

Predictions for Beta Lyrae type Eclipsing Binaries in June 2008

The following predictions are calculated for Central England but should be usable for observers throughout the British Isles.

The format of each prediction is starthour(mideclipse)endhour , with times being given to the nearest hour UT (=GMT). A value greater than 24 indicates a time on a later date (so, for example, 26 indicates 02h UT on the following day) , << indicates that mid eclipse has occurred on an earlier night and >> indicates that mid eclipse is more than 99 hours into the future. D and L are used to indicate where daylight and low altitude prevent part of the eclipse from being observed.

Note that for Beta Lyrae type variables, there is no period of constant brightness between eclipses, so it is not easy to see when an eclipse starts and ends. The start and end times quoted here assume that the primary eclipse lasts for 20% of the orbital period.

2008 June 1 Sun	2008 June 2 Mon	2008 June 3 Tue
GO Cyg 01(02)02D V448 Cyg D22(08)23 V836 Cyg D22(22)23 Beta Lyr D22(24)26D RX Cas D22(29)26D 367CygII 22(66)26D TZ Lyr 24(25)26D	AW Lac 00(03)02D MN Cas 01(05)02D HL Aur 01(02)02D TX Cas 02(09)02D ----- Beta Lyr D22(00)26D RX Cas D22(05)26D SX Aur D22(21)22L 367CygII D22(42)26D DO Cas 22(24)25	TZ Lyr 01(02)02D ----- RX Cas D22(<<)26D 367CygII D22(18)26D V836 Cyg D22(21)22 GO Cyg D22(23)25 HL Aur D22(23)25 MN Cas 23(27)26D
2008 June 4 Wed	2008 June 5 Thu	2008 June 6 Fri
GK Cep 01(04)02D ----- RX Cas D22(<<)26D 367CygII D22(<<)26D DO Cas 23(25)26D GK Cep 24(26)26D TX Cas 24(31)26D	ST Aqr L01(02)02D ----- MN Cas D22(25)26D XZ Cep D22(34)26D V548 Cyg 22(26)26D GK Cep 22(25)26D	GO Cyg 01(03)02D ----- XZ Cep D22(10)22 GK Cep D22(23)25
2008 June 7 Sat	2008 June 8 Sun	2008 June 9 Mon
HL Aur 01(02)02D DO Cas 01(02)02D V836 Cyg 02(03)02D ----- V448 Cyg D22(20)26D AW Lac D22(20)23 GK Cep D22(21)24 V548 Cyg D22(22)26D MN Cas D22(23)26D BetLyrII D22(35)26D TX Cas 22(29)26D	BetLyrII D22(11)26D GK Cep D22(20)22 TZ Lyr D22(22)23 HL Aur D22(23)24 AW Lac D22(24)26D GO Cyg 22(24)26	V836 Cyg 01(02)02D ----- ST Aqr L01(00)01 MN Cas D22(21)26D TZ Lyr 22(23)25

