

	RT	TW	UU	WZ	XZ	AB	AB	AD	AD	BD	BX	DS	DS	QX	QX	V376	V376	CX	CZ	XZ	KO	KP	OO		
	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AQR	AQR	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	10.8	11.3	11.3	7.7	7.7	10.7	10.3	9.3	8.3	9.7	9.2		
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	8.0	8.0	12.0	11.2	11.2	9.3	10.5	10.1		
DUR	3	11	8	4	3	3	3	4	4	3	4	4	4	3	3	4	4	3	3	7	5	4	3		
TOT	2																								

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

MAS Eclipsing Binary Ephemeris for August 2015

all times in U.T.

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	OO	V342	V343	V346	RX	SS	SS	RY	SX	TT	WW	AP	AP	AR	AR	CL	EM	EP	HP	HP	IM	SS	SS
	AQL	AQL	AQL	AQL	ARI	ARI	ARI	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	BOO	BOO
MAX	9.2	9.0	10.6	9.0	9.4	10.1	10.1	11.7	8.2	8.7	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
MIN	10.1	12.5	12.3	10.4	9.9	11.1	11.1	14.0	9.0	9.7	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
DUR	3	7	4	4	4	3	3	6	4	5	5	4	4	5	5	4	4	3	3	3	4	18	18
TOT		3																				6	6
	(S)						(S)					(S)		(S)					(S)		(2)		
0- 1		8.0	6.5	11.5			8.5					9.5											
1- 2					4.5	9.0	4.0			6.5						10.5	8.5						
2- 3			3.0		5.0	4.0	9.0		7.0			9.0						7.5		10.0			
3- 4					6.0	9.5	4.5								6.5	6.5							
4- 5					6.5	5.0	10.0					9.0						7.0		10.5			4.0
5- 6					7.0	10.0	5.5			6.5													
6- 7	1.5				8.0	5.5	10.5	11.0				9.0		7.0									
7- 8	2.0	2.5		2.5	8.5	11.0	6.0													7.0	10.0		
8- 9	2.0			5.0	9.5	6.5	11.5		8.5		8.5		8.5				10.5						
9-10	2.5			7.5	10.0		7.0			6.0								10.0					
10-11	3.0			10.0	11.0	7.0							8.5	10.0									
11-12	3.0		8.0		11.5		7.5											9.5					
12-13	3.5				8.0		8.0					8.5				9.0		6.5		9.5			
13-14	4.0		4.5				8.0			6.0	8.5												
14-15	4.0				8.5	3.5		9.5					8.0		11.0		8.5		9.5				
15-16	4.5				4.0	9.0							11.5										
16-17	5.0				9.5	4.5						8.0											
17-18	5.0	6.5		1.5	5.0	9.5	8.5		6.0		11.5						7.5		6.0	9.5			
18-19	5.5			4.0	10.0	5.0					9.5												
19-20	5.5			6.5	5.5	10.5		5.5				11.0			10.5			9.0			6.0		
20-21	6.0			9.0	10.5	6.0		10.5															
21-22	6.5				6.0	11.0				6.0		11.0				11.5	10.5						
22-23	6.5		10.0		11.5	6.5															9.0		
23-24	7.0				7.0						11.0		11.0				7.5						
24-25	7.5	1.5	6.0			7.5									10.0		9.5		8.5				
25-26	7.5				7.5			7.0	6.0		10.5												
26-27	8.0		2.5			8.0																	
27-28	8.5				8.5							10.5					8.5				9.0		
28-29	8.5			3.0	4.0	8.5	6.0																
29-30	9.0			5.5	9.0	4.0			6.0		10.5				9.5			8.0					
30-31	9.5			8.0	4.5	9.5											7.5						

