

MAS Eclipsing Binary Ephemeris for July 2016

all times in U.T.

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	RT	TW	UU	WZ	XZ	AB	AB	AD	BD	BX	DS	DS	QX	QX	RY	CX	CZ	XZ	KO	KP	OO	OO	V342
	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AQR	AQR	AQR	AQL	AQL	AQL	AQL	AQL	AQL
MAX	9.3	8.8	11.2	11.6	10.0	9.3	9.3	11.1	11.3	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	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	11.4	11.6	11.6	10.1	12.0	11.2	11.2	9.3	10.5	10.1	10.1	12.5
DUR	3	11	8	4	3	3	3	4	3	4	4	4	3	3	5	3	3	7	5	4	3	3	7
TOT		2																					3
						(S)	(S)				(S)		(S)									(S)	
0- 1	6.5			10.5		8.5	4.5				11.0		6.5								5.5		
1- 2						8.0	4.0		11.0				7.0		7.0						5.5		
2- 3	4.0	8.0			5.0	8.0	4.0		9.0	7.0			8.0			5.0					6.0		
3- 4	10.0			5.0		8.0	4.0	11.0	7.5				8.5		6.5	7.5					6.5		
4- 5						8.0	4.0	10.5	5.5				4.5	9.5		10.5	10.0				6.5		10.0
5- 6	7.5			7.0		8.0	4.0	10.5	3.5	8.5			10.0	5.0	5.5		7.0			4.0	7.0		
6- 7		11.0			7.0	7.5	3.5	10.0	2.0				6.0	11.0				9.0			7.5		
7- 8	4.5			9.5		7.5	3.5	9.5	4.5				6.5	4.5	5.0						7.5		
8- 9	11.0					7.5	3.5	9.5	9.5	9.5			7.5			7.5					8.0	2.0	
9-10	2.0					7.5	3.5	9.0	7.5					8.0	4.0	10.5			5.5		8.5	2.0	
10-11	8.0			4.0	8.5	7.0	3.5	8.5	6.0	5.5			9.0				11.0				8.5	2.5	
11-12						7.0	3.0	8.5	4.0	11.0			4.5	9.5	3.0		8.0	5.0			9.0	3.0	4.5
12-13	5.5			6.0		7.0	3.0	8.0	2.5				10.5	5.5		5.0			2.5		9.5	3.0	
13-14						7.0	3.0	7.5		6.5			6.0	11.0		8.0		8.0			9.5	3.5	
14-15	2.5			8.0	10.5	7.0	3.0	7.5	10.0				7.0		10.5						10.0	4.0	
15-16	9.0					6.5	2.5	7.0	8.0				7.5							6.5	10.5	4.0	
16-17				10.5		6.5	2.5	6.5	6.5	8.0				8.5							10.5	4.5	
17-18	6.0					6.5	2.5	6.5	4.5				9.0			5.0	9.0				11.0	5.0	
18-19						6.5	2.5	6.0	3.0				5.0	9.5		8.0	5.5					5.0	
19-20	3.5			5.0		6.5	2.5	5.5		9.0			10.5	5.5		10.5						5.5	
20-21	9.5		10.5			6.0	2.0	5.5	10.5				6.0									6.0	
21-22				7.0	5.5	6.0	2.0	5.0	8.5	5.0				7.0								6.0	9.0
22-23	7.0					6.0	2.0	4.5	7.0	10.5	4.5		7.5			5.5						6.5	
23-24			10.0	9.5		6.0	2.0	4.5	5.0		5.0			8.5		8.0	9.5					7.0	
24-25	4.0					6.0	2.0	4.0	3.0	6.5	5.0		9.0			10.5	6.5					7.0	
25-26	10.5				7.0	5.5	9.5	3.5			5.5		5.0	10.0						9.0		7.5	
26-27			9.5	4.0		5.5	9.5	3.5	10.5		5.5		10.5	5.5				4.0	10.0			8.0	
27-28	7.5					5.5	9.5	3.0	9.0	7.5	6.0		6.5			5.5					2.0	8.0	
28-29				6.0		5.5	9.5	2.5	7.0		6.0			7.0		8.0		7.5			2.5	8.5	3.5
29-30	5.0		8.5		8.5	5.5	9.0	2.5	5.5		6.5		8.0			11.0	10.5		6.5		2.5	9.0	
30-31	11.0			8.0		5.0	9.0	2.0	3.5	8.5	6.5			8.5			7.5	11.0			3.0	9.0	

	V343	V346	RX	SS	SS	RY	SX	TT	WW	AP	AP	AR	CL	EM	EP	HP	HP	IM	SS	SS	TU	TU	TY	
	AQL	AQL	ARI	ARI	ARI	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	BOO	BOO	BOO	BOO	BOO	
MAX	10.6	9.0	9.4	10.1	10.1	11.7	8.2	8.7	5.7	10.9	10.9	6.0	11.7	11.0	10.8	10.8	10.8	7.9	10.3	10.3	11.7	11.7	11.8	
MIN	12.3	10.4	9.9	11.1	11.1	14.0	9.0	9.7	6.4	11.4	11.4	6.7	13.2	11.9	11.3	11.5	11.5	8.5	11.0	11.0	12.7	12.7	12.3	
DUR	4	4	4	3	3	6	4	5	5	4	4	5	4	4	3	3	3	4	18	18	3	3	3	
TOT																			6	6				
					(S)				(S)		(S)						(S)		(2)	(3)		(S)		
0- 1					6.5													11.0			4.0	8.0	6.0	
1- 2				7.0										11.0							3.0	7.0	5.0	
2- 3					7.5												9.0				2.5	6.5	4.0	
3- 4				8.0				10.5													2.0	6.0	2.5	
4- 5					8.0										9.5							5.0	9.0	
5- 6		3.0		8.5										8.0				10.5			8.5	4.5	8.0	
6- 7		5.5		9.0						11.0											7.5	4.0	6.5	
7- 8		8.0		9.0			8.0	10.5									8.5				7.0	3.0	5.5	
8- 9	9.0	10.5		9.5							11.0										6.5	2.5	4.5	
9-10				10.0		9.5															6.0	2.0	3.0	
10-11	5.5			10.5						10.5								10.5			5.0		2.0	
11-12				10.5	6.0			10.5											8.0		4.5	8.5	8.5	
12-13				6.0	11.0						10.5	9.5						8.0			4.0	7.5	7.5	
13-14				6.5			9.0														3.0	7.0	6.0	
14-15				7.0						10.5				10.5	11.0						2.5	6.5	5.0	
15-16		2.0		7.0				10.5	10.5				11.0					10.0			2.0	6.0	4.0	
16-17		4.5	6.0	7.5						10.0												5.0	2.5	
17-18		7.0	6.5	8.0											9.5	7.5					8.5	4.5	9.0	
18-19		9.5	7.5	8.5						10.0												7.5	4.0	8.0
19-20	11.0		8.0	8.5		10.5	10.5										11.0			4.5	7.0	3.0	7.0	
20-21			9.0	9.0							10.0							9.5			6.5	2.5	5.5	
21-22	7.0		9.5	9.5																	6.0	2.0	4.5	
22-23			10.0	9.5																	5.0		3.5	
23-24	3.5		11.0	10.0				10.5													4.5	8.5	2.0	
24-25			10.5	5.5												10.5					4.0	7.5	8.5	
25-26			6.0	11.0								9.5	9.0					9.5			3.0	7.0	7.5	
26-27		3.5	11.0	6.5						2.5											2.5	6.5	6.5	
27-28		6.0	6.5					10.5								11.0					2.0	5.5	5.0	
28-29		8.5	7.0							2.5												5.0	4.0	
29-30	11.0		7.5														10.0				8.5	4.5	3.0	
30-31			7.5			7.5					2.0		9.0		10.0			9.0			7.5	4.0	9.0	

