



AAVSO BULLETIN 74

Predicted Times of Maxima and Minima for Long-Period Variables, January 2011 -- February 2012

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In the table below, the following fields are given:

- Name: name of variable star
- Links:
 - L - to the AAVSO Light Curve Generator
 - X - to the International Variable Star Index (VSX)
 - T - to the AAVSO table of published maxima/minima of long period variables
- R.A. and Dec.: coordinates in J2000.0
- Period: in days
- Range: mean visual magnitude range based on data in the AAVSO International Database
- N: number of observations in the AAVSO International Database during calendar year 2010 (January to December)

The number in a given month indicates the date of extremum; MAX indicates Maximum and min indicates minimum. If chosen by the user, the highlight colors indicate the intervals when the star will be brighter than visual magnitude 11.0, between 11.0 and 13.5, and fainter than magnitude 13.5. Note that some stars are always brighter than 11.0 or 13.5.

Note: for the stars R CEN, R NOR, and V BOO, please see table on the AAVSO Bulletin 74 for 2011 webpage: <http://www.aavso.org/aavso-bulletin-74-2011>.

Color key: m_{vis} brighter than 11.0 $13.5 > m_{vis} > 11.0$ m_{vis} fainter than 13.5

NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	
Z PEG	L X T	00:00:06.55	+25:53:11.2	334.8	<8.4-13.2>	79	fading	fading	fading	fading	fading	min(5)	rising	rising	rising	rising	MAX(15)	fading	fading	fading	
W CET	L X T	00:02:07.38	-14:40:33	351.31	<7.6-14.4>	32	rising	rising	rising	rising	rising	MAX(20)	fading	fading	fading	fading	min(28)	rising	rising	rising	
Y CAS	L X T	00:03:21.44	+55:40:51.9	413.48	<9.8-14.5>	61	rising	rising	rising	rising	MAX(27)	fading	fading	fading	fading	fading	fading	fading	min(18)	rising	
SV AND	L X T	00:04:20.07	+40:06:35.7	316.21	<8.7-13.7>	39	min(24)	rising	rising	rising	rising	MAX(8)	fading	fading	fading	fading	fading	min(6)	rising	rising	
V SCL	L X T	00:08:37.33	-39:13:05	296.1	<9.9-14.6>	3	fading	fading	min(30)	rising	rising	rising	rising	MAX(23)	fading	fading	fading	fading	min(20)	rising	
SS CAS	L X T	00:09:36.53	+51:34:00.9	140.57	<9.8-13.1>	103	rising	rising	MAX(6)	fading	min(13)	rising	MAX(24)	fading	min(30)	rising	rising	MAX(12)	fading	min(18)	
S SCL	L X T	00:15:22.27	-32:02:43	362.57	<6.7-12.9>	52	fading	fading	fading	fading	fading	fading	min(6)	rising	rising	rising	rising	MAX(23)	fading	fading	
X AND	L X T	00:16:09.53	+47:00:45.2	346.18	<9.0-14.8>	86	fading	fading	fading	fading	fading	min(26)	rising	rising	rising	rising	MAX(7)	fading	fading	fading	
T AND	L X T	00:22:23.15	+26:59:45.8	280.76	<8.5-13.8>	71	fading	fading	fading	fading	min(17)	rising	rising	rising	rising	MAX(2)	fading	fading	fading	min(22)	
S TUC	L X T	00:23:07.68	-61:40:17	240.71	<9.3-14.5>	36	min(2)	rising	rising	MAX(18)	fading	fading	fading	min(30)	rising	rising	rising	MAX(14)	fading	fading	
T CAS	L X T	00:23:14.27	+55:47:33.2	444.83	<7.9-11.9>	345	rising	rising	rising	MAX(23)	fading	fading	fading	fading	fading	min(1)	rising	rising	rising	rising	
R AND	L X T	00:24:01.94	+38:34:37.3	409.33	<6.9-14.3>	348	fading	fading	fading	fading	min(27)	rising	rising	rising	rising	rising	MAX(23)	fading	fading	fading	
S CET	L X T	00:24:03.55	-09:19:40.6	320.45	<8.2-14.2>	30	min(4)	rising	rising	rising	rising	MAX(1)	fading	fading	fading	fading	min(20)	rising	rising	rising	
T SCL	L X T	00:29:12.12	-37:54:30.7	202.42	<9.2-13.0>	19	fading	fading	min(5)	rising	rising	MAX(16)	fading	fading	min(24)	rising	rising	rising	MAX(5)	fading	
T PHE	L X T	00:30:26.21	-46:24:33.3	281.79	<9.4-14.2>	7	fading	fading	fading	min(21)	rising	rising	rising	MAX(7)	fading	fading	fading	fading	fading	min(28)	rising
Y CEP	L X T	00:38:22.79	+80:21:25.8	332.57	<9.6-15.1>	48	fading	fading	min(14)	rising	rising	rising	rising	MAX(7)	fading	fading	fading	fading	fading	fading	min(9)
U CAS	L X T	00:46:21.36	+48:14:38.6	277.2	<8.4-14.8>	139	min(23)	rising	rising	rising	MAX(22)	fading	fading	fading	fading	min(27)	rising	rising	rising	MAX(23)	
RW AND	L X T	00:47:18.9	+32:41:08.8	430.3	<8.7-14.8>	69	fading	fading	fading	fading	fading	fading	fading	min(8)	rising	rising	rising	rising	MAX(3)	fading	

X SCL	L X I	00:49:29.51	-34:54:46	261.63	<10.6-14.2>	7	MAX(17)	fading	fading	fading	min(29)	rising	rising	rising	rising	MAX(6)	fading	fading	fading	min(15)
V AND	L X I	00:50:06.28	+35:39:10.1	257.73	<9.5-14.4>	94	rising	rising	rising	MAX(15)	fading	fading	fading	fading	min(5)	rising	rising	MAX(28)	fading	fading
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
RR AND	L X I	00:51:23.32	+34:22:36.8	328.15	<9.1-15.1>	111	fading	fading	fading	fading	min(2)	rising	rising	rising	rising	MAX(21)	fading	fading	fading	fading
RV CAS	L X I	00:52:42.78	+47:24:56.4	331.68	<9.4-15.2>	50	rising	MAX(28)	fading	fading	fading	fading	fading	fading	min(27)	rising	rising	rising	MAX(26)	fading
W CAS	L X I	00:54:53.85	+58:33:49.2	405.57	<8.8-11.8>	269	MAX(16)	fading	fading	fading	fading	fading	fading	min(12)	rising	rising	rising	rising	rising	MAX(26)
U TUC	L X I	00:57:13.14	-75:00:00.3	264.8	<8.6-14.1>	47	MAX(16)	fading	fading	fading	fading	min(7)	rising	rising	rising	MAX(8)	fading	fading	fading	min(27)
Z CET	L X I	01:06:45.11	-01:28:53.1	184.81	<8.9-13.5>	43	fading	min(18)	rising	rising	MAX(17)	fading	fading	min(22)	rising	rising	MAX(18)	fading	fading	min(22)
U SCL	L X I	01:11:36.37	-30:06:28.5	333.73	<9.8-15.1>	36	fading	fading	fading	min(25)	rising	rising	rising	rising	MAX(9)	fading	fading	fading	fading	fading
U AND	L X I	01:15:29.7	+40:43:08.4	346.55	<9.9-14.3>	45	fading	fading	min(26)	rising	rising	rising	rising	MAX(8)	fading	fading	fading	fading	fading	fading
UZ AND	L X I	01:16:11.16	+41:44:58.3	314.3	<10.1-14.9>	34	MAX(26)	fading	fading	fading	fading	fading	min(26)	rising	rising	rising	rising	MAX(6)	fading	fading
S PSC	L X I	01:17:34.54	+08:55:52.6	404.62	<9.6-15.0>	37	fading	min(28)	rising	rising	rising	rising	rising	MAX(6)	fading	fading	fading	fading	fading	fading
S CAS	L X I	01:19:41.97	+72:36:40.7	612.43	<9.7-14.8>	102	fading	fading	fading	fading	fading	fading	fading	fading	fading	min(5)	rising	rising	rising	rising
U PSC	L X I	01:22:58.44	+12:52:03.1	173.1	<11.0-14.4>	31	MAX(4)	fading	min(29)	rising	rising	MAX(26)	fading	fading	min(18)	rising	rising	MAX(16)	fading	fading
RZ PER	L X I	01:29:42.17	+50:51:24	355.25	<9.4-13.7>	32	min(16)	rising	rising	rising	rising	rising	MAX(2)	fading	fading	fading	fading	fading	min(7)	rising
R PSC	L X I	01:30:38.39	+02:52:53.6	344.5	<8.2-14.3>	29	rising	MAX(2)	fading	fading	fading	fading	fading	min(16)	rising	rising	rising	rising	MAX(13)	fading
Y AND	L X I	01:39:36.9	+39:20:34.6	220.53	<9.2-14.2>	57	fading	min(11)	rising	rising	MAX(24)	fading	fading	fading	min(19)	rising	rising	MAX(30)	fading	fading
X CAS	L X I	01:56:38.09	+59:15:33.6	422.84	<10.1-12.5>	75	rising	rising	rising	rising	rising	rising	rising	MAX(23)	fading	fading	fading	fading	fading	min(26)
U PER	L X I	01:59:35.1	+54:49:19.9	320.26	<8.1-11.3>	200	MAX(22)	fading	fading	fading	fading	fading	min(15)	rising	rising	rising	rising	MAX(8)	fading	fading
S ARI	L X I	02:04:37.66	+12:31:37.4	292.15	<10.9-15.2>	50	fading	fading	min(5)	rising	rising	rising	MAX(6)	fading	fading	fading	fading	min(22)	rising	rising
R ARI	L X I	02:16:07.1	+25:03:23.6	186.78	<8.2-13.2>	125	min(25)	rising	rising	MAX(22)	fading	fading	min(31)	rising	rising	MAX(26)	fading	fading	fading	min(3)
W AND	L X I	02:17:32.95	+44:18:17.7	395.93	<7.4-13.7>	113	fading	fading	fading	min(7)	rising	rising	rising	rising	MAX(15)	fading	fading	fading	fading	fading
OMI CET	L X I	02:19:20.78	-02:58:39.5	331.96	<3.4-9.3>	867	fading	fading	fading	fading	fading	min(2)	rising	rising	MAX(17)	fading	fading	fading	fading	fading
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
R CET	L X I	02:26:02.31	-00:10:41.8	166.24	<8.1-13.0>	119	MAX(11)	fading	fading	min(16)	rising	MAX(26)	fading	fading	min(29)	rising	rising	MAX(9)	fading	fading
Z CEP	L X I	02:26:17.39	+81:40:41.9	279.16	<10.8-15.4>	59	fading	fading	fading	min(23)	rising	rising	rising	rising	MAX(12)	fading	fading	fading	min(27)	rising
RR PER	L X I	02:28:29.42	+51:16:17.1	389.62	<9.2-14.4>	68	fading	fading	fading	fading	fading	fading	min(10)	rising	rising	rising	rising	MAX(21)	fading	fading
R FOR	L X I	02:29:15.3	-26:05:55.7	388.73	<8.9-12.2>	33	fading	fading	fading	fading	fading	min(22)	rising	rising	rising	rising	rising	rising	MAX(5)	fading
U CET	L X I	02:33:43.66	-13:08:54.3	234.76	<7.5-12.6>	50	fading	fading	min(26)	rising	rising	rising	MAX(7)	fading	fading	fading	min(16)	rising	rising	MAX(27)
R TRI	L X I	02:37:02.33	+34:15:51.4	266.9	<6.2-11.7>	255	rising	MAX(1)	fading	fading	fading	fading	min(3)	rising	rising	MAX(26)	fading	fading	fading	fading
RR CEP	L X I	02:43:15.47	+81:08:09.5	384.18	<10.2-14.7>	51	fading	fading	fading	fading	fading	min(1)	rising	rising	rising	rising	MAX(7)	fading	fading	fading
T ARI	L X I	02:48:19.74	+17:30:33.8	317	<8.3-10.9>	144	fading	min(26)	rising	rising	rising	rising	MAX(25)	fading	fading	fading	fading	fading	min(9)	rising
R HOR	L X I	02:53:52.76	-49:53:22.7	407.6	<6.0-13.0>	57	rising	rising	MAX(22)	fading	fading	fading	fading	fading	fading	fading	min(14)	rising	rising	rising
T HOR	L X I	03:00:52.12	-50:38:31.8	217.6	<8.2-13.2>	25	min(10)	rising	rising	MAX(28)	fading	fading	fading	min(16)	rising	rising	rising	MAX(1)	fading	fading
U ARI	L X I	03:11:03.04	+14:48:00.2	371.13	<8.1-14.6>	75	fading	fading	fading	fading	fading	min(28)	rising	rising	rising	rising	rising	MAX(8)	fading	fading
X CET	L X I	03:19:26.07	-01:03:56.1	177.14	<8.8-12.3>	78	rising	MAX(17)	fading	fading	min(18)	rising	rising	MAX(13)	fading	fading	min(11)	rising	rising	MAX(6)
Y PER	L X I	03:27:42.38	+44:10:36.5	248.6	<8.4-10.3>	265	rising	rising	MAX(9)	fading	fading	fading	min(18)	rising	rising	rising	MAX(12)	fading	fading	fading
R PER	L X I	03:30:03.11	+35:40:16.6	209.89	<8.7-14.0>	109	rising	rising	rising	MAX(5)	fading	fading	min(24)	rising	rising	rising	MAX(1)	fading	fading	min(19)
U ERI	L X I	03:50:29.15	-24:57:22.8	274.91	<9.4-14.8>	57	fading	min(5)	rising	rising	rising	MAX(25)	fading	fading	fading	fading	min(7)	rising	rising	rising
T ERI	L X I	03:55:13.9	-24:01:56.6	252.29	<8.0-12.8>	59	fading	min(2)	rising	rising	rising	MAX(13)	fading	fading	fading	min(13)	rising	rising	rising	MAX(21)
W ERI	L X I	04:11:31.02	-25:08:02.2	376.63	<8.6-13.8>	38	min(7)	rising	rising	rising	rising	MAX(7)	fading	fading	fading	fading	fading	fading	min(19)	rising
W TAU	L X I	04:27:57.19	+16:02:36.2	264.6	<9.9-11.4>	127	fading	fading	min(15)	rising	rising	rising	MAX(26)	fading	fading	fading	fading	min(4)	rising	rising
R TAU	L X I	04:28:18	+10:09:44.7	320.9	<8.6-14.2>	64	rising	MAX(23)	fading	fading	fading	fading	fading	fading	min(3)	rising	rising	rising	MAX(10)	fading
S TAU	L X I	04:29:11.75	+09:56:43.5	374.5	<10.2-15.3>	31	fading	fading	fading	min(2)	rising	rising	rising	rising	MAX(2)	fading	fading	fading	fading	fading

NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
R RET	L X I	04:33:32.83	-63:01:45	278.46	<7.6-13.3>	11	rising	rising	MAX(9)	fading	fading	fading	fading	min(7)	rising	rising	rising	MAX(13)	fading	fading
RX TAU	L X I	04:38:14.56	+08:20:09.2	331.8	<9.6-14.0>	65	rising	rising	MAX(23)	fading	fading	fading	fading	fading	min(10)	rising	rising	rising	rising	MAX(18)
T CAM	L X I	04:40:08.87	+66:08:48.5	373.2	<8.0-13.8>	167	fading	min(13)	rising	rising	rising	rising	rising	MAX(21)	fading	fading	fading	fading	fading	min(21)
R CAE	L X I	04:40:30.09	-38:14:06.9	390.95	<7.9-13.1>	16	rising	MAX(22)	fading	fading	fading	fading	fading	fading	fading	min(10)	rising	rising	rising	rising
X CAM	L X I	04:45:42.18	+75:06:03.4	143.56	<8.1-12.6>	287	MAX(23)	fading	fading	min(15)	rising	MAX(16)	fading	fading	min(5)	rising	MAX(6)	fading	min(27)	rising
V TAU	L X I	04:52:02.29	+17:32:16.8	168.7	<9.2-13.7>	52	fading	min(27)	rising	rising	MAX(20)	fading	fading	min(14)	rising	rising	MAX(4)	fading	min(30)	rising
R ORI	L X I	04:59:00.55	+08:07:49.6	377.1	<9.6-13.1>	56	fading	fading	fading	fading	fading	min(6)	rising	rising	rising	MAX(31)	fading	fading	fading	fading
R LEP	L X I	04:59:36.35	-14:48:22.5	427.07	<6.8-9.6>	272	rising	rising	rising	MAX(14)	fading	fading	fading	fading	fading	min(30)	rising	rising	rising	rising
T LEP	L X I	05:04:50.83	-21:54:16.4	368.13	<8.3-12.9>	65	fading	fading	fading	fading	fading	fading	min(14)	rising	rising	rising	rising	rising	MAX(1)	fading
V ORI	L X I	05:06:03.43	+04:06:08.7	263.7	<9.4-14.1>	13	rising	rising	rising	rising	MAX(3)	fading	fading	fading	min(20)	rising	rising	rising	MAX(21)	fading
S PIC	L X I	05:10:57.24	-48:30:25.4	428	<8.1-13.8>	18	rising	MAX(19)	fading	fading	fading	fading	fading	fading	fading	fading	min(17)	rising	rising	rising
T PIC	L X I	05:15:05.87	-46:55:04.7	200.58	<8.4-13.9>	16	MAX(20)	fading	fading	fading	min(2)	rising	rising	MAX(9)	fading	fading	min(18)	rising	rising	MAX(25)
R AUR	L X I	05:17:17.69	+53:35:10.1	457.51	<7.7-13.3>	257	fading	min(10)	rising	rising	rising	rising	rising	rising	rising	MAX(22)	fading	fading	fading	fading
T COL	L X I	05:19:17.33	-33:42:29	225.84	<7.5-11.9>	56	MAX(1)	fading	fading	min(27)	rising	rising	rising	MAX(15)	fading	fading	fading	min(9)	rising	rising
R OCT	L X I	05:26:06.18	-86:23:17.8	405.39	<7.9-12.4>	29	fading	fading	min(24)	rising	rising	rising	rising	rising	MAX(18)	fading	fading	fading	fading	fading
W AUR	L X I	05:26:54.56	+36:54:11.1	274.27	<9.2-14.6>	74	fading	min(20)	rising	rising	rising	MAX(26)	fading	fading	fading	fading	min(22)	rising	rising	rising
S ORI	L X I	05:29:00.89	-04:41:32.7	414.3	<8.4-12.9>	110	min(30)	rising	rising	rising	rising	rising	rising	MAX(15)	fading	fading	fading	fading	fading	fading
RU AUR	L X I	05:40:07.93	+37:38:10.6	466.47	<9.6-14.5>	114	rising	rising	rising	rising	rising	rising	MAX(7)	fading	fading	fading	fading	fading	fading	fading
S CAM	L X I	05:41:02.48	+68:47:54.9	327.26	<8.1-11.0>	157	fading	fading	fading	min(10)	rising	rising	rising	rising	rising	MAX(4)	fading	fading	fading	fading
U AUR	L X I	05:42:09.06	+32:02:23.3	408.09	<8.5-14.0>	32	fading	fading	min(10)	rising	rising	rising	rising	MAX(11)	fading	fading	fading	fading	fading	fading
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
S COL	L X I	05:46:56.3	-31:41:28.3	325.85	<9.3-13.8>	41	MAX(4)	fading	fading	fading	fading	fading	min(3)	rising	rising	rising	MAX(26)	fading	fading	fading
R COL	L X I	05:50:32.98	-29:11:54.8	327.62	<8.9-14.3>	14	fading	fading	fading	min(2)	rising	rising	rising	MAX(9)	fading	fading	fading	fading	fading	min(23)
Z TAU	L X I	05:52:24.85	+15:47:43.8	453	<9.8-13.9>	61	rising	rising	rising	rising	rising	MAX(12)	fading	fading	fading	fading	fading	fading	fading	fading
RU TAU	L X I	05:52:36.79	+15:58:14.4	597	<10.4-15.1>	31	fading	fading	fading	fading	fading	fading	fading	fading	min(22)	rising	rising	rising	rising	rising
U ORI	L X I	05:55:49.16	+20:10:30.6	368.3	<6.3-12.0>	635	rising	rising	MAX(10)	fading	fading	fading	fading	fading	fading	min(28)	rising	rising	rising	rising
V CAM	L X I	06:02:32.28	+74:30:27.2	522.45	<9.9-15.4>	54	fading	fading	fading	fading	fading	min(12)	rising	rising	rising	rising	MAX(22)	fading	fading	fading
X AUR	L X I	06:12:13.38	+50:13:40.4	163.79	<8.6-12.7>	183	min(25)	rising	rising	MAX(24)	fading	fading	min(8)	rising	rising	MAX(5)	fading	min(18)	rising	rising
V MON	L X I	06:22:43.57	-02:11:43.5	340.5	<7.0-13.1>	90	rising	rising	MAX(7)	fading	fading	fading	fading	fading	min(18)	rising	rising	rising	rising	MAX(10)
V AUR	L X I	06:24:02.33	+47:42:23.9	353	<9.2-12.1>	62	fading	min(6)	rising	rising	rising	rising	rising	MAX(13)	fading	fading	fading	fading	min(25)	rising
U LYN	L X I	06:40:46.45	+59:52:01.8	433.6	<9.5-14.4>	25	fading	fading	fading	fading	fading	fading	fading	min(25)	rising	rising	rising	rising	rising	MAX(22)
S LYN	L X I	06:44:34.11	+57:54:39.8	296.34	<9.6-14.3>	29	rising	rising	rising	MAX(10)	fading	fading	fading	fading	min(23)	rising	rising	rising	rising	MAX(1)
X GEM	L X I	06:47:07.05	+30:16:34.2	264.16	<8.2-13.2>	69	rising	rising	MAX(14)	fading	fading	fading	min(31)	rising	rising	rising	rising	MAX(3)	fading	fading
Y MON	L X I	06:56:52.14	+11:14:32.3	227.9	<9.1-13.9>	54	fading	fading	min(25)	rising	rising	rising	MAX(16)	fading	fading	fading	min(8)	rising	rising	MAX(29)
X MON	L X I	06:57:11.81	-09:03:52	155.8	<7.4-9.1>	171	fading	fading	min(11)	rising	MAX(17)	fading	fading	min(14)	rising	MAX(20)	fading	fading	min(16)	rising
R LYN	L X I	07:01:18	+55:19:49.8	378.75	<7.9-13.8>	76	min(9)	rising	rising	rising	rising	MAX(23)	fading	fading	fading	fading	fading	fading	min(23)	rising
R VOL	L X I	07:05:36.19	-73:00:51.9	453.6	<10.8-13.7>	29	fading	min(3)	rising	rising	rising	rising	rising	rising	MAX(8)	fading	fading	fading	fading	fading
V CMI	L X I	07:06:58.84	+08:52:36.8	366.1	<8.7-14.9>	80	MAX(11)	fading	fading	fading	fading	fading	fading	min(27)	rising	rising	rising	rising	MAX(12)	fading
R GEM	L X I	07:07:21.27	+22:42:12.7	369.91	<7.1-13.5>	301	fading	fading	fading	fading	fading	fading	fading	min(20)	rising	rising	rising	rising	MAX(4)	fading
R CMI	L X I	07:08:42.6	+10:01:26.5	337.78	<8.0-11.0>	135	fading	fading	fading	min(17)	rising	rising	rising	rising	MAX(28)	fading	fading	fading	fading	fading
RR MON	L X I	07:17:31.49	+01:05:41.9	394.7	<9.4-15.0>	34	rising	rising	rising	MAX(27)	fading	fading	fading	fading	fading	fading	fading	min(21)	rising	rising
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
V GEM	L X I	07:23:09.35	+13:06:04.7	274.8	<8.5-14.2>	74	rising	MAX(28)	fading	fading	fading	fading	min(26)	rising	rising	rising	MAX(30)	fading	fading	fading

