

MAS Eclipsing Binary Ephemeris for October 2016

all times in U.T.

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	RT	TW	UU	WZ	XZ	AB	AB	AD	AD	BD	BX	DS	DS	QX	QX	RY	CX	CZ	XZ	KO	KP	OO	OO	
	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AQR	AQR	AQR	AQL	AQL	AQL	AQL	AQL	
MAX	9.3	8.8	11.2	11.6	10.0	9.3	9.3	11.1	11.1	11.3	8.6	10.8	10.8	11.3	11.3	8.8	10.7	10.3	9.3	8.3	9.7	9.2	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	10.1	12.0	11.2	11.2	9.3	10.5	10.1	10.1	
DUR	3	11	8	4	3	3	3	4	4	3	4	4	4	3	3	5	3	3	7	5	4	3	3	
TOT	2																							
						(S)	(S)					(S)	(S)									(S)		
0- 1	2.5			6.0		6.5	2.5		5.0	4.5			10.0	9.5	4.5		6.5						5.0	
1- 2	8.5	1.0	6.5		3.5	6.5	2.5		5.0	2.5	5.0		10.5	5.0	0.0		9.5	7.0					5.5	
2- 3				8.5	12.5	6.5	2.5		4.5	0.5	10.0		10.5	1.0	6.0			3.5					5.5	
3- 4	6.0			1.0		6.5	2.5		4.0	10.0	1.0		11.0	6.5	1.5		1.5	0.5		3.5			6.0	
4- 5	12.0		6.0	10.5		6.5	2.5		4.0	8.5	6.0		11.0	2.5	7.5		4.0			2.0	0.0		6.5	
5- 6	3.0	4.0		3.0	5.5	6.0	2.0		3.5	6.5	11.5		11.5	8.0	3.0		6.5					0.5	6.5	
6- 7	9.5			12.5		6.0	2.0		3.0	4.5	2.0		11.5	4.0	9.0				0.5			1.0	7.0	
7- 8	0.5		5.5	5.0		6.0	2.0		3.0	3.0	7.5		12.0	9.5	4.5			8.0					1.0	
8- 9	6.5					6.0	2.0		2.5	1.0			12.0	5.5	0.5		1.5	4.5					1.5	
9-10		7.0		7.0	7.0	5.5	2.0		2.0	10.5	3.0	0.0	12.5	1.0	6.0		4.0	1.5	1.0				2.0	
10-11	4.0		4.5			5.5	1.5		2.0	8.5	8.5	0.5		7.0	2.0		7.0						2.0	
11-12	10.0			9.5		5.5	1.5		1.5	7.0		0.5		2.5	7.5				4.5				2.5	
12-13	1.0			2.0	0.5	5.5	1.5		1.0	5.0	4.5	1.0		8.0	3.5								3.0	
13-14	7.5	9.5	4.0	11.5	9.0	5.5	1.5		1.0	3.5	9.5	1.0		4.0	9.0		1.5	9.0					3.0	
14-15				4.0		5.0	1.0	12.5	0.5	1.5	0.5	1.5		9.5	5.0		4.0	5.5		4.5			3.5	
15-16	4.5					5.0	1.0	12.0	0.0	11.0	5.5	1.5		5.5	0.5		7.0	2.0					4.0	
16-17	11.0		3.5	6.0	2.0	5.0	1.0	11.5		9.0	11.0	2.0		1.5	6.0								4.0	
17-18	2.0				10.5	5.0	1.0	11.5		7.5	1.5	2.5		7.0	2.0								4.5	
18-19	8.0			8.5		5.0	1.0	11.0		5.5	7.0	2.5		2.5	7.5		1.5						5.0	
19-20			2.5	1.0		4.5	0.5	10.5		4.0	12.0	3.0		8.5	3.5		4.5						5.0	
20-21	5.5			10.5	4.0	4.5	0.5	10.5		2.0	3.0	3.0		4.0	9.0		7.0	6.5					5.5	
21-22	11.5			3.0	12.5	4.5	0.5	10.0		0.0	8.0	3.5		10.0	5.0			3.0					5.5	
22-23	2.5		2.0	12.5		4.5	0.5	9.5		9.5		3.5		5.5	0.5								6.0	
23-24	9.0			5.0		4.5	0.5	9.5		8.0	4.0	4.0		1.5	6.5		1.5			5.0			6.5	0.5
24-25					5.5	4.0	0.0	9.0		6.0	9.5	4.0		7.0	2.0		4.5		0.5				6.5	0.5
25-26	6.0		1.5	7.0		4.0	0.0	8.5		4.0		4.5		3.0	8.0		7.0						7.0	1.0
26-27	12.5					4.0	8.0	8.5		2.5	5.0	4.5		8.5	3.5			7.5	4.0	1.5				1.5
27-28	3.5			9.5		4.0	8.0	8.0		0.5	10.5	5.0		4.5	9.5	7.0		4.0						1.5
28-29	9.5		0.5	2.0	7.0	4.0	8.0	7.5		10.0	1.0	5.0		0.0	5.0		2.0	1.0						2.0
29-30	0.5		12.5	11.5		3.5	7.5	7.5		8.0	6.5	5.5		6.0	1.0	6.0	4.5							2.5
30-31	7.0			4.0		3.5	7.5	7.0		6.5	11.5	5.5		1.5	6.5		7.0							2.5