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

	XZ	YY	AC	AK	AM	RW	TY	RZ	TV	TW	ZZ	AB	CW	CW	DZ	GT	IR	IS	IT	MM	OR	OX	PV
	CMI	CMI	CMI	CMI	CMI	CAP	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	9.8	10.5	6.4	7.3	8.3	10.7	10.2	11.8	11.8	11.6	11.9	10.8	11.6	11.0	11.3	11.4	10.1	10.0
MIN	10.2	9.1	11.5	11.5	10.7	10.8	11.6	7.8	8.4	8.9	11.1	12.2	12.5	12.5	12.3	12.8	12.1	12.6	11.8	11.9	12.4	10.9	10.6
DUR	3	4	3	4	5	5	4	4	4	5	4	4	3	3	4	5	4	5	5	5	4	5	3
TOT																							
					(S)									(S)									
0- 1						10.0				6.5			5.0	9.0	11.0		4.0						
1- 2													4.0	7.5	6.0	4.5		9.5			6.5		4.5
2- 3						6.5						3.0	3.0	6.5			5.0			2.5		2.0	
3- 4	11.0					6.0				3.0	2.5		2.0	5.5			6.0			6.0			
4- 5							6.0	8.0			8.5		8.5	4.5	9.0	4.5	6.0			10.0			
5- 6							10.5						7.5	3.5	4.0			2.0					
6- 7						2.5		3.5				5.5	6.5	2.5			7.0				6.0		10.5
7- 8									9.5				5.5	1.5		4.5						1.5	
8- 9	11.5										2.0		4.5	8.0	7.5		8.0						4.5
9-10						1.5					7.5		3.0	7.0	2.0								
10-11							9.0	5.5		6.5		8.0	2.0	6.0		4.0	9.0				5.0		
11-12							10.0						9.0	5.0	11.0		1.5		10.0	8.5	5.5		
12-13			11.0	11.0									7.5	4.0	5.5		10.0	11.0			11.5		
13-14							5.5		9.5	3.0		1.5	6.5	3.0		4.0	2.5						10.5
14-15											7.0	10.0	5.5	2.0			11.5	7.0					
15-16									5.0				4.5	8.5	9.0		3.5		7.5				4.5
16-17							1.5	5.0					3.5	7.5	4.0	3.5		3.0			5.0		
17-18								9.5		9.5		4.0	2.5	6.5			4.5				4.0	11.0	
18-19					10.5								1.5	5.5						7.5			
19-20	11.5				11.0	5.5					6.5		8.0	4.5	7.0	3.5	5.5		5.5	11.5			
20-21					11.5		8.0			6.0			7.0	3.0	2.0								10.5
21-22											6.5		6.0	2.0			6.5					4.5	
22-23							4.0	11.0					5.0	9.0	10.5	3.0					10.5		4.5
23-24							4.5	9.0		3.0			4.0	8.0	5.5		7.5		3.0				
24-25									6.5		6.0		3.0	6.5							2.5		
25-26			11.5	11.5								8.5	2.0	5.5		3.0	8.5	8.0			6.5		
26-27								2.0					8.5	4.5	8.5					10.0	4.5		
27-28									9.5				7.5	3.5	3.5		9.5	4.5			10.0		10.5
28-29								3.5				2.5	6.5	2.5		2.5	2.0						
29-30				10.5		10.0		8.5			5.0	11.0	5.5	1.5			10.5					11.0	4.5
30-31	11.5						7.5			6.0	11.0		4.5	8.0	7.0		3.0						

	V364	V364	V375	V380	U	SU	WW	WZ	WZ	XX	ZZ	DK	DL	DV	EG	EK	GK	SS	TT	TW	TW	TX	RW
	CAS	CAS	CAS	CAS	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CET	CET	CET	CET	CET	COM
MAX	11.2	11.2	10.1	10.4	6.7	8.8	11.1	11.4	11.4	8.5	9.3	12.2	12.4	11.6	9.6	8.2	6.9	9.4	10.8	10.4	10.4	10.9	11.0
MIN	11.7	11.7	10.9	11.1	9.8	9.8	11.9	12.0	12.0	9.6	10.0	14.2	13.2	12.4	10.6	9.5	7.4	13.0	11.3	11.2	11.2	11.5	11.6
DUR	4	4	5	5	4	4	4	3	3	4	5	4	5	4	3	6	4	5	3	3	3	4	3
TOT					2																		1
		(S)								(S)													(S)
0- 1				11.0				7.5	2.5			2.0							6.0	10.0	6.5		4.5
1- 2			7.5					3.5	8.5		8.0	2.0							5.5	9.0			3.5
2- 3		7.5						10.0	5.0			1.5			3.5					7.5	11.5	9.0	2.5
3- 4	2.0			4.5	9.5			6.0	11.0		11.5				5.5					6.5	10.5		
4- 5			6.5			10.0		2.0	7.0				5.5	5.0	7.5							9.0	
5- 6		9.5				8.0		8.0	3.0					9.0	10.0	7.0		11.5			8.0	8.0	4.5
6- 7	4.0					5.5		4.0	9.0	4.0											10.5	6.5	3.0
7- 8			5.0	6.0		3.0		10.0	5.0												9.5		2.0
8- 9		11.5			9.0			6.0	11.0						3.0		11.0	11.0		8.0		7.5	
9-10	6.0						3.5	2.0	7.0				2.5		5.5		8.0			7.0	11.0		
10-11			4.0					8.0	3.0						7.5		6.0		11.0	6.0	9.5		4.0
11-12				7.5				4.0	9.0					4.5	9.5		4.5	10.5	10.5		8.5	6.5	2.5
12-13	8.0							10.0	5.0				9.0	8.5			3.0		9.5	11.0	7.0		1.5
13-14		2.5	2.5		9.0	10.5		6.5	11.5	4.0							1.5		9.0	10.0	6.0		
14-15						8.0		2.5	7.5		4.5				3.0	4.0		9.5	8.0	8.5		5.5	5.0
15-16	10.0			9.5		5.5		8.5	3.5						5.0				7.5	7.5	11.5		3.5
16-17		4.5	1.5			3.5		4.5	9.5		7.5				7.0				7.0	6.5	10.0	11.0	2.5
17-18								10.5	5.5				6.5		9.5			9.0	6.0		9.0		
18-19				2.5	8.5		8.0	6.5	1.5		11.0			4.0	11.5				5.5	11.5	7.5		
19-20		6.5		11.0				2.5	7.5					7.5						10.5	6.5	10.0	4.5
20-21			11.5					8.5	3.5	4.5				11.5	2.5			8.5		9.0			3.0
21-22								4.5	9.5						5.0					8.0			2.0
22-23		9.0		4.5		11.0		10.5	5.5			4.0		7.0		10.5				7.0	10.5	9.0	
23-24	3.5		10.0		8.0	8.5		6.5	1.5						9.0		9.0	8.0			9.5		
24-25						6.0		2.5	7.5						11.5		7.5				8.0		4.0
25-26		11.0				3.5		9.0	4.0			10.0	3.0			5.5				11.0	7.0	8.0	3.0
26-27	5.5		9.0	6.0		1.5		5.0	10.0					7.0	2.5		4.0	7.0		9.5	6.0		1.5
27-28								11.0	6.0	4.5				11.0	4.5	10.5	2.5		11.0	8.5			
28-29					8.0			7.0	2.0						7.0				10.5	7.5	11.0	7.5	5.0
29-30	7.5		7.5					3.0	8.0		4.0				9.0			6.5	10.0	6.0	10.0		3.5
30-31		2.0		7.5				9.0	4.0				7.5		11.0				9.0		8.5		2.5

