

Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

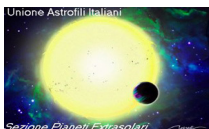
(C. Lopresti)

planet	RA	DEC	periodo	durata	depth	ingress	midpoint	egress	mag(V)	ing (alt)	mid (alt)	egr (alt) (*)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	19/6/20 0.49	2:19	3:49	11.3	(49°,W)	(33°,W)	(17°,NW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	20/6/20 22.42	0:00	1:17	12.1	(46°,S)	(39°,SW)	(29°,SW)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	21/6/20 1.25	2:32	3:40	12.9	(11°,SE)	(22°,SE)	(30°,SE)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	21/6/20 20.54	22:12	23:29	12.1	(45°,S)	(46°,S)	(42°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	22/6/20 19.07	20:25	21:43	12.1	(33°,SE)	(43°,SE)	(47°,S)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	22/6/20 19.51	20:57	22:02	12.43	(14°,E)	(26°,E)	(38°,E)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	22/6/20 20.42	21:57	23:12	11.72	(27°,E)	(40°,E)	(54°,E)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	22/6/20 23.24	0:54	2:24	11.3	(60°,W)	(45°,W)	(29°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	23/6/20 19.58	21:12	22:27	11.72	(20°,NE)	(33°,E)	(46°,E)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	24/6/20 0.58	2:03	3:09	12.43	(62°,S)	(63°,S)	(57°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	24/6/20 19.13	20:28	21:42	11.72	(14°,NE)	(26°,E)	(39°,E)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	26/6/20 0.37	2:13	3:50	13.03	(30°,E)	(47°,E)	(64°,E)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	26/6/20 22.01	23:31	1:00	11.3	(71°,SW)	(57°,W)	(41°,W)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	26/6/20 23.46	0:53	2:00	12.54	(32°,SW)	(25°,SW)	(16°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	28/6/20 21.23	22:29	23:34	12.43	(35°,E)	(46°,SE)	(56°,SE)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	30/6/20 20.36	22:06	23:35	11.3	(75°,S)	(68°,SW)	(53°,W)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	1/7/20 19.40	20:47	21:53	12.54	(30°,SE)	(35°,S)	(37°,S)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	2/7/20 23.28	0:46	2:03	12.1	(37°,SW)	(27°,SW)	(13°,W)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	3/7/20 21.40	22:58	0:15	12.1	(46°,S)	(40°,SW)	(30°,SW)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	4/7/20 19.12	20:42	22:12	11.3	(68°,SE)	(74°,S)	(65°,SW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	4/7/20 21.03	22:29	23:55	9.73	(31°,NW)	(20°,NW)	(12°,NW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	4/7/20 22.57	0:02	1:08	12.43	(54°,SE)	(61°,SE)	(63°,S)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	5/7/20 19.31	20:41	21:51	12.8	(78°,W)	(65°,W)	(53°,W)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	5/7/20 22.46	0:20	1:53	11.29	(18°,NE)	(29°,NE)	(43°,NE)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	8/7/20 0.36	1:43	2:51	12.9	(14°,SE)	(24°,SE)	(32°,SE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	9/7/20 19.22	20:28	21:33	12.43	(21°,E)	(33°,E)	(44°,E)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	9/7/20 20.50	21:57	23:04	12.54	(37°,S)	(36°,S)	(31°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	11/7/20 0.29	1:35	2:40	12.43	(63°,S)	(60°,SW)	(52°,SW)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

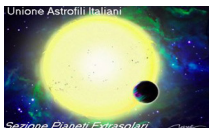
(C. Lopresti)

XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	11/7/20 22.01	23:28	0:54	9.86	(14°,N)	(20°,NE)	(27°,NE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	15/7/20 20.56	22:01	23:07	12.43	(42°,E)	(52°,SE)	(60°,SE)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	15/7/20 22.26	23:44	1:01	12.1	(38°,SW)	(28°,SW)	(15°,W)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	16/7/20 20.39	21:57	23:15	12.1	(46°,S)	(41°,SW)	(31°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	17/7/20 18.53	20:11	21:28	12.1	(43°,SE)	(47°,S)	(44°,SW)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	17/7/20 21.59	23:06	0:13	12.54	(34°,SW)	(28°,SW)	(19°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	18/7/20 1.22	2:36	3:51	11.72	(75°,SW)	(64°,W)	(51°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	19/7/20 0.37	1:52	3:06	11.72	(78°,S)	(71°,SW)	(58°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	19/7/20 23.53	1:07	2:22	11.72	(77°,SE)	(76°,SW)	(65°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	20/7/20 23.08	0:23	1:37	11.72	(72°,SE)	(78°,S)	(71°,SW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	20/7/20 23.58	1:32	3:05	11.29	(35°,NE)	(49°,NE)	(65°,E)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	21/7/20 20.04	20:55	21:46	12.214	(45°,SW)	(38°,SW)	(30°,SW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	21/7/20 21.06	22:16	23:26	12.8	(50°,W)	(38°,NW)	(28°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	21/7/20 22.23	23:38	0:53	11.72	(65°,E)	(76°,SE)	(77°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	21/7/20 22.28	23:34	0:39	12.43	(59°,SE)	(63°,S)	(61°,SW)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	21/7/20 23.06	0:57	2:48	9.5	6 (2°,E)	(21°,E)	(39°,SE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	22/7/20 21.39	22:53	0:08	11.72	(58°,E)	(71°,SE)	(78°,S)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	23/7/20 20.54	22:09	23:23	11.72	(51°,E)	(64°,E)	(75°,SE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	24/7/20 20.09	21:24	22:39	11.72	(44°,E)	(57°,E)	(70°,SE)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	24/7/20 21.02	21:53	22:44	12.214	(35°,SW)	(27°,W)	(18°,W)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	24/7/20 23.48	0:56	2:03	12.9	(18°,SE)	(27°,SE)	(33°,SE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	25/7/20 19.25	20:39	21:54	11.72	(36°,E)	(50°,E)	(63°,E)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	26/7/20 18.40	19:55	21:09	11.72	(29°,E)	(42°,E)	(56°,E)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	26/7/20 18.54	19:59	21:04	12.43	(28°,E)	(40°,E)	(50°,SE)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	27/7/20 21.01	22:27	23:54	9.86	(15°,N)	(20°,NE)	(27°,NE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	28/7/20 0.00	1:06	2:11	12.43	(62°,S)	(56°,SW)	(46°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	28/7/20 21.25	22:43	0:01	12.1	(40°,SW)	(29°,SW)	(17°,W)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	29/7/20 19.39	20:57	22:14	12.1	(47°,S)	(42°,SW)	(33°,SW)
WASP-38 b (Her)	16 15 50.38	+10 01 57.70	6.871815	279.8	0.0108	29/7/20 20.19	22:39	0:59	9.4	(53°,SW)	(33°,W)	9 (9°,W)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	30/7/20 19.04	20:11	21:17	12.54	(36°,S)	(37°,S)	(33°,SW)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



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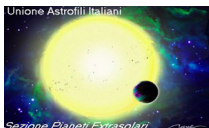
(C. Lopresti)

WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	31/7/20 0.17	2:08	3:58	9.5	(21°,E)	(38°,SE)	(48°,S)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	31/7/20 1.36	3:02	4:29	9.86	(40°,NE)	(51°,NE)	(62°,NE)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	31/7/20 20.31	22:07	23:44	13.03	(14°,NE)	(30°,E)	(46°,E)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	1/8/20 20.27	21:33	22:38	12.43	(48°,SE)	(57°,SE)	(63°,S)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	2/8/20 18.53	20:19	21:45	9.73	(33°,NW)	(22°,NW)	(13°,NW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	2/8/20 21.34	23:08	0:41	11.29	(22°,NE)	(35°,NE)	(49°,NE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	3/8/20 1.34	2:39	3:45	12.43	(48°,SW)	(37°,W)	(26°,W)
CoRoT-10 b (Aql)	19 24 15.29	00 44 46.11	13.2406	178.8	0.0172	4/8/20 21.05	22:35	0:04	15.22	(46°,S)	(46°,S)	(38°,SW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	5/8/20 1.10	2:44	4:17	11.29	(56°,NE)	(71°,E)	(87°,NE)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	7/8/20 20.13	21:20	22:27	12.54	(36°,S)	(30°,SW)	(22°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	7/8/20 21.59	23:05	0:10	12.43	(62°,S)	(63°,S)	(57°,SW)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	9/8/20 1.27	3:18	5:09	9.5	(38°,SE)	(48°,S)	(46°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	10/8/20 20.25	21:43	23:00	12.1	(41°,SW)	(31°,SW)	(18°,W)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	10/8/20 23.01	0:08	1:16	12.9	(21°,SE)	(29°,SE)	(34°,S)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	11/8/20 18.37	19:55	21:12	12.1	(47°,S)	(43°,SW)	(34°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	12/8/20 18.26	19:32	20:37	12.43	(35°,E)	(46°,SE)	(56°,SE)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	12/8/20 19.59	21:25	22:52	9.86	(15°,N)	(20°,NE)	(28°,NE)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	13/8/20 21.12	22:49	0:25	13.03	(29°,E)	(46°,E)	(62°,E)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	13/8/20 23.33	0:38	1:44	12.43	(58°,SW)	(50°,SW)	(39°,W)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	15/8/20 19.10	20:44	22:17	11.29	(12°,NE)	(22°,NE)	(35°,NE)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	16/8/20 0.35	2:02	3:28	9.86	(40°,NE)	(51°,NE)	(63°,NE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	17/8/20 2.18	3:33	4:47	11.72	(46°,W)	(33°,W)	(20°,NW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	17/8/20 22.46	0:20	1:53	11.29	(41°,NE)	(56°,NE)	(71°,E)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	18/8/20 1.33	2:48	4:03	11.72	(53°,W)	(40°,W)	(27°,W)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	18/8/20 19.58	21:04	22:09	12.43	(54°,SE)	(61°,SE)	(63°,S)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	19/8/20 0.49	2:03	3:18	11.72	(61°,W)	(47°,W)	(34°,W)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	19/8/20 19.06	20:16	21:26	12.8	(51°,W)	(39°,NW)	(28°,NW)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	19/8/20 22.06	23:57	1:47	9.5	(12°,E)	(31°,SE)	(45°,SE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	20/8/20 0.04	1:19	2:33	11.72	(68°,SW)	(55°,W)	(41°,W)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	20/8/20 1.05	2:11	3:16	12.43	(42°,W)	(30°,W)	(19°,W)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

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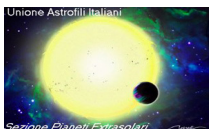
(C. Lopresti)

KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	20/8/20 23.19	0:34	1:49	11.72	(73°,SW)	(62°,W)	(48°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	21/8/20 22.35	23:49	1:04	11.72	(78°,S)	(68°,SW)	(56°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	22/8/20 21.50	23:05	0:19	11.72	(78°,S)	(74°,SW)	(63°,W)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	23/8/20 1.52	3:00	4:07	12.9	(36°,S)	(33°,SW)	(26°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	23/8/20 19.23	20:41	21:59	12.1	(42°,SW)	(32°,SW)	(20°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	23/8/20 21.05	22:20	23:35	11.72	(73°,SE)	(78°,S)	(69°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	24/8/20 20.21	21:36	22:50	11.72	(67°,SE)	(77°,SE)	(75°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	24/8/20 21.32	22:37	23:43	12.43	(63°,S)	(60°,SW)	(52°,SW)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	25/8/20 17.18	19:12	21:05	11.66	(69°,E)	(88°,NE)	(72°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	25/8/20 19.36	20:51	22:06	11.72	(60°,E)	(72°,SE)	(78°,S)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	26/8/20 18.52	20:06	21:21	11.72	(53°,E)	(66°,E)	(76°,SE)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	26/8/20 21.54	23:31	1:07	13.03	(45°,E)	(62°,E)	(78°,SE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	27/8/20 18.07	19:22	20:36	11.72	(45°,E)	(59°,E)	(71°,SE)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	27/8/20 22.12	23:19	0:27	12.9	(23°,SE)	(31°,SE)	(35°,S)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	28/8/20 18.26	19:33	20:40	12.54	(36°,S)	(33°,SW)	(25°,SW)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	28/8/20 18.58	20:25	21:51	9.86	(15°,N)	(20°,NE)	(28°,NE)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	28/8/20 23.16	1:07	2:58	9.5	(30°,SE)	(44°,SE)	(49°,S)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	29/8/20 17.57	19:03	20:08	12.43	(42°,E)	(52°,SE)	(60°,SE)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	30/8/20 17.42	19:36	21:30	11.66	(76°,E)	(84°,W)	(64°,W)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	30/8/20 20.22	21:56	23:29	11.29	(27°,NE)	(41°,NE)	(56°,E)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	30/8/20 23.04	0:10	1:15	12.43	(54°,SW)	(44°,W)	(33°,W)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	31/8/20 23.35	1:01	2:28	9.86	(41°,NE)	(51°,NE)	(63°,NE)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	1/9/20 23.58	1:32	3:05	11.29	(63°,E)	(78°,E)	(86°,NW)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	4/9/20 18.07	20:00	21:54	11.66	(84°,E)	(76°,W)	(57°,W)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	4/9/20 19.31	20:36	21:42	12.43	(59°,SE)	(63°,S)	(61°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	5/9/20 18.23	19:40	20:58	12.1	(43°,SW)	(33°,SW)	(21°,W)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	5/9/20 19.37	20:44	21:51	12.54	(29°,SW)	(21°,SW)	(10°,SW)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	5/9/20 20.45	22:14	23:44	11.3	(36°,W)	(21°,W)	(6°,NW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	6/9/20 0.38	1:43	2:49	12.43	(35°,W)	(23°,W)	(12°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	7/9/20 0.28	2:19	4:10	9.5	(44°,SE)	(49°,S)	(41°,SW)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

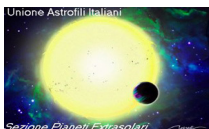
(C. Lopresti)

WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	8/9/20 19.55	21:46	23:36	9.5	4 (3°,E)	(22°,E)	(39°,SE)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	8/9/20 22.34	0:11	1:48	13.03	(62°,E)	(77°,SE)	(78°,SW)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	9/9/20 1.03	2:11	3:18	12.9	(36°,S)	(31°,SW)	(24°,SW)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	9/9/20 18.31	20:25	22:19	11.66	(88°,NW)	(69°,W)	(49°,NW)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	9/9/20 19.21	20:51	22:21	11.3	(49°,W)	(33°,W)	(17°,NW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	10/9/20 21.03	22:09	23:14	12.43	(62°,S)	(55°,SW)	(45°,SW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	12/9/20 17.58	19:32	21:05	11.29	(16°,NE)	(27°,NE)	(41°,NE)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	13/9/20 17.56	19:26	20:56	11.3	(61°,W)	(45°,W)	(29°,W)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	13/9/20 17.58	19:24	20:51	9.86	(15°,N)	(20°,NE)	(28°,NE)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	13/9/20 21.24	22:32	23:39	12.9	(26°,SE)	(33°,SE)	(36°,S)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	14/9/20 18.56	20:49	22:43	11.66	(81°,W)	(61°,W)	(42°,NW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	14/9/20 21.34	23:08	0:41	11.29	(47°,NE)	(63°,E)	(78°,E)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	15/9/20 17.30	18:36	19:41	12.43	(48°,SE)	(57°,SE)	(63°,S)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	16/9/20 1.39	3:30	5:21	9.5	(49°,S)	(41°,SW)	(25°,W)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	16/9/20 22.33	0:00	1:26	9.86	(41°,NE)	(52°,NE)	(63°,NE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	16/9/20 22.35	23:41	0:46	12.43	(48°,SW)	(37°,W)	(26°,W)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	17/9/20 1.10	2:44	4:17	11.29	(84°,NE)	(79°,W)	(63°,W)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	17/9/20 17.08	18:18	19:28	12.8	(52°,W)	(40°,NW)	(29°,NW)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	17/9/20 21.05	22:56	0:47	9.5	(21°,E)	(39°,SE)	(49°,S)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	18/9/20 17.06	18:43	20:19	13.03	(13°,NE)	(28°,NE)	(44°,E)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	18/9/20 17.21	18:38	19:56	12.1	(43°,SW)	(35°,SW)	(23°,SW)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	19/9/20 19.20	21:14	23:08	11.66	(73°,W)	(53°,W)	(35°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	20/9/20 0.16	1:30	2:45	11.72	(44°,W)	(31°,W)	(18°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	20/9/20 23.31	0:46	2:00	11.72	(51°,W)	(38°,W)	(25°,W)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	21/9/20 19.02	20:08	21:13	12.43	(62°,S)	(63°,S)	(57°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	21/9/20 22.46	0:01	1:16	11.72	(58°,W)	(45°,W)	(32°,W)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	21/9/20 23.16	0:53	2:29	13.03	(77°,SE)	(78°,SW)	(62°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	22/9/20 22.02	23:16	0:31	11.72	(65°,W)	(52°,W)	(39°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	23/9/20 21.17	22:32	23:46	11.72	(72°,SW)	(59°,W)	(46°,W)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	24/9/20 19.46	21:40	23:34	11.66	(65°,W)	(46°,NW)	(28°,NW)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

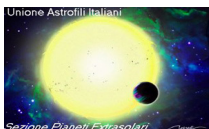
(C. Lopresti)

KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	24/9/20 20.32	21:47	23:02	11.72	(77°,SW)	(66°,W)	(53°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	25/9/20 19.48	21:02	22:17	11.72	(78°,S)	(73°,SW)	(60°,W)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	26/9/20 0.16	1:23	2:30	12.9	(35°,S)	(29°,SW)	(21°,SW)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	26/9/20 3.02	4:06	5:10	10.419	(23°,E)	(34°,SE)	(43°,SE)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	26/9/20 17.50	18:57	20:04	12.54	(32°,SW)	(24°,SW)	(14°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	26/9/20 19.03	20:18	21:32	11.72	(75°,SE)	(77°,SW)	(67°,SW)
CoRoT-10 b (Aql)	19 24 15.29	00 44 46.11	13.2406	178.8	0.0172	26/9/20 20.10	21:40	23:09	15.22	(41°,SW)	(29°,SW)	(13°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	26/9/20 22.16	0:07	1:58	9.5	(38°,SE)	(48°,S)	(46°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	27/9/20 18.18	19:33	20:48	11.72	(69°,SE)	(78°,S)	(74°,SW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	27/9/20 19.10	20:44	22:17	11.29	(33°,NE)	(47°,NE)	(63°,E)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	27/9/20 20.34	21:40	22:45	12.43	(59°,SW)	(50°,SW)	(39°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	28/9/20 17.34	18:48	20:03	11.72	(62°,E)	(74°,SE)	(78°,S)
WASP-38 b (Her)	16 15 50.38	+10 01 57.70	6.871815	279.8	0.0108	29/9/20 16.39	18:59	21:18	9.4	(50°,SW)	(29°,W)	8 (4°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	29/9/20 16.49	18:04	19:18	11.72	(55°,E)	(68°,SE)	(77°,S)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	29/9/20 16.56	18:23	19:49	9.86	(15°,N)	(20°,NE)	(28°,NE)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	29/9/20 20.10	22:04	23:58	11.66	(58°,W)	(39°,NW)	(22°,NW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	29/9/20 22.46	0:20	1:53	11.29	(69°,E)	(84°,NE)	(79°,W)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	30/9/20 18.07	19:24	20:42	12.1	(33°,SW)	(20°,W)	3 (7°,W)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	30/9/20 20.37	21:44	22:52	12.9	(28°,SE)	(34°,S)	(36°,S)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	1/10/20 17.48	19:24	21:01	13.03	(27°,NE)	(44°,E)	(61°,E)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	2/10/20 2.22	3:56	5:29	11.29	(73°,W)	(57°,W)	(42°,NW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	2/10/20 17.01	18:07	19:12	12.43	(54°,SE)	(61°,SE)	(63°,S)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	2/10/20 21.33	22:59	0:26	9.86	(41°,NE)	(52°,NE)	(63°,NE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	3/10/20 22.08	23:13	0:19	12.43	(41°,W)	(30°,W)	(19°,W)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	4/10/20 20.35	22:29	0:23	11.66	(50°,NW)	(32°,NW)	(17°,NW)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	4/10/20 23.58	1:35	3:11	13.03	(78°,SW)	(63°,W)	(46°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	5/10/20 23.28	1:19	3:10	9.5	(48°,S)	(47°,SW)	(33°,SW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	6/10/20 0.46	2:12	3:38	9.73	(18°,NE)	(28°,NE)	(40°,NE)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	6/10/20 2.08	3:34	5:01	9.86	(76°,N)	(75°,NW)	(65°,NW)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	7/10/20 18.54	20:45	22:36	9.5	(12°,E)	(31°,SE)	(45°,SE)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

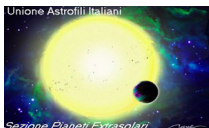
(C. Lopresti)

HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	8/10/20 18.33	19:39	20:44	12.43	(63°,S)	(60°,SW)	(52°,SW)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	9/10/20 20.59	22:53	0:47	11.66	(43°,NW)	(26°,NW)	(12°,NW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	10/10/20 16.46	18:20	19:53	11.29	(20°,NE)	(33°,NE)	(47°,NE)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	12/10/20 20.22	21:56	23:29	11.29	(53°,NE)	(69°,E)	(85°,NE)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	12/10/20 23.28	0:36	1:43	12.9	(34°,SW)	(27°,SW)	(18°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	13/10/20 17.06	18:24	19:42	12.1	(34°,SW)	(22°,W)	2 (8°,W)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	14/10/20 18.30	20:06	21:43	13.03	(43°,E)	(60°,E)	(77°,SE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	14/10/20 20.07	21:12	22:18	12.43	(54°,SW)	(43°,W)	(32°,W)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	14/10/20 21.24	23:18	1:12	11.66	(36°,NW)	(20°,NW)	(8°,NW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	14/10/20 23.58	1:32	3:05	11.29	(87°,NW)	(73°,W)	(57°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	15/10/20 0.38	2:29	4:20	9.5	(47°,SW)	(34°,SW)	(16°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	16/10/20 20.05	21:56	23:46	9.5	(30°,SE)	(45°,SE)	(49°,S)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	17/10/20 19.48	20:55	22:03	12.9	(30°,SE)	(35°,S)	(36°,S)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	18/10/20 0.40	2:16	3:53	13.03	(64°,W)	(46°,W)	(29°,W)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	18/10/20 20.32	21:59	23:25	9.86	(41°,NE)	(53°,NE)	(64°,NE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	19/10/20 16.33	17:38	18:43	12.43	(59°,SE)	(63°,S)	(61°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	20/10/20 21.39	22:45	23:50	12.43	(34°,W)	(23°,W)	(11°,W)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	22/10/20 1.07	2:34	4:00	9.86	(76°,N)	(74°,NW)	(65°,NW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	22/10/20 2.14	3:40	5:06	9.73	(37°,NE)	(50°,NE)	(63°,NE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	22/10/20 22.58	0:12	1:27	11.72	(34°,W)	(22°,NW)	(10°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	23/10/20 22.13	23:28	0:42	11.72	(41°,W)	(28°,W)	(17°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	24/10/20 21.29	22:43	23:58	11.72	(49°,W)	(35°,W)	(23°,NW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	25/10/20 17.58	19:32	21:05	11.29	(39°,NE)	(54°,NE)	(69°,E)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	25/10/20 18.06	19:12	20:17	12.43	(62°,S)	(55°,SW)	(45°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	25/10/20 20.44	21:59	23:13	11.72	(56°,W)	(43°,W)	(29°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	25/10/20 21.17	23:08	0:58	9.5	(44°,SE)	(49°,S)	(41°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	26/10/20 16.06	17:24	18:41	12.1	(35°,SW)	(24°,SW)	(10°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	26/10/20 19.59	21:14	22:29	11.72	(63°,W)	(50°,W)	(37°,W)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	27/10/20 1.01	2:05	3:09	10.419	(23°,E)	(34°,SE)	(43°,SE)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	27/10/20 16.42	18:33	20:23	9.5	2 (3°,E)	(22°,E)	(39°,SE)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

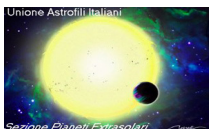
(C. Lopresti)

HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	27/10/20 19.11	20:48	22:25	13.03	(60°,E)	(76°,SE)	(79°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	27/10/20 19.15	20:29	21:44	11.72	(70°,SW)	(57°,W)	(44°,W)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	27/10/20 21.34	23:08	0:41	11.29	(76°,E)	(87°,NW)	(73°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	28/10/20 18.30	19:45	20:59	11.72	(76°,SW)	(64°,W)	(51°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	29/10/20 17.45	19:00	20:15	11.72	(78°,S)	(71°,SW)	(59°,W)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	29/10/20 22.39	23:47	0:54	12.9	(32°,SW)	(25°,SW)	(16°,SW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	30/10/20 1.10	2:44	4:17	11.29	(66°,W)	(51°,NW)	(36°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	30/10/20 17.01	18:15	19:30	11.72	(76°,SE)	(76°,SW)	(65°,W)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	31/10/20 1.22	2:58	4:35	13.03	(47°,W)	(30°,W)	(15°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	31/10/20 16.16	17:31	18:45	11.72	(71°,SE)	(78°,S)	(72°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	31/10/20 19.38	20:44	21:49	12.43	(48°,SW)	(37°,W)	(25°,W)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	3/11/20 19.00	20:08	21:15	12.9	(32°,SE)	(36°,S)	(36°,S)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	3/11/20 19.30	20:57	22:23	9.86	(42°,NE)	(53°,NE)	(64°,NE)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	3/11/20 22.27	0:18	2:09	9.5	(49°,S)	(41°,SW)	(25°,W)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	3/11/20 22.36	0:02	1:28	9.73	(17°,NE)	(26°,NE)	(38°,NE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	5/11/20 16.05	17:11	18:16	12.43	(62°,S)	(63°,S)	(57°,SW)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	5/11/20 17.54	19:45	21:35	9.5	(22°,E)	(39°,SE)	(49°,S)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	7/11/20 0.07	1:33	3:00	9.86	(76°,N)	(74°,NW)	(65°,NW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	7/11/20 3.42	5:08	6:34	9.73	(60°,NE)	(74°,NE)	(84°,N)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	7/11/20 15.34	17:08	18:41	11.29	(25°,NE)	(39°,NE)	(54°,NE)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	8/11/20 2.57	4:07	5:17	12.8	(19°,NE)	(29°,NE)	(39°,NE)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	9/11/20 19.10	20:44	22:17	11.29	(60°,E)	(76°,E)	(87°,NW)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	9/11/20 19.53	21:30	23:06	13.03	(76°,SE)	(79°,SW)	(64°,W)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	10/11/20 2.17	3:21	4:25	10.419	(44°,SE)	(50°,SE)	(52°,S)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	11/11/20 17.37	18:43	19:48	12.43	(59°,SW)	(50°,SW)	(39°,W)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	11/11/20 22.46	0:20	1:53	11.29	(82°,W)	(66°,W)	(51°,NW)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	12/11/20 23.38	1:29	3:20	9.5	(41°,SW)	(25°,W)	0 (6°,W)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	14/11/20 2.22	3:56	5:29	11.29	(45°,NW)	(30°,NW)	(18°,NW)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	14/11/20 19.04	20:55	22:46	9.5	(38°,SE)	(49°,S)	(46°,SW)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	15/11/20 21.52	22:59	0:06	12.9	(30°,SW)	(22°,SW)	(13°,SW)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

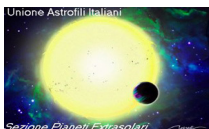
(C. Lopresti)

HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	17/11/20 19.11	20:16	21:22	12.43	(41°,W)	(30°,W)	(18°,W)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	19/11/20 18.30	19:56	21:23	9.86	(42°,NE)	(53°,NE)	(65°,NE)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	20/11/20 0.04	1:30	2:56	9.73	(35°,NE)	(47°,NE)	(61°,NE)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	20/11/20 18.11	19:19	20:26	12.9	(33°,SE)	(36°,S)	(35°,S)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	22/11/20 16.46	18:20	19:53	11.29	(45°,NE)	(60°,E)	(76°,E)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	22/11/20 20.34	22:10	23:47	13.03	(79°,SW)	(64°,W)	(47°,W)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	22/11/20 23.05	0:31	1:58	9.86	(76°,N)	(74°,NW)	(65°,NW)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	23/11/20 20.16	22:07	23:58	9.5	(48°,S)	(46°,SW)	(32°,SW)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	24/11/20 3.34	4:37	5:41	10.419	(52°,S)	(49°,SW)	(42°,SW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	24/11/20 20.22	21:56	23:29	11.29	(82°,NE)	(81°,W)	(66°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	25/11/20 15.43	17:34	19:24	9.5	(12°,E)	(31°,SE)	(45°,SE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	25/11/20 20.55	22:10	23:25	11.72	(32°,W)	(20°,NW)	(8°,NW)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	26/11/20 3.41	5:08	6:34	9.86	(49°,NW)	(38°,NW)	(29°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	26/11/20 20.11	21:25	22:40	11.72	(39°,W)	(26°,W)	(14°,NW)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	26/11/20 23.01	0:05	1:09	10.419	(24°,E)	(34°,SE)	(44°,SE)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	26/11/20 23.58	1:32	3:05	11.29	(59°,W)	(45°,NW)	(30°,NW)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	27/11/20 15.16	16:46	18:16	11.3	(37°,W)	(21°,W)	(7°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	27/11/20 19.26	20:41	21:55	11.72	(47°,W)	(33°,W)	(21°,NW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	28/11/20 17.10	18:15	19:21	12.43	(54°,SW)	(43°,W)	(32°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	28/11/20 18.41	19:56	21:11	11.72	(54°,W)	(41°,W)	(28°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	29/11/20 17.57	19:12	20:26	11.72	(61°,W)	(48°,W)	(35°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	30/11/20 17.12	18:27	19:42	11.72	(68°,SW)	(55°,W)	(42°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	1/12/20 16.28	17:42	18:57	11.72	(74°,SW)	(62°,W)	(49°,W)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	2/12/20 15.05	16:42	18:18	13.03	(41°,E)	(58°,E)	(75°,SE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	2/12/20 15.43	16:58	18:12	11.72	(78°,S)	(69°,SW)	(56°,W)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	2/12/20 20.27	21:53	23:19	9.73	(15°,NE)	(25°,NE)	(36°,NE)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	2/12/20 21.27	23:18	1:09	9.5	(46°,SW)	(33°,SW)	(15°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	4/12/20 16.53	18:44	20:35	9.5	(31°,SE)	(45°,SE)	(49°,S)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	4/12/20 18.42	19:48	20:53	12.43	(35°,W)	(23°,W)	(11°,W)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	5/12/20 17.28	18:54	20:21	9.86	(42°,NE)	(53°,NE)	(65°,NE)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

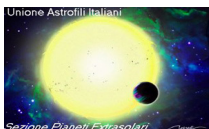
(C. Lopresti)

HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	5/12/20 21.15	22:52	0:28	13.03	(65°,W)	(48°,W)	(31°,W)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	6/12/20 1.32	2:58	4:24	9.73	(58°,NE)	(71°,NE)	(83°,NE)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	7/12/20 0.58	2:08	3:18	12.8	(18°,NE)	(28°,NE)	(39°,NE)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	7/12/20 17.24	18:31	19:39	12.9	(35°,S)	(36°,S)	(34°,S)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	7/12/20 17.58	19:32	21:05	11.29	(66°,E)	(82°,NE)	(81°,W)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	8/12/20 22.04	23:31	0:57	9.86	(76°,N)	(74°,NW)	(64°,NW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	9/12/20 21.34	23:08	0:41	11.29	(75°,W)	(59°,W)	(45°,NW)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	11/12/20 0.18	1:22	2:25	10.419	(44°,SE)	(50°,S)	(52°,S)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	12/12/20 1.10	2:44	4:17	11.29	(39°,NW)	(25°,NW)	(14°,NW)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	12/12/20 2.41	4:07	5:34	9.86	(49°,NW)	(38°,NW)	(28°,NW)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	13/12/20 18.04	19:55	21:46	9.5	(45°,SE)	(49°,S)	(40°,SW)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	15/12/20 15.47	17:24	19:00	13.03	(57°,E)	(74°,SE)	(80°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	15/12/20 16.41	17:47	18:52	12.43	(48°,SW)	(37°,W)	(25°,W)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	18/12/20 21.55	23:21	0:47	9.73	(33°,NE)	(46°,NE)	(58°,NE)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	18/12/20 21.57	23:34	1:10	13.03	(48°,W)	(31°,W)	(17°,NW)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	19/12/20 2.46	4:40	6:34	11.66	(8°,NE)	(20°,NE)	(37°,NE)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	20/12/20 15.34	17:08	18:41	11.29	(51°,NE)	(66°,E)	(82°,NE)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	21/12/20 16.27	17:54	19:20	9.86	(42°,NE)	(54°,NE)	(65°,NE)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	22/12/20 3.00	4:26	5:52	9.73	(81°,NE)	(81°,NW)	(68°,NW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	22/12/20 19.10	20:44	22:17	11.29	(88°,N)	(75°,W)	(59°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	22/12/20 19.16	21:07	22:58	9.5	(49°,S)	(40°,SW)	(24°,W)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	23/12/20 2.33	3:43	4:53	12.8	(41°,NE)	(53°,E)	(65°,E)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	24/12/20 3.11	5:05	6:59	11.66	(12°,NE)	(26°,NE)	(44°,NE)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	24/12/20 16.36	17:44	18:51	12.9	(35°,S)	(36°,S)	(33°,SW)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	24/12/20 21.04	22:30	23:57	9.86	(76°,N)	(74°,NW)	(64°,NW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	24/12/20 22.46	0:20	1:53	11.29	(53°,NW)	(39°,NW)	(25°,NW)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	25/12/20 1.34	2:38	3:42	10.419	(52°,S)	(49°,SW)	(42°,SW)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	27/12/20 21.02	22:06	23:10	10.419	(25°,E)	(35°,SE)	(44°,SE)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	28/12/20 1.39	3:05	4:32	9.86	(49°,NW)	(38°,NW)	(28°,NW)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	28/12/20 16.29	18:05	19:42	13.03	(74°,SE)	(80°,SW)	(66°,W)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

