

MAS Eclipsing Binary Ephemeris for February 2017

all times in U.T.

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	RT	TW	UU	WZ	XZ	AB	AB	AD	BD	BX	DS	QX	QX	CX	CZ	XZ	KO	KP	OO	OO	V342	V343	V346
	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AQR	AQR	AQL	AQL	AQL	AQL	AQL	AQL	AQL	AQL
MAX	9.3	8.8	11.2	11.6	10.0	9.3	9.3	11.1	11.3	8.6	10.8	11.3	11.3	10.7	10.3	9.3	8.3	9.7	9.2	9.2	9.0	10.6	9.0
MIN	10.2	11.0	14.1	12.6	13.0	10.2	10.2	11.6	11.7	9.5	11.4	11.6	11.6	12.0	11.2	11.2	9.3	10.5	10.1	10.1	12.5	12.3	10.4
DUR	3	11	8	4	3	3	3	4	3	4	4	3	3	3	3	7	5	4	3	3	7	4	4
TOT		2																				3	
						(S)	(S)					(S)							(S)				
0- 1	9.0		4.0		7.5	2.0		11.5		5.0	5.0	5.0	0.5				10.5						
1- 2				2.0		2.0		11.5	5.5		5.0	1.0	6.0										10.5
2- 3	6.0					1.5		11.0	4.0	1.0	5.5	6.5	1.5										
3- 4	12.5		3.0	4.0	0.5	1.5		10.5	2.0	6.5	5.5	2.5											
4- 5	3.5					1.5		10.5	0.5		6.0		3.0	1.0									
5- 6	9.5					1.5			9.5	2.5	6.0	4.0							10.0			12.5	
6- 7	0.5		2.5			1.0				7.5	6.5		4.5						10.5	10.5			
7- 8	7.0				2.5	1.0			6.0		6.5	5.5	0.5										
8- 9				1.0		1.0	13.0		4.5	3.5	7.0	1.0	6.0										
9-10	4.0		2.0			1.0	13.0		2.5		7.0	7.0	2.0	1.0									
10-11	10.5			3.0		1.0	13.0		1.0			2.5											
11-12	1.5				4.0	0.5	12.5		10.0	5.0			3.5										
12-13	7.5		1.0	5.0		0.5	12.5					4.0		0.5			10.0						12.0
13-14						0.5	12.5		6.5	0.5			5.0										
14-15	5.0	2.0				0.5	12.5		5.0	6.0		5.5	0.5	1.0									
15-16	11.0		0.5		6.0	0.5	4.5		3.0			1.5	6.5										
16-17	2.0					0.0	4.0	6.5	1.0	2.0		7.0	2.0		13.0								
17-18	8.5			2.0		0.0	4.0	6.0	10.5	7.0		3.0											
18-19						4.0	5.5	9.0					3.5									10.0	
19-20	5.5			4.0	7.5		4.0	5.5		3.0		4.5		1.0									
20-21	12.0					4.0	5.0	5.0				0.0	5.0				12.0						
21-22	3.0					3.5	4.5	3.5				5.5	1.0										
22-23	9.0				0.5	3.5	4.5	1.5	4.5			1.5	6.5				12.5						11.0
23-24	0.0					3.5	4.0	11.0					2.0										
24-25	6.5			1.0		3.5	3.5	9.0	0.5			3.0							10.5				
25-26	12.5					3.0	3.5			5.5			3.5						10.5				
26-27	3.5			3.0	2.5	3.0	3.0	5.5				4.5							11.0				
27-28	10.0					3.0	3.0	4.0	1.5			0.0	5.0						11.5				

	RX	SS	SS	RY	SX	TT	WW	WW	AP	AP	AR	AR	CL	EM	EP	HP	HP	IM	V459	V459	SS	SS	SS
	ARI	ARI	ARI	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	BOO	BOO	BOO
MAX	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	7.7	7.7	10.3	10.3	10.3
MIN	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	8.1	8.1	11.0	11.0	11.0
DUR	4	3	3	6	4	5	5	5	4	4	5	5	4	4	3	3	3	4	4	4	18	18	18
TOT																					6	6	6
			(S)				(S)		(S)		(S)					(S)		(S)		(S)	(2)		(3)
0- 1		6.0	1.0			8.5			10.0	3.5	0.0				9.5	2.5						3.0	
1- 2		1.5					4.5			6.5								5.5				4.5	
2- 3	0.5		1.5					10.5	3.0	10.0		2.0	1.0		4.0		5.5	11.5				6.0	
3- 4	1.5	2.0				0.5			6.5				7.0		8.5							7.5	
4- 5	2.0		2.5	6.0	2.0	8.5			10.0	3.0	3.5					8.5						9.0	
5- 6	2.5	3.0			7.5					6.5				8.0	3.0		2.0					10.5	
6- 7	3.5		3.0				5.5		3.0	9.5		5.0			7.5			5.0					
7- 8	4.0	3.5				0.5			6.0				0.5	3.5		5.0		11.0		0.5			
8- 9	5.0		4.0			8.5			9.5	2.5	6.5		6.5		2.0							2.0	
9-10	5.5	4.0							6.0						6.0		8.0				7.0	10.0	
10-11			4.5		3.5			0.5	2.5	9.5		8.0			10.5	1.5						5.0	
11-12		5.0	0.0		8.5	0.5	6.5		6.0						1.0			5.0	6.5				
12-13		0.5	5.5	10.5		8.5			9.0	2.5	10.0				5.0		4.5	11.0	8.0				
13-14		5.5	1.0							5.5			6.0		9.5							9.5	
14-15		1.0	6.0						2.0	9.0						7.5			11.0				
15-16			1.5	3.5		0.5		1.5	5.5	12.5					4.0		1.0						
16-17		2.0			4.5	8.5	8.0		9.0	2.0				6.5	8.5			4.5		1.5			
17-18			2.0		9.5				12.0	5.5						4.0		10.5		3.0			3.5
18-19		2.5							2.0	8.5			5.0	2.0	3.0						4.5		
19-20			3.0			0.5			5.0	12.0					7.5		7.0				6.0		
20-21		3.5				8.5		3.0	8.5	1.5						0.5						7.5	
21-22			3.5		1.0		9.0		12.0	5.0					2.0			4.5				9.0	
22-23		4.0			6.0				1.5	8.5					6.5		3.5	10.5				10.5	
23-24			4.5	8.0		0.5			5.0	11.5			4.5		10.5								
24-25		4.5				8.0			8.0	1.5					1.0	7.0			0.5		12.5		
25-26		0.0	5.0					4.0	11.5	4.5				9.0	5.0							2.0	
26-27		5.5	0.5	1.5			10.5		1.0	8.0					9.5		10.0	4.0			3.5		
27-28		1.0	6.0		2.0	0.0			4.5	11.5					4.5	3.0		10.0	5.0				

