MAS Eclipsing Binary Ephemeris for March 2015 all times in U.T.

	RT AND	TW AND	UU AND	WZ AND	XZ AND	AB AND	AB AND	AD AND	AD AND	BD AND	BX AND	DS AND	DS AND	QX AND	QX AND	V376 AND	V376 AND	RY AQR	CX AQR	XZ AQL	KO AQL	KP AQL	OO AQL
MAX	9.3	8.8	11.2	11.6	10.0	9.3	9.3	11.1	11.1	11.3	8.6	10.8	10.8	11.3	11.3	7.7	7.7	8.8	10.7	9.3	8.3	9.7	9.2
MIN	10.2	11.0	14.1	12.6	13.0	10.2	10.2	11.6	11.6	11.7	9.5	11.4	11.4	11.6	11.6	8.0	8.0	10.1	12.0	11.2	9.3	10.5	10.1
DUR	3	11	8	4	3	3	3	4	4	3	4	4	4	3	3	4	4	5	3	7	5	4	3
TOT		2																					
							(S)		(S)				(S)		(S)		(S)						
0- 1	5.5		3.0	2.0	5.5	11.0				4.0				1.5									
1- 2	11.5					11.0				2.0					2.0		5.5		12.0			12.5	
2- 3	2.5			4.0		11.0				11.5	5.0			2.5			0.5						
3- 4	9.0		2.0			11.0				9.5					3.5	4.5							
4- 5						11.0				8.0	1.0			4.0									
5- 6	6.0					10.5									5.0		5.5	12.5					
6- 7	12.5		1.5			10.5				4.5					0.5		0.5		12.0				
7- 8	3.5			0.5	0.5	10.5				2.5	2.0			1.5		4.0		11.5			10.5		
8- 9	9.5					2.5				1.0					2.0								
9-10	0.5		1.0	3.0		2.5				10.0				3.0			5.0	11.0					
10-11	7.0		12.5	12.0		2.0			4.5	8.5	3.5				3.5						7.5		
11-12					2.0	2.0			4.0					4.5		4.0			12.0	11.0			
12-13	4.0	2.5				2.0			4.0	5.0					5.0								8.5
13-14	10.5		12.0			2.0			3.5	3.0	4.5		12.5		1.0		5.0						8.5
14-15	1.5					2.0			3.0	1.0		0.5		1.5									9.0
15-16	7.5				4.0	1.5			3.0	10.5	0.5	1.0			2.5	4.0							9.5
16-17				2.0	12.5	1.5			2.5	9.0	6.0	1.0		3.0					12.0				9.5
17-18	5.0					1.5			2.0	7.0		1.5			4.0		5.0						10.0
18-19	11.0			4.0		1.5			2.0		1.5	1.5		4.5								8.5	10.5
19-20	2.0				5.5	1.5			1.5	3.5		2.0			5.0	4.0							10.5
20-21	8.5					1.0			1.0	1.5	12.5	2.0			1.0								11.0
21-22						1.0			1.0	11.0	3.0	2.5		2.0			4.5		12.0				11.5
22-23	5.5					1.0		12.5	0.5	9.0		2.5			2.5								11.5
23-24	12.0			0.5		1.0		12.0		7.5		3.0		3.0		3.5							12.0
24-25	3.0	11.5				0.5		11.5			4.0	3.0			4.0								12.0
25-26	9.0			3.0		0.5		11.5		4.0		3.5		4.5			4.5						
26-27				12.0	0.5	0.5	12.5	11.0		2.0		3.5		0.5					12.5	10.5			
27-28	6.5					0.5	12.5	10.5		11.5	5.5	4.0			1.0	3.5					12.0		
28-29							12.5	10.5		9.5		4.0		2.0								11.0	
29-30	3.5						12.0	10.0		8.0	1.5	4.5			2.5		4.5						
30-31	10.0				2.5		12.0	9.5				4.5		3.5							8.5		

	OO	V342	V343	V346	RX	SS	SS	RY	SX	TT	WW	WW	AP	AP	AR	AR	CL	EM	EP	HP	HP	IM	SS
	AQL	AQL	AQL	AQL	ARI	ARI	ARI	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	BOO
MAX	9.2	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
MIN	10.1	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
DUR	3	7	4	4	4	3	3	6	4	5	5	5	4	4	5	5	4	4	3	3	3	4	18
TOT		3																					6
	(S)						(S)					(S)		(S)		(S)					(S)		(2)
0- 1	10.5					2.0							5.5		2.5				2.0	5.5			
1- 2	11.0						2.5						8.5	2.0					6.5				
2- 3	11.0					3.0				8.0	5.5			5.0		4.0							
3- 4	11.5						3.5						1.5	8.5			5.0	5.0	1.0	1.5		6.0	
4- 5	12.0					3.5		2.5	1.0				5.0		5.5				5.5				
5- 6	12.0						4.0		6.0				8.5	1.5				1.0			5.0		
6- 7	12.5									8.0				5.0		7.5							
7- 8		12.5		10.5							6.5		1.5	8.0					4.5	8.0			
8- 9													4.5				4.5		9.0		1.0	6.0	
9-10			9.5			0.5							8.0	1.0									
10-11					1.0		1.0		2.0	8.0				4.5					3.5	4.5			
11-12					1.5	1.5			7.0			1.5	1.0	8.0					7.5				
12-13					2.0		1.5	6.5			8.0		4.5					8.0			7.5		
13-14					3.0	2.0							7.5	1.0			4.0		2.5	0.5		5.5	
14-15					3.5		2.5			8.0				4.0				3.5	6.5				
15-16					4.5	2.5							0.5	7.5							4.0		
16-17							3.0		3.5			2.5	4.0						1.0				
17-18				9.5		3.5			8.5		9.0		7.5	0.5					5.5	7.0			
18-19				12.0			4.0			7.5				4.0			3.5					5.5	
19-20						4.0								7.0									
20-21			11.0										3.5	10.5					4.5	3.5			3.0
21-22												4.0	7.0						9.0				
22-23									4.5	7.5			10.5	3.5							6.5		
23-24							0.5	4.5						7.0			3.0	6.0	3.5			5.0	
24-25		11.5				1.0							3.5	10.0					8.0				
25-26							1.5						6.5					2.0			3.0		
26-27						2.0				7.5		5.0	10.0	3.0					2.5				
27-28							2.0		0.5					6.5					6.5	6.0			
28-29				11.0		2.5			5.5				3.0	10.0			2.0					5.0	
29-30							3.0						6.5		1.0		8.0		1.5				
30-31						3.5				7.5			9.5	3.0					5.5	2.5			