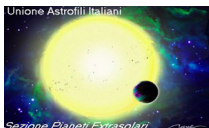
(C. Lopresti)

WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	29/12/20 3.35	5:29	7:23	11.66	(17°,NE)	(33°,NE)	(51°,E)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	29/12/20 4.02	5:32	7:02	11.3	(31°,E)	(48°,E)	(63°,SE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	30/12/20 18.07	19:22	20:36	11.72	(37°,W)	(25°,W)	(13°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	31/12/20 17.22	18:37	19:52	11.72	(45°,W)	(31°,W)	(19°,NW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	31/12/20 18.16	19:42	21:08	9.73	(14°,NE)	(23°,NE)	(34°,NE)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	31/12/20 20.26	22:17	0:08	9.5	(41°,SW)	(24°,W)	9 (6°,W)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	1/1/21 16.12	17:18	18:23	12.43	(41°,W)	(30°,W)	(18°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	1/1/21 16.38	17:52	19:07	11.72	(52°,W)	(39°,W)	(26°,W)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	2/1/21 2.37	4:07	5:37	11.3	(20°,E)	(35°,E)	(51°,E)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	2/1/21 15.53	17:44	19:34	9.5	(38°,SE)	(49°,S)	(46°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	2/1/21 15.53	17:08	18:22	11.72	(59°,W)	(46°,W)	(33°,W)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	3/1/21 3.51	5:09	6:27	12.1	1 (8°,E)	(22°,E)	(34°,SE)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	3/1/21 4.00	5:54	7:48	11.66	(23°,NE)	(40°,NE)	(58°,E)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	3/1/21 23.22	0:48	2:15	9.73	(56°,NE)	(69°,NE)	(82°,NE)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	4/1/21 16.46	18:20	19:53	11.29	(73°,E)	(88°,N)	(75°,W)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	4/1/21 22.59	0:10	1:20	12.8	(18°,NE)	(27°,NE)	(38°,NE)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	6/1/21 1.14	2:44	4:13	11.3	(9°,NE)	(23°,E)	(39°,E)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	6/1/21 20.22	21:56	23:29	11.29	(68°,W)	(53°,NW)	(38°,NW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	7/1/21 4.28	5:54	7:20	9.73	(71°,NW)	(57°,NW)	(44°,NW)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	8/1/21 2.50	3:54	4:58	10.419	(41°,SW)	(32°,SW)	(21°,W)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	8/1/21 4.06	5:16	6:26	12.8	(68°,E)	(81°,E)	(87°,W)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	8/1/21 23.58	1:32	3:05	11.29	(32°,NW)	(20°,NW)	(10°,NW)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	9/1/21 20.02	21:28	22:55	9.86	(76°,N)	(73°,NW)	(63°,NW)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	10/1/21 17.10	18:47	20:24	13.03	(80°,SW)	(66°,W)	(49°,W)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	10/1/21 22.18	23:22	0:26	10.419	(45°,SE)	(51°,S)	(52°,S)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	11/1/21 2.15	3:05	3:56	12.214	(19°,E)	(28°,E)	(36°,SE)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	11/1/21 17.05	18:56	20:46	9.5	(48°,S)	(46°,SW)	(32°,SW)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	13/1/21 0.38	2:05	3:31	9.86	(49°,NW)	(38°,NW)	(28°,NW)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	14/1/21 3.11	4:01	4:52	12.214	(31°,SE)	(39°,SE)	(46°,SE)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	14/1/21 4.50	5:57	7:04	12.54	(14°,SE)	(24°,SE)	(31°,SE)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

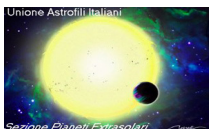
(C. Lopresti)

WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	15/1/21 4.37	5:55	7:13	12.1	(24°,SE)	(36°,SE)	(44°,SE)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	16/1/21 2.49	4:07	5:25	12.1	0 (6°,E)	(20°,E)	(32°,SE)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	16/1/21 19.45	21:11	22:37	9.73	(31°,NE)	(43°,NE)	(57°,NE)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	17/1/21 4.08	4:59	5:50	12.214	(42°,SE)	(48°,SE)	(52°,S)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	19/1/21 17.58	19:32	21:05	11.29	(84°,NW)	(68°,W)	(53°,NW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	20/1/21 0.50	2:16	3:42	9.73	(79°,NE)	(83°,NW)	(70°,NW)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	20/1/21 5.04	5:55	6:46	12.214	(49°,SE)	(52°,S)	(52°,S)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	20/1/21 18.15	20:06	21:57	9.5	(46°,SW)	(33°,SW)	(14°,W)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	21/1/21 0.33	1:43	2:53	12.8	(41°,NE)	(52°,E)	(65°,E)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	21/1/21 21.34	23:08	0:41	11.29	(47°,NW)	(32°,NW)	(20°,NW)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	23/1/21 17.52	19:29	21:05	13.03	(67°,W)	(50°,W)	(33°,W)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	24/1/21 23.33	0:37	1:41	10.419	(52°,S)	(49°,SW)	(42°,SW)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	25/1/21 19.01	20:28	21:54	9.86	(76°,N)	(73°,NW)	(63°,NW)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	27/1/21 19.01	20:05	21:09	10.419	(25°,E)	(35°,SE)	(44°,SE)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	28/1/21 3.35	4:53	6:11	12.1	(23°,SE)	(35°,SE)	(43°,SE)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	28/1/21 23.36	1:03	2:29	9.86	(48°,NW)	(37°,NW)	(28°,NW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	29/1/21 16.06	17:32	18:58	9.73	(13°,NE)	(21°,NE)	(32°,NE)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	1/2/21 21.13	22:39	0:05	9.73	(53°,NE)	(67°,NE)	(80°,NE)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	2/2/21 21.00	22:10	23:20	12.8	(17°,NE)	(27°,NE)	(38°,NE)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	3/2/21 19.10	20:44	22:17	11.29	(62°,W)	(47°,NW)	(32°,NW)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	4/2/21 3.03	4:10	5:17	12.54	(10°,SE)	(20°,SE)	(29°,SE)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	5/2/21 2.18	3:44	5:10	9.73	(74°,NW)	(60°,NW)	(46°,NW)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	5/2/21 18.33	20:09	21:46	13.03	(50°,W)	(33°,W)	(18°,NW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	6/2/21 2.07	3:17	4:27	12.8	(67°,E)	(80°,E)	(88°,W)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	8/2/21 0.49	1:53	2:57	10.419	(41°,SW)	(31°,SW)	(20°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	9/2/21 16.04	17:55	19:46	9.5	(49°,S)	(40°,SW)	(24°,W)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	10/2/21 2.35	3:53	5:11	12.1	(21°,E)	(33°,SE)	(42°,SE)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	10/2/21 18.01	19:27	20:54	9.86	(76°,N)	(73°,NW)	(63°,NW)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	10/2/21 20.17	21:21	22:25	10.419	(45°,SE)	(51°,S)	(52°,S)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	12/2/21 4.14	5:21	6:28	12.54	(25°,SE)	(32°,SE)	(36°,S)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

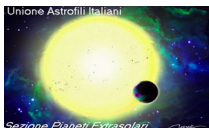
(C. Lopresti)

XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	13/2/21 22.36	0:02	1:29	9.86	(48°,NW)	(37°,NW)	(28°,NW)
WASP-38 b (Her)	16 15 50.38	+10 01 57.70	6.871815	279.8	0.0108	14/2/21 3.06	5:26	7:46	9.4	(40°,SE)	(56°,S)	(50°,SW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	14/2/21 17.35	19:01	20:28	9.73	(29°,NE)	(41°,NE)	(54°,NE)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	16/2/21 16.46	18:20	19:53	11.29	(78°,W)	(62°,W)	(47°,NW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	17/2/21 22.41	0:07	1:33	9.73	(77°,NE)	(84°,N)	(73°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	18/2/21 4.10	5:25	6:40	11.72	(19°,NE)	(32°,E)	(45°,E)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	18/2/21 17.15	19:06	20:57	9.5	(41°,SW)	(24°,W)	7 (5°,W)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	18/2/21 20.22	21:56	23:29	11.29	(41°,NW)	(27°,NW)	(15°,NW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	18/2/21 22.35	23:45	0:55	12.8	(41°,NE)	(52°,E)	(64°,E)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	19/2/21 3.26	4:40	5:55	11.72	(13°,NE)	(25°,E)	(38°,E)
WASP-38 b (Her)	16 15 50.38	+10 01 57.70	6.871815	279.8	0.0108	21/2/21 0.02	2:22	4:42	9.4	(12°,E)	(37°,SE)	(55°,SE)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	21/2/21 3.46	5:12	6:38	9.73	(50°,NW)	(37°,NW)	(25°,NW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	22/2/21 3.21	4:39	5:57	12.1	(35°,SE)	(44°,SE)	(47°,S)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	22/2/21 3.42	4:52	6:02	12.8	(85°,W)	(73°,W)	(60°,W)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	23/2/21 1.35	2:52	4:10	12.1	(19°,E)	(32°,SE)	(41°,SE)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	24/2/21 21.34	22:37	23:41	10.419	(52°,S)	(48°,SW)	(41°,SW)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	26/2/21 16.59	18:25	19:52	9.86	(76°,N)	(73°,NW)	(63°,NW)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	27/2/21 17.01	18:05	19:09	10.419	(25°,E)	(36°,SE)	(45°,SE)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	1/3/21 21.35	23:02	0:28	9.86	(47°,NW)	(37°,NW)	(27°,NW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	2/3/21 19.03	20:29	21:55	9.73	(51°,NE)	(64°,NE)	(78°,NE)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	3/3/21 17.58	19:32	21:05	11.29	(56°,NW)	(41°,NW)	(27°,NW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	3/3/21 19.02	20:12	21:22	12.8	(17°,NE)	(26°,NE)	(37°,NE)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	5/3/21 2.27	3:34	4:41	12.54	(22°,SE)	(30°,SE)	(35°,S)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	6/3/21 0.08	1:35	3:01	9.73	(76°,NW)	(62°,NW)	(49°,NW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	7/3/21 0.09	1:19	2:29	12.8	(67°,E)	(79°,E)	(89°,W)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	7/3/21 2.21	3:38	4:56	12.1	(34°,SE)	(43°,SE)	(47°,S)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	8/3/21 0.33	1:50	3:08	12.1	(18°,E)	(30°,SE)	(40°,SE)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	10/3/21 2.46	4:16	5:46	11.3	(67°,SE)	(75°,S)	(66°,SW)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	10/3/21 22.50	23:54	0:58	10.419	(40°,SW)	(30°,SW)	(20°,W)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	13/3/21 3.36	4:43	5:50	12.54	(33°,SE)	(37°,S)	(36°,S)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