	TU	TU	TY	TY	TZ	TZ	UW	VW	VW	ZZ	AD	AD	BW	BW	Y	SV	AL	AN	CD	CD	R	RT	SX
	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CAM	CAM	CAM	CAM	CAM	CAM	CMA	CMA	CMA
MAX	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	9.7	11.6	11.6	6.2	11.4	10.3
MIN	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	10.2	11.8	11.8	6.8	12.9	11.4
DUR	3	3	3	3	3	3	3	3	3	5	4	4	5	5	6	3	5	8	5	5	4	5	4
TOT																							
		(S)		(S)		(S)			(S)	(S)		(S)		(S)				(S)		(S)			
0- 1	4.0	7.5	6.5	10.5	3.5	7.0	8.0	8.5	4.5							1.5			4.0		2.0		
1- 2	3.0	7.0	5.5	9.5	8.0	4.5	8.0	9.0	5.0	5.0			9.5			6.0	5.5			7.5	5.5	1.5	8.5
2- 3	10.5	6.5	4.5	8.0	5.5	9.0	8.0	10.0	5.5							10.5			11.0	2.0	8.5		
3- 4	9.5	6.0	11.0	7.0	10.0	6.5	8.5	10.5	6.5							1.0			5.5				
4- 5	9.0	5.0	9.5	6.0	7.0	3.5	8.5	11.0	7.0							5.5				9.0			
5- 6	8.5	4.5	8.5	4.5	4.5	8.0	8.5	11.5	7.5							9.5	5.0	0.0	12.5	3.5			
6- 7	7.5	4.0	7.5	3.5	9.0	5.5	8.5	12.5	8.5	4.5							13.0		7.0			5.5	5.5
7- 8	7.0	3.0	6.0	10.0	6.5	10.0	9.0	5.0	9.0							4.5			1.0	10.5			
8- 9	6.5	10.5	5.0	9.0	4.0	7.5	9.0	5.5	9.5							9.0				4.5	1.0		
9-10	5.5	9.5	4.0	7.5	8.5	5.0	9.0	6.0	10.0				10.0	5.5			4.5		8.0		4.5		
10-11	5.0	9.0	10.5	6.5	6.0	9.5	9.0	6.5	11.0							3.5	12.5		2.5	11.5	7.5	2.5	
11-12	4.5	8.5	9.0	5.5	3.5	7.0	9.0	7.5	11.5	4.5			9.5			8.0				6.0			2.5
12-13	4.0	7.5	8.0	4.0	8.0	4.0	9.5	8.0	12.0		4.0				13.0	12.5			9.5	0.5			
13-14	3.0	7.0	7.0	10.5	5.0	9.0	9.5	8.5	4.5							3.0	4.0		4.0				
14-15	10.5	6.5	5.5	9.5	9.5	6.0	9.5	9.5	5.0		6.0					7.0	12.0			7.5			8.5
15-16	9.5	5.5	4.5	8.5	7.0	3.5	9.5	10.0	6.0							11.5			11.0	2.0		7.0	
16-17	9.0	5.0	11.0	7.0	4.5	8.0	10.0	10.5	6.5	4.0	7.5					2.0			5.5				
17-18	8.5	4.5	9.5	6.0	9.0	5.5	10.0	11.5	7.0				8.5			6.5	4.0			9.0	3.0		
18-19	7.5	4.0	8.5	5.0	6.5	10.0	10.0	12.0	8.0		9.0					11.0	12.0		12.5	3.0	6.5		
19-20	7.0	3.0	7.5	3.5	4.0	7.5	10.0	4.5	8.5			10.0		10.0	3.5	1.0			6.5			4.0	5.5
20-21	6.5	10.0	6.0	10.0	8.5	5.0	10.5	5.0	9.0		11.0					5.5			1.0	10.0			
21-22	5.5	9.5	5.0	9.0	5.5	9.5	10.5	5.5	9.5	4.0		11.5	9.5			10.0	3.5			4.5			
22-23	5.0	9.0	4.0	7.5	3.0	6.5	10.5	6.5	10.5		12.5				11.0	0.5	11.5		8.0				
23-24	4.5	8.5	10.5	6.5	7.5	4.0	10.5	7.0	11.0							4.5			2.5	11.5		1.0	
24-25	4.0	7.5	9.0	5.5	5.0	8.5	10.5	7.5	11.5							9.0				6.0			2.5
25-26	3.0	7.0	8.0	4.0	9.5	6.0	11.0	8.0	12.5								3.0		9.5	0.0	2.0		
26-27	10.0	6.5	7.0	10.5	7.0	3.5	11.0	9.0	5.0	4.0						4.0	11.0	0.0	3.5	13.0	5.0		
27-28	9.5	5.5	5.5	9.5	4.5	8.0	11.0	9.5	5.5							8.5				7.0	8.5		8.5

