

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

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	V343	V346	SS	SS	RY	SX	TT	WW	WW	AP	AP	AR	AR	CL	EM	EP	HP	HP	IM	SS	SS	SS	TU	
	AQL	AQL	ARI	ARI	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	BOO	BOO	BOO	BOO
MAX	10.6	9.0	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	11.7	
MIN	12.3	10.4	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	12.7	
DUR	4	4	3	3	6	4	5	5	5	4	4	5	5	4	4	3	3	3	4	18	18	18	3	
TOT																				6	6	6		
				(S)					(S)		(S)		(S)					(S)		(2)		(3)		
0- 1										2.5						6.0	4.5						8.5	
1- 2							3.5			5.5													8.0	
2- 3											2.0		2.5										7.5	
3- 4	11.0									5.5				4.0		5.0					10.5		6.5	
4- 5		7.0						4.0		2.0		4.0							3.5				6.0	
5- 6	7.5	9.5				3.5	3.5			5.0					5.5			4.0					5.5	
6- 7											1.5		5.5			4.0							5.0	
7- 8			1.0								5.0				1.0								4.0	
8- 9				1.5						1.5	8.5			3.5									3.5	
9-10			1.5				3.5	5.5		5.0						3.0			3.0				3.0	
10-11				2.0						8.0	1.5						3.5						2.0	
11-12						5.0					4.5									1.0	4.0	7.0	1.5	
12-13										1.0	8.0					1.5							8.5	
13-14					4.5		3.5			4.5				3.0		6.0							8.0	
14-15								6.5		8.0	1.0								3.0				7.5	
15-16		8.5									4.5							3.0					6.5	
16-17	9.0	11.0				1.0					7.5				4.0	5.0							6.0	
17-18						6.0	3.5				4.0												5.5	
18-19									1.5	7.5				2.5									4.5	
19-20											4.0					4.0			2.5				4.0	
20-21											7.5						2.5						3.5	
21-22				1.0			3.5				4.0												3.0	
22-23			1.5			2.0					7.0					3.0		6.0					2.0	
23-24				2.0					2.5		3.5			2.0									1.5	
24-25			2.0		2.0						7.0								2.5				8.5	
25-26		7.5					3.5				3.5					2.0		2.0					8.0	
26-27		10.0									7.0					6.0				6.5	9.5		7.5	
27-28	10.5										3.5				2.0		5.5						6.5	
28-29						3.5			4.0		6.5			1.5									6.0	
29-30	7.0						3.5			3.0						5.0			2.0				5.5	

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

	UU	XZ	YY	AC	AK	AM	AM	RW	TY	RZ	TV	TW	ZZ	AB	CW	CW	DZ	GT	IR	IS	IT	IV	MM	
	CMA	CMI	CMI	CMI	CMI	CMI	CMI	CAP	CAP	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	
MAX	10.0	9.7	8.5	11.0	10.1	10.0	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	11.2	11.3	
MIN	12.5	10.2	9.1	11.5	11.5	10.7	10.4	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	12.5	11.9	
DUR	5	3	4	3	4	5	6	5	4	4	4	5	4	4	3	3	4	5	4	5	5	5	5	
TOT																								
									(S)								(S)							
0- 1		1.5	3.5			4.5							8.5	1.5	3.0	7.0				11.5		10.0	5.5	
1- 2		5.0	5.5		1.0	5.0					10.0			10.5	2.0	6.0	8.5		5.5		5.5	10.0	9.0	
2- 3					4.0	5.5									1.0	5.0	3.0	8.5		7.5		10.0		
3- 4						6.0					5.5	8.5			7.5	4.0				6.5		10.0		
4- 5		2.5				6.5							2.0	4.0	6.5	3.0	11.5				4.0		9.5	
5- 6	2.0	6.5		5.0						6.5	1.0		8.0		5.5	2.0	6.5	8.5	7.5		3.0		9.5	
6- 7				2.0	3.0					11.5		5.0			4.5	8.5	1.5						9.5	
7- 8					6.5										3.5	7.5			8.5				9.5	4.0
8- 9		4.0							8.5					6.5	2.5	6.5	10.0	8.0					9.5	8.0
9-10												1.5	1.5		1.5	5.5	4.5			9.5			9.5	11.5
10-11					2.0					1.5	11.5		7.5		8.0	4.0				2.0			9.5	
11-12		1.0	2.0	7.0	5.5					6.0					7.0	3.0		8.0	10.5				9.5	
12-13		5.0	4.5	3.5						11.0	7.0			9.0	6.0	2.0	8.0			3.0			9.5	
13-14			6.5											8.5	5.0	1.0	3.0			11.5	9.0		9.5	
14-15					1.5						2.5		1.0		4.0	7.5		7.5	4.0				9.5	3.0
15-16		2.5			4.5			11.5					7.0	2.5	3.0	6.5	11.5				5.0		9.5	6.5
16-17		6.5										5.0		11.0	2.0	5.5	6.0			5.0			9.5	10.5
17-18										5.5					8.5	4.5	1.0	7.5		1.5			9.5	
18-19	2.0			5.5						10.0					7.5	3.5				6.0			9.0	
19-20		3.5		2.0	3.5		1.0	11.5				1.5		5.0	6.5	2.5	9.5						9.0	
20-21													6.0		5.5	1.5	4.5	7.0	7.0				9.0	
21-22											8.5				4.5	8.0							9.0	1.5
22-23		1.0													3.0	7.0				8.0			9.0	5.5
23-24		5.0			2.5					5.0	4.0	8.5		7.0	2.0	6.0	7.5	7.0					9.0	9.5
24-25			5.0		6.0					3.5					1.0	5.0	2.5			9.0	10.0		9.0	
25-26				4.0						4.0	10.5				7.5	4.0				1.0			9.0	
26-27		2.5								4.5		5.0	11.5		6.5	3.0	11.0	6.5	10.0	6.5			9.0	
27-28		6.0			1.5					5.0				9.5	5.5	2.0	6.0			2.5			9.0	
28-29					5.0					5.5					4.5	8.5				11.0	2.5		9.0	
29-30										6.0		4.5		1.5		3.5	7.5		6.5	3.5			9.0	4.5