	SS BOO	SS BOO	TU BOO	TU BOO	TY BOO	TY BOO	TZ BOO	TZ BOO	UW BOO	VW BOO	VW BOO	ZZ BOO	AD BOO	AD BOO	BW BOO	BW BOO	Y CAM	SV CAM	AL CAM	CD CAM	CD CAM	R CMA	RT CMA
MAX	10.3	10.3	11.7	11.7	11.8	11.8	10.6	10.6	10.4	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
MIN	11.0	11.0	12.7	12.7	12.3	12.3	11.1	11.1	11.4	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
DUR	18	18	3	3	3	3	3	3	3	3	3	5	4	4	5	5	10	3	5	5	5	4	5
TOT	6	6																					
		(3)		(S)		(S)		(S)			(S)	(S)		(S)		(S)					(S)		
0- 1			2.5	6.5	4.0	8.0	8.5	4.5	1.0	6.0	10.0	8.5		9.5				6.5	5.0	3.0	12.5		
1- 2			2.0	6.0	3.0	6.5	5.5	2.0	1.0	6.5	10.5		10.5		4.0		12.0	11.0			6.5	1.5	
2- 3			1.5	5.5	1.5	5.5	3.0	6.5	1.0	7.0	3.0			11.5				1.5		10.0	1.0	5.0	
3- 4			8.5	4.5	8.0	4.5	7.5	4.0	1.0	7.5	3.5		12.0					6.0		4.5			
4- 5			8.0	4.0	7.0	3.0	5.0	1.5	1.5	8.5	4.5				12.0			10.5	4.5		8.0		3.5
5- 6		4.0	7.0	3.5	6.0	2.0	2.5	6.0	1.5	9.0	5.0	8.0						0.5	12.5	11.5	2.5		
6- 7			6.5	2.5	4.5	8.5	7.0	3.5	1.5	9.5	5.5							5.0		6.0			
7- 8			6.0	2.0	3.5	7.5	4.5	8.0	1.5	10.5	6.0							9.5			9.5		
8- 9			5.5	1.5	2.5	6.0	1.5	5.5	2.0	3.0	7.0						3.0		4.0		3.5		0.5
9-10			4.5	8.5	9.0	5.0	6.5	2.5	2.0	3.5	7.5					4.5		4.0	12.0	7.5		0.5	
10-11			4.0	8.0	7.5	4.0	3.5	7.0	2.0	4.0	8.0	8.0						8.5		1.5	11.0	4.0	
11-12			3.5	7.0	6.5	2.5	8.0	4.5	2.0	4.5	9.0				4.0		10.0				5.0	7.0	
12-13			2.5	6.5	5.5	9.0	5.5	2.0	2.0	5.5	9.5							3.5	4.0	8.5			
13-14			2.0	6.0	4.0	8.0	3.0	6.5	2.5	6.0	10.0							8.0	11.5	3.0	12.0		4.5
14-15			1.5	5.5	3.0	7.0	7.5	4.0	2.5	6.5	2.5				12.0			12.5			6.5		
15-16			8.5	4.5	2.0	5.5	5.0	1.5	2.5	7.5	3.0	7.5						2.5		10.0	1.0		
16-17			8.0	4.0	8.5	4.5	2.5	6.0	2.5	8.0	4.0							7.0	3.5	4.5			
17-18			7.0	3.5	7.0	3.5	7.0	3.5	3.0	8.5	4.5							11.5	11.5		8.0		2.0
18-19			6.5	2.5	6.0	2.0	4.0	8.0	3.0	9.0	5.0						1.0	1.5		11.5	2.0	2.5	
19-20			6.0	2.0	5.0	8.5	1.5	5.0	3.0	10.0	6.0					4.5		6.0		5.5		6.0	
20-21	6.0	9.0	5.5	1.5	3.5	7.5	6.0	2.5	3.0	10.5	6.5	7.5						10.5	3.0		9.0		
21-22			4.5	8.5	2.5	6.0	3.5	7.0	3.0	3.0	7.0			2.0	4.0		8.0	1.0	11.0		3.5		
22-23			4.0	8.0	9.0	5.0	8.0	4.5	3.5	3.5	7.5		3.0					5.5		7.0			6.0
23-24			3.5	7.0	7.5	4.0	5.5	2.0	3.5	4.5	8.5			4.0				10.0		1.5	10.5		
24-25			2.5	6.5	6.5	2.5	3.0	6.5	3.5	5.0	9.0		4.5		12.0				3.0		5.0		
25-26			2.0	6.0	5.5	9.0	7.5	4.0	3.5	5.5	9.5	7.5		5.5				4.5	10.5	8.5			
26-27			1.5	5.0	4.0	8.0	5.0	8.5	4.0	6.0	10.5		6.5					9.0		2.5	12.0	1.5	3.0
27-28			8.5	4.5	3.0	7.0	2.0	5.5	4.0	7.0	2.5			7.0							6.0	5.0	
28-29			8.0	4.0	2.0	5.5	6.5	3.0	4.0	7.5	3.5		8.0					3.5	2.5	10.0	0.5		
29-30			7.0	3.5	8.5	4.5	4.0	7.5	4.0	8.0	4.0			9.0		4.5		8.0	10.5	4.0			
30-31			6.5	2.5	7.0	3.5	1.5	5.0	4.0	9.0	4.5	7.0	9.5								7.5		

	SX	TU	TZ	TZ	UU	XZ	YY	AC	AK	AM	AM	TY	RZ	TV	TW	ZZ	AB	CW	CW	DZ	IR	IS	IT
	CMA	CMA	CMA	CMA	CMA	CMI	CMI	CMI	CMI	CMI	CMI	CAP	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
MAX	10.3	9.7	9.8	9.8	10.0	9.7	8.5	11.0	10.1	10.0	10.0	10.5	6.4	7.3	8.3	10.7	10.2	11.8	11.8	11.6	10.8	11.6	11.0
MIN	11.4	10.7	10.5	10.5	12.5	10.2	9.1	11.5	11.5	10.7	10.7	11.6	7.8	8.4	8.9	11.1	12.2	12.5	12.5	12.3	12.1	12.6	11.8
DUR	4	4	4	4	5	3	4	3	4	5	5	4	4	4	5	4	4	3	3	4	4	5	5
TOT				(S)							(S)								(S)				
0- 1			6.0						5.0		5.0				10.5			3.5	7.5	10.0	0.5		
1- 2	1.5				6.5	3.5	2.5		8.5		5.5			11.0				2.5	6.5	4.5	9.0		
2- 3				5.0		7.5	5.0				6.0	12.5					1.0	1.5	5.5		1.5		
3- 4							7.0	7.0	1.0		6.5		1.5	6.5	7.0	3.5	9.5	0.5	4.5		10.0	9.5	
4- 5			1.5			1.0		4.0	4.0		7.0		6.0			9.5		7.0	3.5	8.0	2.5		
5- 6		1.0				5.0		0.5	7.5		7.5		11.0	2.0				6.0	2.5	3.0	11.0	5.5	
6- 7		4.0		0.5		8.5					8.0				3.5		3.0	5.0	1.5		3.5		
7- 8											8.5						12.0	4.0	8.0	11.5	12.0	2.0	
8- 9						2.5			3.5							3.0		3.0	7.0	6.0	4.5		
9-10	4.5					6.0		8.5	6.5				1.0			9.0		2.0	6.0	1.0			
10-11								5.5					5.5	12.5	10.5		5.5	1.0	4.5		5.5		
11-12								2.5					10.0					7.5	3.5	9.5			
12-13					2.5	3.5	1.0		2.5			11.5		8.0				6.5	2.5	4.5	6.5		11.0
13-14						7.5	3.5		5.5						7.0	2.5		5.5	1.5				
14-15	1.5	1.5			6.5		5.5		8.5					3.5		8.0	8.0	4.5	0.5		7.5	10.5	
15-16		5.0				1.0	8.0											3.5	7.0	7.5			
16-17						5.0		7.0	1.5				5.0		3.5			2.5	6.0	2.5	8.5	7.0	8.5
17-18						8.5		4.0	4.5	1.0			9.5				1.5	1.5	5.0		1.0		
18-19								1.0	7.5	1.0						1.5	10.5	8.0	4.0	11.0	9.5	3.0	
19-20						2.0				1.5						7.5		7.0	3.0	6.0	2.0		
20-21						6.0			0.5	2.0					10.0			6.0	2.0	0.5	10.5		6.0
21-22									3.5	2.5				9.5			4.0	5.0	1.0		3.0		
22-23	4.5							9.0	7.0	3.0		11.0	4.5					3.5	7.5	9.0	11.5		
23-24		2.0	4.5			3.5		5.5		3.5			9.0	5.0	7.0	1.0		2.5	6.5	4.0	4.0		
24-25		5.5				7.0	2.0	2.5		4.0						7.0		1.5	5.5				3.5
25-26				3.5	2.5		4.0		2.5	4.5				0.5			6.5	0.5	4.5		5.0	12.0	
26-27						1.0	6.5		6.0	5.0					3.5			7.0	3.5	7.5			
27-28	1.5				6.5	4.5	8.5			5.5								6.0	2.5	2.0	6.0	8.0	
28-29						8.5				6.0			4.0			0.5		5.0	1.5				1.0
29-30								7.5	2.0	6.5			8.5			6.5	9.0	4.0	8.0	10.5	7.0	4.5	
30-31						2.0		4.0	5.0	7.0				11.0	10.0	12.0		3.0	7.0	5.5			

