX	OX	PV	PV	V364	V364	V375	V380	U	SU	WW	WZ	WZ	XX	ZZ	CW	CW	DK	DL	DV	EG	EK
	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP
MAX	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	11.6	9.6	8.2
MIN	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	12.4	10.6	9.5
DUR	4	5	5	3	3	4	4	5	5	4	4	4	3	3	4	5	5	5	4	5	4	3	6
TOT										2													
			(S)		(S)		(S)							(S)				(S)					
0- 1									6.0		13.0		1.5	6.5						12.5	4.5	7.5	
1- 2		2.0						5.5					7.5	2.5		7.0					8.5	9.5	
2- 3	3.5		6.5			6.5							3.5	8.5			5.5			3.5	12.5	12.0	
3- 4	9.5						1.5				6.0	10.5	9.5	4.5	1.0	10.5						1.0	
4- 5				5.0				4.0	7.5	8.5	3.5		5.5	0.5								3.0	
5- 6					2.5						1.0		1.5	6.5	9.0								5.0
6- 7		1.5						3.5					7.5	2.5				8.0			0.0	7.5	
7- 8	3.0		6.0					3.0	0.5				3.5	8.5					1.0	4.0	9.5	5.0	
8- 9	9.0								9.5			1.0	10.0	4.5							8.0	11.5	
9-10							5.5			8.0			6.0	1.0				1.5			12.0	0.5	
10-11								1.5					2.0	7.0	1.5		10.0		12.5			3.0	
11-12		1.0		5.0				13.0	2.5				8.0	3.0					12.5			5.0	
12-13	2.5		5.5		2.5		7.5		11.0				4.0	9.0	9.5	0.5			12.0			7.0	
13-14	8.5					2.0		0.0			3.5		10.0	5.0			3.5		11.5			9.0	
14-15								11.5		8.0	1.5		6.0	1.0		3.5		12.5	11.5		3.5	11.5	
15-16									4.0				2.0	7.0					11.0	4.5	7.0	0.5	
16-17		0.5				4.0			13.0				8.0	3.0		7.0			10.5		11.0	2.5	1.5
17-18	2.5		5.0					10.5				5.5	4.0	9.0	1.5			6.0	10.5			4.5	
18-19	8.0			5.5									0.0	5.0		10.5			10.0	11.0		7.0	
19-20					3.0	6.0			6.0	7.5	11.0		6.0	1.0	9.5							9.0	
20-21							0.5	9.0					2.5	7.5						2.0		11.0	11.5
21-22													8.5	3.5			8.0				2.5	0.0	
22-23	2.0		4.5								4.0		4.5	9.5							6.5	2.5	
23-24	8.0						2.5	7.5	7.5		1.5		0.5	5.5						10.5	4.5		
24-25										7.0			6.5	1.5	2.0		1.5					6.5	
25-26				5.5									2.5	7.5			10.5					9.0	
26-27					3.0		5.0	6.5	1.0		10.5		8.5	3.5	10.0				7.5			11.0	
27-28	1.5		4.0						9.5				4.5	9.5		0.0			7.0				
28-29	7.5										11.5		0.5	5.5			4.0		6.5	5.5	2.0	2.0	
29-30							7.0	5.0		7.0			6.5	1.5		3.5	12.5		6.5		6.0	4.5	8.0
30-31						1.5			2.5				2.5	7.5					6.0		9.5	6.5	

	GK	SS	TT	TW	TW	TX	RW	RW	RZ	RZ	SS	SS	CC	CC	U	RW	TW	W	W	RV	RV	SX	V
	CEP	CET	CET	CET	CET	CET	COM	COM	COM	COM	COM	COM	COM	COM	CRB	CRB	CRB	CRV	CRV	CRV	CRV	CRV	CRT
MAX	6.9	9.4	10.8	10.4	10.4	10.9	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	8.9	9.5
MIN	7.4	13.0	11.3	11.2	11.2	11.5	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	9.2	10.2
DUR	4	5	3	3	3	4	3	3	3	3	4	4	2	2	5	4	4	4	4	4	4	3	4
TOT		2				1																	
					(S)			(S)		(S)		(S)		(S)				(S)		(S)	(S)		
0- 1	9.5	6.0		3.0						6.0		7.0		5.0		8.5							
