

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

	V342	V343	V346	RX	SS	SS	RY	SX	TT	WW	WW	AP	AP	AR	AR	CL	EM	EP	HP	HP	IM	V459	V459
	AQL	AQL	AQL	ARI	ARI	ARI	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR
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	7.7	7.7
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	8.1	8.1
DUR	7	4	4	4	3	3	6	4	5	5	5	4	4	5	5	4	4	3	3	3	4	4	4
TOT	3																						
						(S)					(S)		(S)		(S)					(S)			(S)
0- 1		2.5			4.0	9.0		5.5	6.5							8.0							
1- 2	6.5			2.5	9.0	4.5		10.5		6.5		9.0										6.5	
2- 3				3.0	4.5	9.5												8.0		5.5		6.0	
3- 4				4.0	10.0	5.0						9.0										7.5	
4- 5			1.5	4.5	5.5	10.0			6.0										8.5			9.0	
5- 6			4.5	5.0	10.5	5.5						8.5				7.5		7.0				10.5	
6- 7			7.0	6.0	6.0	11.0		6.5		8.0							12.0	11.5		12.0	6.0	12.0	
7- 8			9.5	6.5	1.5	6.5		11.5				8.5							5.0				
8- 9	1.5			7.5	7.0	2.0			6.0			12.0					7.5	6.0					
9-10		8.0		8.0	2.5	7.0						8.5		5.0			10.5			8.0			
10-11				9.0	7.5	2.5	7.0					11.5				7.0							
11-12		4.5		9.5	3.0	8.0				9.0		8.0	6.5						11.5		6.0		6.5
12-13				10.0	8.0	3.5		8.0	6.0			11.5						9.5		4.5	12.0		8.0
13-14		0.5		11.0	3.5	8.5						8.0		8.5									9.5
14-15			0.5	11.5	9.0	4.0						11.5							7.5				11.0
15-16			3.5		4.5	9.5						8.0	10.0		6.5		8.0						
16-17			6.0		9.5	5.0			6.0	10.5		11.0								11.0	5.5		
17-18			8.5		5.0	10.0		4.0				7.5		11.5		10.5		4.0			11.5		
18-19	5.5				10.5	5.5	11.0	9.0				11.0						7.0					
19-20					6.0	10.5							7.5			6.0	11.5		7.0			6.0	
20-21					11.0	6.0			6.0			11.0				6.0							7.5
21-22					6.5	1.5	4.5			11.5		7.5			12.0		6.0	10.5			5.5	9.0	
22-23		6.0			2.0	7.0						10.5					10.5				11.5	10.5	
23-24					7.5	2.5		5.5				7.0										12.0	
24-25		2.0			3.0	7.5		10.5	6.0			10.5							7.0				
25-26			2.0		8.0	3.0					6.5	7.0			5.5		9.5						
26-27			5.0		3.5	8.5						10.5			11.5					10.0	5.0		
27-28			7.5		8.5	4.0						7.0									11.0		
28-29					4.0	9.0			6.0			10.0				8.5	8.5						6.5
29-30					9.5	4.5	8.5	6.5				6.5								6.5			8.0

MAS Eclipsing Binary Ephemeris for September 2017

all times in U.T.