	OR	OX	OX	PV	V364	V364	V375	V380	U	SU	WW	WZ	WZ	XX	ZZ	DK	DL	DV	EG	EK	GK	RW	RW
	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	COM	COM
MAX	11.4	10.1	10.1	10.0	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	11.0	11.0
MIN	12.4	10.9	10.9	10.6	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	11.6	11.6
DUR	4	5	5	3	4	4	5	5	4	4	4	3	3	4	5	4	5	4	3	6	4	3	3
TOT									2														
			(S)			(S)							(S)										(S)
0- 1	4.5						10.5			4.5		7.5	2.5							9.5	6.0	4.5	1.5
1- 2	10.0				8.0			5.5	2.5			3.5	8.5						1.0		4.5	3.5	6.0
2- 3				6.0		2.5						9.5	4.5						3.0		3.0	2.0	5.0
3- 4		6.0					9.5	11.5				5.5	10.5			4.0	1.5	5.5		1.5	1.0	3.5	
4- 5				10.0						9.0	1.5	6.5					5.5	7.5			5.5	2.5	
5- 6	4.0											7.5	2.5	6.0			9.5	9.5			4.0	1.5	
6- 7	10.0					8.0	5.0	5.0				3.5	8.5			10.0		11.5			3.0	6.0	
7- 8									9.5			10.0	5.0									1.5	4.5
8- 9		5.5							7.5			6.0	11.0		11.5	1.5		3.0			6.0	3.5	
9-10			11.5	6.0	1.5		7.0		5.0			2.0	7.0			11.0		5.0	6.0		5.0	2.0	
10-11	3.5							6.5	2.5			8.0	3.0	1.5	11.0			7.0			4.0	1.0	
11-12	9.5					9.0		4.5				4.0	9.0			10.5	7.5	5.0	9.5		11.5	2.5	5.5
12-13				3.5		5.5						10.0	5.0	6.0	5.0	10.0		8.5	11.5		10.0	1.5	4.0
13-14		5.0										6.0	1.0			10.0					8.5	6.0	3.0
14-15			11.0			11.0		8.5				2.0	7.0		8.0	9.5		2.5			7.0	4.5	2.0
15-16	3.0					4.5						8.0	3.0			9.0		5.0			5.5	3.5	6.5
16-17	9.0			6.0				4.5	10.0			4.0	9.0		11.5	9.0	5.0		7.0		4.0	2.0	5.0
17-18							1.5		7.5			10.0	5.0			8.5			9.0		2.5	1.0	4.0
18-19		4.5			7.5		3.0	10.0		5.5	4.5	6.5	1.0			8.0		4.0	11.5	2.5	1.0	5.5	2.5
19-20			10.5			2.0			3.0			2.5	7.5	6.5		8.0	11.5	8.0				4.5	1.5
20-21	2.5											8.5	3.5			7.5			2.5			3.0	6.0
21-22	8.5				9.5		2.0	3.0	4.0			4.5	9.5			7.0	2.5		4.5			2.0	4.5
22-23						4.0		11.5				10.5	5.5			7.0			7.0			6.5	3.5
23-24		4.0		6.0								6.5	1.5			6.5			9.0			5.0	2.0
24-25			10.0		11.5							2.5	7.5			6.0	8.5		11.0			4.0	1.0
25-26	2.5						5.0		10.5			8.5	3.5		1.0	6.0		3.5				2.5	5.5
26-27	8.0							3.5	8.0			4.5	9.5	7.0		5.5		7.5	2.5		11.0	1.5	4.5
27-28									5.5	9.0	10.5	5.5			4.5	5.0		11.0	4.5		9.5	6.0	3.0
28-29		3.5				8.0	10.5		3.5			6.5	1.5			5.0			6.5		8.0	4.5	2.0
29-30			9.5		2.5			6.5	1.0			2.5	7.5		8.0	4.5	6.0		8.5		6.5	3.5	6.5