	TY	TZ	TZ	UW	VW	VW	AD	AD	BW	BW	Y	SV	AL	CD	CD	RW	TY	RZ	TV	TW	ZZ	AB	CW	
	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CAM	CAM	CAM	CAM	CAM	CAP	CAP	CAS	CAS	CAS	CAS	CAS	CAS	
MAX	11.8	10.6	10.6	10.4	10.5	10.5	9.8	9.8	7.1	7.1	10.6	8.6	10.5	11.6	11.6	9.8	10.5	6.4	7.3	8.3	10.7	10.2	11.8	
MIN	12.3	11.1	11.1	11.4	11.0	11.0	10.4	10.2	7.5	7.5	12.4	9.4	11.3	11.8	11.8	10.8	11.6	7.8	8.4	8.9	11.1	12.2	12.5	
DUR	3	3	3	3	3	3	4	4	5	5	6	3	5	5	5	5	4	4	4	5	4	4	3	
TOT	(S)		(S)			(S)		(S)			(S)				(S)									
0- 1	2.5	7.0	3.5	8.0		5.0						9.0		10.5				8.0			3.5		8.0	
1- 2	9.0	4.5	8.0	8.0		5.5						3.0		5.0			8.5				9.0		7.0	
2- 3	7.5	2.0	5.5	8.0	2.0	6.5							3.5	8.5						8.0			5.5	
3- 4	6.5	6.5	2.5	8.0	3.0	7.0			2.0			8.0			3.0	2.5						9.0	4.5	
4- 5	5.5	3.5	7.5	8.5	3.5	7.5								6.5			4.5						3.5	
5- 6	4.0	8.0	4.5	8.5	4.0							3.0			10.0			3.0		4.5	2.5		2.5	
6- 7	3.0	5.5	2.0	8.5	5.0							7.5	8.5		4.0			7.5			8.5	2.5	9.0	
7- 8	2.0	3.0	6.5	8.5	5.5									8.0									8.0	
8- 9	8.0	7.5	4.0	8.5	6.0	2.0						2.0		2.0			11.0		7.0				7.0	
9-10	7.0	5.0	8.5	9.0	7.0	2.5					8.5	6.5			5.5								6.0	
10-11	6.0	2.5	6.0	9.0	7.5	3.5						11.0	8.0	9.0					2.5		2.0	5.0	5.0	
11-12	4.5	7.0	3.5	9.0		4.0								3.0			7.5	2.0			8.0		4.0	
12-13	3.5	4.5	8.0	9.0		4.5						5.5			7.0			7.0		8.0			3.0	
13-14	2.5	9.0	5.0	9.5		5.0			2.0			10.0		10.5		6.5								2.0
14-15	9.0	6.0	2.5	9.5	2.0	6.0	2.0						7.5	5.0			4.0					7.5	8.5	
15-16	7.5	3.5	7.0	9.5	2.5	6.5		3.0				5.0			8.5					4.5				7.5
16-17	6.5	8.0	4.5	9.5	3.0	7.0	4.0					9.5			2.5						7.5			6.5
17-18	5.5	5.5	2.0	9.5	3.5			4.5						6.0					8.5					5.5
18-19	4.0	3.0	6.5	10.0	4.5		5.5					4.0	7.0		9.5	10.5	6.5				10.0			4.5
19-20	3.0	7.5	4.0	10.0	5.0			6.5			6.5	8.5			4.0			11.0	4.0					3.5
20-21	2.0	5.0	8.5	10.0	5.5		7.0							7.5										2.5
21-22	8.5	2.0	6.0	10.0	6.5	2.0		8.0		3.0		3.0		2.0	11.0		6.5				6.5	3.5		9.0
22-23	7.0	6.5	3.0	10.5	7.0	3.0	9.0					7.5	7.0		5.5					8.0				8.0
23-24	6.0	4.0	7.5	10.5	7.5	3.5			2.0					9.0		11.0								7.0
24-25	5.0	8.5	5.0	10.5		4.0						2.5			3.5		3.0	6.0						6.0
25-26	3.5	6.0	2.5	10.5		5.0						7.0			7.0			10.5		4.5		6.0		4.5
26-27	2.5	3.5	7.0	10.5		5.5							6.5	10.5					10.0		6.0			3.5
27-28	9.0	8.0	4.5	11.0	2.0	6.0								4.5										2.5
28-29	8.0	5.5	2.0		2.5	6.5						6.0			8.0		9.5		5.5					9.5
29-30	6.5	3.0	6.5		3.5	7.5					4.5	10.5			2.5							8.5		8.0
30-31	5.5	7.5	3.5		4.0								6.0	6.0		6.0		5.0						7.0

