

	SW AND	XX AND	AT AND	SW AQR	TZ AUR	BH AUR	RS BOO	ST BOO	SW BOO	SZ BOO	TV BOO	TW BOO	UU BOO	UY BOO	RW CNC	TT CNC	RR CET	XZ CYG	DM CYG	RW DRA	XZ DRA	RR GEM	TW HER	VX HER	AR HER
MAX	9.3	10.3	10.8	10.5	11.2	11.1	9.8	10.6	11.3	12.0	10.8	10.8	11.2	10.6	10.7	11.0	9.3	9.1	11.2	11.0	9.6	10.7	10.5	9.9	10.6
MIN	10.8	11.6	11.5	12.1	12.8	12.6	11.3	11.8	12.7	13.4	11.5	12.1	12.7	12.0	12.6	12.3	10.3	10.5	12.7	12.0	10.3	11.9	11.8	10.4	11.6
DUR	4	6	5	2	3	4	4	5	3	3	5	5	3	4	3	4	3	4	3	4	5	3	3	4	3
0- 1					8.5	1.5				7.0	4.5	11.5	7.0	9.5	2.0	1.5		7.0		9.5	7.5	4.0			8.5
1- 2	7.0	7.5	5.5		3.5	10.5	7.0	8.0		8.0	10.5				4.5	4.5		5.5		7.0	6.5	8.5			7.0
2- 3	4.0	1.0		2.5	7.5	8.5	10.5			9.0	9.0			8.5	6.5	7.5	1.5	4.0	1.5	4.0	5.5	3.5			5.5
3- 4	1.5		2.0	0.5	2.5	6.0			5.5	10.0	7.5				9.0	10.5	4.0	2.0		1.5	4.0	8.0			
4- 5		5.0	7.5		6.5	4.0	7.5	10.5	6.5	11.5	6.0		10.0	7.0	11.0		6.5	0.5	4.0	9.5	3.0	3.0		10.5	
5- 6	6.5				1.5	2.0	10.5		7.0			6.5	8.0			3.0		10.0		6.5	2.0	8.0			1.5
6- 7	3.5	9.0	4.0		5.5	11.0		7.5	7.5		10.5	8.0			2.5	6.0		8.5		4.0	0.5	3.0			11.0
7- 8	1.0	2.5			0.5	8.5	8.0		8.5		9.0	9.5			5.0	9.5	1.0	7.0	2.5	1.0	11.0	7.5			10.0
8- 9			0.5	2.0	4.5	6.5	11.0		9.0		7.5	11.0			7.0		3.5	5.5		9.0	10.0	2.5			8.5
9-10	6.0	6.5	6.0		9.0	4.5		10.0	9.5		6.0		10.5		9.5	2.0	6.0	4.0	5.0	6.5	9.0	7.0		10.5	7.0
10-11	3.0				3.5	2.5	8.5		10.0				8.5		11.5	5.0		2.0	1.0	3.5	7.5	2.0			
11-12	0.5		2.5		8.0	0.5	11.5		11.0		10.5			11.0		8.0		0.5		1.0	6.5	7.0			
12-13	8.0	4.0	8.0		2.5	9.0			11.5	7.5	9.0				3.0	11.0	0.5	10.0	3.5	8.5	5.5	2.0			
13-14	5.5			3.0	7.0	7.0	9.0			8.5	7.5	6.0		10.0	5.0		3.0	8.5		6.0	4.5	6.5			1.0
14-15	2.5	8.0	4.5	1.0	1.5	5.0		9.5		9.5	6.0	7.5	11.0		7.5	3.5	5.5	7.0		3.0	3.0	1.5		11.0	11.0
15-16		1.0			6.0	3.0				11.0		9.0	9.0	8.5	10.0	6.5		5.5	2.0	0.5	2.0	6.0			9.5
16-17	8.0		1.0		0.5	0.5	9.5				10.5	11.0				9.5		4.0		8.5	1.0	1.0	2.0		8.0
17-18	5.0	5.5	6.5		5.0	9.5					9.0							2.0	4.5	5.5	11.0	6.0			6.5
18-19	2.0				9.0	7.5					7.5				3.5		2.5	0.5	0.5	3.0	10.0	1.0	2.0		
19-20		9.5	3.0	2.5	4.0	5.5	10.0	9.0			6.0		11.5		5.5	5.5	5.0	10.0		11.0	9.0	5.5		11.0	
20-21	7.5	2.5	8.5	0.5	8.0	3.0							9.5		8.0	8.5	7.5	8.5	3.0	8.0	8.0	0.5	2.0		2.5
21-22	4.5				3.0	1.0					10.5				10.0	11.5		7.0		5.5	6.5	5.0			1.0
22-23	1.5	6.5	5.0		7.0	10.0	10.0	11.5			9.0	7.5						5.5	5.0	2.5	5.5	0.5	2.0		10.5
23-24					2.0	8.0					7.5	9.0						4.0	2.0	4.0	1.5	10.5	4.5	5.0	9.5
24-25	7.0	10.5	1.5	3.5	6.0	5.5		8.5	7.0	8.0	6.0	10.5		11.5	4.0	7.0	4.5	2.0		7.5	3.5	9.5	2.0	0.5	8.0
25-26	4.0	4.0	7.0	1.5	1.0	3.5	10.5		7.5	9.0			10.5		6.0	10.0	7.0	0.5	3.5	5.0	2.0	4.5			
26-27	1.5				5.0	1.5			8.5	10.5	10.5	0.5	8.0	10.5	8.5			10.0		2.0	1.0	9.0	2.0		
27-28	9.0	8.0	3.5		9.5	10.5	8.0	11.0	9.0	11.5	9.0				10.5			8.5	6.0	10.0	11.5	4.0			
28-29	6.5	1.5	9.0		4.0	8.0	11.0		9.5		7.5		9.0			5.5	1.5	7.0	2.5	7.5	10.0	9.0	2.0		2.0
29-30	3.5				8.5	6.0			10.5							8.5	4.0	5.5		4.5	9.0	4.0		0.5	0.5
30-31	1.0	5.5	5.5	3.0	3.0	4.0	8.5		11.0			7.0	11.0		4.5	11.5	6.5	3.5	4.5	2.0	8.0	8.5	2.0		10.5

	DL	DY	SZ	UU	VX	DG	DH	RR	SS	TV	WW	SZ	RZ	AV	RV
	HER	HER	HYA	HYA	HYA	HYA	HYA	LEO	LEO	LEO	LEO	LYN	LYR	PEG	UMA
MAX	11.0	10.2	10.6	10.7	10.0	11.6	11.4	10.0	10.5	11.5	11.0	9.1	10.0	9.9	10.1
MIN	12.4	10.6	11.7	12.3	10.7	12.6	12.6	11.7	12.0	12.6	12.0	-9.6	12.0	10.9	11.2
DUR	3	2	4	6	3	4	4	3	5	6	7	2	3	3	4
0- 1			9.0		7.5	4.5	5.0	5.0		10.0		2.0			2.0
1- 2		9.5	10.5		5.0		4.0	3.0			2.5	1.5	0.5	0.5	0.5
2- 3		10.5		3.5	8.0	11.0	3.5	11.5	10.0	10.5	7.5	0.5	1.0	4.5	10.5
3- 4		11.5		4.5	5.5	5.0		9.0				2.5	1.5		9.0
4- 5				5.5	8.0			7.0	7.0	11.0	3.0	1.5	2.0	3.5	7.5
5- 6		10.0	5.0	7.0	5.5	11.5		4.5			8.0	1.0	2.5		5.5
6- 7		11.0	7.0	8.0	8.5	5.5		2.5		11.5		3.0		2.5	4.0
7- 8			8.5	9.0	6.0			11.0	10.0		3.0	2.0			2.5
8- 9			10.5	10.0	8.5	11.5		8.5			8.0	1.0		1.0	1.0
9-10		10.5		11.5	6.0	6.0	11.5	6.5	7.0			0.0			11.0
10-11	11.0	11.0			9.0		11.0	4.0			3.5	2.5			9.5
11-12					6.5		10.5				8.5	1.5		4.0	8.0
12-13			4.5		9.0	6.0	10.0	10.5	10.5			0.5			6.0
13-14		10.5	6.5		6.5		9.5	8.0			4.0	2.5		3.0	4.5
14-15		11.5	8.0	4.5	9.5		9.0	5.5	7.5		9.0	1.5			3.0
15-16			10.0	5.5	7.0	6.5	8.5	3.5				1.0		2.0	1.5
16-17			12.0	7.0	9.5		8.0				4.0	3.0			11.5
17-18		11.0		8.0	7.0		7.5	9.5	10.5	6.0	9.0	2.0		0.5	10.0
18-19				9.0	10.0	7.0	7.0	7.5				1.0		5.0	8.5
19-20				10.5	7.5		6.5	5.0	7.5	6.5	4.5	0.5			6.5
20-21			6.0	11.5	10.0		6.0				9.5	2.5		3.5	5.0
21-22		11.0	8.0		7.5	7.5	5.5	11.5		7.0		1.5			3.5
22-23			9.5		10.5		5.0	9.0	11.0		5.0	0.5	11.5	2.5	2.0
23-24	11.5		11.5		8.0		4.5	7.0		7.0	10.0	2.5			0.5
24-25					5.5	8.0		4.5	8.0			2.0	0.5	1.5	10.5
25-26		11.5		4.5	8.0					7.5	5.0	1.0	1.0	5.5	9.0
26-27				5.5	11.0			11.0			10.0	3.0	1.5		7.0
27-28	0.5		5.5	7.0	8.5	8.0		8.5	11.0	8.0		2.0	2.0	4.5	5.5
28-29			7.5	8.0	6.0			6.5			5.5	1.5	2.5		4.0
29-30			9.0	9.0	8.5			4.0	8.0	8.5	10.5	0.5	3.0	3.0	2.5
30-31			11.0	10.5	6.0	8.5						2.5	3.5		1.0

