

Predictions for Beta Lyrae type Eclipsing Binaries in December 2018

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.

2018 Dec 1 Sat	2018 Dec 2 Sun	2018 Dec 3 Mon
HL Aur 01(03)04 BF Aur 05(09)07D HP Lyr L05(>>)07D EG Cep 06(07)07D TX Cas 06(13)07D	DO Cas 01(03)05 HP Lyr L05(>>)07D TT Aur 06(09)07D	V836 Cyg 01(02)01L UW CMa L01(02)04L TZ Lyr L04(04)05 HP Lyr L05(>>)07D BetLyrII L06(22)07D
TX Cas D17(13)20 ST Aqr D17(15)17 HL Aur D17(18)19 V548 Cyg D17(19)24 IU Aur D17(20)24 HP Lyr D17(>>)24L GK Cep 17(19)21 V836 Cyg 17(19)20 GO Cyg 19(20)22 EG Cep 19(20)21 V505 Mon L21(79)31D BV Tau 21(23)25	SX Aur D17(15)18 GK Cep D17(18)20 68u Her D17(18)20L BetLyrII D17(46)22L HP Lyr D17(>>)24L DO Cas 18(19)21 BF Aur 19(23)26 BV Tau 19(21)24 MN Cas 19(24)29 V505 Mon L21(55)31D EG Cep 21(22)23 HL Aur 22(24)25	V548 Cyg D17(15)19 IU Aur D17(15)20 GK Cep D17(16)18 TZ Lyr D17(16)18 TT Aur D17(17)20 AW Lac D17(17)20 V836 Cyg D17(18)19 BetLyrII D17(22)22L HP Lyr D17(>>)24L SX Aur 18(20)23 BV Tau L18(20)22 V505 Mon L21(31)31D XZ Cnc L21(20)22 GO Cyg 22(24)24L EG Cep 23(24)25
2018 Dec 4 Tue	2018 Dec 5 Wed	2018 Dec 6 Thu
XZ Cep 01(13)07D DO Cas 03(04)06 TZ Lyr L04(05)06 HL Aur 04(05)07D TX Cas 04(11)07D HP Lyr L05(>>)07D BetLyrII L06(<<)07D	EG Cep 01(02)03 TZ Lyr 05(06)07D HP Lyr L05(>>)07D V548 Cyg 06(10)07D IU Aur 06(11)07D	HL Aur 01(02)04 EG Cep 04(05)06 SX Aur 04(07)07D DO Cas 04(05)07D HP Lyr L05(>>)07D TT Aur 06(09)07D TZ Lyr 07(08)07D V448 Cyg L07(10)07D
BetLyrII D17(<<)22L TX Cas D17(11)18 XZ Cep D17(13)25 GK Cep D17(15)17 GO Cyg D17(17)19 TZ Lyr D17(18)19 ST Aqr D17(18)20 68u Her D17(19)20L LY Aur D17(25)31D HP Lyr D17(>>)23L MN Cas 17(22)27 BV Tau L18(18)20 AW Lac 18(21)23 HL Aur 19(20)22 DO Cas 19(21)22 V505 Mon L21(07)31D XZ Cnc L21(23)25 TT Aur 22(25)28 SX Aur 23(26)28 V836 Cyg 24(25)25L	V836 Cyg D17(17)19 HP Lyr D17(>>)23L BV Tau L18(16)19 TZ Lyr 18(19)20 V448 Cyg 19(34)23L V505 Mon L21(<<)31D AW Lac 21(24)27 XZ Cnc 23(25)28 BF Aur 23(27)30	V448 Cyg D17(10)23L HL Aur D17(17)19 EG Cep D17(18)19 MN Cas D17(20)25 68u Her D17(20)20L HP Lyr D17(>>)23L TZ Lyr 19(21)22 GO Cyg 19(21)23 DO Cas 20(22)24 V505 Mon L21(<<)31D V836 Cyg 23(24)25L

