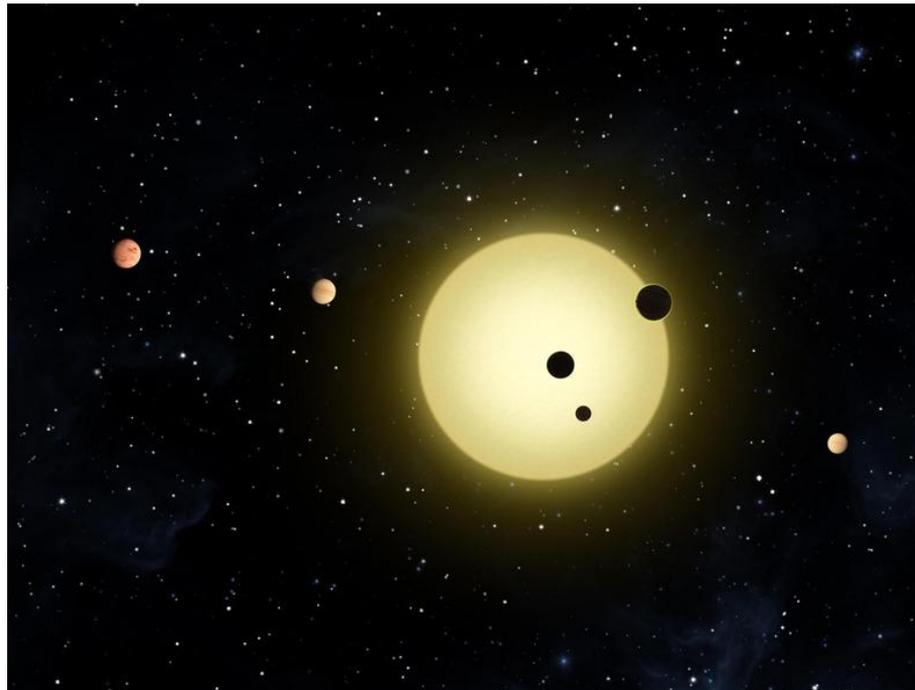




Sezione Esopianeti



Antonio Marino



Di cosa si occupa la sezione esopianeti?

Di cosa si occupa la sezione esopianeti?

Monitoraggio e studio di transiti già noti

Di cosa si occupa la sezione esopianeti?

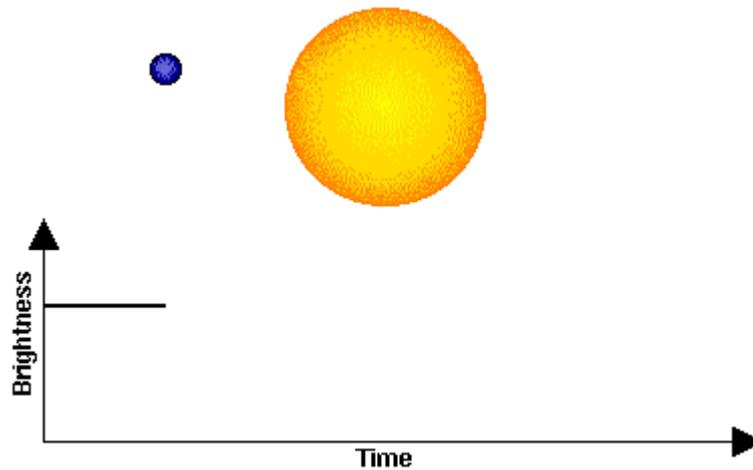
Monitoraggio e studio di transiti già noti

Finalità:

- Correggere le effemeridi dei transiti (tempi di contatto)
- Confermarne l'esistenza dei pianeti
- Contribuire alla scoperta di nuovi sistemi planetari

