



BAV Circular

Heft 2 - 2009

BAV-Programme

Unterlagen für die Planung der Veränderlichenbeobachtungen, Informationen zu allen BAV-Programmen und Empfehlungen zur Beobachtung

Julianisches Datum 2009

	Jan	Feb	Mrz	Apr	Mai	Jun	Jul	Aug	Spt	Okt	Nov	Dez
2454 000 +	832	863	891	922	952	983						
2455 000 +							013	044	075	105	136	166

jeweils für den Nullten des Monats um 12 Uhr Weltzeit

Umwandlung von Julianischen Tagesbruchteilen in MEZ

JD	.00d	.10d	.20d	.30d	.40d	.50d	.60d	.70d	.80d	.90d
.00d	13 00	15 24	17 48	20 12	22 36	01 00	03 24	05 48	08 12	10 36
.01	13 14	15 38	18 02	20 26	22 50	01 14	03 38	06 02	08 26	10 50
.02	13 29	15 53	18 17	20 41	23 05	01 29	03 53	06 17	08 41	11 05
.03	13 43	16 07	18 31	20 55	23 19	01 43	04 07	06 31	08 55	11 19
.04	13 58	16 22	18 46	21 10	23 34	01 58	04 22	06 46	09 10	11 34
.05	14 12	16 36	19 00	21 24	23 48	02 12	04 36	07 00	09 24	11 48
.06	14 26	16 50	19 14	21 38	00 02	02 26	04 50	07 14	09 38	12 02
.07	14 41	17 05	19 29	21 53	00 17	02 41	05 05	07 29	09 53	12 17
.08	14 55	17 19	19 43	22 07	00 31	02 55	05 19	07 43	10 07	12 31
.09	15 10	17 34	19 58	22 22	00 46	03 10	05 34	07 58	10 22	12 46

Alle Vorhersagen (Ephemeriden) in Heft 2 sind in MEZ angegeben.

Während der Sommerzeit muss daher bei den Ephemeriden eine Stunde hinzugerechnet werden, um zur dazugehörigen Uhrzeit zu gelangen.

Inhaltsverzeichnis

N

1 Julianische Tagesbruchteile

Tabelle zur Umwandlung von Julianischen Tagesbruchteilen in MEZ

Ephemeriden für folgende BAV-Programme

3	Bedeckungsveränderliche Langperiodische Bedeckungsveränderliche Programms 2000 (ausgewählte Sterne)	LB 20
7	Bedeckungsveränderliche Langperiodische Bedeckungsveränderliche Programms 2000 (ausgewählte Sterne) RR-Lyrae-Sterne Standardprogramm RR-Lyrae-Sterne Programm 1990	ST 20 RR 90
65	Mirasterne	M

Separat: BAV Circular Heft 1 – 2009

BAV-Programme
Unterlagen für die Planung der Veränderlichenbeobachtung
Informationen zu allen BAV-Programmen
und Empfehlungen zur Beobachtung

BAV-Programm Langperiodische Bedeckungsveränderliche (LB), ausgewählte Sterne vom Programm 2000 (20)

Ephemeriden-Tabelle																								
Stern	BP	Januar					Februar					März												
CD	And	LB						1,77					8,22											
LL	Aqr	20	4,25	24,43				13,61					5,79 25,96											
CQ	Aur	LB	7,91	18,53	29,15			8,77 19,40					2,02 12,64 23,26											
SS	Cam	20	4,57	6,98	9,39	11,80	14,22	16,63	19,04	2,51	4,92	7,33	9,74	12,15	14,56	16,98	1,03	3,44	5,86	8,27	10,68	13,09	15,50	17,91
			21,45	23,86	26,27		19,39 21,80 24,21					20,32 22,74												
TW	Cnc	LB	19,83										31,59											
UU	Cnc	LB											2,43											
RX	Cas	LB	14,56	30,73				15,90					4,06 20,23											
SX	Cas	LB	10,30		28,58			15,86					6,15 24,43											
AQ	Cas	LB	2,97	8,83	14,69	20,55	26,41			1,27 7,13 12,99 18,85 24,71					2,57 8,43 14,29 20,15 26,01 31,87									
BM	Cas	LB																						
TU	Cet	20	5,17	9,56	13,95	18,34	22,74	27,13	31,52	4,91	9,30	13,69	18,08	22,48	26,87	3,26	7,65	12,04	16,43	20,82	25,21	29,61		
V367	Cyg	LB	3,56	12,86	22,16	31,46			9,76 19,05 28,35					9,65 18,95 28,25										
V788	Cyg	LB	19,27					12,20					8,12											
NN	Del	20											2,22 20,89											
GV	Dra	20	7,47	31,32				24,17					20,03											
RY	Gem	LB	4,63	13,93	23,23			1,53 10,83 20,13					1,43 10,73 20,03 29,33											
AW	Her	LB	9,27	26,87				4,67 13,48 22,28					3,08 11,88 20,68 29,48											
AI	Hya	20	8,63	12,29	16,92	20,58	25,21	28,87	2,50	6,16	10,79	14,45	19,08	22,74	27,37	3,02	7,66	11,31	15,95	19,60	24,24	27,89		
UW	Lac	20	4,12	9,41	14,70	19,99	25,28	30,57	4,86	10,15	15,44	20,73	26,02	3,31	8,60	13,89	19,18	24,47	29,76					
V345	Lac	20	6,97	14,46	21,95	29,44			5,94 13,43 20,92 28,41					7,90 15,40 22,89 25,52 30,38										
beta	Lyr	LB	7,83	14,30	20,77	27,24			2,71 9,18 15,65 22,13 28,60					7,07 13,54 20,01 26,48										
UX	Mon	20	1,06	4,02	6,97	9,92	12,87	15,82	18,78	2,54	5,49	8,44	11,39	14,35	17,30	20,25	1,11	4,06	7,01	9,96	12,92	15,87	18,82	21,77
			21,73	24,68	27,63		23,20 26,16					24,73 27,68												
VV	Mon	20	6,18	12,23	18,28	24,33	30,38			5,44 11,49 17,54 23,59					1,64 7,69 13,74 19,79 25,84 31,89									
AV	Mon	20	6,86	13,81	20,75	27,70			3,65 10,60 17,54 24,49					3,44 10,39 17,33 24,28 31,23										
IL	Mon	20	4,39	8,42	12,44	16,47	20,49	24,52	28,55	1,57	5,60	9,63	13,65	17,68	21,70	25,73	1,76	5,78	9,81	13,84	17,86	21,89	25,91	29,94
Z	Ori	20	1,82	7,03	12,23	17,43	22,64	27,84	2,04	7,25	12,45	17,65	22,86	28,06	5,26	10,47	15,67	20,87	26,08	31,28				
BM	Ori	20	4,99	11,46	17,93	24,40	30,87			6,35 12,82 19,29 25,76					4,23 10,70 17,17 23,64 30,11									
CP	Ori	20	5,31	10,63	15,95	21,27	26,59	31,91	6,23	11,55	16,87	22,20	27,52	4,84	10,16	15,48	20,80	26,12	31,44					
DN	Ori	LB	13,39	26,35				8,32 21,29					6,25 19,22											
V1016	Ori	LB	25,08										31,51											
VW	Peg	20	6,63	12,35	27,70			2,42 17,77 23,49					10,84 16,56 31,91											
AW	Peg	LB	20,62		31,24			10,86 21,49					4,11 14,73 25,35											
DF	Peg	LB	1,50	16,20	30,90			14,60					1,30 30,70											
RW	Per	LB	4,42	17,62	30,82			13,02 26,21					11,41 24,61											
AY	Per	LB	18,78	30,55				11,33 23,11					6,88 18,66 30,43											

BAV-Programm Langperiodische Bedeckungsveränderliche (LB), ausgewählte Sterne vom Programm 2000 (20)

Ephemeriden-Tabelle																									
Stern		BP	April					Mai					Juni												
CD	And	LB	11,66					16,10					19,55												
LL	Aqr	20	15,14					5,32 25,50					14,68												
CQ	Aur	LB	2,88 13,51 24,13					4,75 15,37					5,62 16,24 26,86												
SS	Cam	20	1,38	3,79	6,20	8,62	11,03	13,44	15,85	18,26	2,73	5,14	7,55	9,96	12,38	14,79	17,20	3,08	5,49	7,90	10,31	12,72	15,14	17,55	19,96
			20,67 23,08					19,61 22,02 24,43					22,37 24,78												
TW	Cnc	LB											10,35												
UU	Cnc	LB	19,77										7,10												
RX	Cas	LB	5,40 21,57					7,73 23,90					9,07 25,23												
SX	Cas	LB	11,71					18,28					5,56 23,84												
AQ	Cas	LB	6,73 12,59 18,45 24,32 30,18 0,00					6,04 11,90 17,76 23,62 29,48					4,34 10,20 16,06 21,92 27,78												
BM	Cas	LB						19,26																	
TU	Cet	20	7,39	11,78	16,17	20,56	24,95	29,34	3,74	8,13	12,52	16,91	21,30	25,69	30,08	3,47	7,87	12,26	16,65	21,04	25,43	29,82			
V367	Cyg	LB	6,55 15,85 25,15					4,45 13,75 23,04					1,34 10,64 19,94 29,24												
V788	Cyg	LB	1,05 24,97					18,89					11,82												
NN	Del	20											9,49 28,15												
GV	Dra	20	12,88					6,74 30,59					23,45												
RY	Gem	LB	7,63 16,93 26,23					5,53 14,83 24,14					2,44 11,74 21,04 30,34												
AW	Her	LB	7,28 16,08 24,88					3,68 12,48 21,28 30,08					7,89 16,69 25,49 0,00												
AI	Hya	20	1,53	5,18	9,82	13,47	18,11	21,76	26,40	30,05	4,69	8,34	12,98	16,63	21,27	24,92	29,56	2,21	6,84	10,50	15,13	18,79	23,42	27,08	
UW	Lac	20	4,05	9,34	14,63	19,92	25,21	30,50	5,79	11,08	16,37	21,66	26,95	1,24	6,53	11,82	17,11	22,40	27,69						
V345	Lac	20	6,87	9,51	14,36	21,86	24,49	29,35	6,84	9,47	14,33	21,82	24,46	29,31	5,81	8,44	13,30	20,79	23,42	28,28					
HP	Lyr	LB	21,58																						
beta	Lyr	LB	1,95 8,42 14,89 21,36 27,84					4,31 10,78 17,25 23,72 30,19					5,66 12,13 18,60 25,08												
UX	Mon	20	2,58	5,53	8,49	11,44	14,39	17,34	20,30	23,25	2,10	5,06	8,01	10,96	13,91	16,87	19,82	3,58	6,53	9,48	12,44	15,39	18,34	21,29	24,25
			26,20 29,15					22,77 25,72 28,67					27,20 30,15												
VV	Mon	20	6,94	12,99	19,04	25,09						1,14 7,19 13,24 19,29 25,34 31,39					6,44 12,49 18,54 24,60 30,65								
AV	Mon	20	7,17 14,12 21,07 28,02					4,96 11,91 18,86 25,81					1,75 8,70 15,65 22,59 29,54												
IL	Mon	20	2,97 6,99 11,02 15,05 19,07 23,10 27,12					1,15 5,18 9,20 13,23 17,26 21,28 25,31					2,36 6,39 10,41 14,44 18,47 22,49 26,52 30,54												
Z	Ori	20	5,48 10,69 15,89 21,09 26,29					1,50 6,70 11,90 17,11 22,31 27,51					1,72 6,92 12,12 17,33 22,53 27,73												
BM	Ori	20	5,58 12,05 18,52 24,99 0,00					1,46 7,93 14,40 20,87 27,34					2,81 9,29 15,76 22,23 28,70												
CP	Ori	20	5,76 11,08 16,40 21,72 27,04					2,36 7,68 18,32 23,64 28,96					3,29 8,61 13,93 19,25 24,57 29,89												
DN	Ori	LB	1,19 14,15 27,12					10,09 23,05					5,02 17,98 30,95												
V1016	Ori	LB											4,95												
VW	Peg	20	6,63 21,99 27,71					13,06 18,78					3,13 8,85 24,20 29,92												
AW	Peg	LB	4,98 15,60 26,22					6,84 17,47 28,09					7,71 18,33 28,96												
DF	Peg	LB	14,40 29,09					13,79 28,49					12,19 26,89												
RW	Per	LB	6,81 20,01					3,21 16,41 29,61					11,81												
AY	Per	LB	11,21 22,99					4,76 16,54 28,32					9,09 20,87												

BAV-Programm Langperiodische Bedeckungsveränderliche (LB), ausgewählte Sterne vom Programm 2000 (20)

Ephemeriden-Tabelle																		
Stern		BP	Juli						August						September			
CD	And	LB	23,99						27,43						30,88			
LL	Aqr	20	4,86 25,03						14,21						3,39 23,57			
CQ	Aur	LB	7,49 18,11 28,73						8,35 18,97 29,60						9,22 19,84 30,46			
SS	Cam	20	2,02 4,43 6,84 9,25 11,66 14,07 16,48 18,90						2,36 4,78 7,19 9,60 12,01 14,42 16,83						2,71 5,12 7,54 9,95 12,36 14,77 17,18 19,59			
			21,31 23,72						19,24 21,66 24,07						24,42 26,83			
TW	Cnc	LB							20,11									
UU	Cnc	LB	25,43												11,77			
RX	Cas	LB	11,40 27,57						12,73 28,90						14,07 30,24			
SX	Cas	LB	12,13 30,41						17,69						4,97 23,26			
AQ	Cas	LB	3,64 9,50 15,36 21,22 27,08						1,94 7,80 13,66 19,52 25,38 31,24						6,10 11,97 17,83 23,69 29,55			
BM	Cas	LB																
TU	Cet	20	4,21 8,60 17,39 21,78 26,17 30,56						3,95 8,34 12,73 17,13 21,52 25,91 30,30						3,69 8,08 12,47 16,87 21,26 25,65 30,04			
V367	Cyg	LB	8,54 17,84 27,14						5,44 14,74 24,03						2,33 11,63 20,93 30,23			
V788	Cyg	LB	5,74 29,67												15,52			
NN	Del	20													16,75			
GV	Dra	20	17,30						10,15						3,01 26,86			
RY	Gem	LB	9,64 18,94 28,24						6,54 15,84 25,14						3,44 12,74 22,04			
AW	Her	LB	4,29 13,09 21,89 30,69						8,49 17,29 26,09						3,89 12,69 21,50 30,30			
AI	Hya	20	1,71 5,37 13,66 18,29 21,95 26,58 30,24						3,87 7,53 12,16 15,82 20,45 24,11 28,74						1,40 6,03 9,69 14,32 17,98 22,61 26,27 30,90			
UW	Lac	20	2,98 8,27 13,56 18,85 24,14 29,43						3,72 9,01 14,30 19,59 24,88 30,17						4,46 9,75 15,04 20,33 25,62 30,91			
V345	Lac	20	5,77 8,41 13,27 20,76 23,39 28,25						4,74 7,38 12,23 19,73 22,36 27,22						3,71 6,34 11,20 18,69 21,33 26,18			
beta	Lyr	LB	1,55 8,02 14,49 20,96 27,43						2,90 9,37 15,84 22,31 28,79						4,26 10,73 17,20 23,67 30,14			
UX	Mon	20	3,10 6,05 9,01 11,96 14,91 17,86 20,82 23,77						1,62 4,58 7,53 10,48 13,43 16,39 19,34						3,10 6,05 11,96 14,91 17,86 20,81 23,76 26,72			
			26,72 29,67						22,29 25,24 28,19						29,67			
VV	Mon	20	6,70 12,75 18,80 24,85 30,90						5,95 18,05 24,10 30,15						5,20 11,25 17,30 23,35 29,40			
AV	Mon	20	6,49 13,44 20,38 27,33						3,28 10,23 17,17 24,12 31,07						7,02 13,96 20,91 27,86			
IL	Mon	20	4,57 8,60 12,62 16,65 20,68 24,70 28,73						1,76 5,78 9,81 13,83 17,86 21,89 25,91						2,97 6,99 11,02 15,04 19,07 23,10 27,12			
Z	Ori	20	2,94 8,14 13,34 18,55 23,75 28,95						3,16 8,36 13,56 18,77 23,97 29,17						3,38 8,58 13,78 18,99 24,19 29,39			
BM	Ori	20	5,17 11,64 18,11 24,58 31,05						6,52 12,99 19,46 25,93						1,40 7,87 14,34 20,81 27,28			
CP	Ori	20	5,21 10,53 15,85 21,17 26,49 31,81						6,13 11,45 16,77 22,09 27,41						1,73 7,05 12,37 17,70 23,02 28,34			
DN	Ori	LB	13,92 26,88						8,85 21,82						3,78 16,75 29,72			
V1016	Ori	LB							9,38									
VW	Peg	20	15,27 20,99						5,34 11,06 26,42						1,14 16,49 22,21			
AW	Peg	LB	9,58 20,20 30,82						10,45 21,07 31,69						11,31 21,94			
DF	Peg	LB	11,59 26,29						9,99 24,68						8,38 23,08			
RW	Per	LB	8,20 21,40						3,60 16,80						12,20 25,40			
AY	Per	LB	2,65 14,42 26,20						6,98 18,75 30,53						11,31 23,08			

BAV-Programm Langperiodische Bedeckungsveränderliche (LB), ausgewählte Sterne vom Programm 2000 (20)