	RW	RZ	RZ	SS	SS	CC	CC	U	RW	TW	W	W	RV	Y	Y	SW	WW	ZZ	AE	BR	CG	DK	KR
	COM	COM	COM	COM	COM	COM	COM	CRB	CRB	CRB	CRV	CRV	CRV	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG
MAX	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	7.0	7.0	9.3	9.9	10.7	11.8	9.4	11.0	10.3	9.2
MIN	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	7.6	7.6	11.8	13.2	12.0	12.8	10.5	11.8	10.8	10.0
DUR	3	3	3	4	4	2	2	5	4	4	4	4	4	6	6	5	5	4	4	4	3	4	4
TOT																2							
	(S)		(S)		(S)		(S)						(S)		(S)								
0- 1	2.0		1.5		2.5		2.0			8.0				8.0			2.5	4.0		5.5		9.0	3.0
1- 2			2.0	3.5		2.0							2.0					10.5			3.0	7.5	
2- 3			2.5		4.0	4.5	1.5		3.5	2.5					2.0	6.5		1.5			9.5	6.0	
3- 4	4.0		2.5			1.5	4.0			7.0				8.0			10.0	7.5	11.0			4.5	
4- 5	2.5		3.0			4.0	1.5		7.5										10.5	5.5	7.0	3.5	8.5
5- 6	1.5		3.5		1.5		4.0								2.0			5.0	9.5			2.0	4.5
6- 7			4.0	2.0		3.5				5.5				8.0				11.0	9.0			4.0	
7- 8	4.5		4.0		3.0		3.5		5.5		2.0							2.0	8.0		10.5	10.5	
8- 9	3.5		4.5	3.5		3.5							1.5		2.0			8.5	7.5	5.5	1.5	9.0	
9-10	2.5				4.5		3.0			4.0				8.0					6.5		8.0	7.5	10.0
10-11						3.0			3.0	8.5								5.5	6.0			6.0	6.5
11-12		1.5					3.0								2.0	10.0			5.0		5.5	4.5	2.5
12-13	4.5	2.0			2.0	2.5			7.5	3.0				7.5					3.0	4.5	5.5		3.5
13-14	3.0	2.5		2.5			2.5				7.0						9.0	9.0	3.5		3.0	2.0	
14-15	2.0	2.5			3.5	2.5					2.0				2.0				3.0		9.0		
15-16		3.0		4.0			2.0		5.0	1.5				7.5				6.5	2.0			10.5	8.0
16-17		3.5				2.0				5.5									1.5	5.5	6.5	9.0	4.5
17-18	4.0	4.0					2.0	6.5							1.5			3.5				7.5	
18-19	3.0	4.0		1.5		1.5	4.5		3.0					7.5				10.0			4.0	6.0	
19-20	1.5	4.5			2.0	4.0	1.5			4.5											10.5	5.0	
20-21				3.0		1.5	4.0		7.0			2.0			1.5			7.0		5.5	1.5	3.5	9.5
21-22	5.0				4.0	4.0					1.5			7.5							8.0	2.0	6.0
22-23	3.5		1.5	4.5			3.5			3.0								4.5					2.5
23-24	2.5		2.0			3.5			5.0	7.5					1.5		7.5	10.5			5.0	10.5	
24-25			2.5				3.5	4.5						7.5				1.5		5.5	11.5	9.0	
25-26			3.0	2.0		3.0				1.5						3.0		7.5			2.5	7.5	11.5
26-27	4.5		3.0		2.5		3.0		2.5	6.0					1.5						9.0	6.0	7.5
27-28	3.0		3.5	3.5		3.0					2.0	2.5	7.5									5.0	4.0
28-29	2.0		4.0		4.0		2.5		7.0									11.0		5.5	6.5	3.5	
29-30			4.0			2.5				4.5					1.5			2.0				2.0	
30-31			4.5				2.5						2.0	7.0				8.5			4.0		

