

	RT	TW	WZ	XZ	AB	XZ	OO	V342	V343	V346	CX	WW	WW	ZZ	Y	SV	AL	RZ	TV	AB	U	XX	EG	SS	R
	AND	AND	AND	AND	AND	AQL	AQL	AQL	AQL	AQL	AQR	AUR	AUR	BOO	CAM	CAM	CAM	CAS	CAS	CAS	CEP	CEP	CEP	CET	CMA
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	6.4	7.3	10.2	6.7	8.5	9.6	9.4	6.2
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	7.8	8.4	12.2	9.8	9.6	10.6	13.0	6.8
DUR	3	11	4	3	3	7	3	7	4	4	3	5	5	5	10	3	5	4	4	4	4	4	3	5	4
												(S)	(S)												
0- 1		6.0		10.0	2.5									4.5		2.5	10.5		10.0	6.0			9.5	6.5	
1- 2	4.5		2.5		2.5				1.0		10.5					1.0	4.5						11.5		
2- 3	10.5				2.0									11.0		5.0			1.5				1.0		
3- 4	1.5		4.5	3.0	2.0										10.0	9.5				6.5	2.5		3.0	6.0	5.0
4- 5	8.0				2.0						1.0											4.5	5.0		8.0
5- 6			6.5		2.0		0.5				4.0		5.5			4.5	4.0	4.5					7.0		11.5
6- 7	5.0				2.0		0.5									9.0		9.5		0.5			9.5	5.5	
7- 8	11.5		8.5	4.5	1.5		1.0							10.5						9.0			11.5		
8- 9	2.5		1.5		1.5		1.5									3.5					2.5		0.5		
9-10	8.5				1.5		1.5		1.5	0.5						8.0	3.5		7.5				2.5	5.0	
10-11			3.5		1.5		2.0				4.0		7.0		0.5		11.5			3.0			5.0		
11-12	6.0			6.5	1.5											2.5		4.0	3.0	11.5		4.5	7.0		4.0
12-13			5.5		1.0					2.5						7.0		8.5					9.0	4.0	7.0
13-14	3.0				1.0										8.0	11.5	3.5				2.0		11.5		10.5
14-15	9.5		7.5		1.0						1.5	1.5				2.0	11.0			5.0			0.5		
15-16	0.5		0.0	8.0	1.0						4.0		8.0			6.5							2.5	3.5	
16-17	6.5		9.5		1.0											11.0							4.5		
17-18			2.5		0.5									10.0		1.0	3.0	3.5					7.0		
18-19	4.0			1.5	0.5											5.5	11.0	8.0	9.0	7.5	1.5	5.0	9.0	3.0	
19-20	10.0		4.5	10.0	0.5		1.0				1.5	3.0				10.0							11.0		
20-21	1.0				0.5				3.0		4.0		9.0			0.5			4.5						6.0
21-22	7.5		6.5		0.5											4.5	2.5			1.0			2.5	2.5	9.0
22-23				3.0	8.0					1.5						9.0	10.5			10.0			4.5		
23-24	4.5		8.5	11.5	8.0										6.0			3.0			1.5		6.5		
24-25	11.0		1.5		8.0						1.5	4.0				4.0		7.5					8.5	1.5	
25-26	2.0		10.5		8.0						4.5		10.5			8.5	2.5			3.5		5.0	11.0		
26-27	8.0		3.5	5.0	7.5											10.0									
27-28					7.5									10.0		3.0			10.5				2.0	1.0	
28-29	5.5		5.5		7.5	2.0										7.5					1.0		4.0		5.0
29-30	11.5	2.5			7.5						1.5	5.5					2.0	2.5	6.0	6.0			6.5		8.0
30-31	2.5		7.5	6.5	7.5						4.5		11.5			2.0	10.0	7.0					8.5	0.5	11.5



	YY	RW	SZ	TU	CT	AV	SW	VX	CM	SS	delt	T	EW	FL	RU	RU	RW	BO	EQ	ER	FL	U	TY	AQ	Z
	ERI	GEM	HER	HER	HER	HYA	LAC	LAC	LAC	LIB	LIB	LMI	LYR	LYR	MON	MON	MON	MON	ORI	ORI	ORI	PEG	PEG	PEG	PER
MAX	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	10.3	9.5	10.5	9.7	10.5	10.3	9.9
MIN	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	13.3	10.2	13.2	10.5	12.6	13.0	12.4
DUR	3	5	4	5	4	4	3	4	4	6	7	6	5	4	5	5	5	5	4	3	3	3	6	10	6
	(S)																								
0- 1	2.0			9.5		3.5	4.5											10.5		0.5					
1- 2	1.0						3.5			11.5		7.5							4.5	7.0		3.0			
2- 3	8.0					5.0	3.0		6.0											3.5	6.5	6.0			
3- 4	7.0		10.5				2.0							11.5						10.0					
4- 5	6.0					6.0	1.0					7.5			3.5					6.5		3.0			
5- 6	5.0		1.5		11.0															2.5	9.0	5.5			
6- 7	4.5					7.5	7.0				11.0						11.5		10.0	9.0					
7- 8	3.5						6.0		1.5			8.0						2.5		5.5		2.5			
8- 9	2.5					8.5	5.0	1.0									9.0		4.0	2.0		5.5			
9-10	2.0			11.0			4.0	3.0					3.0			3.5		8.0		8.5					
10-11	1.0					9.5	3.0	5.0	6.5			8.5		0.0						4.5	0.5	2.5			
11-12	8.0						2.5	6.5					1.5		7.5					1.0		5.5			
12-13	7.0		10.5			11.0	1.5													7.5					
13-14	6.0	10.5					0.5			10.5	9.0	0.5							10.0	4.0	3.0	2.5			
14-15	5.5		1.5				7.5												2.5		10.0		5.5		
15-16	4.5					4.5	6.5		2.0										3.5	6.5					
16-17	3.5	7.0					5.5					9.5				7.5				3.0	5.5	2.5			
17-18	2.5					5.5	4.5													9.5		5.5			
18-19	2.0						3.5		7.0						11.5			5.5		5.5					
19-20	1.0	4.0				7.0	2.5					10.0								2.0	8.0	2.5			
20-21	8.0						2.0												11.0	9.5	8.5		5.5		0.5
21-22	7.0		10.5			8.0	1.0													5.0					
22-23	6.0	0.5					7.5	0.5				10.5							3.5	1.0	10.5	2.5			
23-24	5.5		1.5	1.5		9.5	7.0	2.0	2.5					2.0		11.5				7.5		5.5			2.0
24-25	4.5						6.0	4.0												4.0			2.0		
25-26	3.5					10.5	5.0	6.0				11.0		6.0						0.5		2.5		2.0	
26-27	3.0						4.0	7.5	7.5											7.0		5.5			3.0
27-28	2.0					11.5	3.0							10.5			10.5		9.0	3.0	2.0		4.5		
28-29	1.0						2.5					11.5								9.5		2.5			
29-30	8.0						1.5								5.5		8.5	8.5	3.0	6.0		5.5			4.5
30-31	7.0				11.0	5.5	0.5													2.0	4.5		6.5		

	RT	RV	ST	XZ	beta	Y	U	V505	RW	AC	AM	V	X	RV	W	TX	VV	XZ	RU	AG	BU
	PER	PER	PER	PER	PER	PSC	SGE	SGR	TAU	TAU	TAU	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMI	VIR	VUL
MAX	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	12.0	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	4	8	5	4	8	7	6	5	4	6	4	4	4	4	3	6	3	3	4	4	3
0- 1	8.5		4.0		7.5						8.0	6.5		5.5	3.0		3.5			5.5	3.5
1- 2	4.5	7.0								5.5					3.0			5.0	0.5		
2- 3	1.0										9.0	0.5			3.0		5.0	10.5	1.5		
3- 4		6.5		3.0	4.5		0.5		6.5			4.5		6.0	3.0				3.0	10.5	
4- 5				6.5					8.0		10.0	8.5			3.0		6.5		4.0		3.0
5- 6	10.5	5.5	11.5	10.5						7.5					3.0				5.5	8.5	
6- 7	7.0				1.0	3.5					11.0	2.5		6.5	3.0		8.0	2.5	6.5		
7- 8	3.5	5.0							2.5	9.0		7.0		0.5	3.0		0.5	8.0	7.5	7.0	
8- 9			3.0												3.0		9.5		9.0		3.0
9-10		4.5								10.0		1.0		7.0	3.0		2.0		10.0	5.5	
10-11				1.0								5.0		1.0	3.0		11.0		11.5		
11-12	9.5	3.5		4.5								9.0	9.0		3.5		3.5				
12-13	5.5			8.0									8.5	7.0	3.5			5.0	1.0	10.5	2.5
13-14	2.0	3.0	10.0									3.5	8.0	1.0	3.5		5.0	10.5	2.0		
14-15												7.5	7.0		3.5				3.5	8.5	
15-16		2.5							10.0				6.5	7.5	3.5		6.5		4.5		
16-17	11.5		1.5				1.0	0.5				1.5	5.5	1.5	3.5				6.0	7.0	2.0
17-18	8.0	2.0										5.5	5.0		3.5		8.0	2.5	7.0		
18-19	4.5			2.5					4.5			9.5	4.5	8.0	3.5		0.5	8.0	8.0		
19-20	1.0	1.0		6.0									3.5	2.0	3.5		9.5		9.5		
20-21				9.5	9.5							4.0	3.0		3.5	2.5	2.0		10.5		1.5
21-22		0.5	8.5			5.0						8.0	2.5	8.0	3.5		11.0			10.5	5.0
22-23	10.5												1.5	2.5	3.5		3.5		0.5		
23-24	6.5				6.0							2.0	1.0		3.5	4.0		5.0	1.5	8.5	
24-25	3.0											6.0	0.5	8.5	3.5		5.0	10.5	3.0		1.0
25-26												10.0		2.5	3.5				4.0	7.0	4.5
26-27				4.0	3.0				11.5			0.5			3.5	5.5	6.5		5.0		
27-28				7.5								4.5		9.0	3.5				6.5		
28-29	9.0			11.0								8.5		3.0	3.5		8.0	2.5	7.5		0.5
29-30	5.5		7.5					1.0	6.0						3.5	7.0	0.5	8.0	9.0		4.0
30-31	2.0											2.5		9.0	3.5		9.5		10.0	10.5	