S VOL	L	X	I	07:29:45.58	-73:22:44	394.8	<8.6-13.6>	28	rising	rising	rising	rising	rising	rising	MAX(8)	fading	fading	fading	fading	fading	min(6)	rising
Z PUP	L	X	I	07:32:38.05	-20:39:29.3	508.6	<8.1-14.5>	32	fading	fading	fading	fading	fading	min(3)	rising	rising	rising	rising	rising	MAX(18)	fading	fading
S CMI	L	X	I	07:32:43.07	+08:19:05.1	332.94	<7.5-12.6>	222	fading	fading	fading	min(29)	rising	rising	rising	rising	MAX(10)	fading	fading	fading	fading	fading
T CMI	L	X	I	07:34:00.47	+11:44:07.1	328.3	<10.5-14.0>	39	rising	rising	rising	rising	rising	MAX(9)	fading	fading	fading	fading	min(22)	rising	rising	rising
U CMI	L	X	I	07:41:20.03	+08:22:49.1	413.88	<8.8-13.0>	69	fading	fading	fading	fading	min(25)	rising	rising	rising	rising	rising	rising	MAX(26)	fading	fading
S GEM	L	X	I	07:43:02.56	+23:26:58.2	293.23	<9.0-14.2>	154	fading	fading	fading	fading	fading	min(19)	rising	rising	rising	MAX(19)	fading	fading	fading	fading
W PUP	L	X	I	07:45:57.36	-42:11:44	119.7	<8.4-12.4>	34	min(18)	rising	MAX(25)	fading	min(18)	rising	MAX(22)	fading	min(14)	rising	MAX(19)	fading	min(12)	rising
T GEM	L	X	I	07:49:18.13	+23:44:03.8	287.79	<8.7-14.0>	136	rising	rising	MAX(12)	fading	fading	fading	min(31)	rising	rising	rising	rising	MAX(25)	fading	fading
U PUP	L	X	I	08:00:50.49	-12:50:29.1	318.44	<9.8-14.1>	44	rising	MAX(13)	fading	fading	fading	fading	fading	min(21)	rising	rising	rising	MAX(28)	fading	fading
R CNC	L	X	I	08:16:33.82	+11:43:34.5	361.6	<6.8-11.2>	117	fading	min(24)	rising	rising	rising	rising	rising	MAX(13)	fading	fading	fading	fading	fading	min(20)
V CNC	L	X	I	08:21:42.85	+17:17:06.7	272.13	<7.9-12.8>	112	fading	min(22)	rising	rising	rising	MAX(28)	fading	fading	fading	fading	min(21)	rising	rising	rising
R CHA	L	X	I	08:21:46.47	-76:21:18.2	334.58	<8.5-13.6>	27	rising	rising	rising	MAX(14)	fading	fading	fading	fading	fading	min(29)	rising	rising	rising	rising
U CNC	L	X	I	08:35:46.28	+18:53:44.6	304.78	<9.9-14.6>	105	rising	MAX(12)	fading	fading	fading	fading	fading	min(15)	rising	rising	rising	MAX(14)	fading	fading
X UMA	L	X	I	08:40:49.49	+50:08:11.7	249.04	<9.7-14.4>	59	min(6)	rising	rising	MAX(25)	fading	fading	fading	fading	min(12)	rising	rising	MAX(30)	fading	fading
S HYA	L	X	I	08:53:33.95	+03:04:06.4	256.63	<7.8-12.7>	168	fading	fading	fading	min(18)	rising	rising	rising	MAX(25)	fading	fading	fading	min(30)	rising	rising
T HYA	L	X	I	08:55:39.83	-09:08:29.2	289.2	<7.8-12.6>	61	fading	fading	fading	min(16)	rising	rising	rising	rising	MAX(6)	fading	fading	fading	min(30)	rising
S PYX	L	X	I	09:05:04.6	-25:05:19.7	206.1	<9.0-13.9>	53	fading	min(26)	rising	rising	rising	MAX(10)	fading	fading	min(20)	rising	rising	rising	MAX(2)	fading
W CNC	L	X	I	09:09:52.61	+25:14:53.8	393.22	<8.2-14.1>	89	rising	rising	rising	MAX(10)	fading	fading	fading	fading	fading	fading	fading	min(9)	rising	rising
RW CAR	L	X	I	09:19:36.09	-68:45:28.1	318.62	<9.3-15.0>	6	fading	fading	fading	min(16)	rising	rising	rising	rising	MAX(14)	fading	fading	fading	fading	min(28)
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB		
Y VEL	L	X	I	09:29:01.42	-52:10:54	449.9	<9.5-13.8>	4	fading	fading	fading	fading	fading	fading	fading	min(22)	rising	rising	rising	rising	rising	rising
R CAR	L	X	I	09:32:14.59	-62:47:20	308.71	<4.6-9.6>	197	fading	fading	fading	min(20)	rising	rising	rising	rising	MAX(23)	fading	fading	fading	fading	min(22)
X HYA	L	X	I	09:35:30.25	-14:41:28.6	301.1	<8.4-12.8>	78	fading	fading	fading	min(9)	rising	rising	rising	MAX(25)	fading	fading	fading	fading	fading	min(4)
Y DRA	L	X	I	09:42:22.58	+77:51:06.5	325.79	<9.2-14.5>	96	MAX(22)	fading	fading	fading	fading	fading	min(10)	rising	rising	rising	rising	MAX(14)	fading	fading
RR HYA	L	X	I	09:44:58.97	-24:01:15.7	343.49	<9.3-14.4>	22	fading	fading	fading	fading	fading	min(17)	rising	rising	rising	rising	MAX(30)	fading	fading	fading
R LMI	L	X	I	09:45:34.27	+34:30:42.8	372.19	<7.1-12.6>	179	rising	MAX(4)	fading	fading	fading	fading	fading	fading	min(11)	rising	rising	rising	rising	MAX(11)
R LEO	L	X	I	09:47:33.48	+11:25:43.7	309.95	<5.8-10.0>	644	rising	rising	rising	rising	MAX(23)	fading	fading	fading	fading	fading	min(4)	rising	rising	rising
Z VEL	L	X	I	09:52:54.28	-54:10:47.8	411.4	<9.0-14.3>	5	fading	fading	fading	fading	fading	fading	min(23)	rising	rising	rising	rising	rising	MAX(15)	fading
S LMI	L	X	I	09:53:43.16	+34:55:35.3	233.83	<8.6-13.9>	85	MAX(21)	fading	fading	fading	fading	min(8)	rising	rising	MAX(12)	fading	fading	fading	min(28)	rising
U LMI	L	X	I	09:54:38.63	+36:05:23.8	272.2	<10.8-12.7>	34	rising	rising	rising	MAX(2)	fading	fading	fading	fading	min(13)	rising	rising	MAX(30)	fading	fading
RV CAR	L	X	I	09:58:20.86	-63:53:51.6	365.68	<11.3-16.2>	17	fading	fading	fading	fading	fading	fading	min(21)	rising	rising	rising	rising	MAX(8)	fading	fading
V LEO	L	X	I	10:00:01.91	+21:15:44.3	273.35	<9.1-13.7>	115	fading	fading	fading	fading	min(15)	rising	rising	rising	MAX(12)	fading	fading	fading	fading	min(13)
S CAR	L	X	I	10:09:21.89	-61:32:56.3	149.49	<5.7-8.5>	216	MAX(26)	fading	fading	min(14)	rising	MAX(25)	fading	fading	min(11)	rising	MAX(21)	fading	fading	min(7)
Z CAR	L	X	I	10:13:54.61	-58:51:08.4	384.01	<10.7-15.2>	4	rising	MAX(1)	fading	fading	fading	fading	fading	min(31)	rising	rising	rising	rising	rising	MAX(20)
W VEL	L	X	I	10:15:14.82	-54:28:41.9	394.72	<8.8-13.6>	4	rising	MAX(22)	fading	fading	fading	fading	fading	fading	min(1)	rising	rising	rising	rising	rising
S SEX	L	X	I	10:34:56.04	-00:20:33.5	264.9	<9.1-13.4>	42	rising	rising	MAX(26)	fading	fading	fading	fading	min(4)	rising	rising	rising	MAX(16)	fading	fading
RZ CAR	L	X	I	10:35:37.25	-70:43:00.1	272.77	<10.0-15.4>	20	rising	rising	rising	MAX(5)	fading	fading	fading	min(28)	rising	rising	rising	rising	MAX(3)	fading
R UMA	L	X	I	10:44:38.46	+68:46:32.7	301.62	<7.5-13.0>	542	fading	fading	fading	fading	min(24)	rising	rising	rising	MAX(4)	fading	fading	fading	fading	fading
RS HYA	L	X	I	10:51:19.05	-28:37:41.3	338.6	<10.0-14.1>	41	MAX(27)	fading	fading	fading	fading	fading	min(27)	rising	rising	rising	rising	MAX(31)	fading	fading
W LEO	L	X	I	10:53:37.44	+13:42:54.2	391.75	<9.8-14.2>	62	rising	rising	MAX(2)	fading	fading	fading	fading	fading	fading	min(9)	rising	rising	rising	rising
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB		
S LEO	L	X	I	11:10:50.76	+05:27:34.8	190.16	<10.1-13.9>	26	fading	fading	min(31)	rising	rising	MAX(30)	fading	fading	fading	min(7)	rising	rising	MAX(6)	fading
RY CAR	L	X	I	11:20:11.38	-61:52:16.8	424.3	<11.0-14.0>	12	rising	rising	MAX(8)	fading	fading	fading	fading	fading	min(19)	rising	rising	rising	rising	rising
RS CEN	L	X	I	11:20:27.9	-61:52:36.8	164.3	<8.6-13.4>	25	rising	MAX(3)	fading	min(24)	rising	rising	MAX(17)	fading	fading	min(6)	rising	MAX(29)	fading	fading

