

all times in U.T.

	RT	TW	UU	WZ	XZ	AD	BD	BX	DS	QX	QX	CX	XZ	KO	KP	OO	OO	V342	V343	V346	RX	SS	SS
	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AND	AQR	AQL	AQL	AQL	AQL	AQL	AQL	AQL	AQL	ARI	ARI	ARI
MAX	9.3	8.8	11.2	11.6	10.0	11.1	11.3	8.6	10.8	11.3	11.3	10.7	9.3	8.3	9.7	9.2	9.2	9.0	10.6	9.0	9.4	10.1	10.1
MIN	10.2	11.0	14.1	12.6	13.0	11.6	11.7	9.5	11.4	11.6	11.6	12.0	11.2	9.3	10.5	10.1	10.1	12.5	12.3	10.4	9.9	11.1	11.1
DUR	3	11	8	4	3	4	3	4	4	3	3	3	7	5	4	3	3	7	4	4	4	3	3
TOT		2																3					
										(S)							(S)						(S)
0- 1							9.5			1.5			10.5				7.5						
1- 2		11.0					8.0					11.0					8.0						
2- 3	9.0																8.0						
3- 4																	8.5						
4- 5				11.5													8.5						
5- 6								1.5									9.0	9.0	9.5				
6- 7							10.0				1.0	11.0					9.5						
7- 8	10.0						8.5			2.0							9.5						
8- 9					2.0												10.0						
9-10																	10.5						1.0
10-11																	10.5						
11-12				10.5								11.5					11.0				1.5		
12-13	10.5						10.5							9.5			11.5						
13-14							8.5				1.5				7.5		11.5						
14-15	8.0									2.0													
15-16													9.5	6.0									8.5
16-17								1.5				11.5						8.0	10.5	11.0			
17-18	11.5																						
18-19							11.0									7.0			7.0				
19-20	8.5					11.5	9.0	2.5								7.5							
20-21				11.5		11.5	7.5				1.5					8.0							
21-22						11.0						11.5				8.0							
22-23						10.5										8.5							
23-24						10.5								10.0	9.0						1.0		
24-25	9.5					10.0			11.5							9.0							
25-26						9.5	9.5									9.5						7.5	
26-27						9.5	8.0					11.5				10.0				10.0			
27-28			11.5	10.5	2.0	9.0					1.5					10.0							
28-29						8.5										10.5							
29-30	10.0					8.5										11.0			8.5				

	RY	SX	WW	WW	AP	AP	AR	AR	CL	EM	EP	HP	HP	IM	V459	V459	SS	SS	SS	TU	TU	TY	TY	
	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	AUR	BOO	BOO	BOO	BOO	BOO	BOO	BOO	
MAX	11.7	8.2	5.7	5.7	10.9	10.9	6.0	6.0	11.7	11.0	10.8	10.8	10.8	7.9	7.7	7.7	10.3	10.3	10.3	11.7	11.7	11.8	11.8	
MIN	14.0	9.0	6.4	6.4	11.4	11.4	6.7	6.7	13.2	11.9	11.3	11.5	11.5	8.5	8.1	8.1	11.0	11.0	11.0	12.7	12.7	12.3	12.3	
DUR	6	4	5	5	4	4	5	5	4	4	3	3	3	4	4	4	18	18	18	3	3	3	3	
TOT																	6	6	6					
				(S)		(S)		(S)					(S)			(S)	(2)		(3)			(S)	(S)	
0- 1					5.5		2.5		1.5												7.5	3.5	3.0	6.5
1- 2		2.5				2.0								5.5							6.5	2.5	1.5	5.5
2- 3	2.5		5.5			5.0		4.0			5.0						7.0	10.0		6.0	2.0		4.5	
3- 4					1.5															5.5	1.5	7.0	3.0	
4- 5					5.0							4.0					1.5			4.5		6.0	2.0	
5- 6						1.5				1.5	4.0						3.0			4.0		4.5		
6- 7						5.0								5.5			4.5			3.5	7.0	3.5	7.5	
7- 8		4.0			1.5												6.0			2.5	6.5	2.5	6.0	
8- 9					4.5						3.0									2.0	6.0	1.0	5.0	
9-10						1.0							3.5							1.5	5.5		4.0	
10-11						4.5													3.5		4.5	6.5	2.5	
11-12				1.5	1.0						2.0			5.0							4.0	5.5	1.5	
12-13					4.5															7.0	3.5	4.0		
13-14		5.0														2.5				6.5	2.5	3.0	7.0	
14-15						4.0				4.0		3.0				4.0				6.0	2.0	2.0	5.5	
15-16											5.5					5.5				5.5	1.5		4.5	
16-17				2.5	4.0									5.0						4.5		7.0	3.5	
17-18					7.5															4.0		6.0	2.0	
18-19		1.0				4.0					4.0									3.5	7.0	5.0	1.0	
19-20						7.0														2.5	6.5	3.5	7.5	
20-21					3.5															2.0	6.0	2.5	6.0	
21-22	4.0			4.0	7.0				5.0		3.0			4.5		1.5				1.5	5.0	1.5	5.0	
22-23						3.5										3.0					4.5		4.0	
23-24						7.0										4.5					4.0	6.5	2.5	
24-25		2.5			3.5						2.0	2.0				6.0				7.0	3.5	5.5	1.5	
25-26					6.5					2.5							3.0	6.0	9.0	6.5	2.5	4.0		
26-27				5.0		3.0			4.5					4.5						6.0	2.0	3.0	7.0	
27-28						6.5					1.0									5.0	1.5	2.0	5.5	
28-29					3.0						5.5									4.5			4.5	
29-30					6.5		1.0						1.5		1.0					4.0		7.0	3.5	

all times in U.T.