	MM	OR	OX	PV	V364	V364	V375	V380	U	SU	WW	WZ	WZ	XX	ZZ	DK	DL	DV	EG	EK	GK	TT	TW
	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CET	CET
MAX	11.3	11.4	10.1	10.0	11.2	11.2	10.1	10.4	6.7	8.8	11.1	11.4	11.4	8.5	9.3	12.2	12.4	11.6	9.6	8.2	6.9	10.8	10.4
MIN	11.9	12.4	10.9	10.6	11.7	11.7	10.9	11.1	9.8	9.8	11.9	12.0	12.0	9.6	10.0	14.2	13.2	12.4	10.6	9.5	7.4	11.3	11.2
DUR	5	4	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)										
0- 1				3.5	5.5			2.0				3.0	8.0	5.5	3.0	6.5		8.5	11.0		9.0		1.5
1- 2	0.5	1.0					2.0	11.0		11.5	2.5	9.0	4.0			6.0		12.0			7.5		
2- 3	4.5	7.0								9.0		5.0	10.0		6.0	6.0	8.0		2.5		5.5		
3- 4	8.0		5.5							7.0		1.0	6.0			5.5			4.5	8.0	4.0		
4- 5	12.0					2.0	0.5	4.0	7.5	4.5		7.0	2.0		9.5	5.0			6.5		2.5	1.5	
5- 6				9.5			12.0	12.5		2.0		3.0	8.0			5.0			9.0		1.0	1.0	
6- 7		0.5			9.5							9.0	4.0			4.5		3.5	11.0				
7- 8		6.5		3.5		4.0						5.0	10.0	5.5		4.0	5.0	7.5					1.0
8- 9		12.5	5.0				11.0	5.5				1.5	6.5			4.0		11.5	2.0				
9-10	3.0				11.5				7.0			7.5	2.5			3.5			4.5				
10-11	7.0					6.0				12.0	7.5	3.5	8.5			3.0	11.5		6.5				
11-12	10.5				0.5		9.5			9.5		9.5	4.5			3.0			8.5				
12-13		6.0		9.5				7.5		7.0		5.5	0.5			2.5	2.5		11.0	4.5			
13-14		12.0	4.5							4.5		1.5	6.5			2.0		3.0			11.5		1.5
14-15				3.5	2.5		8.5		7.0	2.5		7.5	2.5	6.0		2.0		7.0	2.0		10.0		
15-16								0.5				3.5	8.5		2.5	1.5	9.0	11.0	4.0		8.5		
16-17	2.0					10.5		9.0				9.5	4.5			1.0			6.5		7.0		
17-18	5.5	5.5			5.0		7.0					5.5	0.5		6.0	1.0			8.5		5.0		
18-19	9.5	11.5	4.0									1.5	6.5			0.5			10.5		3.5		
19-20				9.5		12.5		2.0	6.5	12.0	12.5	8.0	3.0		9.5						2.0		
20-21							5.5	11.0		10.0		4.0	9.0				6.5	2.5	2.0		0.5		0.5
21-22				3.5		1.5				7.5		10.0	5.0	6.0				6.5	4.0	1.0		1.5	
22-23		5.5								5.0		6.0	1.0					10.0	6.0			1.0	
23-24	0.5	11.0	3.5				4.5	4.0		2.5		2.0	7.0				12.5		8.0				
24-25	4.5					3.5		12.5	6.5		2.5	8.0	3.0						10.5				
25-26	8.5											4.0	9.0				3.5		12.5	11.0			
26-27	12.0			9.5	11.0		3.0					10.0	5.0						1.5				1.0
27-28		5.0				5.5		5.5				6.0	1.0					1.5	3.5		12.5		
28-29		11.0	3.0	3.5						12.5		2.0	7.0	6.5			10.0	5.5	6.0		11.0		
29-30							2.0		6.0	10.0		8.0	3.0					9.5	8.0		9.5		
30-31										8.0		4.0	9.5		2.5		1.0		10.0		8.0		

