

MAS Eclipsing Binary Ephemeris for January 2025

all times in U.T.

Page 1

	RT	TW	UU	WZ	XZ	AB	AB	AD	AD	BD	BX	DS	DS	QX	QX	RY	CX	CZ	EK	EK	KP	OO	V343
	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	9.7	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	11.4	11.6	11.6	10.1	12.0	11.2	11.3	11.3	10.5	10.1	12.3
DUR	3	11	8	4	3	3	3	4	4	3	4	4	4	3	3	5	3	3	3	3	4	3	4
TOT		2																					
							(S)		(S)				(S)		(S)					(S)		(S)	
0- 1			1.5			0.0	4.0	0.5		3.5		7.0		5.0	0.0			0.0					
1- 2	4.5			6.5		0.0	4.0	0.0		1.5	3.0	7.5		1.0	6.0					1.5			
2- 3						0.0	4.0				8.0	7.5		6.5	1.5								
3- 4	1.5		1.0		2.0		4.0					8.0		2.5	7.5		1.5						
4- 5				1.0			4.0				4.0				3.0							3.0	
5- 6							3.5			5.5				4.0					1.0				
6- 7	5.0		0.5	3.5			3.5			3.5					4.5		1.0						
7- 8					3.5		3.5			2.0	5.0			5.5	0.5								
8- 9	2.5			5.5			3.5			0.0				1.0	6.0		1.5		2.5				
9-10		0.5					3.5				1.0			7.0	2.0					0.5			
10-11							3.0				6.5			2.5	7.5								12.5
11-12	6.0			0.0	5.0		3.0			6.0					3.5								
12-13							3.0			4.0	2.5			4.0			2.0			2.0			
13-14	3.0	3.0		2.0			3.0			2.5	7.5				5.0		1.5		0.0				
14-15							2.5			0.5				5.5	0.5								
15-16	0.5			4.5	7.0		2.5				3.5			1.5	6.0								
16-17	6.5						2.5							7.0	2.0				1.5				
17-18				6.5			2.5		6.5					2.5	7.5								
18-19	4.0				0.0		2.5		6.0	4.5	5.0				3.5		2.0						
19-20							2.0		6.0	3.0				4.0									
20-21	1.0			1.0			2.0		5.5	1.0	0.5				5.0					1.5			
21-22							2.0		5.0		6.0		0.0	5.5	0.5								
22-23				3.5	2.0		2.0		5.0				0.5	1.5	6.5						12.0		
23-24	4.5						2.0		4.5		2.0		0.5	7.0	2.0		2.0			3.0			
24-25				5.5			1.5		4.0	5.0	7.0		1.0	3.0	8.0				1.0				
25-26	2.0						1.5		4.0	3.0			1.0		3.5		0.5						
26-27					3.5		1.5		3.5	1.5	3.0		1.5	4.5									
27-28				0.0			1.5		3.0		8.5		1.5	0.0	5.0				2.5				
28-29	5.5						1.5		3.0				2.0	6.0	1.0		2.0			0.5			
29-30				2.0			1.0		2.5		4.5		2.0	1.5	6.5								
30-31	2.5				5.5	5.0	1.0		2.5	5.5			2.5	7.5	2.5	0.0						0.0	

