

MAS Eclipsing Binary Ephemeris for December 2026

all times in U.T.

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	RT	TW	UU	WZ	XZ	AB	AB	AD	AD	BD	BX	DS	QX	QX	CX	CZ	EK	EK	XZ	KO	OO	OO	V343
	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AQR	AQR	AQR	AQR	AQL	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	10.7	10.3	10.8	10.8	9.3	8.3	9.2	9.2	10.6
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	12.0	11.2	11.3	11.3	11.2	9.3	10.1	10.1	12.3
DUR	3	11	8	4	3	3	3	4	4	3	4	4	3	3	3	3	3	3	7	5	3	3	4
TOT		2																					
							(S)		(S)			(S)		(S)			(S)			(S)			
0- 1	7.0			0.5	9.0		3.5	5.5		3.0	2.0	1.5	6.0	1.5	4.0			1.0					
1- 2			3.5			7.0	3.0	5.0		1.0	7.5	2.0	2.0	7.0									
2- 3	4.5			2.5		7.0	3.0	5.0				2.0	7.5	3.0			4.5						
3- 4					2.0	7.0	3.0	4.5			3.0	2.5	3.5	8.5				2.5				0.0	
4- 5	1.5		2.5	4.5		7.0	3.0	4.0		7.0	8.5	2.5	9.0	4.0	1.0	3.5	0.5					0.5	
5- 6	8.0					7.0	3.0	4.0		5.0		3.0	5.0	0.0	4.0	0.5						1.0	2.5
6- 7				6.5		6.5	2.5	3.5		3.5	4.5	3.0	0.5	5.5				4.0				1.0	
7- 8	5.0		2.0		4.0	6.5	2.5	3.0		1.5	9.5	3.5	6.5	1.5			2.0					1.5	
8- 9				9.0		6.5	2.5	3.0			0.5	3.5	2.0	7.0				0.0				2.0	
9-10	2.5			1.5		6.5	2.5	2.5			5.5	4.0	8.0	3.0	1.5							2.0	
10-11	8.5		1.5			6.5	2.5	2.0		7.5		4.0	3.5	8.5	4.0		3.5						
11-12				3.5	5.5	6.0	2.0	2.0		5.5	1.5	4.5	9.5	4.5		1.0		1.5					
12-13	6.0					6.0	2.0	1.5		3.5	7.0	4.5	5.0	0.0									
13-14			0.5	5.5		6.0	2.0	1.0		2.0		5.0	1.0	6.0									
14-15	3.0					6.0	2.0	1.0		0.0	3.0	5.0	6.5	1.5	1.5			3.0					
15-16				7.5	7.5	5.5	1.5	0.5			8.0	5.5	2.5	7.5	4.0		1.5						
16-17	0.5		0.0	0.5		5.5	1.5	0.0		7.5		5.5	8.0	3.0					1.5				
17-18	6.5					5.5	1.5			6.0	4.0	6.0	4.0	9.0		2.0		4.5					
18-19				2.5	0.5	5.5	1.5			4.0	9.5	6.0	9.5	4.5			3.0						0.0
19-20	4.0	3.0			9.0	5.5	1.5			2.5		6.5	5.5	0.5	1.5			1.0					
20-21				4.5		5.0	1.0			0.5	5.0	6.5	1.0	6.0	4.0								
21-22	1.0					5.0	1.0					7.0	7.0	2.0			4.5						
22-23	7.5			6.5	2.0	5.0	1.0			8.0	1.0	7.0	2.5	7.5				2.5		1.0	0.5		
23-24		6.0				5.0	1.0			6.5	6.5	7.5	8.0	3.5		3.0	0.5				0.5		
24-25	4.5			9.0		5.0	1.0			4.5		7.5	4.0	9.0	1.5						1.0		
25-26				1.5		4.5	0.5			3.0	2.5	8.0	9.5	4.5	4.0			4.0			1.5		
26-27	2.0				4.0	4.5	0.5		8.5	1.0	7.5	8.0	5.5	0.5			2.0				1.5		
27-28	8.0			3.5		4.5	0.5		8.5			8.5	1.0	6.0				0.0			2.0		
28-29						4.5	0.5		8.0		3.5	8.5	7.0	2.0									
29-30	5.5			5.5		4.5	0.5		7.5	7.0	9.0	9.0	2.5	7.5	1.5	4.0	3.5						2.0
30-31					5.5	4.0	0.0		7.5	5.0		9.0	8.5	3.5	4.5	0.5		1.5					

	V346	RX	SS	SS	RY	SX	TT	WW	WW	AP	AP	AR	AR	CL	EM	EP	HP	HP	IM	V459	V459	SS	SS
	AQL	ARI	ARI	ARI	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	BOO	BOO
MAX	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	7.7	7.7	10.3	10.3
MIN	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	8.1	8.1	11.0	11.0
DUR	4	4	3	3	6	4	5	5	5	4	4	5	5	4	4	3	3	3	4	4	4	18	18
TOT																						6	6
				(S)				(S)		(S)		(S)		(S)			(S)		(S)		(S)	(2)	
0- 1		6.5	6.5	2.0				12.0	11.5	4.5						4.5				5.5			
1- 2		7.0	2.0	7.0						1.0	8.0					9.0	7.0			7.0			
2- 3		7.5	7.5	2.5			1.5			4.5	11.5			1.0					4.0	8.5			
3- 4		8.5	3.0	8.0		5.0	9.5			8.0		0.5		7.0		3.5		10.0	9.5	10.0			
4- 5		9.0	8.0	3.5		10.0		6.5		11.0	4.5			13.0		7.5	3.0			11.5			
5- 6			3.5	8.5							7.5		2.0			12.0					0.5		
6- 7	0.0		9.0	4.0	7.5		1.5			4.0	11.0				10.0	2.5		6.5			2.0		
7- 8	2.5		4.5	9.0			9.5			7.5		3.5		0.5		6.5			3.5		3.5		
8- 9				4.5		1.0		1.5	11.0	4.0				6.5	6.0	11.0	9.5		9.5		5.0		
9-10			5.0	0.0	1.0	6.0		8.0			7.5		5.5	12.0		1.0		2.5			6.5	9.5	12.5
10-11			0.5	5.5		11.0	1.5			4.0	10.5				1.5	5.5		13.0			8.0		
11-12			6.0	1.0			9.5			7.0		7.0				10.0	6.0				9.5		
12-13			1.5	6.0						10.5	3.5								3.5		11.0		
13-14			6.5	1.5				3.0			7.0		8.5	6.0		4.5		9.0	9.0		12.5		
14-15			2.0	7.0	11.5	2.0	1.5	9.0		3.5	10.5			11.5		9.0	2.0			1.5			
15-16			7.0	2.5		7.0	9.5			7.0		10.0			12.5		12.5				3.0		
16-17			2.5	7.5		12.0				10.0	3.5					3.5		5.5			4.5		
17-18	1.5		8.0	3.0	5.0						6.5		12.0		8.5	8.0			3.0	6.0			
18-19			3.5	8.5			1.5		4.0	3.0	10.0			5.5		12.0	8.5		9.0	7.5			
19-20			8.5	4.0			9.5	10.5		6.5				11.0	4.0	2.5		1.5			9.0		
20-21			4.0	9.0		3.5				10.0	3.0					6.5		12.0			10.5		
21-22				4.5		8.5					6.5					11.0	5.0				12.0		
22-23			5.0				1.5			3.0	9.5					1.0			2.5		0.5		
23-24			0.5	5.0			9.0		5.5	6.0	13.0			5.0		5.5		8.0	8.5		2.0		
24-25			5.5	0.5				11.5		9.5	2.5			10.5		10.0	1.0				3.5		
25-26			1.0	6.0	9.5					13.0	6.0						11.5				5.0		
26-27		0.0	6.5	1.5		4.5	1.0			2.5	9.5				11.0	4.5		4.5			6.5		
27-28	0.5	1.0	2.0	6.5		9.5	9.0			6.0	12.5					9.0			2.5		8.0		
28-29		1.5	7.0	2.0	2.5				6.5	9.0	2.5			4.0	7.0		7.5		8.5		9.5		
29-30		2.0	2.5	7.5				12.5		12.5	5.5			10.0		3.5		0.5			11.0		
30-31		3.0	7.5	3.0			1.0			2.0	9.0				2.5	8.0		11.0			12.5		