	RT	TW	WZ	XZ	AB	OO	V346	CX	WW	WW	ZZ	Y	SV	AL	RZ	TV	AB	U	XX	EG	R	UU	U	V	W	
	AND	AND	AND	AND	AND	AQL	AQL	AQR	AUR	AUR	BOO	CAM	CAM	CAM	CAS	CAS	CAS	CEP	CEP	CEP	CMA	CMA	CRB	CRT	CRV	
MAX	9.3	8.8	11.6	10.0	9.3	9.2	9.0	10.7	5.7	5.7	6.8	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	
MIN	10.2	11.0	12.6	13.0	10.2	10.1	10.4	12.0	6.4	6.4	7.6	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	
DUR	3	11	4	3	3	3	4	3	5	5	5	10	3	5	4	4	4	4	4	3	4	5	5	4	4	
										(S)	(S)															
0- 1	9.0												6.5			1.5				10.5				8.5	5.5	
1- 2											9.5		11.0						5.5						9.5	
2- 3	6.0	5.5	2.5									4.0	1.5	1.5			8.5			2.0			11.0			
3- 4				8.0				2.0	6.5				6.0	9.5						4.0			4.0	8.0		
4- 5	3.5		4.5										10.5		2.0					6.0						
5- 6	9.5														6.5		2.0			8.0	3.5		6.5	6.5		
6- 7	0.5		6.5	1.5		11.0					9.5		5.0	1.0	11.0		11.0			10.5	7.0			10.5		
7- 8	7.0									1.5			9.5	9.0		7.5					10.0		9.0	5.0		
8- 9								2.0	7.5										5.5	1.5					9.0	
9-10	4.0		1.5										4.0			3.0	4.5			3.5		1.5				
10-11	10.5			3.0									8.5	1.0	1.0					6.0				4.5	7.5	
11-12	1.5		3.5								9.0			8.5	6.0					8.0		5.5	9.5			
12-13	7.5									2.5		2.0	3.5		10.5					10.0				7.0	6.0	
13-14			5.5					2.0	9.0				8.0				7.0				2.5	9.5			10.0	
14-15	5.0			5.0	5.5															1.5	5.5		9.5			
15-16	11.0		7.5		5.5							9.5	2.5	8.5					6.0	3.5	9.0				8.5	
16-17	2.0				5.5						9.0		7.0			9.0				5.5						
17-18	8.5				5.5					4.0					5.5		9.5			8.0				5.0	7.0	
18-19			2.5	6.5	5.5			2.0	10.0				1.5		10.0	4.5				10.0			7.5		11.0	
19-20	5.5				5.0								6.0	8.0										7.5	5.5	
20-21			4.5		5.0												3.0								9.5	
21-22	3.0				5.0						9.0		1.0							3.5	1.5		10.0			
22-23	9.0		6.5	8.5	5.0		1.0		5.0				5.5						6.5	5.5	4.5	1.5			8.0	
23-24					5.0			2.0					10.0	7.5	4.5					7.5	8.0					
24-25	6.5		8.5		4.5										9.5		5.5	11.0		9.5	11.0	5.5		5.5	7.0	
25-26			1.5	1.5	4.5							7.5	4.5			10.5									10.5	
26-27	4.0			10.0	4.5						8.5		9.0							1.0		9.5		8.0		
27-28	10.0		3.5		4.5					6.0				7.5		6.0				3.0						9.5

	W	RV	Y	SW	ZZ	BR	CG	V346	V387	V477	W	TY	YY	FZ	Z	TW	UZ	UZ	AI	YY	YY	RW	SZ	TU	CT
	CRV	CRV	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA	ERI	ERI	GEM	HER	HER	HER
MAX	10.6	9.0	7.0	9.3	10.7	9.4	11.0	11.8	11.5	8.3	9.4	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
MIN	11.2	10.0	7.6	11.8	12.0	10.5	11.8	13.6	12.3	9.2	12.7	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
DUR	4	4	6	5	4	4	3	5	3	4	7	4	4	3	4	5	5	5	4	3	3	5	4	5	4
	(S)																	(S)		(S)					
0- 1	10.0						11.0					11.0								2.5	6.0				
1- 2	4.5	8.0	2.0		3.5				1.0					1.5			10.0	3.5	1.5	5.5					
2- 3	8.5				10.0	3.0	10.5							10.0	1.0			8.5		4.5					
3- 4				3.0	1.0	11.0	2.0		3.0								1.0			3.5				9.5	
4- 5	7.0	8.0	2.0																	6.5	3.0		8.0		
5- 6	11.0								1.0					3.5						6.0	2.0	8.5			
6- 7	5.5					2.5											7.5			5.0	1.0				
7- 8	9.5	7.5	2.0		10.5	10.5													3.5	4.0					
8- 9					1.5		3.0			2.0									8.0	3.5	7.0	5.5	10.5		9.5
9-10	8.0													5.0						2.5	6.5				
10-11		7.5	2.0			2.5				10.0										1.5	5.5				
11-12	7.0					10.5		10.5										5.0			4.5	2.0			
12-13	10.5				11.5				2.0											7.5	3.5			11.0	
13-14	5.5	7.0	1.5		2.5									7.0	6.5				3.5	6.5	3.0		8.0		
14-15	9.5				8.5	2.5					1.5							11.0	8.0	6.0	2.0				
15-16						10.5	1.5			2.5		2.0								5.0	1.0				
16-17	8.0	7.0	1.5													2.0	2.5			4.0					
17-18									11.0						8.5					3.5	7.0		10.5		
18-19	6.5				3.0	2.5														2.5	6.5				
19-20	10.5	6.5	1.5		9.0	10.5			3.0									8.5		3.0	1.5	5.5			
20-21							3.0							1.5					8.0	1.0	4.5				
21-22	9.0			10.0					1.5		1.0	1.5		10.5						7.5	4.0				
22-23			1.5			2.5														7.0	3.0				
23-24	7.5				3.5	10.5														6.0	2.0				
24-25					10.0									1.5	3.5			6.0		5.0	1.0				11.0
25-26	6.0		1.5		1.0		4.0	3.5				1.0							3.0	4.0	8.0	10.0			
26-27	10.0					2.5			4.5										8.0	3.5	7.0		10.5		
27-28						10.5	1.5									7.5				2.5	6.5				

	AV	SW	VX	CM	SS	delt	EW	FL	RU	RU	RW	BO	U	SX	EQ	ER	FL	U	TY	Z	RT	ST	XZ	beta	Y
	HYA	LAC	LAC	LAC	LIB	LIB	LYR	LYR	MON	MON	MON	MON	OPH	OPH	ORI	ORI	ORI	PEG	PEG	PER	PER	PER	PER	PER	PSC
MAX	10.2	9.2	10.9	8.5	10.4	4.8	11.2	8.7	10.6	10.6	9.1	10.8	5.8	10.5	10.3	9.5	10.5	9.7	10.5	9.9	10.6	9.7	10.6	2.2	9.0
MIN	10.6	10.0	12.3	9.5	11.3	5.9	13.6	9.5	11.3	11.3	11.9	12.1	6.5	11.2	13.3	10.2	13.2	10.5	12.6	12.4	12.0	13.2	12.7	3.5	12.0
DUR	4	3	4	4	6	7	5	4	5	5	5	5	5	5	4	3	3	3	6	6	4	5	4	8	7

(S)

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

Page 4

	U	RW	AC	AM	V	X	RV	W	TX	VV	XZ	RU	AG	BU
	SGE	TAU	TAU	TAU	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMI	VIR	VUL
MAX	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	9.1	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	4	6	4	4	4	4	3	6	3	3	4	4	3