	SW	XX	AT	SW	TZ	BH	RS	ST	SW	SZ	TV	TW	UU	UY	RW	TT	RR	XZ	DM	RW	XZ	RR	TW	VX	AR	
	AND	AND	AND	AQR	AUR	AUR	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CNC	CNC	CET	CYG	CYG	DRA	DRA	GEM	HER	HER	HER	
MAX	9.3	10.3	10.8	10.5	11.2	11.1	9.8	10.6	11.3	12.0	10.8	10.8	11.2	10.6	10.7	11.0	9.3	9.1	11.2	11.0	9.6	10.7	10.5	9.9	10.6	
MIN	10.8	11.6	11.5	12.1	12.8	12.6	11.3	11.8	12.7	13.4	11.5	12.1	12.7	12.0	12.6	12.3	10.3	10.5	12.7	12.0	10.3	11.9	11.8	10.4	11.6	
DUR	4	6	5	2	3	4	4	5	3	3	5	5	3	4	3	4	3	4	3	4	5	3	3	4	3	
0- 1					7.5	2.0		5.0			3.0	8.5	9.0		6.5	1.0		2.0	1.0	10.0	7.0	3.5		7.0	9.0	
1- 2			2.0		2.0	10.5	5.5	10.5		4.5	9.0	10.0	7.0	7.0	9.0	4.5			7.0	5.5	8.0				7.5	
2- 3	3.0	3.0			6.5	8.5	9.0			5.5	7.5		4.5		11.0	7.5	1.0	10.0		4.5	4.5	3.5			6.0	
3- 4					1.0	6.5		7.5		6.5	6.0			5.5		10.5	3.5	8.5		1.5	3.5	8.0			4.5	
4- 5		7.0	4.0		5.5	4.5	6.0			7.5	4.5				2.5			7.0		9.5	2.5	3.0		9.5	3.5	
5- 6	5.5				9.5	2.5	9.5			8.5	3.0	3.5	9.5		5.0	3.0		5.5	1.5	6.5	1.0	7.5		7.5		
6- 7	2.5				4.5	11.0		10.0		10.0	9.0	5.0	7.5		7.0	6.0		3.5		4.0		2.5				
7- 8		4.5	6.0		8.5	9.0	6.5		4.0	11.0	7.5	6.5	5.5		9.5	9.0		2.0		1.0	10.5	7.0			10.5	
8- 9					3.5	7.0	9.5	7.0	4.5		6.0	8.0		10.5			3.0			9.0	9.0	2.5			9.0	
9-10	5.0		2.5		7.5	5.0			5.0		4.5	9.5			0.5	1.5		10.0		6.5	8.0	7.0	11.0	10.0	7.5	
10-11	2.0	1.5			2.5	2.5	7.0		6.0		3.0	11.0	10.0	9.5	3.0	4.5		8.5	2.5	3.5	7.0	2.0		7.5	6.0	
11-12					6.5		10.0	9.5	6.5		9.0		8.0		5.5	7.5		7.0		1.0	6.0	6.5	11.0		4.5	
12-13		5.5	4.5		1.5	9.5			7.0		7.5		6.0	8.5	7.5	10.5		5.5		9.0	4.5	1.5				
13-14	4.5				5.5	7.5	7.5	6.5	7.5		6.0				10.0			2.5	3.5	1.0	6.0	3.5	6.0	11.0		
14-15	1.5		1.0		9.5	5.0	10.5		8.5	6.0	4.5	4.5		7.5		3.5	5.0	2.0		3.5	2.5	1.5		10.0		
15-16		3.0	6.5		4.5	3.0			9.0	7.0	11.0	6.0	11.0		1.0	6.5			3.5	11.0	1.5	6.0	11.0	8.0	10.0	
16-17					8.5	1.0	8.0	9.0	9.5	8.0	9.5	7.5	8.5	6.0	3.5	9.5		10.0		8.5		1.0			8.5	
17-18	4.0	7.0	3.0	1.0	3.5	10.0	11.0		10.5	9.5	8.0	9.5	6.5		5.5			8.5		5.5	10.5	5.5	11.0		7.0	
18-19	1.0				7.5	7.5		6.0	11.0	10.5	6.5	11.0			8.0	2.0	2.0	7.0	2.0	3.0	9.5	10.0			5.5	
19-20					2.5	5.5	8.5				5.0				10.5	5.0	4.5	5.5		11.0	8.5	5.5	11.0	10.0		
20-21	6.5	4.5	5.0		6.5	3.5					11.0					8.0				8.0	7.0	10.0				
21-22	3.5				1.5	1.5	5.5	8.5			9.5		9.5	11.0	1.5	11.0		2.0		5.5	6.0	5.0	11.0			
22-23	0.5	8.5	1.5	2.0	5.5	10.0	9.0			8.0			7.5		4.0					2.5	5.0	9.5			11.0	
23-24		2.0	7.0		10.0	8.0					6.5	6.0		10.0	6.0	3.5	1.0	10.0	3.0	10.5	3.5	4.5	11.0		10.0	
24-25	6.0				4.5	6.0	6.0	11.0			5.0	7.5			8.5	6.5	4.0	8.5		8.0	2.5	9.0		10.5	8.5	
25-26	3.0	6.0	3.5		9.0	4.0	9.5				11.0	9.0		9.0	10.5	10.0	6.5	7.0		5.0	1.5	4.5	11.0	8.5	7.0	
26-27					3.5	2.0		8.0		6.5	9.5	10.5	10.0					5.0	1.5	2.5		9.0			5.5	
27-28					8.0	10.5	6.5			7.5	8.0		8.0	7.5	2.0	2.5		3.5		10.0	10.5	4.0	11.0			

	DL	DY	SZ	UU	VX	DG	DH	RR	SS	TV	WW	SZ	RZ	AV	RV
	HER	HER	HYA	HYA	HYA	HYA	HYA	LEO	LEO	LEO	LEO	LYN	LYR	PEG	UMA
MAX	11.0	10.2	10.6	10.7	10.0	11.6	11.4	10.0	10.5	11.5	11.0	9.1	10.0	9.9	10.1
MIN	12.4	10.6	11.7	12.3	10.7	12.6	12.6	11.7	12.0	12.6	12.0	-9.6	12.0	10.9	11.2
DUR	3	2	4	6	3	4	4	3	5	6	7	2	3	3	4

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

	SW	XX	AT	TZ	BH	RS	ST	SW	SZ	TV	TW	UU	UY	RW	TT	RR	XZ	DM	RW	XZ	RR	TW	VX	AR	DL	
	AND	AND	AND	AUR	AUR	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CNC	CNC	CET	CYG	CYG	DRA	DRA	GEM	HER	HER	HER	HER	
MAX	9.3	10.3	10.8	11.2	11.1	9.8	10.6	11.3	12.0	10.8	10.8	11.2	10.6	10.7	11.0	9.3	9.1	11.2	11.0	9.6	10.7	10.5	9.9	10.6	11.0	
MIN	10.8	11.6	11.5	12.8	12.6	11.3	11.8	12.7	13.4	11.5	12.1	12.7	12.0	12.6	12.3	10.3	10.5	12.7	12.0	10.3	11.9	11.8	10.4	11.6	12.4	
DUR	4	6	5	3	4	4	5	3	3	5	5	3	4	3	4	3	4	3	4	5	3	3	4	3	3	
0- 1		3.5		2.5	8.5	9.5	5.0	5.0	9.0	6.5		6.0		4.5	5.5		2.0		7.5	9.5	8.5	6.0		2.5		
1- 2	2.5			7.0	6.5	4.0		6.0	10.0	5.0	2.5	4.0	6.5	6.5	8.5	3.0		10.0	4.5	8.5	3.5					
2- 3			2.0	1.5	4.5	7.0		6.5		3.5	4.0			9.0			10.0		2.0	7.5	8.0	6.0	8.5		8.0	
3- 4				6.0	2.0	10.0	7.5	7.0		2.0	5.5		5.5				8.5		10.0	6.0	3.5		6.5	9.5		
4- 5				10.0		4.5		7.5		8.0	7.0	8.5			4.0		7.0		7.0	5.0	8.0	6.0		8.0		
5- 6	2.0	5.0	4.0	5.0	9.0	7.5	4.5	8.5		6.5	8.5	6.5	4.0	2.5	7.0		5.0		4.5	4.0	3.0			6.5	7.0	
6- 7				9.0	7.0		10.0	9.0	3.0	5.0	10.0	4.5		5.0	10.0	2.5	3.5			3.0	7.5	6.0		5.0		
7- 8				4.0	4.5	4.5		9.5	4.0	3.5				7.0			2.0		9.5		2.5		8.5	4.0		
8- 9	2.0			8.0	2.5	8.0	7.0		5.0	2.0				9.5	2.5				7.0		7.5	6.0	6.5	2.5		
9-10				3.0				6.0	8.0	2.0	9.0				5.5		10.0	9.5	4.0		2.5					
10-11	6.0	2.5		7.0	9.5	5.0	4.0		7.0	6.5	3.5	7.0	9.0		9.0		8.5			9.5	7.0					
11-12				2.0	7.0	8.5	9.5		8.5	5.0	5.0	5.0		3.0		2.0	7.0		9.0	8.5	2.0			9.5		
12-13	4.0			6.0	5.0				9.5	3.5	6.5		8.0	5.5			5.0		6.5	7.5	6.5		9.0	8.0	9.5	
13-14	3.5	4.5		10.5	3.0	5.5	6.5			2.0	8.0			7.5	4.5		3.5		3.5	6.5	1.5		7.0	6.5		
14-15				5.0		9.0				8.0	9.5	10.0	7.0	10.0	7.5		2.0			5.0	6.5			5.0		
15-16				9.5			3.5	2.5		6.5		7.5							9.0	4.0				3.5	8.5	
16-17	3.5			4.0	7.5	6.0	9.0	3.0		5.0		5.5	6.0				10.0		6.0	3.0	6.0					
17-18				8.5	5.5	9.0		4.0		3.5		3.5		3.5	3.0	4.0	8.5		3.5	2.0			9.0			
18-19		5.0	3.0	3.0	3.5	3.5	6.0	4.5		2.0	3.0		4.5	6.0	6.0		7.0				5.5		7.0		7.5	
19-20				7.5		6.5		5.0	4.5	8.0	4.5			8.0	9.0		5.0		8.5		10.0	10.5		9.0		
20-21	3.0			2.0	10.0	9.5		6.0	5.5	6.5	6.0	8.5		10.5			3.5		6.0	10.0	5.5			7.5		
21-22		2.5	5.0	6.5	8.0	4.0	8.5	6.5	6.5	5.0	7.5	6.5			1.5		2.0		3.0	8.5	10.0	10.5		6.0		
22-23				6.0	7.0			7.0	8.0	3.5	9.5	4.0			1.5	5.0	3.5			7.5	5.0		9.5	4.5		
23-24		6.5		5.5	4.0	10.0	5.5	8.0	9.0	9.5			9.5	4.0	8.0		10.0		8.0	6.5	9.5	10.0	7.0	3.5		
24-25	2.5			9.5	1.5	4.0		8.5	10.0	8.0				6.0			8.5	2.5	5.5	5.5	4.5					
25-26				4.5		7.5		9.0		6.5		9.0	8.5	8.5			7.0		3.0	4.0	9.5	10.0			10.0	
26-27		4.0	3.5	8.5	8.5		8.0	9.5		5.0		7.0			3.5		5.0			3.0	4.5			10.0		
27-28	5.0			3.5	6.5	4.5				3.5	4.5	5.0	7.5		6.5	3.0	3.5		8.0	2.0	9.0	10.0	9.5	9.0		
28-29	2.0			7.5	4.5	8.0	5.0			9.5	6.0			2.0	9.5		2.0		5.0		4.0		7.5	7.5	9.0	
29-30			5.5	2.5	2.0					8.0	7.5		6.0	4.5					2.5		8.5	10.0		6.0		
30-31				6.5		5.0				6.5	9.0	9.5		6.5	2.0		10.0		10.5	10.0	3.5			4.5		

	DY	SZ	UU	VX	DG	DH	RR	SS	TV	WW	SZ	RZ	AV	RV
	HER	HYA	HYA	HYA	HYA	HYA	LEO	LEO	LEO	LEO	LYN	LYR	PEG	UMA
MAX	10.2	10.6	10.7	10.0	11.6	11.4	10.0	10.5	11.5	11.0	9.1	10.0	9.9	10.1
MIN	10.6	11.7	12.3	10.7	12.6	12.6	11.7	12.0	12.6	12.0	-9.6	12.0	10.9	11.2
DUR	2	4	6	3	4	4	3	5	6	7	2	3	3	4

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

## AAVSO RR LYR Ephemeris for April 2006

all times U.T.

