

Upcoming events for the next 2 days from today; start/end given in timezone EST5EDT.

Night starts/ends at nautical twilight.

Results shown for Conti Observatory, MD latitude = 38.9302452, longitude = -76.4894369.

Colored text indicates a part of the transit that is during daylight, or a transit at elevation less than 30 degrees, or that the Moon is relatively full and close to the target.

Click on column headers to sort the table by that column. Click again to reverse the sorting order. To sub-sort, first click one column (e.g. the left-hand one to sort by night), then *shift-click* another column to sort further within the first category. For example, to sort by priority within a given night (when multiple nights are displayed), first click the "Local evening date" header, then shift-click the "Priority" header. The highlighted column shows the current sorting.

The buttons can be used to toggle the visibility of columns, and the column order can be rearranged by clicking and dragging the column header.

Search:

Choose columns to show/hide

Reset column order

Show all columns

Local evening date	Name	V mag	Start — Mid — End	Duration	BJD _{TDB} start-mid-end	Elev. at start, mid, end	Az. at start, mid, end	RA & Dec (J2000)	Period (days)	Depth (mmag)	Priority	Comments
Wed. 04-04-2018 : Nautical twilight 20:31 - 05:45 (EST5EDT)												
Wed. 04-04-2018 Nautical twilight 20:31 - 05:45 (EST5EDT)	KS24C000891 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	8.07 Moon 78% @61°	19:27—22:25 —01:23 ± 0:56	5:57	8213.477 8213.601 8213.725	-11°, 11°, 15°	126°, 155°, 192°	12:12:39.20 -35:05:52.7	7.28	6.51	8	Nearby star to NE. (<1'). Howie, i', 2017/05/12 possibly saw a late ingress, but this coincides with the onset of high scatter, so it is unclear if there is an event or not. The next observation
Wed. 04-04-2018 Nautical twilight 20:31 - 05:45 (EST5EDT)	KC21C00322 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	7.87 Moon 77% @80°	21:11—00:42 —04:13 ± 0:51	7:02	8213.549 8213.696 8213.843	37°, 67°, 66°	46°, 40°, 319°	14:11:17.23 +54:24:32.9	35.33	18.0	5	David, 2016-05-16 caught ingress and saw nothing within a few mmag rms scatter in g' or i'; would've caught 2x+0.5, so period set to 2x BLS.
Wed. 04-04-2018 Nautical twilight 20:31 - 05:45 (EST5EDT)	KS26C012976 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	10.94 Moon 77% @26°	22:03—00:45 —03:27 ± 0:29	5:25	8213.586 8213.699 8213.812	-8°, 15°, 24°	119°, 147°, 184°	14:59:04.00 -27:18:24.8	16.49	19	6	Long period, try for an ingress or egress. TG observed an ingress on 3/10/15 and saw no event. Priority lowered.. Parameters adjusted from recent reduction of KS26

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Wed. 04-04-2018 Nautical twilight 20:31 - 05:45 (EST5EDT)	KEBC04C006134 Finding charts: Annotated , SkyMap ; Info: Simbad , 2MASS ; Airmass plot , ACP plan	12.79 Moon 77% @154°	22:45—01:06 —03:27 ± 0:17	4:42	8213.615 8213.713 8213.811	39°, 13°, -9°	278°, 297°, 319°	06:26:08.84 +29:00:03.0	37.31	50.0	10	Continuation of the ephemeris (TRES is hammering away on this)! Two RVs point to a star at the substellar limit (~90MJ). Observed by Valerio 01/07/14, who saw nothing. This pushes us to 2x BLS, which now makes
Wed. 04-04-2018 Nautical twilight 20:31 - 05:45 (EST5EDT)	KS36C006053 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	9.08 Moon 77% @25°	00:12—02:07 —04:02 ± 0:17	3:51	8213.675 8213.755 8213.836	-22°, -5°, 06°	125°, 139°, 158°	17:46:34.80 -40:14:10.1	2.16	11.81	8	But the majority of the event was captured. Duration increased, and is already on the list for ANU RV. TG, V, observed from baseline through mid-egress, seeing an event consistent with the R-band eclipse. Chris, Ic,
Wed. 04-04-2018 Nautical twilight 20:31 - 05:45 (EST5EDT)	KS26C011065 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	11.28 Moon 77% @33°	00:24—03:27 —06:30 ± 1:00	6:07	8213.683 8213.811 8213.938	25°, 33°, 12°	144°, 193°, 236°	14:27:41.70 -17:22:54.0	2.75	3.65	6	01/15 but saw no event. The observations did not have much OOT data. Try to get plenty of baseline on the next observation. No neighbors showed any signs for a blend scenario. Allyson, i, 2018/01/29 observed egress window
Wed. 04-04-2018 Nautical twilight 20:31 - 05:45 (EST5EDT)	Kepler_EB_8610483_p Finding charts: Annotated , SkyMap ; Info: Simbad , 2MASS ; Airmass plot , ACP plan	15.0 Moon 76% @70°	02:20—06:50 —11:20 ± 0:01	9:00	8213.764 8213.952 8214.139	37°, 83°, 45°	58°, 34°, 298°	19:01:08.15 +44:46:08.9	48.80	420.0	5	Candidate non transiting circumbinary planet. Want good coverages of the eclipses in multiple colors, and eclipse times.

