

	RT	TW	WZ	XZ	AB	YZ	OO	V342	V343	V346	RY	CX	WW	WW	Y	SV	AL	RZ	TV	AB	U	XX	EG	SS	R	UU	U	V	W	W	RV	Y	SW	WW	ZZ	BR
	AND	AND	AND	AND	AND	AQL	AQL	AQL	AQL	AQL	AQR	AQR	AUR	AUR	CAM	CAM	CAM	CAS	CAS	CAS	CEP	CEP	CEP	CET	CMA	CMA	CRB	CRT	CRV	CRV	CRV	CYG	CYG	CYG	CYG	CYG
MAX	9.3	8.8	11.6	10.0	9.3	9.3	9.2	9.0	10.6	9.0	8.8	10.7	5.7	5.7	10.6	8.6	10.5	6.4	7.3	10.2	6.7	8.5	9.6	9.4	6.2	10.0	7.6	9.5	10.6	10.6	9.0	7.0	9.3	9.9	10.7	9.4
MIN	10.2	11.0	12.6	13.0	10.2	11.2	10.1	12.5	12.3	10.4	10.1	12.0	6.4	6.4	12.4	9.4	11.3	7.8	8.4	12.2	9.8	9.6	10.6	13.0	6.8	12.5	8.8	10.2	11.2	11.2	10.0	7.6	11.8	13.2	12.0	10.5
DUR	3	11	4	3	3	7	3	7	4	4	5	3	5	5	10	3	5	4	4	4	4	4	3	5	4	5	5	4	4	4	4	6	5	5	4	4

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0-1	2.5		6.0		6.5							1.0	4.5		4.5	6.5			6.5						9.0				10.0	9.5					0.5
1-2	9.0			4.0	6.5							3.5		11.0		9.0		2.5			3.5	6.5	1.5				8.5	9.5					10.5		
2-3			8.5		6.5													7.5					3.5						8.5		1.5				
3-4	6.0		1.0		6.5						2.0				3.5								6.0				11.0	8.0		9.0				4.0	5.5
4-5					6.0			1.0	2.0	1.5					8.0	6.0		10.0	9.0				8.0		2.5				7.5					10.5	
5-6	3.5		3.0	6.0	6.0						1.5	1.0	6.0										10.0						11.0		1.5			1.5	
6-7	9.5				6.0										3.5			2.5		5.5	3.0				6.5			10.5		9.0					
7-8	0.5		5.0		6.0						0.5			3.5	7.0		2.0	2.5					1.5		4.5				10.0						5.5
8-9	7.0				6.0										11.5	5.5	6.5	1.0	11.0			6.5	3.5		8.0	10.5		9.0	9.0		1.5			5.0	
9-10			7.5	7.5	5.5								0.5		2.0		11.5						5.5		11.5				8.5	8.5					11.0
10-11	4.0				5.5						1.0	7.0		11.0	6.5								7.5				10.5	11.5	7.5						2.0
11-12	10.5		9.5		5.5						4.0				10.5				5.0	2.5		10.0						11.5	7.0		1.0				5.0
12-13	1.5		2.0	1.0	5.5										1.0	5.5													11.0	8.5					
13-14	7.5			9.5	5.5										5.5		1.5	11.5											10.0					4.0	5.5
14-15			4.0		5.0					0.5				2.0	10.0		6.0													9.5		1.0			11.5
15-16	5.0				5.0					3.0	1.0	8.0						11.0	7.0	7.0		7.0	5.5		3.5		9.0	8.5			3.5		2.5	5.0	
16-17	11.0		6.5	2.5	5.0						4.0				4.5	5.0					2.5		7.5		7.0				8.0				11.5		
17-18	2.0			11.0	5.0									1.5	9.0				2.5				9.5		10.0		8.5		7.5		1.0				
18-19	8.5		8.5		5.0															1.0									11.5					6.0	
19-20			1.0		4.5								3.0		4.0		1.0		9.5				1.0		6.5				10.5						5.0
20-21	5.5			4.0	4.5						1.5	9.5		9.0	8.5	4.5	5.5						3.0						10.0		1.0			3.5	
21-22			3.0		4.5	1.5					4.0						10.5				2.0		5.0		10.5				9.0						
22-23	3.0	3.0			4.5										3.0				3.0		7.0	7.5					9.5	8.5						0.5	
23-24	9.0		5.0		4.5										7.5								9.5							1.0		2.5	7.0	5.0	
24-25				6.0	4.0								4.5		4.0		8.5						11.5		5.5				11.5			7.0			
25-26	6.5		7.5		4.0				2.0		1.5	10.5			2.0		0.5						0.5		9.0			11.0						4.0	
26-27		6.0			4.0						4.0				6.5		5.0	4.0	5.5	1.5			3.0						10.0		0.5				
27-28	3.5		9.5		4.0										11.0		9.5						5.0						9.5					1.5	5.0
28-29	10.0		2.0	7.5	4.0		0.5	1.5							1.5	4.0							7.0						9.0					7.5	
29-30	1.0				3.5		1.0						5.5		6.0	11.5						7.5	9.0	9.5			10.0				0.5				
30-31	7.0	9.0	4.0		3.5		1.0				1.5			7.0	10.0					8.0			11.5												5.0