	TW CET	TX CET	RW COM	RW COM	RZ COM	RZ COM	SS COM	SS COM	CC COM	CC COM	U CRB	RW CRB	TW CRB	W CRV	W CRV	RV CRV	RV CRV	V CRT	Y CYG	SW CYG	WW CYG	ZZ CYG	AE CYG
MAX	10.4	10.9	11.0	11.0	10.0	10.0	10.9	10.9	11.0	11.0	7.6	10.1	10.5	10.6	10.6	9.0	9.0	9.5	7.0	9.3	9.9	10.7	11.8
MIN	11.2	11.5	11.6	11.6	10.7	10.7	11.5	11.5	11.9	11.9	8.8	10.6	11.3	11.2	11.2	10.0	10.0	10.2	7.6	11.8	13.2	12.0	12.8
DUR	3	4	3	3	3	3	4	4	2	2	5	4	4	4	4	4	4	4	6	5	5	4	4
TOT		1																		2			
	(S)			(S)		(S)		(S)		(S)					(S)		(S)						
0- 1			2.5	5.5	5.5	1.5	3.5	8.5	1.0	3.5		10.0	5.5	5.0	9.5		9.0	10.0			11.5	10.0	10.0
1- 2			1.5	4.0	6.0	2.0	9.5	4.5	3.5	0.5	3.0	3.5	10.0	9.0	4.0	12.0	3.0	3.0					9.5
2- 3		0.5	6.0	3.0	6.5	2.0	5.0	10.0	0.5	3.0				3.5	8.0	6.0						7.5	8.5
3- 4			4.5	1.5	6.5	2.5	1.0	6.0	3.0	5.5		7.5	4.0	7.5	2.5		8.5	5.5	12.5				
4- 5	0.5		3.5	0.5	7.0	3.0	7.0	2.0	5.5	3.0			8.5	2.0	6.5	12.0				8.5			
5- 6			2.0	5.0	7.5	3.5	2.5	7.5	2.5	5.5		12.0		6.0	10.5	6.0		8.0				11.0	
6- 7			1.0	4.0	7.5	3.5	8.5	3.5	5.0	2.5		5.5		10.0	5.0		8.5		12.5				
7- 8			5.5	2.5	8.0	4.0	4.0	9.0	2.5	5.0			7.0	4.5	9.0	11.5		10.5				8.0	
8- 9			4.0	1.5	8.5	4.5	10.0	5.0	5.0	2.0		9.5	11.5	8.5	4.0	5.5		3.5					
9-10			3.0	6.0	0.5	5.0	5.5	10.5	2.0	4.5		3.0		3.0	8.0		8.0		12.5				
10-11	1.0		2.0	4.5	1.0	5.0	1.5	6.5	4.5	2.0			6.0	7.0	2.5	11.5		6.0			10.5	11.5	
11-12			0.5	3.5	1.5	5.5	7.0	2.0	1.5	4.5	11.5	7.5	10.0	11.0	6.5	5.0							
12-13			5.0	2.0	2.0	6.0	3.0	8.0	4.0	1.5				5.5	10.5		8.0	8.5	12.0			9.0	
13-14			4.0	1.0	2.0	6.5	8.5	4.0	1.5	4.0		11.5	4.5	9.5	5.0	11.0		1.5		12.0			
14-15			2.5	5.5	2.5	6.5	4.5	9.5	4.0	1.0		5.0	8.5	4.0	9.0	5.0		11.0				6.0	
15-16			1.5	4.5	3.0	7.0	10.5	5.5	1.0	3.5				8.0	3.5		7.5	4.0	12.0			12.5	
16-17		2.5	6.0	3.0	3.5	7.5	6.0	1.0	3.5	1.0		9.5		3.0	7.5	11.0							
17-18			4.5	2.0	3.5	8.0	2.0	7.0	0.5	3.5		3.0	7.5	6.5	2.0	4.5		6.5				9.5	
18-19			3.5	0.5	4.0	8.0	7.5	2.5	3.0	0.5	9.0		11.5	10.5	6.0		7.5		12.0			0.5	
19-20		1.5	2.5	5.0	4.5	8.5	3.5	8.5	5.5	3.0		7.0		5.5	10.0	10.5		9.0				7.0	
20-21			1.0	4.0	5.0	1.0	9.0	4.0	3.0	5.5			6.0	9.0	4.5	4.5		2.0			9.0		
21-22			5.5	2.5	5.0	1.0	5.0	10.0	5.5	2.5		11.5	10.5	4.0	8.5		7.0		12.0				
22-23		0.5	4.5	1.5	5.5	1.5	1.0	5.5	2.5	5.0		5.0		8.0	3.0	10.0		4.5				10.0	
23-24	1.0		3.0	6.0	6.0	2.0	6.5	1.5	5.0	2.5			4.5	2.5	7.0	4.0							
24-25			2.0	4.5	6.5	2.5	2.5	7.5	2.0	5.0		9.0	9.0	6.5	11.0		6.5	7.0	12.0			7.5	
25-26			0.5	3.5	6.5	2.5	8.0	3.0	4.5	2.0	7.0			10.5	5.5	10.0							
26-27			5.0	2.5	7.0	3.0	4.0	9.0	2.0	4.5				5.0	9.5	4.0		9.5					
27-28			4.0	1.0	7.5	3.5	9.5	4.5	4.5	1.5		7.0	7.5	9.0	4.0		6.5	2.5	12.0			11.0	
28-29			2.5	5.5	8.0	4.0	5.5	10.5	1.5	4.0			12.0	3.5	8.0	9.5							
29-30	1.5		1.5	4.5	8.0	4.0	1.0	6.0	4.0	1.5		11.5		7.5	3.0	3.5	12.5	5.0				8.0	12.0
30-31			6.0	3.0	0.5	4.5	7.0	2.0	1.0	4.0		4.5	6.5	2.0	6.5		6.0		11.5		8.0		11.0

	BR CYG	CG CYG	DK CYG	KR CYG	KV CYG	V346 CYG	V387 CYG	V388 CYG	V401 CYG	V456 CYG	V466 CYG	V466 CYG	V477 CYG	V548 CYG	V704 CYG	1034 CYG	W DEL	TT DEL	TY DEL	YY DEL	FZ DEL	Z DRA	RZ DRA
MAX	9.4	11.0	10.3	9.2	11.5	11.8	11.5	9.7	10.8	10.8	10.8	10.8	8.3	8.9	13.8	9.6	9.4	10.6	9.6	11.0	10.2	10.8	10.0
MIN	10.5	11.8	10.8	10.0	12.6	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
DUR	4	3	4	4	5	5	3	3	4	3	4	4	4	5	4	4	7	5	4	4	3	4	3
TOT																	2						
												(S)											
0- 1			9.5						10.5						1.5					10.0			10.5
1- 2	8.0	9.5					10.5												9.5			2.5	
2- 3															8.5						10.5	11.0	2.0
3- 4							8.5		8.5	11.5	7.5		10.5	10.5	11.5								4.5
4- 5				9.0				9.5	12.5	9.0					1.5					9.0			7.0
5- 6	8.0											9.5		6.0								4.0	9.5
6- 7		10.5	12.5		12.0										8.0								12.0
7- 8			11.0			12.5			10.5		11.5			1.0	11.5								1.0
8- 9		8.0	9.5				11.5								1.5								3.5
9-10	7.5			10.5	8.5																12.0	6.0	6.0
10-11							9.5	9.5	8.5				11.5		8.0			9.5					8.5
11-12		11.5							12.5	12.0					11.5					12.5			11.0
12-13										9.5		8.5		11.0	1.0								
13-14	7.5	9.0								7.0											10.0	7.5	2.5
14-15			12.5	12.5					10.0		10.5			6.5	8.0				12.0				5.0
15-16			11.0	8.5											11.5					11.5			7.5
16-17			9.5					10.0						2.0	1.0							0.5	10.0
17-18	7.5						10.5		8.0													9.5	12.5
18-19		10.5				12.0			12.0						8.0								1.5
19-20							9.0					7.5			11.5	12.5				10.5			4.0
20-21		8.0		10.5						10.0					1.0	12.0	9.0		11.0		11.0	2.5	6.5
21-22	7.5								10.0	7.5	9.5			11.5		11.0						11.0	9.0
22-23			12.5					10.5							7.5	10.5							11.5
23-24		11.5	11.0									12.0		7.0	11.0	10.0				10.0			0.5
24-25			9.5				12.0		8.0						1.0	9.5						4.0	3.0
25-26	7.5	9.0		12.0					12.0					2.5		9.0							5.5
26-27				8.5	9.0		10.0								7.5	8.5			9.5				8.0
27-28															11.0	8.0				9.0	12.0		10.5
28-29							8.0	10.5	10.0	10.5	8.5				0.5	7.5						6.0	
29-30	7.5					11.0				8.0													2.0
30-31		10.0	12.5									11.0		12.5	7.5			12.0					4.5

