

	SW	XX	AT	SW	TZ	YZ	AA	BO	BR	DN	TZ	RS	ST	SW	SZ	TV	TW	UU	UY	UY	RW	TT	VZ
	AND	AND	AND	AQR	AQR	AQR	AQR	AQR	AQR	AQR	AUR	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CAM	CNC	CNC
MAX	9.3	10.3	10.8	10.5	11.6	12.1	11.4	11.6	10.8	10.7	11.2	9.8	10.6	11.3	12.0	10.8	10.8	11.2	10.6	11.5	10.7	11.0	7.2
MIN	10.8	11.6	11.5	12.1	12.4	12.9	13.0	12.6	11.9	11.5	12.8	11.3	11.8	12.7	13.4	11.5	12.1	12.7	12.0	11.9	12.6	12.3	7.9
RISE	2	3	3	1	3	2	2	3	2	3	2	2	3	2	2	3	2	1	2	3	2	3	1
0- 1	10.5	9.0	10.0			7.0						6.5	7.0	8.5	4.5	5.0	7.0		8.5	4.5			
1- 2	7.5			10.0	8.5	9.5	9.0							9.0	5.5	3.5	8.5	9.5		6.0			
2- 3			6.5	8.0					10.0			3.5	3.5	9.5	6.5	2.0	10.5	7.0	7.5				
3- 4				6.5					9.5	9.0	3.0	7.0	9.5	10.5	8.0			5.0		3.0			
4- 5	10.0						10.0		8.5					9.0	6.5		3.0	6.0	4.5		3.0	2.5	
5- 6	7.0	10.5	8.5		8.0			8.0		2.0	4.0	6.5		10.0	5.0	2.0			6.0	4.0			
6- 7						8.5					7.0				3.5	3.5	10.0	5.0					
7- 8			5.0	9.5				10.0				3.0			2.0	5.5	8.0		3.0				
8- 9	9.5	8.0	10.5	7.5						10.5		4.5	9.0				7.0	6.0	4.0	4.5		1.5	
9-10	6.5			5.5	8.0		7.0					7.5		2.0	2.0	6.5	8.5	3.5	6.0				2.5
10-11			7.0									2.0	6.0	2.5	3.0	5.0	10.0		2.5		2.0		
11-12						8.0						5.0		3.0	4.0	3.5		10.5		3.0	4.0		
12-13	9.0			11.0		10.0	8.0				3.5	8.0	2.5	4.0	5.0	2.0		8.5		4.5			
13-14		9.0	9.0	9.0	8.0							2.0	8.5	4.5	6.0		2.0	6.5		6.5			
14-15				7.0				8.5			2.5	5.5		5.0	7.5	6.5	3.5	4.5					2.5
15-16			5.5				9.0		10.5	10.0		8.5	5.0	6.0	8.5	5.0	5.0	2.5	7.5	3.0			
16-17	8.5					7.0		10.5	9.5			2.5		6.5	9.5	3.5	6.5			5.0	2.5		
17-18					8.0	9.5			8.5			6.0	2.0	7.0		2.0	8.0	9.0	6.5		4.5	2.0	
18-19		10.5	7.5	10.0			10.0					9.0	8.0	7.5			9.5	7.0					
19-20				8.0								3.0		8.5		6.5		5.0	5.5	3.5			2.0
20-21	8.0			6.0								6.5	4.5	9.0		5.0		3.0		5.0			
21-22		8.0	9.5		8.0								10.5	9.5	2.5	3.5			4.5				
22-23						8.5				9.5		3.5		10.5	3.5	2.0	3.0	10.0		2.0	3.0		
23-24	10.0		6.0				7.0	9.0			2.5	6.5	7.5		4.5		4.5	7.5	3.0	3.5			
24-25	7.5			9.5											5.5	6.5	6.0	5.5		5.0			2.0
25-26				7.5	8.0							4.0	4.0		7.0	5.0	7.5	3.5	2.0				
26-27		9.5	8.0	5.5			8.0					7.0	10.0		8.0	3.5	9.0			2.0		2.5	
27-28	9.5					8.0									9.0	2.0	10.5	10.5		3.5			
28-29	7.0					10.5		10.5				4.5	7.0	2.0	10.0			8.5	8.0	5.0	3.5		
29-30		7.0	10.0	10.5	8.0		9.0		10.0	8.5		7.5		2.5		6.5		6.5					2.0