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	SS	SS	TU	TU	TY	TY	TZ	TZ	VW	VW	AD	AD	BW	BW	Y	SV	AL	CD	CD	R	RT	SX	TU
	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CAM	CAM	CAM	CAM	CAM	CMA	CMA	CMA	CMA
MAX	10.3	10.3	11.7	11.7	11.8	11.8	10.6	10.6	10.5	10.5	9.8	9.8	7.1	7.1	10.6	8.6	10.5	11.6	11.6	6.2	11.4	10.3	9.7
MIN	11.0	11.0	12.7	12.7	12.3	12.3	11.1	11.1	11.0	11.0	10.4	10.2	7.5	7.5	12.4	9.4	11.3	11.8	11.8	6.8	12.9	11.4	10.7
DUR	18	18	3	3	3	3	3	3	3	3	4	4	5	5	6	3	5	5	5	4	5	4	4
TOT	6	6																					
	(2)	(3)		(S)		(S)		(S)		(S)		(S)		(S)					(S)				
0- 1				2.0	3.0			4.0		2.0						9.5	10.0		5.5				
1- 2				1.0	2.0	6.0	5.0	1.5		2.5								9.0					
2- 3			4.5	0.5	1.0	4.5	2.5	6.0		3.0				4.5	4.0		3.5						10.5
3- 4			4.0			3.5		3.5		3.5						8.5	2.0		7.0				
4- 5			3.0			2.5	4.5	0.5					1.5			10.0	10.5	1.5					
5- 6			2.5		5.0	1.0	1.5	5.0	1.0					12.0	3.0		5.0					9.0	
6- 7			2.0		4.0		6.0	2.5	1.5			0.5	0.5			7.5			8.5		9.5		
7- 8			1.0		2.5		3.5		2.0		1.5						1.5	12.0	2.5				
8- 9			0.5	4.5	1.5	5.5	1.0	4.5	3.0			2.0				2.5	9.5	6.0		11.0			
9-10				4.0		4.0	5.5	2.0	3.5		3.0					7.0			9.5				
10-11	6.5			3.0		3.0	3.0	6.5				4.0				11.5			4.0				
11-12				2.5	5.5	2.0		4.0		0.5	4.5					1.5	1.5	7.5					11.0
12-13				2.0	4.5	0.5	5.0	1.5		1.5					2.5	6.0	9.0	2.0	11.0				
13-14				1.0	3.5		2.0	6.0		2.0						10.5			5.5				
14-15			4.5	0.5	2.0	6.0		3.0		2.5			1.5			0.5		9.0					
15-16			4.0		1.0	5.0	4.0	0.5		3.5				10.0	5.0	1.0	3.0				11.0		
16-17			3.0			3.5	1.5	5.0					0.5			9.5	9.0		6.5	10.0			
17-18			2.5			2.5	6.0	2.5										10.0	1.0				
18-19		3.0	2.0		5.0	1.5	3.5		1.0							4.5		4.5					9.0
19-20			1.0		4.0		1.0	4.5	2.0							9.0	0.5		8.0		8.0		
20-21			0.5	4.5	2.5		5.5	2.0	2.5								8.5	11.5	2.5				11.5
21-22				4.0	1.5	5.5	3.0	6.5	3.0							3.5		6.0					
22-23				3.0		4.0		4.0	3.5					0.5	8.0				9.5				
23-24				2.5		3.0	4.5	1.0											4.0				
24-25				2.0	5.5	2.0	2.0	5.5		1.0			1.5			2.5	8.0	7.5					
25-26				1.0	4.5	0.5		3.0		1.5					8.0	7.0		1.5	11.0				
26-27			4.5	0.5	3.5		4.0			2.0			0.5			11.5			5.0				12.0
27-28			4.0		2.0	6.0	1.5	5.0		3.0						2.0		8.5					
28-29			3.0		1.0	5.0	6.0	2.5		3.5						6.5	7.5	3.0			9.5		9.0
29-30			2.5			3.5	3.5									10.5			6.5				

	TZ	UU	XZ	YY	AC	AK	AM	AM	RW	TY	RZ	TV	TW	ZZ	AB	CW	CW	DZ	IR	IS	IT	MM	OR
	CMA	CMA	CMI	CMI	CMI	CMI	CMI	CMI	CAP	CAP	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	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	11.3	11.4
MIN	10.5	12.5	10.2	9.1	11.5	11.5	10.7	10.4	10.8	11.6	7.8	8.4	8.9	11.1	12.2	12.5	12.5	12.3	12.1	12.6	11.8	11.9	12.4
DUR	4	5	3	4	3	4	5	6	5	4	4	4	5	4	4	3	3	4	4	5	5	5	4
TOT																							