	TW DRA	UZ DRA	UZ DRA	AI DRA	BH DRA	S EQU	TZ ERI	YY ERI	YY ERI	RW GEM	SX GEM	TX GEM	WW GEM	AF GEM	AL GEM	Z HER	RX HER	SZ HER	TT HER	TU HER	UX HER	CC HER	CT HER
MAX	7.8	9.9	9.9	7.2	8.0	8.0	9.8	8.4	8.4	9.6	10.8	10.0	9.8	10.2	9.3	7.3	7.1	10.2	9.7	10.6	8.9	9.5	9.9
MIN	9.5	10.7	10.7	8.2	8.6	10.0	12.6	9.1	9.1	11.6	11.7	11.9	10.5	11.3	10.0	8.2	7.7	12.0	10.4	13.4	9.8	12.8	11.2
DUR	5	5	5	4	5	5	4	3	3	5	5	6	4	4	4	8	5	4	4	5	5	4	4
TOT	1						1			1										1			
			(S)						(S)														
0- 1			4.0	7.5				3.0							8.5				6.5	9.0			
1- 2				12.5	4.0			2.0			5.0												4.5
2- 3								1.0						4.0				12.0				11.0	
3- 4			10.5						4.0			6.0	0.5		3.0			7.5					
4- 5									3.5				6.0				8.5						
5- 6		1.5		3.0					2.5		7.5												
6- 7				7.5					1.5			1.5											
7- 8	9.5			12.5					1.0					3.0	7.5			9.5		4.5			
8- 9		7.5			10.5			4.0			1.0							5.5	11.5		8.0		8.0
9-10								3.0					5.0						9.5	10.5		9.5	
10-11	4.5				6.0			2.0							2.0				7.5				
11-12				2.5				1.5									11.5	12.0	5.0		10.5		
12-13				7.5	1.5		1.5	0.5	4.5		3.5			2.5				7.5					
13-14			5.0	12.0					3.5	6.0				8.5									
14-15									2.5				4.0		6.5								
15-16									1.5														11.5
16-17			11.5						1.0	3.0	6.0							9.5		6.0		8.0	
17-18				2.5				4.0				6.0		2.0	1.0			5.5					6.5
18-19		2.5		7.5				3.0						8.0					12.5	12.5			
19-20				12.0	8.0			2.0					2.5						10.0				
20-21								1.5			8.0	1.5	8.5			12.5	9.0	12.0	8.0				
21-22	10.0	9.0			4.0	12.0		0.5	4.5						5.0			7.5	6.0				
22-23									3.5					1.5							6.5		
23-24				2.5					2.5		2.0			7.0								6.5	
24-25	5.5			7.0					2.0				1.5			12.5							10.0
25-26				12.0			2.0		1.0				7.5					9.5		7.5	9.0		
26-27			6.0					4.0										5.5					5.0
27-28	1.0							3.0			4.0			0.5			11.5						
28-29					10.0			2.0						6.5	4.0	12.0					11.0	11.5	
29-30			12.5	2.0				1.5										12.0	11.0				
30-31				7.0	6.0			0.5	4.5				6.0					7.5	9.0			5.0	

	DI HER	HS HER	HS HER	LT HER	V728 HER	WY HYA	WY HYA	AV HYA	DF HYA	DF HYA	DI HYA	DK HYA	SW LAC	SW LAC	VX LAC	AW LAC	CM LAC	CO LAC	CO LAC	DG LAC	GX LAC	Y LEO	UU LEO
MAX	8.4	8.5	8.5	10.7	10.9	10.3	10.3	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
MIN	9.1	9.0	9.0	11.1	11.5	11.1	11.1	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
DUR	6	4	4	4	3	3	3	4	4	4	4	4	3	3	4	5	4	5	5	4	6	5	4
TOT			(S)				(S)			(S)				(S)					(S)				
0- 1						8.0			3.5	7.5	6.0	6.5	2.0					6.5					
1- 2					12.5	1.0		9.0	3.5	7.5		7.5	1.5			3.5			0.5				2.5
2- 3					11.0		3.0	1.5	3.0	7.0	2.0	8.5		12.0		7.0							
3- 4		8.5			9.5	5.0		10.5	3.0	7.0	7.5	9.5		11.0		10.5		8.5				4.5	
4- 5				6.5	8.0		6.5	2.5	3.0	7.0				10.0	2.0		12.0		3.0				11.5
5- 6	11.5			8.5	6.5	8.5			2.5	6.5	4.0			1.5									
6- 7				10.5	5.5	1.5		4.0	2.5	6.5			12.0	0.5				10.5		2.5			3.5
7- 8			11.0		4.0		3.5		2.0	6.0		1.0	11.0						5.0				
8- 9						5.0		5.0	2.0	6.0	5.5	2.0	10.5		9.0					7.5		6.0	
9-10					12.5		7.0		2.0	6.0		3.0	1.5		11.0	3.5	7.5	12.5					
10-11					11.0	8.5		6.5	1.5	5.5	2.0	4.5	1.0	12.5		7.0			7.0	12.5	8.0		
11-12					10.0	2.0			1.5	5.5	7.5	5.5		11.5		10.5		1.5					4.5
12-13			9.0		8.5		3.5	7.5	1.0	5.0		6.5		10.5									
13-14					7.0	5.5			1.0	5.0	3.5	7.5		2.0					9.0			7.5	
14-15					5.5		7.0	8.5	1.0	5.0	9.0	8.5		1.0				3.5					
15-16					4.5	9.0		1.0	0.5	4.5			11.5										
16-17		10.5				2.0		10.0	0.5	4.5	5.5		11.0						11.0				5.5
17-18			7.0	7.0			4.0	2.5	8.0	4.0			2.0			3.5	8.0	5.5		3.5			
18-19				9.0	11.5	5.5			8.0	4.0	1.5		1.5		1.5	7.0						9.0	
19-20				11.0	10.0		7.5	3.5	8.0	4.0	7.5	1.0		12.0		10.5				8.5			
20-21					8.5		0.5		7.5	3.5		2.5		11.0				7.5				1.0	
21-22		8.5			7.5	2.5		4.5	7.5	3.5	3.5	3.5		10.0					2.0				6.5
22-23					6.0		4.0		7.0	3.5	9.0	4.5		1.5									
23-24					4.5	6.0		6.0	7.0	3.0		5.5	12.0	0.5	10.5			9.5			1.0	10.0	
24-25							7.5		7.0	3.0	5.5	6.5	11.0		12.0				4.0				
25-26			11.5				1.0	7.0	6.5	2.5		7.5	10.5			3.5	9.0					2.5	
26-27		6.5			11.5	2.5			6.5	2.5	1.5	8.5	1.5			7.0		11.5					7.5
27-28					10.5		4.5	8.5	6.0	2.5	7.0		1.0	12.5		10.5			6.0				
28-29					9.0	6.0		0.5	6.0	2.0				11.5				0.5		4.0		11.5	
29-30					7.5		8.0	9.5	6.0	2.0	3.5			10.5							10.0		
30-31			9.5	7.0	6.0		1.0	2.0	5.5	1.5	9.0			2.0					8.0	9.0		4.0	