Ephemeriden-Tabelle																									
Stern		BP	Oktober						November					Dezember											
CD	And	LB							4,32						8,76										
LL	Aqr	20	13,75						2,93	23,10					13,28										
CQ	Aur	LB	11,09 21,71						1,33	11,95 22,57					3,20 13,82 24,44										
SS	Cam	20	1,65	4,06	6,47	8,88	11,30	13,71	16,12	18,53	4,41	6,82	9,23	11,64	14,06	16,47	18,88	3,35	5,76	8,17	10,58	12,99	15,40	17,82	20,23
			20,94 23,35						21,29 23,70 26,11					22,64 25,05											
TW	Cnc	LB	29,87																						
UU	Cnc	LB	30,10											17,44											
RX	Cas	LB	16,40						1,57	17,74					3,90 20,07										
SX	Cas	LB	11,54 29,82						17,11					5,39 23,67											
AQ	Cas	LB	5,41	11,27	17,13	22,99	28,85	3,71 9,57 15,43 21,29 27,15					3,01 8,87 14,73 20,59 26,45												
BM	Cas	LB												2,59											
TU	Cet	20	4,43	8,82	13,21	17,60	26,39	30,78	4,17	8,56	12,95	17,34	21,73	26,13	30,52	4,91 9,30 13,69 18,08 22,47 26,86 31,26									
V367	Cyg	LB	9,53 18,83 28,13						6,43 15,73 25,02					4,32 13,62 22,92											
V788	Cyg	LB	9,44						2,37 26,29					20,21											
NN	Del	20	5,42											25,02											
GV	Dra	20	20,72						13,57					7,43 31,28											
RY	Gem	LB	1,34	10,64	19,94	29,24	7,54 16,84 26,14						5,44 14,75 24,05												
AW	Her	LB	9,10 17,90 26,70						4,50 13,30 22,10 30,90					9,70 18,50 27,30											
AI	Hya	20	4,56	9,19	12,85	17,48	21,14	25,77	29,43	3,06	6,72	11,35	19,64	23,29	27,93	1,58 6,22 9,87 14,51 18,16 22,80 26,45 31,09									
UW	Lac	20	6,20 11,49 16,78 22,07 27,36						1,65 6,94 12,23 17,52 22,81 28,10					3,39 8,68 13,97 19,26 24,55 29,84											
V345	Lac	20	3,68	6,31	11,17	18,66	21,30	26,15	2,64	5,28	10,14	17,63	20,26	25,12	2,61 5,25 10,10 17,60 20,23 25,09										
beta	Lyr	LB	6,61 13,08 19,55 26,03						1,50 7,97 14,44 20,91 27,38					3,85 10,32 16,79 23,26 29,74											
UX	Mon	20	2,62	5,57	8,53	11,48	14,43	17,38	20,33	23,29	1,14	4,10	7,05	12,95	15,90	18,86	21,81	3,62 6,57 9,52 12,48 15,43 18,38 21,33 24,28							
			26,24 29,19						24,76 27,71 30,67					27,24 30,19											
VV	Mon	20	5,45	11,50	17,55	23,60	29,65	4,70 10,75 16,81 22,86 28,91					4,96 11,01 17,06 23,11 29,16												
AV	Mon	20	4,80 11,75 18,70 25,65						1,59 8,54 15,49 22,44 29,38					6,33 13,28 20,22 27,17											
IL	Mon	20	1,15	5,18	9,20	13,23	17,25	21,28	25,31	29,33	2,36	6,39	10,41	14,44	18,46	22,49	26,52	4,57 8,60 12,62 16,65 20,67 24,70 28,73							
Z	Ori	20	4,60 9,80 20,21 25,41 30,61						4,82 10,02 15,22 20,43 25,63 30,83					6,04 11,24 16,44 21,65 26,85											
BM	Ori	20	3,75 10,23 16,70 23,17 29,64						5,11 11,58 18,05 24,52 30,99					7,46 13,93 20,40 26,87											
CP	Ori	20	3,66 8,98 14,30 19,62 24,94 30,26						4,58 9,90 15,22 20,54 25,86					1,18 6,50 11,82 17,14 22,46 27,79											
DN	Ori	LB	12,68 25,65						7,62 20,58					3,55 16,51 29,48											
V1016	Ori	LB	13,81											18,24											
VW	Peg	20	7,56 13,28 28,63						3,35 18,70 24,42					9,78 15,49 30,85											
AW	Peg	LB	2,56 13,18 23,80						3,43 14,05 24,67					5,30 15,92 26,54											
DF	Peg	LB	7,78 22,48						6,18 20,88					5,58 20,27											
RW	Per	LB	8,60 21,80						3,99 17,19 30,39					13,59 26,79											
AY	Per	LB	4,86 16,64 28,41						9,19 20,96					2,74 14,52 26,29											

Ephemeriden für die BAV-Programme ST, RR, 90 und 20 (restliche Sterne)

Nun beginnen die Ephemeriden für die BAV-Programme ST, RR, 90 und 20 (restliche Sterne)

2009	Januar		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31									
And	RT	ST	36s	31	25s	19+	45	39s	34	28s	22	48	42s	37	31s	26	20s	46+	40	34s	29	23s	43+		37s	32	26s	41+		35	29s	24										
And	SW	RR	24	45		33	22	43		31	20	41		29	39			27	37			25	35		24	33		22				31										
And	TW	ST	36																																							
And	XX	90	44	33			50			22	39			28			45			34			23			40		29			46		35									
And	XZ	ST	44						51			23			30			37			44			44			29			46		23										
And	AB	ST	26+	25+	25+	24+	24+	23+	23+	22+	22+	22+	21+	21+	20+	20+	20+	36s	36s	35s	35s	34s	34s	33s	33s	33s	32s	32s	31s	31s	30s	30s	30s	29s								
And	OV	90	27	21				45		39	33	27	21				45			39	21															39						
Aqr	SX	90	24									21									20																					
Aqr	HH	90	26																		20																					
Aql	KO	ST				78																		75s																		
Aql	KP	ST																			78			78s			73			39			34			29						
Aql	OO	ST																																								
Aql	V1353	20																																								
Ari	X	RR	34	29			25			20		46			41		36			32		27			22						43			39			34			29		
Ari	SS		27+	28+	30+	31	33s	34	36s	37	39s	20+	21+	23+	24+	26+	27+	29s	30	32s	33	35s	36	38s	39	41s	22+	23+	25s	26	28s	29	31s									
Aur	TZ	90	55	34+	51	30+	47	25+	43	21+	39	56	35+	52	30+	48	26+	44	22+	40	57	35	53	31+	49	27+	45	23+	40	58	36	54	32									
Aur	EM	20	67	58s	49	40s	31	22s	37			69	65	29			61	33s	24	25			57	21			52	35			26s	48			44							
Aur	KU	20	41									23			78			68			57			70	59			72	48			61	74	49			63	76	51	65		
Aur	V432	20																																								
Boo	RS	RR	59	72	61			74	63	76	51	65	78	53	67	55			68	57			70	59	72	48	61	74	49	63	76	51	65									
Boo	TW	90	56			62	69	75	48			54	61	67	74				46			53	59	66	72	78	45			51	57	64	70	77								
Boo	UU	90	73			64	55	59			75	67	58	78			69	61	52	72			63	55	75			66	57	49	77	69	60									
Boo	UY	90	73	68			64	69	59	54			77s	62s	73			58	70s			55s	66	51	78s			63s	74	59	71s			56s	67							
Boo	AC	20	52+	57+	63	51+	57+	63s	51+	57+	62	50+	56+	62s	50+	56+	61	50+	55+	61s	49+	55+	43+	49+	54+	43+	48+	54+	42+	48+	54+	42+	47+	47+								
Boo	CM	90	68			73			55	77	60			64			69			52	73	56			78	61			65			48			70							
Boo	CQ	90	72	70			67	64	77	62	75	59	72	56	69	66			64	77	61	74	58	71	56	68	53	66	63	76	63	76	60									
Boo	CS	90	61			71	69	59	62			78	57			67	78	55			65	76	53			63	74	51			62	72	67									
Boo	CV	20	61s	72			57	69s	53s	65			77s	62s	73			58	70s			55s	66	51	78s			63s	74	59	71s			56s	67							
Cam	SV	ST	26+	44+	33+	22+	41+	30+	19+	38+	27+	45+	34+	23+	42+	31+	20+	38+	27+	46+	35+	24+	42+	31+	20+	39+	28+	46+	35+	24+	43+	32+	21+	21+								
Cnc	RW	90	78	33	42	52	61	71	35	44	54	63	73	37	46	56	65	75	29	39	48	58	67	76	31	41	50	60	69	33			33									
Cnc	TT	90	63	44			57	70	39	51	64	70	33	46	59	71	40			53	66	35			47	60	42			55	67	36			49							
Cnc	WY	ST	79	62	45	77			60	43	75			57	40	72			55	38	70			53	36	67			50	33	65											
Cnc	AQ	90	43	53	62	72	37	46	56	66	75	40	50	59	69	34	43	53	63	72	37	47	56	66	31	40	50	66	31	40	50	60										
CVn	W	90	49	59	70	56			66	76	52			63	73	49			59	70	45			56	66	77			42	52	63	73										
CVn	Z	90	58			54	50	46			77	43	73	39	70	66			62			58			54			77			43	74	39	70	35							
CVn	RS	ST	52s						72						52						71s						51s															
CVn	RZ	90	67	50			64	77	47			61	74	58			72	55			69	53			66	50			63	77	47			60	74							
CMa	R	ST	52												47						42																					
JD	548	..	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63									

2009	Januar		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Cas	RZ	ST	70				29	48	68				27	46	66			24	44	63			22	41	61						39	58		
Cas	TV	ST		53		34					78		59		40		22						47		28				72			53		
Cas	TW	ST	29	72			58			44			29	72			58			43			29	72		58			43			29		
Cas	AB	ST	26	63	31s	68s	36	73	41s	78s	46		51s	20	56	25s	62s	30	67	35s	72s	40	77	45s		50		55s	23	60	28s	65s	33	
Cas	IL	20						56								47																73		
Cas	IT	20																		48				38				28				43s		
Cas	IT	20																																
Cas	OX	20				55					53				51											47						45		
Cas	PV	20	29			79		54		29			79		54	29								29							29			
Cas	PV	20		20s			70s		45s		20s			71s		46s		21s		71s			46s	21s		21s		71s		46s		21s		
Cas	V381	20		27s							26s							24s							22s								21s	
Cas	V381	20	37							35						34								32								30		
Cas	V459	20																	40															
Cas	V459	20				65s																	57s											
Cep	U	ST			58						57					55									53					51				
Cep	RZ	90	25+	49+	41+	34+	26+	19+	42+	35+	28+	20+	44+	36+	29+	21+	45+	37+	30+	23+	46+	39+	31+	24+	47+	40+	32+	25+	48+	41+	34+	26+	50	
Cep	VW	ST	25+	23+	20+	31+	29+	26+	24+	21+	32+	30+	27+	25+	22+	33+	31+	28+	26+	23+	20+	32+	29+	26+	24+	21+	33+	30+	27+	25+	22+	34+	31+	
Cep	XX	ST			34s	51	68s				19	35s	52	69s				20	37s	54	70s				21	38s	55	72s			22	39s		
Cep	ZZ	ST	73									30					44			58			72				29					72		
Cep	AI	20						78								23			34s		45				68									
Cep	CW	20					68			41								60			33							52				24		
Cep	CW	20	57s			30s					76s			49s		21s						67s			40s								59s	
Cep	EX	20																26																
Cet	RR	RR			23	33				20	31					29										24	35					22	32	
Cet	RV	90	29					28					26					25					24					23					21	
Com	S	90	60	78		54	71		47	64			58	75		51	68		44	61			55	72		48	65		41	59	76		52	
Com	ST	90	51	71		51	70		50	70		50	69		49	69		48	68		48	68		47	67		47		67	46	66		46	
CrB	U	ST								68						58																		
CrB	RV	90																														77	77	
Crt	W	90	62		68					63	69						63							64					58					
Cyg	Y	ST								79							78			78			78		77				77				77	
Cyg	UY	RR			23						28			20						25								22						
Cyg	XZ	RR	28+	21+	61				34	28+	21+	61				34	27+	21+	61				34	27+	21+	61	54				27+	21+	61	
Cyg	BO	20				31							34																					
Cyg	BR	ST			79				79				79				78									78								77
Cyg	CV	20			30+	28+	26+	25+	23+	21	20															24								
Cyg	DM	RR			25			19		29			22					26		78	20							76						
Cyg	V463	20						77																			71							
JD	548	..	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	

2009	Januar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																																								
Cyg	V477	20	19			23																																																																		
Cyg	V477	20						24s					63					24					66					27					71s					68																																		
Cyg	V548	ST																																																																						
Del	DX	90	25		20																																																																			
Dra	RR	ST	76		59		42					26					75					58					41					24																																								
Dra	RW	RR	60	48	25+		58	47	24+		57	46	78	23+	56	44	77	21+	54	43	76	20+	53	41	74	63	51	40	73	62	50	39	72																																							
Dra	SU	RR	37	69	35	67	33	66	32	64	30	62	28	60	26	58	24	56	22	54	20	52																																																		
Dra	SW	RR	47	61	75	32	46	60	74	31	45	59	73	30	43	57	71	28	42	56	70	27																																																		
Dra	TW	ST	22		64							45					25					68					48					29																																								
Dra	TZ	ST	73		19		79					66					26					72					59					78					65					71					58																									
Dra	UZ	ST	63s			26		52					79					42s					68s					31					57					20s					46s					72s					35																			
Dra	VZ	90	24+	20+	48	45+	73	69	66	62	26+	23+	19+	47	44+	40+	68	65	61	25+	21+	50	46+	42+	39+	67	63	60	56	52	49	45+	41+	40																																						
Dra	WW	ST	62		57s		25					20s					51					46s					77					47					46s																																			
Dra	XZ	RR	21+	64	60	55	50	46	41	36	31+	27+	22+	65	60	56	51	46	42	37	32	27+	23+	66	61	56	52	47	42	37	33	28+	23+																																							
Dra	AI	ST	24			64		23					63					62					62					62					61																																							
Dra	BK	90	55	74	33	51	70	29	47	66	25	43	62	21	39	58	76	35	54	72	32	50	68	28	46	64	24	42	60	38	56	75																																								
Equ	S	ST	20			33		33					33					32					32					32					32																																							
Eri	SV	90	34		33		33					33					32					32					32					32																																								
Gem	RR	90	58	38	57	36	55	35	54	34+	53	32+	51	31+	50	30+	49	28+	47	27+	46	25+	45	24+	43	23+	42	21+	41	60	39	58	38																																							
Gem	SZ	90	65	65	66	66	66	66	67	67	67	67	67	68	68	68	68	69	69	69	69	69																																																		
Gem	YY	ST	38	60s	41s	23+	45	26+	49s	30+	52	34+	56s	37s	59	41	22+	44s	26+	48	29+	51s	33s	55	36	59s	40s	21+	44	25+	47s	29s	51																																							
Gem	GX	20	23		25s		27					28s					30					32s					34					36s					38					40s					42					44s					45					47s					49					
Gem	V339	20	24			75		71					70					70					70					70					69					69					69					69					68					68														
Her	RX	ST						75					75s					75					75					75					75					75					76s																													
Her	TW	RR	71		71		71					70					70					70					70					69					69					69					69					68					68															
Her	TX	ST						77					73					64					74					65					71					55s					58					61s					64					67s					70									
Her	UX	ST						72					63					73					64					74					65					75					66					76					67					58														
Her	VX	RR	71		77		77					65					73					61					69					77					65					74					62					70					58					66					54					
Her	VZ	90	68			72s		77		72			78s			67		73s			78			68s			73			68			74s			63			69s			74			64s			69			75s			70s			75															
Her	AR	90	77	71	65	59	53	70	64	58	52	76	70	64	58	52	75	69	63	57	51	74	68	62	56	50	44	74	68	62	56	50	44																																							
Her	V842	20	19+	65	70s	54+	59	64s	68	52+	57+	62	66s	50+	55+	60s	64	48+	53+	58	63s	46+	51+	56+	61	44+	49+	54+	59s	63	47+	52+	57																																							
Her	V874	20	25+	65+	68	19+	21+	23+	63+	66+	55+	19+	21+	62+	64+	53+	55+	57+	60+	62+	64+	53+	55+	58+	60+	62+	51+	54+	56+	58+	60+	49+	52+																																							
Hya	SZ	90	51		58		65		49			56			64			47			55			62			46			53			61			59			44			49			44																											
Hya	VZ	20	45		61s		52s			42s			53			60			50			55			52			59			23s			35			41			51																																
Hya	WZ	90	62		42		47			53			31			27			24+			20+			32s			28s			25s			21+			33			29			25			22			34s			30s			26s			23s			35			31			27			24		
Lac	SW	ST	21+	33	29	26+	22+	34s	30s	27s	23+	19+	31	27	24+	20+	32s	28s	25s	21+	33	29	25	22	34s	30s	26s	23s	35	31	27	24																																								
JD	548	..	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63																																							

2009	Februar		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
And	RT	ST	44+	38+	32	27s				41+	36	30s	24			39+	33s	27			73s	36+	31	25s		71	34+	28s			
And	SW	RR				29				27			25					23			33			31				29			
And	TW	ST	22				34																								
And	XX	90		24		41				30			36			25						31				37		26			
And	XZ	ST			30					37			45											30				38			
And	AB	ST	29s	28s	28s	27s	27s	27s	26s	26s	25s	25s	24s	24s	23s	23s	23s										33		27		
And	OV	90	33	27						39	33	27																			
Aql	KO	ST																													
Aql	KP	ST																								74s					
Aql	OO	ST			73	75	76															70s	71s	72s	74s						
Aql	V346	ST																				74									
Aql	V1353	20							75s				71					66s								73s					
Ari	X	RR		25							41		36		32		27											34	29		
Ari	SS		32s	34	35s	37	38s	40		23s	24	26s	27	29s	30	32s	33	35s	36	38s					25s	26	28s	29	31s	32	
Aur	TZ	90	50	28+	45	24+	41	59	37	55	33	50	29	46	25+	42	60	38	55	34	51	30	47	25+	43	60	39	56	35	52	
Aur	EM	20		55	46s	37		28s							57s	48	39s	31								50s	42	33s			
Aur	KU	20			40				36				32					28				24	56			51					
Aur	V432	20	26																												
Boo	RS	RR	53	66		55	68	44	57	70	46	59	72	47	61	74	49	63		51	64	40	53	66	42	55	68	44	57	70	
Boo	TW	90			43	49	56	62	69	75			41	48	54	61	67	74			40	46	53	59	66	72		38	45		
Boo	UU	90	51			71	63	54	45		74	65	57	48			68	59	51	42		70	62	53	45		73	64	56	47	
Boo	UY	90		63		58		53		48			74		69		64	60		55		50		46			71		66		
Boo	AC	20	53+	41+	47+	53+	41+	47+	52+	40+	46+	52+	40+	46+	52+	40+	45+	51+	39+	45+	51+	39+	45+	50+	38+	44+	50+	38+	44+	49+	
Boo	CM	90	52	74		57		62				66	49	71		53	75	75		58			62	45	67		50	71			
Boo	CQ	90	73	58	70	55	68	52	65	50	62	75	60	73	57	70	54	67	52	64	49	62	46	59	72	56	69	54	66	51	
Boo	CS	90		49	60	70			47	58	68			45	56	66						43	54	64		41	52	62	73	39	50
Boo	CV	20	52s		64	48	76s	60s	45s	72	57		68s	53s		65	50	61s	46s	73	58	42	70s	54s		66	51		62s		
Cam	SV	ST	39+	28+	47	36+	25+	44+	33+	22+	40+	29+	48s	37+	26+	44+	33+	52	41+	30+	48	37+	26+	45	34+	52s	41+	30+	49s	38+	
Cnc	RW	90	43	52	61	71	26	35	44	54	63		28	37	46	56	65	29	39	48	58	67		31	41	50	60				
Cnc	TT	90	62		31	43	56	62	25	38	50	63	32	45	58			27	39	52			34	46	59	28	41	54			
Cnc	WY	ST	48	31			63	46	29			60	43	26			58	41	24			56	38				53	36			
Cnc	AQ	90			34	44	53	63		28	37	47	57			31	41	51	60		25	34	44	54			28	38	48	57	
CVn	W	90			49	59	70			46	56	66			42	52	63	73		39	49	59	70		35	46	56	66			
CVn	Z	90	66		62		58		54		51		47		43	74	39	70	35	66	31	62	28	58		54		51	47		
CVn	RS	ST		71					50							70s						50s						69			
CVn	RZ	90		44	58	71		41	55	68		38	52	65			49	63			46	60	73		44	57	71		41	54	
CMa	R	ST					46								41							37									
Cas	RZ	ST					37	56	76				34	54	73							32	51	71		29	49	68			