X CEN	L	X	I	11:49:11.79	-41:45:27.2	315.2	<8.0-13.4>	25	rising	rising	MAX(27)	fading	fading	fading	fading	fading	min(21)	rising	rising	rising	rising	MAX(5)
W CEN	L	X	I	11:55:01.33	-59:15:13.4	201.6	<8.5-13.2>	46	min(24)	rising	rising	rising	MAX(1)	fading	fading	min(14)	rising	rising	MAX(18)	fading	fading	fading
R COM	L	X	I	12:04:15.19	+18:46:56.7	362.82	<8.5-14.2>	56	fading	fading	fading	min(12)	rising	rising	rising	rising	MAX(7)	fading	fading	fading	fading	fading
SU VIR	L	X	I	12:05:14.8	+12:21:38	208.6	<9.4-13.6>	54	rising	rising	rising	MAX(3)	fading	fading	min(23)	rising	rising	MAX(28)	fading	fading	fading	min(16)
T VIR	L	X	I	12:14:36.67	-06:02:08.7	339.47	<9.6-14.2>	31	fading	fading	fading	fading	fading	min(8)	rising	rising	rising	MAX(5)	fading	fading	fading	fading
R CRV	L	X	I	12:19:37.86	-19:15:21.8	317.03	<7.5-13.8>	85	fading	fading	fading	min(22)	rising	rising	rising	rising	MAX(10)	fading	fading	fading	fading	fading
SS VIR	L	X	I	12:25:14.4	+00:46:10.9	364.14	<6.8-8.9>	146	rising	rising	rising	rising	rising	MAX(29)	fading	fading	fading	fading	fading	min(9)	rising	rising
T CVN	L	X	I	12:30:12.4	+31:30:11.9	290.09	<9.6-11.9>	106	fading	fading	fading	fading	fading	min(9)	rising	rising	rising	MAX(15)	fading	fading	fading	fading
U CEN	L	X	I	12:33:30.75	-54:39:33.8	220.28	<8.2-13.4>	37	fading	fading	fading	fading	min(1)	rising	rising	MAX(9)	fading	fading	fading	min(7)	rising	rising
Y VIR	L	X	I	12:33:52.98	-04:25:19.5	218.43	<9.4-13.6>	44	rising	MAX(5)	fading	fading	min(21)	rising	rising	rising	MAX(11)	fading	fading	min(26)	rising	rising
T UMA	L	X	I	12:36:23.46	+59:29:12.9	256.6	<7.7-12.9>	533	rising	MAX(7)	fading	fading	fading	fading	min(10)	rising	rising	MAX(22)	fading	fading	fading	fading
R VIR	L	X	I	12:38:29.94	+06:59:18.9	145.63	<6.9-11.5>	244	rising	MAX(25)	fading	fading	min(12)	rising	MAX(21)	fading	fading	min(4)	rising	MAX(13)	fading	min(27)
RS UMA	L	X	I	12:38:57.54	+58:29:00.2	258.97	<9.0-14.3>	310	rising	rising	MAX(26)	fading	fading	fading	fading	min(24)	rising	rising	rising	MAX(10)	fading	fading
S UMA	L	X	I	12:43:56.67	+61:05:35.4	225.87	<7.8-11.7>	711	fading	min(6)	rising	rising	MAX(19)	fading	fading	fading	min(20)	rising	rising	MAX(31)	fading	fading
RU VIR	L	X	I	12:47:18.41	+04:08:41.3	433.2	<10.0-13.3>	74	fading	fading	fading	fading	fading	fading	fading	fading	fading	fading	fading	min(16)	rising	rising
U VIR	L	X	I	12:51:05.74	+05:33:11.5	206.64	<8.2-13.1>	108	min(24)	rising	rising	MAX(30)	fading	fading	fading	min(18)	rising	rising	MAX(22)	fading	fading	fading
RV VIR	L	X	I	13:07:55.39	-13:09:58.8	265.87	<10.8-14.9>	21	rising	rising	MAX(17)	fading	fading	fading	min(23)	rising	rising	rising	MAX(8)	fading	fading	
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB		
V CVN	L	X	I	13:19:27.77	+45:31:37.7	191.89	<6.8-8.8>	588	fading	min(10)	rising	rising	MAX(21)	fading	fading	min(21)	rising	rising	MAX(29)	fading	fading	min(29)
U OCT	L	X	I	13:24:32.62	-84:13:30.9	308.44	<7.9-13.6>	40	fading	fading	fading	min(28)	rising	rising	rising	rising	MAX(21)	fading	fading	fading	fading	fading
V VIR	L	X	I	13:27:48.13	-03:10:22.8	250.08	<8.9-14.3>	29	rising	MAX(28)	fading	fading	fading	fading	min(22)	rising	rising	rising	MAX(5)	fading	fading	fading
R HYA	L	X	I	13:29:42.77	-23:16:52.7	385	<4.5-9.5>	103	fading	fading	fading	fading	fading	min(12)	rising	rising	rising	rising	MAX(21)	fading	fading	fading
S VIR	L	X	I	13:33:00.11	-07:11:40.9	375.1	<7.0-12.7>	110	rising	MAX(15)	fading	fading	fading	fading	fading	min(12)	rising	rising	rising	rising	MAX(25)	
RV CEN	L	X	I	13:37:36.05	-56:28:35	446	<7.7-10.3>	72	rising	rising	rising	rising	rising	rising	MAX(22)	fading	fading	fading	fading	fading	fading	min(13)
T CEN	L	X	I	13:41:45.55	-33:35:50.6	90.6	<5.5-9.0>	167	MAX(13)	fading	min(4)	MAX(14)	fading	min(2)	MAX(13)	fading	min(1)	MAX(12)	min(30)	rising	MAX(10)	min(29)
RT CEN	L	X	I	13:48:20.95	-36:51:45.2	255	<9.0-12.7>	17	rising	rising	MAX(6)	fading	fading	fading	min(12)	rising	rising	rising	MAX(16)	fading	fading	fading
R CVN	L	X	I	13:48:57.05	+39:32:33.2	328.53	<7.7-11.9>	259	fading	min(1)	rising	rising	rising	rising	MAX(11)	fading	fading	fading	fading	min(26)	rising	rising
RX CEN	L	X	I	13:51:25.44	-36:56:37.7	327.9	<9.4>-15.0	7	fading	fading	fading	fading	fading	min(22)	rising	rising	rising	MAX(31)	fading	fading	fading	fading
T APS	L	X	I	13:55:51.18	-77:48:08.3	261.03	<9.1-14.7>	11	fading	fading	min(12)	rising	rising	MAX(23)	fading	fading	fading	fading	min(28)	rising	rising	rising
RR VIR	L	X	I	14:04:53.38	-09:11:41.3	217.52	<11.6-15.5>	12	MAX(19)	fading	fading	fading	min(15)	rising	rising	MAX(25)	fading	fading	fading	min(18)	rising	rising
Z BOO	L	X	I	14:06:29.54	+13:29:05.7	281.14	<9.3-14.8>	87	min(12)	rising	rising	MAX(22)	fading	fading	fading	fading	fading	min(20)	rising	rising	MAX(28)	fading
Z VIR	L	X	I	14:10:21.4	-13:18:14.6	305.71	<10.4-14.9>	19	fading	fading	fading	min(28)	rising	rising	rising	MAX(23)	fading	fading	fading	fading	fading	min(27)
RU HYA	L	X	I	14:11:34.39	-28:53:07.4	331.5	<8.4-14.0>	27	fading	fading	min(7)	rising	rising	MAX(26)	fading	fading	fading	fading	fading	fading	fading	min(1)
U UMI	L	X	I	14:17:19.9	+66:47:39.1	330.92	<8.2-12.0>	294	fading	min(4)	rising	rising	rising	rising	MAX(30)	fading	fading	fading	fading	fading	min(1)	rising
R CAM	L	X	I	14:17:51.03	+83:49:53.7	270.22	<8.3-13.2>	301	rising	MAX(10)	fading	fading	fading	fading	min(11)	rising	rising	rising	MAX(7)	fading	fading	fading
S BOO	L	X	I	14:22:52.91	+53:48:37.2	270.73	<8.4-13.3>	214	fading	fading	fading	fading	min(24)	rising	rising	rising	MAX(22)	fading	fading	fading	fading	min(18)
RS VIR	L	X	I	14:27:16.38	+04:40:41	353.95	<8.1-13.9>	63	rising	rising	rising	MAX(1)	fading	fading	fading	fading	fading	fading	fading	min(4)	rising	rising
R BOO	L	X	I	14:37:11.57	+26:44:11.6	223.4	<7.2-12.3>	494	fading	min(13)	rising	rising	MAX(19)	fading	fading	fading	min(25)	rising	rising	MAX(29)	fading	fading
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB		
V LIB	L	X	I	14:40:22.19	-17:39:27.2	255.3	<9.7-14.7>	27	rising	MAX(9)	fading	fading	fading	fading	min(11)	rising	rising	MAX(23)	fading	fading	fading	fading
S LUP	L	X	I	14:53:26.4	-46:36:56.8	339	<8.6-13.0>	17	fading	fading	fading	min(12)	rising	rising	rising	rising	MAX(7)	fading	fading	fading	fading	
U BOO	L	X	I	14:54:19.96	+17:41:43.6	201.3	9.9-12.8	137	MAX(20)	fading	fading	fading	min(1)	rising	rising	MAX(9)	fading	fading	min(19)	rising	rising	MAX(27)
Y LUP	L	X	I	14:59:36.8	-54:57:56.8	396.82	<9.8-15.1>	2	MAX(19)	fading	fading	fading	fading	fading	fading	min(24)	rising	rising	rising	rising	rising	MAX(20)
RT LIB	L	X	I	15:06:26.23	-18:43:56.3	265	<9.0-14.3>	42	MAX(9)	fading	fading	fading	min(28)	rising	rising	rising	rising	MAX(1)	fading	fading	fading	min(17)