	TZ	TZ	UW	VW	VW	ZZ	AD	AD	BW	BW	44	44	Y	SV	AL	AN	CD	CD	R	RT	SX	TU	TZ
	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	BOO	CAM	CAM	CAM	CAM	CAM	CAM	CMA	CMA	CMA	CMA	CMA
MAX	10.6	10.6	10.4	10.5	10.5	6.8	9.8	9.8	7.1	7.1	4.7	4.7	10.6	8.6	10.5	9.7	11.6	11.6	6.2	11.4	10.3	9.7	9.8
MIN	11.1	11.1	11.4	11.0	11.0	7.6	10.4	10.2	7.5	7.5	4.9	4.8	12.4	9.4	11.3	10.5	11.8	11.8	6.8	12.9	11.4	10.7	10.5
DUR	3	3	3	3	3	5	4	4	5	5	3	3	6	3	5	8	5	5	4	5	4	4	4
TOT																							
		(S)			(S)	(S)		(S)		(S)		(S)					(S)						
0- 1	6.0	2.5	7.0	5.5		7.0						3.5	1.5	10.5			5.5						
1- 2	3.5	7.0	7.5	6.0	2.0					7.0	2.0	5.0						9.0				2.0	
2- 3		4.5	7.5	6.5	2.5						3.5			5.0	8.0			3.5	2.5				
3- 4	5.5	2.0	7.5	7.0	3.0				6.0		5.5	2.0	9.0	9.5			7.0						
4- 5	3.0	6.5	7.5	8.0	4.0		1.0					4.0					1.5	10.5			3.5		
5- 6		4.0	8.0		4.5	6.5		2.0			2.5	5.5		4.5				5.0					
6- 7	4.5	1.0	8.0		5.0		3.0				4.0	1.0		9.0	8.0		8.5			1.0			
7- 8	2.0	5.5	8.0	1.5	5.5			3.5			6.0	2.5					2.5						
8- 9	6.5	3.0	8.0	2.0	6.5		4.5				1.0	4.5		3.5				6.0					
9-10	4.0		8.0	3.0	7.0			5.5			3.0	6.0		8.0			9.5						3.0
10-11	1.5	5.0	8.5	3.5	7.5	6.5	6.0				4.5	1.5			7.5	10.5	4.0		1.5			2.5	
11-12	6.0	2.5	8.5	4.0				7.0		7.0	6.5	3.0		2.5				7.5					
12-13	3.5	7.0	8.5	5.0			8.0				1.5	5.0		7.0			11.0	2.0					
13-14		4.5	8.5	5.5	1.5			8.5	6.0		3.5		7.0	11.5			5.5						
14-15	5.5	1.5	9.0	6.0	2.0		9.5				5.0	2.0		2.0	7.0			9.0					
15-16	2.5	6.5	9.0	7.0	2.5	6.0		10.5				3.5		6.5				3.0		2.5			
16-17		3.5	9.0	7.5	3.5		11.0				2.0	5.0		11.0			6.5						
17-18	4.5	1.0	9.0	8.0	4.0						3.5			1.0			1.0	10.0			3.5		
18-19	2.0	5.5	9.0		4.5						5.5	2.0		5.5	7.0			4.5					
19-20	6.5	3.0	9.5		5.0							4.0		10.0			8.0		3.5			3.0	
20-21	4.0		9.5	2.0	6.0	6.0					2.5	5.5					2.5	11.5					
21-22	1.5	5.0	9.5	2.5	6.5					7.0	4.0			4.5				6.0					
22-23	6.0	2.5	9.5	3.0	7.0						6.0	2.5		9.0	6.5		9.5						
23-24	3.5	7.0	10.0	3.5	8.0				6.0		1.0	4.5	5.0				4.0						
24-25		4.0	10.0	4.5							3.0	6.0		4.0				7.5					
25-26	5.0	1.5	10.0	5.0		6.0					4.5	1.5		8.5			11.0	1.5					
26-27	2.5	6.0	10.0	5.5	1.5						6.0	3.0			6.0		5.0						
27-28	7.0	3.5	10.5	6.5	2.0						1.5	4.5		3.0				8.5	2.5				
28-29	4.5	1.0	10.5	7.0	3.0						3.0			7.5				3.0					
29-30	2.0	5.5	10.5	7.5	3.5						5.0	1.5					6.5						

all times in U.T.