								(S)										(S)					
0- 1								11.0	3.5		1.0				3.0	6.5	3.0					1.5	9.5
1- 2					11.5	9.5		11.5			5.5				11.5	5.5	2.0	8.5	5.5		11.5	5.0	
2- 3			10.0		8.0			12.0			10.5		10.0	4.0		4.5	0.5	3.5					9.0
3- 4														9.5		3.5	7.5		6.5				
4- 5										5.5					5.0	2.5	6.5						3.0
5- 6						8.5					10.5	6.5				1.5	5.5	7.0	7.5	11.5	9.0		9.0
6- 7			11.0			12.0										8.0	4.0	1.5					
7- 8										2.0	5.0	6.0		3.0		7.0	3.0		8.5	7.5			
8- 9				9.0	10.0						10.0		3.0	9.0	7.5	6.0	2.0	10.0	1.0			4.0	
9-10			8.5	11.0								1.5				5.0	1.0	5.0	9.5	4.0	6.5	8.0	2.5
10-11	9.0					11.0			8.0							4.0	7.5		2.0			11.5	8.5
11-12		9.0														1.0	3.0	6.5		10.5			
12-13													10.0	2.5	10.0	2.0	5.5	8.5	3.0				
13-14			9.5								4.5			8.5		1.0	4.5	3.5	11.5		4.0		
14-15					11.5	10.0				5.0	9.0					7.5	3.5		4.0				2.5
15-16					8.5											6.5	2.5	12.0				3.0	8.0
16-17												7.5				5.5	1.5	6.5	5.0			6.5	
17-18			11.0						2.5	1.0						4.0	8.0	1.5			1.5	10.5	
18-19						9.0							3.0	3.0	7.5		3.0	7.0		6.0	9.0		
19-20											4.0					6.0	2.0	6.0	10.0				2.0
20-21				9.5							8.5						1.0	5.0	5.0	7.0	5.0		8.0
21-22				12.0	10.0							7.5					7.5	4.0					
22-23							9.0						10.0	1.5		6.5	3.0		8.0	1.0		1.5	
23-24						11.5	9.5							7.0	8.5	5.5	2.0	8.0				5.5	
24-25		9.0	9.5				10.0			4.0						4.5	1.0	3.0	9.0			9.5	1.5
25-26							10.5				3.5	9.0	6.5			3.5	7.5		1.5				7.5
26-27							10.5				8.0					2.0	2.5	6.5	11.5	10.0			
27-28					11.5	10.5	11.0		7.0			4.5		0.5	11.0	1.5	5.5	6.5	2.5				
28-29			11.0		8.5		11.5							3.0	6.5		8.0	4.0	1.0	11.0			
29-30	12.0															7.0	3.0		3.5	10.0		0.5	1.0

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

MAS Eclipsing Binary Ephemeris for September 2017

all times in U.T.

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	TX	RW	RW	RZ	RZ	SS	SS	CC	CC	U	RW	TW	Y	Y	SW	WW	ZZ	AE	BR	CG	DK	KR	KV
	CET	COM	COM	COM	COM	COM	COM	COM	COM	CRB	CRB	CRB	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG
MAX	10.9	11.0	11.0	10.0	10.0	10.9	10.9	11.0	11.0	7.6	10.1	10.5	7.0	7.0	9.3	9.9	10.7	11.8	9.4	11.0	10.3	9.2	11.5
MIN	11.5	11.6	11.6	10.7	10.7	11.5	11.5	11.9	11.9	8.8	10.6	11.3	7.6	7.6	11.8	13.2	12.0	12.8	10.5	11.8	10.8	10.0	12.6
DUR	4	3	3	3	3	4	4	2	2	5	4	4	6	6	5	5	4	4	4	3	4	4	5
TOT	1																						
			(S)		(S)		(S)		(S)					(S)									
0- 1	11.5	2.0			1.0												1.5	8.0	11.0	7.0	10.5		
1- 2	5.5	1.0			1.5									4.0		5.0	7.5	7.5			9.0	7.0	
2- 3			2.5		2.0	1.0					3.5	2.5	9.0					6.5		4.5	7.5	3.5	
3- 4	10.5		1.0		2.0		2.0	2.0										4.5	6.0	3.0	10.5	6.0	
4- 5	4.5	3.0			2.5	2.5			2.0					3.5			11.0	5.0	11.0	2.0	5.0		
5- 6		1.5						2.0			1.5	1.5	9.0				2.0	4.5		8.0	3.5		
6- 7	10.0	12.0							1.5			5.5					8.0	3.5			2.0	8.5	
7- 8	3.5		2.0				1.5			5.5				3.5				3.0	3.0	5.5	0.5	5.0	
8- 9			1.0				0.5		1.5				9.0				5.5	2.0	11.0	12.0	10.5	1.5	
9-10	9.0	2.5				1.5		1.0				4.0					11.5	1.5		3.0	9.0		
10-11		1.5		0.5			2.0		1.0		3.5			3.5			2.5	0.5		9.5	7.5		
11-12			3.0	1.0				1.0					9.0			4.0	9.0		3.0		6.0	10.5	8.5
12-13	8.0		1.5	1.5				0.5				3.0						11.0	6.5	5.0	6.5		
13-14			12.0	2.0							1.0			3.5	3.0		6.0				3.5	3.0	
14-15		2.0		2.0									9.0			11.5			4.0	2.0		4.5	
15-16	7.0	1.0		2.5			1.0			5.5	1.5						3.5		3.0	10.5	0.5		
16-17			2.5			2.0						6.0		3.5			9.5		11.0	1.5	10.5		
17-18			1.5				2.5						8.5				0.5			8.0	9.0	8.5	1.0
18-19	6.5									5.5	3.0						7.0				7.5	4.5	
19-20		1.5							2.0			4.5		3.5					3.0	5.5	6.5	1.0	
20-21	11.5	12.0						2.0					8.5				4.0		11.0	11.5	5.0		
21-22	5.5		2.0		0.5	1.0			2.0		1.0					2.5	10.5			3.0	3.5		
22-23			1.0		1.0		1.5	1.5				3.0		3.0	6.5		1.5			9.0	2.0	10.0	
23-24	11.0	2.5			1.5	2.5			1.5		5.0		8.5				7.5		3.0		0.5	6.5	
24-25	4.5	1.5			2.0			1.5								10.5			11.0	6.5	10.5	2.5	
25-26					2.0				1.0	3.0		2.0		3.0			5.0					9.0	
26-27	10.0		1.5		2.5			1.0			3.0	6.0	8.5				11.0			4.0	7.5		
27-28	3.5		0.5						1.0									2.0	11.5	3.0	10.0	6.5	
28-29		2.0				1.0		0.5						3.0			8.0	10.5	11.0	1.5	5.0	8.0	9.5
29-30	9.0	1.0					2.0				0.5	5.0	8.5					10.0		7.5	3.5	4.5	