	CW	DZ	IR	IS	IT	IV	MM	OR	OX	OX	PV	V364	V364	V375	V380	U	SU	WW	WZ	WZ	XX	ZZ	DK
	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP
MAX	11.8	11.6	10.8	11.6	11.0	11.2	11.3	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
MIN	12.5	12.3	12.1	12.6	11.8	12.5	11.9	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
DUR	3	4	4	5	5	5	5	4	5	5	3	4	4	5	5	4	4	4	3	3	4	5	4
TOT																2							
	(S)								(S)			(S)								(S)			
0- 1	4.0		2.0			6.5		3.0									5.5		7.5	2.5		10.5	7.0
1- 2	3.0	9.5	10.5			6.5		8.5				9.0					3.5		3.5	8.5			7.0
2- 3	2.0	4.0	3.0			6.5					6.5		3.5	6.5					9.5	4.5			6.5
3- 4	8.5			9.5		6.5				3.0					10.0				5.5	10.5			6.0
4- 5	7.5		4.0			6.5	5.0		8.5											6.5			6.0
5- 6	6.5	7.5		6.0		6.5	9.0	2.5					5.5	5.5				9.5	7.5	2.5	9.5		5.5
6- 7	5.5	2.5	5.0			6.5		8.5							3.5				3.5	8.5			5.0
7- 8	4.5			2.0		6.5										11.0	10.5		10.0	5.0			5.0
8- 9	3.5	11.0	6.0			6.5				2.5			8.0	4.0			8.5		6.0	11.0			4.5
9-10	2.5	5.5				6.5			8.0		6.5	2.5					6.0		2.0	7.0			4.0
10-11	9.0		7.0			6.5		2.0							5.0		3.5		8.0	3.0	2.0		4.0
11-12	8.0					6.0	4.0	8.0					10.0	2.5					4.0	9.0		4.0	3.5
12-13	7.0	9.0	8.0			6.0	8.0						4.5						10.0	5.0	10.0		3.0
13-14	5.5	4.0				6.0				1.5									6.0	11.0		7.0	3.0
14-15	4.5		9.0	10.5		6.0			7.5						6.5				2.0	7.0			2.5
15-16	3.5				10.5	6.0							6.5						8.0	3.0		10.5	2.0
16-17	2.5	7.5	10.0	7.0		6.0		7.5			7.0						11.0		4.0	9.0			1.5
17-18	9.0	2.0	2.5			6.0										10.0	8.5		10.0	5.0	2.0		
18-19	8.0		11.0	3.0		6.0	3.0					8.5			8.5		6.5		6.5				
19-20	7.0	10.5	3.5		8.0	6.0	6.5		7.0				3.0				4.0	5.0	2.5	7.5	10.0		
20-21	6.0	5.5				6.0	10.5												8.5	3.5			
21-22	5.0		4.5			6.0		7.0				10.5		10.5					4.5	9.5			
22-23	4.0					6.0							5.0		10.0	10.0			10.5	5.5			
23-24	3.0	9.0	5.5		5.5	6.0					7.0			9.0					2.5	7.5	2.5		
24-25	2.0	3.5				6.0			6.5										8.5	3.5			
25-26	8.5		6.5			5.5						7.0		3.5					4.5	9.5	10.5	3.5	
26-27	7.5					5.5	5.5	6.5									9.0		4.5	9.5			
27-28	6.5	7.0	7.5	8.0	3.0	5.5	9.0							7.5		9.5	6.5		10.5	5.5			
28-29	5.5	2.0				5.5						9.0					4.5	9.5	6.5			7.0	
29-30	4.5		8.5	4.5		5.5			6.0			3.5			5.0		2.0		3.0	8.0			
30-31	3.5	10.5				5.5					7.0			6.5					9.0	4.0		10.5	

	DL	DV	EG	EK	GK	SS	TT	TW	TW	TX	RW	RW	RZ	RZ	SS	SS	CC	CC	U	RW	TW	W	W
	CEP	CEP	CEP	CEP	CEP	CET	CET	CET	CET	CET	COM	COM	COM	COM	COM	COM	COM	COM	CRB	CRB	CRB	CRV	CRV
MAX	12.4	11.6	9.6	8.2	6.9	9.4	10.8	10.4	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
MIN	13.2	12.4	10.6	9.5	7.4	13.0	11.3	11.2	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
DUR	5	4	3	6	4	5	3	3	3	4	3	3	3	3	4	4	2	2	5	4	4	4	4
TOT						2				1													
									(S)		(S)		(S)		(S)		(S)						(S)
0- 1	5.0	9.0	11.0					8.0			2.5	5.0		4.5	3.0		4.5	2.0			10.0		
1- 2									10.5		6.5	4.0		5.0		3.5	2.0	4.5		7.0			
2- 3			2.0	9.5					9.5		5.5	2.5		5.0	4.5		4.5				4.0		3.5
3- 4			4.0						8.0		4.5			5.5	5.0		4.0	4.0	8.0		8.5	3.0	
4- 5			6.5				10.5	11.0		11.0	3.0	6.0	2.0	6.0	6.0		4.0			4.5			2.5
5- 6	2.5		8.5				10.0	9.5			2.0	4.5	2.5	6.5		6.5	4.0				3.0		
6- 7		4.5	10.5				9.5	8.5			6.5	3.5	2.5		2.5	3.5	6.5			9.0	7.0		
7- 8		8.5					8.5		11.0	10.0	5.0	2.5	3.0		3.0		6.0	3.5		2.5			
8- 9	8.5		2.0				8.0		10.0		4.0	7.0	3.5		4.0		3.5	6.0				4.0	
9-10			4.0		10.0		7.5		8.5		2.5	5.5	4.0		5.0		6.0	3.0			6.5	6.0	3.5
10-11			6.0		8.5					9.5		4.5	4.0			5.5	3.0	5.5	6.0		10.0	2.5	
11-12			8.0	6.0	7.0			10.0			6.0	3.0	4.5		6.5		5.5	3.0					2.0
12-13			10.5		5.5			9.0			5.0	2.0	5.0		2.0		2.5	5.5		4.5	4.5		
13-14	6.0	4.0			4.0					8.5	3.5	6.5	5.5			3.0	5.0	2.5			8.5		
14-15		7.5			2.5				10.5		2.5	5.0	5.5		3.5		2.5	5.0		9.0			
15-16			3.5						9.0		7.0	4.0	6.0	2.0		4.5	5.0	2.0		2.0	3.0	3.5	
16-17			6.0						8.0	7.5	5.5	2.5	6.5	2.5	5.0		2.0	4.5			7.5		3.0
17-18			8.0					10.5			4.5			2.5		6.0	4.5	2.0	3.5	6.5		2.5	
18-19	3.5		10.0			10.5		9.5			3.0	6.0		3.0		2.0		4.5			2.0		
19-20								8.0			2.0	5.0		3.5	2.5		4.0				6.0		
20-21		3.0		2.5					11.0		6.5	3.5		4.0		3.5		4.0			4.0	10.5	
21-22	10.0	7.0	3.5			10.0	11.0		9.5		5.0	2.5		4.0	4.0		4.0						4.0
22-23		11.0	5.5				10.0		8.5		4.0	7.0		4.5		5.0	6.5	3.5		8.5	4.5	3.5	
23-24			8.0		11.0		9.5	11.0			3.0	5.5		5.0	5.5		3.5	6.0		2.0	9.0		2.5
24-25			10.0		9.5	9.5	9.0	10.0		11.0		4.5		5.5		6.5	6.0	3.5				2.0	
25-26					8.0		8.0	8.5			6.0	3.0		5.5		2.0	3.0	6.0		6.5	3.5		
26-27	7.0				6.5		7.5				5.0	2.0	2.0	6.0	3.0		5.5	3.0			7.5		
27-28		2.5	3.5		5.0	9.0			10.0	10.0	3.5	6.5	2.5	6.5		4.0	3.0	5.5					
28-29		6.5	5.5		3.5				9.0		2.5	5.5	2.5		4.5		5.5	2.5		4.0	2.0		4.0
29-30		10.0	7.5		2.0						7.0	4.0	3.0			5.5	2.5	5.0			6.5	3.0	
30-31			9.5			8.0		10.5		9.5	5.5	3.0	3.5		6.0		5.0	2.5		8.5			2.5