2018 Dec 7 Fri	2018 Dec 8 Sat	2018 Dec 9 Sun
UW CMa L01(11)04L AW Lac 01(03)06 V548 Cyg 01(05)07D XZ Cnc 01(04)07 IU Aur 02(06)07D TX Cas 02(09)07D HP Lyr L05(>>)07D EG Cep 06(07)07D V367 Cyg L07(50)07D V836 Cyg D17(16)18 BF Aur D17(17)20 TT Aur D17(17)20 V367 Cyg D17(50)25L HP Lyr D17(>>)23L EG Cep 19(20)21 ST Aqr 19(21)21L V505 Mon L20(<<)31L TZ Lyr 21(22)22L HL Aur 22(23)25	XZ Cnc 04(07)07D AW Lac 04(07)07D HP Lyr L05(>>)07D DO Cas 05(07)07D GK Cep 06(08)07D V367 Cyg L07(26)07D ST Aqr D17(16)18 SX Aur D17(17)20 MN Cas D17(18)23 68u Her D17(22)20L LY Aur D17(25)31D V367 Cyg D17(26)25L HP Lyr D17(>>)23L V548 Cyg 20(25)29 V505 Mon L20(<<)31L EG Cep 21(22)23 IU Aur 21(26)30 DO Cas 22(23)25 TT Aur 22(25)28 V836 Cyg 22(23)25L TZ Lyr 22(23)22L GO Cyg 23(25)24L	UU Cnc 00(>>)07D BF Aur 03(07)07D XZ Cep 03(15)07D HL Aur 04(05)07 GK Cep 05(07)07D HP Lyr L05(>>)07D Beta Lyr L05(35)07D V367 Cyg L06(02)07D V367 Cyg D17(02)24L XZ Cep D17(15)28 DO Cas D17(16)17 GO Cyg D17(18)20 Beta Lyr D17(35)22L HP Lyr D17(>>)23L HL Aur 18(20)21 SX Aur 19(22)25 UU Cnc L20(>>)31D EG Cep 23(24)25
2018 Dec 10 Mon	2018 Dec 11 Tue	2018 Dec 12 Wed
TX Cas 01(08)07D GK Cep 03(05)07D HP Lyr L05(>>)07D Beta Lyr L05(11)07D TT Aur 06(09)07D BV Tau 06(08)07D V367 Cyg L06(<<)07D DO Cas 06(08)07D V367 Cyg D17(<<)23 Beta Lyr D17(11)22L MN Cas D17(16)21 V548 Cyg D17(20)24 HP Lyr D17(>>)23L BF Aur 17(21)24 IU Aur 17(21)26 68u Her 18(23)20L UU Cnc L20(>>)31D V836 Cyg 21(22)24 DO Cas 23(25)26 SX Aur 24(27)30	HL Aur 00(02)03 EG Cep 01(02)03 GK Cep 02(04)06 BV Tau 04(06)07D HP Lyr L05(84)07D Beta Lyr L05(<<)07D Beta Lyr D17(<<)18 TT Aur D17(17)20 HL Aur D17(17)18 DO Cas D17(17)19 AW Lac D17(17)20 HP Lyr D17(84)23L ST Aqr 17(19)21 GO Cyg 20(22)23 UU Cnc L20(>>)31D RX Cas 21(99)31D	GK Cep 00(02)05 UW CMa L00(<<)03L BV Tau 03(05)07D EG Cep 03(04)05 TZ Lyr L03(03)05 HP Lyr L05(60)07D SX Aur 05(08)07D HL Aur 06(08)07D MN Cas D17(14)19 V548 Cyg D17(15)20 TZ Lyr D17(16)17 IU Aur D17(17)21 EG Cep D17(17)18 V448 Cyg D17(23)23L LY Aur D17(26)31D HP Lyr D17(60)23L RX Cas D17(75)31D AW Lac 18(21)23 68u Her 19(24)20L V836 Cyg 20(21)23 UU Cnc L20(>>)31D HL Aur 21(23)24 TT Aur 22(25)28 GK Cep 23(25)27 TX Cas 23(30)31D

