

MAS Eclipsing Binary Ephemeris for August 2016

all times in U.T.

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	RT	TW	UU	WZ	XZ	AB	AB	AD	AD	BD	BX	DS	QX	QX	RY	CX	CZ	XZ	KO	KP	OO	OO	V342				
	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AQR	AQR	AQR	AQL	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	8.8	10.7	10.3	9.3	8.3	9.7	9.2	9.2	9.0				
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	10.1	12.0	11.2	11.2	9.3	10.5	10.1	10.1	12.5				
DUR	3	11	8	4	3	3	3	4	4	3	4	4	3	3	5	3	3	7	5	4	3	3	7				
TOT	2																						3				
					(S)				(S)				(S)				(S)										
0- 1	2.0	4.5					5.0	9.0			1.5	2.0			7.0	9.5	4.5			3.0	4.0			3.5	9.5		
1- 2	8.5			8.0	10.5	2.0	5.0	9.0			1.5	11.0	4.5	7.0	5.0	10.0			5.5			3.5	2.5	3.5	9.5		
2- 3				3.0	10.5			5.0	9.0				9.5	10.0	7.5	11.0	6.0				8.0			4.0	10.0		
3- 4	5.5					4.5	8.5				7.5			7.5	6.5	11.5			11.0					4.5	10.5		
4- 5	7.5		7.5	5.0			4.5	8.5				6.0	6.0	8.0	2.5	7.5							4.5	10.5			
5- 6	3.0				3.5	4.5	8.5				4.0	11.0	8.0	8.0	3.0			3.0	8.5					5.0	11.0		
6- 7	9.0			7.0			4.5	8.5	11.5			2.5			8.5	4.0	9.0			5.5	5.0					5.5	
7- 8			7.0			4.5	8.5	11.0						7.0	8.5	9.5	4.5			8.5					5.5	7.5	
8- 9	6.5	10.5			9.5			4.0	8.0	11.0			10.0			9.0	5.5	10.0			11.0					6.0	
9-10				2.0	5.5			4.0	8.0	10.5			8.0	3.0	9.0	11.0	6.0								6.5		
10-11	3.5			6.0	11.5			4.0	8.0	10.0			6.0	8.0	9.5	6.5			3.0			3.5			6.5		
11-12	10.0				4.0			4.0	8.0	10.0			4.5			9.5	2.5	7.5			5.5	9.5			5.0	7.0	
12-13					4.0	8.0	9.5				2.5	4.0	10.0	8.0	3.5			8.5	6.0	7.0					7.0		
13-14	7.0			5.5	6.0	7.0	3.5	7.5	9.0				9.5	10.0	4.0	9.0			11.0					7.5	1.5		
14-15						3.5	7.5	9.0			10.0			10.5	9.5	4.5					10.0			8.0	2.0	2.5	
15-16	4.5				8.0			3.5	7.5	8.5			8.5	5.5	10.5	5.5	10.5			3.0					8.0	2.0	
16-17	10.5			5.0			3.5	7.5	8.0			6.5	10.5	11.0	11.0	6.0			6.0					8.5	2.5		
17-18	1.5				10.5	9.0	3.5	7.5	8.0			5.0			11.0	7.0			8.5	10.0					9.0	3.0	
18-19	8.0			3.0			3.0	7.0	7.5			3.0	6.5	11.5	2.5	7.5			11.0	7.0			8.0			9.0	3.0
19-20			4.0			3.0	7.0	7.0				1.5			8.5	3.5	11.0			3.5					9.5	3.5	
20-21	5.0				5.0	2.0	3.0	7.0	7.0			10.5	2.5			4.0	9.0			3.0					10.0	4.0	
21-22	11.5					10.5	3.0	7.0	6.5			9.0	8.0			10.0	5.0	10.0	6.0			4.5	7.5	10.0	4.0		
22-23	2.5			3.5	7.0			3.0	7.0	6.0			7.0			5.5	10.5			8.5					10.5	4.5	
23-24	8.5				9.5	3.5	2.5	6.5	6.0			5.5	3.5			11.5	6.5	9.5	11.0	11.0					11.0	4.5	
24-25			3.0	2.0			2.5	6.5	5.0			2.0			3.0	8.0	8.5	3.5	4.5	3.0			1.5			5.0	6.5
25-26	6.0				11.5			2.5	6.5	5.0			11.0	5.0			8.5	3.5			6.0					5.5	
26-27			4.0			2.0	6.0	4.5				9.5	10.0			4.5	9.5	8.0	8.5			6.5					6.0
27-28	3.0			2.0			2.0	6.0	4.0				7.5			10.0	5.0			11.5							6.5
28-29	9.5			2.0			5.5	2.0	6.0	4.0				7.5			10.0	5.0			11.5					6.5	
29-30	1.5				6.0			2.0	6.0	4.0			5.5	6.0			6.0	10.5	7.0					9.5			6.5
30-31	6.5				2.0	6.0	3.5			4.0	11.5			11.5	6.5			3.5	9.0							7.0	