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	SW	XX	AT	SW	TZ	BH	RS	ST	SW	SZ	TV	TW	UU	UY	RW	TT	RR	XZ	DM	RW	XZ	RR	TW	VX	AR	
	AND	AND	AND	AQR	AUR	AUR	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CNC	CNC	CET	CYG	CYG	DRA	DRA	GEM	HER	HER	HER	
MAX	9.3	10.3	10.8	10.5	11.2	11.1	9.8	10.6	11.3	12.0	10.8	10.8	11.2	10.6	10.7	11.0	9.3	9.1	11.2	11.0	9.6	10.7	10.5	9.9	10.6	
MIN	10.8	11.6	11.5	12.1	12.8	12.6	11.3	11.8	12.7	13.4	11.5	12.1	12.7	12.0	12.6	12.3	10.3	10.5	12.7	12.0	10.3	11.9	11.8	10.4	11.6	
DUR	4	6	5	2	3	4	4	5	3	3	5	5	3	4	3	4	3	4	3	4	5	3	3	4	3	
0- 1							8.5	7.5		5.0	5.0		7.5	5.0	9.0	5.0		8.5		7.5	9.0	8.5			3.0	
1- 2					5.5		2.5			6.0	3.5		5.5			8.0		6.5		5.0	7.5	3.5	5.0	10.0		
2- 3					9.5	4.5	5.5	4.5		7.5	9.5		3.5	4.0				5.0	8.0		6.5	8.0		7.5		
3- 4		2.5			4.5	2.5	9.0		2.5	8.5	8.0	2.5			2.5			3.5			5.5	3.0	5.0	5.5		
4- 5			9.5		8.5		3.0		3.5	9.5	6.5	4.0		3.0	5.0	4.0				7.0	4.5	7.5		3.5	8.5	
5- 6					3.5		6.0	7.0	4.0		5.0	5.5	8.0		7.0	7.0				4.5	3.0	2.5	5.0		7.0	
6- 7					7.5	7.0	9.0		4.5		3.5	7.0	6.0		9.5							7.5			5.5	
7- 8					2.5	5.0	3.5	4.0	5.0		9.5	8.5	4.0	9.0				8.5	9.0	9.5		2.5	5.0	8.0	4.0	
8- 9		4.0	2.0		6.5	3.0	6.5	9.5	6.0		8.0					2.5		6.5		7.0		7.0	10.0	5.5	3.0	
9-10							9.5		6.5	2.5	6.5			7.5	3.0	5.5		5.0		4.0			5.0	3.5		
10-11				9.5	5.5		4.0	6.5	7.0	3.5	5.0		9.0		5.5	8.5		3.5	7.5		9.0	6.5	10.0			
11-12						7.5	7.0		8.0	4.5	3.5		7.0	6.5	7.5					9.5	8.0		5.0		9.5	
12-13					4.5	5.5		3.5	8.5	5.5	9.5	3.5	4.5							6.5	6.5	6.5	9.5	8.0	8.5	
13-14					9.0	3.5	4.0	9.0	9.0	7.0	8.0	5.0	2.5	5.5		4.0				4.0	5.5		5.0	6.0	7.0	
14-15					3.5		7.5		10.0	8.0	6.5	6.5				7.0		8.5			4.5	6.0	9.5	4.0	5.5	
15-16					8.0			6.0		9.0	5.0	8.0	9.5	4.5	3.5			6.5	8.5	9.0	3.5		5.0		4.0	
16-17	2.5	3.0	2.5		2.5		4.5				3.5	9.5	7.5		6.0			5.0		6.5	2.0	5.5	9.5		2.5	
17-18					7.0	6.0	8.0	3.0			9.5		5.5	3.0	8.0	3.0		3.5		3.5			5.0	8.5		
18-19						4.0		8.5			8.0		3.5			6.0						5.5	9.5	6.0		
19-20					6.0		5.0				6.5					9.0							5.0		9.5	
20-21							8.5	5.5			5.0	3.0		9.5					9.5	6.0	9.0	5.0	9.5		8.0	
21-22		4.5			5.0		2.5			3.0	3.5	4.5	8.0		4.0			8.5		3.0	8.0	9.5			6.5	
22-23					9.0	6.5	5.5	2.5	2.5	4.0	9.5	6.0	6.0	8.0	6.5	4.5		6.5			7.0	4.5	9.5	8.5	5.0	
23-24					4.0	4.0	8.5	8.0	3.5	5.0	8.0	8.0	4.0		8.5	7.5		5.0		8.5	6.0	9.5		6.5	3.5	
24-25			3.0		8.0		3.0		4.0	6.5	6.5	9.5		7.0				3.5		5.5	4.5	4.5	9.5		2.5	
25-26					3.0		6.0	5.0	4.5	7.5	5.0									3.0	3.5	9.0				
26-27					7.0		9.0		5.0	8.5	3.5		8.5	6.0	2.0	3.0						2.5	4.0	9.5		
27-28						6.5	3.5		6.0	9.5	9.5		6.5		4.5	6.0	2.5	10.0		8.0		8.5		8.5	9.0	
28-29				6.0	4.5	6.5	7.5	6.5	6.5		8.0	2.5	4.5	4.5	6.5	9.5		8.0	9.0	5.5		3.5	9.5	6.5	8.0	
29-30		3.0				2.5	9.5		7.0		6.5	4.5	2.5		9.0			6.5		2.5		8.5			6.5	

	DL	DY	SZ	UU	VX	DG	DH	RR	SS	TV	WW	SZ	RZ	AV	RV
	HER	HER	HYA	HYA	HYA	HYA	HYA	LEO	LEO	LEO	LEO	LYN	LYR	PEG	UMA
MAX	11.0	10.2	10.6	10.7	10.0	11.6	11.4	10.0	10.5	11.5	11.0	9.1	10.0	9.9	10.1
MIN	12.4	10.6	11.7	12.3	10.7	12.6	12.6	11.7	12.0	12.6	12.0	-9.6	12.0	10.9	11.2
DUR	3	2	4	6	3	4	4	3	5	6	7	2	3	3	4
0- 1	8.0	3.5		3.5	3.0		4.0	6.0	2.5		8.0	3.0			
1- 2		4.0	4.0	4.5	5.5		3.5	3.5	8.5	6.0		2.0			8.5
2- 3		5.0	5.5	6.0	3.0	5.0	3.0				3.0	4.0		9.0	7.0
3- 4	7.0	6.0	7.5	7.0	6.0		2.5	10.0	5.5	6.5	8.0	3.5			5.5
4- 5		7.0		8.0	3.5			7.5				2.5			4.0
5- 6		4.5		9.5	6.5	5.5		5.5	2.5	7.0	3.5	4.5			2.5
6- 7	6.0	5.5			3.5			3.0	8.5		8.5	3.5			
7- 8		6.5			6.5					7.5		3.0			
8- 9		4.0	3.5		4.0	6.0		9.5	5.5		4.0	5.0			9.0
9-10	5.0	5.0	5.5		7.0			7.0		8.0	9.0	4.0		9.5	7.5
10-11	9.0	6.0	7.0	2.5	4.0			4.5	3.0			3.0			6.0
11-12		7.0		3.5	7.0	6.0		2.5	9.0	8.5	4.0	2.5	5.0		4.5
12-13		8.0		5.0	4.5						9.0	4.5	6.0		3.0
13-14	8.0	5.0		6.0	7.5			8.5	6.0	9.0		3.5	6.5		
14-15		6.0		7.0	4.5	6.5	8.5	6.5			4.5	2.5	7.0		
15-16		7.0	3.0	8.0	7.5		8.0	4.0	3.0	9.5	9.5	4.5	7.5		9.5
16-17	7.0	4.5	5.0	9.5	5.0		7.5		9.0			4.0	8.0		8.0
17-18		5.5	6.5		2.5	7.0	7.0			10.0	5.0	3.0	8.5		6.5
18-19		6.5	8.5		5.0		6.5	8.0	6.0			5.0	9.0		5.0
19-20	6.0	7.5			2.5		6.0	6.0				4.0	9.5		3.5
20-21		5.0			5.5	7.5	5.5	3.5	3.5	2.5	5.5	3.0			
21-22		6.0		2.5	3.0		5.0		9.5			2.5			
22-23		7.0	2.5	3.5	5.5		4.5			3.0		4.5			
23-24	9.5	8.0	4.5	5.0	3.0	8.0	4.0	7.5	6.5		5.5	3.5			8.5
24-25		5.0	6.5	6.0	6.0		3.0	5.5		3.5		2.5			7.0
25-26		6.0	8.0	7.0	3.5		2.5	3.0	3.5			4.5		10.0	5.5
26-27	8.5	7.0		8.0	6.0	8.0	2.0		9.5	3.5	6.0	4.0			4.0
27-28		8.0		9.5	3.5	2.5		9.5				3.0			2.5
28-29		5.5			6.5			7.0	7.0	4.0		5.0			
29-30	7.5	6.5	2.5		4.0	8.5		4.5			6.5	4.0			