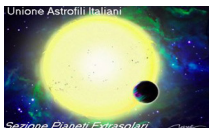
(C. Lopresti)

HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	13/3/21 18.18	19:22	20:25	10.419	(45°,SE)	(51°,S)	(52°,S)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	14/3/21 1.23	2:52	4:22	11.3	(56°,E)	(70°,SE)	(74°,S)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	15/3/21 22.11	23:02	23:53	12.214	(22°,E)	(30°,SE)	(38°,SE)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	17/3/21 20.33	22:00	23:26	9.86	(47°,NW)	(36°,NW)	(27°,NW)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	17/3/21 23.58	1:27	2:57	11.3	(44°,E)	(59°,E)	(72°,SE)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	18/3/21 19.10	20:44	22:17	11.29	(35°,NW)	(22°,NW)	(11°,NW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	18/3/21 20.31	21:57	23:23	9.73	(75°,NE)	(84°,N)	(75°,NW)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	18/3/21 23.07	23:58	0:49	12.214	(33°,SE)	(41°,SE)	(47°,SE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	19/3/21 2.06	3:11	4:16	12.43	(13°,E)	(25°,E)	(36°,E)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	19/3/21 3.07	4:24	5:42	12.1	(44°,SE)	(47°,S)	(42°,SW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	19/3/21 20.35	21:46	22:56	12.8	(40°,NE)	(51°,E)	(64°,E)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	20/3/21 1.19	2:36	3:54	12.1	(32°,SE)	(42°,SE)	(46°,S)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	20/3/21 23.32	0:50	2:08	12.1	(16°,E)	(29°,SE)	(39°,SE)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	21/3/21 22.34	0:04	1:34	11.3	(32°,E)	(47°,E)	(63°,SE)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	22/3/21 0.05	0:56	1:46	12.214	(43°,SE)	(49°,SE)	(52°,S)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	22/3/21 1.36	3:02	4:28	9.73	(52°,NW)	(39°,NW)	(27°,NW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	23/3/21 1.42	2:52	4:02	12.8	(86°,W)	(73°,W)	(61°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	23/3/21 2.53	4:07	5:22	11.72	(28°,E)	(41°,E)	(54°,E)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	24/3/21 2.08	3:23	4:37	11.72	(21°,NE)	(34°,E)	(47°,E)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	25/3/21 1.03	1:53	2:44	12.214	(50°,SE)	(52°,S)	(51°,S)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	25/3/21 1.23	2:38	3:53	11.72	(14°,NE)	(27°,E)	(40°,E)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	25/3/21 21.09	22:39	0:09	11.3	(20°,E)	(36°,E)	(51°,E)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	26/3/21 0.39	1:53	3:08	11.72	(8°,NE)	(20°,NE)	(32°,E)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	26/3/21 0.41	1:48	2:54	12.54	(18°,SE)	(27°,SE)	(34°,SE)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	27/3/21 19.34	20:38	21:42	10.419	(52°,S)	(48°,SW)	(41°,SW)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	28/3/21 1.59	2:49	3:40	12.214	(52°,S)	(50°,SW)	(46°,SW)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	29/3/21 19.46	21:15	22:45	11.3	(9°,NE)	(23°,E)	(39°,E)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	31/3/21 2.56	3:47	4:38	12.214	(49°,SW)	(43°,SW)	(36°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	1/4/21 2.05	3:23	4:40	12.1	(43°,SE)	(47°,S)	(43°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	2/4/21 0.18	1:36	2:54	12.1	(31°,SE)	(41°,SE)	(46°,S)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

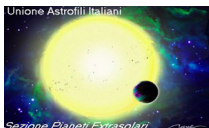
(C. Lopresti)

XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	2/4/21 19.33	21:00	22:26	9.86	(47°,NW)	(36°,NW)	(27°,NW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	2/4/21 22.30	23:48	1:06	12.1	(15°,E)	(28°,SE)	(38°,SE)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	3/4/21 1.50	2:57	4:04	12.54	(31°,SE)	(36°,S)	(37°,S)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	3/4/21 21.59	23:25	0:51	9.73	(78°,NW)	(64°,NW)	(51°,NW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	4/4/21 22.10	23:21	0:31	12.8	(66°,E)	(79°,E)	(90°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	5/4/21 1.37	2:42	3:48	12.43	(20°,E)	(32°,E)	(43°,E)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	10/4/21 20.50	21:54	22:58	10.419	(40°,SW)	(30°,SW)	(19°,W)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	14/4/21 1.04	2:22	3:40	12.1	(42°,SE)	(47°,S)	(44°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	14/4/21 23.16	0:34	1:52	12.1	(30°,SE)	(40°,SE)	(46°,S)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	15/4/21 21.30	22:48	0:05	12.1	(13°,E)	(26°,SE)	(37°,SE)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	15/4/21 22.54	0:01	1:08	12.54	(15°,SE)	(24°,SE)	(32°,SE)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	16/4/21 18.21	19:48	21:14	9.73	(72°,NE)	(84°,N)	(77°,NW)
WASP-38 b (Her)	16 15 50.38	+10 01 57.70	6.871815	279.8	0.0108	16/4/21 23.25	1:45	4:05	9.4	(44°,SE)	(56°,S)	(47°,SW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	17/4/21 18.37	19:48	20:58	12.8	(39°,NE)	(51°,E)	(63°,E)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	18/4/21 18.33	19:59	21:26	9.86	(47°,NW)	(36°,NW)	(26°,NW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	19/4/21 23.27	0:53	2:19	9.73	(54°,NW)	(41°,NW)	(29°,NW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	20/4/21 23.44	0:54	2:04	12.8	(86°,W)	(74°,W)	(62°,W)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	22/4/21 1.09	2:15	3:20	12.43	(27°,E)	(38°,E)	(49°,SE)
WASP-38 b (Her)	16 15 50.38	+10 01 57.70	6.871815	279.8	0.0108	23/4/21 20.20	22:40	1:00	9.4	(17°,E)	(41°,SE)	(56°,S)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	24/4/21 0.03	1:10	2:17	12.54	(28°,SE)	(35°,S)	(37°,S)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	25/4/21 1.35	2:49	4:04	11.72	(37°,E)	(50°,E)	(63°,E)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	26/4/21 0.50	2:05	3:19	11.72	(30°,E)	(43°,E)	(56°,E)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	26/4/21 1.50	3:08	4:26	12.1	(47°,S)	(43°,SW)	(34°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	27/4/21 0.02	1:20	2:38	12.1	(42°,SE)	(46°,S)	(45°,S)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	27/4/21 0.05	1:20	2:35	11.72	(23°,NE)	(36°,E)	(49°,E)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	27/4/21 22.16	23:34	0:51	12.1	(29°,SE)	(39°,SE)	(45°,S)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	27/4/21 23.21	0:36	1:50	11.72	(17°,NE)	(28°,E)	(42°,E)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	28/4/21 20.28	21:46	23:03	12.1	(11°,E)	(24°,SE)	(36°,SE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	28/4/21 22.36	23:51	1:06	11.72	(11°,NE)	(22°,NE)	(34°,E)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	2/5/21 1.12	2:19	3:26	12.54	(36°,S)	(36°,S)	(32°,SW)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

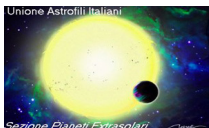
(C. Lopresti)

HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	2/5/21 19.49	21:15	22:41	9.73	(80°,NW)	(67°,NW)	(53°,NW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	2/5/21 23.09	0:14	1:19	12.43	(13°,E)	(24°,E)	(36°,E)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	3/5/21 20.11	21:21	22:31	12.8	(66°,E)	(78°,E)	(90°,SW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	6/5/21 0.55	2:21	3:47	9.73	(32°,NW)	(21°,NW)	(13°,NW)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	6/5/21 21.07	22:14	23:21	12.54	(11°,SE)	(21°,SE)	(30°,SE)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	7/5/21 1.18	2:28	3:38	12.8	(59°,W)	(47°,W)	(36°,NW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	9/5/21 0.41	1:46	2:51	12.43	(34°,E)	(45°,SE)	(55°,SE)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	9/5/21 0.48	2:06	3:24	12.1	(47°,S)	(44°,SW)	(35°,SW)
CoRoT-10 b (Aql)	19 24 15.29	00 44 46.11	13.2406	178.8	0.0172	9/5/21 22.20	23:49	1:19	15.22	(10°,E)	(25°,SE)	(38°,SE)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	9/5/21 23.02	0:20	1:37	12.1	(41°,SE)	(46°,S)	(45°,S)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	10/5/21 21.15	22:33	23:51	12.1	(27°,SE)	(38°,SE)	(45°,S)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	11/5/21 18.49	19:53	20:57	10.419	(40°,SW)	(30°,W)	(19°,W)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	11/5/21 19.27	20:45	22:03	12.1	7 (9°,E)	(23°,SE)	(35°,SE)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	14/5/21 22.17	23:24	0:30	12.54	(26°,SE)	(33°,SE)	(37°,S)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	18/5/21 21.17	22:43	0:09	9.73	(56°,NW)	(43°,NW)	(31°,NW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	19/5/21 21.45	22:55	0:05	12.8	(87°,W)	(75°,W)	(63°,W)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	19/5/21 22.40	23:45	0:50	12.43	(20°,E)	(32°,E)	(43°,E)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	21/5/21 19.05	19:56	20:47	12.214	(35°,SE)	(42°,SE)	(48°,SE)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	21/5/21 23.48	1:06	2:24	12.1	(47°,S)	(44°,SW)	(36°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	22/5/21 22.01	23:19	0:37	12.1	(40°,SE)	(46°,S)	(46°,S)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	22/5/21 23.26	0:33	1:40	12.54	(35°,S)	(37°,S)	(34°,S)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	23/5/21 20.13	21:31	22:49	12.1	(25°,SE)	(37°,SE)	(45°,S)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	24/5/21 0.06	1:36	3:06	11.3	(72°,SW)	(59°,W)	(43°,W)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	24/5/21 20.02	20:52	21:43	12.214	(44°,SE)	(50°,SE)	(52°,S)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	26/5/21 0.12	1:17	2:23	12.43	(40°,E)	(51°,SE)	(60°,SE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	27/5/21 1.02	2:16	3:31	11.72	(53°,E)	(66°,E)	(77°,SE)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	27/5/21 20.59	21:50	22:41	12.214	(51°,S)	(52°,S)	(51°,S)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	27/5/21 22.41	0:11	1:41	11.3	(74°,S)	(70°,SW)	(55°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	28/5/21 0.17	1:32	2:46	11.72	(46°,E)	(59°,E)	(72°,SE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	28/5/21 23.32	0:47	2:02	11.72	(39°,E)	(52°,E)	(65°,E)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