JD 548 .. 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91
13

2009	Februar		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28																																																													
Cas	TV	ST	34					43					41					66					28					72																																																															
Cas	TW	ST	72	57				43					72					43					71					57					43																																																										
Cas	AB	ST	70s	38	75	44s		49					27s					64s					32					74s					47s					52					57s					31s			67s			36																																					
Cas	IL	20						63																																			34																																																
Cas	IT	20	32s																																																		70s																																						
Cas	OX	20						24																																																		32																																	
Cas	OX	20	42					40										38										36										34															30																																						
Cas	PV	20											30															30																									30																																						
Cas	PV	20	71s					46s										71s					46s										71s					47s										72s										30																																	
Cas	V381	20						29										27																																								30																																	
Cas	V459	20						48s																																																		69																																	
Cas	V459	20	32																																																												69																												
Cep	U	ST	50					48					47										46										44																				43																																						
Cep	RZ	90	42+	35+	27+	51	43+	36+	29+	52	45+	37+	30+	53	46	38+	31+	24+	47	40+	32+	25+	48	41+	33+	26+	50	42+	35+	27+																																																													
Cep	VW	ST	28+	26+	23+	35+	32+	29+	27+	24+	22+	33+	30+	28+	25+	23+	34+	31+	29+	26+	24+	35+	32+	30+	27+	38+	36+	33+	31+	28+																																																													
Cep	XX	ST	56	73s				23					40s					57					74s					43					57					71					75s					26					43s					60					28					42			27			44s																	
Cep	ZZ	ST											28					43					57					71					75s					26					43s					60					28					42			27			44s																											
Cep	AI	20	24s					36					58					69s					51s					24s					62					35																				54																																	
Cep	CW	20	32s																																																												54																												
Cep	CW	20	70					43																																																		54																																	
Cep	EX	20																																																													56																												
Cet	RR	RR	30					28					26																																													33			50			68																											
Com	S	90	69	45				63					39					56					73					49					66					42					60					36					53					70					46					64					40					57					33			50			68		
Com	ST	90	66	45				65					44					64					66					44					63					43					63					43					62					64					42					62					42					61					33			41			61		
CrB	U	ST						75																																																												46																							
CrB	RV	90	76	76	75	75	74	74	73	73	72	72	71	71	70	70	69	69	68	68	67	67	67	66	66	65	65	64	64	63	63																																																												
Crt	W	90	52	58				53					59					75					75					75					75					75					75					75					75					75					73			48																									
Cyg	Y	ST	76					75					75					75					75					75					75					75					75					75					75					75					73																												
Cyg	UY	RR						75																																																												73																							
Cyg	XZ	RR	54	27+				67					60					54					27+					67					60					54					47					60					54					47					73			67			60																						
Cyg	BO	20																																																																		73																							
Cyg	CV	20	76s					75s					73s					71s					70s					68s					66s					65s					63s					61s																				75																							
Cyg	DM	RR	22	74																																																																75																							
Cyg	V463	20																																																																		75																							
Cyg	V477	20	70																																																												75																												
Cyg	V477	20						75s																																																							75																												
Cyg	V548	ST	29					71																																																							75																												
Del	DX	90	76																																																																	75																							
JD	548	..	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91																																																													

2009	Februar		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
Dra	RR	ST					74			57			40		23								73			56			39		
Dra	RW	RR	60	49	37	70	59	47	36	69	57	46	35	67	56	45	33	66	55	43	32	65	53	42		63	52	41	73	62	
Dra	SU	RR	41	73	39	71	37	70	36	68	34	66	32	64	30	62	28	60	26	58	24	56		55		53		51		49	
Dra	SW	RR	23	37	51	65	22	36	50	64		35	49	63		34	48	61	75	32	46	60	74	31	45	59	73	30	44	58	
Dra	TW	ST						71			52				32							74			55			36			
Dra	TZ	ST			64						70	57						63	50					69	56						
Dra	UZ	ST			62s		25			51					40s			66s		29			55					44s			
Dra	VZ	90	38+	66	62	59	55	51	48	44+	40+	36+	33+	61	57	54	50	46	43+	39+	35+	32+	60	56	53	49	45	42	38+	34+	
Dra	WW	ST		72					35		66s				29s			61					24		55s						
Dra	XZ	RR	66	62	57	52	47	43	38	33	29+	24+	67	62	57	53	48	43	39	34	29	25+	67	63	58	53	49	44	39	35	
Dra	AI	ST					61						60						59				39	59					38		
Dra	BK	90	34	52	71	30	49	67	26	45	63		41	59		37	55	73	33	51	70	29	47	66	25	43	62		39	58	
Eri	SV	90					32					31																			
Gem	RR	90	57	37	56	35	54	34	53	32	52	31	50	30	49	28	48	27	46	26	45	24	44		42		41	60	39	59	
Gem	SZ	90	22	22	23	23	23	23	23	24	24	24	24	25	25	25	25	26	26	26	26	26	27	27	27	27	28	28	28	28	28
Gem	YY	ST	32	54s	36s	58	39	61s	43s	24+	46	28	50s	31s	54	35	57s	39s	61	42	24	46s	27s	49	31	53s	34s	56	38	60s	
Gem	GX	20	51		53s		55		57s		59		61s		63																
Her	RX	ST							76s									65s								66					
Her	TW	RR	68		68		68		67		67		67		67		67		66		66		66		66		66		65		
Her	TX	ST	73	76s																								45	48s	51	
Her	UX	ST			65			74														68									
Her	VX	RR	77	68	59				69	60				70	61				71	62	53			71	62	54			72	63	
Her	VZ	90		75	63			71	59			67	55	75	63	52			72	60			68	56		64		52	72	62	
Her	AK	ST		65s	70	75s	60s	65	71s	76	60	66s	71		61s	66	71s		61	67s	72	56	62s	67	72s	57s	62	67s	73	57	
Her	AR	90			73	67	61	55	49	43			72	66	60	54	48	42			71	65	59	53	47	41		70	64		
Her	V842	20	62	45+	50+	55+	60s	43+	48+	53+	58	42+	46+	51+	56s	40+	44+	48+	54+	38+	42+	47+	52+	57	41+	45+	50+	55s	39+	43+	
Her	V874	20	54+	56+	58+	48+	50+	52+	54+	56+	46+	48+	50+	52+	54+	56+	46+	49+	50+	52+	54+	44+	46+	48+	50+	53+	42+	44+	46+	48+	
Hya	SZ	90	52	59					43	50	57				41	48		56				32	39	47	54			30	38		
Hya	VZ	20			40s													46			37		27								
Hya	WZ	90	58					42	50	57					41	49	56					40	48	55				39	47		
Hya	ET	90	47		52				32		38			43		49							35		40		46				
Lac	SW	ST	32s	28s	24s		33	29	25	22		30s	26+			31	27+	23				28s	24+			25+				26s	
Lac	CM	ST		31s		71		32		72s				74				75s													
Lac	CO	20						69		24			32			40										66				28	
Lac	CO	20	31s		40s										65s			73s		27s			36s								
Lac	CZ	90		31+				33		36	66			25+				27+			30+			32	62			65			
Lac	V364	20																	31												
Leo	Y	ST					49					55		23		60						66		35					41		

JD 548 .. 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91
15

2009	Februar		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
Leo	RR	RR	55	45	36	71	62	52	43	33	69	59	50	40	31	67	57	48	38	29	64	55	45	36	26	62	52	43	33	69	
Leo	SS	RR	43	68		56		44	69		57		45	70		58		46			59		47			60		48		36	
Leo	ST	RR	69	64	60	56	51	47	42	38			73	68	64	59	55	51	46	42	37				72	68	63	59	54	50	46
Leo	UV	ST	48s	38+	58	48s	38+	58	48s	38+	58	48s	38+	58	48s	38+	58	48s	38+	58	48s	38+	28+	48s	38+	28+	48s	38+	28+	48s	
Leo	AG	20									53					32										50					
Leo	AM	ST	49+	40+	50+	41+	51+	43+	52+	44+	35+	45+	37+	46+	38+	47+	39+	49+	40+	50+	41+	33+	42+	34+	44+	35+	45+	36+	46+	37+	
Leo	FM	20	23																												
Lyr	RR	RR			70				67				64				61	74			58	71			54	68				65	
Lyr	RZ	90															59	61	63	65	68	70	72	74							
Lyr	UZ	ST															68														
Lyr	CN	90	71		76			64		70					64		69		75			63			69			57		62	
Lyr	EZ	RR			62	67	72								60	65	70	75								58	63	68	73		
Lyr	FL	ST											63s	72											52s	61	70s				
Lyr	IO	90	76			64				68				72			61				65					69		57	73		
Mon	AQ	20								35s					44s						26				35			44			
Oph	U	ST					75s											66			69		69		74	64			72		
Oph	ST	90			73						68				74					69									70		
Ori	EW	20	32s							26s																					
Ori	EW	20																										39			
Ori	FT	20						29s			44s																			35s	
Ori	GG	20								34s																					
Ori	GG	20																								39					
Ori	V536	20			23					39																			37		
Ori	V1031	20													38																
Peg	U	ST	22s		28			28			27			27			27			27											
Peg	BH	90					23																								
Peg	CG	90												73								74									
Peg	DI	ST				22s	28					27					25														
Peg	DK	ST							23s																						
Per	ST	ST		36								30									25										
Per	AG	20				24s		26s		29s		32s		35s		38s		41s		44s		46s									
Per	AG	20					24		27		29		32		35		38		41		44		47								
Per	AR	90	46	31	59	44	29	57	42	27	55	40	25	53	38	23	51	36		48	34		46	31		44	29		42	27	
Per	IQ	ST						39s							36s							34s							31s		
Per	IQ	ST					59		34					57		31					54		28					51		26	
Per	beta	ST								46			32																		
Psc	RY	90					22									23															
JD	548	..	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	

2009 Februar			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Psc	SS	90	26		28		29		31		32		34		35			23		24		26		27		29		30		31
Sge	SY	ST																					73s							
Ser	VY	RR	75			61		75			61		75			61		75			61					60				
Ser	AN	90	61	66	70	75							53	58	62	67	71	75							54	58	63	67		72
Ser	BH	90	58		75	62			66	53		71	58		75	62	49		66	53		70	57		74	61	48		65	52
Sex	T	90	47	44	41	39	36	34+	63	61	58	56	53	50	48	45	43	40	38	35	32	30+	60	57	54	52	49	47	44	42
Tau	RW	ST		42																									34	
Tau	CD	ST		30					45s							32s					47							34		
Tau	EN	20								57					52						48				43					39
Tau	HU	ST	40	43s	46	49s	51																							
Tri	X	ST		43	40	37	34	31	28	25	23																			
Tri	UX	90							23																					
UMa	W	ST	30+	31+	31+	31+	31+	31+	31+	31+	31+	31+	31+	31+	32+	32+	32+	32+	32+	32+	32+	32+	32+	32+	32+	33+	33+	33+	33+	33+
UMa	RV	RR	63	57	51	44	38	31	72	65	59	53	46	40	34	27+	68	61	55	48	42	36	29	70	63	57	51	44	38	31
UMa	TU	RR	63	75		42	53	65		32	44	55	67		34	46	57	69		36	48	59	71	26	38	50	61	73	28	40
UMa	TX	ST											23			29			35			42				48		54		
UMi	W	ST			68		38					48					59		29			69		39					50	
Vir	ST	90	73	55		60		66		71	53		59		64		69	52	75	57		62		68	50	73	55		61	
Vir	AH	ST	41+	43+	45+	47+	49+	51+	53+	54+	56	58s	40+	42+	43+	45+	47+	49+	51+	53+	55s	36+	38+	40+	42+	44+	46+	48+	49+	51+
Vir	AT	90		51	56	62	67	72						50	55	61	66	71						49	54	59	65	70		
Vir	AV	90	68		65		62		59		56		53		51		48		45		42	73		70		67		64		61
Vul	Z	ST																68											72s	
Vul	BN	90									74				71			68			65			62						
Vul	DR	20							70									70								71				
Vul	EV	20																		71										
JD	548	..	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91

2009 März			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
And	RT	ST			68	31+				71	66s	29+				69s	32+					66	29+					64s	58				67s
And	SW	RR			27																												
And	XX	90					32								27																		
And	XZ	ST													31																		
And	OV	90					33	27								27										68							68
Aql	AA	RR																															
Aql	KO	ST													65																		
Aql	KP	ST												58					63s					68									
JD	548	..	92	93	94	95	96	97	98	99																							
JD	549	..									00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22

2009	März	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Aql	OO	ST					65	66	67	69	70											61s	63s	64s	65s	67s	68s						
Aql	V341	90																															
Aql	V346	ST	69									65																65					
Aql	V1353	20	68				64s							71s					66					61s					57				
Aql	V1430	20	66						65							64								63							62		
Ari	X	RR		25										32																			
Ari	SS		34s								27s	28	30s	31																			
Aur	TZ	90	30	48	26	44	61	40	57	35	53	31	49	27	45		40	58	36	54	32	50		46		41	37	55	33	51		46	
Aur	EM	20							44s	35																			39	30s			
Aur	KU	20	47			43					39				35																		
Boo	RS	RR	46	59	72	47	61	36	49	62	38	51	64	40	53	66	42	55	68	44	57	32+	45	59	34	47	60	36	49	62	38	51	64
Boo	TW	90	51	58	64	70			37	43	49	56	62	69		35		41	48	54	61	67			33	40	46	53	59	66		32	
Boo	UU	90	39		67	58	50	41		70	61	52	44			64	55	47	38		66	58	49	41		69	60	52	43	35		63	54
Boo	UY	90		62		57		52		47	43				38	68	63		59		54		49		44	40			35	65		60	
Boo	AC	20	38+	43+	49+	37+	43+	31+	37+	42+	31+	36+	42+	30+	36+	42+	30+	35+	41+	29+	35+	41+	29+	35+	40+	46+	34+	40+	46+	34+	40+	45+	33+
Boo	CM	90	54			59		41	63		46	68		50		55			38	60		42	64		47	69	51		34	56		39	
Boo	CQ	90	64	48	61	46	58	43+	56	69	53	66	50	63	48	60	45	58	42	55	40+	52	65	50	62	47	60	44	57	42	54	39+	52
Boo	CS	90	60	71		37	48	59	69		35	46	57	67		44		55	65			42	53	63		40	51	61		38		49	
Boo	CV	20	47s		59	44	71s	55s	40s	67	52	36	64s	48s		60	45		56s	41s	68	53	38	65s	49s	34s	61	46		58s	42s	54	
Cam	SV	ST	27+	46	34+	53s	42+	31+	50s	39+	28+	46s	35+	54	43s	32+	50	39+	28+	47	36+	54s	43	32+	51s	40	29+	47s	36+	55	44s	33+	52
Cnc	RW	90	33	43	52	62		26	35	45	54	64		28	37	47	56			30	39	49	58			32	41	50	60		34	43	
Cnc	TT	90		35	48			30	42	55			37	49		31		44				38	51			33	45			40			
Cnc	WY	ST		51	34				48	31				46	29			61	44				58	41				56	39			54	
Cnc	AQ	90			32	41	51				35	45	54			29	38	48				32	42	51			35	45					
CVn	W	90	42	53	63			39	49	60	70		35	46	56	66		32	42	53	63		29	39	49	60		35	46	56	67		
CVn	Z	90		43		39	70	35	66	32	62	28	58		55	51			47		43		39		35	66	32	62	59		55		
CVn	RS	ST			49s					29s	69					49						28		68s				62	48s				
CVn	RZ	90	68		38	51	65		35	49	62		32	46	59	30		43	56	70		40	54	67		37	51	64	35	48	62		
CMa	R	ST	32								27																	31					
Cas	RZ	ST	27	47	66					44	64					42	61					39	59					37	57				
Cas	TV	ST			34							59		41								66											53
Cas	TW	ST		28	71			57			43			28	71			57				42						57			42		
Cas	AB	ST	72s	41		46s		51		56s	61		29s	66s	34	71	39s	60	44		49s		54		59s	64	33s		38		43s		
Cas	IL	20								70																						41	
Cas	IT	20												29s																			
Cas	IT	20		35								28																			62		
Cas	OX	20				30																											
Cas	PV	20		72s																													
JD	548	..	92	93	94	95	96	97	98	99																							
JD	549	..									00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22

2009	März	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Cas	PV	20		55		30					56		31				56		31					56		31							56			
Cas	V381	20	73					71							70								68							66						
Cas	V459	20												32s																						
Cas	V459	20															61																			
Cep	U	ST			42						40				39										36						35					
Cep	RZ	90	51	43	36+	28+	52	45	37+	30+	53	46	38+	31+	54	47	40+	32+	56	48	41	33+	57	49	42	35+	58	51	43	36+	59	52	44			
Cep	VW	ST	25+	37+	34+	32+	29+	26+	38+	35+	33+	30+	27+	39+	36+	34+	31+	28+	40+	37+	34+	32+	29+	41+	38+	35+	33+	30+	42+	39+	36+	34+	31+			
Cep	XX	ST	61					28	45s	62					29	46s	63					31	47s	64					32	49s	66					
Cep	ZZ	ST		70									27		41	55													40		55					
Cep	AI	20		71													50s		61																	
Cep	CW	20		61s		34s																			44s											
Cep	CW	20	27					72			45								64										56							
Cep	EX	20																							43											
Com	S	90		44	61		37	54	71	30	47	65		41	58		34	51	69		45	62		38	55		31	49	66		42	59				
Com	ST	90		40	60		40	60		39	59		39	59		38	58		38	58		37		57		37	56		36	56		36	55			
CrB	U	ST																							63									53		
CrB	RV	90	62	62	61	61	60	60	59	59	58	58	57	57	56	56	55	55	54	54	53	53	52	52	51	51	50	50	49	49	48	48	48	47		
Crt	W	90	54					49					43		49						43					44								38		
Cyg	Y	ST	73			72			72							71																				
Cyg	UY	RR			66					71					64													61						58		
Cyg	XZ	RR	53	47				67	60	53	47				67	60	53	47	47	40			67	60	53	46	40		66	60	53	46	40	40		
Cyg	BO	20																							59											
Cyg	CV	20								71s	69s	68s	66s	64s	63s	61s	59s	58s	56s	54s	53s															
Cyg	DM	RR			71			65						68															64						58	
Cyg	V463	20																																		
Cyg	V477	20														60											64									
Cyg	V477	20									61s																									
Cyg	V548	ST	57									59																								
Del	DX	90				70																														
Dra	RR	ST											71			55																				63
Dra	RW	RR	51	39	72	61	49	38	71	59	48	36	69	58	46	35	68	57	45	34	67	55	44	32	65	54	42	31	64	52	41	30	62			
Dra	SU	RR		47		45		43		41		40		38	70	36	68	34	66	32	64	30	62		60	59		57		55				53		
Dra	SW	RR	72	29	43	57	71	27	41	55	69		40	54	68		39	53	67		38	52	66		36	50	64		35	49	63			34		
Dra	TW	ST									58					39													43							
Dra	TZ	ST	62	49					68	55						61	48																			
Dra	UZ	ST	71		34s			60s					49					38s								53								43s		
Dra	VZ	90	30+	27+	55	51	48	44	40+	37+	33+	29+	58	54	50	47	43	39	36+	32+	28+	57	53	49	45	42	38	34+	31+	59	55	52	48			
Dra	WW	ST		50							44s							39																		
JD	548	..	92	93	94	95	96	97	98	99																										
JD	549	..									00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22			