	TZ	XZ	YY	AC	AK	AM	AM	TY	RZ	TV	TW	ZZ	AB	CW	CW	DZ	GT	IR	IS	IT	IV	MM	OR
	CMA	CMI	CMI	CMI	CMI	CMI	CMI	CAP	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
MAX	9.8	9.7	8.5	11.0	10.1	10.0	10.0	10.5	6.4	7.3	8.3	10.7	10.2	11.8	11.8	11.6	11.9	10.8	11.6	11.0	11.2	11.3	11.4
MIN	10.5	10.2	9.1	11.5	11.5	10.7	10.4	11.6	7.8	8.4	8.9	11.1	12.2	12.5	12.5	12.3	12.8	12.1	12.6	11.8	12.5	11.9	12.4
DUR	4	3	4	3	4	5	6	4	4	4	5	4	4	3	3	4	5	4	5	5	5	5	4
TOT																							
	(S)						(S)								(S)								
0- 1		3.0			5.0	2.5			10.0		2.5		10.0	5.5	1.5								
1- 2						3.0						5.5		4.5		10.0							
2- 3						3.5		10.5		11.0		11.0		3.5	7.5				10.5				
3- 4				5.5		4.0							4.0	2.5	6.0		7.5						2.0
4- 5		4.0		2.5	4.0	4.5					9.5			1.5	5.0				6.5		11.0	8.0	
5- 6			1.0			5.0			5.0						4.0	8.5		8.5			12.0		
6- 7			3.5			5.5			9.5	2.0		4.5		7.0	3.0				3.0		11.5		
7- 8		1.5	5.5								6.0	10.5	6.5	6.0	2.0			9.5			11.5		
8- 9		5.5			3.0									5.0	1.0	11.5				11.5		2.0	
9-10														4.0	7.5		10.5			11.5	2.0	7.5	
10-11				4.0							2.5			3.0	6.5	1.5				11.5			
11-12	2.5	3.0							4.0			4.0	8.5	1.5	5.5		11.5			11.5	10.0		
12-13					2.0		10.0		9.0			10.0			4.5	10.0				11.5			
13-14					5.0					8.0				7.5	3.5		2.5		11.5	11.5			1.5
14-15											9.5		2.5	6.0	2.5					11.5			7.5
15-16		4.0											11.0	5.0	1.5				8.0	11.5			
16-17				6.0	1.0							3.5		4.0		8.0	2.5			11.5	1.0		
17-18			2.0	2.5	4.5				3.5		6.0	9.5		3.0	7.0					11.5			
18-19		1.5	4.5						8.5				4.5	2.0	6.0					11.5			1.0
19-20		5.5												1.0	5.0	11.5	2.0			11.5			7.0
20-21											2.5			7.5	4.0			8.0		11.0			
21-22					3.5							3.0		6.5	3.0	1.0				11.0			
22-23		3.0						9.0		9.5		8.5	7.0	5.5	1.5		2.0	9.0		11.5	11.0		
23-24				4.5			1.0		3.0					4.5		9.5				11.0			
24-25				1.0			1.5		8.0		9.5			3.5	7.5			10.0		11.0			
25-26					2.5		2.0							2.5	6.0		1.5			11.0			
26-27		4.0			5.5		2.5				2.5	9.5	1.5	5.0				11.0	9.0	9.0	11.0	11.0	
27-28							3.0			6.0	8.0				4.0	8.0				11.0			
28-29							3.5							7.0	3.0		1.5			11.0			
29-30		1.5	3.0	6.0	1.5		4.0	12.0	2.5				3.0	6.0	2.0					11.0			

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	OX	OX	PV	PV	V364	V364	V375	V380	U	SU	WW	WZ	WZ	XX	ZZ	CW	CW	DK	DL	DV	EG	EK	GK	
	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	
MAX	10.1	10.1	10.0	10.0	11.2	11.2	10.1	10.4	6.7	8.8	11.1	11.7	11.7	8.5	9.3	7.6	7.6	12.2	12.4	11.6	9.6	8.2	6.9	
MIN	10.9	10.9	10.6	10.6	11.7	11.7	10.9	11.1	9.8	9.8	11.9	11.3	11.1	9.6	10.0	8.0	8.0	14.2	13.2	12.4	10.6	9.5	7.4	
DUR	5	5	3	3	4	4	5	5	4	4	4	3	3	4	5	5	5	4	5	4	3	6	4	
TOT									2															
		(S)		(S)		(S)							(S)				(S)							
0- 1									3.0			9.0	4.0				5.5				6.5		4.0	
1- 2					1.5			2.0				5.5									9.0		2.5	
2- 3							4.0	10.5		10.0	9.0	1.5	6.5	5.5	3.5					3.0	11.0			
3- 4		10.5								7.5		7.5	2.5						5.5	7.0		6.0		
4- 5			9.0									3.5	8.5		7.0	7.5				11.0	2.0			
5- 6				7.0			2.5	3.5	3.0			9.5	4.5								4.5			
6- 7					11.5							5.5			10.5				11.5		6.5			
7- 8				1.0								1.5	6.5			1.0					8.5			
8- 9		10.0					1.5					7.5	2.5				10.0	11.5			11.0			
9-10								5.5				3.5	8.5	6.0						11.5	2.5			
10-11									2.5			9.5	4.5							11.0	6.5	2.0	11.0	
11-12			9.5							10.0		5.5					3.5	10.5	9.0	10.0	4.0		9.5	
12-13				7.0			11.5			7.5		1.5	6.5					10.5			6.5	2.5	8.0	
13-14		9.5			10.0			7.0		5.5		8.0	3.0					10.0			8.5		6.5	
14-15				1.0								4.0	9.0								9.5		5.0	
15-16							10.0		2.0			10.0	5.0			5.5					9.5		3.5	
16-17											4.5	6.0	1.0	6.0					9.0	6.5	2.0	2.0	2.0	
17-18	4.5							8.5				2.0	7.0						8.5		5.5	4.0		
18-19		9.0	9.5		1.0		9.0					8.0	3.0						8.5		9.5	6.0		
19-20				7.0								4.0	9.0		7.0		8.0	8.0				8.0		
20-21								2.0	2.0	10.5			5.0								7.5		10.5	
21-22				1.0			7.5	10.5		8.0		6.0	1.0		10.5						7.0			
22-23	4.0									5.5		2.0	7.0					1.5			7.0		1.5	
23-24		8.5				10.5						8.0	3.0	6.5		10.0			6.5		1.0	3.5		
24-25							6.5	3.5				4.5	9.5						6.0	10.0	5.0	6.0		
25-26			9.5						1.5		9.5		5.5						6.0		9.0	8.0	9.5	10.5
26-27				7.0								6.5	1.5			3.5			5.5			10.0	9.0	
27-28	3.5						5.0					2.5	7.5						5.0				7.5	
28-29		8.0		1.0		2.0		5.5				8.5	3.5						5.0			1.5	6.0	
29-30									11.0			4.5	9.5						4.5	7.5		3.5	4.5	