	UW	AD	AD	BW	BW	44	Y	SV	AL	AN	CD	CD	R	RT	SX	TU	TZ	TZ	UU	XZ	YY	AC	AK
	BOO	BOO	BOO	BOO	BOO	BOO	CAM	CAM	CAM	CAM	CAM	CAM	CMA	CMA	CMA	CMA	CMA	CMA	CMA	CMI	CMI	CMI	CMI
MAX	10.4	9.8	9.8	7.1	7.1	4.7	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	9.7	8.5	11.0	10.1
MIN	11.4	10.4	10.2	7.5	7.5	4.8	12.4	9.4	11.3	10.5	11.8	11.8	6.8	12.9	11.4	10.7	10.5	10.5	12.5	10.2	9.1	11.5	11.5
DUR	3	4	4	5	5	3	6	3	5	8	5	5	4	5	4	4	4	4	5	3	4	3	4
TOT																							
			(S)		(S)	(S)						(S)						(S)					
0- 1								12.5	9.5			7.0					8.0					10.0	
1- 2								2.5				1.0	10.5	5.5						4.5		7.0	5.5
2- 3								7.0				4.5				5.0		7.0	7.5	8.5		3.5	9.0
3- 4								11.5	1.0			8.0				8.0				12.0	5.5		12.0
4- 5								2.0	9.0			2.5	11.5	6.0	6.0				11.5		8.0		
5- 6					13.0			6.5				6.0	9.0							6.0	10.0		5.0
6- 7			9.5					11.0				9.5	0.5	9.5						9.5	12.5	11.5	8.0
7- 8	10.0			11.5				1.0	1.0			4.0	13.0		12.0							8.5	11.0
8- 9			11.0					5.5	8.5			7.5										5.5	
9-10	12.0					0.0	6.0	10.0				11.0	1.5							7.0			4.0
10-11			12.5					0.5		9.5	5.0			6.5						11.0			7.0
11-12								4.5	0.5			8.5				5.5							10.0
12-13								9.0	8.5			12.0	3.0	5.0	8.5	9.0				4.5			
13-14												6.5	8.0							8.5		10.0	
14-15								4.0				1.0	10.0	11.5	4.0					12.0	4.0	7.0	6.0
15-16					13.0			8.5	0.0			4.5		11.0					7.5		6.5	4.0	9.0
16-17								13.0	8.0			8.0								5.5	8.5		12.5
17-18				11.5				3.0				2.5	11.5		5.5				11.5	9.5	11.0		
18-19								7.5				6.0											5.0
19-20						4.0	12.0					9.5	0.0	8.0			10.5					12.0	8.5
20-21								2.0	7.5			3.5	13.0		11.5	6.5				7.0		8.5	11.5
21-22								6.5				7.0	7.0			9.5		9.5		10.5		5.5	
22-23						11.0	11.0					10.5	1.5	10.0									4.0
23-24								1.5				5.0		5.0			6.5			4.5			7.5
24-25								6.0	7.0			8.5								8.0			10.5
25-26					13.0			10.5				12.0	3.0		8.5		5.5		12.0				
26-27								0.5				6.5									5.0	10.5	3.5
27-28				11.5				5.0				0.5	10.0							5.5	7.0	7.0	6.5
28-29								9.5	7.0			4.0		9.5				7.5	9.5	9.5	4.0	9.5	
29-30						2.0						7.5	5.5			7.0				11.5		13.0	
30-31	7.0							4.0				2.0	11.0	9.0		5.5	10.0		11.5				