	MY	MY	V346	V387	V388	V401	V456	V466	V466	V477	V548	V704	1034	W	TT	TY	YY	FZ	Z	RZ	TW	UZ	UZ
	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA
MAX	8.3	8.3	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
MIN	9.0	9.0	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
DUR	4	4	5	3	3	4	3	4	4	4	5	4	4	7	5	4	4	3	4	3	5	5	5
TOT														2							1		
		(S)							(S)														(S)
0- 1						7.5	4.0				2.0	11.5	8.5							10.5			
1- 2	9.5			5.0			1.5	4.5		10.0		1.0	8.0			4.5							
2- 3				11.5		1.5						4.5	7.5			9.0	5.5	6.0	9.0	2.5			
3- 4		9.5	7.0	3.0	9.5	5.5			6.5			8.0	7.0					0.5		4.5		5.5	
4- 5				10.0	6.0	9.5						11.5	6.5	2.5						7.0			
5- 6	9.5			1.0	2.5			8.5			12.0	1.0	6.0				9.5	9.0	2.0	9.5			
6- 7			1.0	8.0		3.5	10.0		1.0	2.5		4.5	5.5				4.5	4.0	11.0			11.5	
7- 8		9.5				7.5	7.5		10.5		7.0	8.0	5.0			3.5				1.5	9.5		
8- 9				6.0		4.5	3.5					11.5	4.5			8.0				3.5			3.0
9-10	9.5				9.5	1.5	2.0				2.5	1.0	3.5				8.5	7.0	4.0	6.0			
10-11				4.0	6.5	5.5			5.5			4.5	3.0				3.5	2.0		8.5	5.0		
11-12		9.5		11.0	3.0	9.5						8.0	2.5		7.0					11.0			9.0
12-13				2.5				7.5				11.0	2.0										
13-14	9.5			9.0		3.5				3.5		1.0	1.5			2.0	8.0	5.0	5.5	2.5			
14-15			6.5			7.5	10.5		9.5			4.0	1.0		3.5	7.0	3.0			5.0			
15-16		9.5		7.0	10.0		8.0	2.5				7.5								7.5			
16-17					6.5	1.5	5.0				8.0	11.0						8.0		10.0		6.5	
17-18	10.0			5.5	3.0	5.5	2.5		4.5			0.5		0.5		7.0	3.0	7.5					
18-19				12.0		9.5					3.0	4.0					2.0			1.5			
19-20		10.0		3.5				6.5				7.5				1.0				4.0			
20-21				10.0		3.0				4.5		11.0				6.0		6.0	0.5	6.5			
21-22	10.0			1.5	10.5	7.0			8.5			0.5			10.5	6.0	1.0	9.0	9.0	10.5		4.0	
22-23				8.5	7.0		11.0	1.5				4.0				1.0				11.5			
23-24		10.0			3.5	1.0	8.5	10.5				7.5		8.0			9.5			0.5			
24-25				6.5		5.0	5.5		3.5			11.0					4.0	2.5	3.0	6.0		10.0	
25-26	10.0		6.0			9.0	3.0				8.5					5.5		11.0	5.5				
26-27				4.5				5.5				4.0				4.5				8.0		1.5	
27-28		10.0		11.5	10.5	3.0				5.5	3.5	7.5				9.5		7.5		10.5	1.0		
28-29				2.5	7.0	7.0			7.5			10.5		3.5			9.5	2.0	4.0				
29-30	10.0			9.5	4.0												4.5			2.0		7.5	