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	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	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)	(3)	
0- 1		3.5	4.5			8.5	1.0		1.5	6.0	13.0				7.5	0.5	6.0		4.5	0.5				
1- 2		4.5	0.0	5.0			9.0	8.0		9.5	2.5		5.0			5.0			10.5	2.0				
2- 3		5.0	5.5	0.5	4.0					13.0	6.0				3.5	9.0		9.5		3.5				
3- 4		5.5	1.0	5.5						2.5	9.5	6.5					2.5			5.0				
4- 5		6.5	6.0	1.0			1.0			6.0	12.5			4.5		4.0				6.5				
5- 6		7.0	1.5	6.5		4.5	9.0		2.5	9.0	2.5		8.0	10.5		8.0		5.5	4.0	8.0				
6- 7			6.5	2.0		9.5		9.0		12.5	5.5								10.0	9.5				
7- 8			2.0	7.0						2.0	9.0	10.0				2.5	9.0			11.0				
8- 9				2.5			1.0			5.5	12.5					7.0		2.0						
9-10			3.0				9.0			9.0	2.0			4.0	10.5	11.5						1.5		
10-11				3.5	8.0	1.0			4.0	12.0	5.5			10.0		1.5	5.0		4.0		3.0			
11-12			3.5			6.0		10.0		2.0	8.5				6.0	6.0			10.0		4.5			
12-13				4.0		11.0	1.0			5.0	12.0					10.5		8.5			6.0			
13-14			4.5		1.5		9.0			8.5	1.5				1.5	0.5	1.5				7.5			
14-15				4.5						12.0	5.0			3.5		5.0					9.0			
15-16			5.0	0.0					5.0	1.5	8.5			9.5		9.5		4.5	3.5		10.5			
16-17			0.5	5.5		2.0	1.0	11.5		5.0	11.5								9.5		12.0	8.5	11.5	
17-18			6.0	1.0		7.0	9.0			8.0	1.5					4.0	8.0					0.5		
18-19			1.5	6.0						11.5	4.5					8.0		1.0			2.0			
19-20			6.5	1.5				0.0		1.0	8.0			3.0							3.5			
20-21			2.0	7.0			1.0		6.5	4.5	11.5			9.0	8.5	2.5	4.0		3.5	5.0				
21-22				2.5	5.5		9.0			8.0	1.0					7.0			9.5	6.5				
22-23			2.5			3.0				11.0	4.5				4.5	11.5		7.5		8.0				
23-24				3.0		8.0				1.0	7.5					1.5	0.5			9.5				
24-25			3.5				1.0	1.0		4.0	11.0			2.5	0.0	6.0	10.5			11.0				
25-26				4.0			8.5		7.5	7.5	0.5			8.5		10.5		4.0	3.0					
26-27			4.0							11.0	4.0		0.5			0.5			9.0		1.5			
27-28				4.5						0.5	7.5					5.0	7.0				3.0			
28-29			5.0			4.5	0.5			4.0	10.5	2.0				9.5		0.0			4.5			
29-30	0.5		0.5	5.0	10.0	9.5	8.5	2.5		7.0	0.5			2.0				10.0			6.0			
30-31		0.0	5.5	0.5					8.5	10.5	3.5		3.5	8.0		4.0	3.5		3.0		7.5			

MAS Eclipsing Binary Ephemeris for January 2025

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Page 3

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

	SX	TU	TZ	TZ	UU	XZ	YY	AC	AK	AM	AM	RZ	TV	TW	ZZ	AB	CW	CW	DZ	IR	IS	IT	MM
	CMA	CMA	CMA	CMA	CMA	CMI	CMI	CMI	CMI	CMI	CMI	CAS	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	10.0	6.4	7.3	8.3	10.7	10.2	11.8	11.8	11.6	10.8	11.6	11.0	11.3
MIN	11.4	10.7	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	12.1	12.6	11.8	11.9
DUR	4	4	4	4	5	3	4	3	4	5	6	4	4	5	4	4	3	3	4	4	5	5	5
TOT																							
				(S)						(S)									(S)				
0- 1					10.0		10.5	5.5	10.0			0.0	3.0	10.5	5.0	7.5	3.5		1.5	8.5			
1- 2							7.5	8.5	10.5								6.5	2.5	4.0				
2- 3					3.5		4.0	11.5	11.0								5.5	1.5		2.5	5.0		
3- 4	4.5	2.5			7.5	3.5	1.0	1.5	11.5			4.0					4.5	0.5					
4- 5		5.5			11.0	6.0		4.5				8.5		10.0	4.0	7.5	3.5	7.0	7.5	3.5	1.0		2.5
5- 6		8.5				8.0		7.5							10.0		2.5	6.0	2.0				6.0
6- 7					4.5	10.5		11.0									1.0	5.0		4.5			
7- 8			9.5		8.5		9.0						6.0	6.5		1.0	0.0	4.0				6.5	
8- 9							6.0	3.5		1.5						10.0	7.0	3.0	5.5	5.5			
9-10				8.5	2.0		2.5	6.5		2.0	3.5	1.5			3.5		6.0	2.0	0.5				
10-11					4.5	6.0		10.0		2.5	8.0			3.0	9.5		4.5	1.0		6.5			
11-12	7.5		5.0		10.0					3.0	13.0					3.5	3.5	7.5				4.0	1.0
12-13		3.0			8.5			2.5		3.5						12.5	2.5	6.5	3.5				5.0
13-14		6.0		4.0	3.5		11.0	5.5		4.0							1.5	5.5			6.0		
14-15					7.0	2.0	7.5	9.0		4.5				9.5	3.0		0.5	4.5				6.0	
15-16					11.0	4.5	4.5			5.0	3.0				9.0	6.0	7.0	3.5	7.0	0.5	2.0	1.5	
16-17	4.5					6.5	1.0	1.5		5.5	7.5	7.5					6.0	2.5	2.0				
17-18					4.5	9.0		5.0		6.0	12.0			6.5			5.0	1.0		1.5			
18-19					8.5	11.0		8.0		6.0		3.0					4.0	0.0					
19-20								11.0		6.5					2.5	8.5	3.0	7.0	5.0	3.0			3.5
20-21					2.0		9.5			7.0				3.0	8.0		2.0	6.0	0.0				7.5
21-22		3.5			6.0		6.0	4.0		7.5	2.5						1.0	4.5		4.0			
22-23		6.5			9.5		3.0	7.0		8.0	7.0					2.0	7.5	3.5					
23-24					4.5			10.0		8.5	11.5					11.0	6.5	2.5	3.5	5.0			
24-25	7.5				3.5					9.0				9.5	2.0		5.5	1.5			7.0		
25-26					8.5	7.0		3.0		9.5					7.5		4.5	0.5		6.0			
26-27					11.0	3.0	11.0	6.0		10.0						4.5	3.5	7.0	6.5		3.5		2.5
27-28						5.5	8.0	9.5		10.5	1.5	4.5	6.5				2.5	6.0	1.5	7.0			6.5
28-29					4.5	7.5	4.5			11.0	6.5						1.5	5.0					
29-30	4.0				8.5	10.0	1.5	2.0		11.5	11.0	0.0			1.0		0.0	4.0					
30-31		4.0	7.5			12.0		5.0		11.5				3.0	7.0	7.0	7.0	3.0	5.0	0.0			