	AM	AM	TY	RZ	TV	TW	ZZ	AB	CW	CW	DZ	GT	IR	IS	IT	MM	OR	OX	OX	PV	PV	V364	V364
	CMI	CMI	CAP	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
MAX	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	11.3	11.4	10.1	10.1	10.0	10.0	11.2	11.2
MIN	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	11.9	12.4	10.9	10.9	10.6	10.6	11.7	11.7
DUR	5	6	4	4	4	5	4	4	3	3	4	5	4	5	5	5	4	5	5	3	3	4	4
TOT																							
	(S)									(S)									(S)		(S)		(S)
0- 1							7.5		6.0	2.0			3.0			4.5					5.0	1.0	
1- 2						0.0		1.5	5.0	1.0				3.0		8.0				1.5			
2- 3				4.5	10.5			10.0	4.0	0.0	6.5	2.0	4.0										8.5
3- 4	3.5			9.5					3.0	6.5	1.5						6.0	3.5				3.0	
4- 5	4.0				7.0		1.0		2.0	5.5			5.0				11.5		8.0				
5- 6	4.5					7.0	7.0	4.0	0.5	4.5		1.5											
6- 7	5.0				2.5		12.5	12.5	7.5	3.5	5.0		6.0							7.5		5.0	
7- 8	5.5								6.5	2.5						3.0					5.0		
8- 9	5.5		4.0			3.5			5.0	1.5		1.5	7.0			7.0	5.5	3.0		1.5			
9-10	6.0		9.0				0.5	6.0	4.0	0.5	8.0						11.5		7.5			7.0	
10-11	6.5						6.0		3.0	7.0	3.0		8.0	8.0									1.5
11-12	7.0					0.0	12.0		2.0	6.0		1.0	0.5										
12-13	7.5					10.5			1.0	5.0				4.5								9.0	
13-14	8.0				8.5			8.5	0.0	4.0	6.5		1.5				5.0	2.5		7.5			4.0
14-15	8.5	1.0	3.5						6.5	3.0	1.0	1.0		0.5		2.0	11.0		7.0		5.0		
15-16	9.0		8.0	4.0	7.0	5.5			5.5	2.0			2.5			6.0				1.5			
16-17	9.5		13.0				11.5	2.5	4.5	0.5	9.5					9.5							6.0
17-18	10.0							11.0	3.5	7.5	4.5	0.5	3.5									0.5	
18-19	10.5					3.5			2.5	6.5							4.5	1.5					
19-20	11.0								1.5	5.0			4.5				10.5		6.0				8.0
20-21	11.0		3.0				5.0	4.5	0.5	4.0	8.0	0.5								7.5		2.5	
21-22	11.5		7.5			0.0	11.0		7.0	3.0	3.0		5.5	9.5	8.5	1.0					5.0		
22-23	12.0		12.5	10.0	10.5				6.0	2.0						4.5				1.5			10.0
23-24	12.5								5.0	1.0		0.0	6.5	5.5		8.5	4.0	1.0				4.5	
24-25					5.5			7.0	4.0	0.0	6.0						10.0		5.5				
25-26						7.0	4.5		3.0	6.5	1.0		7.5	2.0	6.0								
26-27				2.5	1.0		10.0		2.0	5.5												6.5	
27-28				7.0				0.5	0.5	4.5	9.5		8.5							7.5			1.0
28-29			11.5			3.5		9.5	7.5	3.5	4.5		0.5				4.0	0.5			5.0		
29-30									6.5	2.5					3.5	3.5	9.5		5.0	1.5		8.5	
30-31	3.5						3.5		5.5	1.5			1.5			7.5		12.5					3.0

	V375	V380	U	SU	WW	WZ	WZ	XX	ZZ	CW	CW	DK	DL	DV	EG	EK	GK	SS	TT	TW	TW	TX	RZ
	CAS	CAS	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CET	CET	CET	CET	CET	COM
MAX	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	6.9	9.4	10.8	10.4	10.4	10.9	10.0
MIN	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	7.4	13.0	11.3	11.2	11.2	11.5	10.7
DUR	5	5	4	4	4	3	3	4	5	5	5	4	5	4	3	6	4	5	3	3	3	4	3
TOT			2															2				1	
							(S)				(S)										(S)		
0- 1	5.0	3.0		1.5		0.0	5.0								4.0				2.0	2.0	5.5		
1- 2		12.0				6.0	1.0		10.0	4.5					6.0		13.0		1.5	0.5	4.5		
2- 3						2.0	7.0							0.0	8.0		11.5	7.5	0.5		3.5	5.0	
3- 4	4.0					8.5	3.5	7.0						4.0	10.5		10.0			6.0	2.0		
4- 5		5.0	10.0			4.5	9.5					0.5	8.0	12.5		8.5				5.0	1.0		
5- 6					7.0	0.5	5.5			7.0			12.0	1.5	7.0	7.0	7.0			3.5		4.0	
6- 7	2.5					6.5	1.5								3.5		5.5			2.5	6.0		
7- 8				6.5		2.5	7.5					7.0			6.0		4.0			1.0	5.0		7.0
8- 9		6.5		4.0		8.5	3.5			0.5					8.0		2.5	6.5		0.0	4.0	3.0	7.5
9-10	1.5		10.0	1.5		4.5	9.5			9.0					10.0		0.5				2.5		8.0
10-11	13.0					0.5	5.5	7.0						3.5	12.5				7.0	5.5	1.5		
11-12						6.5	1.5							7.0	1.5		5.5		6.0	4.0	0.5	2.0	
12-13	0.0	8.5				2.5	7.5		3.0	2.5			4.5	11.0	3.5				5.5	3.0			
13-14	11.5					8.5	3.5				11.5				5.5				5.0	1.5	5.5	7.5	
14-15			9.5		12.0	4.5	9.5		6.5						8.0	3.5		5.0	4.0	0.5	4.5	1.5	
15-16		1.5				1.0	6.0								10.0				3.5		3.0		
16-17	10.0	10.0		6.5		7.0	2.0		10.0		5.0				12.0		12.5		3.0	6.0	2.0	6.5	
17-18				4.5		3.0	8.0	7.5				1.5	2.5	1.0		11.0	4.5	2.0	4.5	1.0	0.5		
18-19				2.0		9.0	4.0							6.5	3.5		9.5		1.5	3.5			
19-20	9.0	3.0	9.0		2.5	5.0	10.0							10.5	5.5		8.0		1.0	2.0	6.0	6.0	
20-21		12.0				1.0	6.0			7.0			8.0		7.5		6.5	4.0	0.0	1.0	5.0		
21-22						7.0	2.0								9.5		5.0				3.5		
22-23	7.5					3.0	8.0								12.0		3.5			6.0	2.5	5.0	
23-24		5.0				9.0	4.0			0.5					1.0		2.0	3.0		5.0	1.0		
24-25			9.0			5.0	0.0	7.5			9.5			2.0	3.0		0.0			4.0	0.0		
25-26	6.5			7.0		1.0	6.0					13.0	5.5	6.0	5.0					2.5		4.0	
26-27				4.5		7.5	2.5						12.5	10.0	7.5		2.5			1.5	5.5		
27-28		6.5		2.5		3.5	8.5		3.0	3.0	12.5				9.5	10.0			7.0	0.5	4.0		
28-29	5.0				7.0	9.5	4.5			11.5		12.0			11.5				6.5		3.0	3.0	
29-30			8.5			5.5	0.5		6.5						0.5		2.0	6.0	5.5	1.5			7.0
30-31						1.5	6.5						3.0		3.0				5.0	4.5	0.5		7.5

MAS Eclipsing Binary Ephemeris for December 2026

all times in U.T.