2009	März		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Lyr	EZ	RR					56	61	66	71							54	59	64	69						47	52	57	62	67							
Lyr	FL	ST						50s	59	68s										48	57s	66										46s	55				
Lyr	IO	90		61				65				54	69											66										47			
Mon	AQ	20				26s					35s																										
Mon	AT	20																																			
Oph	U	ST					59					62																						59s			
Oph	ST	90					65				70	60																							67		
Ori	EW	20					33						27																								
Ori	FT	20				50s																															
Ori	FT	20	33				48																														
Ori	GG	20																																			
Ori	V536	20																																			
Peg	VV	RR																																	67		
Peg	CG	90						69																											65		
Per	Z	ST																																			
Per	ST	ST																																			
Per	AR	90		40			53	38					34																							34	
Per	IQ	ST						29s																													
Per	IQ	ST																																			
Per	beta	ST				39																														41	
Psc	SS	90																																			
Sge	U	ST								67																											
Sge	SY	ST																																			
Ser	VY	RR	60					60					60																							60	
Ser	AN	90						50	55	59	64	68																									56
Ser	BH	90		70	56	43		61	48		65	52																									
Sex	T	90	39	36	34	31	29	26+	56	53	51	48	45	43	40	38	35																				
Tau	RW	ST																																			
Tau	CD	ST																																			
Tau	EN	20					35																														
Tau	HU	ST					27	30s	33	36s	39	42s																									
Tri	X	ST																																			
UMa	W	ST	33+	33+	33+	33+	33+	33+	34+	34+	34+	34+	34+	34+	34+	34+	34+	34+	34+	35+	35+	35+	35+	35+	35+	35+	35+	35+	35+	35+	35+	35+	35+	35+	36+		
UMa	RV	RR	25+	65	59	53	46	40	33	27	67	61	55	48	42	36	29																			67	
UMa	TU	RR	51	63		30	42	53	65		32	44	55	67		34	46																			63	
UMa	TX	ST	60				67																														
UMi	W	ST					60	30					40																								
Vir	ST	90	66	48	72	54		59		64	47	70	52																							65	
JD	548	..	92	93	94	95	96	97	98	99																											
JD	549	..										00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22			

2009 März			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Vir	AH	ST	53	35+	37+	38+	40+	42+	44+	46+	48+	50+	31+	33+	35+	37+	39+	41+	43+	44+	46+	48+	30+	32+	33+	35+	37+	39+	41+	43+	45+	47	49s		
Vir	AT	90			43	48	53	58	64						42	47	52	57	63						41	46	51	56	62						
Vir	AV	90		59		56		53		50		47			44		41	38	69	35	66		64		61		58		55		52			49	
Vul	Z	ST				63											68s																	64	
Vul	BN	90						70				67					64	61			58			55							68				
Vul	DR	20					63s										64s								64s										
Vul	DR	20						71																											
Vul	EV	20						64									70s									57									63s
JD	548	..	92	93	94	95	96	97	98	99																									
JD	549	..								00	01		02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21		22	

2009 April			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
And	RT	ST	61s	56				64s	59	53s				62	56s	51			65	59s	54				63s	57	51s			60	54s					
And	XX	90																								64										
And	XZ	ST	31																																	
And	AB	ST						67			66	66	65	65	64	64	63	63	63	62	62	61	61	60	60	60	59	59	58	58	57	57				
And	OV	90																	62							62										
Aqr	SW	RR						66																							62					
Aqr	SX	90														63																	63			
Aql	AA	RR		66				64																		64					62					
Aql	KO	ST					57																			61				48						
Aql	KP	ST								52										62																
Aql	OO	ST						56s	58s	59s	60s	62s	63s	64s	66s																	58	59	61	62	63
Aql	V341	90								63												61												59		
Aql	V346	ST	67										63											59												
Aql	V1353	20				64s					59																					57				
Aql	V1430	20					61							60																		58				
Aur	TZ	90		42				34	51		47		43		39		35				48		44		40		36						45			
Aur	EM	20							41s	32											34s											36				
Aur	KU	20			46				42					38			34																			
Boo	RS	RR	40	53	66	42	55		43	57	32	45	59	34	47	60	36	49	62	38	51	64	40	53		41	55			43	57		45			
Boo	TW	90	38	45	51	58	64				37	43	50	56	62					35	42	48	54	61						40	46	53	59			
Boo	UU	90	46	37		66	57	48	40			60	51	42	34		62	54	45	36				56	48	39				59	50	42				
Boo	UY	90	56		51		46		42		37		32	62		58		53		48		43			39		34	64		59		55				
Boo	AC	20	39+	45+	33+	39+	44+	33+	38+	44+	32+	38+	44+	32+	37+	43+	49	37+	43+	48s	37+	42+	48	36+	42+	48s	36+	41+	47	35+	41+	47s				
Boo	CM	90	60		43	65		48			52		35	57		39	61		44			49				53		36		58		40	62			
Boo	CQ	90	36+	49	62	46	59	44	56	41	54	38	51	36+	48	33+	46	58	43	56	40	53	38	50	35+	48	60	45	58	42	55	40				
JD	549	..	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52				

22

2009	April	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Boo	CS	90	59			36	47	57			34	45	56	66			43	54	64			41	52	62		39	50	60			37	
Boo	CV	20	39	66s	50s	35s	62	47	32	59s	43s		55	40		51s	36s	63	48	33	60s	44s		56	41		53s	37s	64	49		61s
Cam	SV	ST	41s	59s	48	37+	56s	45	34+	52s	41	60	49s	38	56	45s	34+	53	42s	60s	49	38s	57s	46	35s	54s	42	61	50s	39	58	47s
Cnc	RW	90	52				35	45	54				37	47					39	49					41	51					43	
Cnc	TT	90		34	47				41				36					43													39	
Cnc	WY	ST	36				51	34				49	32				46									42					39	
Cnc	AQ	90	39	48				32	42					36	45					39						42					36	
CVn	W	90	32	42	53	63			39	49	60			36	46	56				43	53	63			39	49	60		36	46	56	
CVn	Z	90	51		47		43		39		36	66	32	63		59		55		51		47		43		40		36		63		
CVn	RS	ST								48s												47										
CVn	RZ	90	32	45	59			42	56			40	53			37	50	64		34	47	61			45	58		42	55			
Cas	RZ	ST	35	54					32	52						49												45	64			
Cas	TV	ST	35							60												47										53
Cas	TW	ST					56			42							56										56					42
Cas	AB	ST	48		53s		58		63s			36s		41		46s		51		56s		61			35		40s		45		50s	
Cas	IL	20						31																	57						47	
Cas	IT	20				67s				57s																						
Cas	OX	20						66					64									62						57				
Cas	PV	20		31					56							56														57		
Cas	PV	20	48s							48s							48s							48s						57		48s
Cas	V381	20				65								63												62					60	
Cas	V459	20																									61s					
Cas	V459	20			53																											
Cep	U	ST			33					32																	44					
Cep	RZ	90	37	60	53	46	38	31+	54	47	39	32+	55	48	41	33+	57	49	42	34+	58	50	43	36	59	52	44	37	60	53	46	38
Cep	VW	ST	43+	40+	37+	35+	32+	43+	41+	38+	36+	33+	44+	42+	39+	37+	34+	45+	43+	40+	38+	35+	46+	44+	41+	39+	36+	47+	45+	42+	40+	37+
Cep	XX	ST			33s	50	67s					34s	51														37s	53				
Cep	ZZ	ST												40		54														39		53
Cep	AI	20					51		62s																			64				
Cep	CW	20								47												39							58			
Cep	CW	20	63s			36s										55s										46s						
Com	S	90	35	52			46	63		39	56		32	50			43	60		36	54				47	64		40			51	
Com	ST	90	35	55		35	54		34	54		33	53						52						51			51			50	
CrB	U	ST							44																							
CrB	RV	90	47	46	46	45	45	44	44	43	43	42	41	41	40	40	39	39	38	38	37	37	36	36	35	35	34	34				
Crt	W	90	44					39		45											39						34					40
Cyg	UY	RR				62				55																			49	61		
Cyg	XZ	RR			66	60	53	46	40			66	60	53	46	39	33							39			59	53	46	39		
JD	549	..	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52

2009	April	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
Cyg	BO	20				64							66																					
Cyg	BR	ST																			40				39					39				
Cyg	CV	20										64s	62s	60s	59s	57s	55s	54s	52s	50s	49s	47s	45s	44s	42s									
Cyg	DM	RR				62			56		66			59			53					57			51		61			55				
Cyg	V463	20			59																													
Cyg	V477	20																			51s						55s							
Cyg	V477	20																														54		
Cyg	V548	ST					67		48												50						53							
Del	DX	90								61											65	59					63	57						
Dra	RR	ST			36																52				35									
Dra	RW	RR	51	40		61	50	38		60	48	37		58	47	36		57	46	34		56	44		54	43		64	53	41				
Dra	SU	RR		51		49		47		45		44		42		40		38		36		34		64		63		61		59				
Dra	SW	RR	48	62		33	47	61		32	46	59			44	58			43	57			42	56		41	55			39	53			
Dra	TW	ST						65			46													49										
Dra	TZ	ST		66	53	40					59	46				65		52	39					58	45						51	38		
Dra	UZ	ST			32s			58s					47				36s			62s					52						41s			
Dra	VZ	90	44	41	37	33+	62	58	54	51	47	43	39	36	32+	60	57	53	49	46	42	38	35	63	59	56	52	48	45	41	37			
Dra	WW	ST	59							54s						48								43s						37				
Dra	XZ	RR			65	60	56	51	46	42	37	32			66	61	56	52	47	42	38					62	57	52	48	43	38			
Dra	AI	ST					35	55					34	54											53							52		
Dra	BK	90	55		33	51			47	65		43	61		39	57		35	53			50			46	64	42	60		38	56			
Equ	S	ST																											59					
Gem	RR	90	37		36		34		33		32							47		45		44			43		41	40		39		37		
Gem	SZ	90	36	36	36	36	36	37	37	37	37	38	38	38	38	39		39	39	39	40	40	40	40	40	40	41	41	41	41	42	42		
Gem	YY	ST	36		39s		43		46s		50			35s		39		42s		46					34		38s		41					
Her	RX	ST					67s									57s								57	46s							57s		
Her	TW	RR		62		62	42	62	41	61	41	61	41	61	41	61	41	61	40	60	40	60	40	60	40	60	40	60	39	59	39	59		
Her	TX	ST	44	47s	50	53s	56	59s	62	65s																								
Her	UX	ST			50			60																										
Her	VX	RR	51	42			61	52	43			62	53	44			63	54	45			63	54	46	37	64	55	46	38					
Her	VZ	90	43		63	51	39		59	47	35		56	44		64	52	40		60	48	36			56	45		53	41		61	49		
Her	AK	ST	61	45+	50s	56	61s	45+	51	56s	62	46	51s	57	62s	46s	52	57s	41+	47	52s	58	42+	47s	53	58s	42+	48	53s	37+	43	48s		
Her	AR	90	60	54	48	42	36			65	59	53	47	41	35			64	58	52	46	40	34			63	57	51	45	39				
Her	V842	20	49	33+	38+	42+	47s	31+	36+	40+	45+	50s	34+	38+	43+	48	53s	37+	41+	46s	51	35+	39+	44	49s	54	37+	42+	47	52s	36+	40+		
Her	V874	20	41+	43+	33+	35+	37+	39+	41+	44+	33+	35+	37+	39+	42+	44+	33+	35+	38+	40+	42+	44+	35+	38+	40+	42+	44+	46+	36+	38+	40+	42+	44+	
Hya	SZ	90				37								35								34												
Hya	VZ	20				39s																					36							
Hya	WZ	90			34	42					33	41														39								
JD	549	..	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52		

2009	April		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Hya	ET	90	42									33		39										36										
Lac	SW	ST	65	61			66s	62s				63	60			64s	60s	57s		65	61	58		62s	58s	55s		63	59	56				
Lac	CM	ST															52							54				55s						
Lac	CO	20					54s																	51s			59s							
Lac	CO	20	67											47			55															43		
Lac	CZ	90		65	51		67	54				56		59			61	48		64	50			53		55				58	44			
Lac	V345	20										51s														49s								
Leo	Y	ST					50					56												36				42						
Leo	RR	RR	36				53	34				50	41			48	38				55	46	36			53	43	34		50	41			
Leo	SS	RR		55			43	31	56			44		32			45	33				47		34		48		35				49		
Leo	ST	RR	48	44	39	35						56	52	47	43	39	34							56	51	47	42	38	34					
Leo	UV	ST	59s	49	39s		49	39s		49	39s		49	39s		49	39s		49	39s		49	39s	39s	49	39s		49	39s		49	39s		
Leo	AG	20																39																
Leo	AM	ST	38+	48	39+	31+	41	32+	42s	33+	43	34+	44s	36+	45	37+	47s	38	48	39s	49s	40	50	42s	51s	43	34+	44s	35	45	37s	46s		
Lyr	RR	RR		52	66			49	63			46	59			43	56							40	53		50	63	47	60				
Lyr	RZ	90	57	60	62	64	66												42	45	47	49	51	54	56	58	60	63				44		
Lyr	UZ	ST									63		53																	55				
Lyr	CN	90	53		59		65	47		53		58		64	46		52		58		64	46		51		57	63	45		51				
Lyr	EZ	RR			45	50	55	60	65							43	48	53	58	63					41	46	51	56	61					
Lyr	FL	ST	64										44s	53	62s										42	51s	60							
Lyr	HP	LB																					58											
Lyr	IO	90	62			51	66			55			44	59			48	63				52		40	55		44	59				48		
Mon	AQ	20					35s																											
Oph	U	ST			62						65	49s					53s										59s	43				62s		
Oph	ST	90	57				63	53				58				63	53						59	49		64	54			59	50			
Peg	VV	RR																				65	62	60										
Peg	AT	ST																								63								
Peg	BH	90																										63						
Peg	CG	90					65						66	59														61	54					
Peg	DH	RR																								63								
Peg	DI	ST																															63s	
Per	AR	90				32					42		40			38						36												
Per	IQ	ST			39							36											33											
Per	IQ	ST	44s								41s																36s							
Sge	U	ST																																
Sge	SY	ST	66																			59s												
Ser	VY	RR			45		59			45		59				45	59									45		59			44		59	
Ser	AN	90	61	65						39	44	48	53	57	62												36	40	45	49	53	58	62	
JD	549	..	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52		

2009 April			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ser	BH	90	55	42			59	46		63	50	37	54	41			59	46		63	50	37	54	41			58	45		62	49	36
Sex	T	90		51	48	46		43	40	38	35	33							47	44	42	39	37	34								
Tau	RW	ST				33																										
Tau	HU	ST											32s																			
UMa	W	ST	36+	36+	36+	36+	36+	36+	36+	36+	37+	37+	37+	37+	37+	37+	37+	37+	37+	37+	37+	38+	38+	38+	38+	38+	38+	38+	38+	38+	38+	38+
UMa	RV	RR	61	55	48	42	35			63	57	50	44	38			65	59	52	46	40			61	55	48	42	35			63	
UMa	TU	RR			42	53	65		32	43	55			34	45	57			36	47	59			38	49	61		40	51			
UMa	TX	ST							36			43			49				55			62										
UMi	W	ST		52					62		32					43						53				63	34					
Vir	ST	90	47		53		58	40	63	46		51		56	39	62	44		49		55	37	60	42		48	53	35	59	41		
Vir	AH	ST	50	32+	34+	36+	38+	39+	41+	43	45s	47	49s	51	32+	34+	36+	38+	40+	42s	44	45s	47	49s	51	53s	34+	36+	38s	40	42s	44
Vir	AT	90	35	40	45	50	55						34	39	44	49	54							38	43	48	53					
Vir	AV	90		46		43		40		37		34	66		63		60		57		54			51	48	45		42		39		
Vul	Z	ST					55s											59					50					64s				
Vul	BN	90	65			62			59			56			53			50			47				63		60		57			
Vul	DR	20																										48				
Vul	DR	20	64s									65s								65s												
Vul	EV	20										51							56s						62							
JD	549	..	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52

2009 Mai			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
And	RT	ST	49s			63s	58	52s	46			61	55s	49	44s			58s	53	47s	41		61s	56	50s	44		59	53s	47	42s		
And	SW	RR				63				61				59																			
And	TW	ST																						53									
And	XX	90																60								60							
And	XZ	ST																														60	
And	AB	ST	57s	56s	56s	55s	55s	54s	54s	54s	53s	53s	52s	52s	51s	51s	51s	50s	50s														
And	OV	90			62	56							62	56								56						56	51				
Aqr	SW	RR					60						57										59					56					
Aqr	SX	90							60							56							60					56					
Aql	AA	RR		60				58				56			54						61			59				57				55	
Aql	KO	ST																		53			39										
Aql	KP	ST				46						51s				56						61s											
Aql	OO	ST							48s	49s	50s	52s	53s	54s	56s	57s	59s	60s	61s					44	45	47	48	49	51	52	54	55	
Aql	V341	90											58							51				56			61		50				
Aql	V346	ST	54										50	61									46	56									
JD	549	..	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83