	V342	V343	V346	RX	SS	SS	RY	SX	TT	WW	WW	AP	AP	AR	AR	CL	EM	EP	HP	HP	IM	SS	SS	
	AQL	AQL	AQL	ARI	ARI	ARI	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	BOO	BOO
MAX	9.0	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	
MIN	12.5	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	
DUR	7	4	4	4	3	3	6	4	5	5	5	4	4	5	5	4	4	3	3	3	4	18	18	
TOT	3																					6	6	
						(S)					(S)		(S)		(S)					(S)			(3)	
0- 1				10.5	5.5	0.5				11.0		10.5						11.0						
1- 2		5.5		11.5	1.0	6.0		6.0					7.0								10.5			
2- 3				12.0	6.5	1.5		11.0	2.0				10.5					5.5	3.5					
3- 4		2.0			2.0	6.5			10.0				7.0	2.0		2.0		10.0			6.0	3.0		
4- 5					7.0	2.0					6.0	10.0				8.0	10.0				7.0	12.0		
5- 6					2.5	7.5				12.0					4.0			4.5						
6- 7			1.5		7.5	3.0		2.0	1.5				10.0				6.0	9.0	10.0					
7- 8			4.0		3.0	8.0	8.0	7.0	9.5				6.5	5.5							3.0			
8- 9			6.5		8.5	3.5		12.0					10.0					1.5	3.5			5.5		
9-10					4.0	9.0					7.0		6.5		7.0	7.5		8.0	6.5		11.5			
10-11					9.0	4.5			1.5				9.5					12.5						
11-12					4.5	9.5			9.5				6.0	8.5							9.5			
12-13					0.0	5.0		3.5					9.5					7.0	2.5					
13-14					5.5	0.5		8.5					6.0	10.5				11.0				5.5		
14-15	3.5	3.5			1.0	5.5			1.5		8.0		9.5			7.0					6.0	11.0		
15-16					6.0	1.0	12.5		9.5				6.0	12.0			8.5	5.5						
16-17			0.5		1.5	6.5							9.0					10.0	9.0					
17-18			3.0		7.0	2.0							12.5	5.5			4.5				2.0			
18-19			5.5		2.5	7.0	5.5	4.5	1.5				9.0					4.5			12.5	5.0		
19-20					7.5	2.5		9.5	9.5		9.5	5.5	12.5			6.5		9.0	5.5		11.0			
20-21				0.0	3.0	8.0							9.0			12.5								
21-22				1.0	8.0	3.5							12.0	5.5				3.5			8.5			
22-23				1.5	3.5	8.5			1.5				8.5					8.0	2.0					
23-24				2.0	9.0	4.0			9.5	4.5			5.0	12.0				12.5	12.0			5.0		
24-25				3.0	4.5	9.5		5.5			10.5		8.5			6.0	11.0				5.0	10.5		
25-26		5.0		3.5	9.5	5.0		10.5					12.0	5.0		11.5		7.0						
26-27				4.5	5.0	0.5	10.0		1.5				8.5				7.0	11.0	8.0				1.5	
27-28		1.5	2.0	5.0	0.5	5.5			9.5				5.0	11.5										
28-29			4.5	6.0	6.0	1.0				5.5			8.0				2.5	6.0		11.5	4.5			
29-30			7.0	6.5	1.5	6.0	3.5	2.0			12.0	11.5	4.5			5.5		10.0	4.5		10.5			
30-31				7.0	6.5	1.5		7.0	1.5				8.0			11.0								

	TU	TU	TY	TY	TZ	TZ	VW	VW	AD	AD	BW	BW	Y	SV	AL	AN	CD	CD	R	RT	SX	TU	TZ
	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CAM	CAM	CAM	CAM	CAM	CAM	CMA	CMA	CMA	CMA	CMA
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	9.7	11.6	11.6	6.2	11.4	10.3	9.7	9.8
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	10.2	11.8	11.8	6.8	12.9	11.4	10.7	10.5
DUR	3	3	3	3	3	3	3	3	4	4	5	5	6	3	5	8	5	5	4	5	4	4	4
TOT																							
		(S)		(S)		(S)		(S)		(S)		(S)				(S)		(S)					
0- 1		2.5		1.5	2.5								0.0	7.0			3.5		10.0				
1- 2		1.5	12.0	0.5	0.0	3.5					2.0			11.5				7.0				8.5	7.5
2- 3		1.0	3.0		12.0	1.0	12.5	0.0						2.0	0.5	0.5	10.5	1.5		10.5		11.5	
3- 4	12.0	0.5	2.0		2.0			0.5					7.5	6.5	8.0		5.0						
4- 5	11.5		1.0	12.0		3.0		1.5						11.0									
5- 6				3.5	4.0	0.5								1.0			12.0	3.0					
6- 7	2.5			2.5	1.5	12.0								5.5	0.0		6.5			7.5			
7- 8	1.5			1.0		2.5								10.0	8.0		0.5	10.0			10.0		
8- 9	1.0		3.5		3.5									0.5				4.0	8.5				
9-10	0.5	12.0	2.5		0.5	4.5	0.5					2.5		4.5			7.5		12.0				
10-11		11.5	1.5		12.5	1.5	1.0			0.5				9.0			2.0	11.0					9.0
11-12			0.0	11.5	2.5				1.0		2.0				7.5			5.5		12.0		12.0	
12-13		2.5		3.0	0.0	3.5				2.0				4.0			9.0				7.0		
13-14		1.5		1.5	4.5	1.0							5.5	8.5			3.5						
14-15		1.0	12.0	0.5	2.0																		
15-16	12.0	0.5	3.0			3.0		0.5						3.0	7.0		10.5	1.0		9.0			
16-17	11.5		2.0		4.0	0.5		1.0						7.5			4.5		7.5				
17-18			1.0	12.5	1.0	12.0		1.5						12.0					8.0	10.5			
18-19	2.5			3.5		2.0								2.0			11.5	2.5					
19-20	1.5			2.5	3.0							2.5		6.5	7.0		6.0			6.0		9.5	
20-21	1.0			1.0	0.5	4.0								11.0			0.5	9.5			10.0		10.5
21-22	0.5	12.0	4.0	0.0	12.0	1.5	0.0	12.5			2.0			1.5				4.0					
22-23		11.5	2.5		2.5		0.5							6.0									
23-24			1.5			3.5	1.5						3.5	10.5	6.5	0.5	2.0	11.0					
24-25		2.0	0.5	11.5	4.5	1.0								0.5				5.5		10.5			
25-26		1.5		3.0	2.0									5.0			9.0		9.5		7.0		
26-27		1.0		2.0		3.0							11.0	9.5			3.0	12.5					
27-28	12.0	0.5	12.0	0.5	3.5	0.0									6.0				6.5				7.0
28-29	11.5		3.5		1.0	12.0		0.5						4.0			10.0	1.0		7.5		10.0	
29-30			2.0			2.0		1.0				2.5		8.5			4.5						
30-31	2.0		1.0	12.5	3.0			2.0											8.0				