1- 2	8.0		5.0	1.5						6.5	8.0		5.0				10.0		9.0	10.0			
2- 3	6.5		4.0	0.5	4.5	2.0	5.0			6.5		9.0		5.0		13.0		8.0			12.0	7.5	7.5
3- 4	5.0	5.5	3.5		3.0					7.0	9.5		4.5						7.5				
4- 5	3.5		3.0		2.0			5.5		7.5							9.0	6.5		9.5			10.0
5- 6	2.0		2.0		0.5	1.0				8.0		6.0				10.5					11.5		
6- 7	0.5	5.0	1.5	3.5							7.0												12.5
7- 8			1.0	2.0								7.5							9.0		9.5		
8- 9			0.0	1.0		0.0					8.5					8.5	11.5		8.5		11.5		
9-10		4.0			3.5		5.0	5.5				9.0						8.0					8.0
10-11					2.5	5.5				5.5						12.5			7.0	9.0			
11-12					1.0		5.5			6.0		6.0					10.5				11.0		10.5
12-13		3.5		4.0	0.0					6.5		6.5											
13-14	12.0			2.5		4.5				7.0		7.5				10.5				8.5			
14-15	10.5			1.5						7.0		8.0					9.0	9.0			11.0		
15-16	9.0	3.0		0.5	4.0					7.5		9.0							8.0				
16-17	7.5				3.0	4.0	5.0		8.0			9.5	5.0			8.0		7.5		8.5			8.5
17-18	6.0				1.5							5.5		5.0					6.5		10.5		
18-19	4.5	2.5		4.5	0.5		5.5				6.0		5.0			12.5	12.0						11.0
19-20	3.0		4.5	3.0		3.0						7.0		4.5						8.0			
20-21	1.5		4.0	2.0						5.5	8.0								9.0		10.5		
21-22		1.5	3.0	1.0						5.5		8.5				10.0	10.5	8.5				7.5	6.5
22-23			2.5		3.5	2.0				6.0	9.5				13.0				8.0	8.0			
23-24			1.5		2.0		5.0			6.5								7.0			10.0		9.0
24-25		1.0	1.0		1.0					7.0		6.0				8.0	9.5						
25-26			0.5	3.5		1.0	5.5			7.0	6.5									7.5			11.5
26-27				2.5						7.5		7.5				12.0					10.0		
27-28		0.5		1.0						8.0	8.0								9.0				
28-29	11.5			0.0	4.0	0.5						9.0					12.0	8.0					7.0
29-30	10.0				2.5						9.5				10.5	10.0			7.5		9.5		
30-31	8.5				1.5	5.5	5.0		5.0		5.5							6.5					9.5

	YY	FZ	Z	RZ	TW	UZ	UZ	AI	BH	TZ	YY	YY	RW	SX	TX	WW	AF	AL	SZ	TT	TU	UX	CC
	DEL	DEL	DRA	DRA	DRA	DRA	DRA	DRA	DRA	ERI	ERI	ERI	GEM	GEM	GEM	GEM	GEM	GEM	HER	HER	HER	HER	HER
MAX	11.0	10.2	10.8	10.0	7.8	9.9	9.9	7.2	8.0	9.8	8.4	8.4	9.6	10.8	10.0	9.8	10.2	9.3	10.2	9.7	10.6	8.9	9.5
MIN	12.0	11.3	13.6	10.9	9.5	10.7	10.7	8.2	8.6	12.6	9.1	9.1	11.6	11.7	11.9	10.5	11.3	10.0	12.0	10.4	13.4	9.8	12.8
DUR	4	3	4	3	5	5	5	4	5	4	3	3	5	5	6	4	4	4	4	4	5	5	4
TOT					1					1			1								1		
								(S)					(S)										
0- 1			9.0	1.0	7.0		9.5		2.5		0.5	4.5	1.0			1.5							
1- 2		0.5								8.0	7.5	3.5				7.5	5.5	3.5	10.5	12.0			
2- 3						0.5					6.5	2.5		1.0			11.5			10.0			
3- 4			2.5	8.0	2.5			10.0			5.5	2.0		9.5	11.5								
4- 5			11.0	10.5							5.0	1.0											
5- 6							6.5				4.0	0.0				0.5		7.5	13.0				
6- 7				2.5							3.0	7.0		3.5	6.5	6.0	5.0						
7- 8			4.0					0.5	9.0		2.0	6.0					11.0						
8- 9			12.5	7.0							1.5	5.0						2.5					
9-10				9.5				10.0		3.5	0.5	4.5			1.5			11.5					