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	TU	TZ	TZ	UU	XZ	YY	AC	AK	AM	TY	RZ	TV	TW	ZZ	AB	CW	CW	DZ	GT	IR	IS	IT	MM
	CMA	CMA	CMA	CMA	CMI	CMI	CMI	CMI	CMI	CAP	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
MAX	9.7	9.8	9.8	10.0	9.7	8.5	11.0	10.1	10.0	10.5	6.4	7.3	8.3	10.7	10.2	11.8	11.8	11.6	11.9	10.8	11.6	11.0	11.3
MIN	10.7	10.5	10.5	12.5	10.2	9.1	11.5	11.5	10.7	11.6	7.8	8.4	8.9	11.1	12.2	12.5	12.5	12.3	12.8	12.1	12.6	11.8	11.9
DUR	4	4	4	5	3	4	3	4	5	4	4	4	5	4	4	3	3	4	5	4	5	5	5
TOT																							

	(S)											(S)											
0- 1	4.0			5.5	6.0		3.5	1.5			11.5		4.0	6.5	6.0	5.5	2.0			4.0	4.5		1.5
1- 2	7.0				9.5		0.0	4.5						12.5		4.5	1.0	10.5	7.5	13.0			5.0
2- 3								7.5								3.5	7.5	5.5		5.0	0.5		9.0
3- 4					3.5				0.5				0.5			2.5	6.5	0.5				1.5	13.0
4- 5					7.0			0.5	0.5		1.5		11.0	0.0	8.5	1.5	5.5		7.5	6.5			
5- 6							8.0	3.5	1.0		6.5	9.0		6.0		0.5	4.5	9.0					
6- 7					1.0		5.0	7.0	1.5		11.0			11.5		7.0	3.0	3.5		7.5			
7- 8					4.5	1.0	2.0	10.0	2.0			4.5	7.5			2.0	6.0	2.0		7.0			0.0
8- 9	1.5	7.0			8.5	3.0			2.5						11.0	5.0	1.0	12.0		8.5			4.0
9-10	4.5					5.5		2.5	3.0							4.0	0.0	7.0		0.5	9.5		8.0
10-11	7.5		6.0		2.0	7.5		6.0	3.5		1.0		4.0	5.0		3.0	6.5	2.0	7.0	9.5			11.5
11-12				1.5	6.0	10.0	10.0	9.0	4.0		5.5			11.0	4.5	2.0	5.5			1.5	5.5		
12-13		3.0			9.5		6.5		4.5		10.5					1.0	4.5	10.5		10.5			
13-14				5.5			3.5	1.5	5.0				0.5			7.5	3.5	5.0	6.5	2.5	1.5		
14-15			2.0		3.5		0.5	5.0	5.5		10.5	10.5				6.5	2.5	0.0		11.5			
15-16					7.0			8.0	6.0	12.5				4.5	7.0	5.5	1.5			3.5			3.0
16-17									6.5		0.5	6.0		10.5		4.5	0.5	8.5	6.5	12.5			6.5
17-18	2.0				1.0			1.0	6.5		5.0		7.5			3.5	7.0	3.5		4.5			10.5
18-19	5.0				4.5		8.5	4.0	7.0		10.0	1.5			0.5	2.0	6.0						
19-20					8.5	1.5	5.0	7.0	7.5						9.0	1.0	5.0	12.0	6.0	5.5			
20-21						4.0	2.0	10.5	8.0				4.0	4.0		0.0	4.0	6.5				10.5	
21-22					2.0	6.0			8.5					10.0		6.5	3.0	1.5			6.5		
22-23					6.0	8.5		3.0	9.0						3.0	5.5	2.0		6.0		6.5		1.5
23-24					9.5	10.5		6.0	9.5		4.5	12.0	0.5		11.5	4.5	1.0	10.0		7.5		6.5	5.5
24-25			1.5				10.0	9.5	10.0		9.5		10.5			3.5	7.5	5.0		0.0	3.0		9.5
25-26				1.5	3.5		7.0		10.5	12.0		7.5		3.5		2.5	6.5		5.5		8.5		
26-27	2.5			5.5	7.0		3.5	2.0						9.0	5.5	1.5	5.5			1.0		10.5	
27-28	5.5						0.5	5.5				3.0	7.0			0.5	4.5	8.5		9.5			

