

Upcoming events for the next 1 day 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/hideReset column orderShow all columns

Local evening date	Name	V mag	Start — Mid — End	BJDTDB start-mid-end	Duration	Elev. at start, mid, end	Az. at start, mid, end	RA & Dec (J2000)	Period (days)	Depth (mmag)	Priority	Comments
Tue. 05-08-2018 : Nautical twilight 21:10 - 04:53 (EST5EDT)												
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	KS25C020523 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	11.75	14:41—18:29	8247.278 8247.437 8247.596	7:37	-62°, -20°, 10°	96°, 121°, 155°	14:20:15.90 -36:09:09.2	9.01	6.69	4	Nearby companion ~3.5". Phil, Rc, 2018/03/02 observed from ingress through post mid-transit and saw no show in target and its neighbor. Priority lowered and ephemeris changed to 2xBLS at the ..
		Moon 42% @101°	—22:17 ± 0:39									
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC7269967 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	10.48	15:14—18:33	8247.302 8247.440 8247.578	6:38	32°, 40°, 14°	138°, 199°, 247°	07:35:40.55 -08:43:28.0	2.65	17.08	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 42% @138°	—21:52									

Local evening date	Name	V mag	Start — Mid — End	BJD _{TDB} start-mid-end	Duration	Elev. at start, mid, end	Az. at start, mid, end	RA & Dec (J2000)	Period (days)	Depth (mmag)	Priority	Comments
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC378080836 Finding charts: Annotated , SkyMap ; Info: ExoFOP TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	9.48	16:43— 19:36—22:29	8247.363 8247.484 8247.604	5:46	-12°, -9°, 12°	349°, 23°, 50°	19:39:04.05 +37:45:30.1	2.85	3.43	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 42% @62°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC265271800 Finding charts: Annotated , SkyMap ; Info: ExoFOP TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	11.31	16:50— 19:04—21:18	8247.368 8247.461 8247.555	4:29	23°, 13°, 09°	330°, 343°, 360°	23:19:45.87 +60:09:21.6	1.29	22.32	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 42% @76°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC377618231 Finding charts: Annotated , SkyMap ; Info: ExoFOP TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	8.53	17:59— 19:57—21:55	8247.416 8247.498 8247.580	3:56	17°, 11°, 10°	338°, 351°, 5°	23:12:40.08 +60:43:00.4	1.75	27.57	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 41% @76°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC278947060 Finding charts: Annotated , SkyMap ; Info: ExoFOP TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	10.87	18:23— 20:49—23:15	8247.432 8247.534 8247.636	4:53	05°, 02°, 10°	344°, 6°, 26°	22:12:07.56 +53:02:04.4	1.70	14.36	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 41% @67°										

Local evening date	Name	V mag	Start — Mid — End	BJD _{TDB} start-mid-end	Duration	Elev. at start, mid, end	Az. at start, mid, end	RA & Dec (J2000)	Period (days)	Depth (mmag)	Priority	Comments
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC270013433 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	11.13	18:23—20:24—22:25	8247.433 8247.517 8247.601	4:02	19°, 14°, 14°	341°, 353°, 7°	23:25:36.33 +64:06:46.3	1.97	17.06	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 41% @80°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC352342181 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	9.9	18:34—20:46—22:58	8247.441 8247.532 8247.624	4:24	01°, 06°, 19°	2°, 21°, 37°	20:21:54.27 +52:08:31.5	1.91	15.36	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 41% @70°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC12691951 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	10.53	18:40—20:54—23:08	8247.444 8247.538 8247.631	4:29	-21°, -10°, 10°	11°, 39°, 61°	19:53:54.97 +28:56:33.9	1.46	17.63	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 41% @53°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	KS13C008893 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	10.13	18:49—23:07—03:25 ± 0:56	8247.451 8247.631 8247.810	8:37	-27°, 20°, 61°	49°, 93°, 165°	17:57:26.80 +10:15:14.6	10.59	3.66	3	Joao, R, 2015/07/11 saw no event. Ephemeris changed to 2xBLS, at the phase not covered by Joao's observation. Joao, I, 2016/06/19 saw no event at the updated ephemeris. Adjusting the period ..
		Moon 40% @67°										