T LIB	L	X	I	15:10:44.3	-20:01:08.3	237.5	<10.9-15.2>	23	rising	MAX(15)	fading	fading	fading	fading	min(6)	rising	rising	MAX(10)	fading	fading	fading	min(29)
Y LIB	L	X	I	15:11:41.3	-06:00:41.3	275.7	<8.6-14.1>	66	rising	rising	rising	MAX(2)	fading	fading	fading	fading	min(9)	rising	rising	rising	MAX(2)	fading
S CRB	L	X	I	15:21:23.95	+31:22:02.6	360.26	<7.3-12.9>	483	fading	fading	fading	fading	min(16)	rising	rising	rising	MAX(20)	fading	fading	fading	fading	fading
S LIB	L	X	I	15:21:23.98	-20:23:18.3	192.9	<8.4-12.0>	48	rising	rising	MAX(21)	fading	fading	min(22)	rising	rising	MAX(30)	fading	fading	fading	min(1)	rising
S SER	L	X	I	15:21:39.53	+14:18:53.1	371.84	<8.7-13.5>	117	fading	fading	fading	min(6)	rising	rising	rising	rising	MAX(12)	fading	fading	fading	fading	fading
RS LIB	L	X	I	15:24:19.79	-22:54:39.8	217.65	<7.5-12.0>	26	min(18)	rising	rising	MAX(21)	fading	fading	fading	min(23)	rising	rising	MAX(24)	fading	fading	fading
S UMI	L	X	I	15:29:34.56	+78:38:00.3	331	<8.4-12.0>	340	rising	rising	MAX(24)	fading	fading	fading	fading	min(24)	rising	rising	rising	rising	rising	MAX(18)
RU LIB	L	X	I	15:33:16.5	-15:19:35	316.56	<8.1-14.0>	43	fading	min(27)	rising	rising	rising	rising	MAX(24)	fading	fading	fading	fading	fading	min(9)	rising
X LIB	L	X	I	15:36:12.66	-21:09:03.8	164.38	<11.0-13.5>	30	MAX(16)	fading	fading	min(24)	rising	MAX(30)	fading	fading	fading	min(5)	rising	MAX(11)	fading	fading
W LIB	L	X	I	15:37:47.94	-16:09:57.3	205.5	<11.1-15.0>	20	fading	min(1)	rising	rising	MAX(3)	fading	fading	min(25)	rising	rising	MAX(25)	fading	fading	fading
U LIB	L	X	I	15:42:03.11	-21:10:50.5	226.59	<9.6-14.4>	27	fading	fading	min(15)	rising	rising	MAX(21)	fading	fading	fading	min(27)	rising	rising	rising	MAX(3)
T NOR	L	X	I	15:44:03.83	-54:59:12.5	240.7	<7.4-13.2>	16	fading	fading	fading	fading	min(11)	rising	rising	MAX(10)	fading	fading	fading	fading	min(7)	rising
X CRB	L	X	I	15:48:53.52	+36:14:52.5	241.17	<9.1-13.6>	124	fading	fading	min(10)	rising	rising	rising	MAX(6)	fading	fading	fading	min(6)	rising	rising	rising
V CRB	L	X	I	15:49:31.31	+39:34:17.9	357.63	<7.5-11.0>	294	fading	fading	fading	fading	fading	fading	min(22)	rising	rising	rising	rising	MAX(11)	fading	fading
R SER	L	X	I	15:50:41.73	+15:08:01.1	356.41	<6.9-13.4>	274	fading	fading	fading	min(28)	rising	rising	rising	rising	MAX(11)	fading	fading	fading	fading	fading
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB		
R LUP	L	X	I	15:53:28.93	-36:17:52.1	235.62	<10.1-14.1>	21	rising	MAX(22)	fading	fading	fading	min(26)	rising	rising	rising	MAX(16)	fading	fading	fading	min(16)
R LIB	L	X	I	15:53:36.03	-16:14:11.3	241.85	<10.3-14.8>	33	fading	fading	min(13)	rising	rising	MAX(16)	fading	fading	fading	fading	min(10)	rising	rising	MAX(13)
Z CRB	L	X	I	15:56:08.35	+29:14:17.9	250.68	<10.0-14.6>	113	MAX(6)	fading	fading	fading	min(28)	rising	rising	MAX(14)	fading	fading	fading	fading	fading	min(2)
RR LIB	L	X	I	15:56:23.7	-18:18:14.9	277.01	<8.6-14.2>	38	fading	min(18)	rising	rising	rising	rising	MAX(1)	fading	fading	fading	min(22)	rising	rising	rising
RZ SCO	L	X	I	16:04:36.12	-24:06:00.6	156.6	<8.8-12.2>	91	MAX(2)	fading	min(24)	rising	rising	MAX(7)	fading	min(28)	rising	rising	MAX(11)	fading	min(31)	rising
Z SCO	L	X	I	16:06:00.7	-21:43:59.5	353	<9.2-13.4>	44	fading	fading	fading	min(23)	rising	rising	rising	rising	rising	MAX(5)	fading	fading	fading	fading
R HER	L	X	I	16:06:11.7	+18:22:13.2	318.14	<8.8-14.6>	79	MAX(4)	fading	fading	fading	fading	fading	min(17)	rising	rising	rising	MAX(18)	fading	fading	fading
U SER	L	X	I	16:07:17.65	+09:55:52.5	237.5	<8.5-13.4>	116	MAX(24)	fading	fading	fading	min(29)	rising	rising	rising	MAX(19)	fading	fading	fading	min(21)	rising
X SCO	L	X	I	16:08:31.91	-21:31:50.3	199.86	<11.0-14.3>	24	rising	rising	MAX(24)	fading	fading	min(30)	rising	rising	rising	MAX(10)	fading	fading	min(16)	rising
RU HER	L	X	I	16:10:14.52	+25:04:14.4	484.83	<8.0-13.7>	119	rising	rising	rising	MAX(17)	fading	fading	fading	fading	fading	fading	fading	fading	min(13)	rising
W SCO	L	X	I	16:11:45.78	-20:08:13.4	221.27	<11.5-14.6>	22	fading	fading	min(10)	rising	rising	MAX(24)	fading	fading	fading	min(18)	rising	rising	MAX(31)	fading
W CRB	L	X	I	16:15:24.54	+37:47:44.1	238.4	<8.5-13.5>	195	min(6)	rising	rising	MAX(16)	fading	fading	fading	fading	min(1)	rising	rising	MAX(11)	fading	fading
R SCO	L	X	I	16:17:39.06	-22:56:40.4	224.61	<10.4-15.0>	52	rising	rising	MAX(25)	fading	fading	fading	min(23)	rising	rising	rising	MAX(4)	fading	fading	fading
S SCO	L	X	I	16:17:40.2	-22:53:35.8	177.92	<10.5-14.6>	43	min(12)	rising	rising	MAX(10)	fading	fading	min(9)	rising	rising	MAX(5)	fading	fading	min(3)	rising
W OPH	L	X	I	16:21:24.46	-07:42:00.2	332.68	<9.9-14.5>	45	rising	MAX(26)	fading	fading	fading	fading	fading	min(11)	rising	rising	rising	MAX(24)	fading	
U HER	L	X	I	16:25:47.46	+18:53:32.8	406.1	<7.5-12.5>	255	fading	fading	fading	fading	fading	fading	min(6)	rising	rising	rising	rising	MAX(18)	fading	
V OPH	L	X	I	16:26:43.7	-12:25:35.7	297.21	<7.5-10.2>	98	fading	fading	min(16)	rising	rising	rising	rising	MAX(3)	fading	fading	fading	fading	min(7)	rising
Y SCO	L	X	I	16:29:26.42	-19:20:50.7	351.88	<11.3-15.0>	19	rising	MAX(28)	fading	fading	fading	fading	fading	min(14)	rising	rising	rising	rising	MAX(15)	
R UMI	L	X	I	16:29:57.9	+72:16:49.1	325.7	<9.1-10.4>	212	min(28)	rising	rising	rising	rising	rising	MAX(12)	fading	fading	fading	fading	min(20)	rising	rising
R DRA	L	X	I	16:32:40.22	+66:45:17.8	245.6	<7.6-12.4>	402	rising	MAX(27)	fading	fading	fading	fading	min(6)	rising	rising	MAX(30)	fading	fading	fading	fading
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB		
SS HER	L	X	I	16:32:55.54	+06:51:29.6	107.36	<9.2-12.4>	121	MAX(4)	fading	min(6)	MAX(22)	fading	min(21)	rising	MAX(7)	fading	min(6)	MAX(22)	fading	min(22)	rising
T OPH	L	X	I	16:33:43.54	-16:07:54.3	366.82	<9.8-14.0>	33	fading	fading	min(3)	rising	rising	MAX(18)	fading	fading	fading	fading	fading	fading	fading	fading
S OPH	L	X	I	16:34:15.22	-17:09:39.2	233.51	<9.5-14.5>	54	rising	MAX(2)	fading	fading	fading	min(13)	rising	rising	MAX(24)	fading	fading	fading	fading	min(1)
W HER	L	X	I	16:35:12.31	+37:20:43	280.03	<8.3-13.5>	332	rising	rising	rising	MAX(18)	fading	fading	fading	fading	min(7)	rising	rising	rising	MAX(23)	fading
RR OPH	L	X	I	16:49:02.46	-19:27:52.3	292.03	<8.9-14.6>	59	rising	MAX(21)	fading	fading	fading	fading	fading	min(1)	rising	rising	rising	MAX(10)	fading	fading
S HER	L	X	I	16:51:53.92	+14:56:30.6	307.28	<7.6-12.6>	327	fading	min(26)	rising	rising	rising	rising	MAX(10)	fading	fading	fading	fading	min(31)	rising	rising
RS SCO	L	X	I	16:55:37.8	-45:06:10.8	319.91	<7.0-12.2>	82	fading	fading	fading	fading	fading	min(21)	rising	rising	rising	rising	MAX(12)	fading	fading	fading