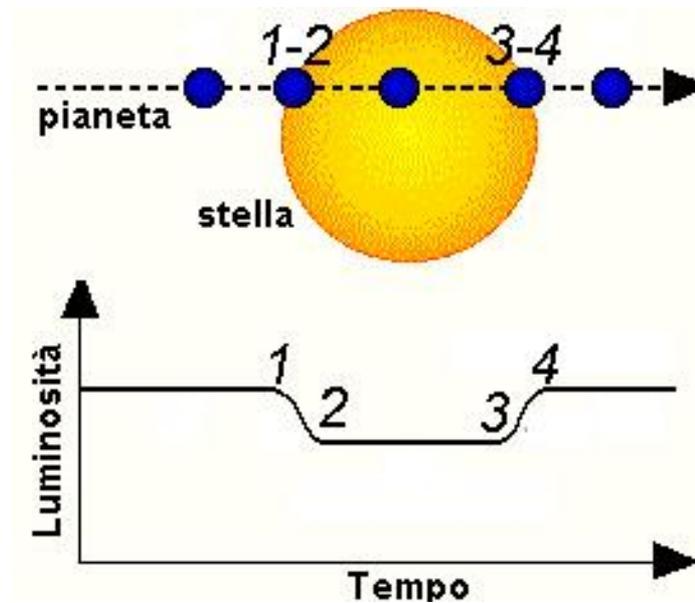
Con quale tecnica?

Metodo del transito tramite fotometria



Con quale tecnica?

Metodo del transito tramite fotometria



Perché è importante il monitoraggio del transito

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**Il metodo del transito
permette di determinare**

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**Il metodo del transito
permette di determinare**

- periodo orbitale**
- semiasse maggiore dell'orbita**
 - diametro del pianeta**
 - orientazione dell'orbita**

Perché è importante il monitoraggio del transito

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Perché è importante il monitoraggio del transito

**Il metodo del transito
permette di determinare**

- periodo orbitale

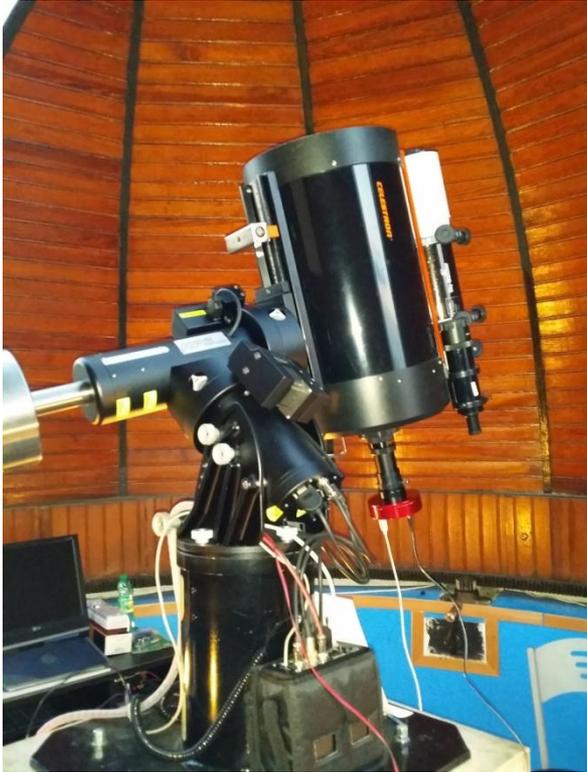
Tempi di contatto diversi da quelli ipotizzati potrebbero suggerire la presenza di un altro pianeta o di un sistema planetario composto da più pianeti.