2018 Dec 13 Thu	2018 Dec 14 Fri	2018 Dec 15 Sat
DO Cas 00(02)03 BV Tau 01(03)05 TZ Lyr 04(05)06 68u Her L04(00)05 HP Lyr L05(36)07D EG Cep 05(06)07D V448 Cyg L06(<<)07D GO Cyg L07(08)07D	HL Aur 03(05)06 HP Lyr L05(12)07D TZ Lyr 05(06)07D TT Aur 06(09)07D XZ Cep 06(18)07D V548 Cyg 06(11)07D -- HP Lyr D17(12)23L XZ Cep D17(18)30 SX Aur D17(18)21 RX Cas D17(27)31D GO Cyg 17(19)20 TZ Lyr 18(19)20 HL Aur 18(19)21 V836 Cyg 19(20)22 GK Cep 20(22)24 ST Aqr 20(22)21L UU Cnc L20(>>)31D EG Cep 21(22)23 XZ Cnc L21(23)26 BV Tau 22(24)26	AW Lac 01(03)06 DO Cas 01(03)05 68u Her L04(01)06 HP Lyr L05(<<)07D TZ Lyr 06(08)07D -- HP Lyr D17(<<)23L RX Cas D17(03)31D BF Aur D17(15)18 ST Aqr D17(17)19 TT Aur D17(17)20 BetLyrII D17(44)21L DO Cas 18(20)21 GK Cep 18(20)22 TZ Lyr 19(20)22 BV Tau 20(22)24 SX Aur 20(23)26 UU Cnc L20(88)31D TX Cas 21(28)31D EG Cep 23(24)25 XZ Cnc 23(26)29 HL Aur 24(25)27
2018 Dec 16 Sun	2018 Dec 17 Mon	2018 Dec 18 Tue
UW CMa L00(06)03L V548 Cyg 02(06)07D IU Aur 03(08)07D AW Lac 04(07)07D HP Lyr L04(<<)07D BetLyrII L05(20)07D MN Cas 05(10)07D GO Cyg L06(05)07	BF Aur 01(05)07D EG Cep 01(02)03 SX Aur 01(04)07D XZ Cnc 02(05)07D DO Cas 03(04)06 68u Her L03(02)07D HP Lyr L04(<<)07D BetLyrII L05(<<)07D HL Aur 06(07)07D 367CygII L06(33)07D AD And 07(09)07D -- HP Lyr D17(<<)23L RX Cas D17(<<)31D BetLyrII D17(<<)21L GO Cyg D17(15)17 GK Cep D17(17)19 BV Tau L17(19)21 367CygII D17(33)24L DO Cas 19(21)22 UU Cnc L20(40)31D HL Aur 21(22)24 V548 Cyg 21(25)30 TZ Lyr 22(23)22L IU Aur 23(27)31D	EG Cep 03(04)05 MN Cas 04(08)07D HP Lyr L04(<<)07D XZ Cnc 05(07)07D TT Aur 05(09)07D 367CygII L06(09)07D SX Aur 06(09)07D AD And 06(09)07D -- HP Lyr D17(<<)23L 367CygII D17(09)24L GK Cep D17(16)18 BV Tau D17(17)19 EG Cep D17(17)18 BF Aur D17(19)22 V836 Cyg 17(19)20 ST Aqr 18(20)21L TX Cas 19(26)31D V448 Cyg 20(35)23L UU Cnc L20(16)31D

2018 Dec 19 Wed	2018 Dec 20 Thu	2018 Dec 21 Fri
HL Aur 03(04)06 68u Her L03(04)07D DO Cas 04(06)07D HP Lyr L04(<<)07D EG Cep 05(06)07D V448 Cyg L06(11)07D 367CygII L06(<<)07D AD And 06(08)07D	MN Cas 02(06)07D TZ Lyr L03(02)03 HP Lyr L04(<<)07D BF Aur 05(09)07D AD And 06(08)07D 367CygII L06(<<)06	TZ Lyr L03(03)04 68u Her L03(05)07D HP Lyr L04(<<)07D AD And 05(08)07D DO Cas 05(07)07D GO Cyg L06(06)07D