2009	Mai		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Aql	V1353	20	52					47s		60					55s					50					45s		57			40		52s		
Aql	V1430	20			57							56								55					54								53	
Aur	TZ	90	41		36							41		37									38			54								
Boo	RS	RR	58		47	60	36	49	62	38	51		39	53		41	55		43	56		45	58		47	60		49		38	51		39	
Boo	TW	90			38	45		51	58					37	43	50	56						42	48	54	61				40	46		53	
Boo	UU	90	62	53	44	36			56	47	38			58	50	41			61	52	44				55	46	38			57	49	40		
Boo	UY	90	50		45		41		36			61		57		52		47		42		38							54		49		44	
Boo	AC	20	35+	41+	46s	52s	40+	46	52	40+	46s	51s	39+	45	51	39+	45s	50s	39+	44	50	38+	44+	50s	38+	43+	49	37+	43s	49s	54s	43+	48	
Boo	CM	90	45		49				54		37	58		41			46						55		37	59		42			47			
Boo	CQ	90	52	37	50	63	47	60	44	57	42	54	39	52	36	49		46	59	44	56	41				48		61	46	59	43	56	40	
Boo	CS	90	48	58			35	46	56				44	54				42	53				40	51	61			38	49	59				
Boo	CV	20	45s		57	42		54s	38s		50		62s	47s		58	43			55s	39s	51			48s		59	44		56s	41s		52	
Cam	SV	ST	36s	54s	43	62	51s	40	58	47s	36	55	44s	62s	51	40s	59s	48	37s	55s	44		52s	41	60	49s	38	56	45s		53	42s	60s	
Cnc	RW	90				36	45					38	47					39						41										
Cnc	TT	90							40																									
Cnc	WY	ST					37																											
Cnc	AQ	90					39																											
CVn	W	90				43	53				39	50	60			36	46	56					53				39	50	60					46
CVn	Z	90	59		55		51		47		43		40		36							59	55					44		40				
CVn	RS	ST		46												46s												45						
CVn	RZ	90	39	53			36	50				47	60			44	58						41	55					49					46
Cas	RZ	ST		42	62					40	59					38	57							55						52				
Cas	TV	ST						60			41																		54					
Cas	TW	ST					56			42																					41			
Cas	AB	ST	55		60s						38	43s		48		53s		59					37s		42	47s		52		57s				
Cas	IL	20							38																									54
Cas	IT	20							59				49																					
Cas	IT	20																		53s														
Cas	OX	20	55										51					49										45						42
Cas	PV	20						53															47											
Cas	PV	20					57	49s								49s																		
Cas	PV	20												57																				
Cas	V381	20			58							57															53							52
Cas	V459	20							36																									
Cas	V459	20															53s																	
Cep	RZ	90	62	54	47	39	63	55	48	41		57	49	42		58	50	43		59	52	44	37	60	53	45	38	61	54	47	39		55	
Cep	VW	ST	48+	46+	43+	41+	38+	49s	47+	44+	41+	39+	36+	48+	45+	42+	40+	37+	49	46+	43+	41+	38+	50	47+	44+	42+	39+	50	48s	45+	43+	40+	
Cep	XX	ST	38	55s							39	56s					40								41	58s						43	59s	
Cep	ZZ	ST												38		52																52		
JD	549	..	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82		83

2009 Mai			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Peg	DH	RR		60	62										59	61										55	57	60						
Peg	DI	ST					62																									60s		
Sge	U	ST							52																	42								
Sge	SY	ST			51s						59s										44								52					
Ser	VY	RR			44		59			44		58			44		58				44		58			44		58			44	58		
Ser	AN	90	37	41	45	50	54	59						37	42	46	51	55	59							38	42	47	51	56	60			
Ser	BH	90		53	40		58	45		62	49	36		53	40		57	44		61	48					57	44				48			
Sex	T	90	43	41	38	35											39	37																
UMa	W	ST	39+	39+	39+	39+	39+	39+	39+	39+	39+	39+	39+	40+	40+	40+	40+	40+	40+	40+	40+	40+				41+	41+	41+	41+	41+	41+			
UMa	RV	RR	57	50	44	37					59	52	46	40				61	54	48	42					41+	41+	41+	41+	41+	59	52		
UMa	TU	RR		41	53				43	55				45	57						47					37	49		39	51	41			
UMa	TX	ST																											38		44			
UMi	W	ST	44					54												45					55									
Vir	ST	90	46		52		57	39		44		50		55	37		43		48		54				41		47		52		40	45		
Vir	AH	ST	46	48s	50	51s	53	55s	37s	39	40s	42	44s	46	48s	50	52s				37s	39	41s		43	45s	46	48s	50			39	41s	
Vir	AT	90		37	42	47	52							36	41	46									40	45								
Vir	AV	90	36							59		56		53	50			47		44		41			39									
Vul	Z	ST		55s					46s					60						51					42					56s				
Vul	BN	90		54			51			49			46		43				40	59					56		53		50		47			
Vul	DR	20																							42s									
Vul	DR	20						49							49										49									
Vul	EV	20				49							55s							60				43					48s					
JD	549	..	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72										83		

2009 Juni			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
And	RT	ST		56	51s	45	39s		59	54s	48	42s			57s	51	46s	40		60s	54	49s	43			58	52s	46	41s			55s				
And	SW	RR				59				57				55				53				51			60	49			58	47						
And	TW	ST																								52										
And	XX	90						56							51						57							52								
And	XZ	ST									53			60															53							
And	AB	ST	60s	59s	59s	58s	58s	58s	57s	57s	56s	56s	55s	55s	55s	54s	54s	53s	53s	52s	52s	52s	51s	51s	50s	50s	49s	49s	48s	48s	48s	47s				
And	OV	90					56	51							56	51								56	50	45			56	50						
Aqr	SW	RR		53						58	50				55	47								53			50									
Aqr	SX	90					53	60						49	56						46	53		60				49	56							
Aqr	HH	90																55								59										
Aql	AA	RR			53					50	59			48	57			46	55					44		53		42	51		59	49	57			
JD	549	..	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99																		
JD	550	..																	00	01	02	03					04	05	06	07	08	09	10	11	12	13

30

2009	Juni		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Cep	XX	ST					44s							45s							46s							47s					
Cep	ZZ	ST												51															50				
Cep	AI	20	55																	45		57s											
Cep	CW	20							52												43												
Cep	CW	20			40s								59s											50s									
Cep	EX	20																										48					
Com	S	90		53			46			40				50			43								47		41						
Com	ST	90	44			44			43			43			42			41			41				40		40				39		
CrB	U	ST								58															39								
CrB	RV	90	49	48	48	47	47	46	46	45	45	44	44	44	43	43	42	42	41	41	40	40	39	39	38	38							
Cyg	Y	ST								60				60			60			59			59			58			58			58	
Cyg	UY	RR		50				42	55				47	59			40			52			44	56			49			41	53		
Cyg	XZ	RR	45	39				59	52	45	39				59	52	45			39			59	52	45	38			58	52	45	38	
Cyg	BO	20		60									38								40												
Cyg	CV	20												59s	57s	56s	54s			52s	51s	49s	47s	46s	44s	43s	41s	39s	38s				
Cyg	DM	RR		56	40		50		60	44		54	38		47	57			41		51			45	55	39		49		59	43		
Cyg	V463	20												47		59															41		
Cyg	V477	20					45s							49s														57s					
Cyg	V477	20		40							44								48						52							56	
Cyg	V548	ST			44									46										49								52	
Del	DX	90	55	49	44						58	53	47	42							56	51	45	40				60	54	49	43	38	
Dra	RR	ST							48																	47							
Dra	RW	RR		52	41			51	39			49	38		59	48				58	46			57	45		55			54	42		
Dra	SU	RR			59		57		55		53		52		50		48			46		44		42		40		38					
Dra	SW	RR	43	57			42	56			41	55			40	54				39	52				51			50				49	
Dra	TW	ST				60			40															44									
Dra	TZ	ST	42						48						54	41											47			53	40		
Dra	UZ	ST							54					44s													59				48s		
Dra	VZ	90	44	40				57	54	50	46	42	39			60	56						52	49	45	41	38		59	55	51		
Dra	WW	ST					41s																						48	44	40	56s	
Dra	XZ	RR			59	55		50	45	41						60	55			51	46	41					56	51	47	42			
Dra	AI	ST					49						48								48					47					46		
Dra	BK	90	53			49			45			41	60			56				52			48			44		40	58		55		
Equ	S	ST																						57					44				
Her	RX	ST	59	48s							59s	48									60	49s					60s	49	38s				
Her	TW	RR	56		56		56		55		55		55		55		55			54		54		54		54		54		53		53	
Her	TX	ST							38	41s	44	47s	50	53s	56	59s																	
Her	UX	ST				46			55												40			49			59						
JD	549	..	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99															
JD	550	..																	00	01	02	03	04	05	06	07	08	09	10	11	12	13	

2009	Juni		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Her	VX	RR	53	44				54	45				55	46				55	46	38			56	47	38			57	48	39				
Her	VZ	90		52	40		60	48			56	44			52	40			49			57	45			53	41			49	38			
Her	AK	ST	52	57s	41s	47	52s	57	42	47s	53	58s	42s	48	53s	58	43	48s	53	38+	43s	49	54s	38+	44	49s	54	39+	44s	49	55s	39+		
Her	AR	90			58	52	46	40					57	51	45	39						56	50	44	38					55	49	43		
Her	LV	20											49s																					
Her	V842	20	46	51s	55	39+	44s	49	53s	58	42	47s	52	56s	40s	45	50s	54	38+	43s	48	52s	57	41	46s	51	55s	39+	44	49s	53	58s		
Her	V874	20	46+	48s	50s	39+	42+	44+	46+	48	50	40+	42+	44+	46+	48s	38+	40+	42+	44+	46+	48	38+	40+	42+	44+	47+	49s	38+	40+	42+	45+		
Lac	SW	ST	59s	55s	51s	48s	44+	56	52	48	45	57s	53s	49s	46s	42+	54	50	47	43+	55s	51s	47s	44+	40+	52	48	45	41+	53s	49s	45s		
Lac	CM	ST			46s					47			48s			49						51s			52				53s					
Lac	CO	20					44				53												41			49					58			
Lac	CO	20	60s											40s		48s					57s													
Lac	CZ	90		58	44		60	47				49		52	38		54	41		57	43		59	46			48				51			
Lac	V345	20								44s															42s									
Lac	V364	20							58																									
Leo	RR	RR	43					41					39																					
Leo	ST	RR						44	40											39														
Leo	UV	ST		40			40			40			40																					
Leo	AM	ST		39s		40		41s												38s														
Lyr	RR	RR				45	58			41	55			38	52					48			45	59			42	55			39	52		
Lyr	RZ	90	41	44	46	48	50	53	55	57	59													40	42	44	46	49	51	53	55			
Lyr	UZ	ST	59		48																	50		39										
Lyr	CN	90	42		48		53		59	41		47		53		58	41	51	56			52	58	40		46	49	54	59	57	39			
Lyr	EZ	RR			38	43	48	53	58					43s	52	60s										41	50s	58						
Lyr	FL	ST																																
Lyr	IO	90		38	53			42	57			46				50			38	54			42	58			46					50		
Oph	U	ST	49					52					55	39s				59	43s					46s					49s					
Oph	ST	90				52	42			58	48	38			53	43			58	48	39				54	44		59	49	39				
Peg	U	ST			58s			58s			58s				57s		57s						57s	51		57s	50		57s	50		56s		
Peg	VV	RR		60	58	56	53	51	49	46															60	58	56	53	51	49	46	44		
Peg	AT	ST		60															50							52								
Peg	AV	RR																		60									58					
Peg	BH	90		53							58		50														60	53		45				
Peg	CG	90	58	51	45					58	52	45				59		53	46	39				60	53	47	40				54			
Peg	DH	RR		52	54	56	58	60							50	53	55	57	59						47	49	51	53	56	58	60			
Peg	DI	ST				58						56				55											51	58s				49		
Peg	DK	ST																		59s									56					
Per	AR	90																						60				58			55			
Per	IQ	ST																					59							56				
JD	549	..	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99																
JD	550	..																	00	01	02	03	04	05	06	07	08	09	10	11	12	13		

2009 Juni			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Psc	RY	90																60								60							
Psc	SS	90						59		60												55		57		58		60					
Sge	U	ST			57																	47											
Sge	SY	ST		60									44s						52s							60s							
Ser	VY	RR		44			58			43				43					43										43				
Ser	AN	90							39	43	48	52	56							40	44	48	53	57							40		
Ser	BH	90	52	39			56	43		60	47			51	38		56	42			47		51	38		55	42			46			
Tri	X	ST														58																	
Tri	UX	90																							57							57	
UMa	W	ST	41+	41	42	42	42	42	42	42	42	42	42	42	42	42	43	43	43	43	43	43	43	43	43	43	44	44	44	44	44	44	
UMa	RV	RR	46	39						54	48	42					56	50				44		59	52	46	39				54	48	
UMa	TU	RR						43					45				47									39					41		
UMa	TX	ST	50																														
UMi	W	ST				46						56											47					58					
Vir	ST	90		50				38		43		49				42			47				40		46				39		44		
Vir	AH	ST	43	45s	47						38s	40		41s	43	45s						38s	40	42s									
Vir	AT	90		39	44																												
Vir	AV	90							49		46		44				41		38														
Vul	Z	ST			47						38	60s														56					47		
Vul	BN	90		44			41		60		38	57			54				51			48		45		42			39	58			
Vul	DR	20		50										50												50						51	
Vul	DR	20	42s									42s													43s					43s			
Vul	EV	20			54									59s		41s							47						53s				
JD	549	..	84	85	86	87	88		89	90	91	92	93	94	95	96	97	98	99														
JD	550	..																		00	01	02	03	04	05	06	07	08	09	10	11	12	13

2009 Juli			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
And	RT	ST	49s	44	38s		58	52s	47	41s			56s	50	44s	39		59s	53	47s	42		56	51s	45	39s	59	54s	48	42s	37		
And	SW	RR	56	45			54				53					51		60	49			58	47		56	45		54	43				
And	TW	ST																								38			50				
And	XX	90		58			47					53					59			48					54			43	60			49	
And	XZ	ST																										40					
And	AB	ST	47	46	46	45	45	45	44	44+	43+	43+	42+	42+	42+	41+	41+	40+	40+	39+	39+	39+	38+	38+	37+	37+	36+	36+	36+	52s	51s	51s	50s
And	OV	90	45						56	50	45	39				56		50	45	39					61		56	50	45	39		62	56
Aqr	SW	RR	55	47				60	52	44				57	49	41				54	46	38				60	51	43			57	49	40
Aqr	SX	90			46	53		60					42	49	56					38	46	53						42	49	56			
Aqr	HH	90					50				53								57									42	49	56			
JD	550	..	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44

2009	Juli		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Her	RX	ST			60	49s	38						61s	50	39s						61	50s	39							50	39s				
Her	TW	RR	53		53		53		52		52		52		52		52		51		51		51		51		51		50		50		50		
Her	TX	ST											37	40s	43	46s	49		52s	55	58s	61													
Her	UX	ST					43				53											37		47			57								
Her	VX	RR	58	49	40			59	50	41			51	42					52	43				53	44				45	36					
Her	VZ	90	58	46			54	42			50	38	59	47				55	43			51	39	59	47			56	44				52		
Her	AK	ST	44	50s	55	40	45s	50	56s	40s	45	51s	56	40	46s	51	57s	41s	46	52s	57	41	47s	52	36	42s	47	53s	37s	42	48s	53	37		
Her	AR	90				60	54	48	42					59	53	47	41					58	52	46	40				57	51	45		39		
Her	LV	20				46																													
Her	V842	20	42	47s	51	56s	40s	45	50s	54	38+	43s	48	52s	57	41	46s	50	55s	39+	44	49s	53	37+	42s	47	51s	56	40+	45s	50	54s	38+		
Her	V874	20	47+	49s	38+	41+	43+	45+	47+	49	39+	41+	43+	45+	47+	37+	39+	41+	43+	45+	47+	37+	39+	41+	43+	46+	48+	37+	39+	41+	44+	46+	48+		
Lac	SW	ST	42+	38+	50s	46s	43+	39+	51	47	43+	40+	52s	48s	44+	41+	37+	49	45+	41+	38+	50s	46s	42+	39+	51	47	43+	39+	36+	48s	44+	40+		
Lac	CM	ST	54				55s				56												60s	40		61		41s			62s	43			
Lac	CO	20											46				54														42				
Lac	CO	20		45s			53s															41s		50s		58s									
Lac	CZ	90	53	40		56	42		58	45			47			50			52	39		55	41		57	44		60	46		62	49			
Lac	V345	20																																	
Lac	V364	20				39s																					45s								
Lyr	RR	RR					49				46	59					43	56					50	53				60			43	57			
Lyr	RZ	90	58	60													38		40	42	45	47	49	51	54	56	58	60							
Lyr	UZ	ST							52		42																55		44						
Lyr	CN	90	45		51		56	39		44		50		56	38	61	44		49		55	37	61	43		49		54	37	60	42		48		
Lyr	EZ	RR					42	47	52	57							40	45	50	55	60				38		43	48	53	58					
Lyr	FL	ST					39	48s	56																							43s		52	
Lyr	IO	90		39	54			43	58			47				51							43	59		47			36	51					
Oph	U	ST		52s					55s	39					42						46					49						36s			
Oph	ST	90	54	45				50	40			55	45			51		41				46					51	41			47	37			
Peg	U	ST	50		56s	50		56s	50		56s	50		56s	49		56s	49	49		55s	49	43+	55s	49	43+	55s	49	42+	55s	49	42+	55s	48	
Peg	VV	RR	42	39												60	58	56	53	51	49	47	44	42	40	37									
Peg	AT	ST			54						42		57									44	44	59					46	61					
Peg	AV	RR						56							59	54			49			61			56	52		47			59		54		
Peg	BH	90				58		50		42									40			60			53	45		37			58		50		
Peg	CG	90	47	41					55	48	42						55	49	42						56	49	43	36			57	50	44	37	
Peg	DH	RR			43	46	48	50	52	54	57	59	61			42	44	46	49	51	53	55	57	60	62	38	41	43	45	47	50	52	54		
Peg	DI	ST	56s				48	55s				46	53s	60		44		51s	58			43	49s	56		41	48s	54	61s		39	46s			
Peg	DK	ST						54									51s				59					49					57s				
Per	Z	ST										53			58																				
Per	ST	ST																56								50									
JD	550	..	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44		