	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		3.5				0.5			3.5	9.0	11.0	9.0	5.0	0.0		1.5		4.0		7.0	8.0	10.0	6.5
1- 2			8.0						12.0				1.5	6.5	2.0		12.5				12.0	12.0	
2- 3	3.5				12.5			7.0					7.5	2.5		4.5						1.0	
3- 4	9.5					3.0					4.0		3.5	8.5	10.0							3.5	
4- 5					6.5				5.0		1.5		9.5	4.5		8.0	6.0					5.5	
5- 6		3.0		2.5				5.5		9.0			5.5	0.5						4.5		7.5	
6- 7			7.5		0.5	5.0							1.5	6.5		11.5					3.5	10.0	
7- 8	3.5												7.5	2.5							7.5	12.0	
8- 9	9.0							4.0	7.0				3.5	8.5	2.0		8.5		10.5	11.0	1.0		
9-10					12.5	7.0					11.5		9.5	4.5								3.0	3.0
10-11		2.5					1.5			8.5			5.5	0.5	10.5					1.5		5.5	
11-12			7.0		6.5			3.0					1.5	6.5				2.0				7.5	
12-13	3.0			2.5					8.5		4.5		8.0	3.0			10.5					9.5	
13-14	9.0				0.5		3.5				2.0		4.0	9.0							3.0	11.5	
14-15								1.5				4.0	10.0	5.0							6.5	1.0	
15-16		2.0							1.5	8.0			6.0	1.0	2.5	1.0	4.0				10.5	3.0	
16-17			6.5		12.5		5.5		10.0				2.0	7.0				13.0				5.0	
17-18	2.5					0.0		0.5					8.0	3.0	10.5	4.5						7.0	
18-19	8.5				6.5			11.5			12.0		4.0	9.0						5.5		9.5	
19-20				3.0			7.5		3.5				0.0	5.0		8.0		6.5				11.5	
20-21		1.5			0.5	2.0			12.0	8.0			6.0	1.0								2.0	0.5
21-22			6.0					10.5			4.5		2.0	7.0		11.5				11.5	6.0	2.5	
22-23	2.0										2.5		8.0	3.0	2.5						10.0	5.0	10.0
23-24	8.0				12.5	4.0			5.0			9.0	4.5	9.5			8.5			2.5		7.0	
24-25								9.0					0.5	5.5	11.0							9.0	
25-26		1.0			6.5					7.5			6.5	1.5					12.5			11.5	
26-27			5.5	3.0		6.5							2.5	7.5			2.0		12.5			0.5	
27-28	1.5				0.5		1.0	8.0	7.0		12.0		8.5	3.5			11.0	12.0			1.5	2.5	
28-29	7.5												4.5	9.5					11.5	0.0	5.5	4.5	
29-30													0.5	5.5	3.0					11.5		9.0	7.0
30-31		0.5			12.5		3.0	6.5		7.0	5.0		6.5	1.5		1.0		4.5	11.0			9.0	