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

Page 1

	RT	TW	WZ	XZ	AB	OO	V343	WW	WW	ZZ	Y	SV	AL	RZ	TV	AB	U	XX	EG	R	UU	U	V	W	W	
	AND	AND	AND	AND	AND	AQL	AQL	AUR	AUR	BOO	CAM	CAM	CAM	CAS	CAS	CAS	CEP	CEP	CEP	CMA	CMA	CRB	CRT	CRV	CRV	
MAX	9.3	8.8	11.6	10.0	9.3	9.2	10.6	5.7	5.7	6.8	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	
MIN	10.2	11.0	12.6	13.0	10.2	10.1	12.3	6.4	6.4	7.6	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	
DUR	3	11	4	3	3	3	4	5	5	5	10	3	5	4	4	4	4	4	3	4	5	5	4	4	4	
								(S)	(S)																(S)	
0- 1												3.5				7.5			5.0					4.0	8.5	
1- 2	7.0			3.0								8.0		4.0				6.5	7.5				3.0	8.0	3.0	
2- 3														9.0					9.5	3.5				2.5	7.0	
3- 4	4.5	2.0								8.5		3.0	7.0							6.5			6.0	6.5		
4- 5									7.5			7.5				10.0						3.0			5.5	
5- 6	2.0			5.0			9.5												3.0				8.5	5.0	9.5	
6- 7	8.0		2.5		3.5							2.0							5.0					9.0	4.5	
7- 8					3.5						5.5	6.5	6.5	3.5		4.0			7.0					3.5	8.0	
8- 9	5.5		4.5		3.5			2.5		8.5				8.5	7.5			7.0	9.5				3.5	7.5	3.0	
9-10				6.5	3.5				8.5												5.5					7.0
10-11	2.5				3.0							5.5			3.0					2.0			6.5	6.0		
11-12	8.5				3.0	9.5						10.0	6.0			6.0	10.0		2.5	5.5				10.0	5.5	
12-13					3.0														5.0	8.5			9.0	4.5	9.5	
13-14	6.0				3.0	10.0		3.5		8.0		5.0		3.0					7.0					8.5	4.0	
14-15					3.0				10.0			9.5		7.5					9.0							8.0
15-16	3.5		3.5		2.5								6.0			8.5		7.0					4.0	7.0		
16-17	9.5				2.5							4.0				10.0										6.5
17-18			5.5		2.5						3.5	8.5			9.0				2.5				7.0	5.5		
18-19	7.0				2.5			4.5		8.0						2.0			4.5					9.5	5.0	
19-20					2.5							3.0	5.5	2.5	4.5				6.5	4.5			9.5	4.5	9.0	
20-21	4.0			3.0	2.0							7.5		7.0					9.0	7.5				8.5		
21-22	10.5				2.0												9.5					9.0				7.5
22-23			2.5		2.0							2.5				4.5		7.5			5.5		4.5	7.0		
23-24	7.5				2.0			6.0		7.5		7.0	5.0						2.0							6.0
24-25			4.5	5.0	2.0														4.5				7.5	5.5	10.0	
25-26	5.0				1.5									2.0					6.5					9.5	4.5	
26-27			6.5									6.0		6.5		7.0	9.0		8.5				10.0			8.5
27-28	2.0												4.5							3.0				8.0		
28-29	8.5			6.5				7.0		7.5					6.0					6.5		7.0				7.0
29-30												5.0						7.5	2.0	9.5			5.0	6.5		
30-31	5.5										9.0	9.5				9.5			4.0							6.0

	RV	SW	WW	ZZ	BR	CG	V346	V387	Z	TW	UZ	UZ	AI	YY	YY	RW	SZ	TU	CT	AV	SW	VX	CM	SS	delt
	CRV	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DRA	DRA	DRA	DRA	DRA	ERI	ERI	GEM	HER	HER	HER	HYA	LAC	LAC	LAC	LIB	LIB
MAX	9.0	9.3	9.9	10.7	9.4	11.0	11.8	11.5	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	4.8
MIN	10.0	11.8	13.2	12.0	10.5	11.8	13.6	12.3	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	5.9
DUR	4	5	5	4	4	3	5	3	4	5	5	5	4	3	3	5	4	5	4	4	3	4	4	6	7
												(S)			(S)										
0- 1	5.5								5.0							7.0		8.0							
1- 2								9.0			3.5			4.5					7.0						
2- 3				1.5						3.0				4.0							3.0				
3- 4	5.5			8.0									3.0	3.0	3.5	8.0			8.0	2.0					7.5
4- 5									7.0		9.5		7.5	2.0									7.5		
5- 6						9.0	9.0							5.0				9.5	9.5						
6- 7	5.0													4.5					2.0						
7- 8				2.5										3.5		10.5						2.0			
8- 9				8.5				10.5	8.5					2.5		6.0			3.0						
9-10	5.0											7.0	2.5	1.5	5.5		9.5								
10-11						10.0							7.5		4.5				4.0	3.5					7.0
11-12					10.5				2.0						4.0						2.5				
12-13	4.5														3.0	8.0			5.5						
13-14				9.0						8.5					2.0										
14-15					2.0						4.5			5.0				8.0	6.5				9.0		
15-16	4.5				10.0				3.5				2.5	4.5											
16-17		7.0					8.5			3.5			7.5	3.5		10.0			8.0						
17-18	10.0							9.5						2.5											6.5
18-19				10.0	2.0									2.0	5.5				9.0	4.0					
19-20					10.0				5.5			2.0			5.0						3.0				
20-21	10.0			7.0											4.0	8.0			10.0	2.0					
21-22													2.5		3.0		8.0		2.5						
22-23					2.0	10.0						8.0	7.0	6.0	2.0							3.0			
23-24	9.5				10.0				7.0					5.0		5.0		6.5	4.0						
24-25				1.5										4.5											
25-26				8.0				2.0						3.5		10.0	6.5		5.0			2.0			
26-27	9.5		2.0		2.0									2.5	6.5	1.5					4.5				
27-28					10.0				8.5	9.0	5.5		2.5	2.0	5.5				6.0	3.5					
28-29						2.0							7.0		5.0						2.5				
29-30	9.0		10.0	2.5											4.0				7.5						
30-31				8.5	2.0				2.0	4.5				7.0	3.0		8.0		10.0						

	EW	FL	RU	RU	RW	BO	U	SX	EQ	ER	FL	U	Z	RT	RV	ST	XZ	beta	U	RW	AC	AM	V	X	RV
	LYR	LYR	MON	MON	MON	MON	OPH	OPH	ORI	ORI	ORI	PEG	PER	PER	PER	PER	PER	PER	SGE	TAU	TAU	TAU	TRI	TRI	TRI
MAX	11.2	8.7	10.6	10.6	9.1	10.8	5.8	10.5	10.3	9.5	10.5	9.7	9.9	10.6	10.3	9.7	10.6	2.2	6.4	8.0	10.5	10.4	10.9	8.9	11.4
MIN	13.6	9.5	11.3	11.3	11.9	12.1	6.5	11.2	13.3	10.2	13.2	10.5	12.4	12.0	12.7	13.2	12.7	3.5	9.1	12.5	12.3	12.3	11.9	12.0	12.5
DUR	5	4	5	5	5	5	5	5	4	3	3	3	6	4	8	5	4	8	6	4	6	4	4	4	4

(S)

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

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

Page 1

	RT	WZ	XZ	AB	XZ	OO	V342	V343	V346	WW	ZZ	Y	SV	AL	RZ	TV	AB	U	XX	EG	R	UU	U	V	W
	AND	AND	AND	AND	AQL	AQL	AQL	AQL	AQL	AUR	BOO	CAM	CAM	CAM	CAS	CAS	CAS	CEP	CEP	CEP	CMA	CMA	CRB	CRT	CRV
MAX	9.3	11.6	10.0	9.3	9.3	9.2	9.0	10.6	9.0	5.7	6.8	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
MIN	10.2	12.6	13.0	10.2	11.2	10.1	12.5	12.3	10.4	6.4	7.6	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
DUR	3	4	3	3	7	3	7	4	4	5	5	10	3	5	4	4	4	4	4	3	4	5	5	4	4
										(S)	(S)														
0- 1				9.0										4.5				9.0		6.5				8.0	5.0
1- 2	3.0			9.0									4.5		6.0					8.5					9.0
2- 3	9.0			9.0							7.5		9.0				3.0								3.5
3- 4				8.5																				3.0	7.5
4- 5	6.5			8.5	9.5								3.5	4.0								5.5	4.5		2.0
5- 6				8.5									8.0					8.5	8.0	4.0	5.5			5.5	6.0
6- 7	3.5			8.5						3.0						7.5	5.5			6.0					8.0
7- 8	10.0	2.5		8.5							7.0		2.5		5.5					8.0				8.0	4.5
8- 9			3.5										7.0	3.5		3.0									8.5
9-10	7.0											7.0													3.5
10-11																	8.0	8.0						3.5	7.0
11-12	4.5					7.5				4.5			6.5							3.5			2.0		
12-13			5.0								7.0			3.5					8.5	6.0				6.0	6.0
13-14						8.0									5.0					8.0	4.0				9.5
14-15	8.0					8.5							5.5		9.5									8.5	4.5
15-16						8.5										9.0		8.0							8.5
16-17	5.0	3.5				9.0				5.5				3.0											3.0
17-18						9.0					6.5		4.5			4.5	4.0			3.5		5.5		4.0	7.0
18-19	2.5					9.5							9.0							5.5					
19-20	8.5							9.0				5.0			4.5				8.5	7.5				6.5	5.5
20-21													4.0	2.5	9.0				7.5						9.5
21-22	6.0									7.0			8.5				6.5				3.0			9.0	4.0
22-23								8.5			6.5										6.0				8.0
23-24	3.0	2.5											3.0							3.0					2.5
24-25	9.5												7.5	2.0						5.5				4.5	6.5
25-26		4.5													3.5		9.0	7.0		7.5					
26-27	6.5									8.0					8.5	6.0			9.0	9.5				7.0	5.0
27-28			3.5				9.0				6.5		6.5												9.0
28-29	4.0																2.5					8.5	9.5	3.5	
29-30												3.0		9.5						3.0				2.5	7.5