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	RZ	SS	SS	U	RW	TW	W	W	RV	RV	V	SW	WW	ZZ	AE	BR	CG	DK	KR	KV	V346	V387	V388
	COM	COM	COM	CRB	CRB	CRB	CRV	CRV	CRV	CRV	CRT	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG
MAX	10.0	10.9	10.9	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	9.2	11.5	11.8	11.5	9.7
MIN	10.7	11.5	11.5	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	10.0	12.6	13.6	12.3	10.3
DUR	3	4	4	5	4	4	4	4	4	4	4	5	5	4	4	4	3	4	4	5	5	3	3
TOT												2											
	(S)		(S)					(S)		(S)													
0- 1					12.0						9.0						4.0	3.5					
1- 2									10.0									2.5				1.5	
2- 3			8.0			12.0				12.5	11.5			2.5			1.5	1.0					
3- 4		9.0			10.0											4.5			1.5				1.5
4- 5			9.5						10.0				1.5										
5- 6						10.5		9.5		12.0											1.5		
6- 7							8.5													2.0		4.5	
7- 8									9.5		9.5			3.5		4.5	2.5	5.0					
8- 9		7.5			12.0					12.0								4.0	3.0			2.5	
9-10			8.5								12.0			0.5			0.0	2.5					2.0
10-11		9.5										0.5						1.0				1.0	
11-12										11.5						4.0							
12-13					12.0			9.0						4.0			4.0						
13-14																							
14-15										11.0	10.0		0.5	1.0			1.0		1.0				
15-16		8.0				10.5										4.0		5.0				4.0	2.5
16-17			9.0	12.0	11.5						12.5							4.0			1.0		
17-18		9.5								11.0				4.5				2.5				2.0	
18-19	7.0																	1.0					
19-20	7.5							8.5				4.0		2.0		4.0	2.5		3.0			0.0	
20-21	8.0									10.5													
21-22			8.0								10.5												2.5
22-23		8.5				12.5																5.0	
23-24			9.5	9.5						10.5						4.0		5.5		3.0			
24-25					11.5									2.5	4.5		3.5	4.0				3.0	
25-26						11.0	9.0								3.5			2.5	1.0				
26-27										10.0	8.5				3.0		1.0	1.0				1.0	
27-28		7.5													2.0	4.0					0.5		3.0
28-29			8.5								11.0				1.5								
29-30		9.0								10.0				3.5	0.5		4.5						
30-31			10.0																2.5				

	V401	V456	V466	V466	V477	V477	V548	V704	1034	TT	TY	YY	FZ	Z	RZ	TW	UZ	UZ	AI	BH	S	TZ	YY
	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA	DRA	DRA	EQU	ERI	ERI
MAX	10.8	10.8	10.8	10.8	8.3	8.3	8.9	13.8	9.6	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	8.4
MIN	11.6	11.9	11.6	11.6	9.2	8.7	9.7	14.6	10.6	12.5	10.8	12.0	11.3	13.6	10.9	9.5	10.7	10.7	8.2	8.6	10.0	12.6	9.1
DUR	4	3	4	4	4	4	5	4	4	5	4	4	3	4	3	5	5	5	4	5	5	4	3
TOT																1						1	
				(S)		(S)												(S)					
0- 1											1.5			7.5	10.0	7.0				11.5			1.5
1- 2								1.5		1.0					12.5				12.0				0.5
2- 3								4.5				0.5			1.5			7.5					7.5
3- 4					1.5								0.5	0.5	4.0	2.5					1.5		6.5
4- 5														9.5						3.0			5.5
5- 6	1.5	3.5					1.5	1.0											2.0				5.0
6- 7		1.0	2.0			3.0		4.5			0.5				11.5							3.0	4.0
7- 8														2.5	0.5		4.5		12.0				3.0
8- 9														11.0	3.0								2.0
9-10								1.0															1.5
10-11					2.5		11.5	4.5					1.5				11.0						0.5
11-12														4.0	10.5	12.5			2.0			8.0	7.5
12-13	1.5													12.5	13.0			2.0					6.5
13-14		4.0	1.0					1.0				2.5			2.0				11.5	5.0			5.5
14-15		1.0					2.5	4.5							4.5	8.0							5.0
15-16				3.0										6.0				8.5		0.5			4.0
16-17															9.5								3.0
17-18					3.5			1.0				2.0	3.0		12.0	3.0			2.0				2.5
18-19								4.0							1.0								1.5
19-20	1.0						12.5				3.0			7.5	3.5				11.5			3.5	0.5
20-21								3.5									6.0			11.5			7.5
21-22		4.5						0.5	3.0			1.0	1.0										6.5
22-23		1.5		2.0				4.0	2.5					1.0	11.0								5.5
23-24							3.0		2.0					9.5	0.0		12.0		2.0				5.0
24-25								1.5	0.5						2.5					2.5		9.0	4.0
25-26								0.5	1.0		2.0	0.5			5.0			3.0	11.5				3.0
26-27	1.0							4.0	0.0					2.5									2.5
27-28														11.0	10.0						2.5		1.5
28-29							13.0						2.0		12.5	8.5		9.5					0.5
29-30				1.0				0.5							1.5				1.5				7.5
30-31	3.0	2.0						4.0						4.5	4.0		0.5						6.5