	RV	V	SW	WW	ZZ	AE	BR	CG	DK	KR	KV	V346	V387	V388	V401	V456	V466	V466	V477	V548	V704	1034	W	
	CRV	CRT	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL
MAX	9.0	9.5	9.3	9.9	10.7	11.8	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	
MIN	10.0	10.2	11.8	13.2	12.0	12.8	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	
DUR	4	4	5	5	4	4	4	3	4	4	5	5	3	3	4	3	4	4	4	5	4	4	7	
TOT			2																				2	
																			(S)					
0- 1				5.0	5.5								7.0		4.5	7.0		6.5				10.5		
1- 2			2.5					6.5	11.0		3.5				8.5	4.5			6.5		4.0	10.0		
2- 3					2.5		9.0		9.5	8.0		8.5	5.0			2.0	8.5					7.5	9.5	
3- 4					9.0			4.0	8.0	4.5				11.0	2.5						10.5	9.0	8.5	
4- 5								10.0	6.5				3.0	7.5	6.5			11.0					8.5	
5- 6					6.0				5.0			2.0	10.0	4.0	10.5		3.5					4.0	8.0	
6- 7							9.0	7.5	3.5											11.0	7.0	7.5		
7- 8					3.5				2.5	9.5			8.0		4.0	10.0		5.5			10.5	6.5		
8- 9	4.5				9.5			5.0		6.0				8.0	7.5				7.5	6.5		6.0	4.0	
9-10									11.0	2.5			6.0			5.0	7.5					3.5	5.5	
10-11			6.0	3.5	7.0		9.0	2.5	9.5					8.0	2.0	2.5					2.0	7.0	5.0	
11-12	4.0							8.5	8.0				4.0	4.5	6.0			10.0				10.5	4.5	
12-13					4.0				6.5					11.0	10.0			2.5					4.0	
13-14					10.5			6.0	5.0	7.5		7.5	2.5									3.5	3.5	
14-15	4.0					11.0	9.0		4.0	4.0			9.0		4.0			4.5				7.0	3.0	
15-16		2.0			7.5	10.5		3.5	2.5		8.0				8.0	10.5			8.5			10.5	2.5	
16-17						9.5		10.0					7.0	8.0		8.0	6.5						2.0	
17-18	3.5				5.0	9.0			11.0					5.0	2.0	5.5					7.0	3.5		
18-19					11.0	8.0	9.0	7.5	9.5	9.5	4.5		5.5		6.0	3.0		8.5				7.0		
19-20			9.5		2.0	7.5			8.0	5.5					10.0						2.5	10.0		
20-21	3.5			2.5	8.0	6.5		5.0	6.5	2.0			3.5				11.0							
21-22						6.0		11.0	5.0				10.0		4.0			3.5				3.5		
22-23		2.5			5.5	5.0	9.0	2.0	4.0					8.5	8.0				9.5			6.5		
23-24	3.0			10.0		4.5		8.5	2.5	11.0				8.5	5.0		11.0	5.5				10.0		
24-25					2.5	3.5				7.5		7.0			2.0	8.5								
25-26					9.0	3.0		6.0	11.0	3.5				6.5	6.0	6.0		7.5				3.0		
26-27	2.5					2.0	8.5		9.5						9.5	3.5					7.5	6.5		
27-28					6.0			3.5	8.0				4.5				10.0		2.0		10.0		9.5	
28-29						9.5		6.5						9.0	3.5			2.5			3.0			
29-30	2.5	3.0			3.5				5.5	9.0			2.5	5.5	7.5				10.5			3.0		
30-31					9.5		8.5	7.0	4.0	5.5			9.5	2.0			4.5					6.5		