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	V343	V346	RX	SS	SS	RY	SX	TT	WW	WW	AP	AP	AR	AR	CL	EM	EP	HP	HP	IM	SS	SS	SS
	AQL	AQL	ARI	ARI	ARI	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	BOO	BOO	BOO
MAX	10.6	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	10.3	10.3	10.3
MIN	12.3	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	11.0	11.0	11.0
DUR	4	4	4	3	3	6	4	5	5	5	4	4	5	5	4	4	3	3	3	4	18	18	18
TOT																					6	6	6
					(S)					(S)		(S)		(S)				(S)		(2)		(3)	
0- 1				8.0				10.5															
1- 2	8.5			3.5	8.5						9.0								6.5				
2- 3				9.0	4.0												8.5						
3- 4	5.0			4.5	9.0				9.0		8.5					11.5		9.5			3.5	6.5	
4- 5				9.5	4.5			10.5							8.5					9.0			
5- 6		2.5		5.0	10.0		9.0				8.5					7.0	7.5						
6- 7		5.0		10.0	5.5													6.0					
7- 8		7.5		5.5	10.5						8.5												
8- 9		10.0		11.0	6.0	9.0		10.5	10.5					6.5					9.0				
9-10				6.5	11.5							8.0			8.0		11.0			8.5			
10-11					7.0		5.0					11.5	8.0										
11-12				7.0			10.0				8.0												
12-13	10.5				7.5			10.5				11.5		10.0			10.0						
13-14				8.0					11.5									8.5					
14-15	6.5				8.0						11.0	11.5		7.5	10.0					8.5			
15-16		1.5		8.5	3.5												9.0						
16-17	3.0	4.0		4.0	9.0		6.5	10.5			11.0												
17-18		6.5	4.0	9.5	4.5		11.5																
18-19		9.0	4.5	5.0	9.5						11.0						7.5		8.0		8.5		
19-20			5.5	10.0	5.0	6.5									7.0					8.0			
20-21			6.0	5.5	10.5			10.0			10.5							11.5					
21-22			7.0	10.5	6.0																		
22-23			7.5	6.0	11.0		7.5			7.5	10.5						11.0						
23-24			8.5	11.5	6.5													7.5					
24-25			9.0	7.0				10.0			10.0				6.5					8.0			
25-26	8.0		9.5		7.5											8.0	10.0		11.0				
26-27		3.0	10.5	7.5							10.0											2.0	5.0
27-28	4.5	5.5	11.0		8.0	11.0				9.0													
28-29		8.0		8.5			8.5	10.0			10.0						9.0		7.0				
29-30		10.5		4.0	8.5										6.0					7.5			
30-31				9.0	4.0						9.5							10.5					

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

	YY	AC	AK	AM	RW	TY	RZ	TV	TW	ZZ	AB	CW	CW	DZ	IR	IS	IT	IV	MM	OR	OX	OX	PV
	CMI	CMI	CMI	CMI	CAP	CAP	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
MAX	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	10.8	11.6	11.0	11.2	11.3	11.4	10.1	10.1	10.0
MIN	9.1	11.5	11.5	10.4	10.8	11.6	7.8	8.4	8.9	11.1	12.2	12.5	12.5	12.3	12.1	12.6	11.8	12.5	11.9	12.4	10.9	10.9	10.6
DUR	4	3	4	6	5	4	4	4	5	4	4	3	3	4	4	5	5	5	5	4	5	5	3
TOT																							