	OR	OX	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	11.4	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	10.8	10.4
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	11.3	11.2
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)										
0- 1						2.5		4.0					2.0	7.0		5.5	10.5	8.0	0.5		9.0		
1- 2								12.5					8.0	3.0		5.0		12.0	3.0		7.5		2.5
2- 3			4.5				9.5			11.5	1.0	4.0	9.0			4.5	1.5		5.0		6.0		1.5
3- 4	3.0	10.5				4.5				9.0		0.0	5.0	2.5		4.5			7.0		4.5		0.0
4- 5	8.5			8.0				5.5	9.0	6.5		6.0	1.0			4.0			9.5	8.5	3.0		
5- 6					12.0		8.0			4.5		2.0	7.0	10.5		3.5	8.0		11.5				
6- 7				2.0		6.5				2.0		8.0	3.0		1.5	3.5		3.5	0.5				
7- 8			4.0		1.0							4.0	9.0			3.0		7.5	2.5			3.5	3.0
8- 9	2.5	10.0					7.0	7.0				0.5	5.5		4.5	2.5		11.5	5.0			3.0	2.0
9-10	8.5								8.5			6.5	1.5			2.5			7.0			2.5	0.5
10-11					3.0							2.5	7.5	3.0	8.0	2.0	5.0		9.0			1.5	
11-12				8.0			5.5	0.5		11.5	5.5	8.5	3.5			1.5			11.0			1.0	
12-13			3.5					9.0		9.5		4.5	9.5	11.0	11.5	1.5			0.5			0.5	
13-14	2.0	9.5		2.0	5.0					7.0		0.5	5.5			1.0	11.5	3.0	2.5	5.0	11.5		
14-15	8.0						4.5		8.0	4.5		6.5	1.5			0.5		7.0	4.5		10.0		2.5
15-16						12.5		2.0		2.0		2.5	7.5			0.5	2.5	10.5	6.5		8.5		1.0
16-17					7.0			10.5				8.5	3.5			0.0			9.0		7.0		
17-18			3.0			1.5	3.0					4.5	9.5	3.0					11.0		5.5		
18-19	1.5	9.0		8.0								0.5	5.5				9.0		0.0		4.0		
19-20	7.5							4.0	8.0			6.5	1.5	11.5					2.0		2.5		
20-21				2.0		3.5	2.0	12.5		12.0	10.5	3.0	8.0				0.0	2.5	4.5		1.0		3.0
21-22										9.5		9.0	4.0		1.0			6.0	6.5				1.5
22-23			2.5		11.0					7.5		5.0	10.0					10.0	8.5	1.5			0.5
23-24	1.0	8.5				6.0	0.5	5.5		5.0		1.0	6.0		4.5		6.5		11.0				
24-25	7.0				0.5		12.0		7.5	2.5		7.0	2.0	3.5					13.0			4.0	
25-26	13.0			8.0						0.0	1.0	3.0	8.0		8.0				2.0			3.0	
26-27						8.0						9.0	4.0	11.5			12.5		4.0	11.5		2.5	3.5
27-28			2.0	2.0	2.5		10.5	7.5				5.0	0.0		11.5			1.5	6.5		12.5	2.0	2.0

	TW	TX	RW	RW	RZ	RZ	SS	SS	CC	CC	U	RW	TW	W	W	RV	RV	V	Y	SW	WW	ZZ	AE
	CET	CET	COM	COM	COM	COM	COM	COM	COM	COM	CRB	CRB	CRB	CRV	CRV	CRV	CRV	CRT	CYG	CYG	CYG	CYG	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)		(S)				
0- 1			3.0	6.0	7.5	3.5	5.0	9.5	3.5	6.0			8.5	9.5	5.0		12.5	4.0	10.0				
1- 2			2.0	5.0	8.0	3.5	10.5	5.5	6.0	3.0		7.5	12.5	4.5	9.0		6.5		1.0		11.5	1.5	
2- 3		2.0	6.5	3.5	8.0	4.0	6.5	11.0	3.0	5.5	9.0			8.5	3.5	10.0		6.5			2.5	0.5	
3- 4			5.0	2.5	8.5	4.5	12.0	7.0	5.5	3.0		11.5	7.0	12.0	7.5		12.5		10.0			8.5	
4- 5	3.0		4.0	7.0	9.0	5.0	8.0	3.0	2.5	5.5		5.0	11.5	7.0	11.5		6.0	9.0					
5- 6	1.5	1.0	3.0	5.5	9.5	5.0	3.5	8.5	5.0	2.5				11.0	6.0	9.5							
6- 7	0.5		7.5	4.5	9.5	5.5	9.5	4.5	2.5	5.0		9.5	5.5	5.5	10.0		12.0	11.5	10.0			12.0	
7- 8			6.0	3.0	10.0	6.0	5.0	10.0	5.0	2.0			10.0	9.5	4.5		6.0	4.5			12.0		
8- 9		0.5	5.0	2.0	2.0	6.5	11.0	6.0	2.0	4.5				4.0	8.5	9.5						9.0	
9-10			3.5	6.5	2.5	6.5	6.5	11.5	4.5	2.0	6.5	7.0		8.0	12.5		12.0	7.0	10.0			0.5	
10-11	3.5		2.5	5.0	3.0	7.0	2.5	7.5	1.5	4.5			8.5	12.0	7.0		5.5						
11-12	2.0		7.0	4.0	3.5	7.5	8.5	3.5	4.0	7.0		11.5	13.0	6.5	11.0	9.0		9.5				12.5	
12-13	1.0		5.5	3.0	3.5	8.0	4.0	9.0	6.5	4.0		5.0		10.5	6.0		11.5		9.5				
13-14			4.5	7.5	4.0	8.0	10.0	5.0	4.0	6.5			7.5	5.0	10.0		5.5	12.0				10.0	
14-15			3.0	6.0	4.5	8.5	5.5	10.5	6.5	3.5		9.0	11.5	9.0	4.5	8.5		5.0				1.0	
15-16			2.0	5.0	5.0	9.0	11.5	6.5	3.5	6.0				3.5	8.5		11.0		9.5				
16-17		4.0	6.5	3.5	5.0	9.5	7.0	12.0	6.0	3.5	4.5		6.0	7.5	12.5		5.0	7.5					
17-18	2.5		5.5	2.5	5.5	9.5	3.0	8.0	3.0	6.0		7.0	10.0	11.5	7.0	8.5				11.0		12.5	
18-19	1.5		4.0	7.0	6.0	10.0	8.5	3.5	5.5	3.0				6.0	11.0		11.0	10.0	9.5			10.5	12.0
19-20	0.0	3.0	3.0	5.5	6.5	2.5	4.5	9.5	3.0	5.5	11.0		10.0	5.5			5.0			8.0		1.5	11.0
20-21			7.5	4.5	6.5	2.5	10.0	5.5	5.5	2.5		4.5	9.0	4.5	9.5	8.0		12.5				8.0	10.5
21-22			6.0	3.5	7.0	3.0	6.0	11.0	2.5	5.0				8.5	4.0		10.5	5.5	9.5				
22-23		2.0	5.0	2.0	7.5	3.5	12.0	7.0	5.0	2.5		9.0		12.5	8.0		4.5						
23-24	3.0		3.5	6.5	8.0	4.0	7.5	2.5	2.0	5.0			7.5	7.5	12.0	8.0		8.0				11.5	
24-25	2.0		2.5	5.5	8.0	4.0	3.5	8.5	4.5	2.0			12.0	11.0	6.5		10.5		9.5			2.5	
25-26	0.5	1.0	7.0	4.0	8.5	4.5	9.0	4.0	2.0	4.5		6.5		6.0	10.5			10.5				8.5	
26-27			6.0	3.0	9.0	5.0	5.0	10.0	4.5	1.5	13.0		6.0	10.0	5.0	7.5		3.5					
27-28			4.5	7.5	9.5	5.5	10.5	5.5	7.0	4.0		11.0	10.5	4.5	9.0		10.0		9.5		9.5		