	TT	TY	YY	FZ	Z	RZ	TW	UZ	UZ	AI	BH	S	TZ	YY	YY	WW	AL	RX	SZ	TT	TU	UX	CC
	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA	DRA	DRA	EQU	ERI	ERI	ERI	GEM	GEM	HER	HER	HER	HER	HER	HER
MAX	10.6	9.6	11.0	10.2	10.8	10.0	7.8	9.9	9.9	7.2	8.0	8.0	9.8	8.4	8.4	9.8	9.3	7.1	10.2	9.7	10.6	8.9	9.5
MIN	12.5	10.8	12.0	11.3	13.6	10.9	9.5	10.7	10.7	8.2	8.6	10.0	12.6	9.1	9.1	10.5	10.0	7.7	12.0	10.4	13.4	9.8	12.8
DUR	5	4	4	3	4	3	5	5	5	4	5	5	4	3	3	4	4	5	4	4	5	5	4
TOT							1						1								1		
									(S)						(S)								
0- 1			4.0		10.0					6.0	4.5							3.0	10.5	5.5			
1- 2									8.5	10.5				10.5					6.5	3.5			
2- 3				9.5		4.0	3.5							9.5					2.0				
3- 4			8.0	4.0	3.5	6.5																	
4- 5		3.5	3.0			9.0						6.0									7.5		
5- 6		8.0													11.0				8.5			3.0	5.0
6- 7				7.5			6.0			5.5					10.0	10.5			4.0				
7- 8			7.0	2.0	5.0	3.0				10.5	11.0							6.0					
8- 9			2.0			5.5														10.5			5.5
9-10				10.5		8.0					6.5								10.5	8.5			
10-11		2.5		5.5		10.5								10.5			11.0		6.5	6.5			
11-12		7.0	6.5		7.0				3.5		2.0	3.0	9.5	9.5					2.0	4.5	3.0	8.0	
12-13						2.0				5.5										2.0			3.5
13-14	8.5			8.5		4.5	9.0			10.5											9.0		
14-15			10.5	3.5		7.0			10.0						11.0			8.5	8.5			10.5	
15-16			5.5		8.5	9.5									10.0				4.0				
16-17	5.5						4.5											3.5					
17-18		6.0		6.5																			8.0
18-19		10.5	9.5			3.5				5.5	8.5								10.5				
19-20	2.5		4.5		10.5	6.0	7.0		10.0					10.5					6.5	9.5		2.0	2.0
20-21				9.5		8.5				4.5				9.5					2.0	7.0	4.5		
21-22				4.5		10.5					10.5									5.0			
22-23			9.0		3.5															3.0	11.0	4.0	
23-24		4.5	4.0			2.5									11.0			6.0	8.5				
24-25		9.5		7.5		5.0		4.5	5.5			10.5		10.0					4.0				6.5
25-26				2.5		7.5			10.0														6.5
26-27			8.0		5.0	9.5																	
27-28			3.0	11.0			10.0		11.0		10.5								10.5				
28-29				5.5								7.5		10.5					6.5				9.0
29-30		3.5				4.0		2.0			6.5			9.5					2.0	10.0	6.0		
30-31		8.0	7.0		7.0	6.5	5.5			5.0								9.0		8.0			

	CT	DI	DI	HS	HS	LT	V728	AV	DF	DF	SW	SW	VX	AW	CM	CO	CO	DG	GX	Y	UU	UV	VZ
	HER	HER	HER	HER	HER	HER	HER	HYA	HYA	HYA	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LAC	LEO	LEO	LEO	LEO
MAX	9.9	8.4	8.4	8.5	8.5	10.7	10.9	10.2	11.0	11.0	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
MIN	11.2	9.1	9.1	9.0	9.0	11.1	11.5	10.6	11.5	11.5	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
DUR	4	6	6	4	4	4	3	4	4	4	3	3	4	5	4	5	5	4	6	5	4	3	4
TOT				(S)	(S)				(S)		(S)				(S)								
0- 1				9.0			8.5				5.5	2.0					8.5						
1- 2							7.0				5.0	8.5		4.0	3.0	3.5		8.0					2.0
2- 3							6.0				4.0	8.0		7.0								4.0	
3- 4				7.5			4.5				3.0	7.0		10.5			10.5						
4- 5					3.5	2.0	3.0				2.0	6.0			8.0	5.5				3.0			
5- 6						4.0			2.0		9.0	5.0							8.0			4.0	
6- 7	5.5					6.5		2.5	2.0		8.0	4.0											
7- 8					10.0	8.5	10.0				7.0	3.0	3.0			8.0							
8- 9				5.0			9.0				6.0	2.5	5.0									4.0	
9-10							7.5				5.5	9.0	6.5	4.0	3.5								
10-11							6.0				4.5	8.0	8.5	7.0		10.0		4.0					
11-12							4.5				3.5	7.5	10.0	10.5			3.5					4.0	
12-13					8.0		3.5				2.5	6.5			8.5			9.0					
13-14	9.0	8.0		3.0			2.0				9.5	5.5											2.0
14-15											8.5	4.5					6.0					4.0	
15-16	4.0						10.5				7.5	3.5										4.0	
16-17				9.5			9.0				6.5	3.0											
17-18					6.0	2.5	8.0				5.5	2.0		4.0	4.0		8.0					4.0	
18-19						4.5	6.5				5.0	8.5		7.0		3.0							
19-20						6.5	5.0	2.0			4.0	7.5		10.5									
20-21						8.5	3.5				3.0	7.0			9.0		10.0					4.0	
21-22				7.5			2.5				2.0	6.0	2.5			5.0		5.0					
22-23	7.5			4.0							9.0	5.0	4.0								2.0		
23-24							11.0				8.0	4.0	6.0				10.0					4.0	
24-25	2.0						9.5				7.0	3.0	7.5			7.0		10.0		10.0			
25-26					10.5		8.0		2.0		6.0	2.5	9.5	4.0	4.5								
26-27				5.5			6.5		2.0		5.0	9.0		7.0								4.0	
27-28					1.5		5.5				4.5	8.0		10.5		9.0					3.0		
28-29							4.0				3.5	7.5			9.5		3.0						
29-30							2.5				2.5	6.5										4.0	
30-31					8.5	2.5					9.5	5.5				11.0							