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

	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	11.7	11.7	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	11.3	11.1	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													2					1
		(S)						(S)													(S)		
0- 1		11.5						5.0	10.0	2.5			4.5							9.0			4.5
1- 2	6.0				9.0			11.0	6.0											8.0			3.5
2- 3			5.0	7.0				7.0	2.0	11.0					3.0	9.0		7.5		7.0	10.5	8.5	2.0
3- 4								3.0	8.0				11.0	1.5	5.0						9.5		
4- 5	8.0					9.5		9.0	4.0					5.5	7.5						8.0		
5- 6		2.5	4.0			7.0		5.0	10.0				2.0	9.5	9.5			7.0		11.0	7.0	7.5	4.0
6- 7				8.5	9.0	4.5		11.0	6.0											9.5	6.0		3.0
7- 8	10.0					2.5		7.0	2.0	3.0							10.5		11.0	8.5			1.5
8- 9		4.5	2.5					3.0	8.0				8.0		3.0		9.0	6.5	10.5	7.5	11.0	6.5	
9-10				1.5				9.5	4.0	11.0					5.0		7.5		10.0	6.0	10.0		
10-11				10.0				5.5	10.5		3.5				7.0		6.0		9.0		8.5		3.5
11-12		6.5	1.5		8.5		5.0	1.5	6.5					5.0	9.0	5.5	4.5	5.5	8.5	11.5	7.5	6.0	2.5
12-13								7.5	2.5		7.0			9.0	11.5		3.0		7.5	10.0	6.5		1.5
13-14				3.5		9.5		3.5	8.5				5.5				1.5		7.0	9.0		11.0	
14-15		8.5				7.5		9.5	4.5	3.5	10.0				2.5				6.5	8.0	11.5	5.0	4.5
15-16	3.0		11.5			5.0		5.5	10.5						4.5				5.5	6.5	10.5		3.5
16-17					8.0	2.5		1.5	6.5	11.5					7.0						9.0	10.5	2.0
17-18		10.5		5.0				7.5	2.5						9.0						8.0		
18-19	5.0		10.0					3.5	8.5				3.0	4.5	11.0					10.5	7.0		
19-20								9.5	4.5					8.0						9.5		9.5	4.0
20-21							10.0	5.5	10.5						2.5	2.0				8.5			3.0
21-22	7.0		9.0	7.0	8.0			2.0	7.0	3.5			9.5		4.5					7.0	11.0		2.0
22-23		1.5				10.0		8.0	3.0						6.5		10.0			6.0	9.5	8.5	
23-24						7.5		4.0	9.0						9.0		8.5				8.5		
24-25	9.5		7.5			5.5		10.0	5.0						11.0		7.0		11.5	11.0	7.5		4.0
25-26		4.0		8.5		3.0		6.0	11.0		3.0			3.5		5.5		10.5	10.0	6.0	7.5		2.5
26-27					7.5			2.0	7.0			11.5	6.5	7.5	2.0	4.0		10.0	8.5				1.5
27-28	11.5		6.5					8.0	3.0		6.5	11.0		11.5	4.5	2.5			9.5	7.5	11.5		
28-29		6.0		1.5				4.0	9.0	4.0		11.0			6.5				8.5	6.5	10.0	6.5	4.5
29-30				10.5				10.0	5.0		10.0	10.5			8.5				8.0		9.0		3.5
30-31			5.0					6.0	11.0			10.0			10.5				7.5		8.0		2.0

	RW	RZ	RZ	SS	SS	CC	CC	U	RW	TW	W	W	RV	RV	SW	WW	ZZ	AE	BR	CG	DK	KR	KV
	COM	COM	COM	COM	COM	COM	COM	CRB	CRB	CRB	CRV	CRV	CRV	CRV	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	9.0	9.3	9.9	10.7	11.8	9.4	11.0	10.3	9.2	11.5
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	10.0	11.8	13.2	12.0	12.8	10.5	11.8	10.8	10.0	12.6
DUR	3	3	3	4	4	2	2	5	4	4	4	4	4	4	5	5	4	4	4	3	4	4	5
TOT															2								
	(S)		(S)		(S)		(S)					(S)		(S)									
0- 1	1.5	4.0		2.0		2.0			1.5		1.5										2.5	1.5	
1- 2		4.0			2.5	2.0				5.0			2.0				7.0		4.5				9.0
2- 3	5.0	4.5		3.5		2.0			6.0					2.5	9.0				11.0	11.0			
3- 4	3.5				4.0	1.5											4.0	8.5	2.0	9.5	11.0		
4- 5	2.5		1.5			1.5	4.0			3.5			2.0			10.5		8.5	8.0	7.0	5.0		
5- 6			1.5			4.0	1.5		4.0	8.0						1.5				6.5	3.5		
6- 7			2.0		1.5	4.0						2.0					7.5		6.0	5.5			
7- 8	4.5		2.5	2.5		3.5			8.0	2.5	1.5		1.5					8.5		4.0			1.5
8- 9	3.5		3.0		3.0	3.5			1.5	6.5							5.0		3.0	2.5			
9-10	2.0		3.0	4.0		3.5											11.0		9.5		9.0		
10-11			3.5		4.5	3.0	7.5	6.0					1.5				2.0			11.0	5.0		
11-12			4.0			3.0				5.5					6.0		8.5		8.5	7.0	9.5	1.5	
12-13	4.0		4.5			3.0										8.0				8.0			
13-14	3.0		4.5		2.0	2.5			3.5			1.5					5.5		4.5	7.0			
14-15	1.5			3.0		2.5				4.0								11.5	10.5	5.5	10.5		
15-16		1.5			3.5	2.5			8.0	8.0							3.0	10.5	8.5	2.0	4.0	7.0	
16-17		1.5		4.5		2.0			1.5								9.0	10.0		8.0	2.5	3.0	
17-18	4.0	2.0				2.0	5.0			2.5								9.0					
18-19	2.5	2.5				2.0			5.5	7.0							6.0	8.5		5.5	11.0		10.0
19-20	1.5	3.0		1.5		1.5						2.0						7.5	8.5		9.5		
20-21		3.0			2.5	4.0	1.5					1.5			9.5		3.5	7.0		3.0	8.0	8.5	
21-22	4.5	3.5		3.0		1.5	4.0		3.5	5.5							9.5	6.5		9.5	7.0	5.0	6.0
22-23	3.5	4.0			4.0	4.0										7.0		5.5			5.5		
23-24	2.0	4.5				3.5			7.5								7.0	5.0	8.5	7.0	4.0		
24-25		4.5				3.5	3.0			4.0								4.0			2.5		2.0
25-26					1.5	3.5											4.0	3.5		4.0		10.0	
26-27	4.0		1.5	2.0		3.0			5.5		1.5					10.5	2.5		10.5	11.0	6.5		
27-28	3.0		1.5		3.0	3.0				3.0							1.5	2.0	8.5	1.5	9.5	2.5	
28-29	2.0		2.0	3.5		3.0				7.0							7.5			8.0	8.0		
29-30			2.5		4.5	2.5			3.0				2.5								7.0		
30-31			3.0			2.5				1.5							5.0			5.5	5.5		

