MAS Eclipsing Binary Ephemeris for September 2016 all times in U.T.

	RT AND	TW AND	UU AND	WZ AND	XZ AND	AB AND	AB AND	AD AND	AD AND	BD AND	BX AND	DS AND	QX AND	QX AND	RY AQR	CX AQR	CZ AQR	XZ AQL	KO AQL	KP AQL	OO AQL	OO AQL	V342 AQL
MAX	9.3	8.8	11.2	11.6	10.0	9.3	9.3	11.1	11.1	11.3	8.6	10.8	11.3	11.3	8.8	10.7	10.3	9.3	8.3	9.7	9.2	9.2	9.0
MIN	10.2	11.0	14.1	12.6	13.0	10.2	10.2	11.6	11.6	11.7	9.5	11.4	11.6	11.6	10.1	12.0	11.2	11.2	9.3	10.5	10.1	10.1	12.5
DUR	3	11	8	4	3	3	3	4	4	3	4	4	3	3	5	3	3	7	5	4	3	3	7
TOT		2																					3
							(S)		(S)			(S)		(S)								(S)	
0- 1			1.5	8.5		2.0	6.0	3.0		2.0	2.0	2.5	7.0	2.5	6.0	6.0	5.5				1.5	7.5	1.5
1- 2	4.0			1.0	7.0	1.5	5.5	3.0		11.5	7.5	3.0	3.0	8.0		8.5	2.0				1.5	7.5	
2- 3	10.0	4.5		10.5		1.5	5.5	2.5		9.5		3.0	8.5	4.0	5.5						2.0	8.0	
3- 4	1.5		1.0	3.0		1.5	5.5	2.0		8.0	3.5	3.5	4.5	9.5		1.0					2.5	8.5	
4- 5	7.5					1.5	5.5	2.0		6.0	8.5	3.5	10.0	5.0	4.5	3.5					2.5	8.5	
5- 6				5.0	9.0	1.5	5.5	1.5		4.5		4.0	6.0	1.0		6.0	9.5				3.0	9.0	
6- 7	4.5	7.0				1.0	5.0	1.0		2.5	4.5	4.0	1.5	6.5	4.0	9.0	6.5				3.0		
7- 8	11.0		12.0	7.0		1.0	5.0	1.0		1.0	10.0	4.5	7.5	2.5			3.0			3.5	3.5		
8- 9	2.0				2.0	1.0	5.0	0.5		10.0		4.5	3.0	8.0	3.0	1.0					4.0		
9-10	8.0			9.5	10.5	1.0	5.0			8.5	5.5	5.0	9.0	4.0		3.5		2.5			4.0		
10-11		10.0	11.0	2.0		1.0	5.0		11.5	6.5	11.0	5.0	4.5	9.5	2.0	6.0			6.0		4.5		5.5
11-12	5.5			11.5		0.5	4.5		11.5	5.0	1.5	5.5	10.5	5.5		9.0	10.5	5.5			5.0		
12-13	11.5			4.0	3.5	0.5	4.5		11.0	3.0	7.0	5.5	6.0	1.0	1.5		7.5				5.0		
13-14	3.0		10.5			8.5	4.5		10.5	1.5		6.0	2.0	7.0		1.0	4.0		2.5		5.5		
14-15	9.0			6.0		8.5	4.5		10.5	10.5	3.0	6.0	7.5	2.5	0.5	3.5					6.0		
15-16						8.0	4.5		10.0	9.0	8.0	6.5	3.5	8.5		6.5					6.0		
16-17	6.0		10.0	8.5	5.5	8.0	4.0		10.0	7.0		6.5	9.0	4.0		9.0					6.5		
17-18				1.0		8.0	4.0		9.5	5.0	4.0	7.0	5.0	10.0						6.0	7.0	0.5	
18-19	3.5			10.5		8.0	4.0		9.0	3.5	9.5	7.0	0.5	5.5		1.0	8.5				7.0	1.0	
19-20	9.5		9.0	3.0		8.0	4.0		9.0	1.5		7.5	6.5	1.5		3.5	5.0				7.5	1.5	
20-21	1.0				7.0	7.5	3.5		8.5	11.0	5.5	7.5	2.0	7.0		6.5	1.5				8.0	1.5	
21-22	7.0			5.0		7.5	3.5		8.0	9.0	10.5	8.0	7.5	3.0		9.0					8.0	2.0	
22-23			8.5			7.5	3.5		8.0	7.5	1.0	8.0	3.5	8.5							8.5	2.5	
23-24	4.5			7.0		7.5	3.5		7.5	5.5	6.5	8.5	9.0	4.5		1.0					9.0	2.5	
24-25	10.5				9.0	7.5	3.5		7.0	4.0	12.0	8.5	5.0	10.0		4.0	9.5	1.5				3.0	
25-26	1.5		8.0	9.5		7.0	3.0		7.0	2.0	2.5	9.0	1.0	5.5		6.5	6.0					3.5	
26-27	7.5			2.0		7.0	3.0		6.5	11.5	7.5	9.0	6.5	1.5		9.0	2.5	5.0				3.5	
27-28				11.5	2.0	7.0	3.0		6.0	9.5		9.5	2.0	7.0						8.5		4.0	4.5
28-29	5.0		7.5	4.0	10.5	7.0	3.0		6.0	8.0	3.5	9.5	8.0	3.0		1.0		8.5				4.5	
29-30	11.0					7.0	3.0		5.5	6.0	9.0	10.0	3.5	8.5		4.0						4.5	