	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	7.0			2.5								9.0	5.0										
1- 2	5.5			1.5		2.5	5.0				9.5		5.0		10.0		9.0				8.5		
2- 3	4.0			0.0	4.0						5.5			4.5			12.0		8.5	12.0			6.0
3- 4	2.5		4.5		3.0			5.5	5.0			6.0						7.5					
4- 5	1.0		4.0		1.5	1.5					5.5		7.0		8.5	8.0			7.0		8.0		8.5
5- 6			3.5	4.0	0.5						6.0		8.0				10.5			11.5			
6- 7			2.5	3.0							6.5		8.5			12.0							11.5
7- 8			2.0	2.0		0.5					6.5		9.5								8.0		
8- 9			1.5	0.5				5.0	7.0								9.0	9.0		11.5			
9-10			0.5		3.5						7.5		6.0		10.0				8.0				6.5
10-11			0.0		2.0		5.5				8.0		6.5					7.5			7.5		
11-12	12.5				1.0							7.5							6.5	11.0			9.0
12-13	11.0			3.5		5.0						8.0					12.0						
13-14	9.5			2.5								9.0											11.5
14-15	8.0			1.0							5.0		9.5		12.0				9.0	11.0			
15-16	6.5				4.0	4.5	5.0				5.5		5.5	5.0			11.0	8.5					
16-17	5.0				2.5						6.0	6.5		5.0					7.5				7.0
17-18	3.5				1.5			5.5			6.5		7.0		9.5			7.0		10.5			
18-19	2.0			4.0	0.0	3.5					6.5	8.0		4.5			9.5				13.0		9.5
19-20	0.5			3.0							7.0		8.5										
20-21		6.5	5.0	1.5			4.5				7.5	9.5								10.5		7.5	12.0
21-22			4.5	0.5	4.0	2.5					8.0								9.0		12.5		
22-23			3.5		3.0			5.0					6.0		11.5	12.5	8.0						
23-24		6.0	3.0		2.0								6.5						7.5	10.0			7.5
24-25			2.0		0.5	1.5	5.5						7.5					6.5			12.5		
25-26			1.5	3.5					5.5			8.5			9.5	11.0							10.0
26-27	12.0	5.0	1.0	2.0					5.5			9.0								10.0			
27-28	10.5		0.0	1.0		1.0		5.0	6.0	10.0								9.0			12.0		12.5
28-29	9.0				3.5				6.5	5.5				12.5		10.0			8.5				
29-30	7.5	4.5			2.5		5.0		7.0			6.5						7.5		9.5			
30-31	6.0				1.0				7.0		7.0				11.5			7.0			11.5		8.0

MAS Eclipsing Binary Ephemeris for January 2025

all times in U.T.

Page 7

	SW	ZZ	AE	CG	DK	KR	KV	V346	V387	V388	V401	V456	V466	V466	V477	V477	V548	V704	1034	TT	TY	YY	FZ
	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL
MAX	9.3	10.7	11.8	11.0	10.3	9.2	11.5	11.8	11.5	9.7	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
MIN	11.8	12.0	12.8	11.8	10.8	10.0	12.6	13.6	12.3	10.3	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
DUR	5	4	4	3	4	4	5	5	3	3	4	3	4	4	4	4	5	4	4	5	4	4	3
TOT	2																						
														(S)	(S)								
0- 1								13.0			2.5						0.5						
1- 2		11.0			2.5		0.5									0.5		12.5			1.5		1.0
2- 3		2.0	2.5		1.5													2.0					
3- 4			2.0	0.5					2.5				1.0									1.5	
4- 5			1.0					12.5		13.0												0.5	
5- 6			0.5	13.0					0.5						0.5		10.5					0.0	
6- 7		12.0								13.0		12.5						2.0					
7- 8		3.0																			0.5		
8- 9				1.5												1.5							
9-10		0.0			2.5	1.0	12.5					0.5					1.5						
10-11					1.5			0.0			1.0							2.0					
11-12		12.5																	0.0		0.5		
12-13									1.5						1.5								0.0
13-14				2.5						12.5													
14-15		1.0															11.5	1.5					
15-16				0.0																			
16-17																							
17-18				12.5	3.0						0.5	1.0											
18-19	12.0				1.5		1.0										2.0	1.5					
19-20		1.5								2.5			1.0										
20-21				1.5		0.5				0.0	12.5												
21-22									1.0														
22-23													12.5					1.5					
23-24	1.5	11.0															12.0						
24-25		2.0									0.5												
25-26				2.5	3.0							1.5										12.5	
26-27					1.5					0.5								1.5	12.0				
27-28					0.0						12.5						2.5						
28-29		12.0								2.0													
29-30		3.0										12.0											
30-31									0.0									1.0					0.5