	V346	V387	V388	V401	V456	V466	V466	V477	V548	V704	1034	W	TT	TY	YY	FZ	Z	RZ	TW	UZ	UZ	AI	BH
	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA	DRA	DRA
MAX	11.8	11.5	9.7	10.8	10.8	10.8	10.8	8.3	8.9	13.8	9.6	9.4	10.6	9.6	11.0	10.2	10.8	10.0	7.8	9.9	9.9	7.2	8.0
MIN	13.6	12.3	10.3	11.6	11.9	11.6	11.6	9.2	9.7	14.6	10.6	12.7	12.5	10.8	12.0	11.3	13.6	10.9	9.5	10.7	10.7	8.2	8.6
DUR	5	3	3	4	3	4	4	4	5	4	4	7	5	4	4	3	4	3	5	5	5	4	5
TOT												2							1				
								(S)														(S)	
0- 1				1.5						10.0					2.0	9.0		8.5				10.0	2.0
1- 2		7.5		5.5	9.0		6.5					5.0				3.5		11.0		8.5			
2- 3				9.5	6.5						3.0		11.0		11.5								
3- 4		5.5	9.0		4.0	9.0		3.0			6.5				6.5		8.5	3.0					
4- 5	6.5		5.5	3.5			1.5		8.5	9.5				2.5	1.5	7.0		5.5					
5- 6		4.0	2.5	7.5			11.0	11.5					8.0	7.0		1.5		7.5				5.0	
6- 7		10.5		11.5		3.5			3.5	3.0					10.5		2.0	10.0			5.5	9.5	
7- 8		2.0		1.5						6.0					5.5	10.0	10.5						8.5
8- 9		8.5		5.5			5.5			9.5			5.0			5.0		2.0					
9-10			9.5	9.5	9.5													4.0					4.0
10-11		7.0	6.0		7.0	8.0		4.0		2.5	11.5			1.5	9.5		3.5	6.5	11.0				
11-12			2.5	3.5	4.5					6.0	11.0		1.5	6.0	4.5	8.0		9.0		3.0		5.0	
12-13		5.0		7.5	1.5		10.0			9.5	10.5			10.5		3.0		11.5				9.5	
13-14				11.5		2.5			9.0		9.5								6.0				
14-15		3.0		1.5						2.5	9.0				9.0	11.0	5.5	3.0		9.5			
15-16	6.0	10.0	9.5	5.0			4.5		4.5	6.0	8.5			4.0	6.0			5.5					
16-17			6.5	9.0						9.5	8.0							8.0	1.5				10.5
17-18		8.0	3.0		10.0	7.0		5.0			7.5			5.0				10.5				4.5	
18-19				3.0	7.5					2.5	7.0			9.5	8.0	9.0	7.0					9.5	6.0
19-20		6.0		7.0	5.0		9.0			6.0	6.5				3.0	4.0		2.0			7.0		
20-21				11.0	2.0	1.5				9.0	6.0	10.0						4.5					1.5
21-22		4.0	10.0			11.0					5.5							7.0					
22-23		11.0	6.5	5.0			3.5		9.5	2.5	4.5				7.0	7.0	8.5	9.5					
23-24	11.5	2.5	3.5	9.0						5.5	4.0			4.0	2.0	2.0						4.5	
24-25		9.0				6.0		6.0	5.0	9.0	3.5			8.5						4.0		9.5	
25-26				3.0	10.5					3.0	5.5	10.0			11.5	10.5	2.0	3.5					
26-27	5.0	7.0		7.0	8.0		8.0			2.0	2.5				6.5	5.0	10.5	6.0					
27-28			10.5	11.0	5.5					5.5	2.0				1.5			8.5	7.0	10.5			8.0
28-29		5.5	7.0		2.5	10.0				9.0	1.5		7.0					11.0					
29-30			3.5	5.0			2.5							3.0	10.5	8.5	3.5				1.5	4.5	4.0
30-31		3.5		9.0						2.0				7.5	5.5	3.0		2.5	2.5			9.0	