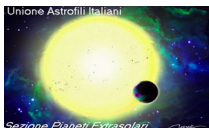
(C. Lopresti)

KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	29/5/21 22.48	0:02	1:17	11.72	(32°,E)	(45°,E)	(58°,E)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	30/5/21 21.57	22:48	23:38	12.214	(52°,S)	(49°,SW)	(44°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	30/5/21 22.03	23:18	0:32	11.72	(25°,E)	(38°,E)	(51°,E)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	31/5/21 0.36	1:43	2:50	12.54	(36°,S)	(32°,SW)	(24°,SW)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	31/5/21 21.18	22:48	0:17	11.3	(67°,SE)	(75°,S)	(67°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	31/5/21 21.18	22:33	23:48	11.72	(19°,NE)	(31°,E)	(44°,E)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	1/6/21 20.34	21:48	23:03	11.72	(12°,NE)	(24°,E)	(37°,E)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	2/6/21 22.53	23:44	0:34	12.214	(48°,SW)	(42°,SW)	(35°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	3/6/21 0.34	1:52	3:10	12.1	(43°,SW)	(34°,SW)	(22°,SW)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	3/6/21 0.47	2:24	4:00	13.03	(17°,NE)	(33°,E)	(50°,E)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	3/6/21 22.45	0:11	1:37	9.73	(34°,NW)	(23°,NW)	(14°,NW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	3/6/21 22.47	0:05	1:23	12.1	(46°,S)	(45°,S)	(38°,SW)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	4/6/21 19.53	21:23	22:52	11.3	(56°,E)	(70°,SE)	(74°,S)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	4/6/21 20.30	21:37	22:44	12.54	(23°,SE)	(31°,SE)	(36°,S)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	4/6/21 20.59	22:17	23:35	12.1	(39°,SE)	(45°,S)	(46°,S)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	4/6/21 23.20	0:30	1:40	12.8	(59°,W)	(48°,W)	(36°,NW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	5/6/21 19.13	20:31	21:48	12.1	(24°,SE)	(35°,SE)	(44°,SE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	5/6/21 22.11	23:16	0:22	12.43	(27°,E)	(39°,E)	(49°,SE)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	5/6/21 23.51	0:41	1:32	12.214	(39°,SW)	(32°,SW)	(23°,W)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	9/6/21 0.47	1:37	2:28	12.214	(29°,W)	(20°,W)	(11°,W)
WASP-38 b (Her)	16 15 50.38	+10 01 57.70	6.871815	279.8	0.0108	10/6/21 22.49	1:09	3:29	9.4	(56°,S)	(41°,SW)	(17°,W)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	11/6/21 23.45	0:50	1:55	12.43	(47°,SE)	(57°,SE)	(62°,S)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	12/6/21 0.41	2:08	3:34	9.86	(16°,N)	(22°,NE)	(31°,NE)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	12/6/21 21.39	22:46	23:53	12.54	(34°,SE)	(37°,S)	(36°,S)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	15/6/21 23.34	0:51	2:09	12.1	(44°,SW)	(36°,SW)	(24°,SW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	16/6/21 19.07	20:34	22:00	9.73	(59°,NW)	(45°,NW)	(33°,NW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	16/6/21 20.10	21:15	22:21	12.43	(13°,E)	(25°,E)	(37°,E)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	16/6/21 21.46	23:03	0:21	12.1	(46°,S)	(45°,S)	(39°,SW)
WASP-38 b (Her)	16 15 50.38	+10 01 57.70	6.871815	279.8	0.0108	17/6/21 19.44	22:04	0:24	9.4	(47°,SE)	(56°,S)	(44°,SW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	17/6/21 19.46	20:57	22:07	12.8	(88°,W)	(75°,W)	(63°,W)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

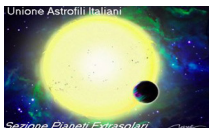
(C. Lopresti)

WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	17/6/21 19.59	21:17	22:35	12.1	(38°,SE)	(45°,S)	(46°,S)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	18/6/21 1.17	2:22	3:27	12.43	(62°,SE)	(63°,S)	(58°,SW)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	20/6/21 22.50	23:57	1:04	12.54	(37°,S)	(33°,SW)	(27°,SW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	21/6/21 0.53	2:03	3:13	12.8	(34°,NW)	(23°,NW)	(14°,NW)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	22/6/21 1.16	2:24	3:31	12.9	(10°,SE)	(21°,SE)	(29°,SE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	22/6/21 21.44	22:49	23:54	12.43	(34°,E)	(46°,SE)	(55°,SE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	27/6/21 1.13	2:28	3:42	11.72	(75°,SE)	(77°,SW)	(67°,SW)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	27/6/21 23.39	1:06	2:32	9.86	(17°,N)	(23°,NE)	(31°,NE)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	28/6/21 0.20	1:37	2:55	12.1	(34°,SW)	(21°,W)	5 (8°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	28/6/21 0.29	1:43	2:58	11.72	(69°,SE)	(78°,S)	(73°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	28/6/21 22.32	23:49	1:07	12.1	(44°,S)	(36°,SW)	(26°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	28/6/21 23.16	0:21	1:26	12.43	(53°,SE)	(61°,SE)	(63°,S)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	28/6/21 23.44	0:59	2:13	11.72	(63°,E)	(74°,SE)	(78°,S)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	28/6/21 23.59	1:06	2:13	12.54	(30°,SW)	(22°,SW)	(12°,SW)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	29/6/21 0.44	2:35	4:26	9.5	4 (3°,E)	(23°,E)	(40°,SE)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	29/6/21 20.45	22:03	23:21	12.1	(46°,S)	(46°,S)	(40°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	29/6/21 22.59	0:14	1:29	11.72	(56°,E)	(68°,SE)	(78°,S)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	30/6/21 0.00	1:33	3:06	11.29	(23°,NE)	(36°,NE)	(51°,NE)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	30/6/21 18.57	20:15	21:33	12.1	(36°,SE)	(44°,SE)	(47°,S)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	30/6/21 22.15	23:29	0:44	11.72	(49°,E)	(62°,E)	(73°,SE)
CoRoT-10 b (Aql)	19 24 15.29	00 44 46.11	13.2406	178.8	0.0172	1/7/21 21.27	22:56	0:26	15.22	(35°,SE)	(45°,SE)	(47°,S)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	1/7/21 21.30	22:45	23:59	11.72	(41°,E)	(55°,E)	(68°,SE)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	2/7/21 18.51	20:45	22:39	11.66	(48°,NE)	(68°,E)	(88°,NE)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	2/7/21 20.35	22:01	23:28	9.73	(36°,NW)	(25°,NW)	(15°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	2/7/21 20.45	22:00	23:15	11.72	(34°,E)	(47°,E)	(61°,E)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	3/7/21 19.43	20:48	21:53	12.43	(20°,E)	(32°,E)	(43°,E)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	3/7/21 19.53	21:00	22:06	12.54	(32°,SE)	(36°,S)	(36°,S)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	3/7/21 19.59	21:14	22:29	11.72	(27°,E)	(40°,E)	(53°,E)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	3/7/21 21.20	22:30	23:40	12.8	(60°,W)	(48°,W)	(36°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	4/7/21 19.15	20:29	21:44	11.72	(20°,NE)	(33°,E)	(46°,E)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

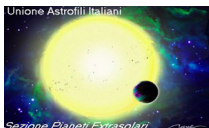
(C. Lopresti)

HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	5/7/21 0.49	1:55	3:00	12.43	(63°,S)	(61°,SW)	(53°,SW)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	7/7/21 19.16	21:10	23:03	11.66	(56°,E)	(75°,E)	(85°,W)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	9/7/21 0.29	1:36	2:43	12.9	(14°,SE)	(24°,SE)	(31°,SE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	9/7/21 21.15	22:20	23:26	12.43	(41°,E)	(52°,SE)	(60°,SE)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	10/7/21 23.18	0:36	1:53	12.1	(34°,SW)	(23°,SW)	(10°,W)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	11/7/21 21.03	22:10	23:17	12.54	(37°,S)	(35°,S)	(29°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	11/7/21 21.31	22:49	0:07	12.1	(45°,S)	(38°,SW)	(27°,SW)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	12/7/21 19.40	21:34	23:28	11.66	(63°,E)	(83°,E)	(77°,W)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	12/7/21 19.43	21:01	22:19	12.1	(45°,S)	(46°,S)	(41°,SW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	12/7/21 21.36	23:09	0:42	11.29	(13°,NE)	(24°,NE)	(36°,NE)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	13/7/21 22.39	0:05	1:32	9.86	(17°,N)	(23°,NE)	(31°,NE)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	15/7/21 1.12	2:45	4:18	11.29	(42°,NE)	(57°,E)	(73°,E)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	15/7/21 22.48	23:54	0:59	12.43	(58°,SE)	(63°,S)	(62°,SW)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	17/7/21 20.05	21:59	23:52	11.66	(71°,E)	(89°,NW)	(70°,W)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	19/7/21 22.12	23:19	0:26	12.54	(32°,SW)	(25°,SW)	(16°,SW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	19/7/21 22.55	0:05	1:15	12.8	(34°,NW)	(24°,NW)	(15°,NW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	20/7/21 19.14	20:19	21:25	12.43	(27°,E)	(39°,E)	(50°,SE)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	21/7/21 21.22	22:59	0:36	13.03	(16°,NE)	(32°,E)	(48°,E)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	22/7/21 0.21	1:26	2:31	12.43	(62°,S)	(56°,SW)	(47°,SW)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	22/7/21 20.29	22:23	0:17	11.66	(79°,E)	(82°,W)	(62°,W)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	23/7/21 22.17	23:35	0:53	12.1	(36°,SW)	(24°,SW)	(11°,W)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	24/7/21 20.29	21:47	23:05	12.1	(46°,S)	(39°,SW)	(28°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	25/7/21 18.43	20:00	21:18	12.1	(45°,S)	(46°,S)	(42°,SW)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	25/7/21 23.40	0:47	1:54	12.9	(17°,SE)	(26°,SE)	(33°,SE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	26/7/21 20.47	21:53	22:58	12.43	(47°,SE)	(57°,SE)	(63°,S)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	27/7/21 20.55	22:49	0:43	11.66	(86°,E)	(74°,W)	(55°,W)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	27/7/21 22.48	0:21	1:54	11.29	(29°,NE)	(42°,NE)	(57°,E)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	27/7/21 23.44	1:35	3:25	9.5	(13°,E)	(31°,SE)	(46°,SE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	28/7/21 1.23	2:38	3:53	11.72	(70°,SW)	(57°,W)	(43°,W)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	28/7/21 1.53	2:58	4:03	12.43	(49°,SW)	(38°,W)	(26°,W)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