	V343 AQL	V346 AQL	RX ARI	SS ARI	SS ARI	RY AUR	SX AUR	TT AUR	WW AUR	WW AUR	AP AUR	AP AUR	AR AUR	AR AUR	CL AUR	EM AUR	EP AUR	HP AUR	HP AUR	IM AUR	SS BOO	SS BOO	TU BOO
MAX	10.6	9.0	9.4	10.1	10.1	11.7	8.2	8.7	5.7	5.7	10.9	10.9	6.0	6.0	11.7	11.0	10.8	10.8	10.8	7.9	10.3	10.3	11.7
MIN	12.3	10.4	9.9	11.1	11.1	14.0	9.0	9.7	6.4	6.4	11.4	11.4	6.7	6.7	13.2	11.9	11.3	11.5	11.5	8.5	11.0	11.0	12.7
DUR	4	4	4	3	3	6	4	5	5	5	4	4	5	5	4	4	3	3	3	4	18	18	3
TOT																					6	6	
					(S)					(S)		(S)		(S)					(S)		(2)	(3)	
0- 1				4.5	9.5						6.0						7.5						2.5
1- 2				10.0	5.0			10.0		10.0	9.5												1.5
2- 3				5.5	10.0		5.0					6.0							6.5				1.0
3- 4				10.5	5.5		10.0					9.5			5.5	11.0	6.5			7.5			
4- 5				6.0	11.0						6.0				11.5		11.0		10.0				
5- 6		2.0		1.5	6.5			10.0			9.0					6.5							
6- 7		4.5		6.5	2.0					11.0				5.0			5.5						
7- 8	6.0	7.0		2.0	7.0	8.5						9.0					10.0		6.0				
8- 9				7.5	2.5		6.0						7.0		5.0					7.0			
9-10	2.5			3.0	8.0		11.0	10.0			9.0				10.5			9.5					4.5
10-11				8.0	3.5				6.0					8.5			9.0				4.0		3.5
11-12				3.5	8.5							8.5											3.0
12-13				9.0	4.0								10.0					5.5					2.5
13-14				4.5	9.0			10.0			8.5				4.5		8.0			7.0			1.5
14-15				9.5	4.5		7.5				12.0			11.5	10.0	9.0			9.0				1.0
15-16		1.0		5.0	10.0				7.5			8.5											
16-17		3.5		10.5	5.5							11.5				5.0	6.5						
17-18		6.0		6.0	10.5			10.0			8.0						11.0		5.0				
18-19	7.5	8.5	2.0	11.0	6.0	6.0					11.5									6.5		1.0	
19-20			2.5	6.5	1.5		3.5					8.0			9.5		5.5	8.5					
20-21	4.0		3.5	2.0	7.0		8.5		8.5			11.5					10.0						
21-22			4.0	7.0	2.5			10.0			8.0								11.5				4.5
22-23			5.0	2.5	7.5						11.0							4.5					3.5
23-24			5.5	8.0	3.0							7.5				12.0	9.0			6.5			3.0
24-25			6.5	3.5	8.5							11.0			9.0				8.0				2.5
25-26			7.0	8.5	4.0		4.5	10.0	9.5		7.5					7.5							1.5
26-27		2.5	7.5	4.0	9.0	10.5	9.5				11.0						8.0	11.0					1.0
27-28		5.0	8.5	9.5	4.5							7.5							4.0				
28-29		7.5	9.0	5.0	9.5							10.5								6.0			
29-30			10.0	10.0	5.0	4.0		10.0			7.0				8.5		7.0	7.5		12.0			

	TU BOO	TY BOO	TY BOO	TZ BOO	TZ BOO	VW BOO	VW BOO	AD BOO	AD BOO	BW BOO	BW BOO	Y CAM	SV CAM	AL CAM	CD CAM	CD CAM	R CMA	RT CMA	SX CMA	TU CMA	TZ CMA	TZ CMA	UU CMA
MAX	11.7	11.8	11.8	10.6	10.6	10.5	10.5	9.8	9.8	7.1	7.1	10.6	8.6	10.5	11.6	11.6	6.2	11.4	10.3	9.7	9.8	9.8	10.0
MIN	12.7	12.3	12.3	11.1	11.1	11.0	11.0	10.4	10.2	7.5	7.5	12.4	9.4	11.3	11.8	11.8	6.8	12.9	11.4	10.7	10.5	10.5	12.5
DUR	3	3	3	3	3	3	3	4	4	5	5	6	3	5	5	5	4	5	4	4	4	4	5
TOT																							
	(S)		(S)		(S)		(S)		(S)		(S)					(S)						(S)	
0- 1		2.5		2.5	6.0							6.0	1.5	3.0	8.5								
1- 2		1.0	5.0		3.5	0.5				2.0			6.0	11.0	2.5	12.0		9.5					
2- 3			4.0	4.5	1.0	1.0							10.5			6.0							
3- 4	4.5		2.5	1.5	5.5	2.0									9.5								
4- 5	3.5	5.5	1.5	6.5	2.5	2.5							5.0	3.0	4.0								
5- 6	3.0	4.0		3.5		3.0							9.5	11.0		7.5	10.0			10.0			
6- 7	2.5	3.0		1.0	4.5										11.0	2.0							
7- 8	1.5	2.0	5.5	5.5	2.0								4.0		5.5								
8- 9	1.0	0.5	4.5	3.0	6.5		1.0						8.5	2.5		9.0					9.0		
9-10			3.5		4.0		1.5				2.5			10.5		3.0							
10-11		6.0	2.0	5.0	1.5		2.5					4.0	3.5		6.5			10.5					
11-12		5.0	1.0	2.5	6.0		3.0		1.0	2.0			8.0		1.0	10.0			10.5				
12-13		3.5			3.5		3.5	2.0						2.0		4.5							9.5
13-14		2.5		4.0	0.5				3.0			11.5	2.5	10.0	8.0								
14-15		1.5	5.0	1.5	5.0	1.0		3.5					7.0		2.5	11.5				10.5			
15-16	4.5		4.0	6.0	2.5	1.5			4.5				11.5			6.0							
16-17	3.5		3.0	3.5		2.0							1.5	2.0	9.5								
17-18	3.0	5.5	1.5	1.0	4.5	2.5							6.0	9.5	4.0								
18-19	2.5	4.0		5.5	2.0	3.5							10.5			7.5							
19-20	1.5	3.0		3.0	6.5						2.5		1.0		11.0	1.5		12.0					
20-21	1.0	2.0	5.5		4.0		0.5					2.0	5.5	1.5	5.0								
21-22		0.5	4.5	5.0	1.0		1.0			2.0			9.5	9.5		8.5							
22-23			3.5	2.0	5.5		2.0									3.0	11.0						
23-24			2.0		3.0		2.5					9.5	4.5		6.5			9.0		11.0			
24-25		5.0	1.0	4.0	0.5		3.0						9.0	1.0	1.0	10.0			10.5				
25-26		3.5		1.5	5.0									9.0		4.5							9.5
26-27		2.5		6.0	2.5								3.5		8.0								
27-28	4.5	1.5	5.0	3.5		1.0							8.0		2.0	11.5					12.0		
28-29	3.5		4.0	1.0	4.5	1.5								0.5		5.5							
29-30	3.0		3.0	5.5	2.0	2.5					2.5		3.0	8.5	9.0							11.0	