2009 Juli			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Per	AG	20																		56s	59s														
Per	AG	20																			57		59		62										
Per	AR	90		53										60				58			56		51	53			51			49		62	47		
Per	IQ	ST											54								49							46							
Per	IQ	ST					59s						57s								54s					51s									
Per	beta	ST							56																								50		
Psc	RY	90			55									55	61							50	56			51				51	56	62			
Psc	SS	90						52		53		55		56		58		59		60		48		50		51		53		54		55			
Sge	U	ST																		51															
Sge	SY	ST					45s						53s								61s		38						46						
Ser	VY	RR		43						43					42					42					42				42						
Ser	AN	90	45	49	54								37	41	46	50									37	42	46								
Ser	BH	90	50							46			50	37			41			45			49			40			45						
Tau	RW	ST																												62					
Tri	X	ST																	61	58	56	53	50	47											
Tri	UX	90							58						58	51								58	52					59	52	45			
UMa	W	ST	44	44	44	44	44	45	45	45	45	45	45	45	45	45	45	45	45	46															
UMa	RV	RR	41					56	50	44															54	48	41				56	50	44		37
UMa	TU	RR																				37													
UMa	TX	ST																																	
UMi	W	ST			38					48													39				50							60	
Vir	ST	90							42							41								39						37					
Vir	AH	ST	38s	40									37																						
Vir	AV	90			43																														36
Vul	Z	ST											52																						
Vul	BN	90	55			52			49			46			43				41	59		38	56			53		51			48				
Vul	DR	20								51											51														
Vul	DR	20							44s																		44s								
Vul	EV	20					58s				40s						46								51s								57		
JD	550	..	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44		

2009 August			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
And	RT	ST	63s	57	51s	46	40s		60	54s	49	43s	37	63	58s	52	46s	41	35s	61s	55	49s	44	38s	32+	58	52s	47	41s	35	61	56s	50	
And	SW	RR	52	41		62	50	39		60	48	37		58	46	35		56	44	33		54	42		64	52	41		62	50	39			
And	TW	ST	62																										36				48	
And	XX	90			38		55			44		61			50			39		56			45		62	34		51			40			
JD	550	..	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	

38

2009	August		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																																															
Cas	AB	ST	50		55s		60		57			38s		43		48s		53		58s		63		37		42s		47		52s																																																		
Cas	IL	20	47s				36s				62				59				57				55				53																																																					
Cas	IT	20																																																																														
Cas	IT	20																																																																														
Cas	OX	20																																																																														
Cas	OX	20	48		46				60				35		43		60				39		37																																																									
Cas	PV	20	59																																																																													
Cas	PV	20	51s																																																																													
Cas	V381	20	53s																																																																													
Cas	V381	20	37		61		36		59		34		58		32		32				56		31																																																									
Cas	V459	20	40				47s				40				32						48s																																																											
Cas	V459	20																																																																														
Cep	U	ST																			50		48		47		45		44		43																																																	
Cep	RZ	90																	59	51	44	36	60	52	45	38	61	54	46	39	62	55	47	40	33+	56	49	41	34+	57	50	42	35+	58	51	44	36	60	52																															
Cep	VW	ST	46+	44+	41+	39+	36+	47+	45+	42+	40+	37+	34+	46+	43+	41+	38+	35+	33+	44+	42+	39+	36+	34+	45+	43+	40+	37+	35+	32+	43+	41+	38+																																															
Cep	XX	ST	44s				38		54s		34				39		56s		40				57s		41		58s																																																					
Cep	ZZ	ST					48		62						33		47						61		47		61																																																					
Cep	AI	20					38s		50						61s		54s						66		39																																																							
Cep	CW	20					44s		63s						36s		47						66		39																																																							
Cep	CW	20	59				57				54				52		63		50				60		48		58																																																					
Cet	RR	RR																																																																														
Cet	RV	90													61		60						59				58				56		55																																															
Com	S	90													36																																																																	
CrB	U	ST	43																																																																													
CrB	RV	90	51	51	50	50	49	49	48	48	47	47	46	46	45	45					44	44									43	43	42	42	41	41	40	40	39	38	38	37	37	36	36																																			
Cyg	Y	ST	54	53		53		52		59				52		51		63				51		50		50		50		50		50		50																																														
Cyg	UY	RR	49	62		42		54						34		47						39		51		44		56		36		48		60		41		53		65																																								
Cyg	XZ	RR	58	51		45		38						58		51						44		38		63				64		58		44		38		64		58		51		44																																				
Cyg	BO	20	58				60							36								33								38		66		65		41		32		65		32		65																																				
Cyg	BR	ST																																																																														
Cyg	CV	20																																																																														
Cyg	DM	RR									60	44						54		38						48		58		42		58s		61s		60s		58s		55s		53s		51s		50s		48s		46s		45s		43s		41s		40s		38s		36s		35s		33s		37		63		47		57		41				
Cyg	V463	20	42		41		53				46				50				35		47		58		54		59s				58																																																	
Cyg	V477	20																																																																														
Cyg	V477	20	47s																																																																													
Cyg	V548	ST	62		43														44				45								48				56		51		45		40		34																																					
Del	DX	90	52	46					41		35		60		55		49										44		39						58		53		47		42		37		56		51		45		40		34																											
Dra	RR	ST	45						50				51				55										60								61		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75					
JD	550	..																																																																														
40																																																																																

2009	August		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Dra	RW	RR			53	41		63	51	40		62	50	39		60	49	37		59	47	36		57	46	35		56	45	33		55	43			
Dra	SU	RR	37		35					63		61		60		58		56		54		52		50		48		46		45		43				
Dra	SW	RR	39	53			38				36	50	64		35	49	63		34	48	62		33	47	61		32	46	59		44	58				
Dra	TW	ST		54			35											57			38										61					
Dra	TZ	ST				51	37					57	43					63	50	36					56	42				62	49	35				
Dra	UZ	ST			62s					51					40s								55					45s					34			
Dra	VZ	90	43	39	35		60		57	53	49	45	42	38	34	63	59	55	52	48	44	41	37	33+	62	58	54	50		47	43	39	36	32+	60	
Dra	WW	ST				60s								54							49s						43									
Dra	XZ	RR			63	58	54		49	44	40	35			64	59	54		50	45	40	35				64	60	55		50	45	41	36	31		
Dra	AI	ST				43	63					42	62						42	62				41	61					40	60					
Dra	BK	90	52			48			44	62		40	58		36	54			50			46	65		42	61		38	57		35	53				
Equ	S	ST															54							42												
Eri	SV	90									64						63										63					62				
Gem	RR	90															64		63				60													
Gem	YY	ST								64s												64									59				63s	
Gem	V339	20		50																						55				43						
Her	RX	ST					51s	40							51	40s							51s	40									41s			
Her	TW	RR		50		50		49		49		49		49		49		48		48		48		48		48		47		47		47				
Her	TX	ST														36	39s		42	44s	47	50s	53	56s												
Her	UX	ST				41				51														45												
Her	VX	RR		46	37			47	38					47	38						39					40				41	32					
Her	VZ	90	40		60	48	36		56	45			53	41			49	37				45	33		54	42		50	38			46		34		
Her	AK	ST	43	48s	53	38	43s	49		38s	44	49s		39	44s	49	34	39s	44		34s	40		45s		35	40s	45		35s	40	46s				
Her	AR	90				56		50	44	38					55	49	43	37						54	48	42	36				53	47	41			
Her	V842	20	43	48s	52	36+	41+	46	50s	55	39+	44s	49	53s	37+	42	47s	51	35+	40s	45	49s	33+	38	43s	48	52s	36s	41	46s	50	34+		39s		
Her	V874	20	37+	39+	42+	44+	46+	35+	38+	40+	42+	44+	46+	36+	38+	40+	42+	44+	34+	36+	38+	40+	42+	44+	46+	34+	36+	38+	40+	42+	44+	46+	34+	36+	38+	
Lac	SW	ST	37+	49s	45+	41+	37+	50	46+	42+	38+	35+	46s	47+	43+	39+	35+	44s	44+	40+	36+	33+	45+	41+	37+	34+	46+	42+	38+	34+	47+	43+	39+	35+	38+	
Lac	CM	ST			44s					45							47									50				51s					52	
Lac	CO	20															39																			
Lac	CO	20	51			59																47		55		64									59s	
Lac	CZ	90		51	37		54	40		56	42		59	45		61	47	34	64	50	36			52	39		55	41		57	44		60	46		
Lac	V345	20							38s																36s											
Lac	V364	20				39																							45							
Lac	V364	20																																		
Leo	FM	20								63																										
Lyn	CD	20						46									56									66										
Lyr	RR	RR		40	53			37	50			34	47	60			44	57				41	54			37	51	64		34	48	61			31	
Lyr	RZ	90						36	39	41	43	45	48	50	52	54	57	59	61											32	35	37	39		41	
JD	550	..	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75			

2009	August		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Lyr	UZ	ST										57	46		35													59		48		37				
Lyr	CN	90	54	36	59	42		47		53	35	59	41		47			52	35	58	40		46		52	34	58	40		42	47	52	51	33		
Lyr	EZ	RR			36	41		46	51	56	61				34	39		44	49	54	59					32	37		42	47	52	57				
Lyr	FL	ST	61										41s	50	59s											39	48s	57	66s							
Lyr	IO	90	40	55		44		59			48			36	52			40	56			44				33	48		37	52			41			
Oph	U	ST			39					42					45						33s						36s				39s					
Oph	ST	90			42				47	37				43					38					43	34				39					34		
Ori	FT	20																																		
Ori	FT	20																																		
Ori	GG	20																																		
Peg	U	ST	42+	54	48s	42+	54	48s	42+	54	48s	41+	54	48s	41+	54	47s	41+	35+	47s	41+	35+	47s	41+	34+	47+	41+	34+	47+	40+	34+	47+	40+	47		
Peg	VV	RR			63	61	58	56	54	51	49	47	44	42	40	37	35									65	63	61	58	56	54	51	49	47	47	
Peg	AT	ST			49	63					36										39	53						41	56							
Peg	AV	RR		50		45	62		57		52		47		43	60		55		50		45		62	40	58		53		48	65	43	60	38		
Peg	BH	90		42		35	63		55		47		40		60		52		45		37		65		58		50		42		34	63				
Peg	CG	90				57	51	44	38				58	52	45	38			65	59	52	46	39	33		66	60	53	46	40	33		67			
Peg	DH	RR	56	58	35+	37+	39	42	44	46	48	50	53	55	57	34+	36+	38+	40	42	45	47	49	51	54	56	32+	35+	37+	39	41	43	46	46		
Peg	DI	ST	53s	59		37s	44	51s	58		36s	42	49s	56	63s		41	47s	54	61s		39	46s	53	59s	66	37	44s	51	58s	64	36	42s			
Peg	DK	ST		46s				54				62s	44				52s				60	41s				49				57s	39					
Per	Z	ST																										37		43				48		
Per	ST	ST	45																						64									58		
Per	AR	90		60	45		58			56			53		51			64	49		62	47		62	60	45		58	43		56	41		54		
Per	IQ	ST		44											64																59					
Per	IQ	ST	49s							46s						44s														64s		39s				
Per	beta	ST																			57					44										
Psc	RY	90						45	51	57	63					46		52	58	64						40	46	52	58	64						
Psc	SS	90	57	43	58	45	60	46	61	48	63	49	64	51		52		53	40	55	41	56	43	58	44	59	46	61	47	62	48	64	50			
Sge	U	ST			42										56																				46	
Sge	SY	ST			53s							61s		38																						
Ser	VY	RR	42																										54							
Ser	AN	90				38	43									35		39												35	40					
Ser	BH	90	36			40			44				35		39								35				39								34	
Tau	RW	ST																																		
Tau	HU	ST								55s	58	61s	64														54									
Tau	V1125	20		61																																
Tri	X	ST																																		
Tri	UX	90				59	52	46					59	53	46					64	62	59	56	53	50	47	45	42	39							
UMa	W	ST											64s	64s	64s					65s	65s	65s	65s	65s	65s	32+	32+	32+	32+	33+	33+	33+	33+	33+	33+	
JD	550	..	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75			

2009 August			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
UMa	RV	RR					52	46	39						48	41	35					50	43	37						46	39	33	
UMi	W	ST						40					51					61							41					52			
Vir	ST	90				36																											
Vul	Z	ST	38	61s					52s					43s					34s	57					48					39			
Vul	BN	90	45	63		42	61		39	58		36	55			52			49			46			43			40	59		37	56	
Vul	DR	20				52									52									53									53
Vul	DR	20				45s								45s									45s									46s	
Vul	EV	20	39				62s			45s							50							56s			38s						
JD	550	..	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75

2009 September			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
And	RT	ST	44s	39	33+	59s	53	47s	42	36+	30+	56	51s	45	39s	34+	59	54s	48	42s	37+	31+	57s	51	46s	40+	34+	29+	54	49s	43	37+	
And	SW	RR	48	37		58	46	35	67	56	44	33	65	54	42	31	63	52	40	29	61	50	38	27+	59	48	36	69	57	46	34	67	
And	TW	ST			60																									34			
And	XX	90			46		62	35		52		68	41		58	30		47		63	36		53		69	42		58	31		48		
And	XZ	ST				40				47					54			62			33	69			40					47			
And	AB	ST	37+	36+	36+	35+	35+	34+	34+	34+	33+	33+	32+	32+	31+	31+	30+	30+	30+	29+	29+	28+	28+	27+	27+	27+	43+	42+	42+	41+	41+	41+	
And	OV	90	56	50	44	39	33		68	62	56	50	44	39	33		68	62	56	50	44	39	33	27	68	62	56	50	44	39	33	27	
Aqr	SW	RR	55	47	39	31			53	44	36				50	42	33					47	39	30				44	36	28			
Aqr	SX	90	38	45	53					35	42	49	56				31	38	45	53					28	35	42	49					31
Aqr	HH	90	52			39	54			42	56			44			31	46			33	48			35	50			37	52			
Aql	AA	RR	52		33	42	50		31	40	48			29	38	46			36	44			34	42			32	40			30	38	
Aql	KO	ST	50			36																					41			27			
Aql	KP	ST					37					42s					47																
Aql	OO	ST		31s	32s	33s	35s	36s	37s	39s	40s	41s	43s	44s	46s	47s	48s	50s			28	30	31	32	34	35	36	38	39	41	42	43	
Aql	V341	90		45			34	49			38				43			32	48							41			30	46			
Aql	V346	ST	35	46									31	41	52										37	48							
Aql	V1353	20		32s		44					39s		51			34		46s			29s		42						37s				
Aql	V1430	20						38							37							36								35			
Ari	X	RR		53		48							64		60	55			50		46	33+	41	71		67		62		57		53	
Ari	SS		45+	47+	48	50s	51	53s	54	35+	37+	38+	40+	41+	43+	44+	46+	47+	49+	50+	52s	33+	34+	36+	37+	39+	40+	42+	43+	45+	46+	48+	
Ari	AL	20		67				42															41										
Aur	TZ	90		57		53			66		62		58		53	49		67		63		58			54		68	46	63		59		
Aur	EM	20					63s	54	45s								65	56s	47								67s	58	50s	41			
Aur	KU	20				53																69				65				60			
Aur	V432	20				44s		53s			61s											39				48		56					
JD	550	..	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99							
JD	551	..																								00		01	02	03	04	05	

2009	September		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Boo	RS	RR		35			37								29			31		33												27	
Boo	TW	90				34	40							32	39							31	37						29	35			
Boo	UU	90			36					38	30					33					35				38	29					32		
Boo	AC	20	35	41	47	35s	41s		35	40		34s	40s		34	39		33s	39s		33	39		32s	38s		32	38		32s	37s		
Boo	CM	90			31																												
Boo	CQ	90								32			29											28									
Boo	CS	90	33					31					29																				
Boo	CV	20			39s			35			32s					40s				36		33s			29				37				
Cam	SV	ST	42s	31+	49	38s	57s	46	35+	53s	42	31+	50s	39+	58	47s	36+	54	43s	32+	51	40+	29+	47	36+	55s	44	33+	51s	40+	29+	48s	
Cnc	RW	90						67						69						61					63							65	
Cnc	TT	90							67																		70					65	
Cnc	WY	ST																						70					68				
Cnc	AQ	90														68													65				
CVn	W	90			36					33					30										33						30		
CVn	Z	90										33			29											71		68				29	
CVn	RZ	90			36					33				30																			
Cas	RZ	ST	34	53					31	51					29	49	68					46	66						44	63			
Cas	TV	ST		41							67		48		29							54			35							60	
Cas	TW	ST		54			40				68			54			39					68			53			39			68		
Cas	AB	ST	57		62s		67	35s		40		45s		50		55s		61	29s	66s	34		39s		44		49s		54	59s	27		
Cas	IL	20								64							54							44								35	
Cas	IT	20			64s				54s				43s				33s																
Cas	IT	20	49				39																										
Cas	OX	20					51					49					47										44				42		
Cas	PV	20	60		35					60		35					61								61		36					61	
Cas	PV	20		52s							52s							52s							52s						27s		53s
Cas	V381	20				55							53								51									50			
Cas	V381	20					45s															42s										40s	
Cas	V459	20																															
Cas	V459	20																															
Cep	U	ST		41					40					39							37					36						34	
Cep	RZ	90	45	37	61	54	46	39	31+	55	47	40	32+	56	49	41	34+	57	50	42	35+	28+	51	44	36+	29+	52	45	37+	30+	53	46	
Cep	VW	ST	36+	33+	31+	42+	39+	37+	34+	31+	43+	40+	38+	35+	32+	30+	41+	39+	36+	33+	31+	28+	40+	37+	34+	32+	29+	27+	38+	35+	33+	30+	
Cep	XX	ST			42	59s						44									45	62s					29s	46	63s			30s	
Cep	ZZ	ST								32			46		61												31			46		60	
Cep	AI	20		51		62s													30s		41		52s		64								
Cep	CW	20					58			31								49								68			41				
Cep	CW	20	46s								65s			38s								56s				29s							
JD	550	..	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99							
JD	551	..																								00		01	02	03	04	05	