all times in U.T.

	RW	RW	RZ	RZ	SS	SS	CC	CC	U	RW	TW	W	W	RV	RV	SX	SX	V	SW	WW	ZZ	AE	BR
	COM	COM	COM	COM	COM	COM	COM	COM	CRB	CRB	CRB	CRV	CRV	CRV	CRV	CRV	CRV	CRT	CYG	CYG	CYG	CYG	CYG
MAX	11.0	11.0	10.0	10.0	10.9	10.9	11.0	11.0	7.6	10.1	10.5	10.6	10.6	9.0	9.0	8.9	8.9	9.5	9.3	9.9	10.7	11.8	9.4
MIN	11.6	11.6	10.7	10.7	11.5	11.5	11.9	11.9	8.8	10.6	11.3	11.2	11.2	10.0	10.0	9.2	9.2	10.2	11.8	13.2	12.0	12.8	10.5
DUR	3	3	3	3	4	4	2	2	5	4	4	4	4	4	4	3	3	4	5	5	4	4	4
TOT																			2				
		(S)		(S)		(S)		(S)					(S)		(S)		(S)						
0- 1	5.0	2.5	5.0	1.0	4.0	8.5	3.5					5.5	6.0	1.5		6.5	3.0	7.0				7.5	
1- 2	4.0	1.0	5.5	1.5	9.5	4.5		3.0				10.0		5.5		2.0	5.5				8.5		
2- 3	2.5	5.5	6.0	2.0	5.5		3.0			5.5		4.5	9.0	4.0			4.5	3.0					
3- 4	1.5	4.5	6.0	2.0	1.0	6.0		3.0				4.5	8.5	4.0		6.0	7.0	3.0			5.5		5.0
4- 5		3.0	6.5	2.5	7.0	2.0	2.5	5.5	2.5	9.5	8.5	3.0	8.0			6.0	2.0	5.5					
5- 6	5.0	2.0	7.0	3.0	2.5	7.5	5.0	2.5		3.0		7.0	2.5	4.0		4.5							
6- 7	3.5		7.5	3.5	8.5	3.5	2.5	5.0				3.0	1.5	6.5		6.0	3.5	7.0	8.0	5.5		9.0	
7- 8	2.5	5.0	7.5	3.5	4.0	9.0	5.0	2.0		7.5	7.5	5.5	1.0			2.0	6.0						4.5
8- 9	1.0	4.0	8.0	4.0		5.0	2.0	4.5				11.5		5.0	3.5		5.0				6.5		
9-10	5.5	2.5		4.5	5.5		4.5	2.0		11.5		4.0	9.0		5.5	7.5	3.5	3.5					
10-11	4.5	1.5		5.0	1.5	6.5	1.5	4.5		5.0	6.0	8.0	3.5	9.5		6.0	2.5						
11-12	3.0		1.0	5.0	7.5	2.5	4.0	1.5				10.0	3.0	7.5	3.5	5.0		6.0			10.0		4.5
12-13	2.0	5.0	1.5	5.5	3.0	8.0	1.5	4.0		9.5		6.5	2.0		5.5	3.5	7.5						
13-14		3.5	2.0	6.0	9.0	4.0	4.0	1.0		3.0	4.5	1.5	6.0	9.0		2.5	6.5				7.0		
14-15	5.0	2.5	2.0	6.5	4.5	9.5	1.0	3.5	11.0		9.0	5.5		3.0			5.0	1.0					
15-16	4.0	1.0	2.5	6.5		5.5	3.5			7.0		9.0	4.5		5.0		4.0		9.0				4.5
16-17	3.0	5.5	3.0	7.0	6.0	1.0		3.5			3.5	4.0	8.5	9.0		6.5	2.5	4.0			10.5		
17-18	1.5	4.5	3.5	7.5	2.0	7.0	3.0			11.5	7.5	8.0	3.0	2.5		5.5	1.5						
18-19		3.0	3.5	7.5	7.5	3.0		3.0		5.0		2.5	7.0		5.0	4.0		6.5			8.0		
19-20	5.0	2.0	4.0	8.0	3.5	8.5	3.0					6.5	1.5	8.5		3.0	6.5						4.5
20-21	3.5		4.5		9.5	4.5	5.0	2.5		9.0	6.0	1.0	5.5	2.5		1.5	5.5						
21-22	2.5	5.5	5.0		5.0		2.5	5.0	9.0	2.5	10.5	5.0			4.5		4.5	1.5			11.5		
22-23	1.0	4.0	5.0	1.0		6.0	5.0	2.5				9.0	4.0	8.5		7.0	3.0		11.5				
23-24	5.5	3.0	5.5	1.5	6.5	1.5	2.0	4.5		7.0	5.0	3.5	8.0	2.0		5.5	2.0	4.5			8.5		4.5
24-25	4.5	1.5	6.0	2.0	2.5	7.5	4.5	2.0			9.0	7.5	3.0		4.5	4.5							
25-26	3.0		6.5	2.0	8.0	3.0	2.0	4.5		11.0		2.0	6.5	8.0		3.5	7.0	7.0			6.0		
26-27	2.0	5.0	6.5	2.5	4.0	9.0	4.0	1.5		4.5	3.5	6.0	1.5	2.0		2.0	6.0					11.5	
27-28		3.5	7.0	3.0	9.5	4.5	1.5	4.0			8.0		5.5		4.0		4.5					10.5	
28-29	5.5	2.5	7.5	3.5	5.5		4.0	1.5	6.5	9.0		4.5	9.5	7.5		7.5	3.5	2.0			9.0	10.0	
29-30	4.0	1.0	8.0	3.5	1.5	6.5	1.0	3.5		2.5		8.5	4.0	1.5		6.0	2.5					9.0	