Thu. 04-05-2018 : Nautical twilight 20:32 - 05:43 (EST5EDT)

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Thu. 04-05-2018 Nautical twilight 20:32 - 05:43 (EST5EDT)	KC22C08344 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	10.50 Moon 71% @75°	17:47—19:59—22:11 ± 1:31	4:25	8214.407 8214.500 8214.592	05°, 18°, 36°	22°, 38°, 50°	15:15:59.80 +50:31:39.4	5.62	17.0	15	MCMC lightly skewed in durations. Cliff, 2/14/18 missed egress but saw 2% round-bottomed in Rc; arrived 13min late, so Tc shifted by 0.009d. Allyson, 3/3/18 saw >1% egress in i'. Steven, 2/28/18 saw 1.5% egress in i'.
Thu. 04-05-2018 Nautical twilight 20:32 - 05:43 (EST5EDT)	KC26C17745 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	12.18 Moon 70% @116°	18:42—21:34—00:26 ± 0:49	5:45	8214.446 8214.566 8214.685	45°, 41°, 36°	355°, 352°, 352°	04:35:34.72 +83:12:31.2	4.44	27.7	6	MCMC not well mixed in a/R* and log(g); V ~ 11 star 1.5' away. Howie, 12/16/17 saw 5% egress in i' occurring at predicted ingress; Tc shifted earlier by 0.14d. Karen, 12/29/17 saw 8% in g' but missed the first half of ingress; Tc
Thu. 04-05-2018 Nautical twilight 20:32 - 05:43 (EST5EDT)	KS14C006847 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	9.79 Moon 69% @33°	21:12—00:08—03:04 ± 1:06	5:52	8214.550 8214.673 8214.795	-52°, -23°, 11°	37°, 80°, 108°	19:35:43.38 -06:46:44.1	4.56	3.69	4	systematics, so we need another observation to confirm. Roberto, Ic, 2017/09/21 observed ingress window while saw no clear show. Next observation should use filters giving highest SNR. If nothing at the original
Thu. 04-05-2018 Nautical twilight 20:32 - 05:43 (EST5EDT)	KJ06C004063_SEC Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	8.82 Moon 69% @149°	21:16—00:04—02:52 ± 0:52	5:36	8214.553 8214.670 8214.786	51°, 22°, -10°	222°, 261°, 288°	07:27:09.40 +07:20:07.4	3.62	5	8	Ephemeris for the secondary of KJ06C004063, assuming a circular orbit. Need high-quality observations of the full event only.
Thu. 04-05-2018 Nautical twilight 20:32 - 05:43 (EST5EDT)	KC22C19145 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	11.09 Moon 69% @81°	22:19—23:54—01:29 ± 1:18	3:10	8214.597 8214.663 8214.729	34°, 46°, 58°	39°, 42°, 39°	15:56:21.97 +58:39:30.2	2.79	4.4	3	MCMC bimodal in Tc, P. Steven, 12/28/17 saw no ingress in i' above 6mmag RMS. Check egress. Steven, 2/8/18 missed ingress but saw nothing above a couple mmag RMS; T3 1 arcmin S