	KV	MY	MY	V346	V387	V388	V401	V456	V466	V466	V477	V548	V704	1034	W	TT	TY	YY	FZ	Z	RZ	TW	UZ	
	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	
MAX	11.5	8.3	8.3	11.8	11.5	9.7	10.8	10.8	10.8	10.8	8.3	8.9	13.8	9.6	9.4	10.6	9.6	11.0	10.2	10.8	10.0	7.8	9.9	
MIN	12.6	9.0	9.0	13.6	12.3	10.3	11.6	11.9	11.6	11.6	9.2	9.7	14.6	10.6	12.7	12.5	10.8	12.0	11.3	13.6	10.9	9.5	10.7	
DUR	5	4	4	5	3	3	4	3	4	4	4	5	4	4	7	5	4	4	3	4	3	5	5	
TOT															2							1		
			(S)						(S)															
0- 1			9.5		6.0		3.0	5.0				6.5		8.5				11.5		3.0		8.0		
1- 2	3.5						6.5	2.5		7.0			3.5	8.0				6.5	9.5		3.0			
2- 3		9.5			4.0		10.5					2.0	7.0	7.5				1.5	4.0		5.5		2.0	
3- 4					11.0	10.5			9.0				10.5	7.0			5.5				8.0	3.5		
4- 5			9.5		2.5	7.0	4.5			2.0				6.5			10.5	10.5		5.0	10.5			
5- 6				9.5	9.0	4.0	8.5			11.5	8.5		3.5	5.5				5.5	7.5				8.0	
6- 7		9.5						10.5	4.0				7.0	5.0					2.0					
7- 8					7.0		2.5	8.0					10.5	4.5								4.5		
8- 9			10.0	3.5			6.5	5.5		6.0				4.0				9.5	10.5	6.5	7.0			
9-10					5.5	11.0	10.5	3.0				7.0	3.5	3.5			4.5	5.0	5.5			9.5		
10-11		10.0				7.5			8.0				7.0	3.0			9.5							
11-12					3.5	4.0	4.5					2.5	10.5	2.5										
12-13			10.0		10.0		8.5			10.5	9.5			2.0		10.5		9.0	8.5	8.5	3.5			
13-14					1.5				3.0				3.5	1.5				4.0	3.5		6.0			
14-15		10.0			8.5		2.5	11.0					6.5								8.5	9.0		
15-16	8.0					11.0	6.5	8.5		5.0			10.0			7.5	3.5			1.5	11.0		3.0	
16-17			10.0	9.0	6.5	8.0	10.5	6.0							8.5		8.0	8.0	6.5	10.0				
17-18						4.5		3.5	7.0		2.0		3.0						3.0	1.5		2.5	4.5	
18-19	4.0	10.0			4.5		4.5					8.0	6.5			4.5					5.0		9.5	
19-20				3.0	11.5		8.5			9.5	10.5		10.0						9.5	3.5	7.5			
20-21			10.0		2.5				2.0			3.0						7.5	4.5		10.0			
21-22					9.5	11.5	2.0		11.5				3.0		4.0	1.5	2.5	2.5						
22-23		10.0				8.0	6.0			4.0			6.5				7.0					1.5		
23-24					7.5	4.5	10.0	9.0					10.0					11.5	7.5	5.0	4.0			
24-25			10.5			1.5		6.5	6.0		3.0							6.5	2.5		6.5			
25-26					5.5		4.0	4.0					3.0					1.5				9.0		
26-27		10.5					8.0			8.5	11.5		6.5							11.0		11.5		
27-28				8.5	4.0							8.5	10.0					1.5	10.5	5.5	7.0			
28-29			10.5		10.5	8.5	2.0		10.5									6.0	5.5			3.0	10.0	4.0
29-30					2.0	5.0	6.0			3.0		3.5	3.0					10.5				5.5		
30-31		10.5		2.5	8.5	1.5	10.0						6.5						9.0		8.0			