	CG	V346	V387	V477	W	TT	TY	YY	FZ	Z	TW	UZ	UZ	AI	YY	YY	RW	SZ	TU	CT	AV	SW	VX	CM	SS	EW	FL	RU	RU	RW	BO	SX	EQ	ER	FL	U	
	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA	ERI	ERI	GEM	HER	HER	HER	HYA	LAC	LAC	LAC	LIB	LYR	LYR	LYR	MON	MON	MON	MON	OPH	ORI	ORI	ORI	PEG
MAX	11.0	11.8	11.5	8.3	9.4	10.6	9.6	11	10.2	10.8	7.8	9.9	9.9	7.2	8.4	8.4	9.6	10.2	10.6	9.9	10.2	9.2	10.9	8.5	10.4	11.2	8.7	10.6	10.6	9.1	10.8	10.5	10.3	9.5	10.5	9.7	
MIN	11.8	13.6	12.3	9.2	12.7	12.5	10.8	12	11.3	13.6	9.5	10.7	10.7	8.2	9.1	9.1	11.6	12.0	13.4	11.2	10.6	10.0	12.3	9.5	11.3	13.6	9.5	11.3	11.3	11.9	12.1	11.2	13.3	10.2	13.2	10.5	
DUR	3	5	3	4	7	5	4	4	3	4	5	5	5	4	3	3	5	4	5	4	4	3	4	4	6	5	4	5	5	5	5	5	4	3	3	3	
															(S)	(S)																					
0-1	3.0									4.5			6.5		6.5	3.0											10.5	6.5					5.5		4.5		
1-2							2.0								6.0	2.0		10.0	10.5		7.0	6.0											1.5	5.0			
2-3	0.5	4.0							1.5						5.0	1.0	6.5					5.0											8.0	8.0		1.5	
3-4											9.5			2.0	4.0	0.5		1.0			8.0	4.0	0.5	2.5							11.5		4.5		4.5		
4-5		2.0				1.0				6.5				6.5	3.5	7.0						3.0	2.0									2.0	1.0	7.5			
5-6	4.5				1.5		1.0					4.0		11.5	2.5	6.5	3.5				9.0	2.0	4.0			11.0			7.5				7.5		1.5		
6-7		0.0									4.5				1.5	5.5						1.5	5.5	7.5									3.5		4.5		
7-8	1.5			2.0											0.5	4.5					10.5	0.5					10.5		11.0				10.0	10.0			
8-9		0.5								8.0		10.5			7.5	3.5												10.5			5.5			6.5		1.5	
9-10		5.0					0.5	2.5						2.0	6.5	3.0					10.5	11.5	6.5			3.5			8.5			7.5	3.0		4.5		
10-11													1.5	6.5	6.0	2.0			9.5			4.0	5.5								11.0			9.5			
11-12		3.0									1.5			11.5	5.0	1.0								3.5						6.5			1.5	5.5		1.5	
12-13	3.0										10.0				4.0	0.5		1.0				5.0	3.5					11.5				2.0	1.5		4.5		
13-14		1.5							0.5				7.5		3.5	7.0									11.0					4.0				8.5			
14-15	0.5														2.5	6.5						6.5	1.5										5.0		1.5		
15-16										3.0				1.5	1.5	5.5			1.0			1.0								2.0			1.0	4.0		4.5	
16-17		6.0						3.5		11.5				6.5	1.0	4.5						7.5	7.5									7.0	7.5				
17-18	4.0					3.5					10.0			11.0	7.5	4.0														3.0			4.0			1.0	
18-19		4.5										5.0			7.0	3.0					9.0	6.0	1.5					4.5					1.0	10.5	6.5	4.0	
19-20	1.5		1.0							4.5					6.0	2.0	11.0					5.0	3.0	4.0		2.5				8.5			6.5		7.0		
20-21		2.5					3.0	2.0			5.5				5.0	1.0						10.0	4.0	5.0			1.0						3.0			1.0	
21-22												11.5		1.5	4.0	0.5		1.0								1.0							9.5	9.0		4.0	
22-23	5.0	0.5												6.5	3.5	7.0	8.0					11.0	2.0				5.5						6.0		7.0		
23-24						2.5				6.5	1.0		2.5	11.0	2.5	6.5														5.5			7.0	2.0		1.0	
24-25	2.5							2.0							1.5	5.5																	8.5	11.5		4.0	
25-26		5.5		4.0											1.0	4.5	4.5				5.0	7.0					8.5					1.0	5.0		7.0		
26-27			2.0									9.0			7.5	4.0																	1.5	0.5		1.0	
27-28	6.5	5.5	3.5						3.0	8.0				1.5	7.0	3.0						6.0	5.5		4.5								8.0		4.0		
28-29					1.0		1.0								6.0	6.0	2.0	1.5												10.0	6.0			4.0		7.0	
29-30	4.0	1.5				1.5								11.0	5.0	1.5						7.0	3.5										0.5	3.0		1.0	
30-31										1.5					4.5	0.5		1.0											9.5	8.0	11.5		6.5	7.0		4.0	

	TY	AQ	Z	RT	RV	ST	XZ	beta	Y	U	V505	RW	AC	AM	V	X	RV	W	TX	VV	XZ	RU	AG	BU
	PEG	PEG	PER	PER	PER	PER	PER	PER	PSC	SGE	SGR	TAU	TAU	TAU	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMI	VIR	VUL
MAX	10.5	10.3	9.9	10.6	10.3	9.7	10.6	2.2	9.0	6.4	6.4	8.0	10.5	10.4	10.9	8.9	11.4	9.1	6.8	10.1	10.1	10.7	8.8	10.6
MIN	12.6	13.0	12.4	12.0	12.7	13.2	12.7	3.5	12.0	9.1	7.6	12.5	12.3	12.3	11.9	12.0	12.5	9.9	8.9	11.0	11.7	11.4	9.4	11.4
DUR	6	10	6	4	8	5	4	8	7	6	5	4	6	4	4	4	4	3	6	3	3	4	4	3

0-1				3.0	5.0		3.5								8.0	4.0	4.5	3.0		11.0	1.0	6.5		
1-2																3.0		3.0		3.5	6.5	8.0		3.0
2-3			6.0		2.5										2.5	2.5		3.0				9.0	11.0	
3-4				9.5				0.5							6.5	2.0	5.0	3.0		5.0		10.0		
4-5				6.0	1.5							9.0				1.0		3.5				11.5	9.0	
5-6			7.0	2.5			3.5								0.5	0.5		3.5		6.5				2.5
6-7					1.0		7.0								4.5		5.0	3.5			4.0	1.0	7.5	
7-8		0.5					10.5					3.5			8.5			3.5		8.0	9.0	2.5		
8-9			8.5		0.5	4.0												3.5		0.5		3.5	6.0	
9-10				8.5											3.0		5.5	3.5		9.5		4.5		2.0
10-11				5.0						1.5					7.0			3.5		2.0		6.0		
11-12			10.0	1.0														3.5		11.0	1.0	7.0	11.0	
12-13							1.5								1.0		6.0	3.5		3.5	6.5	8.5		
13-14						11.0	5.0								5.0			3.5				9.5	9.0	2.0
14-15			11.0	10.5			8.5	11.5	3.0						9.5			3.5		5.0		10.5		
15-16				7.0								11.0	0.5				6.0	3.5					7.5	
16-17	1.5			3.5		2.5					0.5			0.5	3.5		0.5	3.5		6.5		0.5		
17-18							8.5						1.5		7.5			3.5			4.0	1.5		1.5
18-19		2.5										5.5		1.5			6.5	3.5		8.0	9.0	3.0		4.5
19-20	4.0												2.5		1.5		0.5	3.5		0.5		4.0		
20-21				9.5			3.0	5.5						2.5	5.5			3.5		9.5		5.5	11.0	
21-22				6.0		9.5	6.5						3.5		10.0		7.0	3.5		2.0		6.5		1.0
22-23	6.0			2.0			10.0							3.5			1.0	3.5		11.0	1.0	7.5	9.0	4.5
23-24							2.0						4.5		4.0			3.5		3.5	6.5	9.0		
24-25					1.0								4.5	8.0		7.0	3.5					10.0	7.5	
25-26												5.5			10.0	1.5	3.5	3.0	5.0		11.5			0.5
26-27				8.0										5.5	2.0	9.5		3.5						4.0
27-28				4.5			0.5						6.5		6.0	8.5	7.5	4.0		6.5		1.0		
28-29				1.0			4.5						6.5	10.5	8.0	1.5	4.0	4.5			4.0	2.5		
29-30		5.0				8.5	8.0	4.5		0.5	7.5	7.5			0.5	7.5		4.0		8.0	9.0	3.5	11.0	
30-31							11.5							8.0	4.5	6.5	8.0	4.0		0.5		4.5		3.5