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Thu. 04-05-2018 Nautical twilight 20:32 - 05:43 (EST5EDT)	KS25C013712 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	10.8 Moon 69% @45°	22:27—00:36—02:45 ± 0:41	4:19	8214.602 8214.692 8214.782	-0°, 15°, 20°	132°, 155°, 184°	14:20:29.50 -31:12:07.4	4.51	9.57	10	which is consistent with previous observations. TG observed a 12 mmag full transit in the V band on 5/7/15. Ivan and Chris observed this on 5/16/15 in the B band and saw a ~12 mmag flat-bottomed
Thu. 04-05-2018 Nautical twilight 20:32 - 05:43 (EST5EDT)	K2WJ_231635524 Finding charts: Annotated , SkyMap ; Info: Simbad , 2MASS ; Airmass plot , ACP plan	14.75 Moon 68% @11°	00:58—02:49—04:40	3:42	8214.707 8214.784 8214.861	-1°, 14°, 21°	128°, 148°, 172°	17:07:33.40 -29:16:21.3	5.88	14	10	K2 Warm Jupiter. Looking for event confirmation and refining the ephemeris. Use optimal SNR filter and longest available observing window. The contact for this project is Knicole
Thu. 04-05-2018 Nautical twilight 20:32 - 05:43 (EST5EDT)	KC22C04518 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	10.31 Moon 68% @90°	02:14—03:32—04:50 ± 0:11	2:36	8214.760 8214.814 8214.869	60°, 63°, 61°	17°, 1°, 345°	15:28:35.19 +66:21:31.5	2.26	20.0	20	ingress 0.004 late, T_c (old:8007.2923)), duration (old:2.74), and P (old:2.2552347) updated. Tom, 1/26/18 saw 2% in I. Allyson, 2/4/18 saw 2.5% egress in i'. Steven, 2/3/18 saw 2% in g' slightly late; T_c nudged 0.01d later.
Thu. 04-05-2018 Nautical twilight 20:32 - 05:43 (EST5EDT)	Kepler_EB_9474969_s Finding charts: Annotated , SkyMap ; Info: Simbad , 2MASS ; Airmass plot , ACP plan	12.5 Moon 66% @71°	04:49—10:49—16:49	12:00	8214.868 8215.118 8215.368	56°, 57°, 04°	63°, 297°, 331°	19:42:30.94 +46:03:04.9	21.57	140.0	2	This EB has detected solar oscillations, and might be a fantastic test case for fundamental masses and radii. Please observe simultaneously in V and I (or g and i) if possible.
Thu. 04-05-2018 Nautical twilight 20:32 - 05:43 (EST5EDT)	KC10C19596 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	10.82 Moon 67% @61°	05:43—08:05—10:27 ± 1:07	4:44	8214.905 8215.004 8215.103	80°, 73°, 46°	82°, 280°, 290°	18:28:43.50 +39:40:27.1	7.47	4.7	3	Tom, I, 6/18/16 missed egress and had a gap around mid; even so, saw nothing above a few mmag RMS. Howie, 10/23/16 caught ingress and mid (gap in between; no egress) and saw

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Targets for out-of-transit observations

Note: these may transit, too, so check the transit times above to ensure you are observing out of transit.

Search:

Name	V mag	Peak night-time elevation	Time of peak elevation	RA & Dec (J2000)	Priority	Comments
K2_BL_EPIC_211524375 Finding charts: Annotated , SkyMap ; Info: Simbad , 2MASS ; Airmass plot	17.13	64°	21:01	08:45:47.20 +13:28:58.2	6	A K2 blazar target. Get several observations over 30 minutes or so, in order to determine what precision you can obtain for this target. R-band or r-band is preferred. Observed by Allysoin on 20171228.
K2_BL_EPIC_211852059 Finding charts: Annotated , SkyMap ; Info: Simbad , 2MASS ; Airmass plot	17.05	69°	20:51	08:39:30.73 +18:02:47.0	6	A K2 blazar target. Get several observations over 30 minutes or so, in order to determine what precision you can obtain for this target. R-band or r-band is preferred. Observed by Allysoin on 20171228.
K2_BL_EPIC_212035517 Finding charts: Annotated , SkyMap ; Info: Simbad , 2MASS ; Airmass plot	15.474	72°	21:11	09:02:26.90 +20:50:46.1	6	A K2 blazar target. Get several observations over 30 minutes or so, in order to determine what precision you can obtain for this target. R-band or r-band is preferred. Observed by Allysoin on 20171228.
K2_CV_EPIC_211417284 Finding charts: Annotated , SkyMap ; Info: Simbad , 2MASS ; Airmass plot	14.5	63°	21:01	08:50:36.99 +11:54:04.7	4	A K2 CV target. Get time-series photometry in a blue bandpass. B or g if available, V is acceptable. Aim for highest SNR over several hours. Ideally, use a cadence of 1-2 minutes, so long as you can get precision of 0.02 mag. Observed by Karen on 20171209. Observed by Howie on 20171223. Observed by Howie on 20171227.
K2_CV_EPIC_211906940 Finding charts: Annotated , SkyMap ; Info: Simbad , 2MASS ; Airmass plot	13.5	70°	21:21	09:09:50.55 +18:49:47.3	8	A K2 CV target, also known as GY Cnc, an eclipsing CV. Get time-series photometry in a blue bandpass. B or g if available, V is acceptable. Aim for highest SNR over several hours. Ideally, use a cadence of 1-2 minutes, so long as you can get precision of 0.02 mag. Observed by Allyson on 20171228, and again on 20180101.

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KELT North America Followup Planner

Site	Observer	Target	When	Duration
Site ▾	Your Name	K#	Today ▾	Full Transi ▾
Estimate Success	Filter 1	Filter 2	Filter 3	Filter 4
50% ▾	Open ▾	None ▾	None ▾	None ▾
Comment	Update Comment	Remove Entry	Selected Entry	
Your Text	Update	Delete	0	
New Entry	View Sorted	View Unsorted	Weather	Satellite
Submit	Sort	Unsort	Clouds	East IR ▾

Database as of 2018-04-04 17:00:21

Script took 0 seconds.