	WZ	XY	XZ	AM	T	RR	SS	DELT	RY	UZ	EW	FL	U	SX	V501	V508	V839	1010	EF	EF	EQ	ER	ER
	LEO	LEO	LEO	LEO	LMI	LEP	LIB	LIB	LYN	LYR	LYR	LYR	OPH	OPH	OPH	OPH	OPH	OPH	ORI	ORI	ORI	ORI	ORI
MAX	11.3	9.5	10.6	9.2	10.2	10.2	10.4	4.8	11.9	9.8	11.2	8.7	5.8	10.5	10.9	10.1	8.8	6.2	12.6	12.6	10.3	9.5	9.5
MIN	12.0	9.9	11.2	9.8	12.6	10.9	11.3	5.9	13.3	11.0	13.6	9.5	6.5	11.2	11.8	10.7	9.4	7.0	14.1	12.8	13.3	10.2	10.2
DUR	5	2	3	3	6	4	6	7	4	5	5	4	5	5	4	3	3	4	6	6	4	3	3
TOT																							
																				(S)			(S)
0- 1		3.5					2.0								4.5	9.5	9.5	3.0					
1- 2				2.0				7.0	3.5	8.5			7.5		3.5	2.0	5.0				10.5		11.0
2- 3		3.0		4.0											3.0	2.5	10.5	2.5					
3- 4										6.0					2.0	3.5	6.5						
4- 5		3.0														4.5	2.0	2.0	10.5				
5- 6	3.5			2.5					11.0	3.0						5.0	7.5						
6- 7		2.5										3.0	8.0			6.0	3.0	2.0					
7- 8							6.5									7.0	8.5						
8- 9		2.5						6.5				7.5				7.5	4.0				10.0	10.5	
9-10				3.0												8.5	9.5						
10-11		2.0					3.5									9.5	5.0						
11-12									4.5				9.0			2.0	10.5						
12-13		2.0	3.5													2.5	6.5						11.0
13-14			3.0	3.5												3.5	2.0	8.5					
14-15			2.5													4.5	7.5						
15-16			2.0					6.0								5.0	3.0	8.0					
16-17				1.5									9.5			6.0	8.5						
17-18				4.0							10.5				4.0	7.0	4.0	7.5					
18-19										9.0			2.0			7.5	9.5						
19-20											9.5	5.0		5.5		8.5	5.0	7.5				10.5	
20-21				2.5		11.0	5.0				6.5					9.5	10.5						
21-22											8.5	9.0		7.0		2.0	6.0	7.0		10.5			
22-23								5.5		3.5					10.5	2.5	2.0						
23-24							2.0				7.0		2.5	8.5	10.0	3.5	7.5	6.5					
24-25				3.0					2.5						9.0	4.5	3.0						
25-26		3.5									6.0				8.5	5.0	8.5	6.0					
26-27															7.5	6.0	4.0						
27-28		3.5			2.0						4.5				7.0	7.0	9.5	6.0					
28-29				3.5									3.5		6.0	7.5	5.0						
29-30	2.0	3.0						5.0			3.5				5.5	8.5	10.5	5.5					
30-31					2.5		6.5					2.0			4.5	9.0	6.0						11.0

	ET	FH	FR	FT	FZ	FZ	GU	GU	U	U	TY	UX	AQ	AQ	AQ	BB	BB	BG	BX	DI	GP	Z	RT
	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PEG	PER	PER
MAX	11.2	10.5	11.0	9.1	10.7	10.7	12.6	12.6	9.7	9.7	10.5	10.7	10.3	10.3	10.3	10.6	10.6	10.5	10.9	9.6	10.2	9.9	10.6
MIN	12.4	11.5	11.9	9.7	11.3	11.3	13.5	13.5	10.5	10.5	12.6	12.0	13.0	13.0	13.0	11.2	11.2	11.8	11.5	10.8	11.0	12.4	12.0
DUR	5	5	4	4	3	3	4	4	3	3	6	5	12	12	12	3	3	4	3	2	4	6	4
TOT													5	5	5			1				2	
					(S)		(S)		(S)				(2)		(3)		(S)						
0- 1					11.0				8.5			5.5				7.0	3.0	5.5	6.5	5.0			
1- 2				11.0						7.0						9.0	5.0		2.5				
2- 3					11.0	10.5			5.5	10.0						2.5	7.0	4.5	5.5	8.5			
3- 4				11.0					8.5			7.5				4.5	9.0		1.5				9.0
4- 5					11.0					7.0			3.0	5.5	8.0	6.5	11.0	3.0	4.5				5.5
5- 6				11.0					5.5	10.0						8.5	4.5		7.5	4.5			
6- 7					11.0		10.5		8.5			9.5				10.5	6.5		4.0		10.5		
7- 8	10.0	11.0		11.0						7.0						4.0	8.5		6.5	8.0	10.0		
8- 9					11.0				5.5	10.0						6.0	10.5		3.0		9.5		
9-10				11.0					8.5							8.0	4.0		6.0		9.0		8.0
10-11					11.0	10.5				7.0						10.0	6.0		2.0	4.5	8.5		
11-12				11.0					5.0	9.5						3.5	8.0		5.0		8.0		
12-13					11.0				8.0							5.5	10.0		8.0	7.5	7.0		
13-14				11.0						6.5						7.5	3.0		4.0		6.5		
14-15	10.5				11.0		10.5		5.0	9.5		3.0				9.5	5.0		7.0	11.0	6.0	4.0	10.0
15-16			10.5	11.0					8.0				5.5	7.5	10.0	3.0	7.5		3.0	4.0	5.5		6.5
16-17					11.0					6.5						5.0	9.5		6.0		5.0		
17-18				11.0					5.0	9.5		5.0				7.0	2.5		2.0	7.0	4.5	5.0	
18-19					11.0	10.5			8.0							9.0	4.5		5.0		3.5		
19-20				11.0					11.0	6.5						2.5	6.5		8.0	10.5	3.0		
20-21					11.0				5.0	9.5		7.0				4.5	8.5		4.5		2.5	6.5	9.0
21-22				11.0					8.0							6.5	11.0		7.0				5.0
22-23		11.0			11.0		10.5		11.0	6.5						8.5	4.0		3.5	6.5			
23-24				11.0					5.0	9.5		9.5				10.5	6.0		6.5			8.0	
24-25					11.0				8.0							4.0	8.0		2.5	10.0			
25-26				11.0					11.0	6.5						6.0	10.0		5.5				11.0
26-27					11.0	10.5			5.0	9.5			7.5	10.0		8.0	3.5		8.5			9.0	7.5
27-28				11.0					8.0		5.5					10.0	5.5		4.5	6.5			
28-29					11.0				11.0	6.5						3.5	7.5		7.5				
29-30				11.0					5.0	9.5						5.5	9.5		3.5	9.5		10.5	
30-31					11.0		10.5		8.0		7.5					7.5	3.0		6.5				