	HS	LT	V728	68	WY	WY	AV	DF	DF	DI	DK	V470	V470	SW	SW	VX	AR	AW	CM	CO	CO	DG	GX
	HER	HER	HER	HER	HYA	HYA	HYA	HYA	HYA	HYA	HYA	HYA	HYA	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC
MAX	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	10.5	10.8	10.1
MIN	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	11.0	12.0	10.4
DUR	4	4	3	5	3	3	4	4	4	4	4	3	3	3	3	4	6	5	4	5	5	4	6
TOT																	2						
						(S)			(S)				(S)		(S)						(S)		
0- 1						8.0			5.0	11.0	5.0	5.0		2.0									
1- 2					10.0		9.5		4.5		6.0		5.0	1.0	5.0	1.0				4.0			
2- 3					3.0	11.5			4.5	7.5	7.0	4.5	9.5	0.0	4.0	3.0						2.0	
3- 4	12.0					5.0	10.5		4.5		8.0	9.0	4.5		3.0								
4- 5			11.0		6.5		3.0		4.0	3.5	9.0	4.0	9.0		2.0					6.0			
5- 6			10.0			8.5	12.0	8.0	4.0	9.0	10.0	8.5	4.0		1.0			0.0					
6- 7			8.5		10.0		4.0	7.5	3.5		11.0	3.5	8.5	4.0	0.0		0.5				13.0		
7- 8					3.5	12.0	13.0	7.5	3.5	5.5	12.0	8.0	3.5	3.0			4.0						1.5
8- 9						5.0	5.5	7.5	3.5	11.0		3.0	7.5	2.0							2.0		
9-10					7.0			7.0	3.0			7.5	2.5	1.5									
10-11						9.0	6.5	7.0	3.0	7.0		2.5	7.0	0.5	4.5								
11-12		10.5			10.5	2.0		6.5	3.0			7.0	2.0		3.5						4.0		
12-13		12.5			3.5		8.0	6.5	2.5		5.0	2.0	6.5		2.5								
13-14			10.0			5.5		6.5	2.5	9.0	6.0	6.5			1.5			1.0				3.0	
14-15			8.5	9.5	7.5		9.0	6.0	2.0		7.0		6.0	4.5	0.5		0.5				6.0		
15-16						9.0		6.0		5.0	8.0	6.0		3.5		0.5	4.0			1.0			
16-17				11.0	11.0	2.0	10.0	5.5		10.5	9.0		5.5	2.5		2.0							
17-18					4.0			5.5			10.0	5.0		2.0		4.0						13.0	
18-19				12.0		6.0	11.5	5.5		7.0	11.0		5.0	1.0	4.5					3.0			
19-20					7.5		4.0	5.0			12.5	4.5	9.5		4.0								
20-21						9.5	12.5	5.0				9.0	4.5		3.0								
21-22	12.5		10.5		11.0	2.5	5.0	5.0		8.5		4.0	9.0		2.0				1.5	5.0			
22-23			9.0		4.5			4.5				8.5	4.0	5.0	1.0		0.5						
23-24						6.0	6.0	4.5		5.0		3.5	8.5	4.0	0.0		4.0				12.0		
24-25		10.5			8.0			4.0		10.5	5.0	8.0	3.5	3.0								3.5	
25-26		12.5				9.5	7.5	4.0			6.0	3.0	8.0	2.0							1.0		
26-27					11.5	3.0		4.0	7.5	6.5	7.0	7.5	3.0	1.5									3.0
27-28					4.5		8.5	3.5	7.5	12.0	8.0	2.5	7.0	0.5	4.0								
28-29						6.5		3.5	7.5		9.0	7.0	2.0		3.5						3.0		
29-30			10.5		8.0		10.0	3.0	7.0	8.5	10.5	2.0	6.5		2.5		5.0		2.0				
30-31			9.5			10.0		3.0	7.0		11.5	6.5		1.5	1.5		0.5						