	RZ	RZ	SS	SS	CC	CC	U	RW	TW	W	W	RV	RV	V	SW	WW	ZZ	AE	BR	CG	DK	KR	KV
	COM	COM	COM	COM	COM	COM	CRB	CRB	CRB	CRV	CRV	CRV	CRV	CRT	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG
MAX	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	9.5	9.3	9.9	10.7	11.8	9.4	11.0	10.3	9.2	11.5
MIN	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	10.2	11.8	13.2	12.0	12.8	10.5	11.8	10.8	10.0	12.6
DUR	3	3	4	4	2	2	5	4	4	4	4	4	4	4	5	5	4	4	4	3	4	4	5
TOT															2								
		(S)		(S)		(S)					(S)		(S)										
0- 1	7.0	3.0	7.0	2.0	1.0	4.0			3.0	5.0	9.5		3.5	2.0								9.0	
1- 2	7.5	3.5	3.0	8.0	3.5	1.0	3.0	11.5	7.5	9.0	4.5	7.0				8.0		10.5	9.0				7.0
2- 3	8.0	4.0	8.5	3.5	6.0	3.5		5.0	11.5	3.5	8.5		9.5	4.5									
3- 4	8.5	4.0	4.5	9.5	3.5	6.0			2.0	7.5	3.0		3.5			5.5			6.5	11.5			
4- 5	8.5	4.5	10.0	5.0	6.0	3.0		9.5	6.0	2.0	7.0	6.5		7.0		11.5				10.5			
5- 6	9.0	5.0	6.0	1.0	3.0	5.5		3.0	10.5	6.0	1.5		9.0		5.0			10.5			9.0	10.5	
6- 7	1.5	5.5	2.0	6.5	5.5	3.0				10.0	5.5		3.0			8.5			10.5	7.5	7.0		
7- 8	1.5	5.5	7.5	2.5	2.5	5.5		7.0	5.0	4.5	9.5	6.5		2.5									
8- 9	2.0	6.0	3.5	8.5	5.0	2.5			9.0	8.5	4.0		9.0			6.0	6.0			7.5			
9-10	2.5	6.5	9.0	4.0	2.5	5.0		11.5		3.5	8.0		3.0	5.0					10.0				
10-11	2.5	7.0	5.0	10.0	5.0	2.0		5.0	3.5	7.0	2.5	6.0						11.5					
11-12	3.0	7.0	10.5	5.5	2.0	4.5	11.5		7.5	2.0	6.5		8.5	7.5			9.5	11.0		11.5	11.5	8.5	
12-13	3.5	7.5	6.5	1.5	4.5	2.0		9.0		6.0	1.0		2.5				10.0				10.5		
13-14	4.0	8.0	2.0	7.0	1.5	4.5		2.5	2.0	9.5	5.0	6.0					6.5	9.5	10.0	9.0	9.0		
14-15	4.0	8.5	8.0	3.0	4.0	1.5			6.5	4.5	9.0		8.5	3.0	8.5			8.5			7.5		
15-16	4.5	8.5	4.0	8.5	1.5	4.0		7.0	10.5	8.5	3.5		2.5				4.0	8.0		6.5			
16-17	5.0	1.0	9.5	4.5	4.0	1.0				3.0	7.5	5.5		5.5			10.0	7.0				10.0	
17-18	5.5	1.5	5.5	10.5	1.0	3.5		11.5	5.0	7.0	2.0		8.0				6.5	10.0				6.5	
18-19	5.5	1.5	1.0	6.0	3.5	6.0	9.5	4.5	9.5	1.5	6.0		2.0	8.0		5.0	7.5			10.0			8.0
19-20	6.0	2.0	7.0	2.0	6.0	3.5				5.5	10.0	5.5											
20-21	6.5	2.5	2.5	7.5	3.0	6.0		9.0	3.5	9.5	4.5		8.0				4.5			7.5	10.5		
21-22	7.0	3.0	8.5	3.5	5.5	3.0		2.5	8.0	4.0	8.5		2.0	3.5			11.0		10.0		9.0		
22-23	7.0	3.0	4.0	9.0	3.0	5.5				8.0	3.5	5.0									7.5	8.0	
23-24	7.5	3.5	10.0	5.0	5.5	2.5		6.5	2.5	2.5	7.0		7.5	6.0			8.0			11.5			
24-25	8.0	4.0	5.5	10.5	2.5	5.0			6.5	6.5	2.0		1.5										
25-26	8.5	4.5	1.5	6.5	5.0	2.5	7.0	11.0	11.0	1.0	6.0	5.0		8.5			5.5		10.0	8.5			
26-27	8.5	4.5	7.5	2.5	2.0	5.0		4.5		5.0	9.5		7.5	1.0			11.5						
27-28	1.0	5.0	3.0	8.0	4.5	2.0			5.5	9.0	4.5		1.5							6.0		10.0	
28-29	1.5	5.5	9.0	4.0	2.0	4.5		9.0	9.5	3.5	8.5	4.5		4.0			9.0				10.5	6.0	
29-30	1.5	6.0	4.5	9.5	4.5	1.5		2.0		7.5	3.0		7.0						10.0		9.0		