2009	September		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
Her	UX	ST					39															33		43											
Her	VX	RR		42	33					34					35							36			37	28					29				
Her	VZ	90			42	31		51	39			47	35			43	31					40	28			36				44	32		40	28	
Her	AK	ST	41s		31	36s	41			31s	36	42s	31	37s	42		32s	37				32	38s		27	33s	38				28s	33		28	
Her	AR	90	35						46	40	34						45	39	33						44	38	32								
Her	V842	20	44	48s	32+	37	42s	47	30+	35s	40	45s	49	33	38s	43	47s	31s	36	41s	46	29	34s	39	44s	27+	32			37s	42	46s	30s	35	
Her	V874	20	41+	43+	32+	34+	37+	39+	41+	30+	32+	35+	37+	39+	41+	30+	33+	35+	37+	39+	29+	31+	33+	35+	37+	27+	29+			31+	33+	35+	37+	27+	
Hya	ET	90																																71	
Lac	SW	ST	32+	44+	40+	36+	32+	45+	41+	37+	33+	30+	42+	38+	34+	30+	43+	39+	35+	31+	28+	40+	36+	32+	28+	41+	37+			33+	29+	26+	38+	34+	
Lac	CM	ST	32				33s			54s	35			55	36s			57s	37			58		38s		59s	39					60	40s		
Lac	CO	20							30s				39s			47s					56s		64s											35s	
Lac	CO	20	35			43			52			60			69						31				40			48			57			65	
Lac	CZ	90	33	62	49	35	65	51	38	67	54	40			56	43	29	59	45	32	61	48	34		64	50	37	66	53	39	69	55	42	28+	
Lac	V345	20						34s																33s											
Lac	V364	20																			50														
Lac	V364	20							56s																									61s	
Leo	Y	ST											68																						
Leo	RR	RR											68																					68	
Leo	UV	ST																																71s	
Leo	AM	ST																																72s	
Leo	FM	20				55																													
Lyn	CD	20																41																50	
Lyr	RR	RR	44	58			41	55			38	51			35	48					32	45	58	28	42	55							39	52	35
Lyr	RZ	90	44	46	48	50	53	55																37	40	42	44	46			49				
Lyr	UZ	ST															50																		
Lyr	CN	90		39		45		51	33		38		44		50	32		43			44		49	32		37		43			49	31		37	
Lyr	EZ	RR				35	40	45	50	55						33	38		38			48	53				31	36		41	46	51			
Lyr	FL	ST				37s	46	55s																									33s	42	51s
Lyr	IO	90				45			33	49			37	53			41																	26	42
Lyr	U	ST														32s																		26	
Oph	ST	90			40	30				35											36					31								26	
Ori	EW	20							62								56																		
Ori	FT	20											67s																						57s
Ori	FT	20																																	
Ori	GG	20																																	
Ori	V536	20																																	
Peg	U	ST	34+	46+	40+	34+	46+	40+	34+	46+	40+	33+	46+	40+	33+	46+	39+	33+	45+	39+	33+	45+	39+	33+	45+	39+	33+	45+	39+	33+	45+	39+	33+	45+	39+
Peg	VV	RR	44	42	40	37	35	33	30				46+	40+	33+	46+	39+	63	61	58	56	54	51	49	47	44	42	40	37	35	33	30	28	26	
JD	550	..	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99									
JD	551	..																									00	01	02	03	04	05			

2009	September		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Peg	AT	ST			43	58						31	45	60						33	48						35	50						
Peg	AV	RR	55		51		46	63	41	58	36	53		49		44	61	39	56	34	51		46		42	59	37	54	32	49		44		
Peg	BH	90	55		47		39		32	60		52		45		37	65	29	57		50		42		34	62	27	55	47		39			
Peg	CG	90	60	54	47	41	34			61	54	48	41	35			62	55	49	42	35	29			56	49	43	36	30		57			
Peg	DH	RR	48	50	52	54	31+	33+	35+	38	40	42	44	46	49	51	53	30+	32+	34	36	39	41	43	45	47	50	52	28+	31	33	35		
Peg	DI	ST	49s	56	63s	34s	41	47s	54	61s	32+	39	46s	52	59s	30+	37	44s	51	57s	29+	35	42s	49	56s	27+	34	40s	47	54s	61	32		
Peg	DK	ST	65	47s				55	36s			63s	44				52s	34			60	42s			50	31s			58s	39				
Per	Z	ST			54			60			65															42				71				
Per	ST	ST							53								47																	
Per	AG	20																40			43			48		51		54		57		60		
Per	AG	20															39s			42s		45s	48s		51s		54s		56s		59s			
Per	AR	90	39	66	51	37	64	49		62	47		60	45		58	43		56	41	69	54	39	66	52	37	64	49	35	62	47	32		
Per	IQ	ST			62s		36s					59s		54	33s				56s		31s					54s		28s						
Per	IQ	ST				56							54								51						49					72		
Per	beta	ST								64			51			37														71				
Psc	RY	90	41	47	53	59	65					41	47	53	59					36	42	48	54	60				37	43	49	54			
Psc	SS	90	36+	51	38+	53	39+	54	41	56	42	57	44	59	45	31+	46	33+	48	34+	49	36+	51	37+	52	39+	54	40+	55	41+	28+	43+		
Sge	U	ST																																
Sge	SY	ST				39s							47s																					
Ser	VY	RR																											39		26			
Ser	AN	90							32	36										28	32												29	
Ser	BH	90										34								29									28					
Sex	T	90																															72	
Tau	RW	ST			62											69				46										53				
Tau	CD	ST	56																								60							
Tau	EN	20								68							64					59				55							50	
Tau	HU	ST											48	51s	54	57s	60		62s	65	68s													
Tau	V1094	20																										68s						
Tau	V1125	20																																
Tri	X	ST																											51	48	45	42	39	
Tri	UX	90	60	54	47	41				61	54	48	41	34			61	55	48	41	35				62	55	48	42	35				55	
UMa	W	ST	33+	66s	67s	67s	67s	67s	67s	67s	50+	50+	51+	51+	51+	51+	51+	51+	51+	51+	51+	51+	51+	51+	52+	52+	52+	52+	52+	52+	52+	52+	52+	
UMa	RV	RR					41	35							43	37	31						33			67				35	28	69		
UMa	TX	ST															65																	
UMi	W	ST		62		32					43																63							44
Vul	Z	ST			53					44																	39s						30s	
Vul	BN	90	34	53		31	50			47			44			41												32	51				27	45
Vul	DR	20								46s										38													47s	
JD	550	..	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99								
JD	551	..																								00		01	02	03	04	05		

2009	September		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
Vul	DR	20						53					29					54					29					54								
Vul	EV	20	43					49s					31s					54					42s													
JD	550	..	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00					01	02	03	04	05
JD	551	..																																		

2009	Oktober		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31															
And	RT	ST	32+	26+	52	46s	41+	35+	29+	55	49s	44	38+	32+	27+	52s	47	41+	35+	30+	24+	50	44s	39+	33+	27+	22+	47s	42	36+	30+	25+	51s															
And	SW	RR	56	44	32	65	54	42	30	63	52	40	28	61	50	38	27	59	48	36	25	57	46	34	23	55	44	32		53	42	30	63															
And	TW	ST	46					59																																								
And	XX	90	64	37		54	26	70	43		59	32	49					65					38					54					27					71					44					
And	XZ	ST	55					26					62					33					69					40					55					26					62					
And	AB	ST	40+	40+	39+	39+	38+	38+	38+	37+	37+	36+	36+	35+	35+	35+	34+	48+	33+	33+	32+	32+	31+	31+	31+	30+	30+	29+	29+	28+	28+	28+	27+															
And	OV	90	68	62	56	50	44	39	33	27	68	62	56	50	44	39	33	27	68	62	56	50	44	38	33	27	68	62	56	50	44	38	33															
Aqr	SW	RR	41	33						46	38	30						43	35	27						40	32	24						37	29													
Aqr	SX	90	38	45						28	35	42						24	31						38	45						28	35	42														
Aqr	HH	90	39						26	41						29	43						31	46						33						35												
Aql	AA	RR	28					36					26	34	43						32	41						30						39														
Aql	KO	ST																																														
Aql	KP	ST	31					36s					41					32					37					26					35															
Aql	OO	ST	45s						25						26	27	29	30	32	33	34	36	37	38	40	41						24s	25s	27s	28s	29s	31s	32s	33s	35s								
Aql	V341	90	35						39						28						33						38						27						31									
Aql	V346	ST	33					43																																								
Aql	V1353	20	32	44s					27s					39					35s					30					24					35					25s					37				
Aql	V1430	20	34					33					32					40					41					31					27					31										
Ari	X	RR	48	30+	32+	33+	35+	39	69	38+	39+	41+	42+	60	55	27+	28+	30+	46	33+	34+	36+	37+	37	67	32	62	24+	57	53	29+	30+	32+	33+														
Ari	SS	20	29+	30+	32+	33+	35+	40						44+	45+	27+	28+	30+	31+	33+	34+	36+	37+	39	40+	42+	23+	24+	26+	27+	29+	30+	32+	33+														
Ari	AL	20						40																																								
Aur	TZ	90	55	51	68	47	69s	64	43	60	56	72	73	52	69	48	65	43	61	39	57	74	53	70	48	66	44	62	40	58	75	53	71															
Aur	EM	20						61					52s					43					72					63s					54					45s					36					
Aur	KU	20	56					52					48					44					72					68					64					59										
Aur	V432	20						34					42					51					25					29s					37s					46s										
Boo	RS	RR	29					27					34					24					25					71					24					71										
Boo	TW	90						26					28					31					71					24					25					28+										
Boo	UU	90	34					26					28					31					71					24					25					28+										
Boo	UY	90																																														
Boo	AC	20	31s	37s	31	37	25s	30s	36+	30	36+	24s	30s	35+	29	35+	23s	29s	70s	23+	28	69	75	28s	69s	22+	27	68	74	76	27s																	
Boo	CM	90																																														

JD	551	..	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
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2009	Oktober	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
Cyg	Y	ST			46		45				45			44		44			44			43			43			43			42							
Cyg	UY	RR			29	41	54			34	46			26	39	51			31	43			24	36	48			28	40			33						
Cyg	XZ	RR		64	57	50	44		37	30		64	57		44	37	30			57	50	43	37			57	50		43	37	30	23	57					
Cyg	BO	20			53		29					56		31						58		34					36											
Cyg	BR	ST	30				30					30					29					29				29				29								
Cyg	CV	20												52s	50s	48s			47s	45s	43s	42s	40s		38s	37s	35s	33s	32s		30s	28s	27s	25s	24s	22s		
Cyg	DM	RR	48	32	58	42	26		52	36		46	30		56	40	24	49	33								25	51	35			45		29				
Cyg	V463	20												29		41																23						
Cyg	V477	20				49s																			27s										31s			
Cyg	V477	20		44							48								23s																			
Cyg	V548	ST		39							61			41												25						47		27				
Del	DX	90	48	43	37	32	26					46	41	35	30	24					44	39			33	28					42	37	31	26				
Dra	RR	ST	57			40										73					56				39													
Dra	RW	RR	44	32		54	42		31		52	41	30		51	40	28+			50	38	27+		48		37	25+		47	35		24+	46	34	23+			
Dra	SU	RR		45		43			41	73	39	71	37		69	35	68	34	66		32	64	30	62	28		60	26	58	24	56		22	54	53	51		
Dra	SW	RR	34	48	62		33		47	61		32	46		60	74	31	45	59		73	30	43	57	71		28	42	56	70	27		41	55	69	26	40	54
Dra	TW	ST			29								71									32											55			36		
Dra	TZ	ST	53	40	26						46	32								25						45	31					38	24					
Dra	UZ	ST	32			58						47s				74s		37			63		26s				52s					41		67				
Dra	VZ	90	42	38+	35	31	27			52	48	45	41+		37+	34+	30	26		51	47	44	40+	36+		32+	29	25			46	42+	39+	35+	31+	28		
Dra	VW	ST	47								41s	73									67s						30s		62					25		56s		
Dra	XZ	RR	71	67	62	57	53		48	43	38	34	29		24+	67	63	58	53		48	44	39	34	30		25+	68	63	58	54		49	44	40	35	30	26+
Dra	AI	ST			37							36															35	75				35		74				
Dra	BK	90	50	69	28	46	65			42	61		38		57		34	53	71		30	49	67	26	45		63		41	59		37	55	74	33	51	70	
Equ	S	ST																																				
Eri	SV	90			60																45		59				45		59				45		59			
Gem	RR	90	52	71	51	70	49		69	48	67	47	66								62		60		59		58		56	76		55	74	54	73	52	72	
Gem	YY	ST	57s		61		64s			68	49	71s	53s								64	45	67s	49s	71		52	74s	56s		59			63s	44s	66	48	70s
Gem	V339	20													51						39																	
Her	RX	ST		31s								31																										
Her	TW	RR	44		44		43																															
Her	TX	ST																				24	27s	30		33s	36	39s										
Her	UX	ST			27				37																													
Her	VX	RR				30						30																									25	
Her	VZ	90			37	25				33		41		29		38	26										30					26			35	23		
Her	AK	ST	34s			29s	34			29	35s			24	30s		25s				30			25	31s			26s	31			26					26s	
Her	AR	90	43	37	31	25						42	36		30	24						34	28+								33	27+						
Her	V842	20	40s	45	28	33s	38		43s	26s	31	36s	41		24	29s	34	39s			27	32+	37		25s		30+	35s	40	23	28+		33+	38s	22s	26+	31+	36
JD	551	..	06	07	08	09	10		11	12	13	14	15		16	17	18	19	20		21	22	23	24	25		26	27	28	29	30		31	32	33	34	35	36

2009	Oktober	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Her	V874	20	29+	31+	33+	36+	25+	27+	29+	31+	34+	36s	25+	27+	29+	32+	34	36	25+	28+	30+	32+	34s	23+	26+	28+	30+	32	22+	24+	26+	28+	30s			
Hya	SZ	90						71								70							68							66	74					
Hya	VZ	20								71																										
Hya	WZ	90																								69s										
Hya	ET	90									68	74										65	71			75								62		
Lac	SW	ST	30+	26+	39+	35+	31+	27+	40+	36+	32+	28+	24+	37+	33+	29+	25+	38+	34+	30+	26+	23+	35+	31+	27+	23+	36+	32+	28+	24+	37+	33+	29+			
Lac	CM	ST		61	42s			63s	43		64		44s	24			45	25s				46s	27			47	28s		49s	29				50		
Lac	CO	20	44s			52s			61s			69s					32s				40s		49s			57s			65s							
Lac	CO	20				28				36			45			53						70				33			41					50		
Lac	CZ	90	58	44	31	60	47	33	63	49	36	65	52	38	24+	54	41	27	57	43	29	59	46	32	62	48	34	64	51	37	23	53	39			
Lac	V345	20						31s																		30s										
Lac	V364	20													31s																					
Lac	V364	20									56															26										
Leo	Y	ST			60						65					71																			57	
Leo	RR	RR				65					73	63				70	61					68	58			75	65	56								
Leo	SS	RR																	73						74											
Leo	ST	RR								72																										
Leo	UV	ST			71s			71s			72s					72s						72s				72s	62		72s	62						
Leo	AG	20																											76							
Leo	AM	ST									70s		71			72s	73					74s	66	75	67s		68		69s						64s	
Leo	FM	20	46																																	
Lyn	CD	20																																		
Lyr	RR	RR	49			32	46				29	42			26	39	53					36	49			30		43				26	40			
Lyr	RZ	90									25	27	29	31	34	36	38	40	43			45													25	
Lyr	UZ	ST		52		41		30																			43									
Lyr	CN	90		42			30		36		42																									
Lyr	EZ	RR				29	34	39	44																											
Lyr	FL	ST										31	40s	49																						
Lyr	IO	90			30	46				34			38																							
Mon	AQ	20					63s					72s																								
Oph	U	ST					29s																													
Oph	ST	90		32						27									28																	24
Ori	FT	20	56			71																														
Ori	FT	20				72s																														
Ori	GG	20										70s																								60s
Ori	GG	20														49																				
Ori	V536	20		64																																
Ori	V1031	20																																		
JD	551	..	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36			

2009	Oktober		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Vul	Z	ST					44s					35s					26s						40					31					22
Vul	BN	90			42			40			37			34			31			28			25	44		41			38				35
Vul	DR	20				29									30									30									30
Vul	DR	20					47s									48s							23s									23s	
Vul	EV	20			48s		30s						35								41s			23s						29			
JD	551	..	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

2009	November		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
And	RT	ST	45s	39	34+	28+	22+	48s	42	37s	31+	25+	20+	46	40s	34	29+	23+	49	43s	37	32+	26+	20+	46s	40	35s	29+	24+	49s	44	38s	
And	SW	RR	51	40	28	61	49	38	26	59	47	36	24	57	45	34	22	55	43	32	20	53	42	30		51	40	28		49	38	26	
And	TW	ST				45				57																							
And	XX	90		45		61	34		50	23	67	40		56	29		46		62	35		51	24		41		57	30		46	19		
And	XZ	ST				48				55			27	62			34	69			41				48			20	55			27	
And	AB	ST	27+	26+	26+	25+	25+	25+	24+	24+	23+	23+	22+	22+	22+	21+	21+	20+	20+	36+	36+	35+	35+	34+	34+	33+	33+	33+	32+	32+	31+	31+	
And	OV	90	27	21	62	56	50	44	38	33	27	21	62	56	50	44	38	33	27	21	62	56	50	44	38	33	27	21		56	50	44	
Aqr	SW	RR					32	24				37	29	21				34	26					31	23					28	20		
Aqr	SX	90						28	35					24	31	38						20	28	35					24	31			
Aqr	HH	90	41			28				31				33			20	35			22	37				24			26				
Aql	AA	RR	31				28					26			24				22	31			20	29				27				25	
Aql	KO	ST										24																					
Aql	KP	ST				30s																				19						24s	
Aql	OO	ST	36s									22	23	24	26	27	28	30	31	32									19s	21s	22s	23s	25s
Aql	V341	90			30				34			23				28					32		21			26							
Aql	V346	ST		31										26										22	33								
Aql	V1353	20				28						23s	35					30s					25					20s					
Aql	V1430	20	30							29						28								27							26		
Ari	X	RR	44		39		34	64	30	60		55		50		46		41		37		32	62	27	57		53		48		44		
Ari	SS		35+	36+	38+	39+	41+	22+	23+	25+	26+	28+	29+	31+	32+	34+	35+	37+	38+	20+	21+	23+	24+	26+	27+	29+	30+	32+	33+	35+	36+	38+	
Ari	AL	20					38														37												
Aur	TZ	90	49	67	45	63	41	58	37+	54	72	50	68	46	64	42	59	38+	55	34+	51	69	47	64	43	60	39+	56	34+	52	30+	48	
Aur	EM	20				76	67s	58	49s	40	31s						78s	69	60s	51	42s	33	24s			71s			62	53s	44	35s	26
Aur	KU	20				55				51				47				43	75			39	71		35	67			31	62			
Aur	V432	20										24s			32s			41s											19			27	
Boo	RS	RR	73			74			76					67			69			71			72			74		63	76		65	78	
Boo	TU	90						68	21+							66	73							65	71	77						63	
Boo	UU	90	76	22					24+					73					75	21+				78	69					72			
JD	551	..	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	