	ST	XZ	IQ	IQ	IT	IU	KW V432	BETA	Y	RV	U	V505	1968	RS	AO	CC	CC	Y	RW	RZ	TY	WY	
	PER	PER	PER	PER	PER	PER	PER	PER	PSC	PSC	SGE	SGR	SGR	SER	SER	SER	SER	SEX	TAU	TAU	TAU	TAU	
MAX	9.7	10.6	7.7	7.7	9.9	10.5	10.5	11.0	2.2	9.0	11.3	6.4	6.4	12.3	10.8	10.6	11.1	11.1	9.8	8.0	10.5	11.5	11.5
MIN	13.2	12.7	8.3	7.9	10.5	11.6	11.5	11.7	3.5	12.0	12.0	9.1	7.6	13.3	11.5	12.1	11.7	11.7	10.2	12.5	11.2	12.0	11.7
DUR	5	4	5	5	4	5	4	3	8	7	3	6	5	4	4	4	4	4	3	4	3	2	4
TOT	1											2								1			
				(S)														(S)					
0- 1							8.0	8.0							5.0	6.5							
1- 2	10.5			10.0			6.5						2.0	4.0	2.0	7.5							
2- 3			8.5		7.0	10.5	4.5	6.0	5.0	5.0	6.5		5.0	9.0		8.0	2.0	2.5		10.0			
3- 4						7.0	3.0	9.5				3.0	8.0			9.0	2.5				9.0		
4- 5										10.5		7.5		4.0			3.5				11.0		
5- 6		6.0			8.5			7.5						8.5			4.0						
6- 7		10.0						11.0					3.5		8.5		5.0						
7- 8								5.5		5.0			6.5	3.5	6.0		6.0			10.0			
8- 9				9.0	10.0	10.5		9.0		7.5			9.5	8.5	3.0		6.5		8.5			10.0	
9-10	9.5		8.0			7.0				10.0							7.5						
10-11								7.0				5.5	2.0	3.5		2.0	8.0	2.0					
11-12								10.5				10.0	5.0	8.0		2.5	9.0						
12-13							10.5	5.0		4.5	9.5		8.0			3.5				9.5			
13-14		7.5					9.0	8.5		7.0				3.0	9.5	4.0							
14-15						10.5	7.0			9.5				8.0	6.5	5.0							
15-16				8.5		7.0	5.5	6.5					3.5		3.5	6.0		3.0					
16-17			7.5				4.0	10.0	8.5			3.5	6.5	3.0		6.5							
17-18	8.0						2.0		6.5			8.0	10.0	7.5		7.5				9.0	9.5	10.0	
18-19								8.0		6.5						8.0	2.0					11.0	
19-20									5.5	9.5	4.0		2.5	2.5		9.0	2.5		10.0	11.0			
20-21		5.5				10.5		6.0					5.5	7.5			3.5						
21-22		9.0				7.0		10.0					8.5		7.5		4.0						
22-23				8.0	5.5									2.5	4.5		5.0				9.0		
23-24			7.0					8.0		6.5		5.5		7.0			5.5	2.5					
24-25										9.0		10.0	4.0				6.5				11.0		
25-26	6.5				7.0			6.0					7.0	2.5			7.5						
26-27						10.5	9.5	9.5						7.0		2.0	8.0						10.0
27-28						7.0	8.0									2.5	9.0				8.5		
28-29		7.0			8.5		6.5	7.5		6.0			2.5	2.0	8.5	3.5							
29-30		10.5		7.5			5.0	11.0		8.5	7.5	3.5	5.5	7.0	5.5	4.0				10.5			
30-31			6.0				3.0	5.5				8.0	8.5		2.5	5.0							

	AC	AQ	CT	EQ	EQ	HU	V	X	RS	RV	W	W	TY	TY	UX	UX	VV	XZ	ZZ	AF	W	RU	VV	
	TAU	TAU	TAU	TAU	TAU	TAU	TRI	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMI	UMI	VIR
MAX	10.5	12.0	10.2	10.3	10.3	6.0	10.9	8.9	10.3	11.4	9.1	9.1	11.7	11.7	12.7	12.7	10.1	10.1	9.8	10.8	8.6	10.7	11.7	
MIN	12.3	12.9	11.5	11.0	11.0	6.8	11.9	12.0	11.0	12.5	9.9	9.9	12.4	12.4	13.8	13.8	11.0	11.7	11.2	11.6	9.7	11.4	13.5	
DUR	6	5	5	3	3	6	4	4	4	4	3	3	3	3	1	1	3	3	4	8	7	4	4	
TOT																								

	(S)											(S)				(S)							
0- 1				8.5								5.5	1.5	5.5	10.0	2.0	6.5	8.0					9.0
1- 2	11.0		10.5	9.5			6.5		7.0	9.5	6.0	2.0	7.0	3.0	6.5	11.0						10.0	5.5
2- 3				10.0			10.5				6.0	2.0	8.5	4.5	10.5	6.0	9.5						3.0
3- 4			10.5	10.5					5.0		6.0	2.0	10.0	6.0	5.5	10.0	2.0	6.5	5.5				
4- 5		9.5		11.0			5.0			10.0	6.0	2.0	3.0	7.5	10.0	5.0	11.0			5.5	9.0		
5- 6			10.5		7.5		9.0				6.0	2.0	5.0	9.0	4.5	9.5	3.5					2.5	6.0
6- 7					8.0						6.0	2.0	6.5	2.0	9.0	4.5					2.0	3.5	3.5
7- 8			10.5		8.5			10.5		10.5	6.0	2.0	8.0	3.5	4.0	8.5	5.0						5.0
8- 9					9.5		7.0	10.0			6.0	2.0	9.5	5.0	8.0	3.5						6.0	
9-10			11.0		10.0			9.5			6.0	2.0	2.5	6.5	3.0	8.0	6.5					7.0	6.5
10-11					10.5			8.5		10.5	6.0	2.0	4.0	8.0	7.5	2.5				3.0		8.5	3.5
11-12			11.0		11.0		5.5	8.0		5.0	6.0	2.0	5.5	9.5	2.5	7.0	8.0				4.5	9.5	
12-13				7.5			9.5	7.0			6.0	2.0	7.0	2.5	6.5	2.0			10.0			10.5	
13-14			11.0	8.0		9.0		6.5		11.0	6.0	2.0	8.5	4.0	11.0	6.0	9.5						
14-15				8.5				6.0		5.0	6.0	2.0	10.0	5.5	6.0	10.5	2.0	6.5					4.0
15-16		8.0	11.0	9.0		10.0	7.5				6.0	2.0	3.0	7.5	10.0	5.5	11.0					1.5	
16-17				10.0							6.0	2.0	4.5	9.0	5.0	9.5	3.5				7.0	3.0	
17-18			11.0	10.5						5.5	6.0	2.0	6.0	2.0	9.5	4.5						4.0	
18-19				11.0			6.0				6.0	2.0	7.5	3.5	4.0	9.0	5.0					5.5	4.5
19-20			11.0		7.5		10.0				6.0	2.0	9.0	5.0	8.5	4.0		3.5	7.5			6.5	2.0
20-21					8.0				9.0	6.0	6.0	2.0	2.0	6.5	3.5	8.0	6.5					7.5	
21-22		10.0	11.0		8.5						6.0	2.0	3.5	8.0	7.5	3.0					9.5	9.0	
22-23					9.0		8.0		7.0		6.0	2.0	5.0	9.5	2.5	7.5	8.0					10.0	5.0
23-24			11.0		9.5					6.0	6.0	2.0	6.5	2.5	7.0	2.0					2.5		2.0
24-25					10.5				5.0		6.0	2.0	8.5	4.0	2.0	6.5	9.5						
25-26			11.0		11.0		6.5				6.5	2.5	10.0	5.5	6.0	11.0	2.0	6.5		6.5			
26-27							10.5			6.5	6.5	2.5	3.0	7.0	10.5	5.5	11.0		5.0			2.5	5.0
27-28			11.0	8.0							6.5	2.5	4.5	8.5	5.5	10.0	3.5					3.5	2.5
28-29					8.5		4.5				6.5	2.5	6.0	10.0	9.5	5.0					5.0	4.5	
29-30			11.0	9.0			9.0			7.0	6.5	2.5	7.5	3.0	4.5	9.5	5.0					6.0	
30-31					9.5						6.5	2.5	9.0	4.5	9.0	4.0		3.5				7.0	5.5