	MZ	MZ	Y	UU	UV	VZ	WZ	XY	XZ	AM	T	Z	RR	SS	RY	UZ	EW	FL	RU	RU	RW	AT	BB
	LAC	LAC	LEO	LEO	LEO	LEO	LEO	LEO	LEO	LEO	LMI	LEP	LEP	LIB	LYN	LYR	LYR	LYR	MON	MON	MON	MON	MON
MAX	11.2	11.2	9.5	11.4	9.5	10.6	11.3	9.5	10.6	9.2	10.2	11.0	10.2	10.4	11.9	9.8	11.2	8.7	10.6	10.6	9.1	10.6	10.6
MIN	12.1	12.1	12.7	12.7	10.2	11.7	12.0	9.9	11.2	9.8	12.6	12.5	10.9	11.3	13.3	11.0	13.6	9.5	11.3	11.3	11.9	11.4	11.3
DUR	4	4	5	4	3	4	5	2	3	3	6	4	4	6	4	5	5	4	5	5	5	5	4
TOT																							1
		(S)																		(S)			
0- 1			12.5	3.5	10.0	6.0			9.0	8.0		7.0			10.5							7.0	2.0
1- 2		5.0					8.5	8.5	5.5	8.0	8.0	6.5	6.5						4.0				
2- 3			5.0		5.0	10.5						6.5	4.5							7.0		7.5	7.0
3- 4				12.0	10.0	12.5		5.0	7.0	6.0		6.5	2.5		7.5								
4- 5							4.0		6.5	8.5	8.5	6.0	0.5	12.0			0.0					8.0	
5- 6				4.5	5.0			5.0	6.0			6.0											5.0
6- 7					10.0				5.5	4.5		6.0			4.5	11.0						9.0	
7- 8		12.5	6.5					4.5	4.5	6.5	9.0	6.0											10.0
8- 9					5.5		9.5		4.0			5.5							8.0			9.5	3.5
9-10	3.5				10.0			4.5	3.5			5.5			1.5						9.5		
10-11				5.5					3.0	5.0	9.5	5.5			11.5		13.0					10.5	8.0
11-12					5.5	3.5	5.0	4.0		7.5		5.0	8.0								7.0		2.0
12-13			8.0		10.0	6.0						5.0	6.0										
13-14						8.0		3.5			10.0	5.0	4.0		8.5					1.5	5.0		6.5
14-15					5.5	10.0				5.5		4.5	2.0			0.5							
15-16				6.5	10.0	12.5	10.5	3.5	11.5	8.0		4.5	0.0									2.5	
16-17								6.5	11.0		10.5	4.5			5.5								5.0
17-18		0.0	9.5		5.5			3.0	10.5			4.5		10.5			1.5				0.5		
18-19					10.0		6.0	6.5	10.0	6.0		4.0											9.5
19-20								3.0	9.5	8.5	11.0	4.0			2.5				2.0				3.0
20-21		4.0		7.5	5.5			6.0	8.5			4.0			13.0						5.5		
21-22					10.0				8.0	4.5		3.5					10.0						8.0
22-23			10.5				11.5	6.0	7.5	6.5	11.5	3.5	8.0										1.5
23-24					5.5	3.5			7.0			3.5	5.5		9.5	11.5							
24-25			3.0		10.0	5.5		5.5	6.5			3.0	3.5										6.5
25-26				8.0		8.0	7.0		6.0	5.0	12.0	3.0	1.5										
26-27					5.5	10.0		5.5	5.0	7.0		3.0			6.5				6.5				
27-28			12.0		10.0	12.0			4.5			3.0		12.0			12.5			9.5			4.5
28-29	2.5						3.0	5.0	4.0		12.5	2.5									11.0		
29-30			4.5		5.5		12.5		3.5	5.5		2.5			3.5		11.0						9.5
30-31				9.0	10.0			5.0	3.0	8.0		2.5									8.5		3.0

all times in U.T.