	UZ	AI	BH	TZ	YY	YY	RW	SX	TX	WW	AF	AL	RX	SZ	TT	TU	UX	CC	CT	DI	DI	HS	HS
	DRA	DRA	DRA	ERI	ERI	ERI	GEM	GEM	GEM	GEM	GEM	GEM	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER	HER
MAX	9.9	7.2	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	8.4	8.4	8.5	8.5
MIN	10.7	8.2	8.6	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	9.1	9.1	9.0	9.0
DUR	5	4	5	4	3	3	5	5	6	4	4	4	5	4	4	5	5	4	4	6	6	4	4
TOT				1			1									1							
	(S)					(S)															(S)	(S)	
0- 1					5.5	1.5			6.0						11.5								9.0
1- 2		0.5	10.5		4.5	1.0					9.0			10.0	9.5								
2- 3		5.5			4.0			3.5							7.5	10.0	8.0						
3- 4		10.5	6.0		3.0				1.5	2.5								12.0					
4- 5					2.0	6.0				8.0	5.5	3.5										10.5	
5- 6			2.0		1.5	5.0								12.5			10.5						
6- 7					0.5	4.5		6.0						8.0									
7- 8		0.5				3.5							11.0						9.0				
8- 9	3.0	5.5				2.5				1.0		8.0					12.5						
9-10		10.0			5.5	1.5				7.0	5.0										8.5		8.5
10-11			12.5	2.5	4.5	1.0		8.5						10.0	12.5		10.5						
11-12	9.5				4.0	0.0			11.0			2.5			10.5	11.5							
12-13			8.0		3.0		7.5								8.0								
13-14		0.5			2.0	6.0			2.0	0.0													11.5
14-15		5.0	4.0		1.5	5.0			6.0	5.5	4.0			12.5				12.5					
15-16		10.0			0.5	4.5	4.0				10.0	7.0		8.0									
16-17						3.5													7.5				
17-18						2.5		4.5	1.5									9.0		11.5			
18-19					5.5	2.0	1.0					1.5				6.5							9.5
19-20		0.5			5.0	1.0				4.5	3.5			10.0			9.0						
20-21		5.0			4.0	0.0					9.5												
21-22	4.5	10.0	10.5		3.0			7.0							11.0								
22-23					2.0	6.0						6.0			9.0		11.0						11.0
23-24			6.0	3.0	1.5	5.0							11.0	12.5	7.0			11.0					
24-25	10.5				0.5	4.5		0.5		3.5	3.0			8.0				7.5					
25-26		0.0	1.5			3.5		9.0	11.0	9.0	9.0	0.5											
26-27		5.0				2.5						10.0											
27-28		9.5			5.5	2.0										8.5							9.0