	SW	XX	AT	SW	TZ	BH	RS	ST	SW	SZ	TV	TW	UU	UY	RW	TT	XZ	DM	RW	XZ	RR	TW	VX	AR	DL
	AND	AND	AND	AQR	AUR	AUR	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CNC	CNC	CYG	CYG	DRA	DRA	GEM	HER	HER	HER	HER
MAX	9.3	10.3	10.8	10.5	11.2	11.1	9.8	10.6	11.3	12.0	10.8	10.8	11.2	10.6	10.7	11.0	9.1	11.2	11.0	9.6	10.7	10.5	9.9	10.6	11.0
MIN	10.8	11.6	11.5	12.1	12.8	12.6	11.3	11.8	12.7	13.4	11.5	12.1	12.7	12.0	12.6	12.3	10.5	12.7	12.0	10.3	11.9	11.8	10.4	11.6	12.4
DUR	4	6	5	2	3	4	4	5	3	3	5	5	3	4	3	4	4	3	4	5	3	3	4	3	3
0- 1			7.0		5.0		3.5	4.5	8.0		5.0	6.0		3.5			5.0				3.5			5.0	
1- 2							7.0		8.5		3.5	7.5				5.0	3.5	7.5	7.5	8.0		4.5		3.5	
2- 3					4.0				9.0			9.0	7.0						5.0	7.0	3.0		9.0		6.5
3- 4	8.5			8.5		5.0	4.0	7.0		3.5	8.0		5.0		5.0					6.0		4.5	7.0		
4- 5					3.0	3.0	7.5			4.5	6.5		3.0		7.0					6.0	3.0	9.0	4.5		
5- 6					7.5			4.0		6.0	5.0			8.5		3.5	8.0		7.5	3.5		4.5		9.0	5.5
6- 7		8.5					4.5			7.0	3.5					6.5	6.5	8.0	4.5			9.0		7.5	
7- 8					6.5		8.0			8.0		4.0	8.0	7.5			5.0					7.0	4.5	9.0	6.0
8- 9			7.5					6.5		9.0	8.0	5.5	6.0	7.5	3.0		3.5					9.0	7.0	4.5	4.5
9-10				8.0	5.5	3.5	5.0			8.0	7.0	3.5	6.5	6.5	5.5			7.0	7.0		6.5	4.5	5.0	3.0	9.0
10-11							8.0	3.5			5.0	8.5			7.5	5.0				4.5		9.0			
11-12					4.5						3.5			5.0					9.0		8.5	6.5	4.0		3.5
12-13					8.5		5.5		3.5				8.5				8.0	5.5		7.0		9.0			8.0
13-14					3.5		8.5	6.0	4.0		8.0		6.5	4.0			6.5		6.5	6.0	6.0	4.0	7.0	8.5	
14-15			9.0	7.5	3.5	3.0	3.0	4.5	3.0	6.5			4.5		3.5	4.0	5.0	7.5	4.0	5.0	9.0	5.0	7.5		
15-16						6.0	3.0	5.5	4.5	5.0	3.5		3.0	6.0	7.0	3.5				4.0	6.0	4.0	3.0	6.0	7.0
16-17			8.0		6.5		9.0	9.0	6.0	5.5	3.5	5.0			8.0				9.0			9.0		4.5	
17-18						3.5	6.5	6.5		6.5	9.0							6.0	6.5		5.5	4.0		3.0	
18-19					5.5	6.0	6.5	5.5	7.0	7.5	8.0	8.0	7.0	9.0					3.5			9.0	7.5		6.0
19-20						4.0		8.0	8.5	6.5			5.0			5.5	8.0	8.5			5.0	4.0	5.5		
20-21			8.5	4.5		3.5		8.5		5.0		3.0	8.0	4.0			6.5		9.0			9.0	3.0		
21-22				9.0		7.0	8.5	9.0		3.5					6.5	8.5			6.0	8.5	5.0	4.0		8.5	5.0
22-23				3.5										6.5	8.5		3.5	7.0	3.5	7.5		9.0		7.0	
23-24				8.0		4.0	5.0			8.0	3.0	7.5				4.5				6.0	4.5	4.0	7.5	5.5	
24-25		8.5				4.5	7.5			6.5	4.5	5.5	5.5			7.5			8.5	5.0		8.5	5.5	4.0	4.0
25-26					7.0					5.0	6.0	3.5							5.5	4.0	4.0	4.0	3.5		8.5
26-27						4.5	8.0		4.0	3.5	8.0		4.5	4.5			8.0		3.0	3.0	8.5	8.5			
27-28					6.0		8.0		5.0						7.0	3.0	6.5	8.0			4.0	4.0			
28-29							4.5		6.0	8.0			8.5	3.5	9.0	6.0	5.0		8.0		8.5	8.5	8.0		7.5
29-30					5.0	5.0	5.0		7.0	6.5			6.0				3.5		5.5		3.5	4.0	5.5	8.5	
30-31					9.0	3.0	8.0		8.0	5.0			4.0								8.0	8.5	3.5	7.0	

	DY	SZ	UU	VX	DG	DH	RR	SS	TV	WW	SZ	RZ	AV	RV
	HER	HYA	HYA	HYA	HYA	HYA	LEO	LEO	LEO	LEO	LYN	LYR	PEG	UMA
MAX	10.2	10.6	10.7	10.0	11.6	11.4	10.0	10.5	11.5	11.0	9.1	10.0	9.9	10.1
MIN	10.6	11.7	12.3	10.7	12.6	12.6	11.7	12.0	12.6	12.0	-9.6	12.0	10.9	11.2
DUR	2	4	6	3	4	4	3	5	6	7	2	3	3	4
0- 1	4.0	4.0		6.5				4.0	4.5		3.5	3.0		9.0
1- 2	5.0	6.0		4.0							5.5	4.0	6.5	7.5
2- 3	6.0						8.5		5.0	6.5	4.5	4.5		6.0
3- 4	3.0		3.5	4.5	3.0		6.5	7.0			3.5	5.0		4.5
4- 5	4.0		5.0				4.0		5.5		3.0	5.5		3.0
5- 6	5.0		6.0	4.5				4.0		7.0	5.0	6.0		
6- 7	6.0		7.0		3.5				6.0		4.0	6.5	8.0	
7- 8	3.5	4.0		5.0			8.0				3.0	7.0		
8- 9	4.5	5.5					6.0	7.5	6.5	7.5	5.0	7.5	7.0	8.0
9-10	5.5			5.0	4.0		3.5				4.5	8.0		6.5
10-11	3.0					6.5		4.5	7.0		3.5	8.5		5.0
11-12	4.0			5.5		6.0				7.5	5.5	9.0		3.5
12-13	5.0			3.0	4.5	5.5	7.5		7.5		4.5			
13-14	6.0			5.5		5.0	5.5	7.5		3.0	3.5		8.5	
14-15	3.0	3.5	3.5	3.0		4.5	3.0		7.5	8.0	3.0			
15-16	4.0	5.0	5.0	6.0	5.0	4.0		4.5			5.0		7.5	8.5
16-17	5.0	7.0	6.0	3.5		3.5			8.0	3.5	4.0			7.0
17-18	6.0		7.0	6.0		3.0	7.0				3.0			5.5
18-19	3.5			3.5	5.0		4.5	8.0	8.5		5.0			4.0
19-20	4.5			6.5						3.5	4.5			
20-21	5.5			4.0				5.0	9.0	8.5	3.5			
21-22	3.0	3.0		6.5	5.5		8.5				5.5			
22-23	4.0	5.0		4.0			6.5			4.0	4.5		8.0	9.0
23-24	5.0	6.5		7.0			4.0	8.0			4.0			7.5
24-25	6.0			4.5	6.0						3.0	4.0		6.0
25-26	3.0		3.5	7.0				5.0		4.5	5.0	4.5		4.5
26-27	4.0		5.0	4.5			8.0				4.0	5.0		3.0
27-28	5.0		6.0	7.5	6.5		6.0				3.5	5.5		
28-29	6.0		7.0	5.0			3.5	8.5		5.0	5.5	6.0		
29-30	3.5	4.5	8.5	7.5					3.0		4.5	6.5	9.0	
30-31	4.5	6.0		5.0	7.0	7.5		5.5			3.5	7.0		8.0

	SW	XX	AT	SW	TZ	BH	RS	ST	SW	SZ	TV	TW	UU	UY	RW	TT	XZ	DM	RW	XZ	RR	TW	VX	AR	DL
	AND	AND	AND	AQR	AUR	AUR	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CNC	CNC	CYG	CYG	DRA	DRA	GEM	HER	HER	HER	HER
MAX	9.3	10.3	10.8	10.5	11.2	11.1	9.8	10.6	11.3	12.0	10.8	10.8	11.2	10.6	10.7	11.0	9.1	11.2	11.0	9.6	10.7	10.5	9.9	10.6	11.0
MIN	10.8	11.6	11.5	12.1	12.8	12.6	11.3	11.8	12.7	13.4	11.5	12.1	12.7	12.0	12.6	12.3	10.5	12.7	12.0	10.3	11.9	11.8	10.4	11.6	12.4
DUR	4	6	5	2	3	4	4	5	3	3	5	5	3	4	3	4	4	3	4	5	3	3	4	3	3
0- 1					4.0			7.0				3.5								8.5		4.0		5.5	6.5
1- 2				7.0			5.5		4.0			4.5			5.0	4.5			8.0	7.5		8.5		4.0	
2- 3				5.0				4.0	4.5		8.5	6.0		8.0			8.0	5.0	5.0	6.5		3.5	8.0		
3- 4	7.5		5.5						5.5		7.0	7.5	7.0				6.5		5.0		5.0	8.5	6.0		5.5
4- 5		6.5					6.0		6.0		5.5		5.0	7.0			5.0	7.5		4.0		3.5	4.0		
5- 6					6.0			6.5	6.5		4.0							3.5	7.5			8.5			
6- 7			7.5	8.5					7.5					6.0					4.5			3.5		8.0	4.5
7- 8	7.0			6.5	5.0		6.5	3.5	8.0	4.5	8.5				5.5			6.0			8.5	8.5	6.5		
8- 9									8.5	5.5	7.0		7.5	5.0								3.5	6.0	5.0	
9-10		8.0			4.0	3.5	3.5			6.5	5.5	4.0	5.5				8.0	8.5	7.0			8.5	4.0	3.5	
10-11							7.0	6.0		7.5	4.0	5.5	3.5	3.5		5.0	6.5	4.5	4.5			3.5			7.5
11-12			6.0									7.0					5.0			7.5		8.5			
12-13				7.5			4.0				8.5	8.5			3.5			7.0		6.5		3.5	8.5		
13-14							7.5				7.0		8.0		6.0				7.0	5.5		8.0	6.5		6.5
14-15			8.0		6.0						5.5		6.0			3.5			4.0	4.5		3.5	4.0	8.0	
15-16							4.5	5.5			4.0		4.0					5.5			5.5	8.0		6.5	
16-17					5.0		7.5															3.5		5.0	5.5
17-18											8.5	3.5		7.5			6.5	8.0	6.5		5.0	8.0		3.5	
18-19	8.5			7.0	4.0		5.0	8.5		4.0	7.0	5.0			4.0		5.0	4.0	3.5					6.5	
19-20			6.5				8.0		3.5	5.0	5.5	6.5	6.5	6.5	6.5	5.5					5.0	8.0	4.5		4.5
20-21								5.0	4.0	6.0	4.0	8.0	4.5					6.5							
21-22							5.5		4.5	7.0				5.0					6.0	8.0	4.5	8.0			
22-23	8.0	8.0	8.5				8.5		5.5	8.0	8.5								3.5	6.5				7.5	3.5
23-24				8.5	6.5			8.0	6.0		7.0			4.0		4.0	8.0	5.0		5.5	4.0	8.0	7.0	6.0	8.0
24-25				6.5			6.0		6.5		5.5		7.5		4.5		6.5		8.5	4.5			4.5	4.5	
25-26					5.5			4.5	7.5		4.0		5.5		7.0		5.0	7.5	6.0		4.0	8.0			
26-27									8.0			4.5													7.0
27-28			7.0		4.5		6.5		8.5		8.5	6.0									3.5	8.0			
28-29								7.5			7.0	8.0				5.5		6.0	8.0				7.0		
29-30				7.5	3.5		3.5			3.5	5.5		8.0						5.5			8.0	5.0		6.0