	TZ	UU	XZ	YY	AC	AK	AM	RW	TY	RZ	TV	TW	ZZ	AB	CW	CW	DZ	IR	IS	IT	IV	MM	OR
	CMA	CMA	CMI	CMI	CMI	CMI	CMI	CAP	CAP	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
MAX	9.8	10.0	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	10.8	11.6	11.0	11.2	11.3	11.4
MIN	10.5	12.5	10.2	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
DUR	4	5	3	4	3	4	6	5	4	4	4	5	4	4	3	3	4	4	5	5	5	5	4
TOT	(S)						(S)								(S)								
0- 1										9.0		8.0	4.0	5.5	4.0	7.5	10.5				3.5	6.0	7.0
1- 2						9.5					11.5		9.5		2.5	6.5	5.5	8.0		9.0	3.5	10.0	
2- 3			6.5												1.5	5.5	0.0	0.5			3.5		
3- 4	6.5		10.5		11.0						7.0	4.5			0.5	4.5		9.0	11.5		3.0		
4- 5					8.0									8.0	7.5	3.5	8.5	1.5			3.0		1.0
5- 6				7.5		8.5				3.5	2.5		3.0		6.0	2.5	3.5	10.0	7.5	6.5	3.0		7.0
6- 7			8.0	10.0		11.5		2.0	3.5	8.5		1.0	9.0		5.0	1.5		2.5			3.0	1.0	
7- 8			11.5	12.0			6.5					11.0		1.5	4.0	0.5	12.0	11.0	4.0		3.0	5.0	
8- 9	9.5						7.0							10.5	3.0	7.0	7.0	3.5			3.0	9.0	
9-10						7.5	7.5								2.0	6.0	1.5	12.0		4.0	3.0		0.5
10-11			9.0		9.5	10.5	8.0					8.0	2.5		1.0	5.0		4.5			3.0		6.5
11-12					6.5		8.5			3.0			8.5	4.0	7.5	4.0	10.0				3.0		12.0
12-13							9.0			7.5	8.5				6.5	2.5	5.0	5.5			3.0		
13-14			6.5			6.5	9.5		6.0	12.5		4.5			5.5	1.5			1.5	3.0	0.0		
14-15			10.5			9.5	10.0				4.0				4.5	0.5		6.5			3.0	4.0	0.0
15-16							10.5						2.0	6.5	3.5	7.5	8.5				3.0	7.5	6.0
16-17					11.5		10.5		2.5			1.0	8.0		2.5	6.0	3.0	7.5	9.0		3.0	11.5	12.0
17-18			7.5	8.5	8.0		11.0			2.5		11.0			1.5	5.0					2.5		
18-19			11.5	10.5		9.0	11.5			7.0					0.5	4.0	12.0	8.5	5.0		2.5		
19-20						12.0	12.0				12.0				8.5	7.0	3.0	6.5	0.5		2.5		
20-21												7.5	1.5		6.0	2.0	1.5	9.5	1.0		2.5		5.5
21-22		9.5	9.0								10.0		7.0		5.0	1.0		2.0			2.5	2.5	11.5
22-23	9.5					8.0								2.5	4.0	7.5	10.0	10.5			2.5	6.5	
23-24					10.0	11.0		1.0	5.5	2.0	5.5	4.5		11.0	3.0	6.5	5.0	3.0			2.5	10.5	
24-25					6.5					6.5					1.5	5.5		11.5			2.5		
25-26			10.0							11.5	1.0		1.0		0.5	4.5		4.0			2.5		5.0
26-27						7.0			1.5			1.0	6.5	5.0	7.5	3.5	8.0	12.5			2.5		11.0
27-28						10.0									6.0	2.5	3.0	5.0	10.0		2.5		
28-29			7.5	7.0											5.0	1.5					2.5	1.5	
29-30			11.5	9.0	11.5					1.5					4.0	0.5	11.5	6.0	6.0		2.5	5.5	
30-31				11.5	8.5					6.0	11.5	7.5	0.0	7.0	3.0	7.0	6.5				2.0	9.0	4.5

	OX	OX	PV	V364	V364	V375	V380	U	SU	WW	WZ	WZ	XX	ZZ	DL	DV	EG	EK	GK	TT	TW	TW	TX
	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CET	CET	CET	CET
MAX	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	12.4	11.6	9.6	8.2	6.9	10.8	10.4	10.4	10.9
MIN	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	13.2	12.4	10.6	9.5	7.4	11.3	11.2	11.2	11.5
DUR	5	5	3	4	4	5	5	4	4	4	3	3	4	5	5	4	3	6	4	3	3	3	4
TOT								2															1
		(S)			(S)							(S)											(S)
0- 1				10.0		3.5		5.0	4.5		3.5	8.5				4.0	12.0			9.5	5.0	9.0	
1- 2			7.5		4.5		0.0		2.0		9.5	4.5			3.5	8.0	1.0			9.0	4.0	8.0	8.5
2- 3							8.5				5.5	0.5	5.5			12.0	3.0			8.5	3.0	6.5	2.5
3- 4		5.5	1.5	12.0		2.5					1.5	6.5					5.0	9.0		7.5	9.5	5.5	
4- 5	11.0				6.5						7.5	2.5			10.0		7.5		11.5	7.0	8.0	4.5	7.5
5- 6			1.0			2.0	5.0		10.0		4.0	9.0					9.5		10.0	6.5	7.0	3.0	1.5
6- 7					1.0	10.5			11.5		10.0	5.0			1.0		11.5		8.5	5.5	5.5	2.0	
7- 8				8.5					9.5		6.0	1.0				3.5	0.5		7.0	5.0	4.5	8.5	7.0
8- 9		5.0	7.5	3.0					7.0		2.0	7.0				7.5	3.0		5.5	4.5	3.5	7.0	
9-10	10.5					3.5			4.5		8.0	3.0	5.5	2.5	7.0	11.0	5.0		4.0	3.5	2.0	6.0	12.0
10-11			1.5		11.0	11.0	12.0	4.5	2.5	0.5	4.0	9.0					7.0		2.5	3.0	8.5	5.0	6.0
11-12				5.5							0.0	5.0			6.0		9.0		1.0	2.5	7.5	3.5	
12-13											6.0	1.0					11.5	5.5		1.5	6.0	2.5	11.5
13-14		4.5				10.0	5.0				2.0	7.0		9.5			0.5				5.0	9.0	5.0
14-15	10.0			7.5							8.0	3.0			4.5	3.0	2.5			12.0	4.0	7.5	
15-16			7.5		2.0			4.5	12.0		4.0	9.0					6.5	4.5		11.0	2.5	6.5	10.5
16-17						8.5			9.5		0.0	5.0	6.0			10.5	7.0			10.5	9.0	5.0	4.0
17-18			1.5	9.5		7.0			7.5		6.5	1.5			11.0		9.0			10.0	8.0	4.0	
18-19		3.5			4.0				5.0		2.5	7.5					11.0			9.0	6.5	3.0	9.5
19-20	9.5					7.5			2.5	5.0	8.5	3.5			2.0		0.0		11.0	8.5	5.5	9.5	3.5
20-21				11.5		0.0	4.0	0.0			4.5	9.5					2.5		9.5	8.0	4.5	8.0	
21-22					6.0	8.5					0.5	5.5				2.0	4.5	2.0	8.0	7.0	3.0	7.0	8.5
22-23			7.5	0.5		6.0					6.5	1.5			8.5	6.0	6.5		6.5	6.5	2.0	5.5	2.5
23-24		3.0									2.5	7.5	6.0			10.0	8.5		5.0	6.0	8.5	4.5	
24-25	9.0		1.5		8.0	2.0			12.5		8.5	3.5		2.5			11.0		3.5	5.0	7.0	3.5	8.0
25-26				2.5		5.0	10.5	3.5	10.0		4.5	9.5						12.0	2.0	4.5	6.0	2.0	1.5
26-27									7.5		0.5	5.5		6.0			2.0		0.5	4.0	5.0	8.5	
27-28					10.0				5.5		6.5	1.5			5.5		4.0			3.0	3.5	7.5	7.0
28-29		2.5		4.5		3.5	3.5		3.0	10.0	3.0	8.0		9.5		1.5	6.5			2.5	2.5	6.0	
29-30	8.5		7.5				12.0		0.5		9.0	4.0				5.5	8.5			2.0	9.0	5.0	12.5
30-31					12.0			3.5			5.0	10.0	6.5		12.0	9.0	10.5			1.0	7.5	4.0	6.0