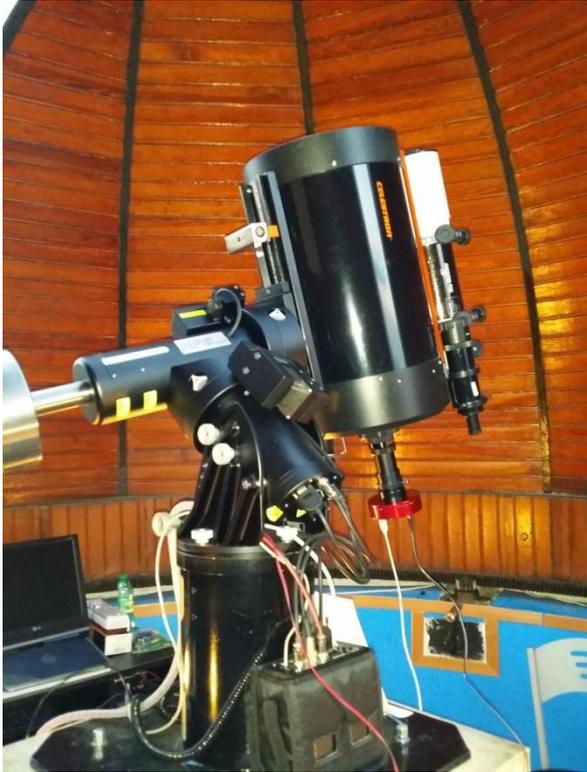
Strumentazione

Telescopio SC11

(riduttore di focale 6.3)



Strumentazione

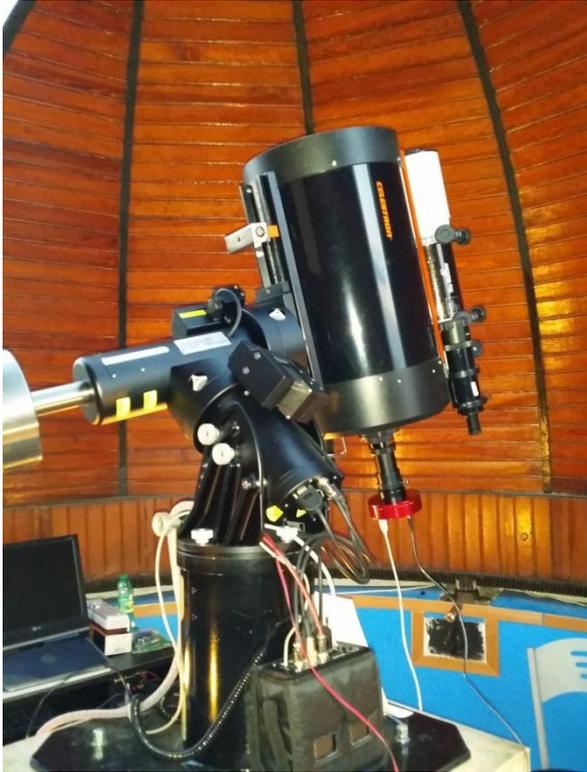


Telescopio SC11

(riduttore di focale 6.3)

Montatura 10Micron GM2000

Strumentazione



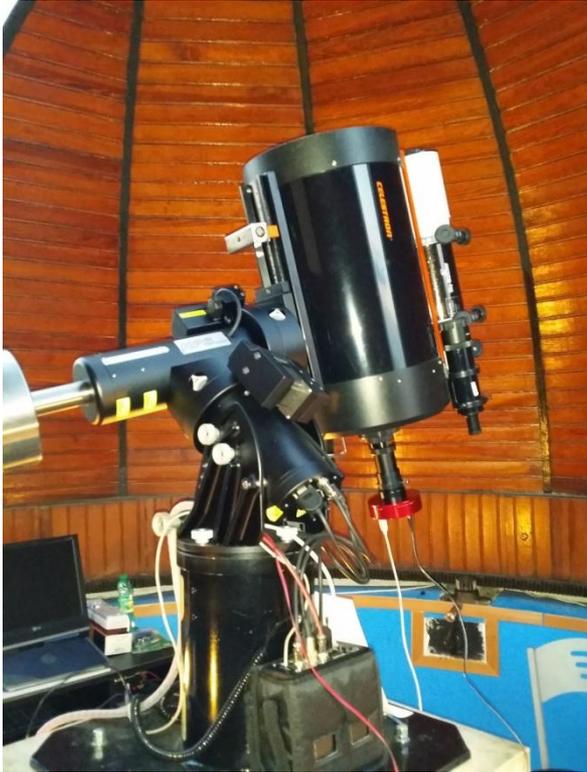
Telescopio SC11

(riduttore di focale 6.3)