Local evening date	Name	V mag	Start — Mid — End	BJD _{TDB} start-mid-end	Duration	Elev. at start, mid, end	Az. at start, mid, end	RA & Dec (J2000)	Period (days)	Depth (mmag)	Priority	Comments
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC83880538 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	8.66	19:01—21:17—23:33	8247.459 8247.554 8247.649	4:33	-14°, -2°, 18°	15°, 40°, 59°	19:51:28.27 +35:01:51.5	0.98	4.42	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 41% @59°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC229726748 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	9.98	19:03—21:59—00:55	8247.460 8247.583 8247.706	5:53	-42°, -15°, 02°	121°, 138°, 163°	16:36:17.77 -45:45:59.0	1.76	3.46	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 40% @75°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC252737456 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	10.12	19:07—20:10—21:13	8247.463 8247.507 8247.551	2:07	06°, 03°, 02°	342°, 351°, 0°	23:11:05.92 +52:58:01.6	0.63	21.93	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 41% @69°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC250607875 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	10.37	19:13—20:27—21:41	8247.467 8247.519 8247.570	2:28	22°, 14°, 08°	322°, 330°, 339°	02:08:41.23 +53:09:10.7	2.14	8.32	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 41% @85°										

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Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	KS14C006779 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	10.2 Moon 40% @42°	19:22—21:47—00:12 ± 0:32	8247.474 8247.575 8247.676	4:50	-49°, -23°, 05°	50°, 82°, 105°	19:20:19.25 -08:03:42.0	13.43	5.19	10	Observed a large fraction of the predicted event, and saw no variability. Ephemeris changed to 2xBLS at the other phase, where there appears to be a transit in the KELT photometry. David, r', 2017/07/31 observed
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC197035062 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	11.93 Moon 41% @125°	19:56—21:06—22:16	8247.498 8247.546 8247.595	2:20	48°, 35°, 23°	285°, 292°, 300°	06:22:11.22 +36:59:19.4	0.86	12.44	6	Hot star planet candidate. Magnitude reported is Gaia G.
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC231523398 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	8.92 Moon 41% @131°	20:13—21:13—22:13	8247.509 8247.551 8247.593	2:00	18°, 12°, 05°	204°, 216°, 227°	08:30:25.40 -28:39:22.0	0.78	5.28	6	Hot star planet candidate. Magnitude reported is Gaia G.
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC188207782 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	11.37 Moon 41% @138°	20:24—21:20—22:16	8247.517 8247.556 8247.595	1:53	24°, 24°, 21°	174°, 187°, 201°	10:50:33.34 -26:44:29.0	0.95	8.24	6	Hot star planet candidate. Magnitude reported is Gaia G.

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Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC15781119 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	11.39	20:29—22:36—00:43	8247.520 8247.609 8247.697	4:14	-9°, 05°, 25°	24°, 46°, 62°	20:28:19.73 +36:28:35.4	1.72	28.82	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 40% @56°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC280682885 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	11.02	21:06—22:01—22:56	8247.546 8247.584 8247.623	1:51	30°, 20°, 09°	243°, 254°, 263°	07:43:58.32 +00:25:42.1	1.43	6.91	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 40% @142°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC322054856 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	11.25	21:12—23:18—01:24	8247.550 8247.638 8247.726	4:13	19°, 25°, 35°	9°, 19°, 26°	21:35:22.00 +68:42:02.6	2.39	19.86	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 40% @83°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC165456443 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	9.4	21:14—23:00—00:46	8247.551 8247.625 8247.699	3:32	14°, 14°, 06°	171°, 193°, 213°	11:59:51.39 -36:08:54.0	4.31	21.51	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 40% @124°										

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Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC64727218 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	11.4	21:20—22:18—23:16	8247.556 8247.596 8247.636	1:56	21°, 10°, -1°	245°, 255°, 264°	07:27:58.99 -04:51:03.0	0.56	8.98	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 40% @136°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC102498584 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	9.64	21:30—23:13—00:56	8247.562 8247.634 8247.707	3:27	-2°, 13°, 31°	42°, 57°, 69°	19:57:51.05 +33:54:43.9	0.73	6.26	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 40% @57°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC260957023 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	11.05	21:36—23:42—01:48	8247.567 8247.655 8247.743	4:13	20°, 03°, -7°	309°, 325°, 346°	05:04:18.00 +42:09:04.4	1.90	12.87	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 39% @108°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	KC09C06525 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	8.66	21:53—23:29—01:05 ± 0:06	8247.578 8247.645 8247.712	3:12	39°, 58°, 74°	87°, 104°, 143°	15:49:32.93 +25:27:36.7	4.67	13.3	1	Known EB/suspected triple (plus a common PM star ~15" away?); Inner P ~ 0.67d, outer P ~ 4.89d; 1, 0.37, 0.8 solar masses, respectively. Depth reportedly 8%, but our orbital solution looks
		Moon 40% @101°										