	W	RV	SW	WW	ZZ	BR	CG	V346	V387	V477	TY	YY	FZ	Z	TW	UZ	UZ	AI	YY	YY	RW	SZ	TU	CT	AV	
	CRV	CRV	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA	ERI	ERI	GEM	HER	HER	HER	HYA	
MAX	10.6	9.0	9.3	9.9	10.7	9.4	11.0	11.8	11.5	8.3	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	
MIN	11.2	10.0	11.8	13.2	12.0	10.5	11.8	13.6	12.3	9.2	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	
DUR	4	4	5	5	4	4	3	5	3	4	4	4	3	4	5	5	5	4	3	3	5	4	5	4	4	
	(S)																	(S)			(S)					
0- 1	9.5						6.0													2.5		3.5			8.5	
1- 2	4.5	9.0			6.0						8.5						3.0							4.5		
2- 3	8.5	3.0																2.0								
3- 4	3.0						9.5				7.5		3.5					7.0				8.0			2.5	
4- 5	7.0	8.5			9.5			8.0									9.0		2.5		6.0					
5- 6		2.5					7.0			9.5															3.5	
6- 7	5.5				6.5																					
7- 8	9.5	8.5					7.0						5.5												4.5	
8- 9	4.0	2.5		9.0																3.0		8.0		8.0		
9-10	8.0														6.5		7.0			2.5		3.5			6.0	
10-11	2.5	8.0					8.5																			
11-12	6.5				7.0				9.0					7.0												7.0
12-13																			3.5		6.5		9.5			
13-14	5.0	8.0			4.5				7.5					5.5					3.0			6.0				8.5
14-15	9.0											9.5					4.0									
15-16	3.5						9.5						9.0				6.5				3.0				9.5	
16-17	7.5	7.5			8.0	10.0														4.0						
17-18	2.0		7.0																	3.0		8.0		6.5		
18-19	6.0			7.5	5.0			6.5			9.0									2.5						3.0
19-20		7.5																					5.0			
20-21	4.5					9.5			8.5																	4.5
21-22	8.5				8.5													6.5	3.5							
22-23	3.5	7.0					8.0						3.5		7.5				3.0			6.0				5.5
23-24	7.0				6.0																					
24-25						9.5																				6.5
25-26	6.0	7.0																								
26-27	9.5				9.5								5.5							4.0						
27-28	4.5						9.5		9.5						6.0		5.0	6.5		2.5						
28-29	8.5	6.5		6.5	6.5	9.5																	6.5			9.0
29-30	3.0																			4.5						

	SW	VX	CM	SS	delt	EW	FL	RU	RU	RW	BO	U	SX	EQ	ER	FL	RT	RV	ST	XZ	beta	U V505	RW	AC	
	LAC	LAC	LAC	LIB	LIB	LYR	LYR	MON	MON	MON	MON	OPH	OPH	ORI	ORI	ORI	PER	PER	PER	PER	PER	SGE	SCR	TAU	TAU
MAX	9.2	10.9	8.5	10.4	4.8	11.2	8.7	10.6	10.6	9.1	10.8	5.8	10.5	10.3	9.5	10.5	10.6	10.3	9.7	10.6	2.2	6.4	6.4	8.0	10.5
MIN	10.0	12.3	9.5	11.3	5.9	13.6	9.5	11.3	11.3	11.9	12.1	6.5	11.2	13.3	10.2	13.2	12.0	12.7	13.2	12.7	3.5	9.1	7.6	12.5	12.3
DUR	3	4	4	6	7	5	4	5	5	5	5	5	5	4	3	3	4	8	5	4	8	6	5	4	6

(S)

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

	V	W	TX	VV	XZ	RU	AG	BU
	TRI	UMA	UMA	UMA	UMA	UMI	VIR	VUL
MAX	10.9	9.1	6.8	10.1	10.1	10.7	8.8	10.6
MIN	11.9	9.9	8.9	11.0	11.7	11.4	9.4	11.4
DUR	4	3	6	3	3	4	4	3

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

	RT	XZ	XZ	OO	V342	V343	V346	CX	WW	WW	ZZ	Y	SV	AL	RW	RZ	TV	AB	U	XX	EG	R	UU	U	V
	AND	AND	AQL	AQL	AQL	AQL	AQL	AQR	AUR	AUR	BOO	CAM	CAM	CAM	CAP	CAS	CAS	CAS	CEP	CEP	CEP	CMA	CMA	CRB	CRT
MAX	9.3	10.0	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	6.2	10.0	7.6	9.5
MIN	10.2	13.0	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	6.8	12.5	8.8	10.2
DUR	3	3	7	3	7	4	4	3	5	5	5	10	3	5	6	4	4	4	4	4	3	4	5	5	4
										(S)	(S)														
0- 1									3.0				6.0						7.0		5.0				
1- 2	7.5							8.5							7.0	3.0					7.5				5.0
2- 3											6.0					8.0		5.0							
3- 4	4.5												5.0							9.0					7.5
4- 5			8.0																						
5- 6						6.5			4.0								7.5		6.5		3.0			6.0	
6- 7	8.0							9.0					4.0					7.0			5.0				3.0
7- 8											6.0		8.5	9.0				3.0			7.0				
8- 9	5.5						6.5									7.5					9.0	4.0			5.5
9-10													3.5												
10-11									5.5				8.0							6.0					8.0
11-12	9.0							9.0						8.5											
12-13											5.5	8.0									4.5			4.0	
13-14	6.0												7.0					3.0			7.0				3.5
14-15				6.0	8.0											6.5	9.0				9.0				
15-16	3.5			6.0					6.5					8.5					6.0						6.0
16-17		3.5		6.5		8.0							6.0					4.5							
17-18				7.0							5.5								5.5						8.5
18-19	7.0			7.0																	4.5				
19-20			7.5	7.5			8.5						5.5	8.0							6.5				
20-21	4.0			8.0												6.0			5.5		9.0				4.0
21-22				8.0														8.0							
22-23				8.5							5.5	6.0	4.5												6.5
23-24	7.5			9.0									9.0	7.5											
24-25				9.0																	4.5				9.0
25-26	5.0												3.5				6.0		5.0		6.5	5.0			
26-27													8.0			5.5					8.5		5.0		
27-28											5.0			7.0											4.5
28-29	8.5												3.0					4.0							
29-30							7.0			4.0			7.0												7.0
30-31	5.5																		5.0		4.0				





Page 4

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

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



	W	W	RV	SW	WW	ZZ	CG	V346	V387	V477	W	TT	TY	YY	FZ	Z	TW	UZ	UZ	AI	SZ	TU	CT	AV	SW	
	CRV	CRV	CRV	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA	HER	HER	HER	HER	HYA	LAC
MAX	10.6	10.6	9.0	9.3	9.9	10.7	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	10.2	10.6	9.9	10.2	9.2	
MIN	11.2	11.2	10.0	11.8	13.2	12.0	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	12.0	13.4	11.2	10.6	10.0	
DUR	4	4	4	5	5	4	3	5	3	4	7	5	4	4	3	4	5	5	5	4	4	5	4	4	3	
	(S)																			(S)						
0- 1			3.5						8.5				5.0										4.5	6.0		
1- 2						5.5		4.0													8.0	6.5			5.0	
2- 3		6.5							6.5			7.0								5.5	3.5				4.0	
3- 4	6.0															5.5										
4- 5		5.0					6.0		4.5				4.0	7.5												
5- 6	4.5																		8.5							
6- 7		3.5				6.0	3.5														5.5		7.0		8.0	
7- 8											8.5		8.5		7.5										7.5	
8- 9	7.0											6.0		5.5		8.5			5.5						6.5	
9-10		6.0					7.5		7.5																5.5	
10-11	5.5										5.5							6.0			8.0	8.0			4.5	
11-12		5.0		4.0		6.5	4.5		5.5				7.5	8.5		4.0					3.5					
12-13	4.0																									
13-14						4.0			4.0															4.0		
14-15		7.5					8.5				5.0	5.0							5.0						8.5	
15-16	6.5												6.5	6.5							5.5		5.5	5.0	7.5	
16-17		6.0				7.5	6.0																		7.0	
17-18	5.0									4.0												3.5			6.0	
18-19		4.5				4.5	3.5		7.0						4.0										5.0	
19-20	3.5												6.0								8.0					
20-21	7.5		8.0	7.5	8.5				5.0											5.0	3.5					
21-22		7.0				8.0	7.0					8.5														
22-23	6.0													7.5	5.5											
23-24		5.5	7.5			5.5	4.5						5.0				7.0								8.0	
24-25	5.0									5.0											5.5		3.5		7.0	
25-26		4.0							8.0								5.0								6.5	
26-27		8.0	7.5				8.5								7.5				5.0			5.0		3.5	5.5	
27-28	7.5								6.0			7.5														
28-29		6.5				6.0	5.5												4.5		8.0			5.0		
29-30	6.0		7.0																		3.5					

	VX	CM	SS	delt	T	EW	FL	U	SX	TY	AQ	RT	XZ	Y	U	V505	AM	V	W	TX	VV	XZ	RU	AG	BU
	LAC	LAC	LIB	LIB	LMI	LYR	LYR	OPH	OPH	PEG	PEG	PER	PER	PSC	SGE	SGR	TAU	TRI	UMA	UMA	UMA	UMA	UMI	VIR	VUL
MAX	10.9	8.5	10.4	4.8	10.2	11.2	8.7	5.8	10.5	10.5	10.3	10.6	10.6	9.0	6.4	6.4	10.4	10.9	9.1	6.8	10.1	10.1	10.7	8.8	10.6
MIN	12.3	9.5	11.3	5.9	12.6	13.6	9.5	6.5	11.2	12.6	13.0	12.0	12.7	12.0	9.1	7.6	12.3	11.9	9.9	8.9	11.0	11.7	11.4	9.4	11.4
DUR	4	4	6	7	6	5	4	5	5	6	10	4	4	7	6	5	4	4	3	6	3	3	4	4	3