	UZ	AI	BH	S	TZ	YY	YY	RW	SX	TX	WW	AF	AL	Z	RX	SZ	TT	TU	UX	CC	CT	DI	DI
	DRA	DRA	DRA	EQU	ERI	ERI	ERI	GEM	GEM	GEM	GEM	GEM	GEM	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER
MAX	9.9	7.2	8.0	8.0	9.8	8.4	8.4	9.6	10.8	10.0	9.8	10.2	9.3	7.3	7.1	10.2	9.7	10.6	8.9	9.5	9.9	8.4	8.4
MIN	10.7	8.2	8.6	10.0	12.6	9.1	9.1	11.6	11.7	11.9	10.5	11.3	10.0	8.2	7.7	12.0	10.4	13.4	9.8	12.8	11.2	9.1	9.1
DUR	5	4	5	5	4	3	3	5	5	6	4	4	4	8	5	4	4	5	5	4	4	6	6
TOT					1			1										1					
	(S)						(S)																(S)
0- 1	11.0					11.5	7.5						9.5									4.5	
1- 2						10.5				11.0													
2- 3					9.5	9.5											8.0			1.5			
3- 4		4.0				9.0								6.5		7.0	5.5						
4- 5		9.0	11.0			8.0									7.5	3.0	3.5						
5- 6							11.0		9.5								1.5						
6- 7			6.5			10.0	9.5								2.5			1.5					
7- 8						9.5								6.5		9.5			3.0	6.5	4.5		
8- 9			2.0			8.5					11.0					5.0		8.0					7.5
9-10		4.0		9.5		11.5	7.5																
10-11	5.5	8.5				10.5													5.0				
11-12						10.0								6.5									
12-13						9.0										7.0	8.5						
13-14						8.0					10.0				5.0	3.0	6.5		7.5				
14-15							11.0										4.5			4.5	8.0		
15-16		3.5	8.5		10.0		10.0			11.0				6.0			2.0	3.0					
16-17		8.5		6.5			9.5									9.5					2.5		
17-18			4.0				8.5									5.0		9.5					
18-19						11.5	7.5				8.5												
19-20						10.5								6.0									
20-21						10.0			10.5						8.0								
21-22		3.5				9.0										7.0			1.5	3.0		7.0	
22-23		8.5				8.0									2.5	3.0							
23-24	6.5			3.0			11.0							6.0			7.0					6.0	
24-25			10.5				10.5										5.0	5.0	4.0				
25-26							9.5					10.5				9.5	3.0						
26-27			6.0				8.5	11.0								5.0							
27-28		3.5					7.5							5.5					6.0				
28-29		8.0	2.0		11.0	10.5														1.5			
29-30						10.0		7.5		11.0		11.0			5.0								10.0
30-31						9.0										7.0			8.5				

	RR	SS	DELT	RY	UZ	EW	FL	RU	RU	RW	AT	BB	BO	EP	U	SX	V501	V508	V839	1010	EF	EF	EQ
	LEP	LIB	LIB	LYN	LYR	LYR	LYR	MON	MON	MON	MON	MON	MON	MON	OPH	OPH	OPH	OPH	OPH	OPH	ORI	ORI	ORI
MAX	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	6.2	12.6	12.6	10.3
MIN	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	7.0	14.1	12.8	13.3
DUR	4	6	7	4	5	5	4	5	5	5	5	4	5	5	5	5	4	3	3	4	6	6	4
TOT										1													
									(S)													(S)	
0- 1				8.5						9.0							6.0						
1- 2			3.5				8.0										7.0	6.0	2.5				
2- 3																	7.5	1.5					
3- 4																	8.5	7.0	2.0		9.5		
4- 5								11.0							4.5		9.5	2.5					
5- 6					9.0						11.0		10.5				2.0	8.0	2.0				
6- 7				2.5													2.5	3.5				10.5	
7- 8		5.0			6.5												3.5	9.0	1.5	10.5			
8- 9			3.5														4.5	4.5					
9-10	10.5				4.0	11.0									5.5		5.0						
10-11		2.0		10.0			1.5										6.0	6.0					
11-12						10.0											7.0	1.5					
12-13							5.5										7.5	7.0					
13-14							8.5						11.5				8.5	2.5				10.0	
14-15							10.0								6.5		9.5	8.0					
15-16			3.0			7.5											2.0	3.5					
16-17								11.0			11.0						9.5	2.5	9.0		8.5		
17-18						6.0											9.0	3.5	4.5				
18-19																	8.0	4.5					
19-20					5.0				10.5			11.0			7.0		7.0	5.0	5.5				
20-21	10.0	3.5		11.0													6.5	6.0	1.5	9.5		9.5	
21-22						3.5											5.5	7.0	7.0				
22-23			2.5		9.5												5.0	7.5	2.5	6.5			
23-24						2.5	3.0										4.0	8.5	8.0				
24-25					7.0										8.0	2.5	3.5	9.5	3.5	6.0	10.5		
25-26						7.5											2.5	2.0	9.0				
26-27					4.5												4.0	2.0	2.5	4.5	6.0		
27-28						11.5					10.5								3.5				9.5
28-29					1.5						11.5						5.5	4.5	5.5	5.5			
29-30			2.0	1.5														5.0	1.5				
30-31		5.5																6.0	7.0	5.0			