10-11				12.0			4.0				7.5	3.5		5.5					10.5				
11-12			6.0	1.5	12.5				0.5		6.5	2.5				5.0	4.5			13.0			
12-13											5.5	2.0				11.0	10.5	6.5		11.0			
13-14							10.5	0.5			5.0	1.0											
14-15	0.5			8.5	8.0						4.0	0.0	9.0	8.0					13.0			12.0	12.0
15-16			7.5	11.0		1.5		10.0			3.0	7.0						1.0					
16-17				0.5					11.5		2.5	6.0				4.0	4.0	10.5					
17-18				2.5	3.0						1.5	5.5	5.5	2.0	11.5	9.5	9.5						
18-19			0.5			8.0					0.5	4.5		10.5									
19-20	1.0		9.5	7.5				0.0			7.5	3.5						5.5	10.5				
20-21				10.0					2.5		6.5	2.5	2.5		6.5								
21-22				12.5				9.5			5.5	2.0		4.0		2.5	3.0						10.5
22-23			2.5	1.5						4.0	5.0	1.0				8.5	9.0	0.0		11.5			
23-24			11.0				5.0				4.0	0.0			1.5			9.5	12.5				
24-25											3.0	7.0									10.5		
25-26				9.0				0.0			2.5	6.0		6.5									
26-27			4.0	11.5			11.5				1.5	5.5				1.5	2.5	4.5					
27-28			13.0	0.5				9.5	9.0		0.5	4.5				7.5	8.5						
28-29				3.0	8.5	2.5					7.5	3.5		0.0					10.5				
29-30											6.5	3.0		9.0									
30-31			6.0	8.0							6.0	2.0						8.5					

	CT	DI	HS	HS	LT	V728	68	WY	WY	AV	DF	DF	DI	DK	V470	V470	SW	SW	VX	AR	AW	CM	CO
	HER	HER	HER	HER	HER	HER	HER	HYA	HYA	HYA	HYA	HYA	HYA	HYA	HYA	HYA	LAC	LAC	LAC	LAC	LAC	LAC	LAC
MAX	9.9	8.4	8.5	8.5	10.7	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	7.3	10.6	8.5	10.5
MIN	11.2	9.1	9.0	9.0	11.1	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	8.2	11.3	9.5	11.0
DUR	4	6	4	4	4	3	5	3	3	4	4	4	4	4	3	3	3	3	4	6	5	4	5
TOT																				2			
		(S)		(S)					(S)		(S)				(S)		(S)						
0- 1								3.5	12.0			4.5			4.0	8.5	1.0						3.0
1- 2						10.5			5.5	7.5		4.5	5.0		8.5	3.5	0.0	4.0			0.5	1.5	
2- 3						9.0		7.0				4.5	10.5		3.5	8.0		3.0			3.5		
3- 4									9.0	9.0		4.0			8.0	3.0		2.5					5.0
4- 5				12.0				10.5	2.0		8.0	4.0	7.0	4.5	3.0	7.5		1.5					
5- 6								4.0		10.0	7.5	3.5		6.0	7.5	2.5	4.5	0.5					
6- 7									5.5		7.5	3.5		7.0	2.5	7.0	3.5						7.0
7- 8					10.0			7.5		11.5	7.5	3.5	8.5	8.0	7.0	2.0	2.5						
8- 9					12.0				9.0	3.5	7.0	3.0		9.0		6.5	1.5						
9-10						10.5		11.0	2.5	12.5	7.0	3.0	5.0	10.0	6.0		0.5	4.5			0.5	2.0	
10-11						9.5	9.0	4.0		5.0	6.5	2.5	10.5	11.0		6.0		3.5			3.5		
11-12	12.5								6.0		6.5	2.5		12.0	5.5			2.5	1.0				
12-13							10.5	7.5		6.0	6.5	2.5	6.5			5.5		2.0	3.0				
13-14			11.5						9.5		6.0		12.0		5.0		4.5	1.0					
14-15							11.5	11.0	2.5	7.5	6.0					5.0	4.0						0.0
15-16								4.5			5.5		8.5		4.5	9.5	3.0						
16-17							13.0		6.0	8.5	5.5			5.0	9.0	4.5	2.0						
17-18						11.0		8.0			5.5		4.5	6.0	4.0	9.0	1.0	5.0			0.5	2.5	2.0