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	beta	RW	AM	V	X	RV	W	TX	VV	XZ	RU	AG	BU
	PER	TAU	TAU	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMI	VIR	VUL
MAX	2.2	8.0	10.4	10.9	8.9	11.4	9.1	6.8	10.1	10.1	10.7	8.8	10.6
MIN	3.5	12.5	12.3	11.9	12.0	12.5	9.9	8.9	11.0	11.7	11.4	9.4	11.4
DUR	8	4	4	4	4	4	3	6	3	3	4	4	3

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

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	W	TX	VV	XZ	RU	AG	BU
	UMA	UMA	UMA	UMA	UMI	VIR	VUL
MAX	9.1	6.8	10.1	10.1	10.7	8.8	10.6
MIN	9.9	8.9	11.0	11.7	11.4	9.4	11.4
DUR	3	6	3	3	4	4	3

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

	RT	WZ	XZ	AB	OO	V342	V343	V346	WW	Y	SV	AL	RZ	TV	AB	U	XX	EG	R	UU	U	V	W	W	RV	WW	ZZ	BR	CG	V346	V387	W	TY	YY	FZ	Z	
	AND	AND	AND	AND	AQL	AQL	AQL	AQL	AUR	CAM	CAM	CAM	CAS	CAS	CAS	CEP	CEP	CEP	CMA	CMA	CRB	CRT	CRV	CRV	CRV	CRV	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DRA
MAX	9.3	11.6	10.0	9.3	9.2	9.0	10.6	9.0	5.7	10.6	8.6	10.5	6.4	7.3	10.2	6.7	8.5	9.6	6.2	10.0	7.6	9.5	10.6	10.6	9.0	9.9	10.7	9.4	11.0	11.8	11.5	9.4	9.6	11	10.2	10.8	
MIN	10.2	12.6	13.0	10.2	10.1	12.5	12.3	10.4	6.4	12.4	9.4	11.3	7.8	8.4	12.2	9.8	9.6	10.6	6.8	12.5	8.8	10.2	11.2	11.2	10.0	13.2	12.0	10.5	11.8	13.6	12.3	12.7	10.8	12	11.3	13.6	
DUR	3	4	3	3	3	7	4	4	5	10	3	5	4	4	4	4	4	3	4	5	5	4	4	4	4	5	4	4	3	5	3	7	4	4	3	4	

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

	TW	UZ	UZ	AI	YY	YY	RW	SZ	TU	CT	AV	SW	VX	CM	SS	delt	T	EW	FL	RU	RU	RW	BO	U	SX	EQ	ER	FL	Z	RT	ST	XZ	beta	U	RW	AC	
	DRA	DRA	DRA	DRA	ERI	ERI	GEM	HER	HER	HER	HYA	LAC	LAC	LAC	LIB	LIB	LMI	LYR	LYR	MON	MON	MON	MON	OPH	OPH	ORI	ORI	ORI	PER	PER	PER	PER	PER	PER	SGE	TAU	TAU
MAX	7.8	9.9	9.9	7.2	8.4	8.4	9.6	10.2	10.6	9.9	10.2	9.2	10.9	8.5	10.4	4.8	10.2	11.2	8.7	10.6	10.6	9.1	10.8	5.8	10.5	10.3	9.5	10.5	9.9	10.6	9.7	10.6	2.2	6.4	8.0	10.5	
MIN	9.5	10.7	10.7	8.2	9.1	9.1	11.6	12.0	13.4	11.2	10.6	10.0	12.3	9.5	11.3	5.9	12.6	13.6	9.5	11.3	11.3	11.9	12.1	6.5	11.2	13.3	10.2	13.2	12.4	12.0	13.2	12.7	3.5	9.1	12.5	12.3	
DUR	5	5	5	4	3	3	5	4	5	4	4	3	4	4	6	7	6	5	4	5	5	5	5	5	5	5	4	3	3	6	4	5	4	8	6	4	6
			(S)			(S)																															

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

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	AM	V	X	RV	W	VV	XZ	RU	AG	BU
	TAU	TRI	TRI	TRI	UMA	UMA	UMA	UMI	VIR	VUL
MAX	10.4	10.9	8.9	11.4	9.1	10.1	10.1	10.7	8.8	10.6
MIN	12.3	11.9	12.0	12.5	9.9	11.0	11.7	11.4	9.4	11.4
DUR	4	4	4	4	3	3	3	4	4	3

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

	PZ	Z	TW	UZ	UZ	AI	YY	RW	SZ	TU	CT	AV	SW	VX	CM	SS	delt	T	EW	FL	RU	RW	BO	U	SX	ER	FL	RT	RV	XZ	U	V505	RV	W	TX	VV
	DEL	DRA	DRA	DRA	DRA	DRA	ERI	GEM	HER	HER	HER	HYA	LAC	LAC	LAC	LIB	LIB	LMI	LYR	LYR	MON	MON	MON	OPH	OPH	ORI	ORI	PER	PER	PER	SGE	SGR	TRI	UMA	UMA	UMA
MAX	10.2	10.8	7.8	9.9	9.9	7.2	8.4	9.6	10.2	10.6	9.9	10.2	9.2	10.9	8.5	10.4	4.8	10.2	11.2	8.7	10.6	9.1	10.8	5.8	10.5	9.5	10.5	10.6	10.3	10.6	6.4	6.4	11.4	9.1	6.8	10.1
MIN	11.3	13.6	9.5	10.7	10.7	8.2	9.1	11.6	12.0	13.4	11.2	10.6	10.0	12.3	9.5	11.3	5.9	12.6	13.6	9.5	11.3	11.9	12.1	6.5	11.2	10.2	13.2	12.0	12.7	12.7	9.1	7.6	12.5	9.9	8.9	11.0
DUR	3	4	5	5	5	4	3	5	4	5	4	4	3	4	4	6	7	6	5	4	5	5	5	5	5	3	3	4	8	4	6	5	4	3	6	3

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

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	XZ	RU	AG	BU
	UMA	UNI	VIR	VUL
MAX	10.1	10.7	8.8	10.6
MIN	11.7	11.4	9.4	11.4
DUR	3	4	4	3

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

	TT	TY	YY	FZ	Z	TW	UZ	UZ	AI	SZ	TU	CT	AV	SW	VX	CM	SS	delt	EW	FL	U	SX	U	TY	AQ	Z	RT	XZ	U	V505	V	W	TX	VV	XZ	RU
	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA	HER	HER	HER	HYA	LAC	LAC	LAC	LIB	LIB	LYR	LYR	OPH	OPH	PEG	PEG	PEG	PER	PER	PER	SGE	SGR	TRI	UMA	UMA	UMA	UMA	UMI
MAX	10.6	9.6	11	10.2	10.8	7.8	9.9	9.9	7.2	10.2	10.6	9.9	10.2	9.2	10.9	8.5	10.4	4.8	11.2	8.7	5.8	10.5	9.7	10.5	10.3	9.9	10.6	10.6	6.4	6.4	10.9	9.1	6.8	10.1	10.1	10.7
MIN	12.5	10.8	12	11.3	13.6	9.5	10.7	10.7	8.2	12.0	13.4	11.2	10.6	10.0	12.3	9.5	11.3	5.9	13.6	9.5	6.5	11.2	10.5	12.6	13.0	12.4	12.0	12.7	9.1	7.6	11.9	9.9	8.9	11.0	11.7	11.4
DUR	5	4	4	3	4	5	5	5	4	4	5	4	4	3	4	4	6	7	5	4	5	5	3	6	10	6	4	4	6	5	4	3	6	3	3	4