all times in U.T.

	CG	DK	KR	KV	V346	V387	V388	V401	V456	V466	V466	V477	V477	V548	V704	1034	W	TT	TY	YY	FZ	Z	RZ
	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DEL	DRA	DRA
MAX	11.0	10.3	9.2	11.5	11.8	11.5	9.7	10.8	10.8	10.8	10.8	8.3	8.3	8.9	13.8	9.6	9.4	10.6	9.6	11.0	10.2	10.8	10.0
MIN	11.8	10.8	10.0	12.6	13.6	12.3	10.3	11.6	11.9	11.6	11.6	9.2	8.7	9.7	14.6	10.6	12.7	12.5	10.8	12.0	11.3	13.6	10.9
DUR	3	4	4	5	5	3	3	4	3	4	4	4	4	5	4	4	7	5	4	4	3	4	3
TOT																	2						
										(S)		(S)											
0- 1							10.5	11.0						7.0					9.5	8.0			3.5
1- 2	9.0						7.0			9.5								9.5				4.5	6.0
2- 3		10.5			7.5																		8.5
3- 4		9.0				10.0		8.5			11.5				9.5		9.5				11.0		11.0
4- 5		7.5	9.5																				
5- 6						8.0			11.0													6.0	2.5
6- 7	10.0						11.0	6.5	8.5		6.5								8.5				5.0
7- 8							7.5	10.5							9.5					11.0	9.0		7.5
8- 9	7.5									8.5													10.0
9-10			11.0											7.5								8.0	
10-11		10.5	7.5	9.0		11.0		8.5			10.5												1.5
11-12	11.5	9.0													9.5					10.5			4.0
12-13		7.5				9.5	11.0															1.0	6.5
13-14	9.0				6.5	8.0	6.5	11.5														9.5	9.0
14-15						7.5	10.5	9.0					7.0								10.0		11.5
15-16			9.0					6.0	7.5						9.0					9.5			
16-17																							
17-18								8.5			9.5											2.5	3.0
18-19	10.0	10.5					11.5					7.0		8.0								11.5	5.5
19-20		9.0				10.5	8.0				11.5				9.0				11.0	8.5			10.5
20-21	7.5	7.5	11.0					6.5														4.5	
21-22			7.0			8.5		10.0					8.0								11.5		2.0
22-23									9.5	6.5						11.5							4.5
23-24	11.0								6.5						9.0	10.5				8.0			7.0
24-25					6.0			8.0			8.5				10.0			8.5				6.0	9.5
25-26	8.5						8.5						8.0		9.5				10.0		9.5		12.0
26-27		10.5	9.0			11.5				10.5					9.0								
27-28		9.0		10.0				6.0						9.0	9.0	8.5	10.0						3.5
28-29		7.5				9.5		10.0					9.0			8.0						8.0	6.0
29-30														4.0		7.5							8.5

all times in U.T.

	TW	UZ	UZ	AI	BH	S	TZ	YY	RW	SX	TX	WW	AF	AL	RX	SZ	TT	TU	UX	CC	CT	HS	HS	
	DRA	DRA	DRA	DRA	DRA	EQU	ERI	ERI	GEM	GEM	GEM	GEM	GEM	GEM	HER	HER	HER	HER	HER	HER	HER	HER	HER	
MAX	7.8	9.9	9.9	7.2	8.0	8.0	9.8	8.4	9.6	10.8	10.0	9.8	10.2	9.3	7.1	10.2	9.7	10.6	8.9	9.5	9.9	8.5	8.5	
MIN	9.5	10.7	10.7	8.2	8.6	10.0	12.6	9.1	11.6	11.7	11.9	10.5	11.3	10.0	7.7	12.0	10.4	13.4	9.8	12.8	11.2	9.0	9.0	
DUR	5	5	5	4	5	5	4	3	5	5	6	4	4	4	5	4	4	5	5	4	4	4	4	
TOT	1						1		1									1						
			(S)					(S)															(S)	
0- 1	5.5			7.0		10.0	2.0						4.5				4.5					7.0		
1- 2			10.5								6.5							9.5						
2- 3														1.0		9.0		11.0			11.5			
3- 4	1.0	1.5														5.0				9.0				
4- 5					8.5						1.5										6.5		10.0	
5- 6				2.0									3.5											
6- 7		8.0		7.0	4.0									5.0		11.5								
7- 8				12.0				1.5							8.0	7.0	10.5							
8- 9																	8.5					11.5		
9-10										3.0							6.5	6.5					8.0	
10-11												4.5	3.0				4.5			7.5				
11-12	11.0		5.5	2.0												9.0					10.0			
12-13				7.0												5.0			6.0					
13-14				11.5	10.5					5.5				4.0							4.5	9.5		
14-15	6.5		11.5												11.0								6.0	
15-16					6.0						6.5	3.0	2.5			11.5		8.0						
16-17		3.0						1.5							5.5	7.0								
17-18	2.0			2.0					3.5								11.5			6.0				
18-19				6.5							1.5						9.5	8.0	10.5			7.0		
19-20		9.0		11.5													7.5							
20-21										1.5		2.0	2.0	3.0		9.0	5.0				8.0			
21-22																5.0								
22-23																				11.0			10.5	
23-24				2.0											8.5									
24-25			6.5	6.5	8.0	11.5				4.0						11.5				4.5				
25-26				11.5				1.5					1.0			7.0								
26-27					3.5																	11.5		
27-28														2.0				9.5			11.5		8.5	
28-29	7.5																10.0							
29-30		4.0		1.5							6.5					9.0	8.0		6.5	9.5	6.5			