18-19						9.5			9.5	9.5	5.0		10.0	7.0	8.5	3.5	0.0	4.0			3.5		
19-20								11.5	3.0		5.0			8.0	3.5	8.0		3.0		5.0			
20-21	10.5				10.0			4.5		11.0	4.5		6.5	9.0	8.0	3.0		2.0					4.0
21-22		11.5			12.0				6.5	3.5	4.5		12.0	10.0	3.0	7.5		1.5		4.5			
22-23				12.5				8.0		12.0	4.5			11.0	7.5	2.5	4.0	0.5					
23-24									10.0	4.5	4.0		8.0	12.0	2.5	7.0	3.5			4.0			6.0
24-25								12.0	3.0		4.0				7.0	2.0	2.5						
25-26						11.0		5.0		5.5	4.0	7.5	4.5			6.5	1.5		0.5	3.5	0.5	3.0	
26-27						10.0			7.0		3.5	7.5	10.0		6.5		0.5	4.5	2.0		3.5		
27-28						8.5		8.5		7.0	3.5	7.5				6.0		3.5	4.0	3.0			
28-29									10.5		3.0	7.0	6.5	5.0	5.5			2.5					
29-30	9.0							12.0	3.5	8.0	3.0	7.0	12.0	6.0		5.5		1.5		3.0			
30-31								5.5			3.0	7.0		7.0	5.0		4.5	1.0					

all times in U.T.

	CO	DG	GX	MZ	MZ	Y	UU	UV	VZ	WZ	XY	XZ	AM	RR	SS	RY	UZ	EW	FL	RU	RU	RW	BB
	LAC	LAC	LAC	LAC	LAC	LEO	LEO	LEO	LEO	LEO	LEO	LEO	LEO	LEP	LIB	LYN	LYR	LYR	LYR	MON	MON	MON	MON
MAX	10.5	10.8	10.1	11.2	11.2	9.5	11.4	9.5	10.6	11.3	9.5	10.6	9.2	10.2	10.4	11.9	9.8	11.2	8.7	10.6	10.6	9.1	10.6
MIN	11.0	12.0	10.4	12.1	12.1	12.7	12.7	10.2	11.7	12.0	9.9	11.2	9.8	10.9	11.3	13.3	11.0	13.6	9.5	11.3	11.3	11.9	11.3
DUR	5	4	6	4	4	5	4	3	4	5	2	3	3	4	6	4	5	5	4	5	5	5	4
TOT																						1	
	(S)				(S)																(S)		
0- 1								6.5	9.0		3.5	5.0			10.5								
1- 2		4.0		2.5		9.5	8.0	11.5	11.0			4.5				8.5							
2- 3										11.5	3.5	4.0	5.5										4.0
3- 4						2.0		6.5			6.5	3.0	7.5										
4- 5				6.0				11.5			3.0			6.5		5.5							9.0
5- 6										7.5	6.5			4.5				12.0		9.5			2.5
6- 7						11.0	9.0	6.5			3.0		6.0	2.5			11.5						
7- 8	1.0							11.5			6.0		8.5	0.5		2.5		10.5					7.0
8- 9						3.5				3.0							13.0					11.0	
9-10								6.5	2.5	12.5	6.0	11.5	4.0										
10-11	3.0							11.5	4.5			11.0	6.5		12.0						2.0	8.5	5.5
11-12						12.5	10.0		6.5		5.5	10.0				9.5			11.0				
12-13		4.5			2.5			6.5	8.5	8.5		9.5										6.5	10.0
13-14	5.0					5.0		11.5	11.0		5.5	9.0	5.0										4.0
14-15												8.5	7.0	8.0		6.5	1.0					4.0	
15-16					6.0			6.5		4.0	5.0	8.0		6.0									8.5
16-17	7.0						11.0	11.5				7.5		4.0						3.5		2.0	2.0
17-18			0.5								5.0	6.5	5.5	2.0		3.5					6.5		
18-19						6.5	3.0	6.5				6.0	7.5	0.0									7.0
19-20								11.5		9.0	4.5	5.5											
20-21				1.0								5.0						0.5					
21-22		0.5					12.0	6.5			4.5	4.5	6.0				11.0						5.0
22-23								11.5	4.0	5.0		3.5	8.5										
23-24		5.5		5.0		8.0	4.0		6.5		4.0	3.0			11.0		12.0			7.5			10.0
24-25	0.0							6.5	8.5				4.0			7.5			13.0				3.5
25-26								11.5	10.5		4.0		6.5	8.0									