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0-1														8.0	7.0										6.5				8.0	6.5								
1-2					5.5	3.5						8.5		7.0		8.5							8.5													6.5		
2-3			8.5	5.5						8.0				6.5			7.0												5.5							6.5		
3-4			3.5									3.5		5.5								5.5														6.5		
4-5		8.0					4.5		8.0	5.0				4.5										8.0												6.5	6.5	
5-6				8.5	7.0																		4.0				7.0								6.5		4.5	
6-7	5.5		7.5												4.0	6.5			6.5								3.5	4.0						6.5	4.5	5.5		
7-8																							5.5	8.0	7.5					8.5	6.5				6.5	6.5		
8-9										7.0			3.5	8.5								6.5												6.5	6.0	8.0		
9-10				6.5										7.5			6.5												7.5					6.5		4.0		
10-11		6.5	7.0						8.0			7.0	4.5	6.5					8.5														6.5	7.5				
11-12														6.0														4.5						6.5			6.5	
12-13							8.0							6.0	5.0					7.0														6.5			6.5	
13-14										5.0					4.5							7.0												6.5			6.5	
14-15			6.0											6.5	4.5				6.0															6.5			6.5	
15-16						4.5								8.0															5.5					7.0		7.0	3.5	
16-17		5.5		7.5	4.0				7.5								8.0	6.0	4.5								8.0						7.0			5.0		
17-18						5.5			7.0					8.0						3.5														7.0		4.5	6.0	
18-19			5.0						5.0					7.0						3.5		8.0												7.0			7.5	
19-20										5.5				6.0			5.0				8.0						8.0							7.0		6.0	8.5	
20-21				5.5	5.5									5.5																					7.0			4.0
21-22																													8.0					7.0	4.0	7.5		
22-23									7.5	5.0							5.0													8.0				7.0			7.0	
23-24													4.5						5.5																7.0			7.0
24-25					7.0																													7.0	5.5			7.0
25-26			8.5											5.5	8.5																			7.0			7.0	
26-27	8.0									7.0				7.5																				7.0		7.0	4.0	5.5
27-28				7.0						6.5			6.5	6.5																				7.0		7.0		5.5
28-29									7.5		3.5		5.5	5.5																					7.0		4.5	6.5
29-30		8.0	7.5			5.5								7.5		6.5												4.5					7.0				8.0	

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	AG	BU
	VIR	VUL
MAX	8.8	10.6
MIN	9.4	11.4
DUR	4	3

0- 1		8.0
1- 2	4.5	
2- 3		
3- 4		4.5
4- 5		8.0
5- 6		
6- 7	8.0	
7- 8		4.0
8- 9	6.5	7.5
9-10		
10-11	4.5	
11-12		3.5
12-13		7.0
13-14		
14-15		
15-16	8.0	
16-17		6.5
17-18	6.5	
18-19		
19-20	4.5	
20-21		6.0
21-22		
22-23		
23-24		
24-25	8.0	6.0
25-26		
26-27	6.0	
27-28		
28-29	4.5	5.5
29-30		

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	VV	XZ	RU	AG	BU
	UMA	UMA	UMI	VIR	VUL
MAX	10.1	10.1	10.7	8.8	10.6
MIN	11.0	11.7	11.4	9.4	11.4
DUR	3	3	4	4	3

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

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	Y	U	V505	RW	AC	AM	V	X	RV	W	TX	VV	XZ	RU	AG	BU
	PSC	SGE	SGR	TAU	TAU	TAU	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMI	VIR	VUL
MAX	9.0	6.4	6.4	8.0	10.5	10.4	10.9	8.9	11.4	9.1	6.8	10.1	10.1	10.7	8.8	10.6
MIN	12.0	9.1	7.6	12.5	12.3	12.3	11.9	12.0	12.5	9.9	8.9	11.0	11.7	11.4	9.4	11.4
DUR	7	6	5	4	6	4	4	4	4	3	6	3	3	4	4	3

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

	RT	TW	WZ	XZ	AB	XZ	OO	V342	V343	V346	CX	WW	WW	ZZ	Y	SV	AL	RW	RZ	TV	AB	U	XX	EG	SS	R	U	W	W	Y	SW	WW	ZZ	BR	CG	V346		
	AND	AND	AND	AND	AND	AQL	AQL	AQL	AQL	AQL	AQR	AUR	AUR	BOO	CAM	CAM	CAM	CAP	CAS	CAS	CAS	CEP	CEP	CEP	CET	CMA	CRB	CRV	CRV	CYG	CYG	CYG	CYG	CYG	CYG	CYG		
MAX	9.3	8.8	11.6	10.0	9.3	9.3	9.2	9.0	10.6	9.0	10.7	5.7	5.7	6.8	10.6	8.6	10.5	9.8	6.4	7.3	10.2	6.7	8.5	9.6	9.4	6.2	7.6	10.6	10.6	7.0	9.3	9.9	10.7	9.4	11.0	11.8		
MIN	10.2	11.0	12.6	13.0	10.2	11.2	10.1	12.5	12.3	10.4	12.0	6.4	6.4	7.6	12.4	9.4	11.3	10.8	7.8	8.4	12.2	9.8	9.6	10.6	13.0	6.8	8.8	11.2	11.2	7.6	11.8	13.2	12.0	10.5	11.8	13.6		
DUR	3	11	4	3	3	7	3	7	4	4	3	5	5	5	10	3	5	6	4	4	4	4	4	3	5	4	5	4	4	6	5	5	4	4	3	5		
												(S)	(S)																									
0- 1					5.5		9.5									8.0	8.5							10.0					6.5		7.5	2.0	3.0					
1- 2	3.0		10.5	3.0	5.5					3.5	2.5												8.5											10.0	9.0			
2- 3	9.5		3.0		5.0					6.0	5.5				4.0	3.0		5.5						1.0		4.5					9.5	4.5						
3- 4					5.0					8.5	8.0		9.0			7.5				3.0		7.5			3.5				6.5			10.5		6.5				
4- 5	6.5		5.5		5.0												8.0		8.0	7.0				5.5								2.0	2.0					
5- 6				5.0	5.0		4.5									2.0								7.5					9.0		8.0	10.0	4.0					
6- 7	4.0		7.5		4.5			10.0		3.0						6.5				2.5				10.0				6.5						10.5	10.5			
7- 8	10.0				4.5					5.5											9.5	11.0										5.0		1.5				
8- 9	1.5		9.5		4.5				6.0	8.0		10.5			1.0	7.5							8.5		10.5							2.0	8.0					
9-10	7.5		2.0	6.5	4.5	2.0									5.5				2.5					3.0			2.5		6.5			2.5	10.0		4.0			
10-11					4.5				2.5						10.0				7.5		3.5			5.5							8.5		5.5					
11-12	4.5		4.5		4.0	5.5				2.5	3.0													7.5														
12-13					4.0	1.5			5.0	5.5					2.0	5.0	7.5					10.5		9.5	10.0				6.5		8.5	6.0	2.0	2.5				
13-14	2.0		6.5	8.5	4.0	9.0	2.0		7.5	8.5						9.5					8.5												10.0	9.0				
14-15	8.0	3.0			4.0	2.0			10.0													5.5											3.0					
15-16			8.5		4.0	2.5	8.5								9.5	4.0			2.0	4.0			9.0	3.0	9.5			6.5			9.5		6.5					
16-17	5.5			1.5	3.5	3.0				3.0			5.5		8.5	7.0			7.0					5.0									2.0					
17-18			10.5	10.0	3.5	3.0				5.5																						6.5	10.0	4.0	9.5			
18-19	3.0	6.0	3.0		3.5	3.5				8.5					3.0						8.0				9.5	9.0			6.0					10.0				
19-20	9.0				3.5	4.0			8.0						7.5		4.5													2.0		4.0		1.5				
20-21			5.5	3.0	3.5	4.0											6.5															10.0	1.5	7.5	3.5			
21-22	6.5				3.0	4.5		4.0	1.5	3.0			5.5		2.5			1.5	2.0					2.5	8.5			6.0					9.5					
22-23		9.0	7.5		3.0	4.5	3.0		4.0	6.0	7.5				7.0				6.0	10.0	10.5	10.0	9.0	5.0							7.5	7.5		5.0				
23-24	3.5				3.0	5.0				6.5	8.5																											
24-25	9.5		9.5	5.0	3.0	1.5	5.5		9.0						1.5	6.0				5.5					9.0	7.5		6.0				4.5	1.5	2.5				
25-26			2.0		3.0	5.5									7.5	6.0																	10.5	9.5	9.0			
26-27	7.0				2.5	5.0	6.0			3.0			5.0		10.5												8.5					2.0						
27-28			4.5		2.5	6.5				6.0	9.0																							8.0		6.0		
28-29	4.5		6.5	2.5	8.0	6.5				8.5					5.0	6.0				5.5				4.5									1.5		9.0			
29-30	10.5		6.5		2.5	7.0									9.5		9.0	10.5															5.0	9.5	3.5			