2008 June 10 Tue	2008 June 11 Wed	2008 June 12 Thu
AW Lac 00(03)02D AD And 02(04)02D ----- TX Cas D22(27)26D TZ Lyr 23(25)26D V836 Cyg 24(25)26D	XZ Cep 00(12)02D AD And 01(04)02D ----- XZ Cep D22(12)24 MN Cas D22(19)24 GO Cyg D22(21)22 DO Cas D22(21)23 V367 Cyg D22(50)26D	HL Aur 00(02)02D ST Aqr L01(02)02D TZ Lyr 01(02)02D AD And 01(04)02D ----- V367 Cyg D22(26)26D V836 Cyg 23(24)26D
2008 June 13 Fri	2008 June 14 Sat	2008 June 15 Sun
AD And 01(03)02D ----- V367 Cyg D22(02)26D MN Cas D22(17)22 HL Aur D22(22)24 DO Cas D22(23)24 TX Cas D22(26)26D V448 Cyg D22(33)26D Beta Lyr D22(46)26D GO Cyg 23(24)26D	AD And 00(03)02D ----- V367 Cyg D22(<<)22 V448 Cyg D22(09)24 Beta Lyr D22(22)26D V836 Cyg D22(23)25 V548 Cyg 23(27)26D	AD And 00(03)02D ----- Beta Lyr D22(<<)26D AW Lac D22(20)23 DO Cas 22(24)26 AD And 24(26)26D
2008 June 16 Mon	2008 June 17 Tue	2008 June 18 Wed
ST Aqr L00(00)02D ----- XZ Cep D22(15)26D GO Cyg D22(21)23 V548 Cyg D22(22)26D V836 Cyg D22(22)24 AW Lac D22(24)26D TX Cas D22(24)26D AD And 23(26)26D HL Aur 24(25)26D	TZ Lyr D22(22)23 AD And 23(26)26D DO Cas 24(25)26D	AW Lac 00(03)02D ----- 68u Her D22(18)23 V836 Cyg D22(21)23 HL Aur D22(22)23 TZ Lyr D22(23)24 AD And 23(25)26D GO Cyg 23(25)26D
2008 June 19 Thu	2008 June 20 Fri	2008 June 21 Sat
GK Cep 01(03)02D ST Aqr 01(03)02D ----- BF Aur L02(05)02D TX Cas D22(22)26D AD And 22(25)26D TZ Lyr 23(24)26D GK Cep 23(26)26D	DO Cas 01(03)02D ----- 68u Her D22(19)24 V448 Cyg D22(21)26D GK Cep D22(24)26D AD And 22(25)26D BetLyrII D22(33)26D 367CygII D22(57)26D	TZ Lyr 01(02)02D ----- SX Aur L02(01)02D BetLyrII D22(09)26D XZ Cep D22(17)26D GO Cyg D22(22)24 GK Cep D22(22)25 AD And D22(24)26D 367CygII D22(33)26D

		HL Aur 23(25)26D
2008 June 22 Sun	2008 June 23 Mon	2008 June 24 Tue
367CygII D22(09)26D TX Cas D22(20)26D 68u Her D22(20)25 GK Cep D22(21)23 AD And D22(24)26D ST Aqr L24(25)26D	367CygII D22(<<)26D AW Lac D22(20)23 HL Aur D22(21)23 AD And D22(24)26D V548 Cyg 23(27)26D GO Cyg 24(26)26D	V836 Cyg 01(03)02D ----- BF Aur L01(<<)02D DO Cas D22(22)23 68u Her D22(22)26D AD And D22(23)26 AW Lac D22(24)26D
2008 June 25 Wed	2008 June 26 Thu	2008 June 27 Fri
MN Cas 01(06)02D HL Aur 02(03)02D ----- TX Cas D22(19)26 V548 Cyg D22(23)26D AD And D22(23)25	V836 Cyg 00(02)02D AW Lac 00(03)02D ----- XZ Cep D22(19)26D TZ Lyr D22(21)23 GO Cyg D22(23)24 AD And D22(23)25 68u Her D22(23)26D DO Cas D22(23)25 V448 Cyg D22(34)26D Beta Lyr D22(45)26D HL Aur 23(24)26 MN Cas 23(28)26D ST Aqr L24(23)24	SX Aur L01(02)02D BF Aur L01(03)02D TT Aur L02(02)02D ----- V448 Cyg D22(10)25 V548 Cyg D22(18)22 Beta Lyr D22(21)26D AD And D22(22)25 TZ Lyr D22(23)24 V836 Cyg 23(25)26D
2008 June 28 Sat	2008 June 29 Sun	2008 June 30 Mon
Beta Lyr D22(<<)26D TX Cas D22(17)24 HL Aur D22(21)22 AD And D22(22)24 68u Her D22(24)26D MN Cas D22(26)26D DO Cas 23(24)26D TZ Lyr 23(24)26	GO Cyg 00(02)02D ----- AD And D22(22)24 V367 Cyg D22(64)26D V836 Cyg 22(24)26 ST Aqr 24(26)26D	TZ Lyr 00(02)02D HL Aur 01(03)02D ----- AD And D22(21)24

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