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

	LT	V728	WY	WY	AV	DF	DF	DI	DK	SW	SW	VX	AR	AW	CM	CO	CO	DG	GX	Y	UU	VZ	WZ
	HER	HER	HYA	HYA	HYA	HYA	HYA	HYA	HYA	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	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	7.3	10.6	8.5	10.5	10.5	10.8	10.1	9.5	11.4	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	8.2	11.3	9.5	11.0	11.0	12.0	10.4	12.7	12.7	11.7	12.0
DUR	4	3	3	3	4	4	4	4	4	3	3	4	6	5	4	5	5	4	6	5	4	4	5
TOT													2										
				(S)			(S)					(S)							(S)				
0- 1		8.5	9.5				10.5			3.0	7.0	6.0		10.5				5.0					
1- 2		7.5		11.0	10.5		10.0			2.0	6.0	8.0	3.0			8.5							
2- 3	0.5	6.0					10.0			1.0	5.0	9.5					2.5	10.0				10.0	
3- 4	2.5	4.5			12.0		9.5			8.0	4.0	11.5	3.0										10.0
4- 5	4.5	3.0					9.5			7.0	3.0				4.5	10.5			3.5				
5- 6		2.0	10.0				9.5	11.5		6.0	2.5		2.5				4.5			9.5			
6- 7				11.5						5.0	1.5			4.0									
7- 8								12.0		4.5	8.0		2.0	7.5	9.5								
8- 9		9.0								3.5	7.0			10.5			6.5						
9-10		7.5								2.5	6.5		1.5			1.5		0.5					
10-11		6.0	10.0							1.5	5.5								12.0	11.0			11.0
11-12		5.0		12.0						0.5	4.5		1.0				8.5	5.5					
12-13		3.5				12.0				7.5	3.5	2.0			5.0	3.5							
13-14		2.0				11.5		11.0		6.5	2.5	3.5	1.0					10.5					
14-15		0.5			10.5	11.5				5.5	2.0	5.5		4.0			10.5					10.0	
15-16	1.0		10.5			11.5				4.5	1.0	7.0		7.5	10.0	5.5							
16-17	3.0				11.5	11.0				4.0	7.5	9.0		10.5									
17-18	5.0	8.0				11.0				3.0	7.0	10.5											12.0
18-19		6.5				10.5				2.0	6.0						7.5						
19-20		5.0				10.5			12.0	1.0	5.0						1.5						
20-21		3.5	10.5			10.5				8.0	4.0				5.5			1.5					
21-22		2.5				10.0		11.0		7.0	3.0						9.5						
22-23		1.0				10.0				6.0	2.0			4.0			3.5	6.5					
23-24						10.0				5.0	1.5			7.5	10.5				5.0		10.0		
24-25			9.0			9.5				4.5	8.0			10.5		11.5		11.5					
25-26		8.0	11.0			9.5				3.5	7.0				1.0		5.5						
26-27		7.0								2.5	6.5	1.0											9.5
27-28		5.5								1.5	5.5	3.0											12.0
28-29	1.0	4.0								0.5	4.5	4.5			6.0		7.5			11.0			
29-30	3.0	2.5		9.5	11.0			10.5		7.5	3.5	6.5				2.5							

	XY	XZ	AM	RR	SS	DELT	RY	UZ	EW	FL	RU	RU	RW	AT	BB	BO	EP	U	SX	V501	V508	V839	1010
	LEO	LEO	LEO	LEP	LIB	LIB	LYN	LYR	LYR	LYR	MON	MON	MON	MON	MON	MON	MON	OPH	OPH	OPH	OPH	OPH	OPH
MAX	9.5	10.6	9.2	10.2	10.4	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
MIN	9.9	11.2	9.8	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
DUR	2	3	3	4	6	7	4	5	5	4	5	5	5	5	4	5	5	5	5	4	3	3	4
TOT													1			1							