HP Lyr D17(<<)23L 367CygII D17(<<)24L V448 Cyg D17(11)23L SX Aur D17(14)17 BV Tau D17(15)18 TT Aur D17(17)20 AW Lac D17(17)20 XZ Cep D17(20)31D V548 Cyg D17(21)25 GO Cyg 17(19)21 HL Aur 18(19)21 IU Aur 18(23)27 EG Cep 18(19)20 UU Cnc L20(<<)31D DO Cas 20(22)24	HP Lyr D17(<<)22L V836 Cyg D17(18)19 SX Aur D17(19)22 LY Aur D17(26)31D AW Lac 18(21)23 UU Cnc L20(<<)31D EG Cep 20(21)22 TT Aur 21(25)28 HL Aur 23(25)26 UW CMA L24(15)26	HP Lyr D17(<<)22L HL Aur D17(16)17 TZ Lyr D17(16)17 V548 Cyg D17(16)20 IU Aur D17(18)22 TX Cas 18(25)31D BF Aur 19(23)26 UU Cnc L20(<<)31D GO Cyg 21(23)23L SX Aur 21(24)27 AW Lac 21(24)27 DO Cas 22(23)25 EG Cep 23(24)25 V836 Cyg 23(25)24L MN Cas 23(28)31D
2018 Dec 22 Sat	2018 Dec 23 Sun	2018 Dec 24 Mon
TZ Lyr 03(05)06 HP Lyr L04(<<)07D Beta Lyr L05(33)07D AD And 05(07)07D HL Aur 05(07)07D TT Aur 05(09)07D	AW Lac 01(03)06 EG Cep 01(02)03 SX Aur 02(05)07D 68u Her L03(06)07D HP Lyr L04(<<)07D Beta Lyr L04(09)07D AD And 05(07)07D TZ Lyr 05(06)07D GK Cep 06(08)07D DO Cas 07(08)07D V836 Cyg 07(08)07D	HL Aur 02(04)05 EG Cep 03(04)05 HP Lyr L04(<<)07D AW Lac 04(07)07D AD And 04(07)07D GK Cep 04(06)07D Beta Lyr L04(<<)07D BV Tau 05(07)06L TZ Lyr 06(07)07D
HP Lyr D17(<<)22L DO Cas D17(16)17 GO Cyg D17(16)18 V836 Cyg D17(17)18 TZ Lyr D17(17)19 ST Aqr D17(17)19 Beta Lyr D17(33)21L UU Cnc L20(<<)31D HL Aur 20(22)23 XZ Cnc L20(18)21	HP Lyr D17(<<)22L Beta Lyr D17(09)21L IU Aur D17(14)18 TT Aur D17(17)20 TZ Lyr 17(19)20 UU Cnc L20(<<)31D XZ Cnc L20(21)24 MN Cas 22(26)31 V836 Cyg 22(24)24L DO Cas 23(25)26	HP Lyr D17(<<)22L V836 Cyg D17(16)17 EG Cep D17(17)18 DO Cas D17(17)19 XZ Cep D17(22)31D TX Cas D17(23)30 LY Aur D17(26)31D HL Aur 17(19)20 GO Cyg 18(20)21 TZ Lyr 19(20)21L UU Cnc L19(<<)31D XZ Cnc 21(24)26 TT Aur 21(25)28 BF Aur 23(27)30 UW CMA L23(25)26L

2018 Dec 25 Tue	2018 Dec 26 Wed	2018 Dec 27 Thu
V548 Cyg 02(07)07D GK Cep 03(05)07D 68u Her L03(07)07D BV Tau 03(05)06L HP Lyr L04(<<)07D AD And 04(06)07D IU Aur 05(09)07D EG Cep 05(06)07D V836 Cyg L07(07)07D	DO Cas 00(02)04 GK Cep 01(03)06 BV Tau 02(04)06 AD And 04(06)07D HP Lyr L04(<<)07D V448 Cyg L05(00)07D V367 Cyg L05(40)07D TT Aur 05(09)07D GO Cyg L06(06)07D	IU Aur 00(04)07D XZ Cnc 02(05)07D AD And 03(06)07D 68u Her 04(09)07D HP Lyr L04(<<)07D HL Aur 05(06)07D V367 Cyg L05(16)07D V836 Cyg L06(06)07D