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Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC269624683 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	9.7	22:10—00:34—02:58	8247.591 8247.691 8247.791	4:48	10°, -15°, -30°	287°, 311°, 344°	05:59:11.23 +19:23:54.9	1.35	9.65	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 39% @119°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC468682727 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	12.25	22:15—23:43—01:11	8247.594 8247.656 8247.717	2:56	00°, 09°, 20°	22°, 35°, 45°	22:04:42.62 +46:28:30.8	1.45	21.25	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 39% @60°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC99707469 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	11.09	22:19—01:05—03:51	8247.597 8247.712 8247.828	5:32	-3°, 24°, 55°	44°, 68°, 89°	20:41:00.81 +31:34:06.3	2.36	8.52	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 39% @51°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC16946265 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	11.01	22:34—00:01—01:28	8247.607 8247.668 8247.729	2:55	05°, 18°, 32°	44°, 56°, 66°	20:32:18.28 +37:20:58.5	1.18	18.68	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 39% @56°										

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Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC318741185 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	9.74 Moon 39% @69°	22:45—00:44—02:43	8247.614 8247.697 8247.780	3:58	05°, 13°, 26°	13°, 28°, 40°	23:19:08.92 +54:02:05.2	1.25	3.8	6	Hot star planet candidate. Magnitude reported is Gaia G.
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC116608612 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	9.31 Moon 39% @116°	22:59—00:20—01:41	8247.624 8247.681 8247.738	2:43	09°, -2°, -11°	309°, 321°, 335°	05:42:39.17 +35:11:08.6	3.46	3.89	6	Hot star planet candidate. Magnitude reported is Gaia G.
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	KC04C020627 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	8.57 Moon 39% @109°	22:58—00:34—02:10 ± 0:06	8247.624 8247.691 8247.757	3:12	03°, -9°, -16°	311°, 327°, 347°	05:13:10.93 +33:19:05.4	2.73	6.7	1	KELT-7. Left active for TTV work.
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	KS14C003347 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	9.12 Moon 38% @34°	23:05—01:58—04:51 ± 0:42	8247.628 8247.749 8247.870	5:47	-15°, 18°, 42°	86°, 114°, 157°	20:01:55.74 -06:14:06.3	14.72	6.26	10	When do not show any clear variation. Allyson, i, 2017/05/28 saw observed no transit event at the original phase, ephemeris adjusted to 2xBLS at the other phase where there is a dip in the KELT data. Priority lowered and next

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Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC396787785 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	9.51 Moon 38% @46°	23:06—02:09 —05:12	8247.629 8247.757 8247.884	6:07	01°, 35°, 68°	63°, 90°, 139°	20:15:18.19 +21:13:38.7	2.90	10.43	6	Hot star planet candidate. Magnitude reported is Gaia G.
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC354006892 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	10.18 Moon 38% @116°	23:09—02:55 —06:41	8247.631 8247.788 8247.946	7:32	10°, -13°, -4°	310°, 348°, 32°	05:53:17.75 +37:25:21.2	1.41	6.51	6	Hot star planet candidate. Magnitude reported is Gaia G.
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	KS13C003426 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	9.3 Moon 39% @60°	23:47—01:40 —03:33 ± 0:24	8247.657 8247.736 8247.815	3:47	16°, 36°, 49°	105°, 127°, 162°	18:21:15.02 -00:47:10.9	5.19	4.17	10	Steven, with a spectral temp of 7459 K from ANU spectra, this corresponds to a 1.77 R _{jup} companion. Steven, i', 2017/06/10 saw a nearly full ~17 mmag event, arriving slightly early. Ephemeris slightly adjusted. Phil, B,
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	KS14C001446 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	8.75 Moon 38% @46°	23:49—02:34 —05:19 ± 0:23	8247.659 8247.774 8247.889	5:30	07°, 38°, 57°	88°, 118°, 175°	19:32:58.59 +05:45:41.2	3.83	3.41	3	2017/06/27 Phil, B, who saw no event. Observation covered full transit. Ephemeris changed to 2xBLS+0.5*phase, where there seems to be an event in the KELT data. Steven, i, 2017/10/27 observed egress window while saw