2009	November		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Cep	EX	20																						25										
Cet	RR	RR	29	39	50			26	37	48			24	35	45			22	32	43			46		30	41	51		28	38	49			
Cet	RV	90	51		38			50		37			49		36			48		35			46		33			45		32				
Com	S	90		63				73			67			60	77			71			64				57	75		68		61	78			
Com	ST	90				76			76			75			75			74			73				73		72			72				
CrB	U	ST																								74								
Crt	W	90										75							76							76					71			
Cyg	Y	ST		42			41						41			40			40			40				39		39		24	36			
Cyg	UY	RR	45			25	38								23	35				27	39				20	32								
Cyg	XZ	RR	50	43	37	30+	23			50	43	36	30+	23			50	43	36	30+	23				50	43	36	30+	23		50	43		
Cyg	BO	20		39							41							44								46		22				49		
Cyg	BR	ST		28				28				28								27						27		27		26s	25s	23s	21s	
Cyg	CV	20																43s	41s	40s	38s			36s	35s	33s	31s	30s						
Cyg	DM	RR		39	23	49	33		43	27		37	21	47	31		40	24			34	44			28	38	22							
Cyg	V463	20	35																															
Cyg	V477	20				30		35s					34																					
Cyg	V548	ST							49		30							52								74				35				
Del	DX	90						40	35	29	24						38	33	27	22							36	31	25	20				
Dra	RR	ST	71			54			38			21												53			36		20					
Dra	RW	RR	44	33+	21+		43	31+	64		41	30+	63		40	29+	62		39	27+	60			37	26+	59		36		25+	57	35+	23+	
Dra	SU	RR		49		47		45	77	43	75	41	73	39	72	38	70	36	68	34	66	32			64	30	62	28	60	26	58	25	57	23
Dra	SW	RR	68	25	39	52	66	23	37	51	65	22	36	50	64	21+	35	49	63	20+	34	48			61	75	32	46	60	74	31	45	59	73
Dra	TW	ST											59			39				20								62					43	
Dra	TZ	ST		44	31				77			37	23													36	22						29	
Dra	UZ	ST	30			56					46s																50s		76s		39		65	
Dra	VZ	90	24			45+	41+	38+	34+	30+	26+	23			44+	40+	36+	33+	29+	25+	22			78	75	39+	35+	32+	28+	24+	20+		77	
Dra	WW	ST							51									77								71s						34s		66
Dra	XZ	RR	69	64	59	54	50	45	40	36	31	26+	21+	64	60	55	50	46	41	36	31	27+			22+	65	60	56	51	46	41	37	32	27+
Dra	AI	ST		34		74				33	73					33		73								72						71		
Dra	BK	90	29	47	66	25	43	62	21	39	58	76	36	54	72	32	50	68	28	46	64	24			42	60	20+	38	57	75	34	53	71	30
Equ	S	ST																																
Eri	SV	90	44			59		44					44																	43				
Gem	RR	90	51	70	50	69	48	67	47	66	46	65	44	63	43	62	42	44	61	40	59	39	58			37+	57	36+	55	35+				
Gem	SZ	90																																
Gem	YY	ST	51s	74	55	77s	59s	40s	62	44	66s	47s	69	51	73s	54s	76	58	39	61s	43s	65			46	69s	50s	72	54					
Gem	GX	20																																
Gem	V339	20								43			31																					
JD	551	..	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56			57	58	59	60	61	62	63	64	65	66

2009	November	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30											
Mon	AQ	20	63s				72s					54					63					72				54s					63s											
Mon	AT	20	56		59	61		64		67		70		73																												
Oph	ST	90												20																												
Ori	EW	20																			67s						61s															
Ori	FT	20						37s			53s			68s																	43s											
Ori	FT	20					36				51		67													42																
Ori	GG	20											65																													
Ori	GG	20												49s												41																
Ori	V536	20					43		60																																	
Ori	V1031	20	61																								45															
Peg	U	ST	24+	36+	30+	24+	36+	30+	24+	36+	30+	24+	36+	30+	23+	36s	30+	23+	36s	29+	23+	36s	29+	23+	35s	29+	23+	35s	29+	23+	35s	29+	23+	35s								
Peg	VV	RR	49	47	45	42	40	38	35	33	31	28	26	24	21					23+	36s	29+	23+	35s	29+	23+	42	40	38	35	33	31										
Peg	AT	ST													20	34							22	37																		
Peg	AV	RR	45	24	41	36		31	48	26	43	21	38	34		29	46	24	41			36	32		27	44	22	39	34													
Peg	BH	90	44	37		29	21	49	42			34	26					29	47	39			31	24		44	44	36	29													
Peg	CG	90	33	26					47	40	34	27	21					28	21					42	35	29	22															
Peg	DH	RR	29	31	33	36	38	40	42	44	21	23	25	28	30	32	34	36	39	41			20	22	24	26	29	31	33	35	37											
Peg	DI	ST	35	42s	49	27s		33	40s	47	25s		32	38s	45	23s		30	37s	43	21s		28	35s	42	20s		26	33s	40	47s											
Peg	DK	ST													45	27s							35	43s		24	32s		40													
Per	Z	ST	66				72																																			
Per	ST	ST					44								74	38								68	33						63											
Per	AG	20													23		26	29		32						35	38		40	43		46										
Per	AG	20													22s		25s						34s	37s		40s		40	43s		45s											
Per	AR	90	24+	52	37	22+	50	35+	62	47	33+	60	45	30+	58	43	28+	56	41	26+	54	39	24+	52	37+	22+	50	35+	20+	48	33+	60										
Per	IQ	ST	59				33								56	31								54	28		26		74													
Per	IQ	ST	64s				38s				62s				36s				59s				33s				56s				31s											
Per	beta	ST									72				59				46				32				56s				31s											
Psc	RY	90	33	39	45	51					22	28	33	39	45					46	22	28	34	40	46	23+	38	25+	40	26+	23	29	35	41								
Psc	SS	90	37	24+	39	25+	40	27+	42	28+	43	30+	45	31+	46	32	48	34	20+	35	22+	37	23+	38	25+	40	26+	41	27+	43	29	44										
Sge	U	ST																																								
Sge	SY	ST					32																				25s				33s											
Ser	AN	90																																	76							
Ser	BH	90													78																								73			
Sex	T	90					76				73	71	68	65	63	60	58							77	75	72	69	67	64	62	59	56	79	76								
Tau	RW	ST	53				30								60				37																45							
Tau	CD	ST	39				54s								70				41s								57				72s				44							
Tau	EN	20					67				63								59								54				50				46							
Tau	HU	ST																					28				31s	34	37s	40	43s	45	48s	51	54s	57	59s	62	65s	68		
JD	551	..	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66										

2009	Dezember	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Cas	V381	20				24s							22s							21s							19s							
Cas	V381	20	59		33					57		32					56		30				73		54		29				52			
Cas	V459	20												27																	19			
Cas	V459	20															44s																	
Cep	U	ST		66					64				63						62					60				59						
Cep	RZ	90	19+	42+	35+	27+	20+	43+	36+	28+	21+	44+	37+	30+	22+	46+	38+	31+	23+	47+	39+	32+	25+	48+	41+	33+	26+	49	42+	34+	27+	20+	43+	
Cep	VW	ST	23+	20+	31+	29+	26+	24+	21+	32+	30+	27+	24+	22+	19+	31+	28+	25+	23+	20+	32+	29+	26+	24+	21+	19+	30+	27+	25+	22+	20+	31+	28+	
Cep	XX	ST	24	41s	58	75s				25	42s	59	76s			27	43s	60	77s				28	45s	62	78s				29	46s	63		
Cep	ZZ	ST							28		42		56		70								27		41			55		70				
Cep	AI	20	35		47s														25			37s		48			71							
Cep	CW	20		64				37								56			29				74				47		20					
Cep	CW	20		25s				71s				44s							63s				35s						54s					
Cep	EX	20			69																												56	
Cet	RR	RR		26	36	47			23	34	45			21	32	42			19	29	40				27	38			25	35				
Cet	RV	90	44	31			43	30				41	28				40	27				39	26				37	24					36	
Com	S	90	54	72			65		58	76		52	69				62		56	73		49	66				59	77		53	70			
Com	ST	90	71		71		70			70			69				69			68			68		67				66					66
CrB	RV	90					20	20	19	19											79	79	78	78	77	77	76	76	75	75	74			74
Crt	W	90	77				71	77					72							66								72						
Cyg	Y	ST		38		38			37			37		36			36						35				35							
Cyg	UY	RR		29			21	34				26			19		31					23	35						20	32				
Cyg	XZ	RR	36	29+	23+		43	36	29+	23+				43	36		29+	23+				43	36	29+	22+	62			36	29+			22+	
Cyg	BO	20		24						27							29								32						34			
Cyg	BR	ST			26			26				26					26									25			25					
Cyg	CV	20	20																				32s	31s	29+		27+	26+	24s	22s	21s		19s	
Cyg	DM	RR	36	20		30	40	24		34			28		38	21		31				25		35	19	29			23		33			
Cyg	V463	20				23																			29									
Cyg	V477	20									21s							25s								29s								
Cyg	V477	20													20														28					
Cyg	V548	ST		77			38					79			40			21							43		23							
Del	DX	90		29	23									27	21								25	19									23	
Dra	RR	ST				69			52			35											68		51				34					
Dra	RW	RR	56		33+	22+	55		32+	20+	53		30+	19+	52	29+		62	51		28+	61	49		26+	59	48		25+	58	46	79	24+	
Dra	SU	RR	55	21	53	19	51	49		47	79	45	77	43	76	42	74	40	72	38	70	36	68	34	66	32	64	30	62	28	61		27	
Dra	SW	RR	30	44	58	72	29	43	57	71	27	41	55	69	26	40	54	68	25	39	53	67	24	38	52	66	23	36	50	64	21+	35	49	
Dra	TW	ST	23							65			46		27										69			50		30				
Dra	TZ	ST			75		35	21			68			28			74				21				67			27		73				
Dra	UZ	ST		29		55					44s			70s		33			59		22s				48s		75s		38				64	
JD	551	..	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	

2009	Dezember		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Dra	VZ	90	74	38+	34+	30+	27+	23+	19+		76	72	37+	33+	29+	26+	22+	50	79	75	71	68	32+	28+	24+	21+	49	45+	74	70	66	31+	27+	
Dra	WW	ST					29s		60					23		55s							49								44s		75	
Dra	XZ	RR	23+	66	61	56	52	47	42	37	33	28+	23+	19+	62	57	52	47	43	38	33	29+	24+	19+	62	57	53	48	43	39	34	29+	24+	
Dra	AI	ST		31		71					30	70						70						69							68			
Dra	BK	90	49	67	26	45	63	22	41	59	77	37	55	74	33	51	70	29	47	66	25	43	62	21	39	58	76	35	54	72	31	50	68	
Equ	S	ST																	24															
Eri	SV	90	43					42					42			28		42				27				27		41			27		41	
Gem	RR	90	70	50	69	49	68	47	66	46	65	44	64	43	62	42	61	40	60	39+	58	38+	57	36+	56	35+	54	34+	53	32+	51	31+	50	
Gem	SZ	90	41	41	41	41	42	42	42	42	43	43	43	43	43	44	44	44	44	45	45	45	45	45	46	46	46	46	46	47	47	47	47	48
Gem	YY	ST	64s	46s	68	49	71s	53s	34+	56	38+	60s	41s	64	45	67s	49s	30+	52	34+	56s	37+	59	41	63s	44s	26+	48	29+	51s	33+	55	36+	
Gem	GX	20	36		38s		39		41s		43		45s		47		49s		51		53s		55		57s		58		60s		62		64s	
Gem	V339	20				36			24																							28		
Her	RX	ST						23s																			79s							
Her	TW	RR		77		77		77		77		77		76		76		76		76		76		75		75		75		75		75		
Her	TX	ST						67s	70	73s	76	79s															21s							
Her	UX	ST				22																												
Her	VX	RR				77				78					79							71					72					72		
Her	VZ	90		25			77	22			74				70			78	22+			75	19			71			79	67			75	
Her	AK	ST			78s	20s			78				78s			79					74	79s			74s			75			70	75s		
Her	AR	90				75		22+	63						74	21+	62					79	73	20+	61	55			78	72	19+		60	
Her	V842	20	79s	21+	25+	72s	77	19+	23+	70	75s	59s	21+	26+	73	57+	20+	24+	71s	55+	59	22+	69	74s	58+	20+	67s	72	56+	19+	65	70s	54+	
Her	V874	20	21+	23+	25+	27+	29+	19+	21+	23+	25+	27+	30+	19+	21+	23+	26+	28+	68	19+	21+	24+	26+	66+	68s	19+	22+	24+	26+	66+	69	20+	22+	
Hya	SZ	90		58	66	73					57	64	72					55	63	70					54	61	69				52		59	
Hya	VZ	20									70s			61s		51s											68			58		49		
Hya	WZ	90				62		69	77					61	68	76						60	67					59	66					
Hya	ET	90			52	58			64	69						49		55		61		66				46			52		57		63	
Lac	SW	ST	24+	20+	32+	29+	25+	21+	33+	30+	26+	22+	34	30+	27+	23+	19+	31+	28+	24+	20+	32	28+	25+	21+	33s	29s	26+	22+	34	30	26+	23+	
Lac	CM	ST			39	20s			41s	21			42	22s			43s	23				44	24s			26				27s				
Lac	CO	20	34		42				51		59						22				30		39			47		56						
Lac	CO	20				21s				29s			38s		46s						55s					26s			34s				43s	
Lac	CZ	90	51	37	24	53	40	26		42	29		45	31		47	34	20	50	36	23		39	25		41	27		44	30		46	32	
Lac	V345	20				25s																23s												
Lac	V364	20								37																						42		
Leo	Y	ST		61					67					73		41				78		47				53					59			
Leo	RR	RR	66	56	47		73	63	54	44		70	61	51		78	68	59	49		75	66	56	47		73	63	54	44		71	61	51	
Leo	SS	RR				70		58			71		59			73		60			74		62			75		63			76		64	
Leo	ST	RR	73	69	64	60	55						77	72	68	64	59	55							76	72	67	63	59	54	50			
Leo	UV	ST	52s	72s	62	52s	72s	62	52s	72s	62	52s	72s	62	52s	72s	63	53s	73s	63	53s	73s	63	53s	73s	63	53s	73s	63	53s	73s	63	53s	73s
JD	551	..	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	

2009	Dezember		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Leo	AG	20						47										65								43							
Leo	AM	ST	55+	65s	57+	66	58+	67s	59+	69	60+	52+	61	53+	62s	54+	64	55+	65s	56+	66	57+	49+	59+	50+	60+	51+	61+	52+	62s	54+	63	55+
Leo	FM	20																							20								
Lyn	CD	20							30									39															
Lyr	RR	RR	28					24	38			21+	35			75	31				28				25				22+			19+	
Lyr	RZ	90												20	22	24+	28	26+															
Lyr	UZ	ST																							74								
Lyr	CN	90	31				19		24				77			24				76			23			76			22				
Lyr	EZ	RR				22	27	32									20	25+								23+							
Lyr	FL	ST		77							21s	30					75s						19	28s					73				
Lyr	IO	90					21+				25							75			21+							72				76	
Mon	AQ	20			45					54					63				45s						54s						40		
Mon	AT	20																															
Oph	ST	90																										79					
Ori	EW	20		55s							48s								42s						36s							29s	
Ori	FT	20	58s			73s														33s			48s		63s								
Ori	FT	20		57				72																47		62							
Ori	GG	20				54																						44					
Ori	GG	20								39s																					28s		
Ori	V536	20													39				55														
Ori	V1031	20													48																	50	
Peg	U	ST	22+	35s	28+	22+	34s	28+	22+	34s	28	22+	34s	28	22+	34s	28	21+	34s	27	21+	34s	27	21+	33s	27	21+	33s	27	21+	33s	27	20+
Peg	VV	RR	28	26	24	21	19																	19									
Peg	AT	ST					26							29										31					19				
Peg	AV	RR		29		25	42	20	37		32		27		23	40		35		30		25			20	37		33		28		23	
Peg	BH	90		21			42		34		26					39		31		23					36		29		21				
Peg	CG	90	23					37	30	23					37	31	24						31	25					32	26	19		
Peg	DH	RR		21	23	25	27	29	32	34	36				19	22	24	26	28	30	33					20	22	25	27	29			
Peg	DI	ST	25	32s	38	45s		23	30s	37	43s		21	28s	35	42s		20	26s	33	40s				25s	31	38s		23s	30	36s		
Peg	DK	ST	22			30s				38	19s				27					35s					25s		25s		33				
Per	Z	ST			23				28		34			39				45		51				56		62							
Per	ST	ST	27					57			22					52								46								41	
Per	AG	20	48s		51s	54s			57s		60s		63s		66s																		
Per	AG	20		49		52		55	58		61			63		66																	
Per	AR	90	45	31+	58	43	28+	56	41	26+	54	39	24+	52	37	22+	50	35	20+	48	33	60	46	31	58	43	29+	56	41	26+	54	39	24+
Per	IQ	ST	54s		28s					51s	26s				74s	49s				23s		72s		46s		20s		69s		43s			
Per	IQ	ST		49		23			72		46		20		69			43					67		41			64		38			
Per	beta	ST			66			53			40			26													60		47				
JD	551	..	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97

2009	Dezember		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Psc	RY	90					23	29	35	41					24	30	36							24	30	36							19			
Psc	SS	90	30	45	32	47	33	20+	35	21+	36	23+	38	24+	39	25	41	27	42	28	43	30	45	31	46	33	19+						23			
Sge	U	ST																															78			
Sge	SY	ST															26s																			
Ser	AN	90								72	77										69	73	78									65	69			
Ser	BH	90		77				68		73				77				68		72				76	63						72					
Sex	T	90	73	71	68	66	63	60	58	55	53	50		77	75	72	70	67	64	62	59	57	54	51	49	46+	76				74	71	68	66	63	61
Tau	RW	ST	22								52			29												37										
Tau	CD	ST	59		31s					46					61s		33												64		35s					
Tau	EN	20				41						37					32												24							
Tau	HU	ST																				21	24s	27	30s	33	35s				38	41s	44	47s	49	52s
Tau	V1094	20						58s									57s																			
Tri	X	ST	57	54	51	48	46	43	40	37	34	31	28	26	23	20																				
Tri	UX	90					39	32	25	19				39	32	26	19																			
UMa	W	ST	41+	41+	41+	41+	42+	42+	42+	42+	42+	25+	25+	26+	26+	26+	26+	26+	26+	26+	26+	26+	26+	26+	26+	27+	27+	27+	27+	27+	27+	27+	27+	27+	27+	
UMa	RV	RR	47			75	69	62	56	49			77	71	64	58	51	45		79	73	66	60	54	47	41					75	68	62	56	49	43
UMa	TU	RR		56	67	79			57	69			48	59	71			50	61	73			52	63	75					53	65	77		44	55	
UMa	TX	ST								43			49			55				62					74											
UMi	W	ST	78		48					59		29			69		39				79		49					60				30		70		
Vir	ST	90		73		78					71		76					69		75					68		73				79			66		
Vir	AH	ST	62s	63	65s	67	69s	71	73s	75	56+	58+	60	62s	64	66s	68	69s	71	73s	55+	57+	59+	60	62s	64	66s				68	70s	51+	53+	55+	57+
Vir	AT	90								67	72	77									66	71	76									65	70	75		
Vir	AV	90						77		74		71		68		65		63		60											79		76			73
Vul	Z	ST								27s																										
Vul	BN	90	24			21			19																											
Vul	DR	20					25s										25s																			
Vul	DR	20						32																												
Vul	EV	20									21s							26																		78s
JD	551	..	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97		97	

Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne e.V.(BAV)

Fachgruppe Veränderliche Sterne der Vereinigung der Sternfreunde (VdS) e.V.

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