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

	S	YY	YY	RW	SX	TX	WW	AF	AL	RX	SZ	TT	TU	UX	CC	CT	DI	HS	HS	LT	V728	WY	WY
	EQU	ERI	ERI	GEM	GEM	GEM	GEM	GEM	GEM	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER	HYA	HYA
MAX	8.0	8.4	8.4	9.6	10.8	10.0	9.8	10.2	9.3	7.1	10.2	9.7	10.6	8.9	9.5	9.9	8.4	8.5	8.5	10.7	10.9	10.3	10.3
MIN	10.0	9.1	9.1	11.6	11.7	11.9	10.5	11.3	10.0	7.7	12.0	10.4	13.4	9.8	12.8	11.2	9.1	9.0	9.0	11.1	11.5	11.1	11.1
DUR	5	3	3	5	5	6	4	4	4	5	4	4	5	5	4	4	6	4	4	4	3	3	3
TOT				1									1										
			(S)															(S)				(S)	
0- 1				5.5						10.0			2.5								9.5		
1- 2						1.5			6.5		11.0										8.0		2.0
2- 3	11.5	2.5					3.0			5.0	6.5		9.0								7.0	3.5	
3- 4		1.5		2.5				2.0						5.0					11.0		5.5		5.5
4- 5									1.5						7.0	8.0		6.0			4.0		
5- 6																					2.5		
6- 7					1.5						9.0	10.0		7.0		3.0				5.0	1.5		2.0
7- 8			2.0				1.5			4.5	7.5									7.0	11.0	4.0	
8- 9			1.0					1.5	5.5			5.5						8.5	9.0	10.0			5.5
9-10	8.5									7.5		3.5	4.0	9.5			9.5			11.0	8.5		
10-11					4.0						11.0										7.0		
11-12		2.5									6.5		10.5		5.5	11.5					5.5		2.5
12-13		1.5				6.0												10.5			4.5	4.0	
13-14							6.5									6.5			6.5		3.0		6.0
14-15								6.5													1.5		
15-16						1.5			4.5		8.5										11.5	1.0	
16-17			2.0							10.5	4.5	10.5			10.5						10.0		2.5
17-18			1.0									8.5						8.0			8.5	4.5	
18-19							5.0			5.0		6.5	5.5		4.0				4.5		7.5		6.5
19-20								6.0			11.0	4.5								5.0	6.0		
20-21		2.5									6.5			6.0		10.0					7.0	4.5	1.5
21-22		1.5			2.5														11.0	9.0	3.0		3.0
22-23									3.5							5.0		6.0		11.0	2.0	5.0	
23-24				4.0			4.0							8.0	9.0								6.5
24-25								5.5			8.5										10.5		
25-26			2.0		5.0					8.0	4.5										9.0	1.5	
26-27			1.0			6.0						11.5		10.5				9.0			7.5		3.5
27-28												9.5	7.5								6.5	5.0	
28-29							3.0				11.0	7.0									5.0		7.0
29-30		2.5				1.5		4.5	2.5		6.5	5.0				8.5					3.5		