(S)

0- 1	10.5						8.5													1.0	6.0				
1- 2																						6.5	5.5	1.5	
2- 3	10.5										10.0							0.5			7.5	1.0			
3- 4					1.0												11.5					6.5	1.0		
4- 5	10.0			11.5																		1.0	2.0		
5- 6				9.5											11.0							1.5	0.5		
6- 7	10.0			7.5						1.0												2.5	3.0		
7- 8																9.0		1.5				3.5			
8- 9										5.5		10.5			9.5							4.0	4.0		
9-10		11.5						8.0														5.0			
10-11		11.0	11.5				9.5			9.5			8.0				8.5					5.5	5.5		
11-12		10.5						5.5	9.0										2.0			6.5	1.0		
12-13		10.0																2.0				7.5	6.5		
13-14					3.0		6.5	3.0	8.0										3.5				2.0		
14-15			12.0								9.5												1.0		
15-16				11.5					6.5													1.5	3.0		
16-17				9.5											11.0							2.5			
17-18	12.0			7.5					5.5													3.0	4.0		
18-19																	9.5					4.0			
19-20	11.5								4.0	3.0					9.5							5.0	5.0		
20-21							10.5															5.5	1.0		
21-22	11.5					3.5			3.0	7.0												6.5	6.5		
22-23																		3.5				7.5	7.5	2.0	
23-24	11.0						7.5		1.5	11.5												7.0			
24-25																						6.0	0.5	3.0	
25-26	11.0		11.5																			5.0	1.5		
26-27				11.0	1.5			8.5									10.5					4.5	2.5	4.0	4.5
27-28	10.5			9.0							12.0			11.0	9.5			4.5				3.5	3.0		
28-29				7.0		3.0		6.0														3.0	4.0	5.0	4.0
29-30	10.5	11.5	12.0				1.0					9.5	9.0									2.0	5.0	1.0	

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

	BG	BX	DI	GP	KW	KW	Z	RT	RV	ST	XZ	IQ	IQ	IT	IU	KW	V432	BETA	AE	AE	Y	RV	UZ
	PEG	PEG	PEG	PEG	PEG	PEG	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PHE	PHE	PSC	PSC	PUP
MAX	10.5	10.9	9.6	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	9.0	11.3	9.7
MIN	11.8	11.5	10.8	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	12.0	10.6
DUR	4	3	2	4	3	3	6	4	8	5	4	5	5	4	5	4	3	8	2	2	7	3	4
TOT	1						2			1													
						(S)						(S)								(S)			
0- 1		1.5	7.5		8.0			5.5						3.0		8.0		6.0	10.0			3.0	
1- 2		4.5			4.0			2.0	3.5						9.0	2.5		8.0				5.5	11.5
2- 3		0.5	10.5			9.0					1.5				6.0	6.0	5.5	10.0	5.5			8.0	
3- 4		3.5	3.5			5.0			3.0	11.5	5.0		8.0	4.5	2.5				7.5			10.5	
4- 5		6.5			10.0			11.5			8.5	7.0				4.0		5.5	10.0				
5- 6		2.5	7.0		6.0			8.0					1.5			10.5	7.5	2.0	7.5	12.0		2.5	11.0
6- 7		5.5			1.5	11.0		4.5		3.0				6.0		9.0	2.0		9.5	5.5		5.0	
7- 8		2.0	10.0			7.0		1.0							9.0	7.0	5.5		11.5	7.5			8.0
8- 9		4.5	3.5			2.5									5.5	5.5	9.0		5.0	9.5	6.5	10.5	
9-10		1.0			8.0									7.5	2.5	4.0	3.5		7.0	11.5			10.5
10-11		4.0	6.5		3.5			10.5			3.0		7.0			2.0	7.0		9.5	5.0			2.5
11-12		6.5				9.0		6.5		10.0	6.5	6.0				0.5	1.5		11.5	7.0			5.0
12-13		3.0	10.0			4.5		3.0			10.0		1.0	9.5				5.0	5.0	9.0	1.0	7.5	
13-14		6.0	3.0		9.5										9.0	8.5		7.0	11.0			10.0	9.5
14-15	11.5	2.0			5.5					1.5					5.5	3.0		9.0	4.5				
15-16		5.0	6.0		1.0	10.5	0.5							11.0	2.5	6.5		11.0	6.5			2.0	
16-17	10.5	1.0				6.5		9.0			11.5					1.0		4.5	9.0			4.5	
17-18		4.0	9.5	12.0	11.5	2.0		5.5					6.5			4.5		6.5	11.0			7.0	
18-19	9.5	7.0	2.5	11.5	7.5		2.0	2.0			4.5	5.5				11.5	8.5		8.5	4.5			9.5
19-20		3.0		11.0	3.0						9.0	8.0			9.0	9.5	2.5	10.5	10.5	6.5			
20-21	8.0	6.0	5.5	10.0		8.5					11.5			1.5	5.5	8.0	6.5		4.0	8.5			1.5
21-22		2.5		9.5		4.0	3.5	11.5							2.5	6.5	10.0		6.0	10.5			4.0
22-23	7.0	5.0	9.0	9.0	9.5			7.5								4.5	4.5	7.0	8.5				7.0
23-24		1.5	2.0	8.5	5.0			4.0			11.0			3.0		3.0	8.0		10.5	6.0	8.0	9.5	
24-25	6.0	4.5		8.0		10.0	5.0						6.0			1.5	2.5			8.0			12.0
25-26		7.0	5.5	7.5		6.0					2.0	5.0			9.0			4.0	6.0	10.0			1.5
26-27	4.5	3.5		6.5	11.0	1.5					6.0			4.5	5.5				9.5	8.0			4.0
27-28		6.5	8.5	6.0	7.0		6.0	10.0		7.5	9.5				2.0				10.0	5.5	2.5	6.5	
28-29	3.5	2.5	1.5	5.5	2.5			6.5											7.5				9.0
29-30		5.5	12.0	5.0		8.0		3.0					11.5	6.0					5.5	10.0			11.5