	DY	SZ	UU	VX	DG	DH	RR	SS	TV	WW	SZ	RZ	AV	RV
	HER	HYA	HYA	HYA	HYA	HYA	LEO	LEO	LEO	LEO	LYN	LYR	PEG	UMA
MAX	10.2	10.6	10.7	10.0	11.6	11.4	10.0	10.5	11.5	11.0	9.1	10.0	9.9	10.1
MIN	10.6	11.7	12.3	10.7	12.6	12.6	11.7	12.0	12.6	12.0	-9.6	12.0	10.9	11.2
DUR	2	4	6	3	4	4	3	5	6	7	2	3	3	4

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

	SW	XX	AT	SW	TZ	RS	ST	SW	SZ	TV	TW	UU	UY	RW	TT	RR	XZ	DM	RW	XZ	RR	TW	VX	AR	DL	
	AND	AND	AND	AQR	AUR	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CNC	CNC	CET	CYG	CYG	DRA	DRA	GEM	HER	HER	HER	HER	
MAX	9.3	10.3	10.8	10.5	11.2	9.8	10.6	11.3	12.0	10.8	10.8	11.2	10.6	10.7	11.0	9.3	9.1	11.2	11.0	9.6	10.7	10.5	9.9	10.6	11.0	
MIN	10.8	11.6	11.5	12.1	12.8	11.3	11.8	12.7	13.4	11.5	12.1	12.7	12.0	12.6	12.3	10.3	10.5	12.7	12.0	10.3	11.9	11.8	10.4	11.6	12.4	
DUR	4	6	5	2	3	4	5	3	3	5	5	3	4	3	4	3	4	3	4	5	3	3	4	3	3	
0- 1	7.0	7.0	9.0	5.5		7.0	4.0		4.5	4.0		6.0	8.0				8.0	8.5		9.0		3.0		7.5		
1- 2				3.5					5.5			4.0				8.5	6.5	4.5		8.0		8.0		6.0		
2- 3			5.5			4.0			6.5	8.5			7.0				5.0		8.0	7.0		3.0		4.5	5.0	
3- 4		4.5				7.5	7.0		8.0	7.0							3.0	7.0	5.0	5.5		8.0	7.0	3.0		
4- 5	6.5			9.0					9.0	5.5	4.5	8.5	5.5					3.0		4.5		3.0	5.0			
5- 6		8.5	7.5	7.0		4.5	3.5			4.0	6.0	6.5		3.0						3.5		7.5	3.0		4.0	
6- 7				5.0		7.5					7.5	4.5	4.5		3.0	8.0		5.5	7.5		3.0				8.5	
7- 8	8.5		4.0							8.5	9.0						8.0		5.0		7.5			8.5		
8- 9	6.0	5.5			3.5	5.0	6.5	3.5		7.0			3.5				6.5	7.5					7.5	7.0	3.0	
9-10						8.0		4.0		5.5							5.0	4.0				7.5	5.5	5.5	7.5	
10-11			6.0	8.0			3.0	4.5		4.0		7.0					3.0		7.0				3.0	4.0		
11-12	8.0			6.0		5.5	9.0	5.5	4.0					3.5				6.5	4.5	8.0		7.5				
12-13	5.5			4.0		8.5		6.0	5.0	8.5	4.0	3.0								7.0					6.5	
13-14		7.0	8.0				6.0	6.5	6.0	7.0	5.5		8.5					8.5		6.0		7.5	7.5			
14-15						6.0		7.5	7.5	5.5	7.0						8.0	5.0	7.0	4.5			5.5			
15-16	8.0		4.5			9.0		8.0	8.5	4.0	8.5	8.0	7.0		3.5		6.5		4.0	3.5		7.5	3.5	8.0	5.5	
16-17				7.5		3.0	8.5	8.5				5.5					5.0	7.0						7.0		
17-18				5.5	4.0	6.5				8.5		3.5	6.0	4.0			3.0	3.5				7.5		5.5		
18-19		8.5	6.5				5.0			7.0									6.5				8.0	4.0	4.5	
19-20	7.5					3.5				5.5			5.0					5.5	4.0			7.5	5.5		9.0	
20-21						7.0				4.0	3.5	8.5											3.5			
21-22		6.0	8.5	8.5			8.0					5.0	6.5	4.0				8.0	8.0	9.0	8.0		7.5		3.5	
22-23				6.5		4.0			3.5	8.5	6.5	4.5				9.0	6.5	4.5	6.0	7.0	4.0				8.0	
23-24	7.0		5.0	5.0		7.0	4.5		4.5	7.0	8.0			4.5			4.5		3.5	6.0		7.5	8.0	8.0		
24-25					5.0				5.5	5.5							4.0		3.0	6.5		4.0	6.0	6.5		
25-26						4.5			7.0	4.0		9.0							8.5	3.5		7.0	3.5	5.0	7.0	
26-27		7.5	7.0		4.0	7.5	7.5		8.0			7.0	8.5					9.0	6.0		3.5			3.5		
27-28	6.5			8.0				3.5	9.0	8.5		5.0						5.0	3.0			7.0				
28-29				6.0	3.0	5.0	4.0	4.0		7.0	3.0		7.5								3.5		8.0		6.0	
29-30			9.0			8.0		4.5		5.5	4.5			5.0			6.5	7.5	8.5			7.0	6.0			
30-31	8.5							5.5		4.0	6.5		6.5				4.5	3.5	5.5		3.0		4.0			

	DY	SZ	UU	VX	DH	RR	SS	TV	SZ	RZ	AV	RV
	HER	HYA	HYA	HYA	HYA	LEO	LEO	LEO	LYN	LYR	PEG	UMA
MAX	10.2	10.6	10.7	10.0	11.4	10.0	10.5	11.5	9.1	10.0	9.9	10.1
MIN	10.6	11.7	12.3	10.7	12.6	11.7	12.0	12.6	-9.6	12.0	10.9	11.2
DUR	2	4	6	3	4	3	5	6	2	3	3	4

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

## AAVSO RR LYR Ephemeris for August 2006

all times U.T.

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	SW	XX	AT	SW	TZ	BH	RS	ST	SW	SZ	TV	TW	UU	UY	RW	TT	RR	XZ	DM	RW	XZ	RR	TW	VX	AR	
	AND	AND	AND	AQR	AUR	AUR	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CNC	CNC	CET	CYG	CYG	DRA	DRA	GEM	HER	HER	HER	
MAX	9.3	10.3	10.8	10.5	11.2	11.1	9.8	10.6	11.3	12.0	10.8	10.8	11.2	10.6	10.7	11.0	9.3	9.1	11.2	11.0	9.6	10.7	10.5	9.9	10.6	
MIN	10.8	11.6	11.5	12.1	12.8	12.6	11.3	11.8	12.7	13.4	11.5	12.1	12.7	12.0	12.6	12.3	10.3	10.5	12.7	12.0	10.3	11.9	11.8	10.4	11.6	
DUR	4	6	5	2	3	4	4	5	3	3	5	5	3	4	3	4	3	4	3	4	5	3	3	4	3	
0- 1	6.0	9.0	5.5				5.5	7.0	6.0		2.5	8.0	7.5				5.0	3.0		3.0	8.5		7.0		7.5	
1- 2	3.0			9.0					6.5		8.5		5.5	5.5			7.5		6.0		7.5		2.5		6.5	
2- 3				7.5			2.5	3.5	7.5	3.0	7.0		3.5						2.0	8.0	6.0		7.0	8.5	5.0	
3- 4	8.0	6.0	7.5	5.5	9.5	8.0	6.0	9.5	8.0	4.0	5.5			4.0				9.5	8.5	5.0	5.0		2.0	6.5	3.5	
4- 5	5.5			3.5					8.5	5.0	4.0							8.0	4.5	2.5	4.0		7.0	4.0		
5- 6	2.5		4.0		8.5		3.0	6.5		6.5	2.5	3.0	8.5	3.0				6.5					2.0			
6- 7		3.5	9.5				6.5			7.5	8.5	4.5	6.0				7.0	4.5	7.0	7.5			7.0			
7- 8	7.5			8.5				3.0			7.0	6.0	4.0				9.5	3.0	3.0	5.0				8.5	9.0	
8- 9	5.0	7.5	6.0	6.5	2.0	8.5	3.5	9.0			5.5	7.5							9.5	2.0			7.0	6.5	7.5	
9-10				4.5			6.5				4.0	9.0							5.5		9.5			4.5	6.0	
10-11			2.0	2.5				6.0			2.5		9.0					9.5		7.5	8.5		7.0	2.0	4.5	
11-12	7.0	5.0	8.0				4.0				8.5		7.0				6.5	8.0	8.0	4.5	7.5				3.0	
12-13	4.5			10.0	9.5		7.0	2.5			7.0		5.0				9.0	6.5	4.0		6.5		7.0	9.0		
13-14		9.0	4.0	8.0		9.0		8.5	2.0	2.5	5.5	2.5	2.5					4.5		9.5	5.0			6.5		
14-15	9.5			6.0	8.5		4.5		3.0	3.5	4.0	4.0		5.5				3.0	6.5	7.0	4.0		6.5	4.5		
15-16	7.0			4.0			7.5	5.5	3.5	4.5	2.5	5.5	9.5						2.5	4.0	3.0			2.5	8.5	
16-17	4.0	6.5	6.5						4.0	6.0	8.5	7.0	7.5	4.5			6.0		9.0				6.5		7.0	
17-18					2.5		5.0		5.0	7.0	7.0	8.5	5.5				8.5	9.5	5.0	9.5				9.0	6.0	
18-19	9.0		2.5	9.0		9.5	8.0	8.0	5.5	8.0	5.5		3.5	3.5				8.0		6.5			6.5	7.0	4.5	
19-20	6.5	4.0	8.5	7.0			2.0		6.0	9.0	4.0							6.0	7.5	4.0	10.0			5.0	3.0	
20-21	3.5			5.0			5.5	5.0	6.5		2.5			2.5	2.5			4.5	3.5		8.5		6.5	2.5		
21-22		8.0	4.5	3.0	10.0		8.5		7.5		8.5		8.0					3.0	10.0	9.0	7.5					
22-23	8.5						2.5		8.0		7.0	3.5	6.0				8.0		6.0	6.5	6.5		6.5	9.5		
23-24	6.0				9.0	9.5	6.0	7.5	8.5		5.5	5.0	4.0							3.5	5.5			7.0	8.5	
24-25		5.0	7.0	8.5			9.0		9.5		4.0	6.5						9.5	8.5		4.0		6.5	5.0	7.0	
25-26				6.5			3.0	4.5		3.0	2.5	8.0		7.5				8.0	4.5	8.5	3.0		6.5	3.0	5.5	
26-27	8.0	9.0	3.0	4.5	2.5		6.5			4.0	8.5	10.0	8.5		3.0			6.0		6.0			6.5		4.0	
27-28	5.5		9.0				9.5			5.5	7.0		6.5	6.0			7.5	4.5	7.0	3.5				9.5	2.5	
28-29							3.5	7.0		6.5	5.5		4.5			2.0		3.0	3.0				6.5	7.5		
29-30		6.5	5.0	9.5			6.5			7.5	4.0		2.5	5.0					9.0	8.5					5.0	
30-31	7.5			7.5				4.0		8.5	2.5	3.0							5.5	5.5	9.0	2.5	6.5	3.0	9.5	