	AV	DF	DF	DI	DK	SW	SW	VX	AR	AW	CM	CO	CO	DG	GX	Y	UU	UV	VZ	WZ	XY	XZ	AM
	HYA	HYA	HYA	HYA	HYA	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LEO	LEO	LEO	LEO	LEO	LEO	LEO	LEO
MAX	10.2	11.0	11.0	11.0	10.5	9.2	9.2	10.9	7.3	10.6	8.5	10.5	10.5	10.8	10.1	9.5	11.4	9.5	10.6	11.3	9.5	10.6	9.2
MIN	10.6	11.5	11.5	12.0	11.0	10.0	10.0	12.3	8.2	11.3	9.5	11.0	11.0	12.0	10.4	12.7	12.7	10.2	11.7	12.0	9.9	11.2	9.8
DUR	4	4	4	4	4	3	3	4	6	5	4	5	5	4	6	5	4	3	4	5	2	3	3
TOT									2														
			(S)				(S)						(S)										
0- 1	1.5	5.0	1.0			11.5	7.5	8.5					9.0				3.5		9.0	5.5	6.0	6.0	
1- 2		5.0				10.5		10.0				4.0					8.5			2.0	5.0	8.5	
2- 3	2.5	4.5		4.5		9.5					6.0					9.5	5.0			5.5	4.5	2.0	
3- 4		4.5			1.5	8.5							11.0					4.0		5.0	1.5	4.0	4.5
4- 5	4.0	4.0		1.0	2.5	8.0	11.5			4.0		6.0		2.0		2.0		8.5			5.0	3.5	7.0
5- 6		4.0	8.0	6.5	3.5		10.5		11.5	7.0	11.0										1.5	3.0	9.0
6- 7	5.0	4.0	8.0		4.5		10.0			10.5				7.0				4.0			4.5	2.5	2.5
7- 8		3.5	7.5	2.5	5.5		9.0		11.0			8.0			9.0		6.0	8.5	2.0		1.0	1.5	5.0
8- 9	6.5	3.5	7.5		6.5		8.0						2.0						4.0		4.5	1.0	7.5
9-10		3.0	7.0			11.0			10.5							3.5		4.0	6.0		1.0		9.5
10-11	7.5	3.0	7.0	4.5		10.0					7.0	10.0						8.5	8.5	5.5	4.0		3.0
11-12		3.0	7.0			9.0			10.5				4.0								7.5		5.5
12-13		2.5	6.5			8.0				4.0							7.0	4.0			4.0		8.0
13-14	1.0	2.5	6.5	6.0		7.5	11.0		10.0	7.0								8.5		1.5	7.0		1.5
14-15		2.0	6.0				10.0	7.5		10.5			6.0			5.0					3.5	9.5	4.0
15-16	2.5	2.0	6.0	2.5	1.5		9.5	9.5	9.5		1.0		2.5					4.0			7.0	8.5	6.0
16-17		2.0	6.0		2.5		8.5	11.0										8.5			3.5	8.0	8.5
17-18	3.5	1.5	5.5		3.5	11.5	7.5		9.0				8.0	7.5			8.0			6.5	6.5	7.5	2.0
18-19		1.5	5.5	4.0	4.5	10.5					7.5	3.0						4.0			3.0	7.0	4.5
19-20	5.0	1.0	5.0		5.5	9.5			8.5							6.0		8.5	1.5		6.5	6.5	6.5
20-21		1.0	5.0		6.5	8.5				4.0			10.0		2.0				4.0	2.5	3.0	5.5	9.0
21-22	6.0		5.0	6.0		7.5	11.5		8.5	7.0		5.0						4.0	6.0		6.0	5.0	2.5
22-23			4.5				10.5			10.5							9.0	8.5	8.0		2.5	4.5	5.0
23-24	7.0		4.5	2.5			10.0		8.0												6.0	4.0	7.5
24-25			4.0				9.0					7.0				7.5	1.0	4.0		7.5	2.5	3.5	9.5
25-26	8.5	8.0	4.0				8.0		7.5				1.0					8.5			5.5	3.0	3.0
26-27		8.0	4.0	4.0		11.0					8.0			3.5	10.5						2.0	2.0	5.5
27-28		7.5	3.5		1.5	10.0			7.0			9.0						4.0		3.5	5.5	1.5	8.0
28-29	2.0	7.5	3.5		2.5	9.0				4.0			3.0	8.5				8.5			2.0	1.0	1.5
29-30		7.0	3.0	6.0	3.5	8.0		8.5	6.5	7.0						9.0	2.0				5.0		4.0

	T	RR	SS	DELT	RY	UZ	EW	FL	RU	RU	RW	BB	BO	EP	U	SX	V501	V508	V839	1010	EF	EF	EQ
	LMI	LEP	LIB	LIB	LYN	LYR	LYR	LYR	MON	MON	MON	MON	MON	MON	OPH	OPH	OPH	OPH	OPH	OPH	ORI	ORI	ORI
MAX	10.2	10.2	10.4	4.8	11.9	9.8	11.2	8.7	10.6	10.6	9.1	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	12.6	10.9	11.3	5.9	13.3	11.0	13.6	9.5	11.3	11.3	11.9	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	6	4	6	7	4	5	5	4	5	5	5	4	5	5	5	5	4	3	3	4	6	6	4
TOT											1												
									(S)													(S)	
0- 1	7.5		11.5		7.5								5.0				4.5	8.5	4.5				
1- 2							6.5	7.0				1.5						9.5	10.0				
2- 3																		10.5	5.5				
3- 4	8.0		8.5		4.5	11.0	5.0	11.5							9.5			11.0	11.0		3.0		
4- 5									5.0		4.0								7.0	11.5			
5- 6						8.5	4.0											4.5					3.0
6- 7	8.0		5.5	4.5	1.0						2.0	4.5						5.5	8.0	11.0			
7- 8		2.5				6.0												6.0				4.0	
8- 9															10.5			7.0	9.0	10.5			
9-10	8.5									1.0		2.5	2.5					8.0	4.5				
10-11					8.5													8.5	10.0	10.5			
11-12																4.5		9.5	5.5		5.0		
12-13	9.0							4.5				1.0						10.5	11.0	10.0			3.0
13-14			10.5	4.0	5.5										11.5	6.0		11.0	6.5				
14-15								8.5													9.5		
15-16	9.5			11.5										4.0		7.5		4.5	8.0				
16-17			7.5		2.5					5.0								5.5		9.0	2.0		
17-18											4.0					9.0		6.0	9.0				
18-19	10.0	2.0																7.0	4.5	9.0			
19-20			4.5													10.5		8.0	10.0				2.5
20-21				3.5	9.5	11.5						2.5	5.5		4.5			8.5	5.5	8.5		3.0	
21-22	10.5																	9.5	11.0				
22-23				11.5		9.0			3.5					1.5			11.0	10.5	6.5	8.0			
23-24					6.5						5.5			5.0			10.5	11.0					
24-25						6.5											9.5		8.0	7.5	4.0		
25-26								6.0			3.0				5.0		8.5	4.5					
26-27			9.0		3.5	3.5											8.0	5.5	9.0	7.5			2.0
27-28				3.0				10.5			1.0						7.0	6.0	4.5				
28-29												4.0					6.5	7.0	10.0	7.0		5.5	
29-30		1.5	6.0	11.0									3.5				5.5	8.0	5.5				