	VZ	KV	SS	RV	RZ	VW	YZ	AN	RR	RU	RX	RZ	UU	XX	XZ	DM	RW	XZ	RR	TW	VX	VZ	AR
	CNC	CNC	CVN	CAP	CAP	CAP	CAP	CAP	CET	CET	CET	CET	CET	CYG	CYG	CYG	DRA	DRA	GEM	HER	HER	HER	HER
MAX	7.2	11.9	11.2	10.2	12.5	12.6	11.0	12.0	9.3	10.8	11.0	11.2	11.5	11.4	9.1	11.2	11.0	9.6	10.7	10.5	9.9	10.7	10.6
MIN	7.9	13.0	12.5	11.6	13.5	13.5	11.6	13.0	10.3	12.1	11.7	12.4	12.4	12.5	10.5	12.7	12.0	10.3	11.9	11.8	10.4	12.0	11.6
RISE	1	2	2	2	3	2	3	5	2	3	3	2	3	1	3	2	2	3	2	2	2	2	2
0- 1			6.5	9.0		6.0		7.5		10.0				5.0	5.0		5.0	3.5		8.5	8.5	7.5	9.5
1- 2	2.0		5.5	6.5	5.5										3.5	8.0	2.0	2.5		4.0	6.5	5.0	8.0
2- 3			4.5				6.0							5.5		4.0	10.0			8.5	4.0	2.0	6.5
3- 4			3.5		5.5												7.5			4.0	2.0	9.5	5.0
4- 5			2.5	10.0							9.5			6.0	9.5	6.5	4.5	10.5		8.5	11.0	6.5	4.0
5- 6				7.5	6.0	6.5	6.0	7.5							8.0		2.0	9.5		4.0	8.5	4.0	2.5
6- 7														6.5	6.5	8.5	9.5	8.5		8.5	6.5		
7- 8					6.0			11.0		10.5				2.0	5.0	5.0	7.0	7.0		4.0	4.5	8.5	10.5
8- 9			9.5	10.5			6.5		10.5		10.0			7.0	3.5		4.5	6.0		8.5	2.0	6.0	9.5
9-10			8.5	8.0	6.0								9.0	2.5		7.5		5.0		3.5		3.0	8.0
10-11			7.5	5.5		7.5		7.5						7.5		3.5	9.5	4.0		8.5	9.0		6.5
11-12			6.5		6.0	6.0								3.0	9.5	9.5	6.5	2.5	3.0	3.5	6.5	8.0	5.0
12-13			5.5					10.5			10.5		10.0	8.5	8.0	6.0	4.0			8.5	4.5	5.0	3.5
13-14			4.5	9.0	6.0			10.0						3.5	6.5				2.5	3.5	2.5	2.0	2.0
14-15		2.0	3.5	6.5										9.0	5.0	8.0	9.0	10.5		8.5		10.0	
15-16		2.0	2.5		6.5			7.0					10.5	4.5	3.0	4.5	6.5	9.5	2.0	3.5	9.0	7.0	10.5
16-17		2.0				6.5					10.5			9.5			3.5	8.5		8.5	7.0	4.0	9.0
17-18	3.0	2.0		9.5	6.5			10.5		10.0				5.0		6.5		7.5	2.0	3.5	5.0		7.5
18-19		2.0		7.0					9.5						9.5		8.5	6.0		8.5	2.5	9.0	6.0
19-20		2.5	10.0		6.5									5.5	8.0	9.0	6.0	5.0		3.5		6.0	4.5
20-21		2.5	9.0					7.0							6.5	5.5	3.5	4.0		8.0	9.5	3.0	3.5
21-22		2.5	8.0	10.5	6.5	7.5								6.0	5.0			3.0		3.5	7.0		2.0
22-23	3.0	2.5	7.0	7.5		6.0		10.0							3.0	7.5	8.5			8.0	5.0	8.0	
23-24		2.5	6.0		7.0						10.5			6.5		4.0	5.5			3.5	3.0	5.0	10.0
24-25		3.0	4.5							11.0				2.0		10.0	3.0	11.0		8.0		2.5	9.0
25-26		3.0	3.5		7.0			6.5						7.0	9.5	6.0		9.5		3.5	9.5	10.0	7.5
26-27		3.0	2.5	8.5										2.5	8.0		8.0	8.5		8.0	7.5	7.0	6.0
27-28	3.0	3.0		6.0	7.0	6.5		10.0						7.5	6.5	8.5	5.5	7.5		3.5	5.5	4.5	4.5
28-29		3.0												3.0	5.0	4.5	2.5	6.5		8.0	3.0		3.0
29-30		3.5			7.0								9.0	8.0	3.0		10.5	5.0		3.0			9.0