	V501	V508	V839	1010	1010	EF	EF	ER	ER	ET	FH	FL	FR	FT	GU	GU	TY	UX	AQ	DI	GP	KW	KW
	OPH	OPH	OPH	OPH	OPH	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	ORI	PEG	PEG	PEG	PEG	PEG	PEG	PEG
MAX	10.9	10.1	8.8	6.2	6.2	12.6	12.6	9.5	9.5	11.2	10.5	10.5	11.0	9.1	12.6	12.6	10.5	10.7	10.3	9.6	10.2	12.1	12.1
MIN	11.8	10.7	9.4	7.0	7.0	14.1	12.8	10.2	10.2	12.4	11.5	13.2	11.9	9.7	13.5	13.5	12.6	12.0	13.0	10.8	11.0	12.4	12.4
DUR	4	3	3	4	4	6	6	3	3	5	5	3	4	4	4	4	6	5	12	2	4	3	3
TOT																			4				
					(S)		(S)		(S)						(S)			(S)					(S)
0- 1	8.5	6.5	8.5		9.5				1.0										(3)				
1- 2	7.5	7.0		9.0			4.5	2.5								4.0						9.5	
2- 3	7.0	8.0	9.5		9.0											2.5			10.5				
3- 4	6.0			8.5						2.5						1.0							10.5
4- 5	5.5				8.5			1.5		1.5			2.5										
5- 6			6.5	8.5											4.0							11.5	
6- 7					8.0		1.0								2.5								
7- 8			7.5	8.0											1.0								
8- 9					8.0				2.0														8.0
9-10		5.5	8.5	7.5												4.0					11.5		
10-11		6.5			7.5	2.0					3.0	1.5				2.5					11.0	9.0	
11-12		7.0	9.5	7.0					1.5				4.0			1.0					10.5		
12-13		8.0			7.0								1.5				9.5				10.0		10.0
13-14				7.0											4.0						9.5		
14-15			6.5		6.5		3.5								2.5							11.0	
15-16				6.5				2.0							1.0								
16-17			7.5		6.0																		
17-18				6.0										3.0		4.0							
18-19			8.5		6.0	4.5		1.0								2.5							
19-20		5.5		5.5					2.5				3.0			1.0						8.5	
20-21		6.5	9.5		5.5																		
21-22		7.0													4.0								9.5
22-23		8.0							1.5						2.5								
23-24			6.5			1.0				2.0	1.0				1.0							10.5	
24-25																							
25-26			7.5													4.0							11.5
26-27	11.5							2.0							2.5		10.5						
27-28	11.0		8.5			2.5						1.5			1.0								
28-29	10.0																11.0					8.0	
29-30	9.5	5.5	9.5		11.5			1.0							4.0			9.5		11.5			

all times in U.T.