	RW	RW	RZ	RZ	SS	SS	CC	CC	U	RW	TW	W	W	V	SW	WW	ZZ	AE	BR	CG	DK	KR	KV
	COM	COM	COM	COM	COM	COM	COM	COM	CRB	CRB	CRB	CRV	CRV	CRT	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG
MAX	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	9.5	9.3	9.9	10.7	11.8	9.4	11.0	10.3	9.2	11.5
MIN	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	10.2	11.8	13.2	12.0	12.8	10.5	11.8	10.8	10.0	12.6
DUR	3	3	3	3	4	4	2	2	5	4	4	4	4	4	5	5	4	4	4	3	4	4	5
TOT															2								
		(S)		(S)		(S)		(S)						(S)									
0- 1	10.0		10.5				10.5			2.0							0.0			3.5	7.0		
1- 2		0.5	10.5		0.0			10.5	2.5							2.5	6.5			10.0	5.5		
2- 3		10.5	11.0			10.5	10.0				1.0		12.5					8.0	1.0	4.0			
3- 4	1.0		11.5		11.5			10.0				11.5					3.5			7.5	3.0	7.0	
4- 5	11.0		12.0			12.5	10.0							12.5			9.5				1.5	3.5	
5- 6	10.0		12.0				12.5	9.5							3.0		1.0			5.0			
6- 7		11.5		0.5				12.0			4.0						7.0		7.5		10.0		
7- 8		10.0					12.0													2.0	8.5		
8- 9	0.5				0.5			12.0		2.0							4.0			8.5	7.0		
9-10	10.5					11.0	11.5				2.5		12.0				10.5				5.5	5.0	
10-11		1.0			12.0			11.5									1.5		7.5	6.0	4.0	1.5	
11-12		11.0		10.5			11.5									1.0	7.5				3.0		8.5
12-13		10.0		10.5				11.0			1.0									3.5	1.5		
13-14	0.0			11.0			11.0			4.0							5.0			9.5	0.0		
14-15	10.0			11.5		0.0		11.0							6.5	9.0			7.5	1.0	10.0	7.0	4.5
15-16		0.5		12.0	11.0		0.0					12.5					2.0			7.0	8.5	3.0	
16-17		10.5	0.0	12.0		11.5		10.5		1.5	4.0		11.5				8.5				7.0		
17-18	1.0		0.5		12.5		10.5													4.5	5.5		0.5
18-19	11.0							10.0									5.5		7.5		4.5		
19-20	10.0						10.0				3.0							9.0		2.0	3.0	8.5	
20-21		0.0						10.0									3.0	8.5		8.5	1.5	5.0	
21-22		10.5				0.5	9.5	12.5		4.0						0.0	9.0	7.5			0.0	1.0	
22-23	0.5		10.5		11.5		12.0				1.5	12.0					0.0	7.0	7.5	6.0	10.0		
23-24	10.5		11.0			12.0		12.0						11.5	10.0		6.5	6.0			8.5		
24-25		12.5	11.0				12.0			1.5						7.5		5.5		3.0	7.0		
25-26		11.0	11.5					11.5			0.0						3.5	4.5		9.5	5.5	6.5	
26-27		10.0	12.0				11.5				4.5						9.5	4.0	7.5	0.5	4.5	3.0	
27-28	0.0		12.5	0.0	0.0			11.5									1.0	3.0		7.0	3.0		
28-29	10.5			0.5		11.0	11.0										7.0	2.5			1.5		9.0
29-30		0.5			11.5			11.0		3.5	3.0	12.0						2.0		4.5	0.0		
30-31		10.5				12.5	11.0							12.0			4.5	1.0	7.5		10.0	8.5	