	ER	ER	ET	FH	FL	FR	FT	FZ	FZ	GU	GU	U	U	TY	UX	AQ	AQ	AQ	BB	BB	BG	BX	DI
	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG
MAX	9.5	9.5	11.2	10.5	10.5	11.0	9.1	10.7	10.7	12.6	12.6	9.7	9.7	10.5	10.7	10.3	10.3	10.3	10.6	10.6	10.5	10.9	9.6
MIN	10.2	10.2	12.4	11.5	13.2	11.9	9.7	11.3	11.3	13.5	13.5	10.5	10.5	12.6	12.0	13.0	13.0	13.0	11.2	11.2	11.8	11.5	10.8
DUR	3	3	5	5	3	4	4	3	3	4	4	3	3	6	5	12	12	12	3	3	4	3	2
TOT																5	5	5				1	
		(S)						(S)		(S)		(S)				(2)		(3)		(S)			
0- 1	11.5		10.5	10.0				11.5		10.5		7.0	2.5	11.0					4.5	9.0		4.0	
1- 2			9.0						11.5	9.0		10.0	5.5						6.5	2.5	8.5	7.0	9.0
2- 3		9.0	8.0			10.5		11.5				4.0	8.5						8.5	4.5		3.5	2.0
3- 4	10.5								11.5			7.0	2.5		3.0				2.0	6.5	7.5	6.0	
4- 5									11.5		10.5	10.0	5.5						4.0	8.5		2.5	5.0
5- 6									11.5		9.0	4.0	8.5						6.0	2.0	6.5	5.5	
6- 7	9.5			9.5				11.5				7.0	2.5		5.0	5.0	7.5	9.5	8.0	4.0		1.5	8.5
7- 8		11.0							11.5			10.0	5.5						1.5	6.0	5.5	4.5	
8- 9									11.5	10.5		4.0	8.5						3.5	8.0		7.5	
9-10	9.0								11.5	9.0		7.0	2.5		7.5				5.5	10.0	4.0	3.5	5.0
10-11		10.5				9.0			11.5			10.0	5.5						7.5	3.5		6.5	
11-12									11.5			4.0	8.5						9.5	5.5	3.0	2.5	8.0
12-13									11.5		10.5	7.0	2.5		9.5				3.0	7.5		5.5	
13-14		9.5					8.5		11.5		9.0	10.0	5.5						5.0	9.5	2.0	1.5	11.5
14-15	11.0								11.5			4.0	8.5						7.0	2.5		4.5	4.5
15-16			11.5						11.5			7.0	2.5						9.0	4.5		7.5	
16-17		8.5							11.5	10.5		10.0	5.5						2.5	6.5		4.0	7.5
17-18	10.0					10.5			11.5	9.0		4.0	8.5			7.0	9.5		4.5	9.0		6.5	
18-19		11.5							11.5			7.0	2.0						6.5	2.0		3.0	11.0
19-20			11.0						11.5			9.5	5.0						8.5	4.0		6.0	4.0
20-21	9.0		9.5		8.5				11.5		10.5	3.5	8.0		3.0				2.0	6.0		2.0	
21-22		10.5	8.5						11.0		9.0	6.5	2.0						4.0	8.0		5.0	7.0
22-23									11.0			9.5	5.0	2.5					6.0	1.5		8.0	
23-24				11.0					11.0			3.5	8.0		5.0				8.0	3.5		4.0	10.5
24-25		9.5							11.0	10.5		6.5	2.0						1.5	5.5		7.0	3.5
25-26	11.0					9.5			11.0	9.0		9.5	5.0	4.5					3.5	7.5		3.0	
26-27									11.0			3.5	8.0		7.0				5.5	9.5		6.0	7.0
27-28		9.0							11.0			6.5	2.0						7.5	3.0		2.0	
28-29	10.0			9.0					11.0		10.5	9.5	5.0	7.0		9.5			9.5	5.0		5.0	10.0
29-30		11.5							11.0		9.0	3.5	8.0		9.0				2.5	7.0		1.5	3.0
30-31									11.0			6.5	2.0						5.0	9.0		4.5	