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

	TY	UX	AQ	AQ	BB	BB	BG	BX	DI	KW	KW	Z	RT	RV	ST	XZ	IQ	IQ	IT	IU	KW	V432	BETA
	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER
MAX	10.5	10.7	10.3	10.3	10.6	10.6	10.5	10.9	9.6	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
MIN	12.6	12.0	13.0	13.0	11.2	11.2	11.8	11.5	10.8	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
DUR	6	5	12	12	3	3	4	3	2	3	3	6	4	8	5	4	5	5	4	5	4	3	8
TOT			4	4			1					2			1								
				(3)		(S)					(S)							(S)					
0- 1						3.0							6.5	4.5							2.0	6.5	
1- 2					0.5			0.5					2.5								0.5	1.0	8.0
2- 3		0.0			2.5				1.0					4.0				10.5	1.5	7.0		4.5	
3- 4						0.5											9.5			3.5		8.0	
4- 5	1.5					2.5		2.5	4.0	1.0		1.5		3.5		1.5		4.0		0.0		2.5	4.5
5- 6		2.5			0.0								8.5				5.0	3.0		3.0		6.0	
6- 7					2.0			1.5			2.0		5.0	3.0			8.5					0.5	
7- 8	3.5								0.5			2.5	1.5		5.5							4.0	1.5
8- 9						2.0		0.5		3.0				2.0						4.5	7.0		7.5
9-10									3.5										9.5		3.5	9.5	2.0
10-11					1.5							4.0		1.5				8.5		0.0	8.0	5.5	
11-12				0.5				2.5					7.5					3.5	6.5		6.0	0.0	
12-13						1.0							3.5	1.0		3.0	2.5				4.5	3.5	
13-14								1.5		0.5		5.5	0.0			6.5					3.0	7.5	
14-15					1.0				3.0					0.5		10.0			8.0	7.0	1.0	1.5	
15-16					3.0			1.0			1.5				4.0					3.5		5.5	
16-17						0.5						6.5	9.5					9.0		0.0		9.0	
17-18						2.5				2.5			6.0					8.0				3.5	
18-19					0.5		3.5	3.0					2.5						3.0			7.0	
19-20					2.5				3.0			8.0										1.5	
20-21						0.0	2.5	2.0									4.0			7.0		5.0	
21-22						2.0										8.0				3.5		8.5	
22-23		2.0	0.5					1.5	1.0		0.0			8.5						0.0		3.0	
23-24					2.0									4.5	3.0				8.5		8.5	6.5	
24-25							0.0	0.0	2.5		1.0		1.0				7.5				7.0	1.0	6.5
25-26						1.5												2.5	1.5		5.5	4.5	
26-27										2.0							1.0			7.0	4.0	8.0	
27-28					1.5			2.0								2.0				3.5	2.0	2.5	3.0
28-29											3.0		7.0			5.5			3.0	0.0	0.5	6.0	
29-30						1.0		1.5	2.0				3.5			9.5						0.5	
30-31						3.0												8.0				4.0	