	ER	ER	ET	FH	FL	FR	FT	FZ	FZ	GU	GU	U	TY	UX	AQ	AQ	BB	BB	BG	BX	DI	GP	Z
	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PER
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	10.5	10.7	10.3	10.3	10.6	10.6	10.5	10.9	9.6	10.2	9.9
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	12.6	12.0	13.0	13.0	11.2	11.2	11.8	11.5	10.8	11.0	12.4
DUR	3	3	5	5	3	4	4	3	3	4	4	3	6	5	12	12	3	3	4	3	2	4	6
TOT															5	5			1				2
		(S)							(S)		(S)	(S)			(2)			(S)					
0- 1								1.5				11.0						9.0		10.0			
1- 2									1.5	4.5								11.0	10.0				
2- 3	1.5					4.5		1.5		3.0							9.0			9.0			
3- 4		2.5				1.5			1.5	1.5		11.0					11.0		9.0				
4- 5								1.5										8.5		8.0			
5- 6									1.5		4.5							10.5		11.0			
6- 7		2.0						1.5		3.0	11.0				8.5	10.5	8.5			7.0			
7- 8	3.0								1.5		1.5						10.5			10.0			
8- 9				2.0				1.5															
9-10		1.0							1.5	4.5		11.0		8.5				10.0		9.5			
10-11	2.5					3.0		1.5		3.0													10.0
11-12									1.5	1.5								10.0		8.5			
12-13					2.5			1.5				11.0		10.5							11.5		
13-14	1.5								1.5		4.5							9.5		7.5			11.5
14-15		3.0	3.5					1.5		3.0								11.5		10.5			
15-16			2.0				2.0		1.5		1.5	11.0						9.5					
16-17			1.0					1.5										11.5		9.5	11.5	11.5	
17-18		2.0				5.0		1.5	4.5					10.5				9.0				10.5	
18-19	3.5					2.0	5.5	1.5		3.0		11.0						11.0		8.5		10.0	
19-20								1.5	1.5									8.5		11.5		9.5	
20-21		1.0						1.5										10.5		7.5		9.0	
21-22	2.5							1.5		4.5	11.0							8.5		10.5	11.0	8.5	
22-23								1.5		3.0								10.5					
23-24				3.5				1.5		1.5										10.0			
24-25	1.5							1.5			11.0							10.0					
25-26		3.0				3.5		1.5	4.5			11.0								9.0			
26-27				1.5				1.5	3.0					8.5				10.0			10.5		
27-28								1.5	1.5		11.0									8.0			
28-29		2.5						1.5										9.5		11.0			
29-30								1.5		4.5				10.5				11.5		7.0			