	LT	V728	WY	WY	AV	DF	DF	DI	DK	SW	SW	VX	AW	CM	CO	CO	DG	GX	Y	UU	UV	VZ	WZ	
	HER	HER	HYA	HYA	HYA	HYA	HYA	HYA	HYA	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LEO	LEO	LEO	LEO	LEO	
MAX	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	9.5	10.6	11.3	
MIN	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	10.2	11.7	12.0	
DUR	4	3	3	3	4	4	4	4	4	3	3	4	5	4	5	5	4	6	5	4	3	4	5	
TOT																								
				(S)			(S)				(S)						(S)							
0- 1	11.5	6.5	11.0	2.5	5.5	0.5	4.5		7.0	3.0						12.5	9.0	1.5		6.0	5.0			
1- 2		5.5	4.0			0.0	4.0	2.0	8.0	2.0			0.5	3.5		6.5					9.5		9.0	
2- 3				6.0	6.5	8.0	4.0	7.5	9.0	1.0	12.5		4.0		1.5									
3- 4			7.5			7.5	4.0		10.0	0.5	4.0		7.0						6.5			5.0		
4- 5		12.5	1.0	9.5	8.0	7.5	3.5	4.0	11.0		3.0		10.5			8.5					9.5	1.5	4.5	
5- 6		11.0		2.5	0.5	7.5	3.5	9.5			2.5				3.5					7.0		4.0		
6- 7		9.5	4.5		9.0	7.0	3.0			13.0	1.5							10.0				5.0	6.0	
7- 8		8.5		6.0	1.5	7.0	3.0	5.5	2.0	12.0	0.5	0.5				10.5					9.5	8.0		
8- 9		7.0	8.0		10.5	6.5	3.0		3.0	3.5		2.5			5.5				7.5			10.5	9.5	
9-10		5.5	1.0	9.5	2.5	6.5	2.5	2.0	4.0	2.5			0.5				5.0					5.0	12.5	
10-11				3.0	11.5	6.5	2.5	7.5	5.0	1.5			4.0			12.5				0.0	8.0	9.5		
11-12	7.5		4.5		4.0	6.0	2.0		6.0	0.5	12.0		7.0		7.5		10.0						5.5	
12-13	9.5	12.5		6.5		6.0	2.0	4.0	7.0		3.5		10.5			1.5					0.0	5.0		
13-14	11.5	11.5	8.5		5.0	6.0	2.0	9.5	8.0		2.5	11.5								9.0		9.5		
14-15		10.0	1.5	10.0		5.5	1.5		9.0		2.0					9.5							1.0	
15-16		8.5		3.0	6.5	5.5	1.5	5.5	10.0	12.5	1.0					3.5			1.5	9.0	5.0		10.5	
16-17		7.0	5.0			5.0	1.0	11.0	11.5	4.0	0.0											9.5	1.5	
17-18		6.0		7.0	7.5	5.0	1.0	2.0		3.0			0.5		11.5					1.0		3.5		
18-19			8.5			5.0	1.0	7.5		2.0			4.0			5.5	0.5		10.5			5.0	6.0	6.5
19-20			1.5	10.5	8.5	4.5	0.5		2.0	1.0	12.5		7.0		0.5			3.0				9.5	8.0	
20-21				3.5	1.0	4.5	0.5	3.5	3.0	0.0	4.0		10.5	9.5			5.5		3.0	10.0			10.0	
21-22		11.5	5.5		10.0	4.0	0.0	9.0	4.0		3.0					7.5						5.0	12.5	2.0
22-23		10.5		7.0	2.5	4.0	0.0		5.0		2.5	1.5		0.0	2.5		10.5			2.0	9.5		11.5	
23-24		9.0	9.0	0.0	11.0	4.0	8.0	5.5	6.0	13.0	1.5	3.5							12.0					
24-25	7.5	7.5	2.0	10.5	3.5	3.5	7.5	11.0	7.0	12.0	0.5					9.5						5.0		
25-26	9.5	6.0		4.0	12.5	3.5	7.5	1.5	8.0	3.5			0.5		4.5			11.5	4.5	10.5	9.5		7.5	
26-27	11.5		5.5		4.5	3.0	7.0	7.0	9.5	2.5			4.0											
27-28				7.5		3.0	7.0		10.5	1.5			7.0			11.5				3.0	5.0			

	XY	XZ	AM	T	RR	SS	DELT	RY	UZ	FL	RU	RU	RW	AT	BB	BO	EP	U	SX	V501	V508	V839	1010
	LEO	LEO	LEO	LMI	LEP	LIB	LIB	LYN	LYR	LYR	MON	MON	MON	MON	MON	MON	MON	OPH	OPH	OPH	OPH	OPH	OPH
MAX	9.5	10.6	9.2	10.2	10.2	10.4	4.8	11.9	9.8	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
MIN	9.9	11.2	9.8	12.6	10.9	11.3	5.9	13.3	11.0	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
DUR	2	3	3	6	4	6	7	4	5	4	5	5	5	5	4	5	5	5	5	4	3	3	4
TOT													1			1							
													(S)										
0- 1	5.0	1.5	1.5				9.5														13.0	13.0	
1- 2	1.5	0.5	4.0					9.5					5.5		7.5	7.5						8.5	9.5
2- 3	5.0	0.0	6.5	8.0	6.5					10.0					1.5								
3- 4	1.5	11.0	8.5		4.5								3.5				2.0					9.5	9.5
4- 5	4.5	10.5	2.0		2.5			6.5							6.0		5.5	8.5	9.0		8.0		
5- 6	1.0	10.0	4.5	8.5	0.5								1.0				9.0				9.0	10.5	9.0
6- 7	4.5	9.5	7.0			13.0								0.5					10.5		9.5		
7- 8	1.0	9.0	9.0				9.5	3.5							4.5						10.5	12.0	8.5
8- 9	4.0	8.5	2.5	9.0										1.0					12.0		11.0		
9-10	0.5	7.5	5.0			10.0			12.5						9.0			9.5			12.0	13.0	
10-11	4.0	7.0	7.5					0.5			2.0				2.0	2.5	5.0				13.0	8.5	
11-12	0.5	6.5	9.5	9.5				10.5	10.0				7.5										
12-13	3.5	6.0	3.5											2.5	7.5	10.5	6.5					9.5	
13-14	0.0	5.5	5.5		6.5					7.5					1.0								
14-15	3.5	4.5	8.0	10.0	4.5		9.0	7.5						3.0				10.0			8.0	10.5	
15-16	6.5	4.0	1.5		2.5					11.5						6.0						8.5	
16-17	3.0	3.5	4.0		0.5										4.0						12.5	9.5	11.5
17-18	6.5	3.0	6.0	10.5				4.5			6.0										12.0	10.5	
18-19	3.0	2.5	8.5										9.5	4.5	4.0		0.0				11.0	11.0	13.0
19-20	6.0	2.0	2.0			11.5										2.5	3.5	11.0			10.5	12.0	8.5
20-21	2.5	1.0	4.5	11.0				1.5					7.0	5.5	9.0		7.0				9.5	13.0	
21-22	6.0	0.5	7.0				8.5	12.0							2.5	8.0					9.0		9.5
22-23	2.5	0.0	9.0			8.5			0.5		1.5	5.0	6.0										
23-24	5.5	11.0	2.5	11.0											7.0							10.5	
24-25	2.0	10.5	5.0		6.0			8.5				2.5	6.5	1.0			11.5						
25-26	5.5	10.0	7.5		4.0																8.5	11.5	
26-27	1.5	9.5	9.5	11.5	2.0				13.0	9.0		0.5	7.5	5.5			1.0				9.5		13.0
27-28	5.0	9.0	3.0					5.5									4.5				10.5	13.0	