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Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC28939184 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	11.64 Moon 39% @67°	23:57—01:15—02:33	8247.665 8247.719 8247.774	2:37	31°, 46°, 61°	72°, 81°, 93°	18:53:10.19 +32:18:18.0	1.53	10.25	6	Hot star planet candidate. Magnitude reported is Gaia G.
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC371163505 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	9.49 Moon 38% @66°	00:20—02:22—04:24	8247.681 8247.766 8247.851	4:05	18°, 34°, 52°	36°, 46°, 51°	21:58:04.08 +52:33:14.7	1.71	8.04	6	Hot star planet candidate. Magnitude reported is Gaia G.
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC97287901 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	10.81 Moon 38% @148°	00:43—02:54—05:05	8247.696 8247.788 8247.879	4:22	09°, -12°, -25°	294°, 315°, 344°	08:10:58.35 +24:12:35.4	1.79	10.7	6	Hot star planet candidate. Magnitude reported is Gaia G.
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC136368536 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	11.22 Moon 38% @62°	01:07—04:42—08:17	8247.713 8247.863 8248.013	7:11	27°, 62°, 75°	50°, 62°, 307°	21:09:44.75 +46:42:07.6	2.77	28.45	6	Hot star planet candidate. Magnitude reported is Gaia G.

Local evening date	Name	V mag	Start — Mid — End	BJD _{TDB} start-mid-end	Duration	Elev. at start, mid, end	Az. at start, mid, end	RA & Dec (J2000)	Period (days)	Depth (mmag)	Priority	Comments
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	KS26C002384 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	9.19	01:17—04:09 —07:01 ± 1:09	8247.720 8247.840 8247.959	5:44	43°, 31°, 01°	174°, 226°, 258°	15:36:59.50 -08:10:58.5	5.31	3.32	25	2017/02/20 possibly saw an ingress occurring on time. Steven, I', 2017/03/14 observed an ingress window, probably seeing an ingress occurring on time. Steven, 2017/06/18 observed an egress window, possibly
		Moon 38% @99°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	KS24C000932 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	8.23	01:19—02:22 —03:25 ± 0:40	8247.721 8247.765 8247.810	2:07	04°, -4°, -14°	217°, 227°, 236°	12:10:20.80 -35:14:07.2	1.45	2.43	3	2017/02/20 possibly saw an ingress occurring on time. Steven, I', 2017/03/14 observed an ingress window, probably seeing an ingress occurring on time. Steven, 2017/06/18 observed an egress window, possibly
		Moon 38% @125°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC12985543 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	10.7	01:23—02:41 —03:59	8247.725 8247.779 8247.833	2:36	11°, 14°, 20°	8°, 17°, 25°	02:17:55.22 +60:55:41.0	1.97	18.57	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 38% @88°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC106001428 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	10.56	01:23—02:42 —04:01	8247.725 8247.780 8247.835	2:38	33°, 48°, 64°	76°, 86°, 100°	20:04:25.24 +30:05:16.7	1.96	5.41	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 38% @54°										

Local evening date	Name	V mag	Start — Mid — End	BJD _{TDB} start-mid-end	Duration	Elev. at start, mid, end	Az. at start, mid, end	RA & Dec (J2000)	Period (days)	Depth (mmag)	Priority	Comments
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC202879408 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	10.05	01:26—04:07 —06:48	8247.726 8247.838 8247.950	5:22	33°, 64°, 82°	70°, 89°, 238°	20:17:53.58 +34:31:03.5	1.55	21.02	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 38% @56°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC191178003 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	11.07	01:52—05:03 —08:14	8247.744 8247.877 8248.010	6:23	06°, 32°, 64°	32°, 53°, 62°	00:33:45.94 +46:31:53.1	4.34	27.18	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 37% @66°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC371480678 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	10.03	01:53—03:39 —05:25	8247.745 8247.819 8247.893	3:32	25°, 38°, 52°	36°, 42°, 44°	22:51:45.99 +57:00:52.4	0.74	16.7	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 38% @70°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC445550537 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	10.97	01:56—05:10 —08:24	8247.747 8247.882 8248.017	6:28	11°, 27°, 51°	15°, 34°, 41°	02:01:22.53 +58:57:09.1	1.68	19.59	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 37% @84°										