	XZ CMI	YY CMI	AC CMI	AK CMI	AM CMI	RW CAP	TY CAP	RZ CAS	TV CAS	TW CAS	ZZ CAS	AB CAS	CW CAS	CW CAS	DZ CAS	IR CAS	IS CAS	IT CAS	IV CAS	MM CAS	OR CAS	OX CAS	OX CAS
MAX	9.7	8.5	11.0	10.1	10.0	9.8	10.5	6.4	7.3	8.3	10.7	10.2	11.8	11.8	11.6	10.8	11.6	11.0	11.2	11.3	11.4	10.1	10.1
MIN	10.2	9.1	11.5	11.5	10.7	10.8	11.6	7.8	8.4	8.9	11.1	12.2	12.5	12.5	12.3	12.1	12.6	11.8	12.5	11.9	12.4	10.9	10.9
DUR	3	4	3	4	5	5	4	4	4	5	4	4	3	3	4	4	5	5	5	5	4	5	5
TOT														(S)									(S)
0- 1	10.5							11.5		8.0	7.5	4.0	4.5	0.5		0.5	8.0	4.5	4.5	3.5	9.5		
1- 2		9.5	9.0	9.5									3.5	7.0	9.5	9.0			4.5	7.0			
2- 3		12.0				4.0			11.5				2.5	6.0	4.5	1.5	4.0		4.5	11.0		2.5	
3- 4										4.5			1.5	5.0		10.0			4.5				8.5
4- 5	12.0							2.0	7.0		1.0	6.0	8.0	4.0		2.5		2.0	4.5		3.5		
5- 6				8.5				6.5			7.0		7.0	3.0	7.5	11.0			4.0		9.0		
6- 7				12.0			6.0	11.0	2.5	1.0			6.0	2.0	2.5	3.5			4.0				
7- 8	9.0		10.5							11.5			5.0	1.0					4.0	2.0		2.0	
8- 9												8.5	3.5	7.5	11.0	4.5			4.0	6.0			8.0
9-10							2.5						2.5	6.5	6.0				4.0	9.5	3.0		
10-11				11.0				1.0		8.0	6.5		1.5	5.5	0.5	5.5			4.0		9.0		
11-12	10.5							6.0				2.0	0.5	4.5			9.0		4.0				
12-13								10.5				11.0	7.0	3.5	9.0	6.5			4.0			1.5	
13-14		10.5							8.5	4.5			6.0	2.5	4.0		5.0		4.0				7.5
14-15			9.0	10.0									5.0	1.5		7.5			4.0	1.0	2.5		
15-16	11.5				8.5				4.0		5.5	4.5	4.0	8.0			1.5		4.0	5.0	8.5		
16-17					9.0		5.0	0.5		1.0	11.5		3.0	7.0	7.5	8.5			4.0	8.5			
17-18					9.5			5.5		11.5			2.0	6.0	2.5	1.0			4.0			1.0	
18-19	9.0			9.0	10.0			10.0					1.0	5.0		9.5			4.0				7.0
19-20					10.5	3.0	1.5					7.0	7.5	3.5	11.0	2.0			3.5		2.0		
20-21			11.0		11.0					8.0	5.0		6.5	2.5	5.5	10.5			3.5		8.0		
21-22			7.5		11.5						11.0		5.5	1.5		3.0			3.5				
22-23	10.5				12.0				10.0			0.5	4.5	0.5		11.5	10.0		3.5	3.5			
23-24				11.0			8.0	4.5		4.5		9.5	3.5	7.0	9.0	4.0			3.5	7.5			6.5
24-25		9.0						9.5	5.5				2.5	6.0	4.0		6.5		3.5	11.0	1.5		
25-26		11.0									4.5		1.5	5.0		5.0			3.5		7.5		
26-27	11.5						4.5		1.0	1.0	10.5	3.0	8.0	4.0			2.5		3.5				
27-28			9.5	10.5						11.5		12.0	7.0	3.0	7.0	6.0		11.5	3.5				
28-29													6.0	2.0	2.0				3.5				6.0
29-30	9.0					7.0	0.5	4.0					5.0	1.0		7.0			3.5	2.5	1.5	11.5	

	PV	V364	V364	V375	V380	U	SU	WW	WZ	WZ	XX	ZZ	DK	DL	DV	EG	EK	GK	TT	TW	TW	TX	RW
	CAS	CAS	CAS	CAS	CAS	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CEP	CET	CET	CET	CET	COM
MAX	10.0	11.2	11.2	10.1	10.4	6.7	8.8	11.1	11.7	11.7	8.5	9.3	12.2	12.4	11.6	9.6	8.2	6.9	10.8	10.4	10.4	10.9	11.0
MIN	10.6	11.7	11.7	10.9	11.1	9.8	9.8	11.9	11.3	11.1	9.6	10.0	14.2	13.2	12.4	10.6	9.5	7.4	11.3	11.2	11.2	11.5	11.6
DUR	3	4	4	5	5	4	4	4	3	3	4	5	4	5	4	3	6	4	3	3	3	4	3
TOT						2																1	
			(S)							(S)											(S)		
0- 1			8.0			7.0	10.5		2.0	7.0			10.0	4.0					6.5	10.5	6.5	6.0	1.0
1- 2		2.5			3.5		8.0		8.5	3.5			9.5		3.0	2.0			6.0	9.0	5.5		
2- 3				4.0	12.0		5.5		4.5	9.5			9.0		7.0	4.0	9.0		5.0	8.0	4.0	11.0	
3- 4	7.0		10.0				3.5	5.0	10.5	5.5			9.0	10.5	10.5	6.0			4.5	7.0	10.5	5.0	
4- 5		4.5					1.0		6.5	1.5	4.0		8.5			8.5			4.0	5.5	9.5		2.0
5- 6	1.0			2.5	5.0	7.0			2.5	7.5			8.0	1.5		10.5		11.0	3.0	4.5	8.5	10.5	0.5
6- 7									8.5	3.5			8.0					9.5		11.0	7.0	4.0	
7- 8		6.5							4.5	9.5			7.5			1.5		8.0		9.5	6.0		
8- 9			1.0	1.0					0.5	5.5			7.0	7.5	2.5	4.0		6.5		8.5	4.5	9.5	2.5
9-10					7.0		10.5		6.5	1.5		3.0	7.0		6.0	6.0		5.0		7.5	11.0	3.0	1.5
10-11	7.0	8.5				6.5	8.5		2.5	7.5			6.5		10.0	8.0		3.5	11.5	6.0	10.0		
11-12			3.0				6.0		8.5	3.5	4.5	6.5	6.0			10.5	5.5	2.0	11.0	5.0	9.0	8.5	
12-13	1.0			11.5			3.5	10.0	4.5	10.0			6.0						10.0	4.0	7.5		
13-14		10.5			8.5		1.5		1.0	6.0		10.0	5.5	5.0		1.5			9.5	10.0	6.5		2.5
14-15			5.0						7.0	2.0			5.0			3.5			9.0	9.0	5.0	7.5	1.0
15-16				10.0		6.0			3.0	8.0			5.0		1.5	6.0			8.0	8.0	4.0		
16-17					1.5				9.0	4.0			4.5	11.5	5.5	8.0			7.5	6.5	10.5		
17-18	7.0		7.5		10.5				5.0	10.0			4.0		9.5	10.0			7.0	5.5	9.0	7.0	
18-19		2.0		9.0			11.0		1.0	6.0	4.5		4.0	2.5					6.0	4.5	8.0		2.0
19-20	1.0						8.5		7.0	2.0			3.5			1.5			5.5	10.5	7.0		0.5
20-21			9.5		3.5	6.0	6.5		3.0	8.0			3.0			3.5	2.0	10.5	5.0	9.5	5.5	6.0	
21-22		4.0		7.5			4.0		9.0	4.0			2.5	9.0		5.5		9.0	4.0	8.5	4.5		
22-23							1.5		5.0	10.0			2.5		1.0	7.5		7.5	3.5	7.0	11.0	11.5	3.0
23-24			11.5						1.0	6.0			2.0		5.0	10.0		6.0		6.0	9.5	5.0	1.5
24-25	7.0	6.0		6.0	5.0				7.5	2.5		3.0	1.5		8.5	12.0		4.5		5.0	8.5		11.5
25-26						5.5			3.5	8.5	5.0		1.5			1.0		3.0		11.0	7.5	10.5	
26-27	1.0							5.0	9.5	4.5		6.5	1.0	6.0		3.0		1.5		10.0	6.0	4.0	
27-28		8.0		5.0			11.5		5.5	10.5			0.5			5.5			11.5	9.0	5.0		2.5
28-29			2.5		7.0		9.0		1.5	6.5		9.5				7.5			11.0	7.5	4.0	9.5	1.0
29-30							6.5		7.5	2.5						9.5			10.5	6.5	10.0	3.5	