	DL	DY	RR	SS	TV	SZ	RZ	AV	RV
	HER	HER	LEO	LEO	LEO	LYN	LYR	PEG	UMA
MAX	11.0	10.2	10.0	10.5	11.5	9.1	10.0	9.9	10.1
MIN	12.4	10.6	11.7	12.0	12.6	-9.6	12.0	10.9	11.2
DUR	3	2	3	5	6	2	3	3	4

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

	SW	XX	AT	SW	TZ	BH	RS	ST	SW	SZ	TV	TW	UU	UY	RW	TT	RR	XZ	DM	RW	XZ	RR	TW	VX	AR
	AND	AND	AND	AQR	AUR	AUR	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CNC	CNC	CET	CYG	CYG	DRA	DRA	GEM	HER	HER	HER
MAX	9.3	10.3	10.8	10.5	11.2	11.1	9.8	10.6	11.3	12.0	10.8	10.8	11.2	10.6	10.7	11.0	9.3	9.1	11.2	11.0	9.6	10.7	10.5	9.9	10.6
MIN	10.8	11.6	11.5	12.1	12.8	12.6	11.3	11.8	12.7	13.4	11.5	12.1	12.7	12.0	12.6	12.3	10.3	10.5	12.7	12.0	10.3	11.9	11.8	10.4	11.6
DUR	4	6	5	2	3	4	4	5	3	3	5	5	3	4	3	4	3	4	3	4	5	3	3	4	3
0- 1	5.0	10.5	1.5	6.0			4.0		1.5			4.5		4.0			4.5	9.5	1.5	3.0	7.5	7.5	1.5		8.0
1- 2	2.0	4.0	7.0	4.0	9.0				2.0			6.5					7.0	8.0	8.0		6.5		6.5		6.5
2- 3	10.0			2.0		10.5	1.5	6.5	3.0		5.5		5.0	2.5			9.5	6.0	4.0	8.0	5.5	7.0	1.5		5.5
3- 4	7.0	8.0	3.5		8.0	8.5	4.5		3.5		4.0		3.0					4.5	10.0	5.5	4.5		6.5	5.5	4.0
4- 5	4.5	1.5	9.5	9.0		6.5		3.5	4.0	1.5	2.5			1.5	10.0	10.0		3.0	6.5	2.5	3.0		1.5	3.5	2.5
5- 6	1.5			7.0	7.0		1.5		5.0	2.5							4.0	1.5	2.5	10.5	2.0		6.0		
6- 7	9.5	5.5	5.5	5.0		5.0			5.5	3.5	7.0	1.5					6.5		8.5	7.5			1.5		
7- 8	6.5			3.0	6.0			6.0	6.0	5.0	5.5	3.0	6.0				9.0	9.5	5.0	5.0			6.0		9.5
8- 9	4.0	9.5	2.0		10.0	9.0	2.0			6.0	4.0	4.5	4.0					8.0		2.5	10.0		1.5	5.5	8.0
9-10		3.0	7.5	10.0		6.5	5.5	2.5			2.5	6.0	1.5					6.0	7.0	10.0	9.0	10.5	6.0	3.5	6.5
10-11	9.0			8.5	9.0						1.0	7.5			10.5			4.5	3.5	7.5	8.0		1.5	1.5	5.0
11-12	6.0	7.0	4.0	6.5			2.5				7.0						6.0	3.0	9.5	4.5	6.5	10.5	6.0		3.5
12-13	3.5		9.5	4.5	8.0		6.0	5.5			5.5		6.5				8.5	1.5	6.0	2.0	5.5		1.0		2.0
13-14				2.5		9.0					4.0		4.5	4.5	10.5				2.0	10.0	4.5	10.0	6.0	6.0	
14-15	8.5	4.0	6.0		7.0	7.0	3.0	2.0			2.5		2.5					9.5	8.0	7.0	3.5			3.5	10.5
15-16	6.0			9.5			6.0	8.0			1.0	2.5		3.0				7.5	4.5	4.5	2.0	9.5	6.0	1.5	9.0
16-17	3.0	8.5	2.5	7.5						2.0	7.0	4.0					5.5	6.0	10.5	1.5					7.5
17-18		1.5	8.0	5.5	10.5		3.5	5.0		3.0	6.0	5.5	7.0	2.0			8.0	4.5	6.5	9.5		9.5	6.0	8.0	6.5
18-19	8.0			3.5		9.5	6.5			4.5	4.5	7.0	5.0				10.5	3.0	3.0	7.0	10.5			6.0	5.0
19-20	5.5	5.5	4.5	1.5	9.5	7.5		1.5	1.5	5.5	3.0	8.5	3.0					1.5	9.0	4.0	9.0	9.0	6.0	4.0	3.5
20-21	2.5		10.0	11.0			4.0	7.5	2.0	6.5	1.5								5.0	1.5	8.0		10.5	2.0	2.0
21-22	10.5	9.5		9.0	8.5		7.0		3.0		7.5						5.0	9.5	1.5	9.0	7.0	8.5	6.0		
22-23	7.5	3.0	6.5	7.0			1.0	4.5	3.5		6.0		7.5				7.5	7.5	7.5	6.5	5.5		10.5		10.5
23-24	5.0			5.0	7.5	10.0	4.5		4.0		4.5	2.0	5.5				10.0	6.0	4.0	3.5	4.5	8.5	6.0	6.5	9.0
24-25	2.0	7.0	3.0	3.0		8.0	7.5		5.0		3.0	3.5	3.5					4.5	10.0		3.5		10.5	4.0	7.5
25-26	10.0		8.5			6.0	1.5	7.0	5.5		1.5	5.0	1.5					3.0	6.0	9.0	2.5		5.5	2.0	6.0
26-27	7.0			10.0	10.5		5.0		6.0		7.5	6.5		4.5				1.5	2.5	6.0	1.0		10.5		4.5
27-28	4.5	4.5	5.0	8.0			8.0	4.0	7.0	1.5	6.0	8.0	8.5				7.0		8.5	3.5			5.5	8.5	3.0
28-29			10.5	6.0	9.5	10.5	2.0		7.5	2.5	4.5		6.5	3.5			9.5	9.5	4.5		10.5		10.5	6.5	1.5
29-30	9.5	8.5	1.5	4.0		8.5	5.5		8.0	4.0	3.0		4.0					7.5		8.5	9.5		5.5	4.5	

	DL	DY	RR	SS	WW	SZ	RZ	AV	RV
	HER	HER	LEO	LEO	LEO	LYN	LYR	PEG	UMA
MAX	11.0	10.2	10.0	10.5	11.0	9.1	10.0	9.9	10.1
MIN	12.4	10.6	11.7	12.0	12.0	-9.6	12.0	10.9	11.2
DUR	3	2	3	5	7	2	3	3	4