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	VJ387	V477	W	TT	TY	YY	FZ	Z	TW	UZ	UZ	AI	YY	YY	RW	SZ	TU	CT	SW	VX	CM	SS	delt	EW	FL	RW	U	SX	EQ	ER	FL	U	TY	AQ	Z	RT	
	CYG	CYG	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA	ERI	ERI	GEM	HER	HER	HER	LAC	LAC	LAC	LIB	LIB	LYR	LYR	MON	OPH	OPH	ORI	ORI	ORI	PEG	PEG	PEG	PER	PER		
MAX	11.5	8.3	9.4	10.6	9.6	11	10.2	10.8	7.8	9.9	9.9	7.2	8.4	8.4	9.6	10.2	10.6	9.9	9.2	10.9	8.5	10.4	4.8	11.2	8.7	9.1	5.8	10.5	10.3	9.5	10.5	9.7	10.5	10.3	9.9	10.6	
MIN	12.3	9.2	12.7	12.5	10.8	12	11.3	13.6	9.5	10.7	10.7	8.2	9.1	9.1	11.6	12.0	13.4	11.2	10.0	12.3	9.5	11.3	5.9	13.6	9.5	11.9	6.5	11.2	13.3	10.2	13.2	10.5	12.6	13.0	12.4	12.0	
DUR	3	4	7	5	4	4	3	4	5	5	5	4	3	3	5	4	5	4	3	4	4	6	7	5	4	5	5	5	4	3	3	3	6	10	6	4	
												(S)		(S)																							
0-1				8.5			7.0	4.0		6.0			8.0						1.5				4.5		3.0		7.0				10.0						
1-2	7.5	8.5					1.5						7.0		9.0			8.0				1.5	9.5											4.0			
2-3						8.5						6.0	6.5	10.0	5.0		6.0	7.5		10.0			3.5					9.0						7.0			
3-4	5.5		5.5		3.5	10.0						10.5		9.5		6.5		6.5																10.0		8.0	
4-5		9.0					5.0	6.0						8.5				5.5					2.5												4.0		4.5
5-6	3.5			5.5					3.0					7.5				4.5							4.0			8.0						7.0			
6-7	10.5		2.5	10.0	7.5								10.5	7.0		7.0		3.5	2.0													8.5	10.0				
7-8	2.0				2.5	8.0		9.5					10.0			2.5		3.0	3.5	5.5																4.0	
8-9	8.5	9.5					3.0	7.5			9.5	5.5	9.0					2.0	5.5						10.5		2.0		7.5		7.0	1.5	4.0		10.5		
9-10			4.5									10.5	8.0					8.5	7.0		4.0														10.0	7.0	
10-11	6.5				7.0			5.0					7.0		9.0	2.0		7.5	9.0	10.5					2.5	4.5	3.5		10.0				4.0		3.0		
11-12				4.5	2.0	6.0							10.0	10.5	5.0		4.5	7.0	10.5															7.0	4.0		
12-13	5.0			9.0			9.5							9.5		8.0		6.0							7.0		5.0								9.5		
13-14		2.0							7.0					8.5				5.0										9.0						3.5			
14-15	3.0				6.0	9.0						5.5	7.5	7.0				4.0														6.5	6.0		9.0		
15-16	9.5	10.5				4.0	2.5					10.5	10.5		7.0			3.0		6.0					5.5									9.5		5.5	
16-17													10.0		2.5			2.5										8.5					3.5		2.0		
17-18	8.0			3.5	10.0								9.0					1.5															6.5	8.5			
18-19				8.0	5.0	7.0			4.5				8.0					8.0																9.5			
19-20	6.0					2.0	4.0						7.5		9.0	3.5		7.0			5.5							7.5				3.5		6.0			
20-21		3.0										5.5	10.5		5.0		2.5	6.5		1.5						6.0						6.5	10.5		8.0		
21-22	4.0				9.5	10.5		10.5		10.5	10.0			9.5		10.0		5.5	3.0														10.5	9.5		4.0	
22-23					4.5	5.0								8.5				4.5	4.5		2.5												3.5		2.0		
23-24	2.0		8.0	2.5			6.0		1.5									3.5	6.5	7.0					4.0						10.0	6.5					
24-25	9.0			7.0				5.5					10.5		7.0			2.5	8.0													9.5			9.5		
25-26					8.5	8.5							10.0		2.5			2.0	10.0						8.5	7.0							3.5		3.0	10.0	
26-27	7.0		5.0		3.5	3.0		8.0				5.0	9.0					8.5															6.5		6.5		
27-28		4.0					7.5					10.0	8.0				6.0	7.5										8.5				9.5			3.0		
28-29	5.0	10.0													9.0	5.0		7.0		2.5												3.5			4.5		
29-30			2.0	1.5	7.5	6.5							10.5		4.5			6.0						10.5		9.5						6.5					