	WY	DF	DF	SW	SW	VX	AR	AW	CM	CO	CO	DG	GX	Y	WZ	XY	XZ	AM	RR	SS	DELT	RY	UZ
	HYA	HYA	HYA	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LEO	LEO	LEO	LEO	LEO	LEP	LIB	LIB	LYN	LYR
MAX	10.3	11.0	11.0	9.2	9.2	10.9	7.3	10.6	8.5	10.5	10.5	10.8	10.1	9.5	11.3	9.5	10.6	9.2	10.2	10.4	4.8	11.9	9.8
MIN	11.1	11.5	11.5	10.0	10.0	12.3	8.2	11.3	9.5	11.0	11.0	12.0	10.4	12.7	12.0	9.9	11.2	9.8	10.9	11.3	5.9	13.3	11.0
DUR	3	4	4	3	3	4	6	5	4	5	5	4	6	5	5	2	3	3	4	6	7	4	5
TOT							2																
			(S)		(S)						(S)												
0- 1				8.5	4.5						5.0							1.5	10.5				
1- 2				7.5	3.5							5.5											
2- 3				6.5	2.5		11.5	4.0	5.0											3.5			
3- 4				5.5	2.0			7.0			7.0	10.5		11.5									
4- 5				5.0	8.5	1.5	11.0	10.5		2.0								2.0					9.5
5- 6				4.0	7.5	3.5			10.0								1.5				5.0		
6- 7		11.5		3.0	7.0	5.0	10.5				9.0		3.0										7.0
7- 8		11.5		2.0	6.0	7.0				4.0												11.0	
8- 9				9.0	5.0	8.5	10.0											1.5					4.0
9-10				8.0	4.0	10.5					11.0												
10-11	11.0			7.0	3.0		10.0	4.0	5.5	6.0		1.5				1.5							1.5
11-12				6.0	2.5			7.0											10.5				
12-13				5.0	1.5		9.5	10.5				6.5	11.5							5.5	4.5		
13-14				4.5	8.0				10.5	8.0													
14-15				3.5	7.0		9.0				2.0	11.5											
15-16	11.5			2.5	6.5													1.5		2.5			
16-17				1.5	5.5		8.5		10.0														1.5
17-18				8.5	4.5						4.0												
18-19				7.5	3.5		8.0	4.0	6.5														
19-20				6.5	2.5	2.5		7.0										2.0			4.0		
20-21				5.5	2.0	4.5	7.5	10.5			6.0												9.0
21-22				4.5	8.5	6.0			11.5			2.0											10.0
22-23				4.0	7.5	8.0	7.5												10.0				
23-24				3.0	7.0	9.5			2.0		8.0	7.0											7.5
24-25				2.0	6.0	11.5	7.0			3.0													
25-26				9.0	5.0								4.5							4.0			4.5
26-27				8.0	4.0		6.5	4.0	7.0		10.0										3.5	3.0	
27-28			11.5	7.0	3.0			7.0		5.0													2.0
28-29				6.0	2.0		6.0	10.5															
29-30				5.0	1.5										1.5								
30-31				4.0	8.0		5.5			7.0				11.0				1.5				10.0	

all times in U.T.