	GP	Z	RT	RV	ST	XZ	IT	IU	KW	V432	BETA	Y	RV	UZ	U	V505	1968	RS	AO	CC	CC	RW	RZ
	PEG	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PSC	PSC	PUP	SGE	SGR	SGR	SER	SER	SER	SER	TAU	TAU
MAX	10.2	9.9	10.6	10.3	9.7	10.6	9.9	10.5	10.5	11.0	2.2	9.0	11.3	9.7	6.4	6.4	12.3	10.8	10.6	11.1	11.1	8.0	10.5
MIN	11.0	12.4	12.0	12.7	13.2	12.7	10.5	11.6	11.5	11.7	3.5	12.0	12.0	10.6	9.1	7.6	13.3	11.5	12.1	11.7	11.7	12.5	11.2
DUR	4	6	4	8	5	4	4	5	4	3	8	7	3	4	6	5	4	4	4	4	4	4	3
TOT		2			1										2								1
																							(S)
0- 1			7.5						2.0	7.5			9.5						4.0		2.5		7.5
1- 2			4.0	9.5			9.5			11.0								5.0	1.5		3.5		
2- 3								8.5		5.5						5.0	1.5				4.0		9.0
3- 4				8.5				5.0		9.0			4.0			9.0	4.5				5.0		
4- 5							11.0			3.5	9.5		6.5				7.5	5.0			5.5		11.0
5- 6			9.5	8.0	9.5	3.5				7.0			9.0								6.5		7.0
6- 7			6.0			7.0				11.0											7.0		
7- 8			2.5	7.5		10.5				5.0	6.5							3.5	4.5	5.0	2.0		9.0
8- 9								8.0	11.0	9.0			3.5			2.5	6.5		2.0	2.5		8.0	
9-10				6.5				5.0	9.5	3.0			6.0		8.0	7.0					3.5		11.0
10-11									7.5	7.0	3.5		8.5						4.5		4.0		6.5
11-12			8.5	6.0					6.0	10.5			11.0					2.0			5.0		
12-13			5.0				3.5		4.5	5.0											5.5		8.5
13-14				5.5	8.5	5.0			2.5	8.5		8.5	3.0					8.0	4.0		6.5		
14-15						8.5		8.0					5.5						6.0	7.0			10.5
15-16							5.0	5.0		6.5			8.5			5.0			3.0		2.0		6.5
16-17			11.0							10.0			11.0		2.5	9.5	3.5	4.0			2.5		
17-18			7.0							4.5		3.0						6.5			3.5		8.5
18-19			3.5				6.5			8.0			3.0								4.0		
19-20		2.5								11.5			5.5								4.0	5.0	9.5 10.0
20-21	11.5							8.0		6.0			8.0								5.5		
21-22	10.5				7.0	6.5	8.0	5.0		9.5			10.5				3.0	5.0		6.5		6.5	
22-23	10.0	3.5	9.5			10.0			10.0	4.0						7.5					3.5	4.0	7.0
23-24	9.5		6.0						8.5	7.5			2.5	11.5							8.0		1.5
24-25	9.0						9.5		7.0	11.0	11.5		5.0								2.5		10.0
25-26	8.5	5.0							5.5	5.5			7.5					4.0	3.5		3.5		
26-27	8.0							8.0	3.5	9.0			10.0		6.0			7.0	8.0		4.0		
27-28	7.0						11.5	4.5	2.0	3.5	8.0										5.0		7.5
28-29	6.5	6.5	8.0			4.0				7.0		10.0					5.5		3.0	7.5	5.5		
29-30	6.0		4.5		5.5	7.5				10.5			4.5				9.5	2.5	8.0	4.5	6.5		9.5
30-31	5.5					11.5				5.0	5.0		7.5						2.0	7.0		11.5	