	UV LEO	VZ LEO	WZ LEO	XY LEO	XZ LEO	AM LEO	Z LEP	RR LEP	SS LIB	DELT LIB	RY LYN	UZ LYR	EW LYR	FL LYR	RU MON	RU MON	RW MON	AT MON	BB MON	BO MON	EP MON	U OPH	SX OPH
MAX	9.5	10.6	11.3	9.5	10.6	9.2	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
MIN	10.2	11.7	12.0	9.9	11.2	9.8	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
DUR	3	4	5	2	3	3	4	4	6	7	4	5	5	4	5	5	5	5	4	5	5	5	5
TOT																	1						
																(S)							
0- 1	12.0		6.5	1.0	5.5	9.0	1.0												4.5				
1- 2	2.5			4.5	4.5	2.5	1.0				6.0	9.5								3.0	3.5		
2- 3	7.0			1.0	4.0	4.5	1.0														7.0		
3- 4	12.0		2.0	4.0	3.5	7.0	0.5	3.5	11.0			7.0							3.0	8.0			
4- 5	2.5	2.0		0.5	3.0	0.5	0.5	1.5			3.0												
5- 6	7.0	4.0		4.0	2.5	3.0				5.0													
6- 7	12.0	6.5		7.0	2.0	5.5			8.0					5.5					1.5				
7- 8	2.5	8.5	7.5	3.5	1.0	7.5																	
8- 9	7.0	10.5		7.0	0.5	1.0					10.0		12.5	10.0		4.0			6.0		1.0		
9-10	12.0			3.5	11.5	3.5															4.5		
10-11	2.5		3.0	6.5	11.0	6.0							11.0							0.5			
11-12	7.0			3.0	10.5	8.0					7.0							1.0	4.5			6.5	
12-13	12.0			6.5	10.0	2.0				4.5			10.0				8.0			6.0			
13-14	2.5			2.5	9.5	4.0		5.0										1.5					
14-15	7.0		8.5	6.0	9.0	6.5		3.0		12.5	4.0		8.5		1.5		5.5		3.0				
15-16	12.0			2.5	8.0	9.0		1.0										2.0					
16-17	2.5	1.5		6.0	7.5	2.5			10.0				7.5				3.5				1.5	7.0	
17-18	7.0	4.0	4.0	2.0	7.0	4.5					1.0							3.0	1.0		5.5		
18-19	12.0	6.0		5.5	6.5	7.0					11.5	10.0	6.0				1.0						
19-20	2.5	8.0		2.0	6.0	0.5			7.0					7.0				3.5	6.0				
20-21	7.0	10.5		5.0	5.5	3.0						7.5											7.0
21-22	12.0		9.5	1.5	4.5	5.0				12.0	8.0			11.5	5.5			4.5		3.5		8.0	
22-23	2.5			5.0	4.0	7.5													4.5				8.5
23-24	7.0			1.5	3.5	1.0												5.0					
24-25	12.0		5.0	4.5	3.0	3.5		5.0			5.0										2.5		10.0
25-26	2.5			1.0	2.5	6.0		3.0										5.5	2.5		6.0		
26-27	7.5			4.5	1.5	8.0		0.5	11.5							2.0						8.5	11.5
27-28	12.0		0.5	1.0	1.0	1.5					2.0							6.5	7.5				
28-29	2.5	1.5	10.5	4.0	0.5	4.0				11.5	12.5								1.0				
29-30	7.5	3.5		0.5	11.5	6.5			8.5									7.0					
30-31	12.0	5.5		4.0	11.0	8.5								4.5					5.5	1.0			

	V501 OPH	V508 OPH	V839 OPH	1010 OPH	EF ORI	EF ORI	EQ ORI	ER ORI	ER ORI	ET ORI	FH ORI	FL ORI	FR ORI	FT ORI	FZ ORI	FZ ORI	GU ORI	GU ORI	U PEG	U PEG	TY PEG	UX PEG	AQ PEG
MAX	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	9.1	10.7	10.7	12.6	12.6	9.7	9.7	10.5	10.7	10.3
MIN	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	9.7	11.3	11.3	13.5	13.5	10.5	10.5	12.6	12.0	13.0
DUR	4	3	3	4	6	6	4	3	3	5	5	3	4	4	3	3	4	4	3	3	6	5	12
TOT						(S)			(S)							(S)		(S)		(S)			5 (2)
0- 1		12.0	11.0		3.0			5.0							6.5	2.0		5.5					
1- 2			6.5	8.0				1.5				5.0			2.0	6.5		4.0	12.0				
2- 3			12.0						2.5	5.5					6.5	2.0		2.5		1.5			
3- 4		6.5	7.5	7.5				4.0		4.5					2.0	6.5	7.0	1.0					
4- 5		7.0				4.0	1.0		5.5	3.5					6.5	2.0	5.5		12.0				
5- 6		8.0	8.5	7.0					2.0	2.0			7.0		2.0	6.5	4.0			1.5	1.0		
6- 7		9.0						3.0		1.0			4.0		6.5	2.0	2.5						
7- 8		9.5	10.0	6.5					4.5		3.5		1.5		2.0	6.5	1.0	7.0	12.0				
8- 9		10.5			5.0				1.0						6.5	2.0		5.5		1.5			
9-10		11.5	11.0			0.5		2.5							2.0	6.5		4.0					
10-11		12.0							3.5						6.5	2.0		2.5	12.0				
11-12			12.0				0.5	5.0							2.0	6.5	7.0	1.0		1.5			
12-13			7.5			6.5		1.5				1.5			6.5	2.0	5.5					11.5	
13-14		6.5			2.0				3.0				6.0		2.0	6.5	4.0		12.0				
14-15		7.0	8.5					4.5					3.0		6.5	2.0	2.5			1.5			
15-16	12.0	8.0						0.5				4.0		3.0	2.0	6.5	1.0	7.0					
16-17	11.5	9.0	10.0		7.5				2.0						6.5	2.0		5.5					
17-18	10.5	9.5				3.0		3.5							2.0	6.5		4.0		1.5			
18-19	10.0	10.5	11.0	12.5					5.0					6.5	6.5	2.0		2.5					
19-20	9.0	11.5							1.0						2.0	6.5	7.0	1.0					
20-21	8.5	12.0	12.0	12.0				2.5			1.0				6.5	2.0	5.5			1.5	12.0		11.5
21-22	7.5		7.5		4.0				4.0				4.5		2.0	6.5	4.0						
22-23	6.5			11.5				5.5		5.0	5.0		2.0		6.5	2.0	2.5						
23-24		6.5	8.5					1.5		3.5					2.0	6.5	1.0	7.0		1.5			
24-25		7.0		11.5					3.0	2.5					6.5	2.0		5.5					
25-26		8.0	9.5			5.5		4.5		1.5					2.0	6.5		4.0					
26-27		9.0		11.0	0.5			1.0				0.5			6.5	2.0		2.5		1.5			
27-28		9.5	11.0						2.0						2.0	6.5	7.0	1.5					
28-29		10.5		10.5				3.5					6.0		6.5	1.5	5.5						
29-30		11.5	12.0		6.5				5.0			3.0	3.5		1.5	6.5	4.0			1.5		11.0	
30-31		12.0	7.5	10.0		2.0	5.5		1.5				0.5		6.5	1.5	2.5						