	RW COM	RZ COM	RZ COM	SS COM	SS COM	CC COM	CC COM	U CRB	RW CRB	TW CRB	SW CYG	WW CYG	ZZ CYG	AE CYG	BR CYG	CG CYG	DK CYG	KR CYG	KV CYG	V346 CYG	V387 CYG	V388 CYG	V401 CYG
MAX	11.0	10.0	10.0	10.9	10.9	11.0	11.0	7.6	10.1	10.5	9.3	9.9	10.7	11.8	9.4	11.0	10.3	9.2	11.5	11.8	11.5	9.7	10.8
MIN	11.6	10.7	10.7	11.5	11.5	11.9	11.9	8.8	10.6	11.3	11.8	13.2	12.0	12.8	10.5	11.8	10.8	10.0	12.6	13.6	12.3	10.3	11.6
DUR	3	3	3	4	4	2	2	5	4	4	5	5	4	4	4	3	4	4	5	5	3	3	4
TOT											2												
	(S)		(S)		(S)		(S)																
0- 1				1.0				0.5		6.0			11.0		8.0	11.5	4.0	8.0			10.0		
1- 2	2.5				1.5	2.0			1.0			5.5	2.0			3.0	2.5	4.5			1.5		3.0
2- 3	1.5			2.5			2.0						8.5			9.0	1.0	0.5			8.5	10.5	7.0
3- 4						2.0			5.0	4.5	3.0						11.0			10.5		7.5	
4- 5		0.5					1.5						5.5		8.0	6.5	9.5		10.5		6.5	4.0	0.5
5- 6		1.0				1.5							11.5				8.5	10.0				0.5	4.5
6- 7	2.0	1.5			0.5		1.5		3.0	3.0			3.0			4.0	7.0	6.0		4.5	4.5		8.5
7- 8	1.0	2.0		1.5		1.0							9.0			10.5	5.5	2.5	7.0		11.5		
8- 9		2.0			2.0		1.0								8.0	1.5	4.0				2.5	11.0	2.5
9-10		2.5				1.0			0.5	2.0			6.0			7.5	2.5				9.5	7.5	6.5
10-11							0.5			6.0							1.5		3.0		1.0	4.0	
11-12	2.0								5.0			4.5	3.5			5.0	11.0	8.0			7.5	1.0	0.5
12-13	0.5										6.5		9.5		8.0	11.5	9.5	4.0					4.5
13-14					1.0					4.5			1.0			2.5	8.5				5.5		8.5
14-15				2.0					2.5				7.0	12.0		9.0	7.0			10.0			
15-16	2.5		0.5		2.5									11.0			5.5				4.0	8.0	2.5
16-17	1.5		1.0							3.5			4.0	10.5	8.0	6.5	4.0	9.5			10.5	4.5	6.5
17-18			1.5				2.0						10.5	9.5			2.5	6.0		4.0	2.0	1.0	
18-19			2.0			2.0							1.5	9.0		4.0	1.5	2.0			8.5		
19-20			2.0	0.5			2.0		4.5	2.0			7.5	8.0		10.0	11.0						4.5
20-21	2.5		2.5		1.5	1.5				6.5				7.5	8.0	1.0	10.0				7.0		8.5
21-22	1.0			2.5			1.5				10.0	3.5	5.0	6.5		7.5	8.5					8.0	
22-23						1.5			2.5	0.5			11.0	6.0			7.0	7.5			5.0	5.0	2.5
23-24							1.0			5.0			2.0	5.0		5.0	5.5	4.0			11.5	1.5	6.5
24-25						1.0		4.5				11.0	8.5	4.5	8.0	11.5	4.0		7.5		3.0		
25-26	2.0						1.0							3.5		2.5	3.0			9.5	10.0		
26-27	0.5	0.5		1.0		0.5				3.5			5.5	3.0		8.5	1.5				1.0		4.0
27-28		1.0			2.0				4.5				12.0	2.0			11.0	9.0	4.0		8.0	8.5	8.0
28-29		1.5											3.0	1.5	8.0	6.0	10.0	5.5		3.5		5.0	
29-30	3.0	2.0								2.5			9.0	0.5			8.5	2.0			6.0	2.0	2.0

	V456 CYG	V466 CYG	V466 CYG	V477 CYG	V548 CYG	V704 CYG	1034 CYG	W DEL	TT DEL	TY DEL	YY DEL	FZ DEL	Z DRA	RZ DRA	TW DRA	UZ DRA	UZ DRA	AI DRA	BH DRA	S EQU	TZ ERI	YY ERI	YY ERI
MAX	10.8	10.8	10.8	8.3	8.9	13.8	9.6	9.4	10.6	9.6	11.0	10.2	10.8	10.0	7.8	9.9	9.9	7.2	8.0	8.0	9.8	8.4	8.4
MIN	11.9	11.6	11.6	9.2	9.7	14.6	10.6	12.7	12.5	10.8	12.0	11.3	13.6	10.9	9.5	10.7	10.7	8.2	8.6	10.0	12.6	9.1	9.1
DUR	3	4	4	4	5	4	4	7	5	4	4	3	4	3	5	5	5	4	5	5	4	3	3
TOT								2							1						1		
			(S)														(S)						(S)
0- 1		5.0		7.0	10.0	5.5			4.0		0.5			5.0									8.5
1- 2						9.0								7.5			8.0					11.5	8.0
2- 3	11.0		7.0		5.5						9.5	6.5	5.5	10.0								11.0	7.0
3- 4	8.5					2.0			1.0		4.5	1.0										10.0	6.0
4- 5	6.0	9.0			1.0	5.5				2.0				1.5				4.5		2.5		9.0	
5- 6	3.0		1.5			9.0				6.5		9.5		4.0				9.0	10.0			8.0	
6- 7	0.5										9.0	4.5	7.0	6.5		5.5						7.5	11.0
7- 8		4.0		8.0		2.0					4.0			9.0					6.0			6.5	10.5
8- 9						5.0								11.5								5.5	9.5
9-10			6.0		11.0	8.5						7.5		0.5		11.5			1.5		8.0		8.5
10-11	11.5									1.0	8.0	2.5	9.0	3.0	8.0			4.0				11.5	8.0
11-12	9.0	8.0			6.0	1.5				5.5	3.0			5.5			2.5	9.0				11.0	7.0
12-13	6.5		0.5	0.5		5.0				10.0				8.0								10.0	6.0
13-14	3.5		10.0		1.5	8.5						5.5	2.0	10.5	3.0							9.0	
14-15	1.0	2.5		9.0		12.0					7.0		10.5				9.0			10.0		8.5	
15-16						1.5					2.0			2.0								7.5	11.5
16-17			5.0			5.0						8.5		4.5				4.0	8.0			6.5	10.5
17-18						8.5			9.5	4.5		3.5	3.5	7.0				9.0				5.5	9.5
18-19		7.0			11.5	12.0		6.0		9.0	6.5			9.5					3.5				8.5
19-20	9.5			1.5		1.5					1.5			12.0		6.5						11.5	8.0
20-21	7.0		9.0		7.0	5.0			6.5			6.5		1.0								11.0	7.0
21-22	4.0	1.5		10.0		8.5						1.5	5.5	3.5						7.0		10.0	6.0
22-23	1.5				2.0	11.5					5.5			6.0				4.0			9.0	9.0	
23-24			4.0			1.5	10.5	1.5	3.5	3.0	0.5	10.0		8.5				8.5				8.5	
24-25						5.0	10.0			8.0		4.5		11.0	8.5		4.0					7.5	11.5
25-26		6.0				8.0	9.5				9.5		7.0						10.0			6.5	10.5
26-27				2.5		11.5	9.0				4.5			2.5								6.0	9.5
27-28	10.0		8.0			1.0	8.0					8.0		5.0	4.0		10.0		5.5				9.0
28-29	7.5	0.5				4.5	7.5					2.5		7.5				3.5		4.0		12.0	8.0
29-30	4.5	10.0			7.5	8.0	7.0			2.0	9.0		9.0	10.0		1.0		8.5	1.0			11.0	7.0