	UZ	AV	U	V505	1968	RS	AO	CC	CC	Y	RW	RZ	TY	WY	AM	AQ	CT	EQ	EQ	HU	V	X	RS	
	PUP	PUP	SGE	SGR	SGR	SER	SER	SER	SER	SEX	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TRI	TRI	TRI
MAX	9.7	10.2	6.4	6.4	12.3	10.8	10.6	11.1	11.1	9.8	8.0	10.5	11.5	11.5	10.4	12.0	10.2	10.3	10.3	6.0	10.9	8.9	10.3	
MIN	10.3	10.8	9.1	7.6	13.3	11.5	12.1	11.7	11.7	10.2	12.5	11.2	12.0	11.7	12.3	12.9	11.5	11.0	11.0	6.8	11.9	12.0	11.0	
DUR	4	3	6	5	4	4	4	4	4	3	4	3	2	4	5	5	5	3	3	6	4	4	4	
TOT			2								1													
	(S)										(S)													
0- 1						1.0		1.0				6.0						9.5	5.5		7.5	3.5		
1- 2			5.5			5.5		1.5				12.0		5.5				10.0	6.0		11.5	3.0		
2- 3		12.0			3.5			2.5		11.5	5.0	7.5						10.5	6.5		1.5	2.0		
3- 4	11.0			3.5		1.0	5.0	3.0						7.0				11.0	7.0		5.5	1.5		
4- 5				8.0		5.5	2.0	4.0				9.5				4.5		3.5	7.5		9.5			
5- 6								4.5				5.5		9.0		9.5		4.0	8.0					
6- 7					2.0	0.5						11.5	6.0					4.5	8.5			3.5		
7- 8	10.5				5.0	5.5						7.5	8.0	11.0			5.0	5.0	9.5			8.0		
8- 9									1.0				9.5					6.0	10.0			12.0		
9-10				1.5					1.5			9.5	11.5				5.0	6.5	10.5			2.0		
10-11				5.5	0.5	5.0			2.5	11.0		5.5		5.5		6.0		7.0	11.0			6.0		
11-12	10.0		8.5		3.5		3.0		3.0			11.0				11.5	5.0	7.5	3.5			10.0	10.5	
12-13									4.0			7.0		7.5				8.0	4.0					
13-14						5.0			4.5		7.0						5.0	8.5	4.5		4.5		8.5	
14-15												9.0		9.0				9.0	5.0		8.5			
15-16	9.5				2.5					12.0		5.0					5.5	10.0	5.5				6.0	
16-17				3.5	5.5	4.5		1.0				11.0		11.0		8.0		10.5	6.5		2.5			
17-18								1.5				7.0					5.5	11.0	7.0		6.5		4.0	
18-19			3.0				3.5	2.5										3.5	7.5	4.5	10.5			
19-20					1.0	4.5	1.0	3.0				8.5		5.5			5.5	4.0	8.0		0.5		2.0	
20-21					4.0			4.0				4.5	6.0					4.5	8.5	6.0	5.0			
21-22								4.5				10.5	8.0	7.5		5.0	5.5	5.0	9.0		9.0			
22-23				1.5		4.0						6.5	10.0			10.0		5.5	10.0	7.5		3.0	12.0	
23-24				6.0						11.5			11.5	9.5			5.5	6.0	10.5			3.0	11.0	
24-25					2.5			1.0			8.5	8.5			6.5			7.0	11.0	8.5	7.0	10.5		
25-26					5.5	4.0	4.5	1.5				4.5		11.0			5.5	7.5	11.5		11.0	9.5		
26-27		10.0					1.5	2.5				10.5			7.5			8.0	4.0	10.0	1.5	9.0		
27-28								3.0				6.5				6.5	5.5	8.5	4.5		5.5	8.5		
28-29			6.5		1.5	3.5		4.0						6.0	8.5	12.0		9.0	5.0	11.5	9.5	7.5		
29-30				4.0	4.5			4.5				8.0					5.5	9.5	5.5				7.0	