	AQ PEG	BB PEG	BB PEG	BG PEG	BX PEG	DI PEG	GP PEG	Z PER	RT PER	RV PER	ST PER	XZ PER	IT PER	IU PER	KW PER	V432 PER	BETA PER	Y PSC	RV PSC	UZ PUP	UZ PUP	AV PUP	U SGE
MAX	10.3	10.6	10.6	10.5	10.9	9.6	10.2	9.9	10.6	10.3	9.7	10.6	9.9	10.5	10.5	11.0	2.2	9.0	11.3	9.7	9.7	10.2	6.4
MIN	13.0	11.2	11.2	11.8	11.5	10.8	11.0	12.4	12.0	12.7	13.2	12.7	10.5	11.6	11.5	11.7	3.5	12.0	12.0	10.6	10.3	10.8	9.1
DUR	12	3	3	4	3	2	4	6	4	8	5	4	4	5	4	3	8	7	3	4	4	3	6
TOT	5			1				2			1												2
			(S)																		(S)		
0- 1			11.0									9.0		5.5	8.5					0.5		2.0	
1- 2					11.0				6.5				0.5	2.0	6.5	3.5			1.0		5.0	4.5	
2- 3		11.0				1.0			2.5		3.5				5.0	7.0			3.5			7.5	
3- 4					10.5										3.5	1.5				4.5			11.0
4- 5			10.5	0.5									2.5		2.0	5.0							
5- 6			12.5		9.5																4.5	2.0	
6- 7					12.5							3.0		5.5		3.0			0.5			4.5	
7- 8		12.0				0.5		1.5	5.0			6.5	4.0	2.0		6.5			3.5	4.0		7.5	
8- 9					11.5				1.5							1.0							
9-10	11.5		12.0													4.5					4.0		
10-11					10.5			2.5			2.5		5.5									2.0	
11-12		11.5					12.5									2.5	4.0			3.5		5.0	
12-13					9.5		12.0		7.5	7.0				5.5	11.0	6.0			3.0			7.5	
13-14			11.5				11.5	4.0	3.5			1.0		2.0	9.5	0.5					3.0		
14-15							10.5			6.5		4.5			7.5	4.0	1.0			8.0			
15-16		11.0			11.5		10.0					8.0			6.0					3.0		2.5	
16-17								5.5		6.0					4.5	2.0					7.5	5.0	
17-18			11.0		11.0										2.5	6.0			2.5		2.5	8.0	
18-19									6.0	5.0	1.0			5.5	1.0					7.0			
19-20		10.5			10.0			7.0	2.5					2.0		4.0				2.5			
20-21										4.5											7.0	2.5	8.5
21-22					9.0							2.5				2.0					2.0	5.0	
22-23			12.5		12.0					4.0		6.0				5.5			2.0	6.5		8.0	
23-24																				1.5			
24-25		12.0			11.0				5.0	3.0			1.0	5.5		3.5					6.0		
25-26				12.0					1.0					2.0	12.0	7.0					1.5	2.5	
26-27			11.5		10.0					2.5					10.0	1.5				6.0		5.5	
27-28													2.5		8.5	5.0		0.5	2.0	1.0		8.0	
28-29		11.5			9.5					2.0					7.0						5.5		
29-30					12.0				7.0			4.0			5.0	3.0					0.5		
30-31			11.0			12.5	1.5		3.5	1.5		7.5	4.0	5.0	3.5	6.5				5.5		3.0	12.0

	V505 SGR	1968 SGR	RS SER	AO SER	CC SER	CC SER	Y SEX	RW TAU	RZ TAU	TY TAU	WY TAU	AC TAU	AM TAU	AQ TAU	CT TAU	EQ TAU	EQ TAU	HU TAU	V TRI	X TRI	RS TRI	RV TRI	W UMA
MAX	6.4	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
MIN	7.6	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
DUR	5	4	4	4	4	4	3	4	3	2	4	6	5	5	5	3	3	6	4	4	4	4	3
TOT								1															
						(S)											(S)						
0- 1			12.0	4.0		8.5	4.0			2.5						5.5	1.5		1.0				3.5
1- 2	10.0					9.5	10.5		4.0	4.5	2.0	2.0	2.5	4.0	8.0		2.0					0.5	3.5
2- 3		10.0			4.0	10.0	6.5			6.0							3.0						3.5
3- 4			11.5		5.0	11.0	2.5		6.0		4.0	3.0	3.5		8.0		3.5						3.5
4- 5					5.5	11.5	9.0		2.0								4.0		3.5			1.0	3.5
5- 6				10.5	6.5	12.5	5.0				6.0	4.0	4.5		8.0		4.5						3.5
6- 7		9.0	11.5	8.0	7.0		1.0	6.5	3.5					1.0		1.0	5.0						3.5
7- 8		12.0		5.0	8.0		7.5				7.5	5.0	5.5	6.0	8.0	1.5	5.5		1.5			1.5	3.5
8- 9					8.5		3.5		5.5							2.0							3.5
9-10			11.0		9.5		10.0	1.0	1.5				6.5		8.0	2.5							3.5
10-11					10.0	4.0	6.0				2.0					3.5					4.0	2.0	3.5
11-12		10.5			11.0	5.0	2.0		3.5						8.0	4.0			4.0				3.5
12-13			11.0	11.5	11.5	5.5	8.5				4.0			3.0		4.5					2.0		4.0
13-14				8.5	12.5	6.5	4.5		5.5	1.0					8.0	5.0	1.0					2.0	4.0
14-15	10.5			5.5		7.0	0.5		1.0	2.5	6.0					5.5	1.5	0.5	2.0				4.0
15-16		9.0	10.5			8.0	7.0			4.5					8.0		2.0						4.0
16-17		12.0				8.5	3.0		3.0		8.0						2.5	2.0				2.5	4.0
17-18						9.5	9.0				0.5				8.0		3.0						4.0
18-19			10.5		4.0	10.0	5.5		5.0					5.0			4.0	3.5					4.0
19-20				12.5	4.5	11.0	1.5		1.0		2.5				8.0		4.5					3.0	4.0
20-21		11.0		9.5	5.5	11.5	8.0	3.0								1.0	5.0	4.5					4.0
21-22			10.0	6.5	6.5	12.5	4.0		3.0		4.0				8.0	1.5	5.5		2.5				4.0
22-23					7.0		10.0									2.0		6.0				3.0	4.0
23-24					8.0		6.5		4.5		6.0			1.5	8.0	2.5							4.0
24-25		9.5	10.0		8.5		2.5		0.5					6.5		3.0			1.0				4.0
25-26		12.5			9.5		8.5				8.0				8.0	3.5						3.5	4.0
26-27					10.0	4.0	5.0		2.5		0.5					4.5							4.0
27-28	11.0		10.0	10.5	11.0	4.5	1.0			1.0					8.0	5.0	1.0			4.0			4.0
28-29				7.5	11.5	5.5	7.0		4.5	3.0	2.5					5.5	1.5		3.0	3.5		4.0	4.0
29-30		11.0		4.5	12.5	6.0	3.5			4.5				3.5	8.0		2.0			2.5			4.0
30-31			9.5			7.0	9.5		6.5		4.5						2.5			2.0			4.0