	ST	XZ	beta	Y	U	V505	RW	AC	AM	V	X	RV	W	TX	VV	XZ	RU	AG	BU
	PER	PER	PER	PSC	SGE	SGR	TAU	TAU	TAU	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMI	VIR	VUL
MAX	9.7	10.6	2.2	9.0	6.4	6.4	8.0	10.5	10.4	10.9	8.9	11.4	9.1	6.8	10.1	10.1	10.7	8.8	10.6
MIN	13.2	12.7	3.5	12.0	9.1	7.6	12.5	12.3	12.3	11.9	12.0	12.5	9.9	8.9	11.0	11.7	11.4	9.4	11.4
DUR	5	4	8	7	6	5	4	6	4	4	4	4	3	6	3	3	4	4	3

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

	U	TY	AQ	Z	RT	RV	ST	XZ	beta	Y	U	V505	RW	V	X	RV	W	TX	VV	XZ	RU	BU
	PEG	PEG	PEG	PER	PER	PER	PER	PER	PER	PSC	SGE	SGR	TAU	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMI	VUL
MAX	9.7	10.5	10.3	9.9	10.6	10.3	9.7	10.6	2.2	9.0	6.4	6.4	8.0	10.9	8.9	11.4	9.1	6.8	10.1	10.1	10.7	10.6
MIN	10.5	12.6	13.0	12.4	12.0	12.7	13.2	12.7	3.5	12.0	9.1	7.6	12.5	11.9	12.0	12.5	9.9	8.9	11.0	11.7	11.4	11.4
DUR	3	6	10	6	4	8	5	4	8	7	6	5	4	4	4	4	3	6	3	3	4	3

0- 1	0.5		8.5					11.5						1.0	4.0		1.0		8.5		5.5	2.5
1- 2	3.5			6.0	9.0	10.5								5.0	3.0		1.0		1.0		7.0	6.0
2- 3	6.5				5.0				10.0			1.5		9.5	2.5	6.5	1.0		10.0	1.5	8.0	9.0
3- 4	9.5				1.5	10.0						6.0			2.0	0.5	1.0	7.5	2.5	7.0	9.5	
4- 5	3.5		7.5							3.5				3.5	1.0		1.0		11.5		10.5	2.0
5- 6	6.5					9.5	7.0	2.0	6.5					7.5		7.0	1.0		4.0			5.5
6- 7	9.5				11.0			5.5								1.0	1.0	9.0				9.0
7- 8	3.5		8.5	7.5	8.5			9.0						1.5		1.0			5.5		1.5	
8- 9	6.5			4.0					3.5				6.0	5.5		7.0	1.0			4.5	2.5	2.0
9-10	9.5					8.0						3.5		10.0		1.5	1.5	10.5	7.0	9.5	4.0	5.0
10-11	3.5		10.0														1.5				5.0	8.5
11-12	6.5					7.5								4.0		7.5	1.5		8.5		6.5	
12-13	9.5	2.0			10.0					6.0				8.0		1.5	1.5		1.0		7.5	1.5
13-14	3.5			11.5	6.0	6.5	6.0	3.5									1.5		10.0	1.5	8.5	4.5
14-15	6.5				2.5			7.0		6.5				2.0		8.0	1.5		2.5	7.0	10.0	8.0
15-16	9.5	4.0				6.0		10.5				1.5		6.5		2.0	1.5		11.5		11.0	
16-17	3.5									0.5		6.0		10.5			1.5		4.0			1.0
17-18	6.0					5.5										8.5	1.5				1.0	4.5
18-19	9.0	6.5			8.5									4.5		2.5	1.5		5.5		2.0	7.5
19-20	3.0				5.0	5.0							8.0	8.5			1.5				3.5	11.0
20-21	6.0				1.5			1.0								8.5	1.5		7.0	9.5	4.5	0.5
21-22	9.0	8.5				4.0	4.5	5.0		1.0				2.5		2.5	1.5				5.5	4.0
22-23	3.0							8.5				4.0		7.0			1.5		8.5		7.0	7.0
23-24	6.0				11.0	3.5								11.0	11.5	9.0	1.5		1.0		8.0	10.5
24-25	9.0	11.0			7.0									1.0	10.5	3.0	1.5		10.0	1.5	9.5	
25-26	3.0				3.5	3.0			8.5					5.0	10.0		1.5		2.5	7.0	10.5	3.5
26-27	6.0													9.0	9.5	9.5	1.5		11.5			7.0
27-28	9.0									7.5					8.5	3.5	1.5		4.0			10.0
28-29	3.0	2.5						2.5	5.0			2.0		3.5	8.0		1.5				1.5	
29-30	6.0				9.5		3.0	6.5				6.5		7.5	7.5	9.5	1.5		5.5		2.5	3.0
30-31	9.0				6.0			10.0					10.0	11.5	6.5	4.0	1.5				4.0	6.5

AAVSO Eclipsing Binary Ephemeris for November 2003

all times U.T.