	GP	KW	KW	Z	RT	RV	ST	XZ	IQ	IQ	IT	IU	KW	V432	BETA	AE	AE	RV	UZ	UZ	AV	U	V505
	PEG	PEG	PEG	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PHE	PHE	PSC	PUP	PUP	PUP	SGE	SGR
MAX	10.2	12.1	12.1	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	11.3	9.7	9.7	10.2	6.4	6.4
MIN	11.0	12.4	12.4	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	10.6	10.3	10.8	9.1	7.6
DUR	4	3	3	6	4	8	5	4	5	5	4	5	4	3	8	2	2	3	4	4	3	6	5
TOT				2			1															2	
			(S)							(S)							(S)			(S)			
0- 1		2.0	11.5			0.5			2.0				11.0	8.5		1.5				1.5	7.0		
1- 2								0.0					9.0	3.0				1.5	6.0		10.0		
2- 3		12.5						4.0		0.0			7.5	6.5	1.0	1.5		4.0	1.0				
3- 4					6.5			7.5					6.0	1.0							6.0	2.0	
4- 5	3.0				3.0					8.5		6.5	4.0	4.5			1.5				1.0	4.5	
5- 6	2.5								7.5		1.5	3.0	2.5	8.5						5.5		7.5	
6- 7	2.0						6.0						2.5					1.0		1.0	0.5	10.0	
7- 8	1.5		0.5						1.5											3.5		5.0	
8- 9	1.0				9.0						3.5							1.0			0.5	2.0	
9-10	0.0	1.5	11.0		5.5			1.5														5.0	
10-11				1.0	2.0			5.5				6.5				1.0					9.5	7.5	9.0 12.0
11-12		12.0						9.0		8.0	5.0	3.0									0.5		4.5
12-13									7.0								0.5	3.0	9.0				
13-14				2.0						1.5			11.5	0.0						6.0	4.5		2.5
14-15					8.0		5.0		0.5		6.5		10.0	4.0		0.5						9.0	5.0
15-16					4.0								8.5	7.5								4.0	8.0
16-17				3.5	0.5													0.5	0.5	8.5			
17-18								3.0			8.0	3.0	5.0	5.5			2.5	3.0	3.5				
18-19		1.0						6.5		7.5			3.5			0.0					5.5		8.0 2.5
19-20				5.0				10.5	6.0					2.0	3.5	6.0	2.5					3.5	5.0
20-21		11.5			6.5					1.0				0.0	7.0			0.0		8.0		8.0	12.5
21-22					3.0				0.0								2.0		3.0				
22-23			12.5	6.5			3.5						6.5	5.0	3.0				2.5			7.5	
23-24													3.0	8.5		2.0			5.0		2.5	2.5	12.5
24-25								1.0						3.0						7.5		5.5	
25-26				7.5	9.0			4.5		6.5	0.0			6.5			2.0		2.5			8.0	
26-27					5.0			8.0	5.5					12.5	1.0							7.0	
27-28		0.5			1.5					0.5				11.0	4.5		1.5		2.0		2.0	0.0	

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

	TX	TY	TY	UX	UX	VV	XZ	ZZ	AF	W	RU	VV	AG	AH	AH	AK	AW	AW	AX	AZ	AZ	BH	MS
	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMI	UMI	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR
MAX	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	9.4
MIN	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	9.7
DUR	6	3	3	1	1	3	3	4	8	7	4	4	4	4	4	4	3	3	4	3	3	4	3
TOT																							