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



	W	W	RV	SW	WW	ZZ	BR	CG	V346	V387	V477	W	TT	TY	YY	FZ	Z	TW	UZ	UZ	AI	RW	SZ	TU	CT
	CRV	CRV	CRV	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA	GEM	HER	HER	HER
MAX	10.6	10.6	9.0	9.3	9.9	10.7	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	9.6	10.2	10.6	9.9
MIN	11.2	11.2	10.0	11.8	13.2	12.0	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	11.6	12.0	13.4	11.2
DUR	4	4	4	5	5	4	4	3	5	3	4	7	5	4	4	3	4	5	5	5	4	5	4	5	4
		(S)																							
0- 1		5.0			7.5	3.5		3.0					8.0		8.5										
1- 2	4.5						8.5		8.0		5.5				3.5										7.0
2- 3		3.5								9.0											5.0				
3- 4	3.0					6.5		7.0				4.5	6.5			7.0							5.5		
4- 5	7.0									7.0					7.5										
5- 6		6.0	6.5			4.0	8.5	4.5																6.5	
6- 7	5.5									5.5									8.0						
7- 8		5.0														5.0	4.0							8.0	
8- 9	4.0		6.0			7.5		8.0		3.5	6.5	5.5			6.5						4.5			3.5	
9-10		3.5					8.5						5.0					5.5							
10-11					6.5	4.5		5.5								8.0									5.5
11-12	6.5		6.0							8.5							6.0			5.5					
12-13		6.0						3.0	7.5						6.0									5.5	
13-14	5.0			4.5		8.0	8.5			6.5															
14-15		4.5	5.5													6.0					4.5			8.5	
15-16	3.5					5.5		6.5		4.5	7.5						7.5								
16-17	7.5	3.0											9.0	5.0										8.0	
17-18		7.0	5.5				8.5	4.0								9.0								3.5	9.0
18-19	6.0					9.0																			
19-20		5.5													9.0				9.0						4.0
20-21	5.0		5.0		5.0	6.0		8.0		7.5											4.5				
21-22		4.0					8.5									7.0							5.5	3.5	
22-23	3.5	8.0		8.0		3.5		5.5		5.5	8.5			7.5											
23-24	7.5		5.0						7.0				7.0		8.5			6.5							
24-25		6.5								4.0										6.5					
25-26	6.0					6.5	8.5	9.0																7.5	
26-27		5.0	4.5														4.0				4.5			3.5	7.5
27-28	4.5					4.0		6.5		8.5				7.5							9.0				
28-29	8.5	3.5											6.5		8.5										
29-30	3.0	7.5	4.5				8.5	4.0		7.0									4.0						
30-31	7.0				4.0	7.5											6.0					3.5	5.5	5.0	

	AV	SW	VX	CM	SS	delt	EW	FL	RU	BO	U	SX	U	TY	Z	RT	XZ	U	V505	V	X	RV	W	VV	XZ
	HYA	LAC	LAC	LAC	LIB	LIB	LYR	LYR	MON	MON	OPH	OPH	PEG	PEG	PER	PER	PER	SGE	SGR	TRI	TRI	TRI	UMA	UMA	UMA
MAX	10.2	9.2	10.9	8.5	10.4	4.8	11.2	8.7	10.6	10.8	5.8	10.5	9.7	10.5	9.9	10.6	10.6	6.4	6.4	10.9	8.9	11.4	9.1	10.1	10.1
MIN	10.6	10.0	12.3	9.5	11.3	5.9	13.6	9.5	11.3	12.1	6.5	11.2	10.5	12.6	12.4	12.0	12.7	9.1	7.6	11.9	12.0	12.5	9.9	11.0	11.7
DUR	4	3	4	4	6	7	5	4	5	5	5	5	3	6	6	4	4	6	5	4	4	4	3	3	3

(S)

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

Page 4

	RU	AG	BU
	UMI	VIR	VUL
MAX	10.7	8.8	10.6
MIN	11.4	9.4	11.4
DUR	4	4	3

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

Page 1

	RT	TW	WZ	XZ	AB	XZ	OO	V342	V343	V346	RY	CX	WW	ZZ	Y	SV	AL	RW	RZ	TV	AB	XX	EG	SS	U
	AND	AND	AND	AND	AND	AQL	AQL	AQL	AQL	AQL	AQR	AQR	AUR	BOO	CAM	CAM	CAM	CAP	CAS	CAS	CAS	CEP	CEP	CET	CRB
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	6.8	10.6	8.6	10.5	9.8	6.4	7.3	10.2	8.5	9.6	9.4	7.6
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	7.6	12.4	9.4	11.3	10.8	7.8	8.4	12.2	9.6	10.6	13.0	8.8
DUR	3	11	4	3	3	7	3	7	4	4	5	3	5	5	10	3	5	6	4	4	4	4	3	5	5
													(S)	(S)											
0- 1				3.5	4.5		7.0	8.0		8.5	3.0			2.5		4.0	9.5			7.5		4.5	6.0		
1- 2	3.0		6.5		4.5		7.5					2.5				8.5			4.0				8.5		
2- 3	9.5				4.0	4.5	7.5					5.0							8.5	3.0				9.5	
3- 4			8.5		4.0		8.0					8.0				3.0					3.5				
4- 5	6.5			5.5	4.0	8.0	8.5									7.5	9.0	6.5							
5- 6					4.0		8.5							2.5									3.5	9.0	
6- 7	4.0		3.5		3.5		9.0					2.5			7.0	2.5							6.0		
7- 8					3.5		9.5	2.5	8.0			5.0				7.0				3.5		6.0	5.0	8.0	
8- 9			5.5	7.0	3.5		9.5			2.5		8.0					8.5		8.0					8.5	
9-10	7.5				3.5				4.5	5.0										9.0					
10-11			7.5		3.5					7.5			9.5			6.0									
11-12	4.5				3.0															5.0	8.5		3.5	8.0	
12-13			9.5	9.0	3.0							5.5					8.5						5.5		
13-14					3.0							8.0				5.0			3.0				8.0		9.0
14-15	8.0				3.0											9.5			7.5		5.5				
15-16			4.5		3.0																				
16-17	5.5				2.5									5.0	4.5	8.0									
17-18			6.5		2.5	4.0		6.5				5.5				9.0							3.5		
18-19	2.5				2.5				9.5			8.0									4.5		5.5		
19-20	9.0	3.0	8.5	3.5	2.5	7.0				4.0						3.5			2.5				7.5		
20-21					2.5				6.0	6.5						8.0	7.5		7.0	6.5			9.5		6.5
21-22	6.0				2.0					9.0												5.5			
22-23			3.5						2.5			5.5				2.5					7.0				
23-24	3.5	6.0		5.5			2.5					8.0				7.0							3.0		
24-25	9.5		5.5		10.0		2.5										7.0						5.0		
25-26					9.5		3.0																7.5		
26-27	7.0		7.5		9.5		3.5							3.0	6.5				6.5		9.0		9.5		
27-28		9.0		7.0	9.5		3.5					5.5													4.5
28-29	4.5		9.5		9.5		4.0					8.5					7.0				6.0				
29-30					9.5		4.5			3.0						5.5				8.0	3.0		3.0		
30-31					9.0		4.5			5.5													5.0		





Page 4

	V	X	RV	W	TX	VV	XZ	RU	AG	BU
	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMI	VIR	VUL
MAX	10.9	8.9	11.4	9.1	6.8	10.1	10.1	10.7	8.8	10.6
MIN	11.9	12.0	12.5	9.9	8.9	11.0	11.7	11.4	9.4	11.4
DUR	4	4	4	3	6	3	3	4	4	3

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

	RT	TW	WZ	XZ	AB	XZ	OO	V342	V343	V346	RY	CX	WW	WW	Y	SV	AL	RW	RZ	TV	AB	U	XX	EG	R	
	AND	AND	AND	AND	AND	AQL	AQL	AQL	AQL	AQL	AQR	AQR	AUR	AUR	CAM	CAM	CAM	CAP	CAS	CAS	CAS	CAS	CEP	CEP	CEP	CMA
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	9.8	6.4	7.3	10.2	6.7	8.5	9.6	6.2	
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	10.8	7.8	8.4	12.2	9.8	9.6	10.6	6.8	
DUR	3	11	4	3	3	7	3	7	4	4	5	3	5	5	10	3	5	6	4	4	4	4	4	4	3	

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

	U	W	W	RV	Y	SW	WW	ZZ	BR	CG	V346	V387	V477	W	TT	TY	YY	FZ	Z	TW	UZ	UZ	AI	YY	YY
	CRB	CRV	CRV	CRV	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA	ERI	ERI
MAX	7.6	10.6	10.6	9.0	7.0	9.3	9.9	10.7	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
MIN	8.8	11.2	11.2	10.0	7.6	11.8	13.2	12.0	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
DUR	5	4	4	4	6	5	5	4	4	3	5	3	4	7	5	4	4	3	4	5	5	5	4	3	3
			(S)		(S)																	(S)			(S)
0- 1					10.0			9.0					6.5				5.0						3.5	7.0	
1- 2							8.5			6.0		5.5									9.5	8.0			10.0
2- 3								6.0			10.5							9.0	4.5						9.0
3- 4	2.0			1.0	10.0				8.0	3.5		3.5				5.0	9.0	3.5		9.0					8.5
4- 5								3.5		9.5		10.5			8.5	9.5	4.0								7.5
5- 6								9.5			4.5	2.0													10.5
6- 7					10.0	1.5				7.0		8.5						7.0	6.0	4.5	7.0		3.5	9.5	6.5
7- 8								7.0	8.0				7.0		5.5		8.0	1.5					8.0	8.5	
8- 9										4.5		6.5					3.5								8.0
9-10					10.0			4.0								4.0		10.0							7.0
10-11								10.0		2.0		5.0			2.5	8.5		5.0	8.0						10.0
11-12							7.5	1.5	7.5	8.5							7.5					4.5			9.0
12-13					9.5			7.5					3.0				2.5						3.0		8.5
13-14										5.5	10.0	9.5						8.0					8.0		7.5
14-15								5.0					8.0					3.0	9.5			11.0			10.5
15-16			1.5		9.5	5.0			7.5	3.0		8.0				2.5	6.5								9.5
16-17								2.0		9.5	3.5					7.5	1.5				2.0				9.0
17-18								8.0				6.0						6.0	2.5	9.5					8.0
18-19					9.5					7.0				8.0			10.5						3.0		
19-20								5.5	7.5			4.0					5.5				8.0		8.0		10.0
20-21										4.5								9.5		5.0					9.0
21-22		1.5			9.5		6.0	2.5		10.5		2.0	9.0					4.0	4.5						8.5
22-23								9.0		2.0		9.0				6.0	10.0								
23-24									7.5	8.0				3.0				5.0							10.5
24-25					9.5	8.5		6.0			9.0	7.0						7.0			5.5	3.0	9.5		
25-26										5.5								2.0	6.0				7.5	9.0	
26-27		2.5						3.5				5.0	2.0				9.0								8.0
27-28	6.0		2.0		9.5			9.5	7.5	3.0	3.0			8.0			4.0	10.5							
28-29		1.5								9.5		3.5	10.0			5.0		5.0							10.0
29-30								7.0				10.0				9.5			8.0		3.0				9.5