Local evening date	Name	V mag	Start — Mid — End	BJD _{TDB} start-mid-end	Duration	Elev. at start, mid, end	Az. at start, mid, end	RA & Dec (J2000)	Period (days)	Depth (mmag)	Priority	Comments
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	K2WJ_248783452 Finding charts: Annotated , SkyMap ; Info: Simbad , 2MASS ; Airmass plot , ACP plan	12.3 Moon 37% @173°	02:14— 05:16 —08:18	8247.760 8247.887 8248.014	6:05	13°, -21°, -40°	273°, 303°, 351°	10:49:28.02 +10:17:00.8	44.76	17	2	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
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	KS14C008210 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	9.95 Moon 38% @48°	02:18— 03:41 —05:04 ± 0:09	8247.762 8247.821 8247.879	2:47	35°, 48°, 54°	120°, 142°, 174°	19:21:27.99 +02:49:03.4	1.56	8.68	2	to the outer limit of the... Phil, B, 2017/07/02 saw a full ~13 mmag event, but with somewhat high scatter, so it is not conclusive if this is a different depth than other observations. Paul, i' and g', 2017/07/10 observed
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	KC11C040745 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	10.21 Moon 37% @65°	02:50— 06:19 —09:48 ± 0:37	8247.785 8247.930 8248.076	6:58	58°, 81°, 41°	78°, 269°, 291°	19:36:04.37 +38:13:34.6	2.16	2.8	4	more highly obscured in Tc, P, and duration; delta Scuti. Steven, 06/02/16 had high scatter but caught egress; a fit model shows 2-3mmag. Steven, 11/12/17 observed egress in i'; binned data (RMS < 1mmag) hints at a
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC163373764 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	10.81 Moon 37% @49°	03:00— 05:10 —07:20	8247.792 8247.883 8247.973	4:20	41°, 66°, 82°	78°, 98°, 208°	21:05:34.11 +31:49:44.3	1.62	8.61	6	Hot star planet candidate. Magnitude reported is Gaia G.
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	KS14C018924 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	10.65 Moon 37% @48°	03:26— 06:12 —08:58 ± 0:27	8247.810 8247.925 8248.041	5:32	47°, 53°, 30°	135°, 202°, 249°	19:23:33.23 +04:14:59.8	4.61	10.32	25	observed some baseline through shortly past ingress in i' on 2015/10/25 seeing a depth of ~15 mmag with flat-bottom, corresponding to a ~1.7 R _{jup} companion (with T _{star} ~7100 K). The

Local evening date	Name	V mag	Start — Mid — End	BJD _{TDB} start-mid-end	Duration	Elev. at start, mid, end	Az. at start, mid, end	RA & Dec (J2000)	Period (days)	Depth (mmag)	Priority	Comments
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC362013620 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	11.13	03:48— 12:13 — 20:38	8247.825 8248.176 8248.528	16:51	40°, 51°, 07°	42°, 317°, 360°	22:44:36.97 +57:32:26.7	2.91	10.75	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 36% @70°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC224498048 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	9.67	04:12— 06:17 — 08:22	8247.842 8247.929 8248.016	4:10	62°, 57°, 36°	161°, 223°, 256°	18:49:28.27 +12:14:25.4	1.94	5.92	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 37% @59°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	KS13C051509 Finding charts: Annotated , SkyMap ; Info: KELT page , Simbad , 2MASS ; Airmass plot , ACP plan	11.79	04:24— 09:24 — 14:24 ± 0:23	8247.850 8248.059 8248.267	10:00	43°, 14° , -42°	166°, 248°, 301°	19:07:20.92 -07:34:48.6	7.55	19.5	2	This could be explained by a dearth of data points in that region of phase space. Chris, R, 2016/05/21 possibly saw a late ingress, but a meridian flip near the predicted mid-transit makes it difficult to tell if the dip is real or not.
		Moon 36% @50°										
Tue. 05-08-2018 Nautical twilight 21:10 - 04:53 (EST5EDT)	TIC24466762 Finding charts: Annotated , SkyMap ; Info: ExoFOP , TESS page , Simbad , 2MASS ; Airmass plot , ACP plan	10.43	04:50— 06:14 — 07:38	8247.868 8247.927 8247.985	2:48	44°, 56°, 68°	48°, 49°, 40°	23:16:30.15 +53:45:33.5	1.07	6.66	6	Hot star planet candidate. Magnitude reported is Gaia G.
		Moon 37% @68°										

Showing 1 to 59 of 59 entries

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
Boyajians star Finding charts: Annotated , SkyMap ; Info: Simbad , 2MASS ; Airmass plot	11.7	75°	04:50	20:06:15.46 +44:27:24.6	1	Boyajian's star, irregular / mysterious variable. Observe if no high-priority KELT targets are well-placed, in filter that gives highest S/N. Howie observed with LCO multiple times in May 2017.

Showing 1 to 1 of 1 entries

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 2018-05-08 20:17:01

Entry	Date	Date Obs	Target	Filter 1	Filter 2	Filter 3	Filter 4	Duration	Site	Observer	Probability	Comments
0	2018-05-08 15:59:09	Today	TIC12025414	R	None	None	None	Ingress	Other	CliffKotnik	50	

Script took 1 seconds.