	Z	RT	XZ	IQ	IQ	IT	IU	KW	V432	BETA	RV	UZ	UZ	AV	U	V505	1968	RS	AO	CC	CC	Y	RW
	PER	PER	PER	PER	PER	PER	PER	PER	PER	PER	PSC	PUP	PUP	PUP	SGE	SGR	SGR	SER	SER	SER	SER	SEX	TAU
MAX	9.9	10.6	10.6	7.7	7.7	9.9	10.5	10.5	11.0	2.2	11.3	9.7	9.7	10.2	6.4	6.4	12.3	10.8	10.6	11.1	11.1	9.8	8.0
MIN	12.4	12.0	12.7	8.3	7.9	10.5	11.6	11.5	11.7	3.5	12.0	10.6	10.3	10.8	9.1	7.6	13.3	11.5	12.1	11.7	11.7	10.2	12.5
DUR	6	4	4	5	5	4	5	4	3	8	3	4	4	3	6	5	4	4	4	4	4	3	4
TOT	2														2								1
					(S)								(S)								(S)		
0- 1												3.5					9.5	10.0			8.5	2.5	
1- 2		3.5							3.0					3.0						3.0	9.0		
2- 3													3.0						9.5	4.0	10.0	4.5	
3- 4					2.5		3.5			2.0								9.5	6.5	4.5	10.5		
4- 5				1.0		2.0		3.5				3.0		4.0	9.0	9.0	8.0		3.5	5.5	11.5	7.0	
5- 6								1.5									11.0			6.0		3.0	
6- 7			4.5						2.5				2.5					9.5		7.0			
7- 8		2.5												5.0						7.5		5.5	
8- 9												2.5		2.0						8.5		1.5	
9-10							3.5										9.5	9.0	10.5	9.0	3.0	8.0	
10-11					1.5					11.5			2.0						7.5	10.0	3.5	4.0	
11-12									2.0					3.0		11.0			4.5	10.5	4.5		
12-13												1.5						9.0		11.5	5.5	6.5	
13-14		1.0	2.5					11.0									8.0				6.0	2.5	1.5
14-15									3.5				1.5	4.0			11.0				7.0		
15-16							3.5							1.0				8.5			7.5	5.0	
16-17									1.5			1.0							11.0		8.5	1.0	
17-18					1.0									5.0		9.0		8.0	3.0	9.0	7.5		
18-19		3.5						2.5						2.0			10.0	8.5	5.5	3.5	10.0	3.5	
19-20								1.0	3.0											4.5	10.5		
20-21																				5.5	11.5	6.0	
21-22			3.5				3.5		1.0					3.0	6.5			8.0		6.0		2.0	
22-23																	8.5			7.0			
23-24												4.5					11.5			7.5		4.5	
24-25	2.0	2.0							3.0					4.0		11.5		8.0	9.0	8.5			3.0
25-26												4.5	1.0						6.0	9.0	3.0	7.0	
26-27								12.0											3.5	10.0	3.5	3.0	
27-28	3.0					2.0	3.5	10.0				4.0		5.5			10.0	8.0		10.5	4.5		
28-29			1.5											2.0						11.5	5.0	5.5	
29-30									2.5				4.0								6.0	1.5	

all times in U.T.

	RZ	TY	WY	AQ	CT	EQ	EQ	HU	RV	W	W	TX	TY	TY	UX	UX	VV	XZ	ZZ	AF	W	RU	VV
	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TRI	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMA	UMI	UMI	VIR
MAX	10.5	11.5	11.5	12.0	10.2	10.3	10.3	6.0	11.4	9.1	9.1	6.8	11.7	11.7	12.7	12.7	10.1	10.1	9.8	10.8	8.6	10.7	11.7
MIN	11.2	12.0	11.7	12.9	11.5	11.0	11.0	6.8	12.5	9.9	9.9	8.9	12.4	12.4	13.8	13.8	11.0	11.7	11.2	11.6	9.7	11.4	13.5
DUR	3	2	4	5	5	3	3	6	4	3	3	6	3	3	1	1	3	3	4	8	7	4	4
TOT																							
							(S)				(S)			(S)									
0- 1	2.0			3.0	5.0					2.5	6.5		5.0		9.0	4.5							3.0
1- 2			4.5			1.5				2.5	6.5		6.5	2.0	4.0	9.0	7.5	3.5			9.5	4.0	8.0
2- 3					5.0	2.0				2.5	6.5		8.0	4.0	8.5	3.5		8.5				5.5	5.5
3- 4						2.5				2.5	6.5		1.0	5.5	3.5	8.0	9.0		4.5		2.5	6.5	3.0
4- 5					5.0					2.5	6.5		2.5	7.0	7.5	3.0	1.5					8.0	
5- 6	1.5									2.5	6.5		4.0	8.5	2.5	7.0	10.5					9.0	8.5
6- 7		1.5			5.0					2.5	6.5		5.5	1.5	7.0	2.0	3.0					10.0	6.0
7- 8										2.5	6.5		7.0	3.0	1.5	6.5		6.0				11.5	3.5
8- 9			2.5		5.0	1.5				2.5	6.5			4.5	6.0	1.5	4.5				5.0		
9-10						2.0				2.5	6.5		1.5	6.0		5.5						1.0	9.0
10-11	1.5		4.5		5.0	2.5				2.5	6.5		3.0	7.5	5.0		6.0		2.5	4.0		2.5	6.5
11-12				1.5						2.5	6.5		4.5			5.0						3.5	4.0
12-13	3.5				5.0					2.5	6.5		6.5	2.0	4.5	9.0	7.5	3.5	9.5			5.0	
13-14										2.5	6.5		8.0	3.5	8.5	4.0		8.5			7.5	6.0	9.5
14-15					5.0					2.5	6.5		2.5	5.0	3.5	8.5	9.0					7.0	6.5
15-16	1.0		1.0			1.5				2.5	6.5		2.5	6.5	8.0	3.0	1.5		10.0			8.5	4.0
16-17					5.0	2.0				2.5	6.5		4.0	8.0	3.0	7.5	10.5					9.5	
17-18	3.0		3.0	3.5		2.5				2.5	6.5		5.5	1.0	7.0	2.5	3.0					11.0	9.5
18-19					5.0					2.5	6.5		7.0	2.5	2.0	6.5		6.0			10.0		7.0
19-20			4.5					1.0		2.5	6.5		8.5	4.0	6.5	1.5	4.5		7.0				4.5
20-21		2.0			5.0					2.5	6.5		1.5	5.5	1.0	6.0					3.0	2.0	
21-22								2.5		2.5	6.5		3.0	7.5	5.5		6.0					3.0	10.0
22-23	2.5				5.5	1.0			1.0	2.5	6.5		4.5			5.0						4.0	7.5
23-24						2.0				2.5	7.0		6.0	2.0	4.5		7.5	3.5				5.5	5.0
24-25			1.0		5.5	2.5				3.0	7.0		7.5	3.5	9.0	4.5		8.5				6.5	
25-26									1.5	3.0	7.0			5.0	4.0	8.5	9.0				5.5	7.5	10.5
26-27			3.0		5.5					3.0	7.0		2.0	6.5	8.5	3.5	1.5		4.5			9.0	8.0
27-28	2.5									3.0	7.0		3.5	8.0	3.0	8.0	10.5					10.0	5.0
28-29			5.0	2.0	5.5				1.5	3.0	7.0		5.0	1.0	7.5	2.5	3.0		11.5			11.5	2.5
29-30						1.0				3.0	7.0	2.0	6.5	2.5	2.5	7.0		6.0					