	XZ	beta	Y	U	V505	RW	AC	V	X	RV	W	TX	VV	XZ	RU	AG	BU
	PER	PER	PSC	SGE	SGR	TAU	TAU	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMI	VIR	VUL
MAX	10.6	2.2	9.0	6.4	6.4	8.0	10.5	10.9	8.9	11.4	9.1	6.8	10.1	10.1	10.7	8.8	10.6
MIN	12.7	3.5	12.0	9.1	7.6	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	4	8	7	6	5	4	6	4	4	4	3	6	3	3	4	4	3
0- 1			9.5		3.0			3.0			8.5						2.5
1- 2					7.5		9.5	7.0		10.0	8.5		4.0		1.5		6.0
2- 3						5.0				4.5	8.5				2.5	2.0	9.5
3- 4	3.0						10.5				8.5		5.5		4.0		
4- 5	6.5		4.0					5.5		10.5	8.5				5.0		2.5
5- 6	10.0							9.5	10.5	4.5	8.5		7.0	3.0	6.5		5.5
6- 7				7.5					9.5		8.5			8.0	7.5		9.0
7- 8					5.5			3.5	9.0		8.5		8.5		8.5		
8- 9								7.5	8.5	5.0	8.5				10.0		2.0
9-10									7.5		8.5		10.0				5.0
10-11									7.0		8.5		2.5				8.5
11-12	4.5							6.0	6.5	5.5	8.5					1.5	
12-13	8.0								10.0	5.5	8.5		4.0		2.0		1.5
13-14				1.5	3.5	7.0			5.0		8.5				3.5		5.0
14-15					8.0			4.0	4.5	5.5	8.5		5.5		4.5		8.0
15-16		9.0						8.0	3.5		8.5				5.5		
16-17				10.5					3.0		8.5		7.0	3.0	7.0		
17-18										6.0	8.5			8.0	8.0		4.5
18-19		6.0						6.5			8.5		8.5		9.5		7.5
19-20	6.0		5.5		1.5			10.5			8.5	2.0			10.5		
20-21	9.5				6.0					6.5	8.5		10.0			1.5	
21-22								4.5			8.5		2.5				4.0
22-23								8.5			9.0	4.0			1.5		7.5
23-24				5.0						6.5	9.0		4.0		2.5		10.5
24-25						9.0		3.0			9.0				4.0		
25-26								7.0			9.0	5.5	5.5		5.0		3.5
26-27	3.5				3.5					7.0	9.0				6.5		7.0
27-28	7.5				8.0						9.0		7.0	3.0	7.5	3.5	10.0
28-29								5.0			9.0			8.0	8.5		
29-30								9.0		7.5	9.0		8.5		10.0	1.5	3.0



	UU	U	Y	SW	WW	ZZ	BR	CG	V346	V387	V477	W	TT	TY	YY	FZ	Z	TW	UZ	UZ	AI	YY	YY	RW	SZ
	CMA	CRB	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA	DRA	ERI	ERI	GEM	HER
MAX	10.0	7.6	7.0	9.3	9.9	10.7	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
MIN	12.5	8.8	7.6	11.8	13.2	12.0	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
DUR	5	5	6	5	5	4	4	3	5	3	4	7	5	4	4	3	4	5	5	5	4	3	3	5	4
			(S)																	(S)		(S)			
0- 1			9.0					6.5		1.5			5.0		8.0						2.5	4.5	8.5		
1- 2					5.0	4.0	7.5			8.0					3.5	8.5		10.5			7.5	11.5	7.5	4.5	5.5
2- 3						10.5		4.0								3.0	1.0		9.5			10.5	6.5		1.0
3- 4			9.0			1.5		10.5		6.5	3.0		1.5					9.5				9.5	6.0		
4- 5		3.5				7.5		1.5						4.0	7.5			6.0				9.0	5.0		
5- 6	9.0						7.5	8.0	8.5	4.5				8.5	2.5	6.5						8.0			7.5
6- 7			9.0			5.0				11.0						1.0	3.0				2.5	7.0	11.0		3.0
7- 8						11.0		5.5		2.5							11.5	1.5		6.5	7.5	6.5	10.0		
8- 9				2.0		2.0			2.5	9.5					6.5							5.5	9.5		
9-10			9.0			8.0	7.5	3.0		0.5					1.5	4.5							8.5		
10-11								9.0		7.5	4.0						4.5					11.5	7.5		5.5
11-12		1.5			4.0	5.5									7.5							10.5	7.0		1.0
12-13			9.0					6.5		5.5		8.5			5.5	7.5			4.0		2.5	10.0	6.0		
13-14						3.0	7.5								1.0	2.5					7.0	9.0			
14-15						9.0		4.0		3.5							6.5					8.0			7.5
15-16			9.0					10.5		10.5								11.5	10.5			7.0	11.0		3.0
16-17						6.0		1.5	8.0	2.0				2.0	5.0	5.5						6.5	10.0		
17-18				5.5			7.0	7.5		8.5	5.0	4.0		6.5						1.5		5.5	9.5		
18-19	9.0		8.5			3.5											8.0	6.5		2.5		8.5	9.5		
19-20						9.5		5.0	2.0	6.5					9.0	8.5					7.0	7.5			5.5
20-21						0.5		11.5					7.0		4.0	3.5				8.0		10.5	7.0		1.0
21-22			8.5		3.0	7.0	7.0	2.5		5.0							1.0	2.0				10.0	6.0	6.0	
22-23								9.0							1.0							9.0			
23-24						4.0				3.0			4.0	5.5	8.0	6.5						8.0			7.5
24-25			8.5		10.5	10.5		6.5		9.5	6.0			10.0	3.5	1.5					2.0	7.5	11.0		3.0
25-26						1.5	7.0			1.0								3.0		5.0	7.0	6.5	10.5		
26-27				9.0		7.5		4.0		8.0			1.0			10.0	11.5					9.5			
27-28			8.5					10.0	7.5						7.5	4.5						8.5			
28-29						5.0		1.0		6.0					2.5				11.5			7.5			5.5
29-30						11.0	7.0	7.5						4.5			4.5					10.5	7.0		1.0
30-31			8.5			2.0			1.0	4.0				9.0		8.0				2.5	2.0	10.0			

	TU	CT	AV	SW	VX	CM	SS	delt	EW	FL	RU	RU	RW	BO	U	SX	EQ	ER	FL	U	TY	AQ	Z	RT	RV
	HER	HER	HYA	LAC	LAC	LAC	LIB	LIB	LYR	LYR	MON	MON	MON	MON	OPH	OPH	ORI	ORI	ORI	PEG	PEG	PEG	PER	PER	PER
MAX	10.6	9.9	10.2	9.2	10.9	8.5	10.4	4.8	11.2	8.7	10.6	10.6	9.1	10.8	5.8	10.5	10.3	9.5	10.5	9.7	10.5	10.3	9.9	10.6	10.3
MIN	13.4	11.2	10.6	10.0	12.3	9.5	11.3	5.9	13.6	9.5	11.3	11.3	11.9	12.1	6.5	11.2	13.3	10.2	13.2	10.5	12.6	13.0	12.4	12.0	12.7
DUR	5	4	4	3	4	4	6	7	5	4	5	5	5	5	5	5	4	3	3	3	6	10	6	4	8