26-27							13.0		13.0	10.0				6.0									8.5
27-28	2.0							6.5			3.5			3.5		4.5							2.0
28-29						9.0	5.0	11.5			7.0		4.5	1.5									
29-30				12.5						6.0	3.0	11.5	7.0									10.0	6.5
30-31	4.0							6.5			6.5	10.5					1.5						

	BO	EP	U	SX	V501	1010	1010	EF	EF	EQ	ER	ER	ET	FH	FL	FR	FT	FT	FZ	FZ	GU	GU	U
	MON	MON	OPH	OPH	OPH	OPH	OPH	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	PEG
MAX	10.8	10.5	5.8	10.5	10.9	6.2	6.2	12.6	12.6	10.3	9.5	9.5	11.2	10.5	10.5	11.0	9.1	9.1	10.7	10.7	12.6	12.6	9.7
MIN	12.1	11.1	6.5	11.2	11.8	7.0	7.0	14.1	12.8	13.3	10.2	10.2	12.4	11.5	13.2	11.9	9.7	9.7	11.3	11.3	13.5	13.5	10.5
DUR	5	5	5	5	4	4	4	6	6	4	3	3	5	5	3	4	4	4	3	3	4	4	3
TOT	1																						
							(S)		(S)			(S)						(S)		(S)		(S)	
0- 1							13.0				1.0	6.0	2.0		6.5	5.5	11.0		9.0	4.0	8.0	2.5	4.0
1- 2							12.5				7.5	2.5	0.5			3.0			4.0	9.0	6.5	1.0	
2- 3							12.5	7.0			4.0					0.0			9.0	4.0	5.0		1.0
3- 4		2.0					12.0		2.5	8.5	0.5	5.5							4.0	9.0	3.5	9.5	4.0
4- 5		5.5					12.0				7.0	1.5		0.5					9.0	4.0	2.5	8.0	
5- 6	7.0	9.0					12.0			2.5	3.0	8.0							4.0	9.0	1.0	6.5	1.0
6- 7							11.5		8.5		4.5		4.0		10.0				9.0	4.0		5.0	4.0
7- 8			11.0				11.5	4.0			6.0	1.0					7.5		4.0	9.0	9.5	3.5	
8- 9											2.0	7.5		7.5	1.0	4.5			9.0	4.0	8.0	2.5	1.0
9-10												3.5				1.5			4.0	9.0	6.5	1.0	4.0
10-11				11.0				9.5		8.0	5.0								9.0	4.0	5.0		
11-12		3.0							5.0		1.5	6.5			3.5				4.0	9.0	4.0	9.5	1.0
12-13		6.5	11.5	12.5				0.5		2.0	8.0	3.0							9.0	4.0	2.5	8.0	4.0
13-14		10.0									4.0						1.5		4.0	9.0	1.0	6.5	
14-15	4.5										0.5	5.5	8.0		5.5	9.0			9.0	4.0		5.0	1.0
15-16								6.0			7.0	2.0	7.0			6.0		2.5	4.0	9.0	9.5	4.0	4.0
16-17	10.0								1.5		3.5	8.5	6.0			3.5	5.0		9.0	4.0	8.0	2.5	
17-18			12.5							8.0	4.5	4.5		8.0	0.5				4.0	9.0	6.5	1.0	1.0
18-19											6.0	1.0	3.5					6.0	9.0	4.0	5.0		4.0
19-20		4.0							7.5	1.5	2.5	7.5	2.5	2.0			8.5		4.0	9.0	4.0	9.5	
20-21		7.5						2.5			4.0	1.0							9.0	4.0	2.5	8.0	0.5
21-22					13.0						5.0	0.0		5.5				10.0	4.0	9.0	1.0	6.5	3.5
22-23					12.0						1.5	6.5				7.5			9.0	4.0		5.0	
23-24	2.5				11.5			8.5			8.0	3.0		9.0		5.0			4.0	9.0	9.5	4.0	0.5
24-25									4.0	7.5	4.5					2.0			9.0	4.0	8.0	2.5	3.5
25-26	7.5										0.5	6.0		2.5					4.0	9.0	6.5	1.0	
26-27		1.0								1.5	7.0	2.0							9.0	4.0	5.0		0.5
27-28		4.5									9.5		3.5						4.0	9.0	4.0	9.5	3.5
28-29		8.5						5.0				5.0		4.5					9.0	4.0	2.5	8.0	
29-30									0.5		6.5	1.0				9.0			4.0	9.0	1.0	6.5	0.5
30-31											2.5	7.5				6.5			9.0	4.0		5.5	3.5

all times in U.T.