	DL	DY	DY	DY	LS	SZ	UU	DG	DH	RR	SS	ST	TV	WW	AA	VY	SZ	SZ	SZ	RR	RZ	ST	AV	
	HER	HER	HER	HER	HER	HYA	HYA	HYA	HYA	LEO	LEO	LEO	LEO	LEO	LEO	LMI	LYN	LYN	LYN	LYR	LYR	OPH	PEG	
MAX	11.0	10.2	10.2	10.2	10.8	10.6	10.7	11.6	11.4	10.0	10.5	10.8	11.5	11.0	11.3	13.6	9.1	9.1	9.1	7.1	10.0	11.3	9.9	
MIN	12.4	10.6	10.6	10.6	11.1	11.7	12.3	12.6	12.6	11.7	12.0	12.3	12.6	12.0	12.4	14.6	9.6	9.6	9.6	8.1	12.0	12.7	10.9	
RISE	1	1	1	1	2	2	2	3	2	2	2	2	2	3	2	2	1	1	1	2	2	3	2	
0- 1	2.0	8.5		5.0			3.0			4.5			4.5						3.0	8.0	2.5	3.0		
1- 2	6.5	6.0	9.5	2.0	4.5	2.5				2.5	4.5	6.0		3.5	2.5			2.5				3.5		8.5
2- 3	11.0	3.0	6.5	10.5	2.5							5.0						4.5				4.0	9.0	
3- 4			4.0	7.5								4.0					3.5			4.0	4.5	6.5	7.0	
4- 5	5.5	8.5		5.0	4.5							3.0		3.5	2.5				2.5	7.5	5.0	4.0		
5- 6	10.0	6.0	9.5	2.5	2.5					4.0		2.0						2.0		10.5	5.5		6.0	
6- 7		3.5	7.0	10.5						2.0	4.5					2.5		4.0				6.0	10.0	
7- 8	4.5		4.5	8.0	4.5										2.5	3.5	3.0			3.5	6.5	8.0	5.0	
8- 9	9.0	9.0	2.0	5.5	2.5	2.0			2.0							5.0				2.0	6.5	7.0	5.5	9.0
9-10		6.5	10.0	3.0																4.0	10.0	7.5	3.0	
10-11	3.5	4.0	7.5		4.5		2.0			3.5					2.0							8.0		8.0
11-12	8.0		5.0	8.5	2.5		3.0				5.0							2.5		2.5	8.5	9.0		
12-13		9.5	2.0	5.5				2.0				6.0						4.5			6.0	9.0	6.5	6.5
13-14	2.5	6.5	10.5	3.0	4.5						2.0	5.0			2.0					3.5	9.0	9.5	4.5	
14-15	7.0	4.0	7.5		2.5					5.5		4.0							3.0			10.5	2.0	5.5
15-16			5.0	8.5		2.0		2.5		3.0		3.0					2.0			2.0	11.0	10.5		
16-17		9.5	2.5	6.0	4.5						5.0	2.0			2.0	2.0	4.0			5.0		8.0		
17-18	6.0	7.0	10.5	3.5	2.5											3.5			3.0	8.5		5.5	8.5	
18-19	10.0	4.5	8.0								2.0					4.5			2.5			3.0		
19-20		2.0	5.5	9.0	4.5					5.0									4.5					7.5
20-21	5.0	10.0	3.0	6.5	2.5					2.5								3.5			4.5		9.0	
21-22	9.0	7.5		3.5			2.0				5.5									2.5	7.5	2.0	7.0	6.0
22-23		4.5	8.5		4.5		3.0												2.0	4.5	10.5	2.5	4.5	
23-24	4.0	2.0	5.5	9.0	2.5						2.5	6.0	2.0						4.0			3.0	2.0	5.0
24-25	8.0	10.0	3.0	6.5						4.0		5.0						3.0			3.5	3.5	10.5	9.0
25-26		7.5		4.0	4.5					2.0		3.5	2.0							2.0	6.5	4.0	8.0	
26-27	3.0	5.0	8.5		2.5							2.5			6.0	2.0				4.0	10.0	4.5	5.5	8.0
27-28	7.0	2.5	6.0	9.5									2.5			3.5		3.5				5.0	3.5	
28-29		10.5	3.5	7.0	4.5						2.5					4.5	2.5				3.0	5.5		6.5
29-30	2.0	8.0		4.5	2.5					3.5			3.0		6.0		4.5				6.0	6.0	9.5	

all times in U.T.

	BH	RU	DF	RV	TU
	PEG	SCL	SER	UMA	UMA
MAX	10.0	9.3	11.4	10.1	9.2
MIN	10.8	10.8	13.0	11.2	10.2
RISE	3	2	2	3	3
0- 1				5.5	5.5
1- 2	8.5		8.5	4.0	
2- 3			5.5	2.5	
3- 4	7.0		2.5		
4- 5			10.0	10.5	3.0
5- 6			7.0	9.0	6.0
6- 7			4.0	7.5	
7- 8				6.0	
8- 9	10.0		8.5	4.5	
9-10			5.5	3.0	3.5
10-11	8.0		2.5		6.5
11-12			10.0		
12-13	6.0		7.0	9.5	
13-14			4.0	8.0	
14-15				6.5	4.0
15-16			8.5	5.0	7.0
16-17			5.5	3.5	
17-18	9.0		3.0	2.0	
18-19					2.0
19-20	7.5		7.5	10.0	4.5
20-21			4.5	8.5	
21-22				7.0	
22-23			9.0	5.5	
23-24			6.0	4.0	2.0
24-25	10.5		3.0	2.5	5.0
25-26					
26-27	8.5		7.5	10.5	
27-28		10.5	4.5	9.0	
28-29	6.5	10.5		7.5	2.5
29-30		10.0	9.0	6.0	5.5