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

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

	RT	TW	WZ	XZ	AB	XZ	OO	V342	V343	V346	RY	CX	WW	WW	ZZ	Y	SV	AL	RW	RZ	TV	AB	U	XX	EG	
	AND	AND	AND	AND	AND	AQL	AQL	AQL	AQL	AQL	AQR	AQR	AUR	AUR	BOO	CAM	CAM	CAM	CAP	CAS	CAS	CAS	CEP	CEP	CEP	
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	6.8	10.6	8.6	10.5	9.8	6.4	7.3	10.2	6.7	8.5	9.6	
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	7.6	12.4	9.4	11.3	10.8	7.8	8.4	12.2	9.8	9.6	10.6	
DUR	3	11	4	3	3	7	3	7	4	4	5	3	5	5	5	10	3	5	6	4	4	4	4	4	3	
														(S)												
0- 1	8.0		9.5	11.0	3.0	1.0	0.5		4.5	4.5		7.0	11.0		11.0	6.0	2.5	1.0							7.0	
1- 2		8.0	2.5		2.5		1.0										6.5	9.0		5.0		8.5			9.0	
2- 3	5.0				2.5	4.0	1.0		1.0								11.0			9.5					11.5	
3- 4	11.5		4.5	4.0	2.5		1.5					1.5					1.5						6.5		0.5	
4- 5	2.5				2.5		2.0					4.0		5.5			6.0	0.5			9.5	2.5		0.5	2.5	
5- 6	8.5	11.0	6.5		2.5		2.0					7.0			10.5		10.5	8.5				11.0			4.5	
6- 7					2.0		2.5										0.5				5.0			8.5	7.0	
7- 8	6.0		8.5	5.5	2.0		3.0										5.0			4.0					9.0	
8- 9			1.5		2.0		3.0					1.5					9.5	0.5		9.0	0.5	4.5	6.0		11.0	
9-10	3.0		11.0		2.0		3.5			1.0		4.5		7.0			8.0									
10-11	9.5		3.5		2.0		3.5	1.0		3.5		7.0			10.5	4.0	4.5									2.5
11-12	0.5			7.5	1.5		4.0		6.0	6.0							8.5							1.0	4.5	
12-13	6.5		5.5		1.5		4.5															7.0				6.5
13-14					1.5		4.5		2.5			1.5			11.0	3.5	8.0		3.5	11.0			5.5	9.0	9.0	
14-15	4.0		7.5	0.5	1.5		5.0					4.5		8.0			8.0		1.0	8.5					11.0	
15-16	10.0		0.5	9.0	1.0		5.5					7.0									6.5	0.5				
16-17	1.5		10.0		1.0		5.5				6.5						2.5					9.5			2.0	
17-18	7.5		2.5		1.0	3.5	6.0										7.0	7.5			2.0				4.5	
18-19				2.5	1.0		6.5				6.0	2.0	3.0				11.5						5.5	1.0	6.5	
19-20	4.5		4.5	11.0	1.0		6.5					4.5		9.5			2.0			3.0		3.0			8.5	
20-21	11.0				0.5		7.0	5.5		2.5	5.0	7.0			2.0	6.0				8.0				9.5	10.5	
21-22	2.0		6.5		0.5					5.0							10.5	7.0								
22-23	8.0			4.0	0.5					7.5	4.5						1.0									2.0
23-24			8.5		0.5							2.0	4.0		9.0	5.5						5.5	5.0		4.0	
24-25	5.5		1.5		0.5				4.0		3.5	4.5		10.5			10.0		5.5		8.0				6.0	
25-26	11.5		11.0		8.0							7.0					7.0			2.5				1.5	8.5	
26-27	3.0	1.5	3.5	5.5	8.0				0.5		2.5						4.5			7.0	3.5				10.5	
27-28	9.0				8.0												9.0					8.0		9.5		
28-29			5.5		8.0						2.0	2.0	5.5										4.5		1.5	
29-30	6.0				7.5							4.5		11.5			3.5	6.5							4.0	

	SS	R	UU	U	V	W	W	Y	SW	WW	ZZ	BR	CG	V346	V387	V477	W	TT	TY	YY	FZ	Z	TW	UZ	UZ
	CET	CMA	CMA	CRB	CRT	CRV	CRV	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DEL	DRA	DRA	DRA	DRA
MAX	9.4	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	11.5	8.3	9.4	10.6	9.6	11	10.2	10.8	7.8	9.9	9.9
MIN	13.0	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	12.3	9.2	12.7	12.5	10.8	12	11.3	13.6	9.5	10.7	10.7
DUR	5	4	5	5	4	4	4	6	5	5	4	4	3	5	3	4	7	5	4	4	3	4	5	5	5
								(S)	(S)																(S)
0- 1			9.0		10.5	10.5				1.5	8.5		5.0			7.0				6.5	2.5				
1- 2		9.0																		1.5			7.5		
2- 3											5.5	7.0	2.5		9.0							6.5			9.0
3- 4													8.5		0.5						6.0				
4- 5											3.0				7.0				3.5	5.5	0.5		3.0		
5- 6						11.5		8.0			9.0		6.0							1.0					
6- 7												7.0			5.0							8.0			
7- 8					11.0						6.0		3.5	6.5		8.0					4.0			6.5	
8- 9								8.0							3.5					5.0					
9-10		8.0							2.0		3.5		1.0									1.5			
10-11		11.0								0.5	9.5	7.0	7.5	0.5	1.5		4.5		2.5		7.0	10.0			
11-12				3.0			11.5	8.0			0.5				8.0				7.0		2.0				
12-13											7.0		5.0			0.5		6.5		4.0					3.5
13-14			9.0							8.0					6.5							3.0			
14-15					11.5			8.0			4.0	7.0	2.0								5.0	11.5			
15-16											10.5		8.5		4.5			3.5					8.5		10.0
16-17											1.5								1.0	3.0					
17-18	11.0							8.0			7.5		6.0		2.5				6.0			4.5		1.0	
18-19		10.0		1.0			11.5		5.5			7.0		6.0	9.5						3.0		3.5		
19-20											5.0		3.5		0.5	1.5				7.5					
20-21	10.5							8.0			11.0		9.5		7.5					2.5				7.5	
21-22											2.0		1.0									6.0	6.5		
22-23											8.5	6.5	7.0		5.5							1.0			
23-24	10.0							7.5		7.0									5.0	6.5					
24-25											5.5		4.5		3.5					1.5					
25-26											11.5				10.5							4.0	8.0		5.0
26-27	9.5	8.5	9.0					7.5			3.0	6.5	2.0		1.5	2.5									
27-28									9.0		9.0		8.5		8.5						5.5				
28-29																				1.0	7.5	1.5			11.0
29-30	8.5							7.5			6.5		5.5	5.5	6.5				3.5		2.0	10.0	9.0		

	AI	YY	YY	RW	SZ	TU	CT	AV	SW	VX	CM	SS	T	EW	FL	RU	RU	RW	BO	SX	EQ	ER	FL	U	TY	
	DRA	ERI	ERI	GEM	HER	HER	HER	HYA	LAC	LAC	LAC	LIB	LMI	LYR	LYR	MON	MON	MON	MON	OPH	ORI	ORI	ORI	PEG	PEG	
MAX	7.2	8.4	8.4	9.6	10.2	10.6	9.9	10.2	9.2	10.9	8.5	10.4	10.2	11.2	8.7	10.6	10.6	9.1	10.8	10.5	10.3	9.5	10.5	9.7	10.5	
MIN	8.2	9.1	9.1	11.6	12.0	13.4	11.2	10.6	10.0	12.3	9.5	11.3	12.6	13.6	9.5	11.3	11.3	11.9	12.1	11.2	13.3	10.2	13.2	10.5	12.6	
DUR	4	3	3	5	4	5	4	4	3	4	4	6	6	5	4	5	5	5	5	5	4	3	3	3	6	
			(S)																						(S)	
0- 1	7.0	9.0	5.0			4.0			5.5						1.5							11.0		7.5		
1- 2	11.5	8.0	4.5						4.5							6.0		7.0				7.5		1.5		
2- 3		7.5	3.5		3.0			7.5	3.5				7.5		6.0							3.5	6.0	4.5		
3- 4		6.5	2.5						2.5		3.5			6.5								10.0		7.5		
4- 5		5.5	9.5					8.5	2.0													6.5		1.5		
5- 6	2.0	5.0	8.5				3.0		1.0				8.0	5.5								2.5	8.5	4.5		
6- 7	6.5	4.0	8.0		5.5			10.0	7.5		8.5						6.0				5.5	9.0		7.5		
7- 8	11.5	3.0	7.0	10.5	1.0				6.5	1.5				4.0				10.5				5.5		1.5		
8- 9		10.0	6.0					11.0	6.0	3.5			8.5		10.0								11.0	4.0		
9-10		9.0	5.0						5.0	5.0				3.0				8.5				8.5		7.0		
10-11		8.0	4.5	7.5					4.0	7.0												4.5		1.0		
11-12	1.5	7.5	3.5		3.0				3.0	8.5	4.0		9.0	1.5				6.0			11.5	11.0		4.0		
12-13	6.5	6.5	10.5						2.0	10.5									10.0			7.5		7.0		
13-14	11.5	5.5	9.5	4.5					1.5					0.5	3.0		10.0				5.5	4.0		1.0		
14-15		5.0	8.5				1.5		0.5		9.0		9.5									10.5		4.0		
15-16		4.0	8.0		5.5				7.0						7.5							6.5		7.0		
16-17		11.0	7.0		1.0	0.5			6.0															5.0	1.0	
17-18	1.5	10.0	6.0					8.5	5.5				10.0									9.5		4.0		
18-19	6.5	9.0	5.5						4.5												11.0	5.5		7.0		
19-20	11.0	8.5	4.5					9.5	3.5		4.5													7.5	1.0	
20-21		7.5	3.5		3.0				2.5				10.0									5.0	8.5		4.0	0.5
21-22		6.5	10.5					11.0	1.5	0.5		1.0						7.5				5.0		7.0		
22-23		5.5	9.5						1.0	2.5	9.5											11.5	10.0	1.0		
23-24	1.5	5.0	8.5						7.5	4.5			10.5									7.5		4.0	2.5	
24-25	6.0	4.0	8.0		5.5				6.5	6.0					0.5							4.0		7.0		
25-26	11.0	11.0	7.0		1.0	2.5			6.0	8.0											10.5	10.5		1.0		
26-27		10.0	6.0						5.0	9.5			11.0		5.0	8.5						7.0		4.0	5.0	
27-28		9.0	5.5						4.0	11.5	5.0											4.5		7.0		
28-29		8.5	4.5						3.0						9.0			10.0				9.5		1.0		
29-30	1.5	7.5	11.5		3.0				2.0				11.5							0.5		6.0		4.0	7.0	