	YY	RW	SX	TX	WW	AF	AL	SZ	TT	TU	CC	CT	DI	HS	HS	V728	68	WY	WY	AV	DF	DF	DI
	ERI	GEM	GEM	GEM	GEM	GEM	GEM	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER	HYA	HYA	HYA	HYA	HYA
MAX	8.4	9.6	10.8	10.0	9.8	10.2	9.3	10.2	9.7	10.6	9.5	9.9	8.4	8.5	8.5	10.9	4.7	10.3	10.3	10.2	11.0	11.0	11.0
MIN	9.1	11.6	11.7	11.9	10.5	11.3	10.0	12.0	10.4	13.4	12.8	11.2	9.1	9.0	9.0	11.5	5.4	11.1	11.1	10.6	11.5	11.5	12.0
DUR	3	5	5	6	4	4	4	4	4	5	4	4	6	4	4	3	5	3	3	4	4	4	4
TOT		1								1													
	(S)												(S)		(S)				(S)		(S)		
0- 1	5.0		4.5		6.5	12.0												12.5	4.0		6.5		9.5
1- 2	4.5	7.5			12.5					0.5								5.5		12.0	6.5		
2- 3	3.5						11.0	1.0						1.0		1.5	12.0		7.5		6.5		5.5
3- 4	2.5															11.0		9.5			6.0		11.0
4- 5	2.0	4.0	7.0			5.5		12.0											11.0	5.5	6.0		
5- 6	1.0			11.5	5.5	11.5	5.5											13.0	4.5		5.5		7.5
6- 7					11.5					12.0								6.0		7.0	5.5		13.0
7- 8	7.0	1.0																	8.0		5.5		
8- 9	6.0		9.5	6.5														9.5		8.0	5.0		9.0
9-10	5.0					5.0	10.0		13.0										11.5		5.0		
10-11	4.5				4.5	10.5										1.5			4.5	9.5	4.5		
11-12	3.5		3.0		10.0			1.0								0.0		6.5			4.5		11.0
12-13	2.5		12.0				4.5												8.0	10.5	4.5		
13-14	2.0							12.0										10.0					7.0
14-15	1.0					4.0													11.5	11.5		8.0	12.5
15-16			5.5		3.0	10.0													5.0			7.5	
16-17	7.0				9.0		9.0								0.0			6.5		13.0	7.5	9.0	
17-18	6.0																		8.5	5.5		7.5	
18-19	5.5	12.0																10.0				7.0	
19-20	4.5		8.0	11.5		3.5	3.5									0.5			12.0	6.5		7.0	10.5
20-21	3.5				2.0	9.5	13.0	1.0				12.0		1.5					5.0			6.5	
21-22	2.5	9.0			7.5													7.0		7.5	6.5	7.0	
22-23	2.0		1.5	6.5				12.0											8.5			6.5	12.5
23-24	1.0		10.0				8.0										0.0	10.5		9.0	6.0		
24-25		5.5				3.0													12.0			6.0	8.5
25-26	7.0				1.0	9.0							2.0						5.5	10.0		5.5	
26-27	6.0		4.0		6.5		2.5											7.0				5.5	
27-28	5.5	2.5	12.5		12.5		12.0									1.0				9.0	11.5	5.5	10.5
28-29	4.5															10.5		10.5				5.0	
29-30	3.5					2.5		1.0										4.0	12.5	12.5	5.0	6.5	
30-31	3.0		6.0			8.0	6.5		12.5	11.5									5.5		4.5	12.0	

	DK	V470	V470	SW	SW	VX	AR	AW	CM	CO	CO	DG	GX	MZ	MZ	Y	UU	UV	VZ	WZ	XY	XZ	AM
	HYA	HYA	HYA	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LEO	LEO	LEO	LEO	LEO	LEO	LEO	LEO
MAX	10.5	13.0	13.0	9.2	9.2	10.9	7.3	10.6	8.5	10.5	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
MIN	11.0	13.5	13.5	10.0	10.0	12.3	8.2	11.3	9.5	11.0	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
DUR	4	3	3	3	3	4	6	5	4	5	5	4	6	4	4	5	4	3	4	5	2	3	3
TOT							2																
			(S)		(S)						(S)				(S)								
0- 1		6.5		5.5	1.5							8.0			7.0			12.5			6.5	7.5	
1- 2			6.5	4.5	1.0											6.0						7.0	
2- 3		6.0		3.5						7.5								7.5		5.5	6.0	6.5	
3- 4			5.5	3.0	6.5		0.5				1.5						7.0	12.5				5.5	7.0
4- 5		5.5		2.0	5.5		3.5	1.0											6.0		6.0	5.0	
5- 6			5.0	1.0	5.0		7.0							2.0				7.5	8.0				
6- 7	7.5	5.0		0.0	4.0						3.5					7.5		12.5	10.5	11.0	5.5		
7- 8	8.5	9.5	4.5	7.0	3.0				6.0				3.5						12.5				7.5
8- 9	9.5	4.5	9.0	6.0	2.0									6.0			8.0	7.5			5.0		
9-10	10.5	9.0	4.0	5.0	1.0	1.5					5.5	4.0						12.5		6.5			
10-11	11.5		8.5	4.0	0.5	3.5				1.0											5.0		
11-12		8.5		3.0		5.5		0.5								8.5		7.5					8.5
12-13			8.0	2.5	6.0		3.5	1.5			8.0							12.5					
13-14		7.5		1.5	5.0		7.0			3.0							9.0			12.0		11.5	
14-15			7.5	0.5	4.5													7.5				11.0	6.5
15-16		7.0			3.5													12.5				10.5	
16-17			7.0	6.5	2.5					5.0					2.0	10.0			5.5	7.5		9.5	
17-18		6.5		5.5	1.5													7.5	8.0			9.0	
18-19	7.5		6.5	4.5	0.5												10.0	12.5	10.0			8.5	7.0
19-20	8.5	6.0		3.5			0.5			7.0					5.5				12.0			8.0	
20-21	9.5		6.0	2.5	6.5		3.5	2.5			1.0	4.5						7.5		13.0		7.5	
21-22	11.0	5.5		2.0	5.5		7.0									11.5		12.5				7.0	
22-23	12.0		5.0	1.0	5.0					9.0												6.0	7.5
23-24		5.0		0.0	4.0	1.0					3.0					4.0	11.0	7.5		8.5	6.5	5.5	
24-25		9.5	4.5	7.0	3.0	2.5								1.0				12.5				5.0	
25-26		4.5	9.0	6.0	2.0	4.5															6.5		
26-27		9.0	4.0	5.0	1.0	6.5					5.0		5.0			13.0		7.5					8.0
27-28			8.5	4.0	0.0			0.5						5.0				12.5			6.0		
28-29		8.5		3.0				3.5	3.0							5.5	11.5		5.5				
29-30	6.5		8.0	2.0	6.0			7.0			7.0	0.5						8.0	7.5		6.0		6.5
30-31	7.5	8.0		1.5	5.0		6.5			2.0								12.5	9.5	9.5			9.0