	U	TY	UX	AQ	AQ	BB	BB	BG	BX	BX	DI	GP	KW	KW	Z	RT	RV	ST	XZ	IQ	IQ	IT	IU
	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PER	PER	PER	PER	PER	PER	PER	PER	PER
MAX	9.7	10.5	10.7	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	10.6	7.7	7.7	9.9	10.5
MIN	10.5	12.6	12.0	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	12.7	8.3	7.9	10.5	11.6
DUR	3	6	5	12	12	3	3	4	3	3	2	4	3	3	6	4	8	5	4	5	5	4	5
TOT				4	4			1							2			1					
	(S)			(2)			(S)						(S)								(S)		
0- 1						1.5					1.5						7.0				2.0		
1- 2	2.5				0.5				3.0					2.5		8.5				1.0			
2- 3							1.0			2.5						5.0	6.5					2.0	9.5
3- 4			2.0				3.0		2.0							1.5							6.0
4- 5	2.5					1.0				1.5							6.0		3.0				2.5
5- 6						3.0			1.0		1.0							1.0	6.5		7.5	4.0	
6- 7							0.5		0.5				0.5				5.0		10.0	6.5			
7- 8	2.5	0.5					2.5		0.0							7.5					1.5		
8- 9						0.0						1.5				3.5	4.5			0.5		5.5	9.5
9-10						2.0				2.5						0.0							6.0
10-11	2.5	3.0							2.0		0.5			2.5			4.0	8.5					2.5
11-12							2.0			1.5									0.5			7.0	
12-13				1.0					1.5		4.0						9.5	3.0		4.5		7.0	
13-14	2.5					1.5			1.0							6.0			8.0	6.0			
14-15								0.5								2.5	2.5				1.0	8.5	9.5
15-16							1.5				0.0												6.0
16-17	2.5									3.0								2.0					2.5
17-18						1.0			2.5		3.5		1.0										
18-19										2.0					0.5	8.5	1.5	7.0					
19-20	2.5					1.0			1.5					2.0		4.5				2.0		6.5	
20-21			2.0			3.0				1.0							1.0	0.5		6.0	5.5		9.5
21-22						0.5			0.5				3.0		2.0					9.5		0.5	6.0
22-23	2.0					2.5				0.0	3.0							0.0				0.5	2.5
23-24							0.5																
24-25							2.5	3.0	2.5						3.0	7.0							
25-26	2.0									2.0						3.5						2.5	
26-27						2.0		1.5	2.0				0.5					5.5	0.0		6.0		9.5
27-28									1.5	2.5	4.0				4.5				3.5	5.0			6.0
28-29	2.0					1.5	0.5	1.0			3.5		1.5						7.5			4.0	2.5
29-30									0.5		3.0					9.5			11.0				
30-31						1.5					2.5	2.5			6.0	5.5							

all times in U.T.