	AQ	Z	RT	RV	ST	XZ	beta	Y	U	V505	RW	AC	AM	V	X	RV	W	TX	VV	XZ	RU	AG	BU	
	PEG	PER	PER	PER	PER	PER	PER	PSC	SGE	SGR	TAU	TAU	TAU	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMI	VIR	VUL	
MAX	10.3	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		6.0	10.5				6.0										1.5		8.0	10.5				
1- 2			7.0	5.0										3.5		11.5	1.5	8.5		11.5	11.5	3.0		
2- 3			3.0								3.0			8.0		5.5	1.5	1.0					6.5	
3- 4		7.5		4.5	9.5	4.0	3.0										1.5	10.0		1.5	10.0			
4- 5	2.0					7.5				4.5				2.0		11.5	1.5	2.5	0.0	2.5				
5- 6				3.5		11.0								6.0		5.5	1.5	11.5	5.5	3.5			3.0	
6- 7		8.5	9.0		1.0				4.0					10.0			1.5	4.0	11.0	5.0			6.0	
7- 8			5.5	3.0				4.5									1.5						6.0	
8- 9			2.0											4.0		6.0	2.0	5.5					7.5	
9-10		10.0		2.5										8.5			2.0						8.5	2.5
10-11						1.5				2.5	10.5						2.0	6.5	3.0	9.5	11.5	5.5		
11-12			11.5	2.0	8.0	5.5								2.5	11.5	6.5	2.0			8.5	11.0			
12-13		11.5	8.0			9.0								6.5	10.5	0.5	2.0	8.0				10.0		
13-14			4.0	1.0							5.0	3.5	10.5	10.0		2.0	5.5	0.5		0.5			2.0	
14-15			0.5											0.5	9.0	7.0	2.0	9.5			2.0		5.5	
15-16	4.0			0.5								4.5	5.0	8.5	1.0	2.0	2.0	2.0	0.5	3.0			8.5	
16-17										0.5				9.0	8.0		2.0	7.0	11.0	5.5	4.5			
17-18			10.0				11.0			5.0		5.5		7.0	7.0	2.0		3.5	11.0	5.5			1.5	
18-19			6.5			3.0								3.0	6.5	1.0	2.0				6.5		5.0	
19-20			3.0		6.5	6.5						6.5	7.0	6.0		2.0	8.5	5.0			8.0	11.5	8.0	
20-21						10.5	8.0							11.0	5.0	7.5	2.0				9.0			
21-22													7.5	1.0	4.5	1.5	2.0	6.5			10.5		1.0	
22-23								6.0						5.5	3.5		2.0	10.0		8.5	11.5		4.5	
23-24			9.0				4.5		1.5	3.0			8.5	9.5	3.0	8.0	2.0		8.0					8.0
24-25			5.0								6.5	4.0			2.5	2.0	2.0		0.5		1.5			
25-26			1.5			1.0							10.0	3.5	1.5		2.0	11.5	9.5		2.5		0.5	
26-27	6.5					4.5	1.5					5.0		7.5	1.0	8.0	2.0		2.0	0.5	3.5		4.0	
27-28					5.5	8.0							11.0	11.5	0.5	2.5	2.0		11.0	5.5	5.0			7.5
28-29			11.0									6.0		2.0			2.0		3.5	11.0	6.0	11.5		
29-30			7.5							0.5				6.0		8.5	2.0				7.5		0.5	

	RT	TW	WZ	XZ	AB	XZ	OO	V342	V343	V346	RY	CX	WW	WW	ZZ	Y	SV	AL	RW	RZ	TV	AB	U	XX	EG
	AND	AND	AND	AND	AND	AQL	AQL	AQL	AQL	AQL	AQR	AQR	AUR	AUR	BOO	CAM	CAM	CAM	CAP	CAS	CAS	CAS	CEP	CEP	CEP
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	6.8	10.6	8.6	10.5	9.8	6.4	7.3	10.2	6.7	8.5	9.6
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	7.6	12.4	9.4	11.3	10.8	7.8	8.4	12.2	9.8	9.6	10.6
DUR	3	11	4	3	3	7	3	7	4	4	5	3	5	5	5	10	3	5	6	4	4	4	4	4	3

(S)

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

Page 2

	SS	R	UU	U	V	W	W	RV	Y	SW	WW	ZZ	BR	CG	V346	V387	V477	W	TT	TY	YY	FZ	Z	TW	UZ
	CET	CMA	CMA	CRB	CRT	CRV	CRV	CRV	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	CYG	DEL	DEL	DEL	DEL	DEL	DRA	DRA	DRA
MAX	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	11.0	11.8	11.5	8.3	9.4	10.6	9.6	11	10.2	10.8	7.8	9.9
MIN	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	11.8	13.6	12.3	9.2	12.7	12.5	10.8	12	11.3	13.6	9.5	10.7
DUR	5	4	5	5	4	4	4	4	6	5	5	4	4	3	5	3	4	7	5	4	4	3	4	5	5
							(S)		(S)																

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

	UZ	AI	YY	YY	RW	SZ	TU	CT	AV	SW	VX	CM	EW	FL	RU	RU	RW	BO	U	EQ	ER	FL	U	TY	AQ
	DRA	DRA	ERI	ERI	GEM	HER	HER	HER	HYA	LAC	LAC	LAC	LYR	LYR	MON	MON	MON	MON	OPH	ORI	ORI	ORI	PEG	PEG	PEG
MAX	9.9	7.2	8.4	8.4	9.6	10.2	10.6	9.9	10.2	9.2	10.9	8.5	11.2	8.7	10.6	10.6	9.1	10.8	5.8	10.3	9.5	10.5	9.7	10.5	10.3
MIN	10.7	8.2	9.1	9.1	11.6	12.0	13.4	11.2	10.6	10.0	12.3	9.5	13.6	9.5	11.3	11.3	11.9	12.1	6.5	13.3	10.2	13.2	10.5	12.6	13.0
DUR	5	4	3	3	5	4	5	4	4	3	4	4	5	4	5	5	5	5	5	4	3	3	3	6	10
	(S)			(S)												(S)									
0- 1		6.0	6.5	3.0	9.0				8.0	1.0							7.5	5.0	0.5		2.5	4.0	7.0		
1- 2		11.0	6.0	2.0						0.5					8.0						8.5		1.0		
2- 3			5.0	1.0					9.0	7.0		0.5					5.5	10.5		10.5	5.0		4.0		
3- 4			4.0	8.0	5.5					6.0											1.5	6.5	7.0		
4- 5			3.0	7.0		1.0			10.5	5.5							3.0			4.0	8.0		1.0		
5- 6		1.0	2.5	6.0						4.5		5.5									4.0		4.0		
6- 7		6.0	1.5	5.5	2.5	12.0			11.5	3.5	1.5										0.5	9.0	7.0		
7- 8		10.5	8.5	4.5						2.5	3.5			2.0							7.0		1.0		
8- 9	6.0		7.5	3.5		3.0				1.5	5.5										3.5		4.0		
9-10			6.5	3.0						0.5	7.0			6.5						10.0	10.0	11.5	7.0		
10-11			6.0	2.0						7.5	9.0	1.0									6.0		1.0		
11-12		1.0	5.0	1.0					6.5	6.5							8.0			4.0	2.5		4.0		
12-13		6.0	4.0	8.0						5.5											9.0		6.5		
13-14		10.5	3.5	7.0		1.0			7.5	5.0		6.0									5.5		0.5		
14-15			2.5	6.5						4.0			4.5		6.5						1.5	3.5	3.5		
15-16			1.5	5.5		12.0	12.0		9.0	3.0											8.0		6.5		
16-17			8.5	4.5						2.0			3.5							9.5	4.5		0.5		
17-18		1.0	7.5	3.5		3.0			10.0	1.0						11.5					11.0	5.5	3.5		
18-19	0.5	5.5	6.5	3.0				0.0		0.5		1.5	2.5							3.5	7.0		6.5		
19-20		10.5	6.0	2.0					11.0	7.0						6.5	9.0				3.5		0.5		
20-21			5.0	9.0	10.5		1.0			6.0	1.0		1.0	4.0				6.0			10.0	8.0	3.5		
21-22	7.0		4.0	8.0						5.0	3.0	6.5			10.5						6.5		6.5		
22-23			3.5	7.0		1.0				4.5	4.5			8.0				11.0			2.5		0.5		
23-24		0.5	2.5	6.5	7.0					3.5	6.5						4.5			9.0	9.0	10.5	3.5		
24-25		5.5	9.5	5.5						2.5	8.0										5.5		6.5	1.0	0.5
25-26		10.5	8.5	4.5						1.5	10.0									3.0	2.0		0.5		
26-27			7.5	4.0	4.0	3.0			7.0	0.5		2.0				10.5					8.5		3.5		
27-28			7.0	3.0						7.5											4.5		6.5	3.0	
28-29			6.0	10.0					8.5	6.5											11.0		0.5		
29-30		0.5	5.0	9.0			2.5			5.5		7.5									7.5		3.5		
30-31		5.5	4.0	8.0		5.0			9.5	4.5										9.0	3.5		6.5	5.5	

	Z	RT	RV	ST	XZ	beta	Y	U	V505	RW	AC	AM	V	X	RV	W	TX	VV	XZ	RU	AG	BU
	PER	PER	PER	PER	PER	PER	PSC	SGE	SGR	TAU	TAU	TAU	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMI	VIR	VUL
MAX	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	12.4	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	4	8	5	4	8	7	6	5	4	6	4	4	4	4	3	6	3	3	4	4	3

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