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

	S	TZ	YY	YY	RW	SX	TX	WW	AF	AL	RX	SZ	TT	TU	UX	CC	CT	HS	HS	LT	V728	WY	WY
	EQU	ERI	ERI	ERI	GEM	GEM	GEM	GEM	GEM	GEM	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER	HYA	HYA
MAX	8.0	9.8	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	8.5	8.5	10.7	10.9	10.3	10.3
MIN	10.0	12.6	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	9.0	9.0	11.1	11.5	11.1	11.1
DUR	5	4	3	3	5	5	6	4	4	4	5	4	4	5	5	4	4	4	4	4	3	3	3
TOT		1			1									1									
				(S)														(S)				(S)	
0- 1		4.5	10.0	6.0					9.5			2.0									6.0	7.5	
1- 2			9.0	5.5																	5.0		9.0
2- 3			8.5	4.5				7.5					4.0					5.0	1.5	3.5	11.0		
3- 4			7.5	3.5	12.0	12.0				7.5			2.0							3.5	2.0		
4- 5			6.5	10.5							4.0	4.0	0.0								0.5		
5- 6	0.5	9.5	6.0	9.5					9.0							2.5						7.5	
6- 7			5.0	9.0	8.5	5.5									1.5			6.5					9.5
7- 8			4.0	8.0				6.5		12.0							3.0		3.0			11.0	
8- 9			11.0	7.0			11.0	12.0					6.0									6.5	
9-10			10.0	6.5	5.5								1.5		4.0							5.0	
10-11			9.5	5.5		8.0			8.0	6.5												4.0	8.0
11-12			8.5	4.5			6.0											4.5				2.5	9.5
12-13			7.5	3.5				5.5						1.5		1.0			1.0			1.0	11.5
13-14		5.0	6.5	10.5				11.0			1.5	4.0	3.0										
14-15			6.0	9.5		10.5				11.0													
15-16			5.0	9.0					7.5												2.0		8.0
16-17			4.0	8.0														1.0	2.5		4.0	7.0	10.0
17-18			11.0	7.0				4.0		5.5			6.0									5.5	11.5
18-19		10.5	10.0	6.5				10.0					1.5									4.0	
19-20			9.5	5.5																		2.5	
20-21			8.5	4.5					7.0		4.5				0.0				5.0			1.5	8.5
21-22			7.5	4.0		6.5				10.0				3.0				0.5					10.0
22-23	5.0		6.5	10.5			11.0						4.0										12.0
23-24			6.0	10.0				8.5					3.5		2.5								
24-25			5.0	9.0						4.5			1.5					7.0					
25-26			4.0	8.0		9.0	6.0		6.5										3.0			5.5	8.5
26-27		6.0	11.0	7.0	10.0				12.0				6.0		5.0							4.5	10.5
27-28			10.0	6.5									1.5								0.0	3.0	12.5
28-29			9.5	5.5				7.5		9.0											2.0	1.5	
29-30	2.0		8.5	4.5	6.5	11.0					2.0							4.5		4.0	0.0		7.0
30-31			7.5	4.0					5.5					4.5					1.0				9.0



	AV	DF	DF	DI	DK	SW	SW	VX	AW	CM	CO	CO	DG	GX	Y	UU	UV	VZ	WZ	XY	XZ	AM	T
	HYA	HYA	HYA	HYA	HYA	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LEO	LEO	LEO	LEO	LEO	LEO	LEO	LEO	LMI
MAX	10.2	11.0	11.0	11.0	10.5	9.2	9.2	10.9	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	10.2
MIN	10.6	11.5	11.5	12.0	11.0	10.0	10.0	12.3	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	12.6
DUR	4	4	4	4	4	3	3	4	5	4	5	5	4	6	5	4	3	4	5	2	3	3	6
TOT																							
			(S)				(S)						(S)										
0- 1		8.5				7.0	3.0	0.5				3.5						10.5	11.5				
1- 2		8.5	12.5			6.0	2.0	2.0							12.0		9.0			8.0			12.5
2- 3		8.5	12.5	9.0		5.0	1.0	4.0		4.5		10.5	0.5	7.5						11.5			
3- 4		8.0	12.0			4.0	0.5	5.5				5.5											11.0
4- 5		8.0	12.0			3.5	7.0	7.5	0.5				5.5				9.0						
5- 6		7.5	11.5	11.0		2.5	6.0	9.0	4.0	9.5													12.0
6- 7	9.0	7.5	11.5			1.5	5.5	11.0	7.0		7.5		10.5										
7- 8			11.5		10.0	0.5	4.5		10.5	0.0		1.5				8.5	9.0		11.5		11.0	11.5	
8- 9	10.0		11.0		11.0	7.5	3.5														10.5	10.5	
9-10			11.0		12.5	6.5	2.5					9.5											10.0
10-11	11.0		10.5	9.0		5.5	1.5			5.0		3.5					9.0	11.0		10.0	9.5	9.5	
11-12			10.5			4.5	1.0																8.5
12-13	12.5		10.5			3.5	7.5		0.5		11.5					9.5				10.0	8.0		
13-14			10.0	10.5		3.0	6.5		4.0	10.0		5.5	1.0		7.0		9.0						
14-15			10.0			2.0	5.5		7.0		0.5										9.5		10.0
15-16			9.5			1.0	5.0	1.5	10.5	0.5			6.0	0.5									
16-17			9.5	12.5		0.0	4.0	3.0				7.5					9.0				9.5		
17-18			9.5			7.0	3.0	5.0				2.5	11.0			10.0			8.0				
18-19			9.0	8.5		6.0	2.0	6.5		6.0					8.5						9.0		10.5
19-20	8.5		9.0		10.5	5.0	1.0	8.5				9.5					9.0				12.5		
20-21			8.5		11.5	4.0	0.5	10.5	0.5		4.5										9.0		
21-22	9.5		8.5	10.5	12.5	3.0	7.0		4.0	11.0				9.0				8.5			12.0		
22-23		12.5	8.5			2.5	6.0		7.0			11.5				11.0	9.5	10.5			8.5		11.5
23-24	11.0	12.0	8.0			1.5	5.5		10.5	1.5	6.5				10.0						12.0		
24-25		12.0	8.0	12.0		0.5	4.5					0.5	2.0					9.0			8.5		
25-26	12.0	11.5	7.5			7.5	3.5										9.5				11.5	12.0	9.5
26-27		11.5	7.5			6.5	2.5			6.5	8.5		7.0								8.0	11.5	12.0
27-28		11.5	7.5			5.5	1.5					2.5				12.0					11.5	11.0	
28-29		11.0				4.5	0.5		0.5				12.0		11.5		9.5					10.5	
29-30		11.0		10.0		3.5	7.5	0.5	4.0	11.5	10.5										11.0	10.0	10.0
30-31		10.5				2.5	6.5	2.5	7.0				4.5									9.0	12.5