all times in U.T.

	AG	AH	AH	AK	AW	AW	AX	AZ	AZ	BH	MS	MS	NY	Z	AW	AX	AY	BE	BO	BS	BT	BU	CD
	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VIR	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL	VUL
MAX	8.8	9.7	9.7	10.0	10.8	10.8	10.0	11.0	11.0	9.9	9.4	9.4	13.3	7.4	10.8	11.0	11.0	9.9	10.4	11.0	11.8	10.6	11.5
MIN	9.4	10.2	10.2	11.5	11.9	11.9	10.8	11.8	11.8	11.3	9.7	9.7	14.2	9.2	11.9	12.5	12.9	11.4	13.3	11.5	12.5	11.4	12.6
DUR	4	4	4	4	3	3	4	3	3	4	3	3	1	6	5	5	4	5	4	3	3	3	4
TOT																							
			(S)			(S)			(S)			(S)											
0- 1	4.5	3.5	8.5	7.0	4.5		11.0	6.0	1.5			4.0			8.5					7.5		8.0	
1- 2		9.0	4.0		6.0	2.0	3.5	7.0	3.0		6.0			7.5						6.5		11.5	10.0
2- 3	2.5	4.5	9.5		7.5	3.5		8.0	4.0	8.0	4.5						7.5				6.5		
3- 4	9.5		5.0			5.0	6.5		5.0	3.5	3.0	7.0									10.0		11.0
4- 5		5.5			2.0	6.5		2.0	6.5			5.5			9.5							7.5	
5- 6	7.5	1.0	6.0		3.5	8.0	9.0	3.5	7.5			4.0										11.0	
6- 7		6.5	1.5	6.5	5.0		1.5	4.5		10.0	6.0		1.5										
7- 8	6.0	2.0	7.0		6.5	2.5	11.5	5.5	1.5	5.5	4.5		1.5				8.5		11.0				
8- 9		7.5	2.5		8.0	4.0	4.5	7.0	2.5		3.0	7.0	2.0		10.5					10.0		7.5	
9-10	4.0	3.0	7.5		1.0	5.5		8.0	4.0			5.5	2.0									10.5	
10-11		8.0	3.5		2.5	7.0	7.0		5.0			4.0						11.0		7.5			7.0
11-12	2.5	3.5	8.5		4.0	8.5		2.0	6.0	7.5	6.0								9.5	6.5	10.0		
12-13	9.5	9.0	4.0	5.5	5.5	1.5	9.5	3.0	7.5	3.0	4.5				11.0								8.5
13-14		4.5	9.5	10.5	7.0	3.0	2.5	4.5			3.0	6.5							8.0			10.0	
14-15	7.5		5.0			4.5		5.5	1.5			5.0					9.0						9.5
15-16		5.5			1.5	6.0	5.0	6.5	2.5	9.5	7.5	3.5							6.5				
16-17	6.0	1.0	6.0		3.0	7.5		8.0	3.5	5.0	6.0		1.5										11.0
17-18		6.5	1.5		4.5		7.5		5.0		4.5		2.0		7.0					11.0		9.5	
18-19	4.0	2.0	7.0	5.0	6.0	1.5		2.0	6.0		3.0	6.5	2.0							9.5			
19-20		7.5	2.5	9.5	7.5	3.0	10.0	3.0	7.0	11.5		5.0	2.0							8.5	9.5		
20-21	2.5	3.0	8.0			4.5	3.0	4.0	8.5	7.0	7.5	3.5								7.5			
21-22	9.5	8.5	3.5		2.0	6.0		5.5		2.5	6.0				8.0			7.5		6.5		9.5	
22-23		4.0	8.5		3.5	7.5	5.5	6.5	2.5		4.5					7.5							
23-24	7.5	9.0	4.5		5.0			7.5	3.5		3.0	6.5		10.0									7.0
24-25		4.5	9.5	4.0	6.5	2.0	8.0		4.5	9.0		5.0				8.5		10.0					
25-26	6.0		5.0	8.5	8.0	3.5	1.0	1.5	6.0	4.5	7.5	3.5			8.5							9.0	8.0
26-27		5.5				5.0	10.5	3.0	7.0		6.0		1.5			9.0	10.5						
27-28	4.0	1.0	6.0		2.5	6.5	3.5	4.0	8.0		4.5		2.0							11.0	9.5		9.5
28-29		6.5	1.5		4.0	8.0		5.0		11.0	3.0	6.5	2.0	8.0		9.5				9.5			
29-30	2.5	2.0	7.0		5.5	1.0	6.0	6.5	2.0	7.0		5.0	2.5		9.5					8.5		8.5	10.5