	W	TX	TY	TY	UX	UX	VV	XZ	ZZ	AF	W	RU	VV	AG	AH	AH	AK	AW	AW	AX	AZ	AZ	BH
	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMI	UMI	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR
MAX	9.1	6.8	11.7	11.7	12.7	12.7	10.1	10.1	9.8	10.8	8.6	10.7	11.7	8.8	9.7	9.7	10.0	10.8	10.8	10.0	11.0	11.0	9.9
MIN	9.9	8.9	12.4	12.4	13.8	13.8	11.0	11.7	11.2	11.6	9.7	11.4	13.5	9.4	10.2	10.2	11.5	11.9	11.9	10.8	11.8	11.8	11.3
DUR	3	6	3	3	1	1	3	3	4	8	7	4	4	4	4	4	4	3	3	4	3	3	4
TOT																							
	(S)			(S)												(S)			(S)			(S)	
0- 1	7.5	8.0	9.0	4.5	8.0	3.5	7.0					4.5	6.5		2.5	7.5		3.5	7.5	9.5	8.0	4.0	
1- 2	7.5		2.0	6.0	3.0	7.5		3.0	11.5			6.0	4.0	4.0	8.0	3.0		5.0	9.0	2.0	9.5	5.0	10.0
2- 3	7.5		3.5	7.5	7.5	2.5	8.5	8.0			11.0	7.0	12.0	11.0	3.5	8.5		6.5	10.5	12.0	10.5	6.5	6.0
3- 4	7.5	9.5	5.0	0.5	2.0	7.0	1.0			6.5		8.0	9.5	2.5	9.0	4.0	6.5	8.0	3.5	4.5	3.5	7.5	
4- 5	7.5		6.5	2.0	6.5	2.0	10.0				4.0	9.5	7.0	9.5	4.5	9.5	11.0	9.5	5.0		4.5	8.5	
5- 6	7.5		8.0	3.5	1.5	6.0	2.5					10.5	4.0	0.5	10.0	5.0		2.5	6.5	7.5	5.5	10.0	12.0
6- 7	7.5	11.0	1.0	5.5	5.5	1.0	11.5		2.0			12.0	12.5	7.5	5.5	0.5		4.0	8.0		7.0	2.5	8.0
7- 8	7.5		2.5	7.0	0.5	5.5	4.0	5.5				0.5	9.5		1.0	6.0		5.5	9.5	10.0	8.0	4.0	3.5
8- 9	7.5		4.0	8.5	5.0	9.5		11.0	9.0			1.5	7.0	6.0	6.5	1.5		7.0	2.5	2.5	9.0	5.0	
9-10	7.5	12.5	5.5	1.5	9.0	4.5	5.5				6.0	3.0	4.5		2.0	7.0	5.5	8.5	4.0	12.5	10.5	6.0	
10-11	7.5		7.0	3.0	4.0	9.0						4.0		4.0	7.5	2.5	10.0	10.0	5.5	5.5	3.0	7.5	10.0
11-12	8.0		8.5	4.5	8.5	3.5	7.0					5.0	10.0	11.0	3.0	7.5		3.0	7.0		4.5	8.5	5.5
12-13	8.0		1.5	6.0	3.5	8.0		3.0				6.5	7.5	2.5	8.0	3.5		4.5	8.5	8.0	5.5	9.5	
13-14	8.0		3.0	7.5	7.5	3.0	8.5	8.0				7.5	5.0	9.0	3.5	8.5		6.0	10.0		6.5	2.5	
14-15	8.0		4.5	0.5	2.5	7.0	1.0				8.5	9.0		0.5	9.0	4.0		7.5	3.0	10.5	8.0	3.5	12.0
15-16	8.0		6.0	2.0	7.0	2.0	10.0		6.5			10.0	10.5	7.5	4.5	9.5	4.5	8.5	4.5	3.5	9.0	5.0	7.5
16-17	8.0		8.0	3.5	1.5	6.5	2.5				1.5	11.0	8.0		10.0	5.0	9.5	10.0	6.0		10.0	6.0	3.0
17-18	8.0		1.0	5.0	6.0	1.5	11.5					12.5	5.5	6.0	5.5	0.5		3.0	7.5	6.0	3.0	7.0	
18-19	8.0		2.5	6.5	1.0	5.5	4.0	5.5				1.0			1.0	6.0		4.5	9.0		4.0	8.5	
19-20	8.0		4.0	8.0	5.0	0.5		11.0		1.0	11.0	2.0	11.0	4.0	6.5	1.5		6.0	10.5	8.5	5.5	9.5	9.5
20-21	8.0		5.5	1.0	9.5	5.0	5.5					3.5	8.0	11.0	2.0	7.0		7.5	3.5		6.5	10.5	5.0
21-22	8.0		7.0	2.5	4.5	9.0					4.0	4.5	5.5	2.5	7.5	2.5		9.0	5.0	11.0	7.5	3.5	
22-23	8.0		8.5	4.0	8.5	4.0	7.0		4.0			6.0		9.0	3.0	8.0	8.5	10.5	6.5	4.0	9.0	4.5	
23-24	8.0		1.5	5.5	3.5	8.5		3.0				7.0	11.0	0.5	8.0	3.5		3.5	8.0		10.0	6.0	11.5
24-25	8.0		3.0	7.0	8.0	3.0	8.5	8.0	11.5	7.0		8.0	8.5	7.5	4.0	8.5		5.0	9.5	6.5	3.0	7.0	7.0
25-26	8.0		4.5	9.0	3.0	7.5	1.0					9.5	6.0		9.0	4.5		6.5	2.5		4.0	8.0	
26-27	8.0		6.0	2.0	7.0	2.5	10.0				6.5	10.5		5.5	4.5	9.5		8.0	4.0	9.0	5.0	9.5	
27-28	8.0		7.5	3.5	2.0	7.0	2.5					11.5	11.5	12.5	10.0	5.0		9.5	5.5		6.5	10.5	
28-29	8.0		0.5	5.0	6.5	1.5	11.5						9.0	4.0	5.5	0.5	8.0	2.5	7.0	11.5	7.5	3.5	9.0
29-30	8.0		2.0	6.5	1.0	6.0	4.0	5.5	2.0			1.5	6.5	11.0	1.0	6.0	12.5	4.0	8.5	4.5	8.5	4.5	4.5
30-31	8.0		3.5	8.0	5.5	1.0		11.0				2.5	4.0	2.0	6.5	1.5		5.5	10.0		10.0	5.5	

	MS VIR	MS VIR	NY VIR	Z VUL	AW VUL	AY VUL	BE VUL	BO VUL	BS VUL	BT VUL	BU VUL	CD VUL	ER VUL
MAX	9.4	9.4	13.3	7.4	10.8	11.0	9.9	10.4	11.0	11.8	10.6	11.5	7.3
MIN	9.7	9.7	14.2	9.2	11.9	12.9	11.4	13.3	11.5	12.5	11.4	12.6	7.5
DUR	3	3	1	6	5	4	5	4	3	3	3	4	4
TOT		(S)											
0- 1	8.5	5.0	3.5	11.5	12.5				7.5				
1- 2	7.0	11.0	4.0							8.0		9.5	
2- 3	5.5	9.5	4.0							11.5	9.5		
3- 4	4.0	8.0	4.5									11.0	9.0
4- 5	10.0	6.5	4.5										
5- 6	8.5	5.0	5.0	9.5	8.5							12.0	11.5
6- 7	7.0	11.0	2.5						12.0		9.0		
7- 8	5.5	9.5	3.0			11.5			11.0		12.0		
8- 9	4.0	8.0	3.0				8.0		9.5				
9-10	10.0	6.5	3.5		9.5				8.5	8.0			
10-11	8.5	5.0	3.5	7.0					7.5	11.0	8.5		8.5
11-12	7.0	11.0	4.0				10.5				12.0		
12-13	5.5	9.5	4.0									8.0	11.0
13-14	4.0	8.0	4.5		10.0								
14-15	10.0	6.5	4.5								8.0	9.5	
15-16	8.5	5.0	5.0								11.5		
16-17	7.0	11.0	2.5						12.0			10.5	
17-18	5.5	9.5	3.0		11.0				10.5				8.5
18-19	4.0	8.0	3.0						9.5	11.0		12.0	
19-20	10.0	6.5	3.5						8.5		11.0		10.5
20-21	8.5	5.0	3.5										
21-22	7.0	11.0	4.0		12.0			12.5					
22-23	5.5	9.5	4.0										
23-24	4.0	8.0	4.5					11.0			10.5		
24-25	10.0	6.5	4.5			9.0							
25-26	8.5	5.0	5.0		12.5		10.0	10.0				8.0	
26-27	7.0	10.5	2.5						11.5	10.5			10.0
27-28	5.5	9.0	3.0	11.5				8.5	10.5		10.0	9.0	
28-29	4.0	7.5	3.0				12.5		9.5				12.5
29-30	10.0	6.0	3.5						8.5			10.5	
30-31	8.5	4.5	3.5		8.5								