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

	BH	MS	MS	NY	Z	AW	AX	AY	BE	BO	BS	BT	BU	CD	V495	V495
	VIR	VIR	VIR	VIR	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL
MAX	9.9	9.4	9.4	13.3	7.4	10.8	11.0	11.0	9.9	10.4	11.0	11.8	10.6	11.5	9.6	9.6
MIN	11.3	9.7	9.7	14.2	9.2	11.9	12.5	12.9	11.4	13.3	11.5	12.5	11.4	12.6	10.0	10.0
DUR	4	3	3	1	6	5	5	4	5	4	3	3	3	4	4	4
TOT																
			(S)													(S)
0- 1			0.5	1.0		1.0					3.0	10.5	1.5			
1- 2				1.5	4.0		2.5		7.0		2.0		4.5	6.0	2.0	4.0
2- 3		1.5		1.5							0.5		8.0			
3- 4				2.0		6.5	3.0							7.0		
4- 5				2.0		1.5		8.5	9.5				1.0		8.5	
5- 6							3.5				8.5		4.0	8.5		
6- 7					2.0						7.5	3.5	7.5	1.0		1.5
7- 8	1.0	1.0		0.5		7.0	4.0				6.5	7.0	11.0	9.5		
8- 9				1.0		2.5					5.0	10.5		2.0		
9-10				1.0			5.0	4.5	1.5		4.0		4.0		6.0	8.0
10-11				1.5							3.0		7.0	3.5		
11-12				1.5		8.0	5.5			9.0	1.5		10.5			
12-13		1.0		2.0		3.0			4.0		0.5			4.5		
13-14				2.0			6.0			7.5				3.5		
14-15				2.0								3.0	6.5	6.0	4.0	5.5
15-16						8.5	6.5		6.5	6.5	8.5	6.5	10.0			
16-17	0.5					4.0		10.0			7.5	10.0		7.0		
17-18		1.0		0.5			7.0			5.0	6.0		3.0			
18-19				1.0	8.5				9.0		5.0		6.5	8.0		
19-20				1.0		9.5	8.0			3.5	4.0		9.5	0.5	1.5	3.5
20-21	2.5			1.5		4.5					3.0			9.5		
21-22				1.5			8.5	6.0		2.5	1.5			2.5	2.0	
22-23		1.0		2.0								3.0	6.0		8.0	
23-24				2.0	6.5	10.0	9.0		0.5	1.0		6.5	9.0	3.0		
24-25			2.0	2.5		5.5					9.5	9.5				1.0
25-26						1.0	9.5				8.5		2.0	4.5		
26-27								1.5	3.0		7.5		5.5			
27-28		1.0		0.5			10.0				6.0		8.5	5.5	6.0	7.5
28-29				1.0	4.0	6.5					5.0					
29-30	2.0		2.0	1.0		1.5			5.5		4.0		1.5	7.0		