	RW GEM	SX GEM	TX GEM	WW GEM	AF GEM	AL GEM	RX HER	SZ HER	TT HER	TU HER	UX HER	CC HER	CT HER	DI HER	DI HER	HS HER	HS HER	LT HER	V728 HER	WY HYA	WY HYA	AV HYA	DF HYA
MAX	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	8.4	8.4	8.5	8.5	10.7	10.9	10.3	10.3	10.2	11.0
MIN	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	9.1	9.1	9.0	9.0	11.1	11.5	11.1	11.1	10.6	11.5
DUR	5	5	6	4	4	4	5	4	4	5	5	4	4	6	6	4	4	4	3	3	3	4	4
TOT	1									1													
															(S)		(S)				(S)		
0- 1									6.0							6.0			2.5				
1- 2				9.0		7.5			4.0	6.0							2.5		1.0				
2- 3							4.0	6.0	2.0			4.0								9.0			
3- 4		10.0						2.0					4.5								11.0		
4- 5					6.5									2.0			9.0		8.0				
5- 6						12.0					2.0					4.0			6.5				
6- 7				8.0				8.5										1.0	5.5				
7- 8								4.0										3.0	4.0	9.5			
8- 9						6.5				1.5	4.5							5.5	2.5		11.0		
9-10							6.5					2.5					7.0		1.0				
10-11		6.0	11.0		12.0					8.0						2.0							
11-12				6.5			1.5	6.0	5.0		7.0												
12-13						11.0		2.0	2.5				2.5		5.0				8.5	9.5		10.5	
13-14	10.5								0.5							8.5			7.0		11.5		12.0
14-15		8.5															4.5		5.5			12.0	12.0
15-16					11.5			8.5											4.5				11.5
16-17	7.0							4.0				1.0							3.0				11.5
17-18				11.0						3.0									1.5	10.0			11.0
18-19		11.0					4.0									6.5					11.5		11.0
19-20						10.0					0.5						2.5	1.5					11.0
20-21					10.5			6.0										3.5	8.5				10.5
21-22								2.0	5.5				1.0					5.5	7.5				10.5
22-23				10.0					3.5		3.0								6.0	10.0			10.0
23-24									1.5							4.0			4.5		12.0		10.0
24-25			11.0					8.5											3.0				10.0
25-26		7.0			10.0		7.0	4.0			5.5			4.5					2.0			10.5	9.5
26-27						9.0				4.5													9.5
27-28				9.0			1.5										7.0			10.5		11.5	
28-29												4.0	4.5			2.0			9.0				
29-30		9.5						6.0											7.5				

	DF HYA	DI HYA	DK HYA	SW LAC	SW LAC	VX LAC	AR LAC	AW LAC	CM LAC	CO LAC	CO LAC	DG LAC	GX LAC	Y LEO	UU LEO	VZ LEO	WZ LEO	XY LEO	XZ LEO	AM LEO	T LMI	Z LEP	RR LEP
MAX	11.0	11.0	10.5	9.2	9.2	10.9	7.3	10.6	8.5	10.5	10.5	10.8	10.1	9.5	11.4	10.6	11.3	9.5	10.6	9.2	10.2	11.0	10.2
MIN	11.5	12.0	11.0	10.0	10.0	12.3	8.2	11.3	9.5	11.0	11.0	12.0	10.4	12.7	12.7	11.7	12.0	9.9	11.2	9.8	12.6	12.5	10.9
DUR	4	4	4	3	3	4	6	5	4	5	5	4	6	5	4	4	5	2	3	3	6	4	4
TOT							2																
	(S)				(S)						(S)												
0- 1	10.5			3.5	7.0				2.5		1.0												
1- 2	10.5			2.5	6.5		5.5					3.0											11.5
2- 3	10.0			1.5	5.5	2.0				9.0													9.5
3- 4	10.0	11.5	12.0	0.5	4.5	3.5	5.0	4.0	7.5		3.0	8.0				9.5		12.0					7.5
4- 5	10.0			7.5	3.5	5.5		7.0								11.5							
5- 6	9.5			6.5	2.5	7.0	4.5	10.5		11.5					10.5			11.5					
6- 7	9.5			5.5	1.5	9.0					5.0												
7- 8				4.5	1.0	11.0	4.0											11.5		11.5	8.5		
8- 9				4.0	7.5				3.0														
9-10				3.0	6.5		3.5				7.0							11.0					
10-11				2.0	6.0					2.5					11.5						9.0	12.0	
11-12		11.5		1.0	5.0		3.5	4.0	8.0									10.5				11.5	
12-13				8.0	4.0			7.0			9.5	4.0										11.5	11.5
13-14				7.0	3.0		3.0	10.5		4.5			6.0					10.5			9.5	11.5	9.0
14-15				6.0	2.0							8.5										11.5	7.0
15-16				5.0	1.5		2.5				11.5							10.0				11.0	
16-17				4.0	8.0	1.0			3.5	6.5						11.5			11.5		10.0	11.0	
17-18				3.5	7.0	3.0	2.0											10.0	11.0			11.0	
18-19				2.5	6.0	4.5													10.5			10.5	
19-20		11.5		1.5	5.5	6.5	1.5	4.0	8.5	8.5									10.0		10.5	10.5	
20-21				0.5	4.5	8.0		7.0			2.5											10.5	
21-22				7.5	3.5	10.0	1.5	10.5						9.0								10.0	
22-23				6.5	2.5	12.0				10.5										11.5	11.0	10.0	
23-24				5.5	1.5		1.0				4.5	4.5					9.5					10.0	11.0
24-25				4.5	1.0				4.0													10.0	9.0
25-26				3.5	7.5							9.5									11.5	9.5	7.0
26-27				3.0	6.5						6.5			10.5						12.0		9.5	
27-28		11.0		2.0	6.0			4.0	9.0	1.5												9.5	
28-29				1.0	5.0			7.0								11.0		12.0			12.0	9.0	
29-30				8.0	4.0			10.5			8.5											9.0	