RR SCO	L X I	16:56:37.84	-30:34:48.2	281.45	<5.9-11.8>	115	fading	min(16)	rising	rising	rising	rising	MAX(4)	fading	fading	fading	min(25)	rising	rising	rising
SS OPH	L X I	16:57:50.99	-02:45:42.4	180.64	<8.7-13.5>	56	fading	min(4)	rising	rising	MAX(1)	fading	fading	min(3)	rising	MAX(28)	fading	fading	min(31)	rising
RV HER	L X I	17:00:33.24	+31:13:24	205.23	<10.1-14.8>	101	min(8)	rising	rising	MAX(5)	fading	fading	fading	min(1)	rising	MAX(27)	fading	fading	fading	min(23)
RT SCO	L X I	17:03:32.56	-36:55:13.6	449.04	<8.2>-14.6	29	min(21)	rising	rising	rising	rising	rising	MAX(24)	fading	fading	fading	fading	fading	fading	fading
R OPH	L X I	17:07:45.82	-16:05:34.1	306.5	<7.6-13.3>	43	fading	fading	fading	fading	fading	min(12)	rising	rising	rising	MAX(29)	fading	fading	fading	fading
RT HER	L X I	17:10:48.01	+27:03:59.1	298.08	<9.4-15.0>	42	fading	fading	fading	fading	min(9)	rising	rising	rising	MAX(4)	fading	fading	fading	fading	fading
RW SCO	L X I	17:14:51.67	-33:25:54.5	388.45	<9.6>-15.0	18	fading	fading	fading	fading	min(1)	rising	rising	rising	rising	MAX(2)	fading	fading	fading	fading
Z OPH	L X I	17:19:32.11	+01:30:54.2	348.7	<8.1-12.7>	99	fading	fading	fading	fading	fading	min(9)	rising	rising	rising	MAX(25)	fading	fading	fading	fading
RS HER	L X I	17:21:42.35	+22:55:24.9	219.7	<7.9-12.5>	362	rising	rising	rising	MAX(13)	fading	fading	fading	min(4)	rising	rising	MAX(18)	fading	fading	fading
RU OPH	L X I	17:32:52.63	+09:25:24.8	202.29	<9.3-13.8>	35	MAX(7)	fading	fading	min(21)	rising	rising	MAX(29)	fading	fading	fading	min(9)	rising	rising	MAX(16)
RU SCO	L X I	17:42:25.2	-43:45:01.2	370.75	<9.0-13.0>	1	MAX(10)	fading	fading	fading	fading	min(24)	rising	rising	rising	rising	rising	rising	MAX(16)	fading
SV SCO	L X I	17:48:19.99	-35:42:04.7	262	<9.8-14.8>	12	fading	min(18)	rising	rising	rising	rising	MAX(8)	fading	fading	fading	min(7)	rising	rising	rising
W PAV	L X I	17:50:26.94	-62:24:33	283.35	<9.0-14.1>	9	rising	rising	rising	MAX(17)	fading	fading	fading	fading	fading	min(3)	rising	rising	MAX(26)	fading
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
U ARA	L X I	17:53:37.61	-51:41:14.3	225.21	<8.4-13.6>	22	MAX(16)	fading	fading	fading	min(18)	rising	rising	MAX(29)	fading	fading	fading	min(30)	rising	rising
T DRA	L X I	17:56:23.31	+58:13:06.2	421.62	<9.6-12.3>	107	fading	fading	min(20)	rising	rising	rising	rising	rising	MAX(25)	fading	fading	fading	fading	fading
RT OPH	L X I	17:56:32.04	+11:10:10	426.34	<9.6-15.1>	67	fading	fading	fading	fading	min(5)	rising	rising	rising	rising	rising	MAX(9)	fading	fading	fading
V DRA	L X I	17:58:14.52	+54:52:18	278.33	<9.9-14.2>	45	rising	MAX(22)	fading	fading	fading	fading	min(12)	rising	rising	rising	MAX(28)	fading	fading	fading
RY HER	L X I	17:59:44.77	+19:28:53.6	221.47	<9.0-13.8>	83	rising	MAX(13)	fading	fading	fading	min(14)	rising	rising	MAX(23)	fading	fading	fading	min(21)	rising
W DRA	L X I	18:05:34.66	+65:57:21.8	278.6	<9.6-14.4>	92	min(5)	rising	rising	rising	MAX(14)	fading	fading	fading	fading	min(10)	rising	rising	rising	MAX(16)
X DRA	L X I	18:06:52.23	+66:09:19.1	257.33	<11.0-14.7>	29	fading	fading	fading	min(8)	rising	rising	MAX(29)	fading	fading	fading	fading	min(22)	rising	rising
S OCT	L X I	18:08:44.49	-86:47:55.6	259	<8.4-13.5>	37	fading	fading	min(8)	rising	rising	rising	MAX(2)	fading	fading	fading	min(22)	rising	rising	rising
T HER	L X I	18:09:06.2	+31:01:16.2	164.98	<8.0-12.8>	383	min(27)	rising	rising	MAX(14)	fading	fading	min(11)	rising	MAX(26)	fading	fading	min(23)	rising	rising
R PAV	L X I	18:12:52.96	-63:36:57.3	229.46	<8.5-13.0>	28	min(5)	rising	rising	MAX(25)	fading	fading	fading	min(23)	rising	rising	rising	MAX(11)	fading	fading
TV HER	L X I	18:14:40.55	+31:49:09.5	304.28	<9.7-14.5>	100	MAX(23)	fading	fading	fading	fading	fading	fading	min(7)	rising	rising	MAX(24)	fading	fading	fading
W LYR	L X I	18:14:55.87	+36:40:13.1	197.88	<7.9-12.2>	426	fading	fading	min(4)	rising	rising	MAX(6)	fading	fading	min(18)	rising	rising	MAX(21)	fading	fading
RY OPH	L X I	18:16:36.94	+03:41:35.3	150.41	<8.2-13.2>	104	MAX(12)	fading	fading	min(7)	rising	MAX(12)	fading	fading	min(5)	rising	MAX(9)	fading	fading	min(2)
SV HER	L X I	18:26:23.08	+25:01:33	238.99	<9.8-14.4>	81	rising	rising	MAX(10)	fading	fading	fading	min(17)	rising	rising	rising	MAX(4)	fading	fading	fading
RV SGR	L X I	18:27:56.08	-33:19:29.3	315.85	<7.8-14.1>	38	fading	min(2)	rising	rising	rising	MAX(29)	fading	fading	fading	fading	fading	min(15)	rising	rising
T SER	L X I	18:28:48.73	+06:17:53	338.12	<9.7-15.0>	37	min(22)	rising	rising	rising	rising	rising	MAX(1)	fading	fading	fading	fading	min(26)	rising	rising
SV DRA	L X I	18:33:38.41	+49:22:19.8	256.24	<9.7-14.3>	53	fading	fading	min(27)	rising	rising	rising	rising	MAX(13)	fading	fading	fading	min(8)	rising	rising
RZ HER	L X I	18:36:47.01	+26:02:57.3	329.05	<9.5-14.9>	37	rising	rising	MAX(18)	fading	fading	fading	fading	fading	min(27)	rising	rising	rising	rising	MAX(10)
X OPH	L X I	18:38:21.13	+08:50:02.7	328.85	<6.8-8.8>	450	fading	fading	fading	min(27)	rising	rising	rising	rising	rising	MAX(12)	fading	fading	fading	fading
RY LYR	L X I	18:44:52.1	+34:40:33.3	325.79	<9.8-14.7>	78	fading	fading	min(18)	rising	rising	rising	MAX(29)	fading	fading	fading	fading	fading	fading	min(7)
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
RW LYR	L X I	18:45:10.11	+43:38:07.5	503.75	<11.3-15.6>	17	fading	fading	fading	fading	fading	fading	fading	fading	fading	min(25)	rising	rising	rising	rising
RX LYR	L X I	18:54:10.01	+32:49:51.2	247.82	<11.9-(15.5)>	66	fading	fading	fading	fading	min(12)	rising	rising	MAX(22)	fading	fading	fading	fading	min(15)	rising
Z LYR	L X I	18:59:36.79	+34:57:16.3	291.7	<10.1-14.8>	48	rising	MAX(12)	fading	fading	fading	min(30)	rising	rising	rising	rising	MAX(30)	fading	fading	fading
RT LYR	L X I	19:01:14.88	+37:31:19.9	253.7	<10.1-14.6>	54	fading	fading	min(14)	rising	rising	rising	MAX(7)	fading	fading	fading	min(22)	rising	rising	rising
ST SGR	L X I	19:01:29.22	-12:45:33.9	395.12	<9.0-15.2>	32	fading	fading	min(21)	rising	rising	rising	rising	MAX(26)	fading	fading	fading	fading	fading	fading
R AQL	L X I	19:06:22.24	+08:13:48	279	<6.1-11.5>	458	rising	rising	MAX(10)	fading	fading	fading	min(17)	rising	rising	rising	rising	MAX(14)	fading	fading
V LYR	L X I	19:09:04.54	+29:39:29.6	373.53	<9.7-14.8>	78	fading	min(12)	rising	rising	rising	MAX(13)	fading	fading	fading	fading	fading	fading	fading	min(20)
U DRA	L X I	19:10:00.64	+67:16:36.5	316.13	<9.5-13.8>	55	MAX(30)	fading	fading	fading	fading	fading	min(16)	rising	rising	rising	rising	MAX(12)	fading	fading
RU LYR	L X I	19:12:21.24	+41:18:13.5	371.84	<10.6-15.1>	32	fading	fading	fading	min(10)	rising	rising	rising	rising	MAX(17)	fading	fading	fading	fading	fading