HP Lyr D17(<<)22L SX Aur D17(15)18 V448 Cyg D17(24)22L EG Cep 18(19)20 ST Aqr 18(20)20L UU Cnc L19(<<)31D MN Cas 20(24)29 V367 Cyg 20(64)23L TZ Lyr 20(21)21L V836 Cyg 22(23)23L HL Aur 23(24)26 XZ Cnc 24(26)29	HP Lyr D17(<<)22L ST Aqr D17(15)17 BF Aur D17(17)20 DO Cas D17(18)20 V367 Cyg D17(40)23L SX Aur 17(20)23 UU Cnc L19(<<)31D EG Cep 20(21)22 V548 Cyg 22(26)30 GO Cyg 22(23)23L GK Cep 24(26)28 BV Tau 24(26)28	HP Lyr D17(<<)22L V367 Cyg D17(16)23L TT Aur D17(17)20 GO Cyg D17(17)18 AW Lac D17(17)20 TX Cas D17(21)28 MN Cas 18(22)27 UU Cnc L19(<<)31D HL Aur 20(21)23 V836 Cyg 21(22)23L GK Cep 22(24)27 BV Tau 22(24)27 EG Cep 22(23)24 SX Aur 22(25)28
2018 Dec 28 Fri	2018 Dec 29 Sat	2018 Dec 30 Sun
DO Cas 02(03)05 BF Aur 03(07)07D AD And 03(05)07D HP Lyr L04(<<)07D XZ Cnc 05(08)07D V367 Cyg L05(<<)07D	EG Cep 01(02)03 HL Aur 02(03)05 TZ Lyr L02(02)03 AD And 03(05)07D SX Aur 03(06)07D BetLyrII L04(19)07D 68u Her 05(10)07D V367 Cyg L05(<<)07D V836 Cyg L06(05)07D	TZ Lyr L02(03)04 AD And 02(05)07D EG Cep 03(04)05 DO Cas 03(05)06 BetLyrII L04(<<)07D TT Aur 05(09)07D
V367 Cyg D17(<<)23L V548 Cyg D17(21)26 LY Aur D17(26)31D BetLyrII D17(43)20L AW Lac 18(21)23 DO Cas 18(20)21 IU Aur 20(24)28 BV Tau 21(23)25 GK Cep 21(23)25 TT Aur 21(25)28 UW CMa 24(34)26L	HL Aur D17(18)20 ST Aqr D17(18)20L BetLyrII D17(19)20L MN Cas D17(20)25 BF Aur D17(21)24 XZ Cep D17(25)31D GO Cyg 19(20)22 BV Tau 19(21)23 GK Cep 19(21)24 V836 Cyg 20(21)23 AW Lac 21(24)27	BetLyrII D17(<<)20L V548 Cyg D17(17)21 EG Cep D17(17)18 TX Cas D17(19)26 IU Aur D17(19)24 BV Tau 17(19)22 GK Cep 17(20)22 DO Cas 19(21)23 HL Aur 22(24)25

2018 Dec 31 Mon				
AW Lac	01 (03) 06			
AD And	02 (04) 07			
TZ Lyr	03 (04) 06			
EG Cep	05 (06) 07			
GO Cyg	L05 (07) 07D			
68u Her	06 (11) 07D			
BF Aur	07 (11) 07D			
SX Aur	D17 (16) 19			
TT Aur	D17 (17) 20			
TZ Lyr	D17 (17) 18			
BV Tau	D17 (18) 20			
MN Cas	D17 (18) 23			
GK Cep	D17 (18) 20			
EG Cep	18 (19) 20			
V836 Cyg	19 (20) 22			
V448 Cyg	21 (36) 22L			