			(S)											(S)			(S)					(S)	
0- 1		2.0	6.5	6.0	1.0	11.5				7.5	1.5	9.0		2.5	7.5		4.5	8.5		12.5	8.0		8.5
1- 2		4.0	8.0	0.5	5.5	4.0					3.0	6.5	5.5	8.0	3.0		6.0	10.0	7.5	5.0	9.5		7.0
2- 3		5.5	1.0	5.0	0.5	13.0	4.0	1.5		0.5	4.0		12.0	3.5	8.5		7.5	11.5		6.5	10.5		13.0
3- 4		7.0	2.5	9.5	4.5	5.5	9.0				5.0	12.0	3.5	8.5	4.0	7.0	9.0	4.5	10.0	7.5	11.5	9.0	11.5
4- 5		8.5	4.0	4.0	9.0			8.5			6.5	9.5	10.5	4.5	9.0	11.5	10.5	6.0		8.5	4.5	5.0	10.0
5- 6		1.5	5.5	8.5	4.0	7.0				10.0	7.5	7.0		9.5	5.0		12.0	7.5	13.0	10.0	5.5		8.5
6- 7		3.0	7.0	3.5	8.0						9.0		9.0	5.0	10.0		5.0	9.0	5.5	11.0	7.0		6.5
7- 8		4.5	0.0	7.5	3.0	8.5	1.0			3.0	10.0	12.5		10.5	5.5		6.5	10.5		12.0	8.0	11.0	12.5
8- 9	0.5	6.0	1.5	2.5	7.5	1.0	6.5				11.0	9.5	7.0	6.0	11.0		8.0	12.0	8.5	5.0	9.0	7.0	11.0
9-10		7.5	3.0	7.0	2.0	10.0	12.0				12.5	7.0		11.5	6.5	6.0	9.5	5.0		6.0	10.5		9.5
10-11		0.5	5.0	2.0	6.5	2.5			1.5	12.5	1.0		5.5	7.0	12.0	10.5	11.0	6.5	11.0	7.5	11.5		8.0
11-12	2.0	2.0	6.5	6.0	1.5	11.5		6.0			2.0	12.5	12.0	2.5	7.5		12.5	8.0		8.5	4.5		6.5
12-13		3.5	8.0	1.0	5.5	4.0				5.5	3.5	10.0	3.5	8.0	3.0		5.5	9.5		9.5	5.5	9.0	12.5
13-14		5.0	1.0	5.5	0.5	13.0	4.0				4.5	7.5	10.5	3.5	8.5		6.5	11.0	6.5	11.0	6.5		11.0
14-15	3.5	6.5	2.5	0.0	5.0	5.5	9.0				6.0			9.0	4.0		8.0	12.5		12.0	8.0		9.5
15-16		8.0	4.0	4.5	9.0				7.5		7.0		8.5	4.5	9.5		9.5	5.5	9.0	5.0	9.0		8.0
16-17		1.0	5.5	9.0	4.0	7.0					8.0	10.5		9.5	5.0	10.0	11.0	7.0		6.0	10.0	11.0	6.5
17-18	5.0	2.5	7.0	3.5	8.5					8.0	9.5	8.0	7.0	5.5	10.0		4.0	8.5	11.5	7.0	11.5	6.5	12.5
18-19		4.0	8.5	8.0	3.5	8.5	1.0	3.5			10.5			10.5	6.0		5.5	10.0	4.5	8.5	12.5		11.0
19-20		5.5	1.5	3.0	7.5	1.0	6.5			1.0	12.0		5.5	6.0	11.0		7.0	11.5		9.5	5.5		9.5
20-21	6.5	7.5	3.0	7.0	2.5	10.0	12.0	11.0			0.5	11.0	12.0	11.5	6.5		8.5	4.5	7.0	10.5	6.5	13.0	8.0
21-22		0.5	4.5	2.0	7.0	2.5					1.5	8.0	3.5	7.0	12.0		10.0	6.0		12.0	7.5	8.5	6.5
22-23		2.0	6.0	6.5	1.5	11.5				10.5	3.0	5.5	10.5	2.5	7.5	9.0	11.5	7.5	9.5	4.5	9.0		12.5
23-24	8.0	3.5	7.5	1.5	6.0	4.0					4.0			8.0	3.0		4.5	9.0		6.0	10.0		11.0
24-25		5.0	0.5	5.5	1.0	13.0	4.0			3.5	5.0	11.0	8.5	3.5	8.5		6.0	10.5	12.0	7.0	11.0		9.5
25-26		6.5	2.0	0.5	5.0	5.5	9.0	1.0			6.5	8.5		9.0	4.0		7.5	12.0	5.0	8.0	12.5	10.5	8.0
26-27	9.5	8.0	3.5	5.0	0.0						7.5	6.0	7.0	4.5	9.5		9.0	5.0		9.5	5.0	6.0	6.5
27-28		1.0	5.0	9.0	4.5	7.0		8.5		13.0	9.0			10.0	5.0		10.5	6.5	7.5	10.5	6.5		12.5

	MS	NY	Z	AW	AX	AY	BE	BO	BS	BT	BU	CD	V495	V495
	VIR	VIR	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL
MAX	9.4	13.3	7.4	10.8	11.0	11.0	9.9	10.4	11.0	11.8	10.6	11.5	9.6	9.6
MIN	9.7	14.2	9.2	11.9	12.5	12.9	11.4	13.3	11.5	12.5	11.4	12.6	10.0	10.0
DUR	3	1	6	5	5	4	5	4	3	3	3	4	4	4
TOT														
	(S)													(S)
0- 1	12.0	5.5			12.0								12.0	
1- 2	10.5	5.5						13.0			12.5			
2- 3	9.0	6.0			12.5				11.0					
3- 4	7.5	6.0						11.5						
4- 5	6.0	6.5	12.0									0.5		
5- 6	12.0	6.5						10.5			12.0		10.0	12.0
6- 7	10.5	7.0				11.5			12.0					
7- 8	9.0	4.5							11.0	0.5		10.5		
8- 9	7.5	5.0		0.0			10.0		10.0					
9-10	6.0	5.0	10.0								12.0	12.0		
10-11	12.0	5.5		10.0						10.5				9.5
11-12	10.5	5.5						12.5						
12-13	9.0	6.0												
13-14	7.5	6.0									11.5			
14-15	6.0	6.5		11.0							1.0			
15-16	12.0	6.5								0.5				
16-17	10.5	7.0							12.0					
17-18	9.0	4.5							11.0		11.0	0.5		
18-19	7.5	5.0		11.5					9.5	10.5	0.5		12.0	
19-20	6.0	5.0												
20-21	12.0	5.5										10.5		
21-22	10.5	5.5									10.5			
22-23	9.0	6.0		12.5							0.0	11.5		
23-24	7.5	6.0								0.0			9.5	11.5
24-25	6.0	6.5										13.0		
25-26	12.0	6.5					12.0				10.0			
26-27	10.5	7.0							12.0	10.0				
27-28	9.0	4.5							11.0					