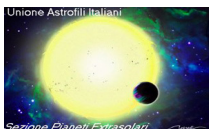
(C. Lopresti)

KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	29/7/21 0.39	1:53	3:08	11.72	(75°,SW)	(64°,W)	(51°,W)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	29/7/21 21.38	23:05	0:31	9.86	(17°,N)	(23°,NE)	(32°,NE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	29/7/21 23.54	1:09	2:23	11.72	(78°,S)	(71°,SW)	(58°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	30/7/21 23.09	0:24	1:39	11.72	(77°,SE)	(76°,SW)	(65°,W)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	31/7/21 18.26	19:52	21:18	9.73	(38°,NW)	(26°,NW)	(17°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	31/7/21 22.25	23:39	0:54	11.72	(72°,SE)	(78°,S)	(72°,SW)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	1/8/21 19.17	20:24	21:30	12.54	(37°,S)	(36°,S)	(32°,SW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	1/8/21 19.22	20:32	21:42	12.8	(61°,W)	(49°,W)	(37°,NW)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	1/8/21 21.20	23:13	1:07	11.66	(86°,W)	(66°,W)	(48°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	1/8/21 21.40	22:55	0:09	11.72	(65°,E)	(76°,SE)	(77°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	1/8/21 22.20	23:25	0:30	12.43	(62°,S)	(63°,S)	(58°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	2/8/21 20.55	22:10	23:25	11.72	(58°,E)	(71°,SE)	(78°,S)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	2/8/21 22.50	0:20	1:49	11.3	(38°,W)	(23°,W)	(8°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	3/8/21 20.11	21:25	22:40	11.72	(51°,E)	(64°,E)	(75°,SE)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	3/8/21 22.04	23:41	1:17	13.03	(31°,E)	(48°,E)	(65°,E)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	4/8/21 19.26	20:41	21:55	11.72	(43°,E)	(57°,E)	(70°,SE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	5/8/21 18.41	19:56	21:11	11.72	(36°,E)	(49°,E)	(63°,E)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	5/8/21 18.50	19:40	20:31	12.214	(47°,SW)	(41°,SW)	(33°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	5/8/21 21.15	22:33	23:51	12.1	(37°,SW)	(26°,SW)	(12°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	6/8/21 0.56	2:47	4:37	9.5	(31°,SE)	(45°,SE)	(49°,S)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	6/8/21 18.46	19:52	20:57	12.43	(34°,E)	(45°,SE)	(55°,SE)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	6/8/21 19.29	20:47	22:04	12.1	(46°,S)	(40°,SW)	(30°,SW)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	6/8/21 21.26	22:56	0:26	11.3	(50°,W)	(34°,W)	(19°,W)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	6/8/21 21.44	23:38	1:32	11.66	(78°,W)	(59°,W)	(40°,NW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	7/8/21 23.52	0:57	2:02	12.43	(59°,SW)	(51°,SW)	(40°,W)
HAT-P-27/WASP-40 b (Vir)	14 51 04.26	+05 56 50.8	3.039586	101.5	0.0140	8/8/21 19.47	20:38	21:29	12.214	(38°,SW)	(30°,W)	(21°,W)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	9/8/21 20.24	21:57	23:30	11.29	(17°,NE)	(29°,NE)	(43°,NE)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	9/8/21 20.26	21:33	22:40	12.54	(34°,S)	(28°,SW)	(19°,SW)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	10/8/21 20.01	21:31	23:01	11.3	(62°,SW)	(47°,W)	(30°,W)
WASP-38 b (Her)	16 15 50.38	+10 01 57.70	6.871815	279.8	0.0108	11/8/21 19.07	21:27	23:47	9.4	(55°,SW)	(37°,SW)	(12°,W)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

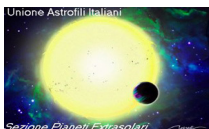
(C. Lopresti)

WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	11/8/21 22.08	0:02	1:56	11.66	(71°,W)	(52°,W)	(34°,NW)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	11/8/21 22.52	0:00	1:07	12.9	(20°,SE)	(28°,SE)	(34°,S)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	12/8/21 0.00	1:33	3:06	11.29	(48°,NE)	(64°,E)	(80°,E)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	12/8/21 20.19	21:24	22:29	12.43	(53°,SE)	(61°,SE)	(63°,S)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	14/8/21 1.25	2:31	3:36	12.43	(43°,W)	(31°,W)	(19°,W)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	14/8/21 18.38	20:08	21:37	11.3	(72°,SW)	(59°,W)	(43°,W)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	14/8/21 20.36	22:03	23:29	9.86	(17°,N)	(23°,NE)	(32°,NE)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	16/8/21 21.33	23:24	1:14	9.5	3 (4°,E)	(23°,E)	(40°,SE)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	16/8/21 22.33	0:27	2:21	11.66	(63°,W)	(44°,NW)	(27°,NW)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	16/8/21 22.46	0:23	1:59	13.03	(47°,E)	(64°,E)	(79°,SE)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	17/8/21 20.56	22:06	23:16	12.8	(35°,NW)	(24°,NW)	(15°,NW)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	18/8/21 1.13	2:39	4:06	9.86	(46°,NE)	(57°,NE)	(68°,NE)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	18/8/21 20.15	21:33	22:50	12.1	(38°,SW)	(27°,SW)	(14°,W)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	18/8/21 21.51	22:56	0:02	12.43	(63°,S)	(60°,SW)	(53°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	19/8/21 18.28	19:46	21:04	12.1	(46°,S)	(41°,SW)	(31°,SW)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	21/8/21 22.57	0:51	2:45	11.66	(55°,W)	(37°,NW)	(21°,NW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	23/8/21 18.18	19:23	20:28	12.43	(41°,E)	(52°,SE)	(60°,SE)
CoRoT-10 b (Aql)	19 24 15.29	00 44 46.11	13.2406	178.8	0.0172	23/8/21 20.32	22:01	23:31	15.22	(47°,S)	(43°,SW)	(32°,SW)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	24/8/21 1.43	2:51	3:58	12.9	(36°,S)	(33°,SW)	(27°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	24/8/21 23.24	0:30	1:35	12.43	(54°,SW)	(45°,SW)	(33°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	25/8/21 22.43	0:34	2:25	9.5	(23°,E)	(39°,SE)	(49°,S)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	26/8/21 23.23	1:17	3:11	11.66	(48°,NW)	(31°,NW)	(15°,NW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	27/8/21 1.12	2:45	4:18	11.29	(70°,E)	(86°,NE)	(78°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	27/8/21 2.19	3:34	4:49	11.72	(39°,W)	(26°,W)	(14°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	28/8/21 1.35	2:49	4:04	11.72	(46°,W)	(33°,W)	(20°,NW)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	28/8/21 22.05	23:12	0:19	12.9	(22°,SE)	(31°,SE)	(35°,S)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	29/8/21 0.50	2:05	3:19	11.72	(54°,W)	(40°,W)	(27°,W)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	29/8/21 19.50	20:55	22:01	12.43	(58°,SE)	(63°,S)	(61°,SW)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	29/8/21 23.28	1:04	2:41	13.03	(64°,E)	(79°,SE)	(76°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	30/8/21 0.05	1:20	2:35	11.72	(61°,W)	(48°,W)	(34°,W)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

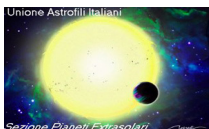
(C. Lopresti)

WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	30/8/21 18.39	19:46	20:53	12.54	(36°,S)	(31°,SW)	(23°,SW)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	30/8/21 19.36	21:02	22:29	9.86	(17°,N)	(24°,NE)	(32°,NE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	30/8/21 23.21	0:36	1:50	11.72	(67°,SW)	(55°,W)	(41°,W)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	31/8/21 0.57	2:02	3:07	12.43	(36°,W)	(24°,W)	(12°,W)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	31/8/21 19.14	20:32	21:50	12.1	(39°,SW)	(29°,SW)	(16°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	31/8/21 22.36	23:51	1:06	11.72	(73°,SW)	(61°,W)	(49°,W)
WASP-58 b (Lyr)	18 18 48.25	+45 10 19.1	5.01718	227.81	0.0156	31/8/21 23.48	1:42	3:36	11.66	(41°,NW)	(24°,NW)	(11°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	1/9/21 21.52	23:06	0:21	11.72	(78°,S)	(68°,SW)	(56°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	2/9/21 21.07	22:22	23:36	11.72	(77°,S)	(74°,SW)	(63°,W)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	3/9/21 0.11	1:37	3:04	9.86	(46°,NE)	(57°,NE)	(68°,NE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	3/9/21 20.22	21:37	22:52	11.72	(73°,SE)	(78°,S)	(69°,SW)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	3/9/21 23.55	1:46	3:37	9.5	(39°,SE)	(49°,S)	(46°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	4/9/21 19.38	20:52	22:07	11.72	(67°,SE)	(77°,SE)	(75°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	4/9/21 21.23	22:29	23:34	12.43	(62°,S)	(56°,SW)	(46°,SW)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	5/9/21 2.27	3:53	5:19	9.73	(16°,NE)	(25°,NE)	(37°,NE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	5/9/21 18.53	20:08	21:22	11.72	(60°,E)	(72°,SE)	(78°,S)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	6/9/21 18.08	19:23	20:38	11.72	(53°,E)	(66°,E)	(76°,SE)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	6/9/21 19.12	20:45	22:18	11.29	(22°,NE)	(35°,NE)	(49°,NE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	7/9/21 17.24	18:38	19:53	11.72	(45°,E)	(59°,E)	(71°,SE)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	8/9/21 17.59	19:36	21:13	13.03	(14°,NE)	(30°,E)	(46°,E)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	8/9/21 22.48	0:21	1:54	11.29	(55°,NE)	(70°,E)	(86°,NE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	9/9/21 17.49	18:54	20:00	12.43	(47°,SE)	(57°,SE)	(63°,S)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	10/9/21 0.56	2:03	3:11	12.9	(36°,S)	(32°,SW)	(24°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	10/9/21 22.56	0:01	1:06	12.43	(48°,SW)	(38°,W)	(26°,W)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	11/9/21 2.24	3:57	5:30	11.29	(86°,NW)	(71°,W)	(55°,NW)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	12/9/21 0.10	1:46	3:23	13.03	(78°,SE)	(76°,SW)	(60°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	13/9/21 1.06	2:57	4:47	9.5	(48°,S)	(46°,SW)	(32°,SW)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	13/9/21 18.12	19:30	20:48	12.1	(41°,SW)	(30°,SW)	(18°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	14/9/21 20.32	22:23	0:14	9.5	(13°,E)	(32°,SE)	(46°,SE)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	14/9/21 21.16	22:23	23:30	12.9	(25°,SE)	(32°,SE)	(36°,S)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