	RT	RV	ST	XZ	IQ	IQ	IT	IU	KW	V432	BETA	Y	RV	UZ	UZ	AV	U	V505	1968	RS	AO	CC	CC	
	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PSC	PSC	PUP	PUP	PUP	SGE	SGR	SGR	SER	SER	SER	SER	
MAX	10.6	10.3	9.7	10.6	7.7	7.7	9.9	10.5	10.5	11.0	2.2	9.0	11.3	9.7	9.7	10.2	6.4	6.4	12.3	10.8	10.6	11.1	11.1	
MIN	12.0	12.7	13.2	12.7	8.3	7.9	10.5	11.6	11.5	11.7	3.5	12.0	12.0	10.6	10.3	10.8	9.1	7.6	13.3	11.5	12.1	11.7	11.7	
DUR	4	8	5	4	5	5	4	5	4	3	8	7	3	4	4	3	6	5	4	4	4	4	4	
TOT			1														2							
						(S)								(S)									(S)	
0- 1	2.0	3.0							1.5	2.5					1.0				6.5			11.0	4.5	
1- 2														5.5					9.5	6.0		11.5	5.5	
2- 3		2.5																		11.0	9.5		6.0	
3- 4						11.5		11.0		4.0			11.0		5.5	2.0					6.5		7.0	
4- 5		1.5		3.0							3.0				5.0					6.0	3.5	1.5	7.5	
5- 6	4.5		1.0			5.5		4.0		2.0				5.0			9.0	10.0	8.0	10.5		2.5	8.5	
6- 7	1.0	1.0			4.5														11.0			3.0	9.5	
7- 8															5.0							4.0	10.0	
8- 9									10.5	3.5			11.0			2.5				10.5		4.5	11.0	
9-10	10.5							11.0	9.0					4.5		5.0				6.5	10.0	5.5	11.5	
10-11						11.0	11.0		7.5	1.5										9.5		7.5	6.0	
11-12	3.5			1.0				4.0	6.0						4.0				8.0		10.0	4.5	7.0	
12-13				4.5		5.0			4.0														7.5	
13-14					4.0				2.5	3.0			10.5	4.0		2.5							8.5	2.5
14-15																5.0				8.5	10.0		9.0	3.0
15-16							1.5	11.0		1.0					3.5				11.5			10.0	4.0	
16-17	5.5									5.0												11.0	11.0	4.5
17-18	2.0							4.0							3.0						9.5	8.0	11.5	5.5
18-19							3.0			2.5	11.0											5.5		6.0
19-20				2.5		4.5									3.0	5.5			10.0	7.0		2.5		7.0
20-21	11.5			6.0	3.0																9.5			7.5
21-22								11.0	11.5	4.5					2.5								2.0	8.5
22-23	4.5								10.0								6.5						3.0	9.0
23-24								4.0	8.5	2.5					2.5	3.0				8.5	9.0		4.0	10.0
24-25									6.5		5.0					5.5			8.0	11.5		9.0	4.5	10.5
25-26									5.0			10.0	2.0	2.0								6.0	5.5	11.5
26-27						3.5			3.5	4.0											9.0	3.0	6.0	
27-28				4.0	2.5			11.0	1.5		1.5				1.5					7.0			7.0	
28-29	3.0									2.0										10.0			7.5	
29-30				11.0				4.0							1.5						9.0		8.5	2.0

	Y	RW	RZ	TY	WY	AC	AM	AQ	CT	EQ	EQ	HU	V	X	RS	RV	W	W	TX	TY	TY	UX	UX
	SEX	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TRI	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMA	UMA	UMA
MAX	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	11.7	12.7	12.7
MIN	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	12.4	13.8	13.8
DUR	3	4	3	2	4	6	5	5	5	3	3	6	4	4	4	4	3	3	6	3	3	1	1
TOT		1																					