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

	SW	XX	AT	SW	TZ	BH	RS	ST	SW	SZ	TV	TW	UU	UY	RW	TT	RR	XZ	DM	RW	XZ	RR	TW	VX	AR	
	AND	AND	AND	AQR	AUR	AUR	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CNC	CNC	CET	CYG	CYG	DRA	DRA	GEM	HER	HER	HER	
MAX	9.3	10.3	10.8	10.5	11.2	11.1	9.8	10.6	11.3	12.0	10.8	10.8	11.2	10.6	10.7	11.0	9.3	9.1	11.2	11.0	9.6	10.7	10.5	9.9	10.6	
MIN	10.8	11.6	11.5	12.1	12.8	12.6	11.3	11.8	12.7	13.4	11.5	12.1	12.7	12.0	12.6	12.3	10.3	10.5	12.7	12.0	10.3	11.9	11.8	10.4	11.6	
DUR	4	6	5	2	3	4	4	5	3	3	5	5	3	4	3	4	3	4	3	4	5	3	3	4	3	
0- 1	6.5	2.0	7.0	2.5	8.5	6.0					1.5		2.0			8.0	1.0	6.0	7.0	6.0	8.0		1.0	2.0		
1- 2	4.0					4.0	2.5					1.5				11.0	3.5	4.5	3.0	3.0	7.0	7.0	5.5			
2- 3	1.0	6.0	3.5		7.5			3.5				3.0		1.0	8.0		6.0	3.0	9.5	11.0	6.0		1.0		7.0	
3- 4	9.0		9.0	7.5		11.0					4.5	5.0			10.0		9.0	1.5	5.5	8.0	5.0	6.5	5.5		6.0	
4- 5	6.0	10.0		5.5	6.5	9.0	3.0				3.0		5.0				11.5	11.0	1.5	5.5	3.5	11.5	0.5	4.5	4.5	
5- 6	3.5	3.5	5.5	3.5	11.0	6.5					1.5		3.0			9.5		9.5	8.0	2.5	2.5	6.5	5.5	2.5	3.0	
6- 7	0.5		11.0	1.5	5.5	4.5							0.5				3.0	7.5	4.0	10.5	1.5	11.0	0.5		1.5	
7- 8	8.5	7.5	2.0		10.0		3.5	3.0	1.0								5.5	6.0	10.5	8.0		6.0	5.5			
8- 9	5.5	0.5	7.5	8.5	4.5	11.5			1.5	1.0	4.5				8.5		8.0	4.5	6.5	5.0	10.5	10.5	0.5			
9-10	3.0	11.5		6.5	9.0	9.0	1.0		2.5	2.0	3.0	1.5	5.5		10.5	8.5	11.0	3.0	2.5	2.5	9.5	5.5	5.5	5.0		
10-11	11.0	4.5	4.0	5.0		7.0	4.0	5.5	3.0	3.5	1.5	3.0	3.5			11.5		1.5	9.0	10.5	8.5	10.5	0.5	2.5	7.0	
11-12	8.0		9.5	3.0	8.0	5.0			3.5	4.5		4.5	1.5					2.5	11.0	5.0	7.5	7.0	5.5	0.5	5.5	
12-13	5.0	8.5		1.0			1.0	2.5	4.0			6.0						5.0	9.0	1.0	5.0	6.0	10.0	0.5		4.0
13-14	2.5	2.0	6.0		7.0		4.5		5.0		4.5			3.0			7.5	7.5	7.5	2.0	5.0		5.5		2.5	
14-15	10.5			8.0	11.0	9.5					3.0		6.0		8.5	10.0	10.0	6.0	3.5	10.0	4.0	9.5		5.0	1.0	
15-16	7.5	6.0	2.5	6.0	6.0	7.5	1.5	5.0			1.5		4.0	1.5	11.0			4.5	10.0	7.0	2.5		5.0	3.0		
16-17	5.0		8.0	4.0	10.0	5.5	5.0						2.0				2.0	3.0	6.0	4.5	1.5	9.5		0.5		
17-18	2.0	10.0		2.0	5.0			2.0			6.0	1.0		0.5				4.5	1.0	2.0	1.5		5.0		8.0	
18-19	10.0	3.5	4.5		9.0		2.0				4.5	2.5				8.5	7.0	11.0	8.5	9.5	10.5	9.0			6.5	
19-20	7.0		10.0	9.0		10.0	5.5			0.5	3.0	4.0					9.5	9.0	4.5	7.0	9.5		5.0	5.0	5.5	
20-21	4.5	7.5	1.0	7.5	8.0	8.0		4.5			1.5	1.5	5.5	4.5		9.0			7.5	0.5	4.0	8.5	8.5		3.0	4.0
21-22	1.5	1.0	6.5	5.5		6.0	2.5				3.0			2.5	11.5			6.0	7.0	1.5	7.5		5.0	1.0	2.5	
22-23	9.5			3.5	7.0		5.5	1.5			4.0	6.0		0.5				4.0	4.5	3.0	9.5	6.0	8.5			1.0
23-24	6.5	5.0	3.0	1.5	11.5					5.0	4.5					10.5		6.5	3.0	9.5	6.5	5.0		5.0		
24-25	4.0		8.5		6.0	10.5	3.0				3.0							9.0	1.0	5.5	4.0	4.0	8.0		5.5	
25-26	1.0	9.0		8.5	10.5	8.5	6.0	4.0			1.5	0.5	5.5						11.0	1.5	1.0	3.0		5.0	3.5	8.0
26-27	9.0	2.5	5.0	6.5		6.0			1.0			2.0	3.5	3.0	9.5			9.0	8.0	9.0	1.5	7.5		1.0	6.5	
27-28	6.0		10.5	4.5	9.5		3.5	0.5	1.5		6.0	3.5	1.0			9.0		3.5	7.5	4.0	6.0	0.5		5.0		5.0
28-29	3.5	6.5	1.5	2.5				6.5	2.5		4.5	5.0		2.0				6.0	6.0	10.0	3.5	11.0	7.5			3.5
29-30	0.5		7.0	0.5	8.5	11.0	0.5		3.0		3.0	6.5						8.5	4.5	6.5	0.5	9.5		5.0	5.5	2.0
30-31	8.5	10.5		10.0		8.5	4.0	3.5	3.5		1.5		6.0	1.0				11.0	3.0	2.5	8.5	8.5	7.0		3.5	0.5

	DL	DY	SZ	UU	VX	DH	RR	WW	SZ	RZ	AV	RV
	HER	HER	HYA	HYA	HYA	HYA	LEO	LEO	LYN	LYR	PEG	UMA
MAX	11.0	10.2	10.6	10.7	10.0	11.4	10.0	11.0	9.1	10.0	9.9	10.1
MIN	12.4	10.6	11.7	12.3	10.7	12.6	11.7	12.0	-9.6	12.0	10.9	11.2
DUR	3	2	4	6	3	4	3	7	2	3	3	4

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

	SW	XX	AT	SW	TZ	BH	RS	ST	SW	SZ	TV	TW	UU	UY	RW	TT	RR	XZ	DM	RW	XZ	RR	TW	VX	AR
	AND	AND	AND	AQR	AUR	AUR	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CNC	CNC	CET	CYG	CYG	DRA	DRA	GEM	HER	HER	HER
MAX	9.3	10.3	10.8	10.5	11.2	11.1	9.8	10.6	11.3	12.0	10.8	10.8	11.2	10.6	10.7	11.0	9.3	9.1	11.2	11.0	9.6	10.7	10.5	9.9	10.6
MIN	10.8	11.6	11.5	12.1	12.8	12.6	11.3	11.8	12.7	13.4	11.5	12.1	12.7	12.0	12.6	12.3	10.3	10.5	12.7	12.0	10.3	11.9	11.8	10.4	11.6
DUR	4	6	5	2	3	4	4	5	3	3	5	5	3	4	3	4	3	4	3	4	5	3	3	4	3
0- 1	5.5	4.0	3.5		7.5	6.5				1.0		10.0			8.0	8.0	0.5	1.0	8.5	6.0	7.5	11.5	5.0	1.5	10.5
1- 2	3.0		9.0	6.0	2.0	4.5	1.0					11.5	2.0		10.0	11.0	3.0	11.0	5.0	3.0	6.5	6.5			
2- 3	10.5	8.0		4.0	6.5	2.5							10.5				5.5	9.0	1.0	0.5	5.0	11.5	5.0		
3- 4	8.0	1.0	5.5	2.0	10.5	11.0					3.0	1.5					8.0	7.5	7.5	8.5	4.0	6.5			
4- 5	5.0		11.0		5.5	9.0	1.5	3.0			1.5	3.0				6.5	10.5	6.0	3.5	5.5	3.0	11.0	5.0		5.0
5- 6	2.5	5.0	2.0		9.5	7.0									6.0	9.5		4.5		3.0	2.0	6.0		1.5	3.5
6- 7	10.0		7.5	7.0	4.5	5.0							2.5		8.5		2.5	3.0	6.0	10.5	0.5	10.5	4.5		2.0
7- 8	7.5	9.0		5.0	8.5	3.0	2.0						0.5		10.5		5.0	1.0	2.0	8.0	11.0	6.0			0.5
8- 9	4.5	2.5	4.0	3.5	3.5	11.5		11.5			3.0						7.5	11.0	8.0	5.0	10.0	10.5	4.5		10.5
9-10	2.0		9.5	1.5	7.5	9.5		2.5	10.0	11.0	1.5	11.0				8.0	10.0	9.0	4.5	2.5	8.5	5.5			
10-11	10.0	6.5	0.5		2.5	7.5	2.5		11.0							11.0		7.5	0.5	10.5	7.5	10.0	4.5	2.0	
11-12	7.0		6.0		6.5	5.5		11.5	0.5		1.5	3.0			6.5		2.0	6.0	6.5	7.5	6.5	5.0			6.0
12-13	4.0	10.5	11.5	6.5	10.5	3.0			2.0		3.0	1.0			9.0		4.5	4.5	3.0	5.0	5.5	9.5	4.5		4.5
13-14	1.5	4.0	2.5	4.5	5.5		3.0		0.5		3.0				11.0	7.0	7.0	2.5	9.0	2.0	4.0	5.0			3.0
14-15	9.5		8.0	2.5	9.5	10.0		2.0	1.0		1.5					10.0	9.5	1.0	5.5	10.0	3.0	9.5	4.5		1.5
15-16	6.5	8.0		0.5	4.5	8.0	0.5		1.5									10.5	1.5	7.5	2.0	4.5		2.0	11.5
16-17	4.0	1.5	4.5		8.5	5.5			2.5				3.5				1.5	9.0	7.5	4.5	1.0	9.0	4.5		
17-18	1.0		10.0	7.5	3.5	3.5		4.5	3.0			10.5	1.5		7.0		4.0	7.5	4.0	2.0	11.0	4.0			
18-19	9.0	5.5	1.0	6.0	7.5	1.5	0.5		3.5		3.0				9.0	8.5	6.5	6.0	10.0	9.5	10.0	9.0	4.5		
19-20	6.0		6.5	4.0		10.5		1.5			1.5	1.0			11.5	11.5	9.0	4.5	6.0	7.0	9.0	4.0			5.5
20-21	3.5	9.5		2.0	6.5	8.0						2.5					11.5	2.5	2.5	4.0	8.0	8.5	4.5	2.0	4.5
21-22	0.5	3.0	3.0		11.0	6.0	1.0					4.0						1.0	1.0	8.5	1.5	6.5			3.0
22-23	8.5		8.5		5.5	4.0		4.0					2.5			7.0	3.5	10.5	4.5	9.5	5.5	8.0	4.5		1.5
23-24	5.5	7.0		7.0	10.0	2.0				1.5	3.0				7.5	10.0	6.0	9.0	1.0	6.5	4.5				11.0
24-25	3.0		5.0	5.0	4.5	10.5	1.5	1.0		2.5	1.5				9.5		8.5	7.5	7.0	4.0	3.5	8.0	4.5	4.5	
25-26	10.5	11.0	10.5	3.0	9.0	8.5				3.5			1.5				11.0	6.0	3.5	1.0	2.0			2.5	
26-27	8.0	4.0	1.5	1.0	3.5	6.5												4.5	9.5	9.0	1.0	7.5	4.0	0.5	7.0
27-28	5.0		7.0		8.0	4.5	2.0	3.5			4.5	0.5	3.0	0.5		9.0	3.0	2.5	5.5	6.5	11.5				5.5
28-29	2.5	8.5		8.5		2.5					3.0	2.0	1.0				5.5	1.0	2.0	3.5	10.0	7.0	4.0		4.0
29-30	10.0	1.5	3.5	6.5	7.0	11.0		0.5			1.5	3.5			8.0		8.0	10.5	8.0	1.0	9.0	11.5			2.5