	SS LIB	DELT LIB	RY LYN	UZ LYR	EW LYR	FL LYR	RU MON	RU MON	RW MON	BB MON	BO MON	EP MON	U OPH	SX OPH	V501 OPH	V508 OPH	V839 OPH	1010 OPH	EF ORI	EF ORI	EQ ORI	ER ORI	ER ORI
MAX	10.4	4.8	11.9	9.8	11.2	8.7	10.6	10.6	9.1	10.6	10.8	10.5	5.8	10.5	10.9	10.1	8.8	6.2	12.6	12.6	10.3	9.5	9.5
MIN	11.3	5.9	13.3	11.0	13.6	9.5	11.3	11.3	11.9	11.3	12.1	11.1	6.5	11.2	11.8	10.7	9.4	7.0	14.1	12.8	13.3	10.2	10.2
DUR	6	7	4	5	5	4	5	5	5	4	5	5	5	5	4	3	3	4	6	6	4	3	3
TOT									1														
								(S)												(S)			(S)
0- 1					6.5					11.0					3.0	2.5	4.0						10.0
1- 2															2.5	3.5						11.5	6.5
2- 3		3.0	7.0		5.0										1.5	4.0	5.0		8.5		7.0	8.0	
3- 4										9.0		9.0	1.0		1.0	5.0	0.5						9.5
4- 5					4.0											6.0	6.0					10.5	
5- 6						3.0	8.5									6.5	1.5					7.0	
6- 7					3.0												7.0			9.5			8.5
7- 8	2.5			10.5		7.0			11.0		10.0						2.5					10.0	
8- 9			0.5		1.5								2.0			1.0							11.0
9-10		2.5	11.0	8.0		11.5			9.0							1.5	4.0				6.5		7.5
10-11																2.5			10.5			9.0	
11-12				5.0						10.5		10.0				3.5	5.0						10.5
12-13			8.0													4.0	0.5					11.5	6.5
13-14				2.5									2.5			5.0	6.0					8.0	
14-15										9.0						6.0	1.5	4.5		12.0			9.5
15-16																6.5	7.0		7.5			11.0	
16-17		2.0															2.5	4.0			6.5	7.0	
17-18								8.5						1.5									8.5
18-19						4.5							3.5			1.0	4.0	3.5				10.0	
19-20												11.0		3.0		1.5				8.5			11.5
20-21	1.0					9.0										2.5	5.0	3.5					7.5
21-22														4.5		3.5					12.0	9.0	
22-23			9.0							10.5						4.0	6.0	3.0					10.5
23-24		2.0											4.0			5.0	1.5		9.5			12.0	7.0
24-25																6.0	7.0	2.5				8.5	
25-26										9.0					7.0	6.5	2.5						9.5
26-27				8.5								8.0			6.5	7.5		2.0				11.0	
27-28											11.0	12.0			5.5		3.5			11.0		7.5	
28-29				5.5					10.5				5.0		5.0	1.0		2.0	6.5		11.5		9.0
29-30						2.0									4.0	1.5	5.0					10.0	

	ET ORI	FH ORI	FL ORI	FR ORI	FT ORI	FZ ORI	FZ ORI	GU ORI	GU ORI	U PEG	U PEG	TY PEG	UX PEG	AQ PEG	AQ PEG	AQ PEG	BB PEG	BB PEG	BG PEG	BX PEG	DI PEG	GP PEG	Z PER
MAX	11.2	10.5	10.5	11.0	9.1	10.7	10.7	12.6	12.6	9.7	9.7	10.5	10.7	10.3	10.3	10.3	10.6	10.6	10.5	10.9	9.6	10.2	9.9
MIN	12.4	11.5	13.2	11.9	9.7	11.3	11.3	13.5	13.5	10.5	10.5	12.6	12.0	13.0	13.0	13.0	11.2	11.2	11.8	11.5	10.8	11.0	12.4
DUR	5	5	3	4	4	3	3	4	4	3	3	6	5	12	12	12	3	3	4	3	2	4	6
TOT														5	5	5			1				2
							(S)		(S)		(S)			(2)		(3)		(S)					
0- 1						6.5	11.0		10.5	4.5	9.0						3.0	7.0		6.0	3.5	1.5	
1- 2		8.5				11.0	6.5		9.5	7.5	3.0						5.0	0.5		2.0		1.0	1.5
2- 3						6.5	11.0		8.0	1.5	6.0	8.0					7.0	2.5		5.0	6.5		
3- 4			8.5			11.0	6.5		6.5	4.5	9.0		2.0	4.0	6.0	8.5	9.0	4.5		1.0			
4- 5						6.5	11.0	10.5		7.5	3.0						2.0	6.5		4.0	10.0		2.5
5- 6						11.0	6.5	9.5		1.5	6.0	10.5					4.5	8.5		7.0	3.0		
6- 7			11.0	9.5		6.5	11.0	8.0		4.5	9.0		4.5				6.5	2.0		3.0			
7- 8				6.5		11.0	6.5	6.5		7.5	3.0						8.5	4.0		6.0	6.5		4.0
8- 9						6.5	11.0		10.5	1.5	6.0						1.5	6.0		2.0			
9-10	11.5					11.0	6.5		9.5	4.5	9.0		6.5				3.5	8.0		5.0	9.5		
10-11	10.5					6.5	11.0		8.0	7.5	3.0						5.5	1.5	11.5	1.5	2.5		5.5
11-12	9.5					11.0	6.5		6.5	1.5	6.0						8.0	3.5		4.0			
12-13	8.0					6.5	11.0	11.0		4.5	9.0		8.5				1.0	5.5	10.0	7.0	6.0		
13-14	7.0			11.0	7.0	11.0	6.5	9.5		7.5	3.0						3.0	7.5		3.5			7.0
14-15	6.0	6.0		8.0		6.5	11.0	8.0		1.5	6.0			6.0	8.5	11.0	5.0	1.0	9.0	6.5	9.0		
15-16						11.0	6.5	6.5		4.5	9.0		11.0				7.0	3.0		2.5	2.0		
16-17		10.0			11.0	6.5	11.0		11.0	7.5	3.0						0.5	5.0	8.0	5.5			8.0
17-18			7.5			11.0	6.5		9.5	1.5	6.0						2.5	7.0		1.5	5.5		
18-19						6.5	11.0		8.0	4.5	9.0						4.5	9.0	6.5	4.5			
19-20						11.0	6.5		6.5	7.0	2.5						6.5	2.5		0.5	8.5		9.5
20-21			10.0			6.5	11.0	11.0		1.0	5.5		2.0				8.5	4.5	5.5	3.5	2.0		
21-22				9.5		11.0	6.5	9.5		4.0	8.5						2.0	6.5		6.5	12.0		
22-23				7.0		6.5	11.0	8.0		7.0	2.5						4.0	8.5	4.5	2.5	5.0	12.0	11.0
23-24						11.0	6.5	6.5		1.0	5.5		4.0				6.0	1.5		5.5		11.5	
24-25						6.5	11.0		11.0	4.0	8.5						8.0	4.0	3.5	2.0	8.5	10.5	
25-26						11.0	6.5		9.5	7.0	2.5			8.5	11.0		1.5	6.0		4.5	1.5	10.0	
26-27						6.5	11.0		8.0	1.0	5.5		6.5				3.5	8.0	2.0	1.0	11.5	9.5	
27-28						11.0	6.5		6.5	4.0	8.5	1.5					5.5	1.0		4.0	4.5	9.0	
28-29				11.0		6.5	11.0	11.0		7.0	2.5						7.5	3.0	1.0	7.0		8.5	
29-30	11.0	7.5		8.5		11.0	6.5	9.5		1.0	5.5		8.5				1.0	5.0		3.0	8.0	8.0	