	Z	RR	SS	DELT	RY	UZ	EW	FL	RU	RU	RW	AT	BB	BO	EP	U	SX	V501	V508	V839	1010	EF	EF
	LEP	LEP	LIB	LIB	LYN	LYR	LYR	LYR	MON	MON	MON	MON	MON	MON	MON	OPH	OPH	OPH	OPH	OPH	OPH	ORI	ORI
MAX	11.0	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
MIN	12.5	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
DUR	4	4	6	7	4	5	5	4	5	5	5	5	4	5	5	5	5	4	3	3	4	6	6
TOT											1												
										(S)													(S)
0- 1	9.0			1.5		3.0			11.0		8.0		12.0					3.5	2.5	0.5	1.5		
1- 2	8.5							6.0										2.5	3.5			12.0	
2- 3	8.5				10.0	0.5					6.0							2.0	4.0	1.5	1.0		7.5
3- 4	8.5												10.0					1.0	5.0				
4- 5	8.5	10.5													9.0			0.5		2.5	0.5		
5- 6	8.0	8.5			7.0					6.5													
6- 7	8.0	6.5											8.5	8.5						3.5	0.5	8.5	
7- 8	8.0			1.0			7.0																
8- 9	7.5																						
9-10	7.5						6.0					7.5	7.0										
10-11	7.5																						9.5
11-12	7.0						4.5					8.0	11.5		6.5					3.5	1.5	5.0	
12-13	7.0				11.5			3.5		10.5					10.0						4.0		
13-14	7.0		1.5				3.5					8.5								5.0	2.5		
14-15	7.0	12.0		0.5				8.0					10.0									11.0	
15-16	6.5	10.0			8.0	6.0	2.0					9.5								3.5			6.5
16-17	6.5	8.0																					
17-18	6.5	6.0				3.5	1.0				12.0	10.0	8.5	11.5							4.5		
18-19	6.0				5.0				9.0								0.5		1.0	0.5			12.0
19-20	6.0					1.0					9.5	11.0			7.5					1.5		7.5	
20-21	6.0												6.5		11.0	0.0	2.0			2.5	1.5		
21-22	5.5			0.0							7.5	11.5								3.0			
22-23	5.5				12.5								11.5							4.0	2.5		
23-24	5.5							1.0			5.0	12.0								5.0			8.5
24-25	5.0																				3.5		
25-26	5.0	12.0			9.5			5.0					10.0			1.0							
26-27	5.0	10.0												9.0							4.5		
27-28	5.0	8.0						9.5							8.0						0.5	10.0	
28-29		6.0			6.0								8.0		11.5					5.0	0.5		5.5
29-30																				4.5	1.5	1.5	
30-31										8.5						2.0				3.5	2.5		

	EQ	ER	ER	ET	FH	FL	FR	FT	FZ	FZ	GU	GU	U	U	TY	UX	AQ	AQ	AQ	BB	BB	BG	BX
	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG
MAX	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	10.5	10.7	10.3	10.3	10.3	10.6	10.6	10.5	10.9
MIN	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	12.6	12.0	13.0	13.0	13.0	11.2	11.2	11.8	11.5
DUR	4	3	3	5	5	3	4	4	3	3	4	4	3	3	6	5	12	12	12	3	3	4	3
TOT																	5	5	5			1	
			(S)						(S)		(S)		(S)			(2)		(3)		(S)			
0- 1	5.5	6.5	11.5	10.0			5.5		6.5	11.0	8.0		4.0	8.5	4.0					3.0	7.5		6.0
1- 2			8.0	8.5	11.0	6.5			11.0	6.5	6.5	12.5	7.0	2.5			0.0	2.5	5.0	0.5			2.0
2- 3		9.5		7.5				5.0	6.5	11.0	5.0	11.0	1.0	5.5					7.0	2.5			5.0
3- 4		5.5	10.5	6.0					11.0	6.5		9.5	4.0	8.5	6.0				0.5	4.5			1.0
4- 5		12.0	7.0	5.0		9.0			6.5	11.0		8.0	7.0	2.5					2.5	6.5			4.0
5- 6	11.5	8.5		4.0				8.5	11.0	6.5	12.5	6.5	1.0	5.5					4.5	0.0			0.5
6- 7		5.0	10.0				10.0		6.5	11.0	11.0	5.0	4.0	8.5	8.5				6.5	2.0			3.0
7- 8	5.0	11.5	6.0			11.0	7.0		11.0	6.5	9.5		7.0	2.5		2.0			8.5	4.0			6.0
8- 9		7.5					4.5	12.0	6.5	11.0	8.0		1.0	5.5					2.0	6.0			2.5
9-10			9.0						11.0	6.5	6.5	12.5	4.0	8.5	10.5				4.0	8.0			5.0
10-11		10.5	5.5						6.5	11.0	5.0	11.0	7.0	2.5		4.0			6.0	1.5			1.5
11-12		6.5	12.0						11.0	6.5		9.5	1.0	5.5					8.0	3.5			4.5
12-13	11.0		8.0		5.5				6.5	11.0		8.0	4.0	8.5			0.0	2.5	5.0	1.0	5.5		0.5
13-14		9.5	4.5				11.5		11.0	6.5	12.5	6.5	7.0	2.5	6.0				3.5	7.5			3.5
14-15	5.0	6.0	11.0		9.0		8.5		6.5	11.0	11.0	5.5	1.0	5.5					5.5	1.0			6.5
15-16		12.5	7.5			5.5	6.0		11.0	6.5	9.5		4.0	8.5					7.5	3.0			2.5
16-17		8.5							6.5	11.0	8.0		7.0	2.5	8.0				0.5	5.0			5.5
17-18		5.0	10.0						11.0	6.5	6.5	12.5	1.0	5.5					2.5	7.0			1.5
18-19		11.5	6.5	11.5		8.0			6.5	11.0	5.5	11.0	4.0	8.5					4.5	0.5			4.5
19-20	10.5	8.0		10.0					11.0	6.5		9.5	7.0	2.5					6.5	2.5			1.0
20-21			9.0	9.0					6.5	11.0		8.0	1.0	5.5					0.0	4.5			3.5
21-22	4.5	10.5	5.5	8.0		10.5	10.5		11.0	6.5	12.5	6.5	4.0	8.5					2.0	6.5			6.5
22-23		7.0	12.0	6.5			7.5		6.5	11.0	11.0	5.5	7.0	2.5					4.0	8.5			3.0
23-24			8.5	5.5			4.5		11.0	6.5	9.5		1.0	5.5			2.5	4.5	7.0	6.0	2.0	10.0	5.5
24-25		9.5	4.5	4.5				6.0	6.5	11.0	8.0		3.5	8.0		1.5			8.0	4.0			2.0
25-26		6.0	11.0						11.0	6.5	6.5	12.5	6.5	2.0					1.5	6.0	9.0		5.0
26-27	10.0		7.5						6.5	11.0	5.5	11.0	0.5	5.0					3.5	8.0			1.0
27-28		9.0			6.5			9.5	11.0	6.5		9.5	3.5	8.0		3.5			5.5	1.5	8.0		4.0
28-29	4.0	5.0	10.5				12.0		6.5	11.0		8.0	6.5	2.0					7.5	3.5			0.0
29-30		11.5	6.5		10.5	4.5	9.0		11.0	6.5	12.5	6.5	0.5	5.0					1.0	5.5	6.5		3.0
30-31		8.0					6.5		6.5	11.0	11.0	5.5	3.5	8.0		6.0			3.0	7.5			6.0