	RR	DELT	RY	UZ	EW	FL	RU	RU	RW	AT	BB	BO	EP	SX	V501	V508	V839	EF	EF	EQ	ER	ER	ET
	LEP	LIB	LYN	LYR	LYR	LYR	MON	MON	MON	MON	MON	MON	MON	OPH	OPH	OPH	OPH	ORI	ORI	ORI	ORI	ORI	ORI
MAX	10.2	4.8	11.9	9.8	11.2	8.7	10.6	10.6	9.1	10.6	10.6	10.8	10.5	10.5	10.9	10.1	8.8	12.6	12.6	10.3	9.5	9.5	11.2
MIN	10.9	5.9	13.3	11.0	13.6	9.5	11.3	11.3	11.9	11.4	11.3	12.1	11.1	11.2	11.8	10.7	9.4	14.1	12.8	13.3	10.2	10.2	12.4
DUR	4	7	4	5	5	4	5	5	5	5	4	5	5	5	4	3	3	6	6	4	3	3	5
TOT									1			1											
									(S)										(S)			(S)	
0- 1			6.5						9.5									7.0			2.5	8.0	
1- 2		11.5					4.5			7.0									2.5	2.5	9.0	4.0	
2- 3						0.0		7.0	7.0		6.5						0.0				5.5		
3- 4			3.5							8.0			4.5					12.5			2.0	7.0	
4- 5	9.5								5.0		11.5		8.0	12.5					8.0		8.5	3.5	
5- 6	7.5									8.5	5.0		11.5		0.5	0.0		3.5			4.5	10.0	
6- 7	5.5								2.5											8.5		6.0	
7- 8	3.5		10.5							9.0	10.0	7.5									7.5	2.5	
8- 9							8.5				3.5							9.0		2.0	4.0	9.0	10.0
9-10				3.0				11.0		10.0		13.0							4.5			5.0	8.5
10-11			7.5								8.0										6.5	1.5	7.5
11-12				0.5						10.5			5.0				0.0				3.0	8.0	6.5
12-13					12.5								9.0						10.5		9.5	4.5	5.0
13-14			4.5							11.0	6.5		12.5					6.0		8.0	6.0		4.0
14-15																			1.5		2.0	7.0	3.0
15-16	9.0					2.0				12.0	11.0									2.0	8.5	3.5	1.5
16-17	7.0										5.0	5.0					11.5				5.0	10.0	
17-18	5.0		12.0							12.5									7.0			6.5	
18-19	3.0										9.5	10.5						2.5			7.5	2.5	
19-20									11.0				6.0								4.0	9.0	
20-21			8.5					5.0					9.5						12.5	7.5		5.5	
21-22									8.5		8.0							8.0			7.0	2.0	
22-23																			3.5	1.5	3.0	8.0	
23-24			5.5						6.5												9.5	4.5	
24-25											6.0										6.0		
25-26									4.0										9.5		2.5	7.5	
26-27	9.0		2.5				6.5				11.0		3.5				5.0				9.0	3.5	
27-28	7.0		13.0					9.0	2.0		4.5	8.0	7.0							7.0	5.0		10.5
28-29	5.0			1.0		3.5							10.5								1.5	6.5	9.0
29-30	3.0										9.5						10.5			1.0	8.0	3.0	8.0
30-31			10.0		1.5													6.0			4.0	9.5	7.0

	FH	FL	FR	FT	FT	FZ	FZ	GU	GU	U	U	TY	UX	AQ	AQ	AQ	BB	BB	BG	BX	BX	DI	GP
	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG
MAX	10.5	10.5	11.0	9.1	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	10.5	10.9	10.9	9.6	10.2
MIN	11.5	13.2	11.9	9.7	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	11.8	11.5	11.5	10.8	11.0
DUR	5	3	4	4	4	3	3	4	4	3	3	6	5	12	12	12	3	3	4	3	3	2	4
TOT														4	4	4			1				
				(S)		(S)		(S)		(S)				(2)		(3)		(S)					
0- 1			2.0	9.5		8.5	3.5		6.5	2.5						0.5	2.0				2.5		
1- 2	7.0	7.0				3.5	8.5	11.0	5.0	5.5	1.0		4.5				4.0			2.0			
2- 3					10.5	8.5	3.5	9.5	4.0		3.5							1.5			2.0	1.0	
3- 4	10.5					3.5	8.5	8.0	2.5	2.0	6.5							3.5		1.5	4.5		
4- 5		9.5	12.0			8.5	3.5	6.5		5.0	0.5						1.5			4.5	1.0	4.5	
5- 6			9.0			3.5	8.5	5.5	11.0		3.5						3.5			0.5	4.0		
6- 7			6.0			8.5	3.5	4.0	9.5	2.0	6.5							1.0		3.5	0.0		
7- 8			3.5			3.5	8.5	2.5	8.0	5.0	0.5							3.0			3.0	0.5	
8- 9						8.5	3.5		6.5		3.5						1.0	5.0		2.5			
9-10		1.0				3.5	8.5	11.0	5.5	2.0	6.5						3.0				2.0	4.0	6.5
10-11						8.5	3.5	9.5	4.0	5.0	0.5	1.5					5.0	0.5		1.5	5.0		6.0
11-12						3.5	8.5	8.0	2.5		3.5				0.5	2.5		2.5		4.5	1.0		5.5
12-13	1.0	3.5	10.5			8.5	3.5	6.5		2.0	6.5						0.5	4.5		0.5	4.0	0.0	4.5
13-14			8.0			3.5	8.5	5.5	11.0	5.0	0.5	4.0					2.5			3.5	0.5		4.0
14-15	4.5		5.0			8.5	3.5	4.0	9.5		3.5						4.5		5.5		3.0	3.5	3.5
15-16		6.0	2.0		1.0	3.5	8.5	2.5	8.0	2.0	6.5		2.0					2.0		2.5			3.0
16-17	8.5			3.5		8.5	3.5		6.5	5.0	0.5	6.0						4.0	4.5		2.5		2.5
17-18						3.5	8.5	11.0	5.5		3.5						1.5			2.0			2.0
18-19		8.5			4.5	8.5	3.5	9.5	4.0	2.0	6.5		4.0				4.0		3.0	5.0	1.5		1.0
19-20			12.0	7.5		3.5	8.5	8.0	2.5	5.0	0.5							1.5		1.0	4.5	3.0	0.5
20-21			9.5			8.5	3.5	6.5			3.5							3.5	2.0	4.0	0.5		0.0
21-22		11.0	6.5		8.5	3.5	8.5	5.5	11.0	2.0	6.5						1.0			0.0	3.5		
22-23			3.5	11.0		8.5	3.5	4.0	9.5	5.0	0.5			1.0	3.0		3.0		1.0	3.0			
23-24						3.5	8.5	2.5	8.0		3.5							1.0			2.5		
24-25					12.0	8.5	3.5		7.0	2.0	6.5							3.0		2.0		2.5	
25-26						3.5	8.5	11.0	5.5	5.0	0.5						0.5	5.0		5.0	1.5		
26-27		2.5				8.5	3.5	9.5	4.0		3.5						2.5			1.0	4.5	6.0	
27-28	2.5		11.0			3.5	8.5	8.0	2.5	2.0	6.5						4.5	0.5		4.0	1.0		
28-29			8.0			8.5	3.5	7.0		5.0	0.5							2.5		0.5	3.5		
29-30	6.0	5.0	5.5			3.5	8.5	5.5	11.0		3.5						0.0	4.5		3.0		2.0	
30-31			2.5			8.5	3.5	4.0	9.5	2.0	6.5						2.0				3.0		