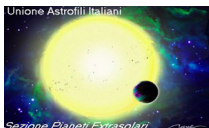
(C. Lopresti)

XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	15/9/21 18.35	20:02	21:28	9.86	(17°,N)	(24°,NE)	(33°,NE)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	15/9/21 18.58	20:08	21:18	12.8	(35°,NW)	(25°,NW)	(15°,NW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	15/9/21 19.22	20:28	21:33	12.43	(62°,S)	(63°,S)	(57°,SW)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	18/9/21 23.10	0:37	2:03	9.86	(47°,NE)	(58°,NE)	(69°,NE)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	19/9/21 16.48	18:21	19:54	11.29	(11°,NE)	(22°,NE)	(35°,NE)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	21/9/21 18.40	20:16	21:53	13.03	(29°,E)	(46°,E)	(63°,E)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	21/9/21 20.24	21:57	23:30	11.29	(40°,NE)	(55°,NE)	(71°,E)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	21/9/21 20.55	22:00	23:05	12.43	(59°,SW)	(50°,SW)	(40°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	22/9/21 2.18	4:09	5:59	9.5	(46°,SW)	(33°,SW)	(14°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	23/9/21 21.44	23:35	1:26	9.5	(32°,SE)	(46°,SE)	(49°,S)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	24/9/21 0.00	1:33	3:06	11.29	(77°,E)	(86°,NW)	(71°,W)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	25/9/21 0.51	2:28	4:04	13.03	(77°,SW)	(61°,W)	(43°,W)
WASP-103 b (Her)	16 37 15.57	+07 11 00.07	0.925542	155.58	0.0129	26/9/21 17.12	18:30	19:48	12.1	(42°,SW)	(32°,SW)	(19°,W)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	26/9/21 17.21	18:27	19:32	12.43	(53°,SE)	(61°,SE)	(63°,S)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	27/9/21 0.07	1:14	2:22	12.9	(35°,S)	(30°,SW)	(22°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	27/9/21 22.28	23:34	0:39	12.43	(42°,W)	(31°,W)	(20°,W)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	28/9/21 18.03	19:10	20:17	12.54	(30°,SW)	(21°,SW)	(11°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	30/9/21 0.17	1:32	2:46	11.72	(37°,W)	(24°,W)	(12°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	30/9/21 23.32	0:47	2:02	11.72	(44°,W)	(31°,W)	(18°,NW)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	1/10/21 17.33	19:00	20:26	9.86	(17°,N)	(24°,NE)	(33°,NE)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	1/10/21 20.28	21:36	22:43	12.9	(27°,SE)	(34°,SE)	(36°,S)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	1/10/21 22.48	0:02	1:17	11.72	(51°,W)	(38°,W)	(25°,W)
HAT-P-30/WASP-51 b (Hya)	08 15 48.01	+05 50 12.1	2.810595	127.7	0.0119	2/10/21 2.59	4:03	5:07	10.419	(27°,E)	(37°,SE)	(46°,SE)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	2/10/21 18.54	19:59	21:04	12.43	(63°,S)	(60°,SW)	(52°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	2/10/21 22.03	23:18	0:32	11.72	(58°,W)	(45°,W)	(32°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	2/10/21 22.55	0:46	2:36	9.5	(45°,SE)	(49°,S)	(40°,SW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	3/10/21 21.18	22:33	23:48	11.72	(65°,W)	(52°,W)	(39°,W)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	4/10/21 0.17	1:43	3:09	9.73	(14°,NE)	(24°,NE)	(35°,NE)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	4/10/21 18.00	19:33	21:06	11.29	(27°,NE)	(40°,NE)	(55°,NE)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	4/10/21 18.21	20:12	22:03	9.5	1 (4°,E)	(24°,E)	(40°,SE)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

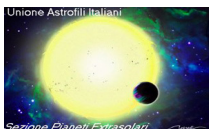
(C. Lopresti)

HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	4/10/21 19.22	20:58	22:35	13.03	(45°,E)	(62°,E)	(78°,SE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	4/10/21 20.34	21:48	23:03	11.72	(72°,SW)	(59°,W)	(46°,W)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	4/10/21 22.10	23:36	1:03	9.86	(47°,NE)	(58°,NE)	(69°,NE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	5/10/21 19.49	21:04	22:18	11.72	(77°,SW)	(66°,W)	(53°,W)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	6/10/21 19.05	20:19	21:34	11.72	(78°,S)	(73°,SW)	(61°,W)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	6/10/21 21.36	23:09	0:42	11.29	(62°,E)	(78°,E)	(86°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	7/10/21 18.20	19:35	20:49	11.72	(75°,SE)	(77°,SW)	(68°,SW)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	8/10/21 1.32	3:08	4:45	13.03	(61°,W)	(44°,W)	(28°,NW)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	8/10/21 2.45	4:12	5:38	9.86	(77°,N)	(70°,NW)	(60°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	8/10/21 17.35	18:50	20:05	11.72	(69°,SE)	(78°,S)	(74°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	8/10/21 20.26	21:31	22:37	12.43	(54°,SW)	(44°,W)	(33°,W)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	9/10/21 1.12	2:45	4:18	11.29	(80°,W)	(64°,W)	(49°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	9/10/21 16.51	18:05	19:20	11.72	(62°,E)	(74°,SE)	(78°,S)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	12/10/21 0.05	1:56	3:47	9.5	(49°,S)	(40°,SW)	(23°,W)
WASP-38 b (Her)	16 15 50.38	+10 01 57.70	6.871815	279.8	0.0108	12/10/21 15.25	17:45	20:05	9.4	(53°,SW)	(33°,W)	6 (8°,W)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	13/10/21 16.53	17:58	19:03	12.43	(58°,SE)	(63°,S)	(61°,SW)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	13/10/21 19.32	21:23	23:13	9.5	(23°,E)	(40°,SE)	(49°,S)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	13/10/21 23.19	0:27	1:34	12.9	(34°,S)	(28°,SW)	(19°,SW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	14/10/21 16.58	18:08	19:18	12.8	(36°,NW)	(26°,NW)	(16°,NW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	14/10/21 21.59	23:05	0:10	12.43	(35°,W)	(24°,W)	(13°,W)
CoRoT-10 b (Aql)	19 24 15.29	00 44 46.11	13.2406	178.8	0.0172	15/10/21 19.39	21:08	22:38	15.22	(36°,SW)	(22°,W)	7 (6°,W)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	17/10/21 16.33	18:00	19:26	9.86	(17°,N)	(24°,NE)	(33°,NE)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	17/10/21 20.03	21:40	23:16	13.03	(62°,E)	(78°,SE)	(77°,SW)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	18/10/21 19.41	20:48	21:55	12.9	(29°,SE)	(35°,S)	(36°,S)
WASP-163 b (Oph)	17 06 08.98	-10 24 47.0	1.6096884	133.9	0.0151	19/10/21 16.15	17:22	18:29	12.54	(32°,SW)	(24°,SW)	(15°,SW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	19/10/21 18.25	19:30	20:36	12.43	(62°,S)	(56°,SW)	(46°,SW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	19/10/21 19.12	20:45	22:18	11.29	(46°,NE)	(62°,E)	(78°,E)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	20/10/21 1.46	3:12	4:39	9.73	(32°,NE)	(44°,NE)	(58°,NE)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	20/10/21 21.08	22:35	0:01	9.86	(47°,NE)	(59°,NE)	(69°,NE)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	21/10/21 1.17	3:08	4:59	9.5	(41°,SW)	(24°,W)	9 (5°,W)

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aggiornato al 22/06/2020

fonte dati: ETD



Programma di Ricerca DETEX

Sezione Nazionale di Ricerca Pianeti Extrasolari UAI

(C. Lopresti)

HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	21/10/21 2.13	3:50	5:26	13.03	(45°,W)	(28°,NW)	(13°,NW)
HAT-P-12 b (CVn)	13 57 33.684	+43 29 37.35	3.2130598	140.3	0.0204	21/10/21 3.11	4:22	5:32	12.8	(12°,NE)	(21°,NE)	(31°,NE)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	21/10/21 22.48	0:21	1:54	11.29	(84°,NE)	(80°,W)	(64°,W)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	22/10/21 20.44	22:35	0:25	9.5	(39°,SE)	(49°,S)	(45°,SW)
XO-3 b (Cam)	04 21 52.71	+57 49 01.89	3.1915289	173	0.0048	24/10/21 1.45	3:11	4:38	9.86	(77°,N)	(70°,NW)	(59°,NW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	24/10/21 2.24	3:57	5:30	11.29	(58°,W)	(43°,NW)	(29°,NW)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	24/10/21 17.22	18:51	20:21	11.3	(38°,W)	(23°,W)	(8°,NW)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	25/10/21 19.58	21:04	22:09	12.43	(49°,SW)	(38°,W)	(26°,W)
XO-1 b (CrB)	16 02 12	+28 10 11	3.9415128	179.5	0.0171	28/10/21 15.57	17:26	18:56	11.3	(51°,W)	(35°,W)	(19°,W)
HAT-P-23 b (Del)	20 24 29.73	+16 45 44.3	1.212884	130.75	0.0076	30/10/21 16.24	17:29	18:35	12.43	(62°,S)	(63°,S)	(58°,SW)
HAT-P-28 b (And)	00 52 00.27	+34 43 42.9	3.257215	193.1	0.0162	30/10/21 20.45	22:22	23:58	13.03	(77°,SE)	(77°,SW)	(61°,W)
WASP-44 b (Cet)	00 15 36.76	-11 56 17.4	2.4238039	134.8	0.0183	30/10/21 22.32	23:39	0:47	12.9	(32°,SW)	(25°,SW)	(16°,SW)
WASP-76 b (PSC)	01 46 31.86	+02 42 02.0	1.809886	221.62	0.0128	31/10/21 21.54	23:45	1:36	9.5	(49°,S)	(46°,SW)	(32°,SW)
HAT-P-32 b (And)	02 04 10.24	+46 41 16.8	2.150008	186.5	0.0244	1/11/21 16.48	18:21	19:54	11.29	(32°,NE)	(47°,NE)	(62°,E)
HAT-P-22 b (UMa)	10 22 43.73	+50 07 41.1	3.21222	172.2	0.0119	1/11/21 22.07	23:34	1:00	9.73	(13°,NE)	(22°,NE)	(33°,NE)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	2/11/21 22.15	23:29	0:44	11.72	(34°,W)	(22°,NW)	(10°,NW)
KELT-16 b (Cyg)	20 57 04.4	+31 39 39.6	0.9689951	149.3	0.0124	3/11/21 21.30	22:45	23:59	11.72	(41°,W)	(29°,W)	(16°,NW)

*) Le ultime tre colonne sono l'altezza in gradi e direzione az degli oggetti all'inizio, centralità e fine del transito per località italiane a 45° di latitudine

aggiornato al 22/06/2020

fonte dati: ETD