	DI	GP	Z	RT	RV	ST	XZ	IQ	IQ	IT	IU	KW	V432	BETA	AE	AE	Y	RV	UZ	UZ	AV	U	V505
	PEG	PEG	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PHE	PHE	PSC	PSC	PUP	PUP	PUP	SGE	SGR
MAX	9.6	10.2	9.9	10.6	10.3	9.7	10.6	7.7	7.7	9.9	10.5	10.5	11.0	2.2	7.5	7.5	9.0	11.3	9.7	9.7	10.2	6.4	6.4
MIN	10.8	11.0	12.4	12.0	12.7	13.2	12.7	8.3	7.9	10.5	11.6	11.5	11.7	3.5	8.2	8.2	12.0	12.0	10.6	10.3	10.8	9.1	7.6
DUR	2	4	6	4	8	5	4	5	5	4	5	4	3	8	2	2	7	3	4	4	3	6	5
TOT			2			1																2	
									(S)						(S)				(S)				
0- 1	1.0	7.0							2.0		10.5		7.5		5.5		12.5				8.5		
1- 2		6.5		10.0				0.5			7.0	11.0	2.0		7.5		1.5		11.0	11.0			0.5
2- 3	4.0	6.0		6.5		3.5				7.5	3.5	9.5	5.5		5.0		4.0						5.0
3- 4		5.5		3.0			2.0					7.5	0.0		7.5		7.0	10.5					
4- 5	7.5	5.0					5.5	12.5				6.0	3.5			5.0	8.5	9.5					
5- 6	0.5	4.5					9.5		7.5	9.0		4.5	7.5			7.0		12.0		10.0	8.5		
6- 7	10.5	3.5		12.5				6.0			10.5	2.5	1.5		5.0		1.5				11.0		
7- 8	4.0	3.0		8.5		10.5			1.0		7.0	1.0	5.5	12.0	7.0		4.0	10.0					
8- 9		2.5		5.0				0.0		10.5	3.5		9.0			4.5	3.0	6.5					3.0
9-10	7.0	2.0		1.5									3.5			7.0		9.0		9.5			
10-11	0.0	1.5				2.0							7.0	9.0	4.5			11.5			8.5		
11-12	10.5	1.0					3.5	12.0		12.0			1.5		6.5			1.0	9.5		11.5		
12-13	3.5	0.0		11.0	12.0		7.0		6.5		10.5		5.0		9.0	4.5		3.5					
13-14				7.5			11.0	5.5		1.0	7.0		8.5	6.0		6.5		6.0		9.0			
14-15	6.5			4.0	11.5				0.5		3.5	12.0	3.0		4.0	8.5		8.5					1.0
15-16				0.0		9.0						10.0	6.5		6.5			11.5	8.5		9.0	1.5	5.5
16-17	10.0				11.0					2.5		8.5	1.0	2.5	8.5	4.0		0.5			11.5		
17-18	3.0								12.5			7.0	4.5			6.0		3.0		8.5			
18-19				9.5	10.0	0.5	1.5	11.0			10.0	5.0	8.0		4.0	8.5		6.0					
19-20	6.0			6.0			5.0		6.0	4.0	7.0	3.5	2.5		6.0		10.0	8.5	8.0				
20-21				2.5	9.5		8.5	5.0			3.5	2.0	6.0		8.0			11.0			9.0		
21-22	9.5						12.5						0.5	0.5		6.0		0.5		7.5	12.0		3.0
22-23	2.5				9.0					6.0			4.0			8.0		3.0	12.5				
23-24			0.5	12.0		8.0							7.5		5.5		4.5	5.5	7.5				
24-25	6.0			8.5	8.0				11.5		10.0		2.0		8.0			8.0		12.0			
25-26				5.0			10.5			7.5	7.0		5.5			5.5		10.5			9.0	5.0	
26-27	9.0		1.5	1.0	7.5		3.0		5.5		3.5		0.0			7.5			11.5		12.0		
27-28	2.0						6.5	4.5					3.5		5.5			2.5					1.0
28-29					7.0		10.0			9.0		11.0	7.0		7.5			5.0		11.5			5.5
29-30	5.5		3.0	10.5								9.5	1.5			5.0		7.5					
30-31				7.0	6.5						10.0	8.0	5.0	10.5		7.5		10.5	11.0		9.5		