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	RT	TW	WZ	XZ	AB	XZ	OO	V342	V343	V346	CX	WW	WW	Y	SV	AL	RW	RZ	TV	AB	U	XX	EG	R	UU	U	V	W	W	Y	SW	WW	ZZ	BR	CG	V346	
	AND	AND	AND	AND	AND	AQL	AQL	AQL	AQL	AQL	AQR	AUR	AUR	CAM	CAM	CAM	CAP	CAS	CAS	CAS	CEP	CEP	CEP	CMA	CMA	CRB	CRT	CRV	CRV	CYG	CYG	CYG	CYG	CYG	CYG	CYG	
MAX	9.3	8.8	11.6	10.0	9.3	9.3	9.2	9.0	10.6	9.0	10.7	5.7	5.7	10.6	8.6	10.5	9.8	6.4	7.3	10.2	6.7	8.5	9.6	6.2	10.0	7.6	9.5	10.6	10.6	7.0	9.3	9.9	10.7	9.4	11.0	11.8	
MIN	10.2	11.0	12.6	13.0	10.2	11.2	10.1	12.5	12.3	10.4	12.0	6.4	6.4	12.4	9.4	11.3	10.8	7.8	8.4	12.2	9.8	9.6	10.6	6.8	12.5	8.8	10.2	11.2	11.2	7.6	11.8	13.2	12.0	10.5	11.8	13.6	
DUR	3	11	4	3	3	7	3	7	4	4	3	5	5	10	3	5	6	4	4	4	4	4	3	4	5	5	4	4	4	6	5	5	4	4	3	5	
												(S)																		(S)	(S)						
0- 1			6.5		7.0		5.5				4.0		11.0		10.5	11.0							10.0				11.5						6.5	9.0	8.0	7.0	
1- 2	3.5			5.0	7.0		5.5				6.5				0.5				7.0	2.0	7.0	2.5		6.0			11.0			3.0							
2- 3	9.5		8.5		7.0					2.5					5.0					10.5			1.0					5.0			4.0			5.5			
3- 4	0.5		1.0		6.5					5.0					9.5	2.5	2.0	2.5				11.0	3.5		10.0		10.5				10.0	1.0		1.0			
4- 5	7.0		10.5		6.5						1.5	6.0			10.5			7.0					5.5								1.0	9.0	3.0				
5- 6			3.0	7.0	6.5			5.0			4.0				4.0			11.5		4.5			7.5	8.5				5.0			7.5						
6- 7	4.0				6.5						6.5				8.5						7.0		9.5													0.5	
7- 8	10.5		5.5		6.5								7.0		2.5												11.0				4.5	1.0	7.0				
8- 9	1.5				6.0				3.0						3.5	10.0						3.0	1.0						5.0	9.5			9.0				
9-10	7.5		7.5	8.5	6.0						1.5	7.0			8.0		2.0	1.5		6.5			3.0										2.0		4.5		
10-11					6.0	3.0					4.0							6.5	8.5			11.0	5.0			11.0						8.0					
11-12	5.0		9.5		6.0						6.5				2.5	2.0		11.0			6.5		7.5					4.5		2.0		1.0	1.5	6.5			
12-13	11.0		2.0	1.5	6.0					1.5					7.0	10.0			4.0	0.5			9.5								5.5	9.0	8.0				
13-14	2.0		11.5	10.5	5.5					4.0					11.5				9.0				11.5	7.5			11.5										
14-15	8.5		4.5		5.5					6.5	1.5	8.0			1.5								0.5	11.0				4.5		9.5	2.5		5.5	0.5			
15-16					5.5						4.0				6.0	1.5	1.0					3.5	3.0								9.0	1.0					
16-17	5.5		6.5	3.5	5.5						7.0				10.5	9.5	6.0		3.0	6.0			5.0		10.0							9.0	3.0				
17-18					5.5								5.0	1.0			10.5		11.5			11.5	7.0			3.5	11.5		4.5		6.0		9.0				
18-19	3.0		8.5		5.0										5.5									9.5												0.5	
19-20	9.0	2.0	1.0		5.0				4.5		1.5	9.5			10.0	1.0			10.0				11.5								3.5	1.0	6.5				
20-21			10.5	5.0	5.0						4.0				9.0					5.0			0.5					4.5			9.5	9.0					
21-22	6.5		3.0		5.0					1.0					7.0			4.5		0.5	5.5		6.0								1.0	0.5	4.0				
22-23					4.5		0.5	4.0		0.5					9.0				5.0				3.5	5.0	9.5					3.0	6.5				6.0		
23-24	3.5	5.0	5.5		4.5		0.5			3.0			4.5		1.0		10.0	1.0										4.5				1.0	1.5				
24-25	10.0			7.0	4.5		1.0			5.5	1.5	10.5			3.5	8.5				7.5			11.5	9.0		1.0				8.5	4.0	9.0	8.0				
25-26	1.0		7.5		4.5	2.5	1.5				4.5				8.0									11.0								10.0					
26-27	7.0				4.5		1.5				7.0						1.0				5.5							4.5			1.0		5.5				
27-28		8.0	9.5		4.0	6.0	2.0				9.5		3.0	3.0	0.5						1.0										7.5	1.0					
28-29	4.5		2.0	8.5	4.0		2.0						5.5		7.5	8.5		4.5	11.5	10.0			4.5									9.0	2.5				
29-30	10.5		11.5		4.0		2.5				1.5				11.5			9.5					4.0	6.5		10.0			4.0		4.5			9.0			

	AQ	Z	RT	RV	ST	XZ	beta	Y	U	V505	RW	AC	AM	V	X	RV	W	TX	VV	XZ	RU	AG	BU
	PEC	PER	PER	PER	PER	PER	PER	PSC	SGE	SGR	TAU	TAU	TAU	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMI	VIR	VUL
MAX	10.3	9.9	10.6	10.3	9.7	10.6	2.2	9.0	6.4	6.4	8.0	10.5	10.4	10.9	8.9	11.4	9.1	6.8	10.1	10.1	10.7	8.8	10.6
MIN	13.0	12.4	12.0	12.7	13.2	12.7	3.5	12.0	9.1	7.6	12.5	12.3	12.3	11.9	12.0	12.5	9.9	8.9	11.0	11.7	11.4	9.4	11.4
DUR	10	6	4	8	5	4	8	7	6	5	4	6	4	4	4	4	3	6	3	3	4	4	3