RS LYR	L	X	I	19:13:01.32	+33:24:49.1	301.41	<10.2-15.0>	26	rising	rising	MAX(23)	fading	fading	fading	fading	min(24)	rising	rising	rising	rising	MAX(19)	fading	
S LYR	L	X	I	19:13:11.8	+26:00:28.2	438.4	<10.8-15.2>	25	MAX(26)	fading	fading	fading	fading	fading	fading	fading	min(9)	rising	rising	rising	rising	rising	
RX SGR	L	X	I	19:14:32.64	-18:48:42.9	335.23	<9.7-13.8>	33	fading	fading	min(5)	rising	rising	rising	rising	MAX(14)	fading	fading	fading	fading	fading	min(3)	
W AQL	L	X	I	19:15:23.38	-07:02:50.3	490.43	<8.3-14.0>	23	MAX(6)	fading	fading	fading	fading	fading	fading	fading	fading	min(20)	rising	rising	rising	rising	
T SGR	L	X	I	19:16:14.44	-16:58:17.1	394.66	<8.0-12.6>	65	fading	min(22)	rising	rising	rising	rising	rising	rising	MAX(6)	fading	fading	fading	fading	fading	
R SGR	L	X	I	19:16:41.8	-19:18:27.6	269.84	<7.3-12.5>	74	min(21)	rising	rising	rising	MAX(17)	fading	fading	fading	fading	min(18)	rising	rising	rising	MAX(11)	
TY SGR	L	X	I	19:17:42.82	-23:56:24.6	325.41	<9.8-15.0>	31	rising	rising	rising	rising	MAX(18)	fading	fading	fading	fading	fading	min(21)	rising	rising	rising	
S SGR	L	X	I	19:19:25.91	-19:01:24.4	230.64	<10.2-14.8>	34	fading	min(13)	rising	rising	MAX(28)	fading	fading	fading	fading	min(1)	rising	rising	MAX(13)	fading	
Z SGR	L	X	I	19:19:43.23	-20:55:34.7	450.41	<8.6-16.0>	10	rising	MAX(2)	fading	fading	fading	fading	fading	fading	min(27)	rising	rising	rising	rising	rising	
SW SGR	L	X	I	19:19:52.45	-31:42:53.8	289.9	<10.0-(13.4)>	22	rising	MAX(4)	fading	fading	fading	min(23)	rising	rising	rising	rising	MAX(21)	fading	fading	fading	
U LYR	L	X	I	19:20:09.15	+37:52:36	451.72	<9.5-12.0>	124	rising	rising	rising	MAX(21)	fading	fading	fading	fading	fading	fading	min(26)	rising	rising	rising	
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB			
TY CYG	L	X	I	19:33:51.89	+28:19:43.7	349	<9.5-14.6>	65	rising	rising	rising	rising	MAX(10)	fading	fading	fading	fading	fading	min(3)	rising	rising	rising	
R CYG	L	X	I	19:36:49.38	+50:11:59.4	426.45	<7.5-13.9>	418	rising	rising	rising	MAX(18)	fading	fading	fading	fading	fading	fading	fading	fading	fading	min(23)	rising
RT AQL	L	X	I	19:38:01.6	+11:43:18.1	327.11	<8.4-14.0>	103	fading	min(15)	rising	rising	rising	MAX(23)	fading	fading	fading	fading	fading	fading	fading	min(8)	rising
RV AQL	L	X	I	19:40:43.06	+09:55:51.4	218.6	<9.0-14.2>	55	fading	fading	min(13)	rising	rising	MAX(17)	fading	fading	fading	min(17)	rising	rising	MAX(21)	fading	
RT CYG	L	X	I	19:43:37.77	+48:46:41.3	190.28	<7.3-11.8>	540	rising	MAX(17)	fading	fading	fading	min(4)	rising	MAX(26)	fading	fading	fading	min(12)	rising	rising	
TU CYG	L	X	I	19:46:10.67	+49:04:24.4	219.44	<9.4-14.2>	162	fading	fading	min(11)	rising	rising	MAX(30)	fading	fading	fading	min(17)	rising	rising	rising	MAX(5)	
KHI CYG	L	X	I	19:50:33.91	+32:54:50.6	408.05	<5.2-13.4>	672	rising	MAX(9)	fading	fading	fading	fading	fading	fading	min(1)	rising	rising	rising	rising	rising	
T PAV	L	X	I	19:50:43.48	-71:46:17.2	243.62	<8.0-13.8>	25	fading	fading	min(21)	rising	rising	MAX(28)	fading	fading	fading	fading	min(19)	rising	rising	MAX(26)	
X AQL	L	X	I	19:51:29.8	+04:27:51.6	347.04	<8.9-14.9>	48	rising	rising	MAX(12)	fading	fading	fading	fading	fading	min(16)	rising	rising	rising	rising	MAX(22)	
S PAV	L	X	I	19:55:13.96	-59:11:44.3	380.86	<7.2-9.3>	61	fading	fading	fading	fading	fading	min(8)	rising	rising	rising	rising	rising	MAX(7)	fading	fading	
RR SGR	L	X	I	19:55:56.42	-29:11:24.1	336.33	<6.8-13.2>	42	fading	fading	fading	min(24)	rising	rising	rising	rising	MAX(11)	fading	fading	fading	fading	fading	
RR AQL	L	X	I	19:57:36.06	-01:53:11.2	394.78	<9.0-13.9>	21	rising	rising	MAX(21)	fading	fading	fading	fading	fading	fading	fading	fading	min(18)	rising	rising	
RU SGR	L	X	I	19:58:42.87	-41:50:57.9	240.49	<7.2-12.8>	37	MAX(31)	fading	fading	fading	fading	min(18)	rising	rising	MAX(29)	fading	fading	fading	fading	min(14)	
RS AQL	L	X	I	19:59:06.58	-07:53:02.5	410.12	<9.7-15.2>	15	rising	MAX(25)	fading	fading	fading	fading	fading	fading	min(30)	rising	rising	rising	rising	rising	
Z CYG	L	X	I	20:01:27.46	+50:02:32.6	263.69	<8.7-13.3>	223	min(8)	rising	rising	rising	MAX(2)	fading	fading	fading	min(29)	rising	rising	rising	MAX(20)	fading	
S CYG	L	X	I	20:05:29.84	+57:59:09	322.93	<10.3-16.0>	48	fading	min(19)	rising	rising	rising	rising	MAX(23)	fading	fading	fading	fading	fading	fading	min(8)	rising
SY AQL	L	X	I	20:07:05.4	+12:57:06.3	355.92	<9.5-14.4>	37	fading	fading	fading	fading	min(13)	rising	rising	rising	MAX(3)	fading	fading	fading	fading	fading	
R CAP	L	X	I	20:11:18.34	-14:16:03.3	345.13	<10.6-13.6>	41	fading	fading	fading	fading	fading	min(30)	rising	rising	rising	rising	MAX(30)	fading	fading	fading	
S AQL	L	X	I	20:11:37.47	+15:37:14.5	146.45	<8.9-12.4>	98	MAX(15)	fading	fading	min(6)	rising	MAX(10)	fading	min(31)	rising	rising	MAX(4)	fading	min(24)	rising	
RU AQL	L	X	I	20:12:44.82	+12:59:41.2	274.24	<9.4-14.0>	42	rising	rising	rising	MAX(10)	fading	fading	fading	fading	min(12)	rising	rising	rising	MAX(9)	fading	
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB			
RS CYG	L	X	I	20:13:23.65	+38:43:44.5	417.39	<7.2-9.0>	362	rising	rising	rising	rising	rising	MAX(21)	fading	fading	fading	fading	fading	fading	fading	min(3)	
W CAP	L	X	I	20:14:29	-21:58:45	209.67	<11.7-14.8>	14	fading	fading	min(17)	rising	rising	MAX(6)	fading	fading	min(12)	rising	rising	rising	MAX(31)	fading	
R TEL	L	X	I	20:14:45.11	-46:58:54.9	461.88	<8.6-14.8>	1	min(8)	rising	rising	rising	rising	MAX(23)	fading	fading	fading	fading	fading	fading	fading	fading	
R DEL	L	X	I	20:14:55.14	+09:05:21	285.07	<8.3-13.3>	97	fading	fading	min(23)	rising	rising	rising	MAX(26)	fading	fading	fading	fading	fading	fading	min(2)	rising
Z AQL	L	X	I	20:15:11.03	-06:09:03.8	129.22	<9.0-13.9>	63	fading	min(11)	rising	MAX(10)	fading	min(20)	rising	MAX(17)	fading	min(28)	rising	MAX(25)	fading	fading	
SX CYG	L	X	I	20:15:33.52	+31:04:20.1	411.02	<9.0-14.3>	41	rising	MAX(16)	fading	fading	fading	fading	fading	fading	min(17)	rising	rising	rising	rising	rising	
RT SGR	L	X	I	20:17:43.64	-39:06:46	306.46	<7.0-13.3>	6	rising	rising	MAX(11)	fading	fading	fading	fading	min(18)	rising	rising	rising	rising	MAX(12)	fading	
WX CYG	L	X	I	20:18:33.26	+37:26:59.1	410.45	<9.7-12.6>	112	rising	MAX(17)	fading	fading	fading	fading	fading	min(17)	rising	rising	rising	rising	rising	rising	
U CYG	L	X	I	20:19:36.59	+47:53:39	463.24	<7.2-10.7>	411	rising	rising	rising	rising	MAX(16)	fading	fading	fading	fading	fading	fading	fading	fading	min(11)	rising
U MIC	L	X	I	20:29:15.77	-40:25:01.3	334.29	<8.8-14.0>	6	rising	rising	MAX(6)	fading	fading	fading	fading	fading	min(30)	rising	rising	rising	rising	MAX(4)	
ST CYG	L	X	I	20:32:33.48	+54:57:00.5	337.29	<9.9-13.9>	37	fading	fading	fading	fading	min(26)	rising	rising	rising	rising	rising	MAX(1)	fading	fading	fading	