	1968	RS	AO	CC	CC	Y	RW	RZ	TY	WY	AC	AM	AQ	CT	EQ	EQ	HU	V	X	RS	RV	W	W	
	SGR	SER	SER	SER	SER	SEX	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TRI	TRI	TRI	TRI	UMA	UMA
MAX	12.3	10.8	10.6	11.1	11.1	9.8	8.0	10.5	11.5	11.5	10.5	10.4	12.0	10.2	10.3	10.3	6.0	10.9	8.9	10.3	11.4	9.1	9.1	
MIN	13.3	11.5	12.1	11.7	11.7	10.2	12.5	11.2	12.0	11.7	12.3	12.3	12.9	11.5	11.0	11.0	6.8	11.9	12.0	11.0	12.5	9.9	9.9	
DUR	4	4	4	4	4	3	4	3	2	4	6	5	5	5	3	3	6	4	4	4	4	3	3	
TOT							1																	
					(S)											(S)							(S)	
0- 1		2.0		3.0		8.5		5.0		5.5				3.0	4.5	8.5						7.5	3.5	
1- 2								11.0			10.0		4.0	11.0	5.0	9.0		3.5			8.5	7.5	3.5	
2- 3	0.0					11.0	4.5	7.0		7.5			9.0	3.0	5.5	1.5		7.5			2.5	8.0	4.0	
3- 4	3.5	2.0						3.0			11.0			11.5	6.0	2.0		12.0				8.0	4.0	
4- 5			1.5					8.5		9.5				3.5	7.0	2.5		2.0			9.0	8.0	4.0	
5- 6					1.0	9.5		4.5	2.5		12.0			11.5	7.5	3.5		6.0			3.0	8.0	4.0	
6- 7		1.5			1.5			10.5	4.5	11.0				3.5	8.0	4.0		10.0				8.0	4.0	
7- 8	2.0				2.5	12.0		6.5	6.5	4.0			5.5	11.5	8.5	4.5		0.0			9.0	8.0	4.0	
8- 9					3.0			2.5	8.0				11.0	3.5	9.0	5.0		4.0			3.0	8.0	4.0	
9-10		1.5						8.5	10.0	5.5				11.5	1.5	5.5		8.5				8.0	4.0	
10-11						10.5	12.0	4.5	12.0					3.5	2.0	6.0		12.5		11.0	9.5	8.0	4.0	
11-12	0.5		2.0					10.5		7.5				11.5	2.5	6.5		2.5			3.5	8.0	4.0	
12-13	3.5	1.0						6.0					2.5	3.5	3.0	7.5		6.5		9.0		8.0	4.0	
13-14				0.5		9.0	6.0	12.0		9.5			7.5	11.5	4.0	8.0		10.5			10.0	8.0	4.0	
14-15				1.5				8.0						3.5	4.5	8.5		0.5		7.0	4.0	0.0	4.0	
15-16		1.0		2.5		11.5		4.0		11.5				11.5	5.0	9.0		4.5	12.5			0.0	4.0	
16-17	2.0			3.0				10.0		4.0				3.5	5.5	1.5		9.0	11.5	4.5	10.0	0.0	4.0	
17-18								6.0						11.5	6.0	2.0			11.0		4.0	0.0	4.0	
18-19		0.5	3.0			10.0		12.0		6.0			4.5	3.5	6.5	2.5		3.0	10.0	2.5		0.0	4.0	
19-20			0.0					8.0	3.0				9.5	11.5	7.5	3.0		7.0	9.5		10.5	0.0	4.0	
20-21	1.0					12.5		4.0	4.5	8.0				3.5	8.0	3.5		11.0	9.0	0.0	4.5	0.0	4.0	
21-22	4.0	0.5			0.5			9.5	6.5					11.5	8.5	4.5		1.0	8.0			0.0	4.0	
22-23					1.5			5.5	8.5	9.5				3.5	9.0	5.0	3.0	5.5	7.5		11.0	0.0	4.0	
23-24					2.0	11.0		11.5	10.0					11.5	9.5	5.5		9.5	7.0		5.0	0.0	4.0	
24-25		0.5			3.0		8.0	7.5	12.0	11.5			6.5	3.5	2.0	6.0	4.5		6.0			0.0	4.0	
25-26	2.5							3.5		4.0			11.5	11.5	2.5	6.5		3.5	5.5		11.0	0.0	4.5	
26-27			1.0			9.5		9.5						3.5	3.0	7.0	6.0	7.5	5.0		5.5	0.5	4.5	
27-28		0.0					2.5	5.5		6.0				11.5	3.5	8.0		11.5	4.0			0.5	4.5	
28-29						12.0		11.5						3.5	4.5	8.5	7.0	1.5	3.5		11.5	0.5	4.5	
29-30	1.0			0.5				7.5		8.0			3.0	11.5	5.0	9.0		6.0	2.5		5.5	0.5	4.5	
30-31				1.5				3.0			4.5	8.0	3.5	5.5	9.5		8.5	10.0	2.0			0.5	4.5	



	AW	AX	AY	BE	BO	BS	BT	BU	CD
	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL
MAX	10.8	11.0	11.0	9.9	10.4	11.0	11.8	10.6	11.5
MIN	11.9	12.5	12.9	11.4	13.3	11.5	12.5	11.4	12.6
DUR	5	5	4	5	4	3	3	3	4
TOT									
0- 1	8.5				0.0	1.0			
1- 2	4.0			1.0			1.5	1.5	5.0
2- 3		0.0					5.0	4.5	
3- 4							8.5	8.0	6.5
4- 5		0.5	1.0	3.5					
5- 6	5.0					6.5		1.0	7.5
6- 7	0.0	1.5				5.5		4.0	0.0
7- 8				6.0		4.5		7.5	
8- 9		2.0				3.0			1.0
9-10	5.5					2.0	1.5	0.5	
10-11	1.0	2.5		8.5		1.0	5.0	4.0	2.5
11-12			6.5				8.0	7.0	
12-13		3.0							3.5
13-14	6.5							0.0	
14-15	1.5	3.5						3.5	5.0
15-16				0.5		6.5		6.5	
16-17		4.5	2.5			5.5			6.0
17-18	7.0					4.5	1.0		
18-19	2.5	5.0		3.0		3.0	4.5	3.0	7.5
19-20						2.0	8.0	6.5	
20-21		5.5				1.0			8.5
21-22	8.0			5.5					1.0
22-23	3.0	6.0						2.5	
23-24			8.0					6.0	2.5
24-25		6.5		8.0		7.5			
25-26	8.5				7.0	6.5	1.0		3.5
26-27	4.0	7.0				5.5	4.0	2.0	
27-28					6.0	4.0	7.5	5.5	4.5
28-29		8.0	4.0			3.0		9.0	
29-30					4.5	2.0			6.0
30-31	5.0	8.5				0.5		1.5	