	AG	AH	AH	AK	AW	AW	AX	AZ	AZ	BH	MS	MS	NY	Z	AW	AX	AY	BE	BO	BS	BT	BU	CD	
	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL
MAX	8.8	9.7	9.7	10.0	10.8	10.8	10.0	11.0	11.0	9.9	9.4	9.4	13.3	7.4	10.8	11.0	11.0	9.9	10.4	11.0	11.8	10.6	11.5	
MIN	9.4	10.2	10.2	11.5	11.9	11.9	10.8	11.8	11.8	11.3	9.7	9.7	14.2	9.2	11.9	12.5	12.9	11.4	13.3	11.5	12.5	11.4	12.6	
DUR	4	4	4	4	3	3	4	3	3	4	3	3	1	6	5	5	4	5	4	3	3	3	4	
TOT																								
			(S)		(S)			(S)				(S)												
0- 1			3.0		3.0		3.0			2.0	5.5	4.0		10.0					4.5		7.5	5.5		
1- 2		3.5			4.5		4.0		2.5		4.0	4.0		5.5					3.0		10.5			
2- 3	5.5		4.0		2.0	6.0		5.5				2.5	2.0							2.0			6.5	
3- 4		4.5			3.5		6.5	2.0		5.0			2.0	11.0								3.5		
4- 5	3.5		5.0		5.0		3.5		3.5	3.5			2.5		11.0		9.0		10.5	11.0		7.0	8.0	
5- 6		5.5			6.5	2.0		4.5	4.5	2.0	5.5	2.5		6.5						10.0	4.5	10.5		
6- 7	2.0				3.5	6.5		6.0			4.0	3.0						3.0	9.0	9.0	8.0		9.0	
7- 8					5.0		2.5				2.5	3.0								7.5		3.5		
8- 9		2.0		5.5	2.5		4.0			5.0		3.5	9.0						8.0	6.5		6.5	10.5	
9-10			2.5		3.5		2.0	5.0		6.5	3.5		3.5		7.0		4.5	5.5		5.5		10.0	2.5	
10-11		3.0			5.0		6.5	2.0	2.0	2.0	5.5	4.0		2.5						6.5	4.0			
11-12	5.5		3.0		2.5	4.5		3.5			4.0	4.0									3.0	3.0	4.0	
12-13		3.5			4.0		4.5				2.5	2.0						8.0	5.5	2.0		6.0		
13-14	3.5		4.0		5.5		5.5		4.5			2.0	7.0	8.0								4.5	9.5	5.0
14-15		4.5		4.5	2.5		2.5	7.0	4.0	3.0		2.5		3.0					4.0	11.0	8.0			
15-16	2.0		5.0		4.0		4.0			1.5	5.5	2.5						10.5		10.0		2.5	6.5	
16-17		5.5			5.5		2.5	5.0			4.0	3.0							10.5		2.5	8.5	6.0	
17-18					3.0		6.0	2.0			2.5	3.0			8.5					7.5		9.0	7.5	
18-19					4.5	5.0		3.0	6.0	4.5		3.5	4.5	4.0						6.5				
19-20		2.0			6.0		4.5		3.0			3.5								5.5		2.0	9.0	
20-21	5.0		2.5	3.5	3.0		5.5				5.5	4.0						2.5		4.0		5.5		
21-22		3.0			4.5		2.5	6.5			4.0	4.0			9.5	2.5	6.0			3.0	4.0	8.5	10.0	
22-23	3.5		3.5		6.0	2.0	3.5				2.5	2.0			5.0					2.0	7.5		2.5	
23-24		4.0			3.5	3.0	5.0		3.5	4.5		2.0	2.5			3.0		5.0			11.0			
24-25	1.5		4.0		5.0	3.0	6.0	2.0		3.0		2.5								11.0		5.0	3.5	
25-26		4.5			6.5	5.5		3.0			5.5	2.5		10.0	4.0					10.0		8.5		
26-27			5.0	3.0	3.5		4.0				4.0	3.0		5.5			2.0	7.5		8.5			5.0	
27-28		5.5			5.0		5.5	5.5			2.5	3.0				4.5				7.5				
28-29					2.5		2.5	6.5		4.5		3.5								6.5		4.5	6.0	
29-30	5.0				4.0		3.5			3.0		3.5		11.0	5.0		10.0			5.0	4.0	8.0		
30-31		2.0			5.5	3.5	4.5				5.5	4.0			6.5					4.0	7.5	11.0	7.5	