	KW	KW	Z	RT	RV	ST	XZ	IQ	IQ	IT	IU	KW	V432	BETA	AE	AE	Y	RV	UZ	UZ	AV	U	V505
	PEG	PEG	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PHE	PHE	PSC	PSC	PUP	PUP	PUP	SGE	SGR
MAX	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	9.7	10.2	6.4	6.4
MIN	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	10.3	10.8	9.1	7.6
DUR	3	3	6	4	8	5	4	5	5	4	5	4	3	8	2	2	7	3	4	4	3	6	5
TOT			2			1																2	
		(S)							(S)							(S)				(S)			
0- 1		5.0		8.0				1.5			1.5	11.0	1.0			3.0		8.0		9.5	6.5		
1- 2		0.5		4.0								9.5	4.5		0.5	5.0				4.5			
2- 3				0.5		2.0				10.5		7.5	8.0		3.0			0.0	9.5				
3- 4	1.5											6.0	2.5		5.0	0.5		2.5	4.5		7.5		
4- 5							2.0		8.0		8.0	4.5	6.0			2.5		5.5		9.0			
5- 6		2.5		10.0			6.0	7.0			5.0	3.0	0.5		0.5	4.5		8.0					
6- 7				6.5			9.5		2.0		1.5	1.0	4.0		2.5				8.5		8.5		
7- 8	3.5			3.0		9.5		1.0		1.0			8.0		4.5	0.0					5.5		
8- 9													2.0			2.5	3.5	2.5		8.5			
9-10		4.5											6.0		0.0	4.5		5.0			9.5		
10-11		0.0				1.0		12.5		2.5	8.0		0.0		2.0			7.5	8.0		6.5		
11-12			0.5	9.0			0.0		7.5		5.0		4.0		4.0					12.5			
12-13	1.0			5.0			3.5	6.5			1.5		7.5			2.0				7.5			
13-14				1.5			7.5		1.5	4.0			2.0	10.5		4.0		2.0	12.5		7.5		
14-15		2.0	2.0				11.0	0.5				10.5	5.5		2.0			4.5	7.5			1.0	
15-16						8.0						8.5	9.0		4.0			7.0		12.0			
16-17	3.0			11.0						6.0	8.0	7.0	3.5	7.0		1.5				7.0	9.0		
17-18			3.5	7.5				12.0			5.0	5.5	7.0			3.5			11.5		5.5		
18-19		4.0		4.0					7.0		1.5	3.5	1.5		1.5			1.5	7.0				
19-20				0.5			1.5	6.0		7.5		2.0	5.0	4.0	3.5			4.5		11.5	10.0		
20-21	5.0		4.5				5.0		1.0			0.5	8.5			1.5		7.0		6.5	6.5		
21-22	0.5						9.0						3.0			3.5			11.0				
22-23				10.0			12.5			9.0	8.0		6.5	0.5	1.0				6.0				
23-24		1.5	6.0	6.0	12.0	6.5			12.5		4.5		1.0		3.0		5.0	1.5		11.0	8.0		
24-25				2.5				11.5			1.5		4.5		5.5	1.0		4.0		6.0			
25-26	2.5				11.5				6.5	10.5			8.0			3.0		6.5	10.5				
26-27			7.5					5.5					2.5		1.0	5.0			5.5		9.0		
27-28		3.5		12.0	10.5		3.0		0.0			11.0	6.0		3.0					10.0	6.0		0.0
28-29				8.5			6.5				8.0	9.5	0.5		5.0	0.5		1.0		5.0			
29-30	4.5		8.5	5.0	10.0		10.5				4.5	8.0	4.0			2.5		3.5	10.0		10.0		
30-31	0.0			1.5					12.0	1.0	1.5	6.0	8.0		0.5	5.0		6.0	5.0		7.0		