	EW	FL	RU	RU	RW	AT	BB	EP	U	SX	V501	V508	V839	1010	EF	EF	EQ	ER	ER	ET	FH	FL	FR
	LYR	LYR	MON	MON	MON	MON	MON	MON	OPH	OPH	OPH	OPH	OPH	OPH	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI
MAX	11.2	8.7	10.6	10.6	9.1	10.6	10.6	10.5	5.8	10.5	10.9	10.1	8.8	6.2	12.6	12.6	10.3	9.5	9.5	11.2	10.5	10.5	11.0
MIN	13.6	9.5	11.3	11.3	11.9	11.4	11.3	11.1	6.5	11.2	11.8	10.7	9.4	7.0	14.1	12.8	13.3	10.2	10.2	12.4	11.5	13.2	11.9
DUR	5	4	5	5	5	5	4	5	5	5	4	3	3	4	6	6	4	3	3	5	5	3	4
TOT					1																		
				(S)											(S)			(S)					
0- 1	2.0										4.0	2.0	2.0	5.0									
1- 2		6.5									3.0	2.5	7.5						8.5				
2- 3									4.0		2.5	3.5	3.0	4.5			10.0			11.0			
3- 4		10.5									1.5	4.5	8.5		9.5				11.5	9.5			
4- 5												5.0	4.0	4.5						8.5	9.5		
5- 6												6.0					8.5	9.0					
6- 7												6.5	5.0	4.0					10.5		10.5	11.5	
7- 8									5.0			7.5			10.5								8.5
8- 9												8.5	6.0	3.5									
9-10							11.5					9.0	2.0							9.5			
10-11												2.0	7.0	3.0					11.0				
11-12						11.0		10.0				2.5	3.0										
12-13		4.0							5.5			3.5	8.5	2.5			8.0		9.0				
13-14												4.0	4.0						10.0				
14-15		8.0										5.0		2.5									10.0
15-16												6.0	5.0										
16-17												6.5		2.0		8.5			9.5				
17-18									6.5	2.5		7.5	6.0							11.0			
18-19			10.5									8.5	1.5	1.5									
19-20					10.0			11.0		4.5		9.0	7.0						8.5		10.5		
20-21							11.0					1.5	3.0		9.5				10.0			9.5	
21-22										6.0		2.5	8.5						11.5		11.0		
22-23									7.5			3.5	4.0							10.0			9.0
23-24	11.5										9.5	4.0	9.5						9.0	9.0			
24-25											8.5	5.0	5.0		10.5		10.5			7.5			
25-26	10.0	5.5									8.0	6.0											
26-27											7.0	6.5	6.0										
27-28	9.0	10.0							8.0		6.5	7.5	1.5						9.5				
28-29											5.5	8.5	7.0							11.0			
29-30	7.5										4.5	9.0	3.0										10.5
30-31				10.0							4.0	1.5	8.0						8.5				

	FT	FZ	FZ	GU	GU	U	U	TY	UX	AQ	AQ	AQ	BB	BB	BG	BX	DI	GP	RT	RV	ST	XZ	IQ
	ORI	ORI	ORI	ORI	ORI	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PER	PER	PER	PER	PER
MAX	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	10.2	10.6	10.3	9.7	10.6	7.7
MIN	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	11.0	12.0	12.7	13.2	12.7	8.3
DUR	4	3	3	4	4	3	3	6	5	12	12	12	3	3	4	3	2	4	4	8	5	4	5
TOT										5	5	5				1					1		
			(S)		(S)		(S)			(2)		(3)		(S)									
0- 1		11.0			9.0	2.0	6.5		2.5				9.5	5.0	11.0	2.5			10.0	11.5			
1- 2			11.0			5.0	9.5					1.5	2.5	7.0		5.5	6.0		6.0				
2- 3		11.0				8.0	3.5	10.0					4.5	9.0	10.0	2.0			2.5	11.0	5.5		
3- 4	8.0		11.0	10.5		2.0	6.5		5.0				7.0	2.5		5.0	9.0						
4- 5		11.0		9.0		5.0	9.5						9.0	4.5	9.0	7.5	2.5			10.5		5.0	
5- 6			11.0			8.0	3.5						2.0	6.5		4.0						8.5	
6- 7		11.0				11.0	6.5		7.0	10.0			4.0	8.5	8.0	7.0	5.5		8.5	9.5			5.5
7- 8			11.0		10.5	5.0	9.5						6.0	2.0		3.0			5.0				
8- 9		11.0			9.0	8.0	3.5						8.0	4.0	6.5	6.0	9.0			9.0			
9-10			11.0			11.0	6.5		9.0				1.5	6.0		2.0	2.0						
10-11		11.0				5.0	9.5						3.5	8.0	5.5	5.0					8.5	4.0	
11-12			11.0	10.5		8.0	3.5						5.5	1.5		8.0	5.0		11.0				11.0
12-13		11.0		9.0		11.0	6.5		11.0		1.5	4.0	7.5	3.5	4.5	4.0			7.0	7.5		6.5	
13-14			11.0			5.0	9.5						9.5	5.5		7.0	8.5		3.5			10.0	5.0
14-15		11.0				8.0	3.5						3.0	7.5	3.5	3.0		11.5		7.0			
15-16			11.0		10.5	10.5	6.0						5.0	9.5		6.0		10.5			11.0		
16-17		11.0			9.0	4.5	9.0						7.0	3.0	2.0	2.5	4.5	10.0			6.5		
17-18			11.0			7.5	3.0		2.5				9.0	5.0		5.5		9.5	9.5				
18-19		11.0				10.5	6.0						2.5	7.0		1.5	8.0	9.0	6.0	6.0			10.5
19-20			11.0	10.5		4.5	9.0						4.5	9.0		4.5		8.5				4.0	
20-21		11.0		9.0		7.5	3.0		4.5				6.5	2.0		7.5	11.0	8.0		5.0		8.0	4.5
21-22			11.0			10.5	6.0						8.5	4.0		3.5	4.5	7.0				11.5	
22-23		11.0				4.5	9.0						2.0	6.0		6.5		6.5					
23-24			11.0		10.5	7.5	3.0		6.5	1.5	4.0	6.5	4.0	8.5		2.5	7.5	6.0	8.0		10.0		
24-25		11.0			9.5	10.5	6.0						6.0	1.5		5.5		5.5	4.5				
25-26	9.5		11.0			4.5	9.0						8.0	3.5		1.5	11.0	5.0					10.0
26-27		11.0				7.5	3.0		9.0				1.5	5.5		4.5	4.0	4.5					
27-28			11.0	10.5		10.5	6.0	3.5					3.5	7.5		7.5		3.5				5.5	4.0
28-29		11.0		9.5		4.5	9.0						5.5	9.5		3.5	7.0	3.0	10.5			9.5	
29-30			11.0			7.5	3.0		11.0				7.5	3.0		6.5		2.5	7.0				
30-31		11.0				10.5	6.0	6.0					9.5	5.0		3.0	10.5	2.0	3.5				