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

	VV	XZ	ZZ	AF	W	RU	VV	AG	AH	AH	AK	AW	AW	AX	AZ	AZ	BH	MS	MS	NY	Z	AW	AY
	UMA	UMA	UMA	UMA	UMI	UMI	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VUL	VUL	VUL
MAX	10.1	10.1	9.8	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
MIN	11.0	11.7	11.2	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	12.9
DUR	3	3	4	8	7	4	4	4	4	4	4	3	3	4	3	3	4	3	3	1	6	5	4
TOT																							
									(S)			(S)				(S)				(S)			
0- 1		3.5			3.0		8.0	1.0	1.0	6.0	3.5	8.0	3.5	7.5	5.0	9.0		3.5	7.5	1.0		7.0	
1- 2	7.0	9.0				2.0	5.5	8.0	6.5	1.5	8.5	9.5	5.0		6.0	2.0	10.0	2.0	6.0	1.5			7.0
2- 3			6.0			3.5	2.5		2.0	7.0		2.5	6.5	10.0	7.5	3.0	6.0	8.0	4.5	1.5			
3- 4	8.5					4.5	11.0	6.0	7.5	2.5		4.0	8.0	3.0	8.5	4.5	1.5	6.5	3.0	1.5			
4- 5						5.5	8.0		3.0	8.0		5.5	1.0		1.5	5.5		5.0	9.0	2.0		8.0	
5- 6	10.0				5.5	7.0	5.5	4.5	8.5	3.5		7.0	2.5	5.5	2.5	6.5		3.5	7.5	2.0			
6- 7	2.5	6.0				8.0	3.0	11.0	4.0	9.0	3.0	8.5	4.0		3.5	8.0	8.0	2.0	6.0	2.5			
7- 8	11.5	11.5				9.5	11.0	2.5	9.0	4.5	7.5	1.5	5.5	8.0	5.0	9.0	3.5	8.0	4.5	2.5			
8- 9	4.0					10.5	8.5	9.5	5.0	9.5		3.0	7.0	1.0	6.0	2.0		6.5	3.0	3.0		8.5	
9-10			3.5			11.5	6.0		10.0	5.0		4.5	8.5	10.5	7.0	3.0		5.0	9.0	3.0			
10-11	5.5				8.0		3.5	7.5	5.5	10.5		6.0	1.5	3.5	8.5	4.0	10.0	3.5	7.5	1.0			
11-12		3.5	11.0	2.5		1.5	11.5		1.0	6.0		7.5	3.0		1.0	5.5	5.5	2.0	6.0	1.5			
12-13	6.5	9.0				2.5	9.0	6.0	6.5	1.5	2.0	8.5	4.5	6.0	2.5	6.5	1.0	8.0	4.5	1.5		9.5	
13-14						4.0	6.5		2.0	7.0	6.5	1.5	6.0		3.5	7.5		6.5	3.0	2.0	11.0		8.5
14-15	8.0					5.0	4.0	4.0	7.5	2.5	11.5	3.0	7.5	9.0	4.5	9.0		5.0	9.0	2.0			
15-16					10.5	6.0		11.0	3.0	8.0		4.5	9.0	1.5	6.0	1.5	7.5	3.5	7.5	2.0			
16-17	9.5		1.0	9.0		7.5	9.5	2.5	8.5	3.5		6.0	2.0	11.5	7.0	3.0	3.0	2.0	6.0	2.5		10.0	
17-18	2.0	6.0			3.0	8.5	6.5	9.5	4.0	9.0		7.5	3.5	4.0	8.0	4.0		8.0	4.5	2.5			
18-19	11.0	11.5	8.5			10.0	4.0		9.5	4.5		9.0	5.0		1.0	5.0		6.5	3.0	3.0	8.5		
19-20	3.5					11.0	1.5	7.5	5.0	9.5	6.0	2.0	6.5	7.0	2.0	6.5	9.5	5.0	9.0	3.0			
20-21							9.5		10.0	5.5	10.5	3.5	8.0		3.5	7.5	5.0	3.5	7.5	1.0		11.0	
21-22	5.0						7.0	6.0	6.0	10.5		5.0	9.5	9.5	4.5	8.5		2.0	6.0	1.5		6.5	
22-23		3.5			5.5	2.0	4.5		1.5	6.0		6.5	2.5	2.0	5.5	1.5		8.0	4.5	1.5			
23-24	6.5	9.0				3.0	2.0	4.0	6.5	2.0		8.0	4.0		7.0	2.5	11.5	6.5	3.0	2.0	6.5		
24-25						4.5	10.0	11.0	2.0	7.0		1.0	5.5	5.0	8.0	4.0	7.0	5.0	9.0	2.0		11.5	
25-26	8.0		6.0			5.5	7.5	2.5	7.5	2.5	5.0	2.5	7.0		9.0	5.0	2.5	3.5	7.5	2.5		7.0	10.0
26-27						7.0	5.0	9.5	3.0	8.0	10.0	4.0	8.5	7.5	2.0	6.0		2.0	6.0	2.5			
27-28	9.5				8.0	8.0	2.5		8.5	3.5		5.5	1.5		3.0	7.5		8.0	4.5	2.5			
28-29	2.0	6.0				9.0	10.5	7.5	4.0	9.0		7.0	3.0	10.0	4.5	8.5	9.0	6.5	3.0	3.0			
29-30	11.0	11.5			1.0	10.5	8.0		9.5	4.5		8.5	4.5	3.0	5.5	1.5	4.5	5.0	9.0	3.0		8.0	

all times in U.T.

	BE	BO	BS	BT	BU	CD
	VUL	VUL	VUL	VUL	VUL	VUL
MAX	9.9	10.4	11.0	11.8	10.6	11.5
MIN	11.4	13.3	11.5	12.5	11.4	12.6
DUR	5	4	3	3	3	4
TOT						
0- 1			6.5	8.0	6.5	7.0
1- 2			5.5	11.5	10.0	
2- 3	11.0					8.0
3- 4						
4- 5					6.0	9.5
5- 6					9.5	
6- 7			11.0			10.5
7- 8			10.0			
8- 9			8.5	8.0		
9-10			7.5	11.0	9.0	
10-11			6.5			
11-12			5.0			
12-13						
13-14	8.0				8.5	6.5
14-15						
15-16						8.0
16-17	10.5		11.0	7.5		
17-18			9.5	11.0	8.0	9.0
18-19			8.5		11.5	
19-20			7.5			10.5
20-21			6.5			
21-22					7.5	11.5
22-23					11.0	
23-24		10.5				
24-25				7.0		
25-26		9.0		10.5	7.5	
26-27			11.0		10.5	6.5
27-28	7.0	8.0	9.5			
28-29			8.5			7.5
29-30		6.5	7.5		7.0	