RU CAP	L	X	I	20:32:34.01	-21:41:25.5	347.37	<9.7-15.1>	22	rising	MAX(14)	fading	fading	fading	fading	fading	fading	min(27)	rising	rising	rising	MAX(28)	fading	
Z DEL	L	X	I	20:32:39.14	+17:27:03.3	304.48	<8.8-14.5>	106	fading	min(27)	rising	rising	rising	rising	rising	MAX(1)	fading	fading	fading	min(29)	rising	rising	
R MIC	L	X	I	20:40:02.99	-28:47:31.2	138.62	<9.2-13.4>	37	fading	fading	min(15)	rising	MAX(18)	fading	min(31)	rising	rising	MAX(4)	fading	min(17)	rising	MAX(19)	
V CYG	L	X	I	20:41:18.27	+48:08:28.7	421.27	<9.1-12.8>	115	rising	rising	rising	rising	rising	MAX(24)	fading	fading	fading	fading	fading	fading	fading	min(4)	
Y DEL	L	X	I	20:41:38.99	+11:52:38.4	468.4	<9.9-14.0>	66	fading	fading	fading	min(16)	rising	rising	rising	rising	rising	rising	MAX(18)	fading	fading	fading	
S DEL	L	X	I	20:43:04.87	+17:05:17.3	277.75	<8.8-12.0>	237	min(26)	rising	rising	rising	rising	MAX(17)	fading	fading	fading	min(31)	rising	rising	rising	rising	
Y AQR	L	X	I	20:44:25.07	-04:50:00.5	382.34	<9.4-14.8>	48	rising	rising	rising	rising	MAX(17)	fading	fading	fading	fading	fading	fading	min(24)	rising	rising	
T DEL	L	X	I	20:45:21.04	+16:23:55.8	332.02	<9.3-14.8>	106	fading	fading	fading	fading	min(26)	rising	rising	rising	rising	MAX(25)	fading	fading	fading	fading	
W AQR	L	X	I	20:46:25.01	-04:05:00.3	381.1	<8.9-14.2>	68	fading	fading	fading	min(14)	rising	rising	rising	rising	rising	MAX(10)	fading	fading	fading	fading	
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB			
V DEL	L	X	I	20:47:46.06	+19:20:06.2	533	<10.1-15.5>	25	rising	rising	rising	MAX(25)	fading	fading	fading	fading	fading	fading	fading	fading	fading	min(24)	
U CAP	L	X	I	20:48:08.59	-14:47:00.9	203.14	<11.1-14.8>	12	rising	MAX(5)	fading	fading	min(27)	rising	rising	MAX(27)	fading	fading	fading	min(16)	rising	rising	
T AQR	L	X	I	20:49:56.4	-05:08:48	202.1	<7.7-13.1>	107	min(11)	rising	rising	MAX(16)	fading	fading	fading	min(1)	rising	rising	MAX(4)	fading	fading	min(19)	
RZ CYG	L	X	I	20:51:53.19	+47:21:20.4	275.69	<10.5-13.0>	34	fading	fading	min(5)	rising	rising	MAX(17)	fading	fading	fading	fading	fading	min(5)	rising	rising	
X DEL	L	X	I	20:54:54.13	+17:38:29.9	281.04	<9.0-14.1>	105	rising	rising	rising	MAX(15)	fading	fading	fading	fading	min(27)	rising	rising	rising	MAX(21)	fading	
UX CYG	L	X	I	20:55:05.51	+30:24:52	565	<9.7-14.7>	14	fading	min(5)	rising	rising	rising	rising	rising	MAX(7)	fading	fading	fading	fading	fading	fading	
X CEP	L	X	I	20:56:09.39	+83:03:26.2	535.19	<9.4-15.7>	59	rising	rising	rising	rising	MAX(25)	fading	fading	fading	fading	fading	fading	fading	fading	fading	
S IND	L	X	I	20:56:23.27	-54:19:26.7	399.95	<8.2-15>	24	fading	fading	min(19)	rising	rising	rising	rising	MAX(8)	fading	fading	fading	fading	fading	fading	
RR CAP	L	X	I	21:02:20.77	-27:05:14.8	277.54	<9.3-14.5>	20	fading	fading	fading	fading	fading	min(2)	rising	rising	MAX(22)	fading	fading	fading	fading	fading	
R VUL	L	X	I	21:04:22.5	+23:49:18	136.73	<8.1-12.6>	133	MAX(8)	fading	min(20)	rising	MAX(24)	fading	fading	min(3)	rising	MAX(8)	fading	min(18)	rising	MAX(22)	
TW CYG	L	X	I	21:05:59.69	+29:24:21.3	340.86	<10.0-14.5>	44	rising	rising	rising	rising	MAX(7)	fading	fading	fading	fading	min(29)	rising	rising	rising	rising	
V CAP	L	X	I	21:07:36.64	-23:55:13.5	275.72	<9.2>-14.4	20	fading	fading	fading	fading	min(18)	rising	rising	rising	MAX(6)	fading	fading	fading	fading	min(17)	
X CAP	L	X	I	21:08:33.01	-21:20:51.7	217.94	<11.1-14.8>	11	fading	fading	min(21)	rising	rising	rising	MAX(1)	fading	fading	min(25)	rising	rising	rising	MAX(4)	
T CEP	L	X	I	21:09:31.78	+68:29:27.2	388.14	<6.0-10.3>	858	rising	MAX(20)	fading	fading	fading	fading	fading	min(21)	rising	rising	rising	rising	rising	rising	
Z CAP	L	X	I	21:10:37.51	-16:10:25.2	181.48	<9.5-14.0>	49	rising	rising	MAX(6)	fading	fading	min(13)	rising	rising	MAX(4)	fading	fading	min(12)	rising	rising	
RS AQR	L	X	I	21:10:58.12	-04:01:40.1	214.62	<10.0-14.0>	49	fading	min(9)	rising	rising	MAX(17)	fading	fading	fading	min(11)	rising	rising	MAX(17)	fading	fading	
R EQU	L	X	I	21:13:11.49	+12:48:06.1	260.76	<9.3-14.5>	74	fading	min(16)	rising	rising	rising	MAX(11)	fading	fading	fading	fading	min(4)	rising	rising	MAX(27)	
RR AQR	L	X	I	21:15:01.27	-02:53:45.2	182.45	<9.5-13.9>	44	rising	MAX(11)	fading	fading	min(31)	rising	rising	MAX(13)	fading	fading	min(30)	rising	rising	MAX(11)	
X PEG	L	X	I	21:20:59.84	+14:27:00.3	201.2	<9.4-13.8>	38	fading	min(4)	rising	rising	MAX(19)	fading	fading	min(24)	rising	rising	rising	MAX(6)	fading	fading	
T CAP	L	X	I	21:22:00.82	-15:09:33	269.28	<9.5-13.9>	47	fading	fading	fading	min(3)	rising	rising	MAX(29)	fading	fading	fading	fading	min(29)	rising	rising	
NAME	LINKS	R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB			
S MIC	L	X	I	21:26:44.09	-29:51:04.7	209.68	<9.0-13.8>	24	fading	min(21)	rising	rising	MAX(23)	fading	fading	fading	min(18)	rising	rising	MAX(18)	fading	fading	
Y CAP	L	X	I	21:34:22.92	-13:58:29.3	411.76	<11.6-14.8>	10	rising	rising	rising	rising	MAX(22)	fading	fading	fading	fading	fading	fading	min(13)	rising	rising	
S CEP	L	X	I	21:35:12.83	+78:37:28.1	486.84	<8.3-11.2>	322	fading	min(14)	rising	rising	rising	rising	rising	rising	rising	MAX(16)	fading	fading	fading	fading	
RU CYG	L	X	I	21:40:39.08	+54:19:28.8	233.43	<8.0-9.4>	154	rising	rising	rising	MAX(28)	fading	fading	fading	min(15)	rising	rising	rising	MAX(18)	fading	fading	
RR PEG	L	X	I	21:44:30.59	+25:00:26.3	264.05	<9.2-14.1>	30	rising	rising	MAX(12)	fading	fading	fading	fading	min(6)	rising	rising	rising	MAX(1)	fading	fading	
R GRU	L	X	I	21:48:31.75	-46:54:50.4	331.96	<8.3-14.6>	11	rising	rising	MAX(11)	fading	fading	fading	fading	fading	min(29)	rising	rising	rising	rising	MAX(6)	
V PEG	L	X	I	22:01:02.57	+06:07:11	302.35	<8.7-14.4>	85	fading	fading	min(16)	rising	rising	rising	MAX(23)	fading	fading	fading	fading	fading	fading	min(13)	rising
S PSA	L	X	I	22:03:45.83	-28:03:04.2	271.7	<9.0>-13.4	24	min(11)	rising	rising	rising	MAX(11)	fading	fading	fading	fading	min(9)	rising	rising	rising	MAX(6)	
RT PEG	L	X	I	22:04:10.13	+35:07:18.4	215	<9.9-14.5>	43	min(16)	rising	rising	MAX(22)	fading	fading	fading	min(19)	rising	rising	MAX(23)	fading	fading	fading	
RZ PEG	L	X	I	22:05:52.97	+33:30:24.8	438.7	<8.8-12.8>	61	rising	rising	rising	MAX(26)	fading	fading	fading	fading	fading	fading	fading	min(24)	rising	rising	
T PEG	L	X	I	22:08:54.3	+12:32:24.5	379.4	<8.9-14.3>	44	rising	rising	MAX(5)	fading	fading	fading	fading	fading	min(4)	rising	rising	rising	rising	rising	
Y PEG	L	X	I	22:11:37.48	+14:21:56.4	206.93	<10.5-14.9>	51	min(16)	rising	rising	MAX(22)	fading	fading	fading	min(11)	rising	rising	MAX(15)	fading	fading	fading	
RS PEG	L	X	I	22:12:16.18	+14:33:12.2	415.4	<9.3-14.3>	26	MAX(16)	fading	fading	fading	fading	fading	fading	min(7)	rising	rising	rising	rising	rising	rising	

RS LAC	L	X	I	22:12:52.53	+43:45:00.7	237.26	<10.4-11.9>	40	rising	rising	MAX(21)	fading	fading	fading	min(13)	rising	rising	rising	MAX(14)	fading	fading	fading
R PSA	L	X	I	22:18:00.23	-29:36:13.7	297.6	<9.2-14.7>	27	fading	min(23)	rising	rising	rising	MAX(18)	fading	fading	fading	fading	fading	min(17)	rising	rising
X AQR	L	X	I	22:18:39.31	-20:54:04.1	311.65	<8.3-14.4>	46	fading	min(25)	rising	rising	rising	rising	MAX(5)	fading	fading	fading	fading	fading	min(2)	rising
RV PEG	L	X	I	22:25:36.8	+30:28:21.3	396.8	<9.9-14.6>	29	rising	rising	rising	rising	MAX(28)	fading	fading	fading	fading	fading	fading	fading	min(21)	rising
T GRU	L	X	I	22:25:40.92	-37:34:09.1	136.49	<8.6-11.5>	44	rising	MAX(26)	fading	fading	min(8)	rising	MAX(13)	fading	min(22)	rising	MAX(26)	fading	fading	min(5)
S GRU	L	X	I	22:26:05.46	-48:26:18.8	401.51	<7.7-14.4>	25	fading	fading	min(10)	rising	rising	rising	rising	rising	MAX(7)	fading	fading	fading	fading	fading
S LAC	L	X	I	22:29:00.9	+40:18:55.9	241.5	<8.2-13.0>	95	rising	MAX(7)	fading	fading	fading	min(23)	rising	rising	rising	MAX(6)	fading	fading	fading	min(19)
NAME	LINKS			R.A.	DECL.	PERIOD	RANGE	N	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
R IND	L	X	I	22:36:00.39	-67:17:15.9	216.26	<8.4-14.3>	22	rising	rising	rising	MAX(4)	fading	fading	fading	min(1)	rising	rising	MAX(7)	fading	fading	fading
T TUC	L	X	I	22:40:33.48	-61:33:13.6	250.3	<8.1-13.2>	29	fading	min(13)	rising	rising	rising	MAX(10)	fading	fading	fading	min(22)	rising	rising	rising	MAX(16)
R LAC	L	X	I	22:43:15.64	+42:22:11.2	299.86	<9.1-14.4>	48	rising	rising	rising	rising	MAX(13)	fading	fading	fading	fading	min(26)	rising	rising	rising	rising
S AQR	L	X	I	22:57:06.48	-20:20:35.4	279.27	<8.3-14.1>	81	fading	min(20)	rising	rising	rising	MAX(3)	fading	fading	fading	fading	min(26)	rising	rising	rising
RW PEG	L	X	I	23:04:11.48	+15:18:11.9	208.43	<9.7-14.0>	34	fading	fading	min(7)	rising	rising	MAX(15)	fading	fading	fading	min(2)	rising	rising	MAX(10)	fading
R PEG	L	X	I	23:06:39.17	+10:32:36	378.1	<7.8-13.2>	108	rising	MAX(3)	fading	fading	fading	fading	fading	fading	min(2)	rising	rising	rising	rising	MAX(16)
V CAS	L	X	I	23:11:40.72	+59:41:58.9	228.83	<7.9-12.2>	286	MAX(27)	fading	fading	fading	min(24)	rising	rising	rising	MAX(13)	fading	fading	fading	min(8)	rising
W PEG	L	X	I	23:19:50.5	+26:16:43.6	345.5	<8.2-12.7>	180	fading	fading	fading	fading	min(17)	rising	rising	rising	rising	MAX(27)	fading	fading	fading	fading
S PEG	L	X	I	23:20:32.62	+08:55:08.1	319.22	<8.0-13.0>	102	fading	fading	min(27)	rising	rising	rising	rising	MAX(23)	fading	fading	fading	fading	fading	min(9)
V PHE	L	X	I	23:32:27.25	-45:59:19.1	257	<9.2-14.0>	2	MAX(2)	fading	fading	fading	min(18)	rising	rising	rising	MAX(16)	fading	fading	fading	fading	min(30)
ST AND	L	X	I	23:38:45.13	+35:46:21.2	328.34	<8.2-11.8>	81	rising	rising	rising	rising	rising	MAX(9)	fading	fading	fading	min(23)	rising	rising	rising	rising
R AQR	L	X	I	23:43:49.45	-15:17:04.1	386.96	<6.5-10.3>	119	MAX(26)	fading	fading	fading	fading	fading	fading	min(19)	rising	rising	rising	rising	rising	MAX(17)
Z CAS	L	X	I	23:44:31.54	+56:34:52.3	495.71	<10.0-14.7>	66	fading	fading	min(16)	rising	rising	rising	rising	rising	MAX(23)	fading	fading	fading	fading	fading
RR CAS	L	X	I	23:55:49.01	+53:43:29.3	300.07	<10.5-14.0>	44	fading	min(26)	rising	rising	rising	rising	MAX(26)	fading	fading	fading	fading	min(23)	rising	rising
R PHE	L	X	I	23:56:27.55	-49:47:12.5	269.26	<8.0-14.1>	1	MAX(6)	fading	fading	fading	min(12)	rising	rising	rising	rising	MAX(2)	fading	fading	fading	min(6)
R TUC	L	X	I	23:57:26.35	-65:23:04.8	286.06	<9.8-15.1>	17	fading	fading	min(17)	rising	rising	rising	MAX(14)	fading	fading	fading	fading	min(28)	rising	rising
V CET	L	X	I	23:57:54.07	-08:57:31.3	257.82	<9.4-14.3>	44	fading	fading	min(2)	rising	rising	MAX(20)	fading	fading	fading	fading	min(15)	rising	rising	rising
R CAS	L	X	I	23:58:24.87	+51:23:19.7	430.46	<7.0-12.6>	430	rising	rising	rising	rising	MAX(14)	fading	fading	fading	fading	fading	fading	fading	fading	min(5)