all times in U.T.

	IQ	IT	IU	KW	V432	BETA	AE	AE	Y	RV	UZ	U	V505	1968	RS	AO	CC	CC	RW	RZ	TY	WY	AC
	PER	PER	PER	PER	PER	PER	PHE	PHE	PSC	PSC	PUP	SGE	SGR	SGR	SER	SER	SER	SER	TAU	TAU	TAU	TAU	TAU
MAX	7.7	9.9	10.5	10.5	11.0	2.2	7.5	7.5	9.0	11.3	9.7	6.4	6.4	12.3	10.8	10.6	11.1	11.1	8.0	10.5	11.5	11.5	10.5
MIN	7.9	10.5	11.6	11.5	11.7	3.5	8.2	8.2	12.0	12.0	10.3	9.1	7.6	13.3	11.5	12.1	11.7	11.7	12.5	11.2	12.0	11.7	12.3
DUR	5	4	5	4	3	8	2	2	7	3	4	6	5	4	4	4	4	4	4	3	2	4	6
TOT												2							1				
	(S)						(S)				(S)							(S)					
0- 1		10.0		1.5	9.0			8.5							2.0		5.5				9.5		
1- 2			10.5		3.5			10.5	8.0	3.0					6.5		6.5			8.5	11.5		
2- 3			7.0		7.0		8.0			5.5				4.5					6.5			8.5	
3- 4			3.5		10.5		10.0			8.5				7.5	1.5			2.0		10.0			
4- 5					5.0			8.0		11.0			1.5		6.5			2.5				10.0	
5- 6	6.5				8.5	10.0		10.0	2.5			1.5	6.0			6.0		3.5					
6- 7					3.0		8.0			3.0				3.0	1.5	3.5		4.0		8.0			
7- 8			10.5		6.5		10.0			5.5				6.0	6.0			5.0					
8- 9			7.0	10.5	10.0	7.0				8.0		11.0						5.5		10.0			
9-10			3.5	9.0	4.5			9.5		10.5								6.5					
10-11				7.5	8.0									1.5	6.0			7.0					
11-12		4.0		5.5		4.0	9.5			2.5		4.0	4.5				2.0			8.0		8.5	8.0
12-13	6.0			4.0	6.0					5.0		8.5	7.5			7.0	2.5						
13-14			10.5	2.5	10.0			9.5		7.5					5.5	4.0	3.5		8.5	9.5	7.5	10.5	9.0
14-15		5.5	7.0		4.0			11.5		10.0						1.5	4.0				9.5		
15-16			3.5		7.5		9.0					5.0		3.0			5.0			11.5	11.5		10.0
16-17					11.5		11.5		9.5					6.0	5.5		5.5			7.5			
17-18		7.0			5.5			9.0		4.5			2.0				6.5						11.0
18-19					9.5			11.0		7.5			6.5				7.0			9.5			
19-20	5.5		10.5		3.5		9.0			10.0				2.0	5.0			1.5					
20-21		8.5	7.0		7.5		11.0		4.0					5.0		5.0		2.5		11.5		8.5	
21-22			3.5	11.5	11.0			8.5						8.0		2.0		3.5		7.0			
22-23				10.0	5.5			11.0		4.5					5.0			4.0				10.5	
23-24		10.5		8.0	9.0		8.5			7.0							5.0			9.0			
24-25	11.0			6.5	3.5		10.5			9.5			4.0	3.5				5.5	10.0				
25-26			10.5	5.0	7.0			8.5				8.5	8.5	6.5	4.5			6.5		11.0			
26-27	5.0		7.0	3.5	10.5			10.5										7.0		7.0			
27-28			3.5	1.5	5.0		8.0			4.0	11.5					6.0	1.5				8.0		
28-29					8.5	8.5	10.5			6.5				2.0	4.5	3.0	2.5			9.0	9.5		
29-30					3.0			8.0		9.0				5.0			3.0				11.5	9.0	
30-31					6.5			10.0					2.0				4.0			10.5			