	KW	V432	BETA	AE	AE	Y	RV	UZ	UZ	AV	U	RS	AO	CC	CC	Y	RW	RZ	TY	WY	AC	AM	AQ
	PER	PER	PER	PHE	PHE	PSC	PSC	PUP	PUP	PUP	SGE	SER	SER	SER	SER	SEX	TAU	TAU	TAU	TAU	TAU	TAU	TAU
MAX	10.5	11.0	2.2	7.5	7.5	9.0	11.3	9.7	9.7	10.2	6.4	10.8	10.6	11.1	11.1	9.8	8.0	10.5	11.5	11.5	10.5	10.4	12.0
MIN	11.5	11.7	3.5	8.2	8.2	12.0	12.0	10.6	10.3	10.8	9.1	11.5	12.1	11.7	11.7	10.2	12.5	11.2	12.0	11.7	12.3	12.3	12.9
DUR	4	3	8	2	2	7	3	4	4	3	6	4	4	4	4	3	4	3	2	4	6	5	5
TOT											2						1						
				(S)				(S)															
0- 1	3.5	4.5		0.5				4.0		4.5								6.5			5.5		
1- 2	1.5	8.0		2.5					8.5						10.5	8.0	2.0	2.5		5.0		3.5	3.0
2- 3		2.5		0.0					3.5	8.5					11.0	4.5		8.5			6.5		8.5
3- 4		6.0	8.5	2.5			1.5	8.5		5.5		13.0	12.0		12.0			4.0		7.0		4.5	
4- 5		0.5					4.0	3.5					9.5			6.5		0.0			7.5		
5- 6		4.0			2.0		6.5			8.0	9.5							6.0		9.0		5.5	
6- 7		7.5	5.0							3.0	6.5		12.5					2.0		1.5	8.5		
7- 8		2.0		2.0				7.5		3.5				9.0		5.0		8.0		10.5		7.0	5.0
8- 9		5.5					1.0	2.5						9.5				4.0		3.5			10.0
9-10		9.0	2.0		2.0		3.5		7.5	7.5				10.5		7.5	9.5		0.5			8.0	
10-11	9.0	3.5					6.0		2.5	4.5				11.0		3.5		6.0	2.5	5.0			
11-12	7.5	7.0		1.5				7.0					10.0	12.0		10.0		2.0	4.5			9.0	
12-13	6.0	1.5						2.0		8.5					6.0	4.0	7.5	6.5	7.0				1.5
13-14	4.0	5.0			1.5		0.5			6.5	5.5							3.5	8.0		10.0		7.0
14-15	2.5	8.5					3.5									8.5							
15-16	1.0	3.0		1.5			6.0	6.5		9.5				8.5	4.5			5.5					
16-17		6.5								6.5				9.5				1.5		11.0			
17-18		1.0		1.0					6.0	3.5				10.5	7.0			7.5		3.5			
18-19		4.5		3.0			0.5	10.5					11.0					3.5					3.5
19-20		8.5		1.0			3.0	6.0		7.5				12.0	9.5			9.5		5.5			9.0
20-21		2.5		3.0			5.5		10.5	4.5					5.5			5.0					
21-22		6.5			1.0				5.5									1.0		7.0			
22-23		0.5			3.0	1.5		10.0		8.5						8.0		7.0					
23-24		4.5		0.5			0.0	5.0		5.5	12.0			8.5	4.0	5.5	3.0	1.0	9.0				0.5
24-25	8.5	8.0		2.5			2.5		10.0					9.5				9.0	2.5	1.5			5.5
25-26	6.5	2.5			0.5		5.0		5.0	10.0			12.0	10.5		6.5		5.0	4.5	11.0			
26-27	5.0	6.0	7.0		2.5			9.5		6.5			9.0	11.0			0.0	1.0	6.5	3.5			
27-28	3.5	0.5		0.5				4.5		3.5				12.0		9.0		7.0	8.5				
28-29	2.0	4.0		2.5					9.0						5.0			3.0		5.5			
29-30	0.0	7.5	3.5		0.0		2.5		4.0	8.0								8.5					2.5
30-31		2.0			2.0		5.0	9.0		4.5						7.5		4.5		7.5			7.5

	CT	EQ	EQ	HU	V	X	RS	RV	W	W	TX	TY	TY	UX	UX	VV	XZ	ZZ	AF	W	RU	VV	AG	
	TAU	TAU	TAU	TAU	TRI	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMI	UMI	VIR	VIR