	RT PER	ST PER	XZ PER	IQ PER	IQ PER	IT PER	IU PER	KW PER	V432 PER	BETA PER	AE PHE	AE PHE	Y PSC	RV PSC	UZ PUP	UZ PUP	AV PUP	U SGE	V505 SGR	1968 SGR	RS SER	AO SER	CC SER
MAX	10.6	9.7	10.6	7.7	7.7	9.9	10.5	10.5	11.0	2.2	7.5	7.5	9.0	11.3	9.7	9.7	10.2	6.4	6.4	12.3	10.8	10.6	11.1
MIN	12.0	13.2	12.7	8.3	7.9	10.5	11.6	11.5	11.7	3.5	8.2	8.2	12.0	12.0	10.6	10.3	10.8	9.1	7.6	13.3	11.5	12.1	11.7
DUR	4	5	4	5	5	4	5	4	3	8	2	2	7	3	4	4	3	6	5	4	4	4	4
TOT		1																2					
					(S)							(S)				(S)							
0- 1		8.5			10.5	2.5	10.5		1.0	5.5	8.0		11.0	1.0		11.0			6.5		4.5		5.0
1- 2				9.5			7.0		4.5		10.0			3.5			10.0	2.5		0.5			
2- 3					4.5		3.5		8.0			7.5		6.5	10.5					4.0			
3- 4	9.5		3.5	3.0		4.0			2.5	2.5		10.0		9.0							4.0		
4- 5	5.5		7.0					11.0	6.0		7.5		5.5	11.5		10.0						4.0	
5- 6	2.0		10.5					9.0	9.5		9.5			0.5								1.0	
6- 7						5.5	10.5	7.5	4.0			7.5		3.5	10.0		10.0		4.5	2.5	4.0		
7- 8					10.0		7.0	6.0	7.5			9.5		6.0						5.5			
8- 9	11.5	7.0		8.5			3.5	4.0	2.0		7.0			8.5		9.5							
9-10	8.0				3.5	7.0		2.5	5.5		9.5			11.0							3.5		
10-11	4.5		1.5	2.5				1.0	9.5			7.0			9.5					1.0			
11-12	0.5		5.0						3.5			9.0		3.0			10.5	6.0		4.0		4.5	1.0
12-13			8.5			9.0	10.5		7.5		7.0			5.5					2.5		3.5	1.5	1.5
13-14							7.0		1.5		9.0			8.0					7.0				2.5
14-15	10.5				9.0		3.5		5.5			6.5		11.0									3.0
15-16	6.5			8.0		10.5			9.0			9.0								2.5	3.0		4.0
16-17	3.0	6.0			3.0				3.5		6.5			2.5			10.5			5.5			4.5
17-18				2.0				11.5	7.0	10.5	8.5			5.0									
18-19			3.0				10.5	10.0	1.5		11.0	6.5		8.0							3.0	5.5	
19-20			6.5				7.0	8.5	5.0			8.5	7.0	10.5					4.5	1.5		2.5	
20-21	9.0		10.0			1.0	3.5	6.5	8.5	7.0	6.0	10.5								4.5			
21-22	5.5				8.5			5.0	3.0		8.5			2.5			10.5				2.5		
22-23	2.0			7.5				3.5	6.5		10.5	6.0		5.0									
23-24					2.5	2.5		2.0	1.0	4.0		8.0	1.5	7.5									
24-25		4.5		1.5			10.5		4.5		6.0	10.5		10.0						3.0	2.5		
25-26	11.5						7.0		8.0		8.0				11.5				2.5				
26-27	7.5		4.0			4.0	3.5		2.5		10.0	5.5		2.0			11.0		7.0			3.5	
27-28	4.0		8.0						6.0			8.0		4.5		11.5					2.5		1.0
28-29			11.5		8.0				9.5			10.0		7.0				4.0		1.5			1.5
29-30		11.5		7.0		5.5			4.0		7.5			9.5	11.0					4.5			2.5

	CC	Y	RW	RZ	TY	WY	AC	AM	AQ	CT	EQ	EQ	HU	V	X	RS	RV	W	W	TX	TY	TY	UX
	SER	SEX	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TAU	TRI	TRI	TRI	TRI	UMA	UMA	UMA	UMA	UMA	UMA
MAX	11.1	9.8	8.0	10.5	11.5	11.5	10.5	10.4	12.0	10.2	10.3	10.3	6.0	10.9	8.9	10.3	11.4	9.1	9.1	6.8	11.7	11.7	12.7
MIN	11.7	10.2	12.5	11.2	12.0	11.7	12.3	12.3	12.9	11.5	11.0	11.0	6.8	11.9	12.0	11.0	12.5	9.9	9.9	8.9	12.4	12.4	13.8
DUR	4	3	4	3	2	4	6	5	5	5	3	3	6	4	4	4	4	3	3	6	3	3	1
TOT			1																				
	(S)											(S)							(S)			(S)	
0- 1				6.5		10.5					3.5	7.5		3.5		9.0	11.0	7.0	3.0		6.5	2.5	5.5
1- 2										11.0	4.0	8.0		7.5			5.0	7.0	3.0		8.5	4.0	10.0
2- 3				8.5							4.5	9.0		11.5		7.0		7.0	3.0		1.5	5.5	4.5
3- 4	1.0	12.0		4.5					4.5	11.0	5.5	9.5		1.5			11.0	7.0	3.0		3.0	7.0	9.0
4- 5	1.5		12.0	10.5					10.0		6.0	10.0		5.5		4.5	5.0	7.0	3.0		4.5	8.5	4.0
5- 6	2.5			6.5		7.0				11.0	6.5	10.5		9.5				7.0	3.0		6.0	1.5	8.0
6- 7	3.0										7.0	11.0				2.5	11.5	7.0	3.0		7.5	3.0	3.0
7- 8	4.0		6.5	8.0		9.0				11.0	7.5	3.5		4.0			5.5	7.0	3.0		9.0	4.5	7.5
8- 9	4.5										8.0	4.0		8.0				7.0	3.0		2.0	6.0	2.5
9-10				10.0	6.0	11.0			6.5	11.0	8.5	4.5		12.0			12.0	7.5	3.5		3.5	7.5	6.5
10-11				6.0	8.0				11.5		9.5	5.0		2.0			6.0	7.5	3.5		5.0	0.5	1.5
11-12		11.5		12.0	10.0					11.0	10.0	6.0		6.0				7.5	3.5		6.5	2.5	6.0
12-13				8.0	11.5	5.5					10.5	6.5		10.0	11.5			7.5	3.5		8.0	4.0	0.5
13-14										11.0	11.0	7.0			11.0		6.5	7.5	3.5		1.0	5.5	5.0
14-15				10.0		7.0					3.5	7.5		4.5	10.0			7.5	3.5		2.5	7.0	9.5
15-16				6.0					8.5	11.0	4.0	8.0		8.5	9.5			7.5	3.5		4.0	8.5	4.5
16-17				11.5		9.0					4.5	8.5			9.0		6.5	7.5	3.5		5.5	1.5	8.5
17-18				7.5				6.5		11.0	5.0	9.5		2.5	8.0		0.5	7.5	3.5	0.5	7.0	3.0	3.5
18-19			8.0			11.0					6.0	10.0		6.5	7.5			7.5	3.5		8.5	4.5	8.0
19-20	1.0	11.0		9.5				7.5		11.0	6.5	10.5	5.5	11.0	6.5	11.0	7.0	7.5	3.5		1.5	6.0	2.5
20-21	1.5			5.5					5.0		7.0	11.0		1.0	6.0		1.0	7.5	3.5	2.0	3.5	7.5	7.0
21-22	2.5			11.5		5.5		8.5	10.5	11.0	7.5	3.5	7.0	5.0	5.5	9.0		7.5	3.5		5.0	0.5	2.0
22-23	3.0			7.5							8.0	4.0		9.0	4.5		7.5	7.5	3.5		6.5	2.0	6.0
23-24	4.0				6.5	7.5	6.0	9.5		11.0	8.5	4.5	8.0		4.0	7.0	1.5	7.5	3.5		8.0	3.5	1.0
24-25	4.5	11.5		9.5	8.0						9.0	5.0		3.0	3.5			7.5	3.5		1.0	5.0	5.5
25-26				5.0	10.0	9.0	7.0	10.5		11.0	10.0	5.5	9.5	7.0	2.5	4.5	7.5	7.5	3.5		2.5	6.5	9.5
26-27				11.0	12.0				7.0		10.5	6.5		11.5	2.0		2.0	7.5	3.5		4.0	8.0	4.5
27-28				7.0		11.0	8.0	11.5		11.0	11.0	7.0	11.0	1.5	1.0	2.5		7.5	3.5		5.5	1.0	9.0
28-29											11.5	7.5		5.5			8.0	7.5	3.5		7.0	2.5	4.0
29-30			10.0	9.0			9.0			11.0	4.0	8.0		9.5			2.0	7.5	3.5		8.5	4.0	8.0