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

	VV	AG	AH	AH	AK	AW	AW	AX	AZ	AZ	BH	MS	MS	NY	Z	AW	AX	AY	BE	BO	BS	BT	BU	
	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	
MAX	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	11.0	11.8	10.6	
MIN	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	11.5	12.5	11.4	
DUR	4	4	4	4	4	3	3	4	3	3	4	3	3	1	6	5	5	4	5	4	3	3	3	
TOT				(S)		(S)			(S)			(S)												
0- 1	3.0	3.5		2.5		2.5				1.5		4.0	1.5		1.5	5.5				3.0	10.5			
1- 2			3.0		2.0	4.0				3.0	3.5		2.5	2.0						1.5			4.0	
2- 3		1.5		3.5						4.0				2.0			6.0	7.5					7.5	
3- 4							2.5					3.0		2.5		7.0			1.5		11.0		10.5	
4- 5	3.5						4.0	1.5	2.0			1.5		2.5	9.0	2.5	7.0						9.5	
5- 6						1.5			3.5				4.0	3.0									8.5	3.5
6- 7						3.0		4.0	4.5				2.5	3.0			7.5		4.0		7.5	3.5	7.0	
7- 8					1.5	4.5				1.5				3.5		8.0		3.5			6.0	7.0	10.5	
8- 9	3.5						1.5			2.5		3.0		3.5		3.0	8.0			11.0	5.0	10.5		
9-10		3.5		1.5			3.0			4.0		1.5		1.5	7.0				6.5		4.0		3.5	
10-11			2.0								3.0		4.0	1.5			8.5			10.0	2.5		6.5	
11-12		1.5		2.5		2.0		2.0	2.0				2.5	2.0		8.5					1.5		10.0	
12-13	4.0		3.0			3.5			3.0					2.0		4.0	9.0		9.0	8.5				
13-14	1.5			3.5					4.5			3.0		2.5									10.5	3.0
14-15							2.0			1.5	1.5		2.5	4.5		10.0	9.0			7.0	9.5	3.5	6.0	
15-16							3.5			2.5			4.0	3.0		9.5					8.5	6.5	9.5	
16-17										3.5			2.5	3.0		5.0	10.5			6.0	7.0	10.0		
17-18	2.0					2.5								3.5							6.0		2.5	
18-19		3.5				4.0		3.0	2.0			3.0		3.5			11.0			4.5	5.0		6.0	
19-20			1.5						3.0		2.5	1.5		1.5	2.5	10.0		5.0			4.0		9.0	
20-21		1.5		2.0		2.5		4.0					4.0	1.5		5.5	11.5		3.5	3.5	2.5			
21-22	2.0		2.0			4.0							2.5	2.0							1.5		2.0	
22-23				2.5						2.5				2.0						2.0		3.0	5.5	
23-24			3.0			2.5			3.5	4.5	3.0			2.5		11.0			6.0		10.5	6.5	8.5	
24-25				3.5		4.0			4.5		1.5			2.5		6.5					9.5	10.0		
25-26	2.5						1.5	3.5	1.5				4.0	3.0		1.5					8.5		1.5	
26-27					4.0		3.0		3.0				2.5	3.0	11.5			10.5	8.5		7.0		5.0	
27-28		3.0							4.0					3.5							6.0		8.5	
28-29						1.5					2.5	3.0		3.5		7.0					5.0			
29-30	3.0	1.5				3.0				2.0		1.5		1.5		2.5			11.0		3.5		1.5	
30-31			1.5					1.5		3.5			4.0	1.5							2.5	3.0	4.5	

all times in U.T.

CD  
VUL  
MAX 11.5  
MIN 12.6  
DUR 4  
TOT

- 0- 1
- 1- 2 8.5
- 2- 3
- 3- 4 10.0
- 4- 5 2.5
- 5- 6 11.0
- 6- 7 3.5
- 7- 8
- 8- 9 5.0
- 9-10
- 10-11 6.0
- 11-12
- 12-13 7.0
- 13-14
- 14-15 8.5
- 15-16
- 16-17 9.5
- 17-18 2.0
- 18-19 11.0
- 19-20 3.5
- 20-21
- 21-22 4.5
- 22-23
- 23-24 6.0
- 24-25
- 25-26 7.0
- 26-27
- 27-28 8.0
- 28-29
- 29-30 9.5
- 30-31 2.0