MAX	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	12.7	10.1	10.1	9.8	10.8	8.6	10.7	11.7	8.8	
MIN	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	13.8	11.0	11.7	11.2	11.6	9.7	11.4	13.5	9.4	
DUR	5	3	3	6	4	4	4	4	3	3	6	3	3	1	1	3	3	4	8	7	4	4	4	
TOT																								
			(S)							(S)			(S)											
0- 1		4.0	8.0						6.5	0.0	4.0		8.5	4.0		8.0				7.0	4.5		5.5	
1- 2	6.5	4.5	0.5	2.0	3.0				0.5	0.0	4.0			5.5	7.5		6.5	4.0				5.5	12.5	
2- 3		5.0	1.0							0.0	4.0	5.0	3.0	7.0		7.0		9.0				7.0		
3- 4	6.5	5.5	1.5	3.5					7.0	0.0	4.0		4.5		6.5		8.0		7.5		8.0	9.5	10.5	
4- 5		6.0	2.0		1.5				1.0	0.0	4.0		6.0	1.5		6.5	0.5		2.5			9.5		
5- 6	6.5	6.5	2.5	4.5	5.5					0.0	4.0	6.5	7.5	3.0	6.0		9.5			9.5	10.5		9.0	
6- 7		7.5	3.0						7.0	0.0	4.0			4.5		5.5	2.0	1.0	10.0			11.5		
7- 8	7.0	8.0	4.0	6.0					1.5	0.0	4.0		2.0	6.0	5.0		11.0	6.5		2.0	0.5	10.0	7.0	
8- 9		0.5	4.5		3.5					0.0	4.0	8.0	3.5	8.0	9.5	4.5	3.5	12.0				1.5		
9-10	7.0	1.0	5.0	7.5					7.5	0.5	4.5		5.0		4.5	9.0	12.5					2.5	5.5	
10-11		1.5	5.5				6.5	1.5	0.5	4.5		6.5	2.5	8.5	4.0	5.0				12.0	4.0		12.5	
11-12	7.0	2.0	6.0	9.0	2.0					0.5	4.5	9.5	8.0	4.0		8.0			0.0			5.0	10.0	
12-13		2.5	6.5		6.0		4.0	8.0	0.5	4.5			5.5	8.0		6.5	4.0			4.5	6.5		10.5	
13-14	7.0	3.0	7.0					2.0	0.5	4.5			2.5	7.0		7.5		9.0	7.5			7.5		
14-15		3.5	8.0		0.0		2.0		0.5	4.5	11.0	4.0	8.5	7.0		8.0						8.5	9.0	
15-16	7.0	4.5	0.0		4.0					0.5	4.5		5.5			6.5	0.5					10.0	10.5	
16-17		5.0	1.0						2.5	0.5	4.5		7.0	3.0	6.0		9.5					11.0	7.0	
17-18	7.0	5.5	1.5							0.5	4.5	12.5		4.5		6.0	2.0	1.0		7.0	12.0			
18-19		6.0	2.0		2.5					0.5	4.5		2.0	6.0	5.5		11.0	6.5				1.0	5.5	
19-20	7.0	6.5	2.5		6.5				2.5	0.5	4.5		3.5	7.5		5.0	3.5	12.0		2.0		2.0	12.5	
20-21		7.0	3.0							0.5	4.5		5.0		4.5	9.5	12.5		5.0			3.0	8.5	
21-22	7.0	8.0	3.5		0.5	7.0				0.5	4.5		6.5	2.0	9.0	4.0	5.0					4.5	10.5	
22-23		0.0	4.0		5.0	6.5		3.0	0.5	4.5		8.0	3.5	4.0	8.5			12.0		9.5	5.5			
23-24	7.0	0.5	5.0			6.0				0.5	4.5			5.0	8.0		6.5	4.0				7.0	9.0	
24-25		1.5	5.5			5.0				0.5	4.5		2.5	6.5		7.5		9.0		8.0	2.5	8.0	8.5	
25-26	7.0	2.0	6.0		3.0	4.5		3.5	0.5	4.5		4.0	8.0	7.5		8.0						9.0	7.0	
26-27		2.5	6.5			3.5				0.5	4.5		5.5			7.0	0.5					10.5		
27-28	7.0	3.0	7.0			3.0				0.5	4.5		7.0	3.0	6.5		9.5		2.5	12.0	11.5		5.5	
28-29		3.5	7.5		1.0	2.5		4.0	0.5	4.5				4.5		6.0	2.0	1.0				0.0	9.0	12.0
29-30	7.0	4.0	0.0		5.5	1.5				0.5	4.5			6.0	5.5		11.0	6.5	9.5	5.0	1.5			
30-31		5.0	0.5			1.0				0.5	4.5		3.0	7.5		5.5	3.5	12.0				2.5	10.5	