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

	BR	CG	V346	V387	V477	W	TT	TY	YY	FZ	Z	TW	UZ	UZ	AI	YY	YY	RW	SZ	TU	CT	AV	SW	VX	CM	delt	EW	FL	RU	RU	RW	BO	EQ	ER	FL	U
	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA	ERI	ERI	GEM	HER	HER	HER	HYA	LAC	LAC	LAC	LIB	LYR	LYR	MON	MON	MON	MON	ORI	ORI	ORI	PEG
MAX	9.4	11.0	11.8	11.5	8.3	9.4	10.6	9.6	11	10.2	10.8	7.8	9.9	9.9	7.2	8.4	8.4	9.6	10.2	10.6	9.9	10.2	9.2	10.9	8.5	4.8	11.2	8.7	10.6	10.6	9.1	10.8	10.3	9.5	10.5	9.7
MIN	10.5	11.8	13.6	12.3	9.2	12.7	12.5	10.8	12	11.3	13.6	9.5	10.7	10.7	8.2	9.1	9.1	11.6	12.0	13.4	11.2	10.6	10.0	12.3	9.5	5.9	13.6	9.5	11.3	11.3	11.9	12.1	13.3	10.2	13.2	10.5
DUR	4	3	5	3	4	7	5	4	4	3	4	5	5	5	4	3	3	5	4	5	4	4	3	4	4	7	5	4	5	5	5	5	4	3	3	3
																(S)																				(S)
0-1		0.0							4.5	3.5	3.0					7.5	4.0						3.5										2.0	7.0		2.5
1-2	1.0	6.5		6.5				4.5			11.5					3.5	7.0	3.0				11.0	2.5	1.0	7.0					7.0	8.0		3.5		5.5	
2-3														4.5	8.5	6.0	2.0		0.0				1.5	2.5										9.5	5.0	
3-4		4.0	5.0	4.5							10.0					5.0	1.5						0.5	4.5				5.5		5.0			6.0		2.5	
4-5					5.5	2.5		3.5	1.5	4.5						4.5	0.5						7.5	6.0			1.5						2.5		5.5	
5-6	0.5	1.5		3.0									11.0			3.5	7.5						6.5	8.0		11.5				2.5		7.5	9.0	7.5	8.5	
6-7												5.0				2.5	6.5	9.5	2.5			6.0	5.5		2.5		5.5						5.0		2.5	
7-8				1.0			3.5		4.5			2.0		3.5	1.5	5.5			11.5				4.5									1.5	1.5		5.5	
8-9		5.0		7.5				2.5		6.5				8.5	1.0	4.5						7.0	4.0						6.5				8.0	10.0	8.5	
9-10	0.5											0.5				7.5	4.0	6.5					3.0		7.5								4.5		2.5	
10-11		2.5		6.0								8.0				7.0	3.0					8.5	2.0					9.5		5.5		11.0		5.5		
11-12										2.5						6.0	2.0		0.0				1.0										7.0		8.5	
12-13				4.0				2.0		8.0						5.0	1.5	3.0	0.5			9.5	0.0							11.0	7.5	3.5		2.5		
13-14	0.5	6.0					2.5								3.5	4.5	8.0					7.0										10.0	2.0	5.5		
14-15			4.5	2.0						5.5					8.0	3.5	7.5					10.5	6.0		3.0								6.5		8.5	
15-16		3.5								0.5	1.0		5.5			2.5	6.5		2.5				5.0	0.0					10.5				2.5		2.5	
16-17				0.0				1.0		10.0						2.0	5.5					12.0	4.0	2.0									9.0	4.0	5.5	
17-18	0.5	1.0		7.0							10.5					8.5	5.0						3.5	3.5	8.0		3.0						5.5		8.5	
18-19	8.5	7.5								3.5		12.0				8.0	4.0						2.5	5.5					11.0				1.5		2.5	
19-20				5.0	3.0	1.0	5.0		3.0					3.5	7.0	3.0		4.5					1.5	7.0			7.0				7.0	8.0	6.5	5.5		
20-21		5.0				6.0	0.0		11.5	6.0	3.0			8.0	6.0	2.0		0.0					0.5	9.0					8.5				4.5		8.5	
21-22	0.5			3.0												5.0	9.0			2.0		6.5	7.5							8.5		11.0		2.5		
22-23	8.5	2.5								1.5						4.5	8.0				0.0		6.5		3.5	5.5			6.5				7.5	9.0	5.5	
23-24				1.5	0.0				4.5	4.5	1.5	9.5				3.5	7.5					8.0	5.5										3.5		8.5	
24-25				8.0		5.0										2.5	6.5		2.5				4.5			4.0			4.0				10.0		2.0	
25-26	0.5	6.0	4.0			0.0	5.0					0.5	3.0	2.0	5.5							9.0	3.5		8.5							6.5	11.5	5.0		
26-27	8.5			6.0		5.0								8.0	8.5	5.0	11.0						3.0			3.0						6.5	3.0		8.0	
27-28		3.5				2.0		3.5		6.5						8.0	4.0					10.5	2.0										9.5		2.0	
28-29				4.5									6.5			7.0	3.0		4.5				1.0			1.5	0.5	8.0					5.5		5.0	
29-30	0.5	1.0								3.0						6.0	2.5	8.0	0.0				11.5	0.0												8.0
30-31	8.5	7.0		2.5	1.0											5.5	9.0			4.0			7.0	1.0	4.0		0.5	4.5			6.5		8.5	3.0	2.0	

	TY	AQ	Z	RT	RV	ST	XZ	beta	Y	U	V505	RW	AC	AM	V	X	RV	W	VV	XZ	RU	AG	BU
	PEG	PEG	PER	PER	PER	PER	PER	PER	PSC	SGE	SGR	TAU	TAU	TAU	TRI	TRI	TRI	UMA	UMA	UMA	UMI	VIR	VUL
MAX	10.5	10.3	9.9	10.6	10.3	9.7	10.6	2.2	9.0	6.4	6.4	8.0	10.5	10.4	10.9	8.9	11.4	9.1	10.1	10.1	10.7	8.8	10.6
MIN	12.6	13.0	12.4	12.0	12.7	13.2	12.7	3.5	12.0	9.1	7.6	12.5	12.3	12.3	11.9	12.0	12.5	9.9	11.0	11.7	11.4	9.4	11.4
DUR	6	10	6	4	8	5	4	8	7	6	5	4	6	4	4	4	4	3	3	3	4	4	3

0-1									5.0						9.0	1.5	2.5				3.0		
1-2			9.0												2.0	8.0	2.5	5.0			4.5	8.5	3.0
2-3				9.0											6.0	7.5	7.5	2.5			4.5	5.5	
3-4				5.5											10.0	6.5	1.5	2.5	6.5		9.5	6.5	
4-5		10.0	2.0					12.0							0.0	6.0		2.5				8.0	
5-6						5.0	3.0				9.5				4.0	5.5	8.0	2.5	8.0		9.0		2.5
6-7							6.5								8.5	4.5	2.0	2.5	0.5		10.5	12.0	6.0
7-8		11.5	11.5				10.0	8.5							4.0		2.5	9.5	1.5	11.5			
8-9			7.5								4.0				2.5	3.5	8.5	2.5	2.0	7.0	0.0	10.0	
9-10			4.0										1.0	6.5	2.5	2.5	2.5	11.0			1.5		2.5
10-11			0.5					5.5							10.5	2.0		2.5	3.5		2.5	8.5	5.5
11-12				11.5										2.0	0.5	1.0	8.5	2.5			3.5		
12-13							0.5			0.5		1.0			4.5	0.5	3.0	2.5	5.0		5.0		
13-14			10.0	11.0	3.5	4.5	2.5						3.0	9.0				2.5		4.5	6.0		2.0
14-15			6.5				8.0			3.0			2.0				9.0	2.5	6.5	9.5	7.5		5.0
15-16			3.0	10.5		11.5		6.5						4.5	3.0		3.0	2.5			8.5	12.0	
16-17	0.5										11.5	3.0		7.0			2.5	8.0			9.5		
17-18		1.0			9.5								5.5	11.0		9.5	3.0	0.5		11.0	10.0		1.5
18-19						11.0						4.0		1.0		3.5	3.0	9.5	1.5				5.0
19-20	2.5		8.5	9.0				1.0		3.0	6.0		6.5	5.5			3.0	2.0	7.0	0.5	8.5		
20-21			5.0			2.0						5.0		9.5		9.5	3.0	11.0			2.0		
21-22			1.5	8.5	2.5	5.5							7.5			4.0	3.0	3.5			3.0		1.0
22-23	5.0					9.5					0.5	6.0		3.5			3.0				4.5		4.5
23-24				9.0									8.5	7.5		10.0	3.0	5.0			5.5		
24-25			11.0									7.0		11.5		4.0	3.0		4.5	6.5	11.5		
25-26	7.0		7.5	7.0						1.0			9.5	1.5			3.0	6.5	9.5	8.0			0.5
26-27			4.0		9.5							8.5		6.0		10.5	3.0				9.0	10.0	4.0
27-28			0.0	6.5			10.5						10.5	10.0		4.5	3.0	8.0			10.5		7.5
28-29	9.5	3.0				3.5						9.5					3.0	0.5			11.5		
29-30				6.0	1.0	7.0							11.5	4.0		11.0	3.0	9.5			0.0		0.5
30-31			9.5			11.0	7.0	8.0				7.5	10.5		8.0	11.5	5.0	3.0	2.0	7.0	1.5		3.5