	TY	WY	AC	AM	AQ	CT	EQ	EQ	HU	V	X	RS	RV	W	W	TX	TY	TY	UX	UX	VV	XZ	ZZ
	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TRI	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA
MAX	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	12.7	10.1	10.1	9.8
MIN	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	13.8	11.0	11.7	11.2
DUR	2	4	6	5	5	5	3	3	6	4	4	4	4	3	3	6	3	3	1	1	3	3	4
TOT																							
								(S)						(S)				(S)					
0- 1						9.0		8.0		9.0	11.0	8.0	6.5	7.0	3.0		4.5	8.5	8.5	3.5			5.5
1- 2			8.0	9.5	9.0			8.5			10.5			7.0	3.0		6.0	1.5	3.0	8.0	6.5		
2- 3						9.0		9.0		3.0	10.0	6.0		7.0	3.0		7.5	3.0	7.5	3.0		3.0	
3- 4	7.5		9.5	10.5			5.5	9.5		7.0	9.0		7.0	7.0	3.0		9.0	4.5	2.5	7.0	8.0	8.5	
4- 5	9.5				9.0	6.0	10.5		11.0	8.5	3.5			7.0	3.0		2.0	6.0	6.5	2.0			
5- 6	11.5	8.0	10.5				7.0	11.0			7.5			7.0	3.0		3.5	7.5	1.5	6.5	9.5		
6- 7					9.0	7.5	11.5			5.5	7.0		7.0	7.0	3.0		5.0	9.5	6.0	10.5	2.0		
7- 8		10.0	11.5		11.0		8.0			9.5	6.5			7.0	3.0		6.5	2.5	10.5	5.5	11.0		3.0
8- 9					9.0		8.5				5.5			7.0	3.0		8.0	4.0	5.0	10.0	3.5		
9-10							9.0			3.5	5.0		7.5	7.0	3.0		9.5	5.5	9.5	4.5		11.0	10.5
10-11					9.0	9.5	5.5			7.5	4.5			7.0	3.0		2.5	7.0	4.5	9.0	5.0		
11-12							10.0	6.0			3.5			7.0	3.0		4.0	8.5	8.5	4.0			
12-13				7.5	9.0	11.0	6.5						8.0	7.0	3.0		5.5	1.5	3.5	8.5	6.5		
13-14							11.5	7.5		6.0				7.0	3.0		7.0	3.0	8.0	3.0		3.0	
14-15		8.5				9.0		8.0		10.0				7.0	3.0		8.5	4.5	2.5	7.5	8.0	8.5	
15-16								8.5					8.0	7.0	3.0		1.5	6.0	7.0	2.5			
16-17		10.0				9.0		9.0		4.0				7.0	3.0		3.5	7.5	2.0	6.5	9.5		8.0
17-18	8.0						5.5	9.5	7.5	8.0				7.0	3.0		5.0	9.0	6.5	1.5	2.0		
18-19	9.5				9.5	9.0	6.0	10.0						8.5	7.0	3.0	6.5	2.0	10.5	6.0	11.0		
19-20	11.5						6.5	10.5	8.5		10.0	2.5	7.0	7.0	3.0		8.0	3.5	5.5	10.0	3.5		
20-21						9.0	7.0	11.5		6.5				7.5	3.5		9.5	5.0	10.0	5.0		11.0	
21-22							8.0		10.0	10.5		8.0	9.0	7.5	3.5		2.5	6.5	4.5	9.5	5.0		
22-23						9.0	8.5						3.0	7.5	3.5		4.0	8.0	9.0	4.5			
23-24		8.5			6.5		9.0		11.5	4.5		6.0		7.5	3.5		5.5	9.5	4.0	8.5	6.5		5.5
24-25				11.5	9.0	9.5	5.5			8.5			9.5	7.5	3.5		7.0	2.5	8.0	3.5		3.0	
25-26		10.5					10.0	6.0				3.5	3.5	7.5	3.5		8.5	4.5	3.0	8.0	8.0	8.5	
26-27						9.0	10.5	6.5		3.0				7.5	3.5		1.5	6.0	7.5	2.5			
27-28							11.5	7.0		7.0				9.5	7.5	3.5	3.0	7.5	2.5	7.0	9.5		
28-29						9.0		7.5	11.0				3.5	7.5	3.5	1.5	4.5	9.0	6.5	2.0	2.0		
29-30					8.5			8.5						7.5	3.5		6.0	2.0	1.5	6.0	11.0		
30-31						9.0		9.0		5.0			10.0	7.5	3.5		7.5	3.5	6.0	10.5	3.5		3.0

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

all times in U.T.

	BS	BT	BU	CD	ER
	VUL	VUL	VUL	VUL	VUL
MAX	11.0	11.8	10.6	11.5	7.3
MIN	11.5	12.5	11.4	12.6	7.5
DUR	3	3	3	4	4
TOT					
0- 1	2.5	3.0	4.0	4.5	11.5
1- 2		6.0	7.5		4.0
2- 3	11.5	9.5	10.5	6.0	
3- 4	10.5				6.5
4- 5	9.0		3.5	7.0	
5- 6	8.0		7.0		8.5
6- 7	7.0		10.5	8.0	1.5
7- 8	5.5				11.0
8- 9	4.5	2.5	3.5	9.5	3.5
9-10	3.5	6.0	6.5	2.0	
10-11	2.0	9.5	10.0	10.5	6.0
11-12				3.0	
12-13	11.5		3.0		8.0
13-14	10.0		6.0	4.5	
14-15	9.0		9.5		10.5
15-16	8.0			5.5	3.0
16-17	6.5	2.5	2.5		
17-18	5.5	5.5	6.0	7.0	5.5
18-19	4.5	9.0	9.0		
19-20	3.5			8.0	7.5
20-21	2.0		2.0		
21-22			5.5	9.5	10.0
22-23	11.0		8.5	1.5	2.5
23-24	10.0			10.5	
24-25	9.0	2.0	1.5	3.0	5.0
25-26	8.0	5.5	5.0		
26-27	6.5	9.0	8.5	4.0	7.0
27-28	5.5				
28-29	4.5			5.5	9.5
29-30	3.0		4.5		2.0
30-31	2.0		8.0	6.5	