	AO	CC	CC	Y	RW	RZ	TY	WY	AC	AM	AQ	CT	EQ	EQ	HU	V	X	RS	RV	W	W	TX	TY
	SER	SER	SER	SEX	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TRI	TRI	TRI	TRI	UMA	UMA	UMA	UMA
MAX	10.6	11.1	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
MIN	12.1	11.7	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
DUR	4	4	4	3	4	3	2	4	6	5	5	5	3	3	6	4	4	4	4	3	3	6	3
TOT					1																		
				(S)										(S)						(S)			
0- 1				6.0		1.5	9.5	10.5		7.5	7.0	0.5	8.0	4.0	5.0	2.5	3.0		3.5	7.0	3.0		8.0
1- 2						7.5		3.0	8.0		12.0	8.5	0.5	4.5		7.0	2.5			7.5	3.5		
2- 3				8.5	2.5	3.5		12.0		8.5		0.5	1.0	5.0	6.5		1.5		9.5	7.5	3.5		
3- 4						9.0		5.0	9.0			8.5	1.5	6.0		1.0	1.0		4.0	7.5	3.5		4.0
4- 5	13.0					5.0				9.5		0.5	2.0	6.5	7.5	5.0	0.5			7.5	3.5		5.5
5- 6			10.5	7.0		1.0		6.5	10.5		3.5	8.5	3.0	7.0					10.0	7.5	3.5	4.0	7.5
6- 7			11.0			7.0				10.5	8.5	0.5	3.5	7.5	9.0				4.0	7.5	3.5		
7- 8			12.0	9.5		3.0		8.5				8.5	4.0	8.0		3.5				7.5	3.5		
8- 9						9.0		1.0		11.5		0.5	4.5	0.5	10.5	7.5				7.5	3.5	5.5	
9-10						5.0	0.5	10.5				8.5	5.0	1.0					4.5	7.5	3.5		5.0
10-11				8.0	10.0	1.0	2.0	3.0			0.5	0.5	5.5	1.5		1.5		8.0		7.5	3.5		6.5
11-12						6.5	4.0	12.5			5.5	8.5	6.5	2.0		5.5				7.5	3.5	7.0	8.0
12-13	11.0					2.5	6.0	5.0			10.5	0.5	7.0	3.0				5.5	5.0	7.5	3.5		
13-14		10.5		6.5	4.5	8.5	7.5					8.5	7.5	3.5						7.5	3.5		
14-15		11.0				4.5	9.5	7.0				0.5	8.0	4.0		4.0		3.5		7.5	3.5	8.5	4.0
15-16		12.0		9.0		0.5						8.5	0.5	4.5		8.0			5.0	7.5	3.5		5.5
16-17						6.5		8.5			2.0	0.5	1.0	5.0				1.5		7.5	3.5		7.0
17-18						2.5		1.5			7.5	8.5	1.5	5.5		2.0				7.5	3.5	10.0	
18-19				7.5		8.5		10.5				0.5	2.0	6.0		6.0			5.5	7.5	3.5		
19-20	11.5					4.5		3.0				8.5	2.5	7.0						7.5	3.5		
20-21				10.0		0.0		12.5				1.0	3.5	7.5		0.0				7.5	3.5	11.5	4.5
21-22			10.5	6.0		6.0		5.0				9.0	4.0	8.0		4.5			6.0	7.5	3.5		6.0
22-23			11.0			2.0					4.0	1.0	4.5	0.5		8.5			0.0	7.5	3.5		7.5
23-24			12.0	8.5		8.0	0.5	7.0			9.5	9.0	5.0	1.0						7.5	3.5		
24-25					6.0	4.0	2.5					1.0	5.5	1.5		2.5			6.5	8.0	4.0		
25-26						10.0	4.0	9.0				9.0	6.0	2.0		6.5	9.5		0.5	8.0	4.0		4.0
26-27	12.5			7.0		6.0	6.0	1.5				1.0	7.0	2.5			8.5			8.0	4.0		5.5
27-28					0.5	2.0	8.0	10.5		1.0	9.0	7.5	3.0		1.0	8.0		6.5	8.0	4.0		7.0	
28-29				9.0		8.0	9.5	3.5		6.0	1.0	8.0	4.0		5.0	7.5		0.5	8.0	4.0		8.5	
29-30						3.5		12.5		11.0	9.0	0.5	4.5		9.0	6.5				8.0	4.0		
30-31		11.0				9.5		5.0				1.0	1.0	5.0			6.0		7.0	8.0	4.0		

	TY	UX	UX	VV	XZ	ZZ	AF	W	RU	VV	AG	AH	AH	AK	AX	BH	Z	AW	AY	BE	BO	BS	BT
	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMI	UMI	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VUL	VUL	VUL	VUL	VUL	VUL	VUL
MAX	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	10.0	9.9	7.4	10.8	11.0	9.9	10.4	11.0	11.8
MIN	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	10.8	11.3	9.2	11.9	12.9	11.4	13.3	11.5	12.5
DUR	3	1	1	3	3	4	8	7	4	4	4	4	4	4	4	4	6	5	4	5	4	3	3
TOT	(S)											(S)											
0- 1	4.0		6.5				13.0		1.0		10.0	10.0										2.0	
1- 2	5.5	6.0		8.0		5.0		10.0	2.0									1.0				1.0	
2- 3	7.0		6.0						3.5		8.0									2.5			
3- 4	8.5			9.5	7.0	12.0		2.5	4.5							12.5							
4- 5				2.0	12.5				5.5	10.5													
5- 6			9.5	11.0					7.0						11.0			1.5					
6- 7	4.5	9.0		3.5				12.5	8.0				7.5				1.5		1.5			2.5	
7- 8	6.0		8.5	12.5					9.5		11.5	8.0											
8- 9	7.5	8.0		5.0	4.5	2.5		5.0	10.5				8.5			10.5							
9-10			8.0		9.5				11.5		10.0	9.0						2.5					
10-11		7.5		6.5		9.5			0.5				9.5		9.0							2.0	
11-12	3.5		7.0				1.5		1.5		8.0											0.5	
12-13	5.0	6.5		8.0					2.5						11.5	12.5							
13-14	6.5		6.0					7.5	4.0									3.0					
14-15	8.5	6.0		9.5	7.0				5.0													2.0	
15-16				2.0	12.5			0.5	6.5														
16-17				11.0			7.5		7.5		11.5									1.5			
17-18	4.5	9.5		3.5		7.0			8.5				7.5		9.5	10.0							
18-19	6.0		9.0	12.5				10.0	10.0		9.5	8.0							3.0				
19-20	7.5	8.5		5.0	4.5				11.0				8.5		12.5								
20-21			8.0		9.5			3.0	12.5		8.0	9.0										1.5	
21-22		7.5		6.5					1.0				9.5	12.5		12.0						0.5	
22-23			7.5						2.0									0.0				2.0	
23-24	5.0	7.0		8.0				12.5	3.5											3.0			
24-25	6.5		6.5			4.5			4.5						10.5								
25-26	8.0	6.0		9.5	7.0			5.5	5.5		11.5										1.5		
26-27				2.0	12.5	12.0			7.0						13.0			1.0					
27-28				11.0					8.0		9.5	7.5		11.5							0.5		
28-29	4.0			3.5					9.5				7.5										
29-30	5.5		9.0	12.5					10.5		8.0	8.0											
30-31	7.0	9.0		5.0	4.5			8.0	11.5				8.5			11.5		1.5		1.0		1.5	1.5

all times in U.T.

	BU	CD	V495	V495
	VUL	VUL	VUL	VUL
MAX	10.6	11.5	9.6	9.6
MIN	11.4	12.6	10.0	10.0
DUR	3	4	4	4
TOT				
				(S)
0- 1	4.0			
1- 2				
2- 3				3.0
3- 4	0.0			
4- 5	3.5			
5- 6		1.0		
6- 7				
7- 8		2.0		0.5
8- 9	3.0			
9-10		3.5		
10-11				
11-12			2.5	
12-13	2.5			
13-14				
14-15				
15-16				
16-17	2.0		0.5	
17-18				
18-19		1.0		
19-20				
20-21	2.0	2.0		2.5
21-22				
22-23		3.0		
23-24				
24-25	1.5			
25-26				0.0
26-27				
27-28				
28-29	1.0			
29-30			2.0	
30-31				