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

	V	X	RS	RV	W	W	TX	TY	TY	UX	UX	VV	XZ	ZZ	AF	W	RU	VV	AG	AH	AH	AK	AW	
	TRI	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMI	UMI	VIR	VIR	VIR	VIR	VIR	VIR	
MAX	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	9.7	9.7	10.0	10.8	
MIN	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	10.2	10.2	11.5	11.9	
DUR	4	4	4	4	3	3	6	3	3	1	1	3	3	4	8	7	4	4	4	4	4	4	3	
TOT																								
						(S)			(S)												(S)			
0- 1					0.5	4.5		3.5	8.0	7.5					6.5		8.5		5.0		7.0			
1- 2			3.0	6.0	0.5	4.5		5.0			7.0	6.5		5.5		6.0	10.0		12.0	7.5			8.0	
2- 3	3.0			0.0	0.5	4.5		6.5	2.5	6.5							11.0						8.0	
3- 4			0.5		0.5	4.5		8.0	4.0		6.0	8.0	3.0	12.5			12.5		10.0	8.5				
4- 5				6.5	0.5	4.5			5.5	6.0		0.5	8.5				1.0	8.5					9.0	
5- 6	1.5			0.5	0.5	4.5		2.5	7.0		5.5	9.5		12.5			2.0		8.5	9.5				
6- 7	5.5				0.5	4.5		4.0	8.5	5.0		2.0				8.5	3.5						7.0	
7- 8				7.0	0.5	4.5		6.0		9.5	4.5	11.0					4.5		6.5				5.5	
8- 9				1.0	0.5	4.5		7.5	3.0	4.0	9.0	3.5	0.5	3.0		1.0	5.5	8.5		5.5				
9-10	3.5				0.5	4.5			4.5	8.5	4.0	12.5	6.0				7.0		5.0				6.0	
10-11				7.0	0.5	4.5		2.0	6.0		8.0	5.0	11.0	10.0			8.0		12.0	6.5				
11-12		7.0		1.0	0.5	4.5		3.5	7.5	7.5						11.0	9.5					7.0	12.5	
12-13	2.0	6.5			0.5	4.5		5.0			7.5	6.5					10.5	9.0	10.0	7.5			7.5	
13-14	6.0	5.5		7.5	0.5	4.5		6.5	2.0	7.0						3.5	11.5						8.0	
14-15		5.0		1.5	0.5	4.5		8.0	3.5		6.5	8.0	3.0				0.5		8.5	8.5				
15-16	0.0	4.5			0.5	4.5			5.0	6.0		0.5	8.5	0.5			1.5						9.0	
16-17	4.5	3.5		8.0	0.5	4.5		2.5	7.0		5.5	9.5			1.0		2.5	9.5	6.5	9.5				
17-18		3.0		2.0	0.5	4.5		4.0	8.5	5.5		2.0		7.5			4.0						11.5	
18-19		2.5			0.5	4.5		5.5			5.0	11.0				6.0	5.0					5.5		8.0
19-20	2.5	1.5			0.5	4.5		7.0	3.0	4.5	9.5	3.5	0.5				6.5		11.5	6.0				
20-21	6.5	1.0	5.0	2.0	0.5	5.0			4.5	9.0	4.0	12.5	6.0				7.5	10.0					6.5	
21-22		0.0			1.0	5.0		1.5	6.0	3.5	8.5	5.0	11.0		7.0		8.5		10.0	6.5				
22-23	0.5		3.0		1.0	5.0		3.0	7.5	8.0							10.0						7.0	
23-24	5.0			2.5	1.0	5.0		4.5			7.5	6.5				8.5	11.0		8.5	7.5		11.0	7.0	
24-25			0.5		1.0	5.0	3.0	6.0	2.0	7.5				5.0			12.0	10.0					8.0	8.5
25-26					1.0	5.0		7.5	3.5		7.0	8.0	3.0			1.5	1.0		6.5	8.5				
26-27	3.0			3.0	1.0	5.0				5.0	6.5		0.5	8.5	12.5		2.0						9.0	
27-28					1.0	5.0	4.5	2.5	6.5		6.0	9.5					3.0			9.5				
28-29					1.0	5.0		4.0	8.0	5.5		2.0				11.0	4.5	10.5	11.5					
29-30	1.5			3.5	1.0	5.0		5.5			5.5	11.0					5.5					5.5	10.0	7.5
30-31	5.5				1.0	5.0	6.0	7.0	2.5	5.0		3.5	0.5			4.0	7.0		10.0	6.0				

	AW	AX	AZ	AZ	BH	Z	AW	AX	AY	BE	BO	BS	BT	BU	CD	V495	V495
	VIR	VIR	VIR	VIR	VIR	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL
MAX	10.8	10.0	11.0	11.0	9.9	7.4	10.8	11.0	11.0	9.9	10.4	11.0	11.8	10.6	11.5	9.6	9.6
MIN	11.9	10.8	11.8	11.8	11.3	9.2	11.9	12.5	12.9	11.4	13.3	11.5	12.5	11.4	12.6	10.0	10.0
DUR	3	4	3	3	4	6	5	5	4	5	4	3	3	3	4	4	4
TOT	(S)			(S)													(S)
0- 1		12.5				11.5	1.0										
1- 2														0.0			
2- 3				7.0	11.5												
3- 4	7.0	8.0		8.5					1.5								
4- 5	8.5																
5- 6		10.5							0.0								
6- 7			7.5								1.0						
7- 8					9.0				0.5			0.5					
8- 9																	
9-10	7.5								1.5					13.0			
10-11		8.5		8.0											1.0		
11-12					11.0												
12-13		11.5															
13-14			7.5							13.0			13.0		13.0		
14-15																	
15-16	8.0				13.0												
16-17					8.5												1.0
17-18		9.5		8.0								0.5					
18-19														2.0			
19-20		12.0															
20-21			7.5		10.5												
21-22	8.0							0.0					12.5				
22-23		7.5												1.5			
23-24															1.0		
24-25		10.0		8.0	12.5												
25-26					8.0		1.0										
26-27	7.0	12.5												1.0			
27-28			7.0			12.0						0.5					
28-29			8.5														
29-30		8.0			10.0					1.5							
30-31														0.5			