	DL	DY	SZ	UU	VX	DG	DH	RR	SS	TV	WW	SZ	RZ	AV	RV
	HER	HER	HYA	HYA	HYA	HYA	HYA	LEO	LEO	LEO	LEO	LYN	LYR	PEG	UMA
MAX	11.0	10.2	10.6	10.7	10.0	11.6	11.4	10.0	10.5	11.5	11.0	9.1	10.0	9.9	10.1
MIN	12.4	10.6	11.7	12.3	10.7	12.6	12.6	11.7	12.0	12.6	12.0	-9.6	12.0	10.9	11.2
DUR	3	2	4	6	3	4	4	3	5	6	7	2	3	3	4
0- 1		0.5	10.5	10.0	8.5		8.5				8.0	4.5	4.5	8.5	8.0
1- 2	2.0	1.5		11.0	11.5		8.0					3.5	5.0	3.0	6.5
2- 3		2.5			8.5	10.0	7.5					2.5	5.5	7.5	5.0
3- 4					11.5			9.5	10.5		8.5	5.0	6.0	2.0	3.5
4- 5	1.0	1.0			9.0			7.5				4.0	6.5	6.0	2.0
5- 6		2.0				10.0						3.0		1.0	0.5
6- 7			8.5		9.0						8.5	5.0		5.0	10.0
7- 8			10.0					11.5				4.0		9.0	8.5
8- 9		1.0			9.5	10.5		9.0	10.5			3.5		4.0	7.0
9-10		2.0		7.5						9.0		5.5		8.0	5.5
10-11		3.0		8.5	9.5							4.5		2.5	4.0
11-12	3.5	0.5		10.0		11.0						3.5		7.0	2.5
12-13		1.5		11.0	10.0			10.5			9.5	3.0		1.5	1.0
13-14		2.5	8.0					8.5	11.0			5.0		5.5	10.5
14-15	2.5	3.5	9.5		10.0	11.5						4.0		0.5	9.0
15-16		1.0	11.5							10.0		3.0		4.5	7.5
16-17		2.0			10.5							5.0	0.5	8.5	6.0
17-18	1.5	3.0					11.5	10.0				4.5	1.5	3.5	4.5
18-19				10.5			11.0	8.0	11.5		10.0	3.5	2.0	7.5	3.0
19-20		1.0					10.0					5.5	2.5	2.0	1.5
20-21	0.5	2.0			11.0		9.5					4.5	3.0	6.0	11.0
21-22		3.0	9.5	8.5			9.0			10.5		4.0	3.5	1.0	9.5
22-23		0.5	11.0	10.0	11.0		8.5	9.5				6.0	4.0	5.0	8.0
23-24		1.5		11.0					11.5	10.5		5.0	4.5	9.0	6.5
24-25	4.0	2.5			11.5						11.0	4.0	5.0	4.0	5.0
25-26		3.5								11.0		6.0	5.5	8.0	3.5
26-27		1.0			11.5			11.5				5.5	6.0	3.0	2.0
27-28	3.0	2.0						9.0		11.0	11.0	4.5	6.5	7.0	0.5
28-29		3.0	9.0									6.5	7.0	1.5	10.0
29-30		3.5	10.5							11.5		5.5	8.0	5.5	8.5

	SW	XX	AT	SW	TZ	BH	RS	ST	SW	SZ	TV	TW	UU	UY	RW	TT	RR	XZ	DM	RW	XZ	RR	TW	VX	AR	
	AND	AND	AND	AQR	AUR	AUR	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CNC	CNC	CET	CYG	CYG	DRA	DRA	GEM	HER	HER	HER	
MAX	9.3	10.3	10.8	10.5	11.2	11.1	9.8	10.6	11.3	12.0	10.8	10.8	11.2	10.6	10.7	11.0	9.3	9.1	11.2	11.0	9.6	10.7	10.5	9.9	10.6	
MIN	10.8	11.6	11.5	12.1	12.8	12.6	11.3	11.8	12.7	13.4	11.5	12.1	12.7	12.0	12.6	12.3	10.3	10.5	12.7	12.0	10.3	11.9	11.8	10.4	11.6	
DUR	4	6	5	2	3	4	4	5	3	3	5	5	3	4	3	4	3	4	3	4	5	3	3	4	3	
0- 1	7.5		9.0	4.5	1.5	9.0	11.5		11.5	9.0	0.0				10.0	4.5		9.0	4.0	8.5	8.0	7.0			1.0	
1- 2	4.5	5.5		2.5	6.0	7.0				10.0						7.5		7.5	0.5	6.0	7.0	2.0		0.5	11.0	
2- 3	2.0		5.5	0.5	0.5	5.0	9.0			11.0		8.5				10.5	2.0	6.0	6.5	3.0	5.5	6.5			9.5	
3- 4	9.5	9.5			5.0	2.5		9.0			10.5	10.0			4.0		5.0	4.5	2.5	0.5	4.5	1.5			8.0	
4- 5	7.0	3.0	1.5		9.0	0.5					9.0	11.5	10.5		6.0		7.5	2.5		8.5	3.5	6.0				
5- 6	4.0		7.5		4.0	9.5	0.0				0.0	0.0		11.5	8.5	6.0		1.0	5.0	5.5	2.5	11.0				
6- 7	1.5	7.0		3.5	8.0	7.5		11.5				1.5			10.5	9.0		10.5	1.0	3.0	1.0	6.0		0.5	4.0	
7- 8	9.0	0.5	4.0	1.5	3.0	5.0							10.5				1.5	9.0		0.0	0.0	10.5			2.5	
8- 9	6.5	11.0	9.5		7.0	3.0	0.5				10.5						4.0	7.5	3.5	8.0	10.5	5.5			1.0	
9-10	3.5	4.5	0.0		2.0	1.0					1.5		0.0	9.5	4.5	5.0	7.0	6.0		5.5	9.0	10.0			11.0	
10-11	1.0		6.0		6.0	10.0					0.0	8.0	9.0		6.5	8.0	9.5	4.0	6.0	2.5	8.0	5.0			9.5	
11-12	9.0	8.5		5.0	1.0	7.5	1.0	11.0				9.5			9.0	11.0		2.5	2.0	10.5	7.0	10.0		1.0	8.0	
12-13	6.0	2.0	2.0	3.0	5.0	5.5		2.0		9.5		11.0			11.0			1.0	1.0		7.5	6.0	5.0	4.0		
13-14	3.0		8.0	1.0	9.5	3.5				10.5	10.5							3.5	10.5	4.5	5.0	4.5	9.5			
14-15	0.5	6.0			4.0	1.5	10.5			12.0	1.5	1.5	0.5			6.5	6.0	9.0	0.5	2.0	3.5	4.5	4.0		3.5	
15-16	8.5		4.0		8.5	10.0			9.0	0.5	0.0		9.5		4.5	9.5	9.0	7.5	7.0	10.0	2.5	9.0			2.0	
16-17	5.5	10.0	10.0		3.0	8.0		10.5	9.5						7.0			6.0	3.0	7.5	1.5	4.0	3.5	1.0	0.5	
17-18	3.0	3.5	0.5	4.0	7.5	6.0	11.0	1.5	10.0						9.0		0.5	4.0		4.5	0.0	9.0			10.5	
18-19	10.5		6.5	2.5	2.0	4.0			11.0		10.5				11.5	5.0	3.0	2.5	5.5	2.0	10.5	4.0	3.5		9.0	
19-20	8.0	7.5		0.5	6.5	2.0		11.5			1.5	9.0	1.5			8.0	5.5	1.0	1.5	10.0	9.5	8.5				
20-21	5.0	0.5	2.5		1.0	10.5	11.5				0.0	10.5	10.0	11.0		11.5	8.0	10.5	8.0	7.0	8.0	3.5	3.5			
21-22	2.5	11.5	8.5		5.5	8.5		10.0	0.5						5.0			9.0	4.0	4.5	7.0	8.0		1.5	4.5	
22-23	10.0	4.5		5.5	9.5	6.5		1.0	1.0			1.0			7.5		0.0	7.5	0.0	1.5	6.0	3.0	3.5		3.5	
23-24	7.5		4.5	3.5	4.5	4.5	12.0				10.5	2.5			9.5	7.0	2.5	6.0	6.5	9.5	5.0	8.0			2.0	
24-25	4.5	8.5	10.5	1.5	8.5	2.0				10.0	1.5		2.0		12.0	10.0	5.0	4.0	2.5	6.5	3.5	3.0	3.5			0.5
25-26	2.0	2.0	1.0		3.5	0.0	0.0			11.5	0.0		11.0				7.5	2.5		4.0	2.5	7.5				10.5
26-27	9.5		6.5		7.5	9.0											10.0	1.0	5.0	1.0	1.5	2.5	3.5	1.5	9.0	
27-28	7.0	6.0			2.5	7.0		0.5		1.0					5.5	5.5		10.5	1.0	9.0	0.5	7.0				
28-29	4.0		3.0	5.0	6.5	4.5	0.5				10.5	10.0			8.0	8.5	2.0	9.0	7.5	6.5	10.5	12.0	3.5			
29-30	1.5	10.0	9.0	3.0	1.5	2.5					1.5	12.0	2.5		10.0	11.5	4.5	7.5	3.5	3.5	9.5	7.0				4.5
30-31	9.0	3.5		1.0	5.5	0.5		3.0			0.0	0.5	0.5				7.0	6.0		1.0	8.5	11.5	3.5			3.0

	DL	DY	SZ	UU	VX	DG	DH	RR	SS	TV	WW	SZ	RZ	AV	RV
	HER	HER	HYA	HYA	HYA	HYA	HYA	LEO	LEO	LEO	LEO	LYN	LYR	PEG	UMA
MAX	11.0	10.2	10.6	10.7	10.0	11.6	11.4	10.0	10.5	11.5	11.0	9.1	10.0	9.9	10.1
MIN	12.4	10.6	11.7	12.3	10.7	12.6	12.6	11.7	12.0	12.6	12.0	-9.6	12.0	10.9	11.2
DUR	3	2	4	6	3	4	4	3	5	6	7	2	3	3	4

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