	UX UMA	VV UMA	XZ UMA	ZZ UMA	AF UMA	W UMI	RU UMI	VV VIR	AG VIR	AH VIR	AH VIR	AK VIR	AW VIR	AW VIR	AX VIR	AZ VIR	AZ VIR	BH VIR	MS VIR	MS VIR	NY VIR	Z VUL	AW VUL
MAX	12.7	10.1	10.1	9.8	10.8	8.6	10.7	11.7	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
MIN	13.8	11.0	11.7	11.2	11.6	9.7	11.4	13.5	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
DUR	1	3	3	4	8	7	4	4	4	4	4	4	3	3	4	3	3	4	3	3	1	6	5
TOT											(S)			(S)			(S)			(S)			
0- 1	1.0	4.5			1.5	5.5	7.5							2.0							2.0	9.0	
1- 2	5.0						9.0									1.5				0.5	2.0		8.0
2- 3	9.5	6.0	9.0				10.0						0.5			2.5							3.0
3- 4	4.5			7.5			11.0	0.5					2.0						1.5				
4- 5	8.5	7.5															1.0				0.5		
5- 6	3.5				8.0	8.0	1.0							1.0			2.0				0.5	7.0	8.5
6- 7	8.0	9.0	1.0				2.0							2.5	2.0			2.0		0.5	1.0		4.0
7- 8	2.5	1.5	6.5			0.5	3.5	1.0	1.5												1.0		
8- 9	7.0	10.5	11.5				4.5			0.5			1.0			1.5			1.5		1.5		
9-10	2.0	3.0					5.5				1.0					2.5					1.5		9.5
10-11	6.5			5.0		10.5	7.0			1.5											2.0	5.0	5.0
11-12	1.0	4.5					8.0	1.5						1.5			0.5			0.5	2.0		
12-13	5.5					3.0	9.5										2.0						
13-14	10.0	6.0	9.0				10.5					1.5							1.5				10.0
14-15	4.5						11.5						1.5								0.5		5.5
15-16	9.0	7.5						2.0								1.0		1.5			1.0	2.5	1.0
16-17	4.0						1.5		1.5							2.5				0.5	1.0		
17-18	8.0	9.0	1.0	2.5		5.5	2.5							1.5							1.0		
18-19	3.0	1.5	6.5				4.0								0.5				1.5		1.5		6.5
19-20	7.5	10.5	11.5	9.5			5.0	2.0		0.5		0.5					1.5				1.5		1.5
20-21	2.5	3.0					6.5				1.0		2.0								2.0	0.5	
21-22	6.5				2.5		7.5			1.5										0.5	2.0		
22-23	1.5	4.5				8.0	8.5							0.5		1.0							7.0
23-24	6.0						10.0							2.0		2.0			1.5				2.5
24-25	0.5	6.0	9.0			1.0	11.0											1.0			0.5		
25-26	5.0								1.5				1.0		1.5						1.0		
26-27	9.5	7.5		7.0	8.5		1.0						2.5				1.5			0.5	1.0		8.0
27-28	4.0					10.5	2.0										2.5				1.5	9.5	3.0
28-29	8.5	9.0	1.0				3.5							1.0					1.5		1.5		
29-30	3.5	1.5	6.5			3.5	4.5									1.0					1.5		

	AY	BE	BO	BS	BT	BU	CD
	VUL	VUL	VUL	VUL	VUL	VUL	VUL
MAX	11.0	9.9	10.4	11.0	11.8	10.6	11.5
MIN	12.9	11.4	13.3	11.5	12.5	11.4	12.6
DUR	4	5	4	3	3	3	4
TOT							
0- 1	6.5			1.5	6.0	8.0	
1- 2					9.5		3.0
2- 3						1.0	
3- 4		2.5		9.5		4.0	4.5
4- 5				8.0		7.5	
5- 6	2.0			7.0		11.0	5.5
6- 7		5.0		6.0			
7- 8				4.5	2.5	3.5	7.0
8- 9				3.5	6.0	7.0	
9-10		7.5		2.5	9.5	10.5	8.0
10-11				1.0			
11-12						3.5	9.5
12-13	8.0	10.0				6.5	1.5
13-14				9.0		10.0	10.5
14-15				8.0			3.0
15-16				7.0	2.0	3.0	
16-17			9.0	5.5	5.5	6.0	4.0
17-18	3.5	2.0		4.5	9.0	9.5	
18-19			8.0	3.5			5.5
19-20				2.5		2.5	
20-21		4.5	6.5	1.0		6.0	6.5
21-22						9.0	
22-23			5.0				8.0
23-24		7.0		9.0	2.0	2.0	
24-25	9.5		4.0	8.0	5.5	5.5	9.0
25-26				7.0	8.5	8.5	1.5
26-27		9.5	2.5	5.5			10.5
27-28				4.5		1.5	2.5
28-29			1.5	3.5		5.0	
29-30	5.0			2.0		8.5	4.0