Montatura 10Micron GM2000

CCD Atik 314

Strumentazione



Telescopio SC11

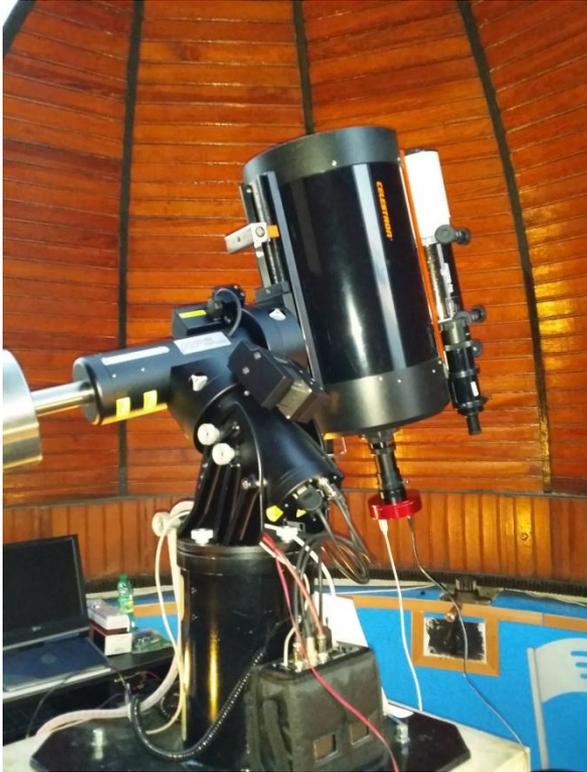
(riduttore di focale 6.3)

Montatura 10Micron GM2000

CCD Atik 314

Software:

Strumentazione



Telescopio SC11

(riduttore di focale 6.3)

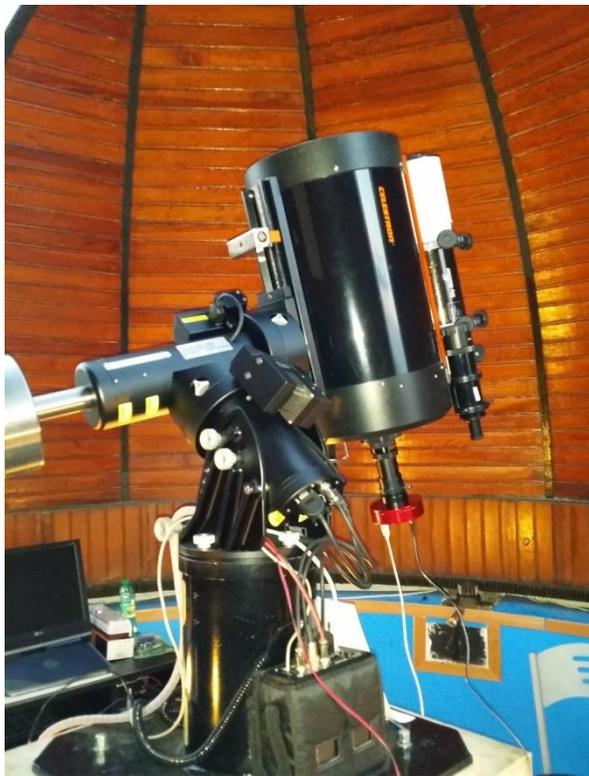
Montatura 10Micron GM2000

CCD Atik 314

Software:

- Artemis (acquisizione immagini)

Strumentazione



Telescopio SC11

(riduttore di focale 6.3)

Montatura 10Micron GM2000

CCD Atik 314

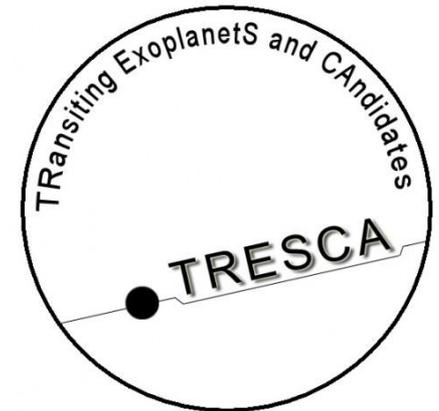
Software:

- Artemis (acquisizione immagini)
- MaximDL (calibrazione immagine e curva di luce)

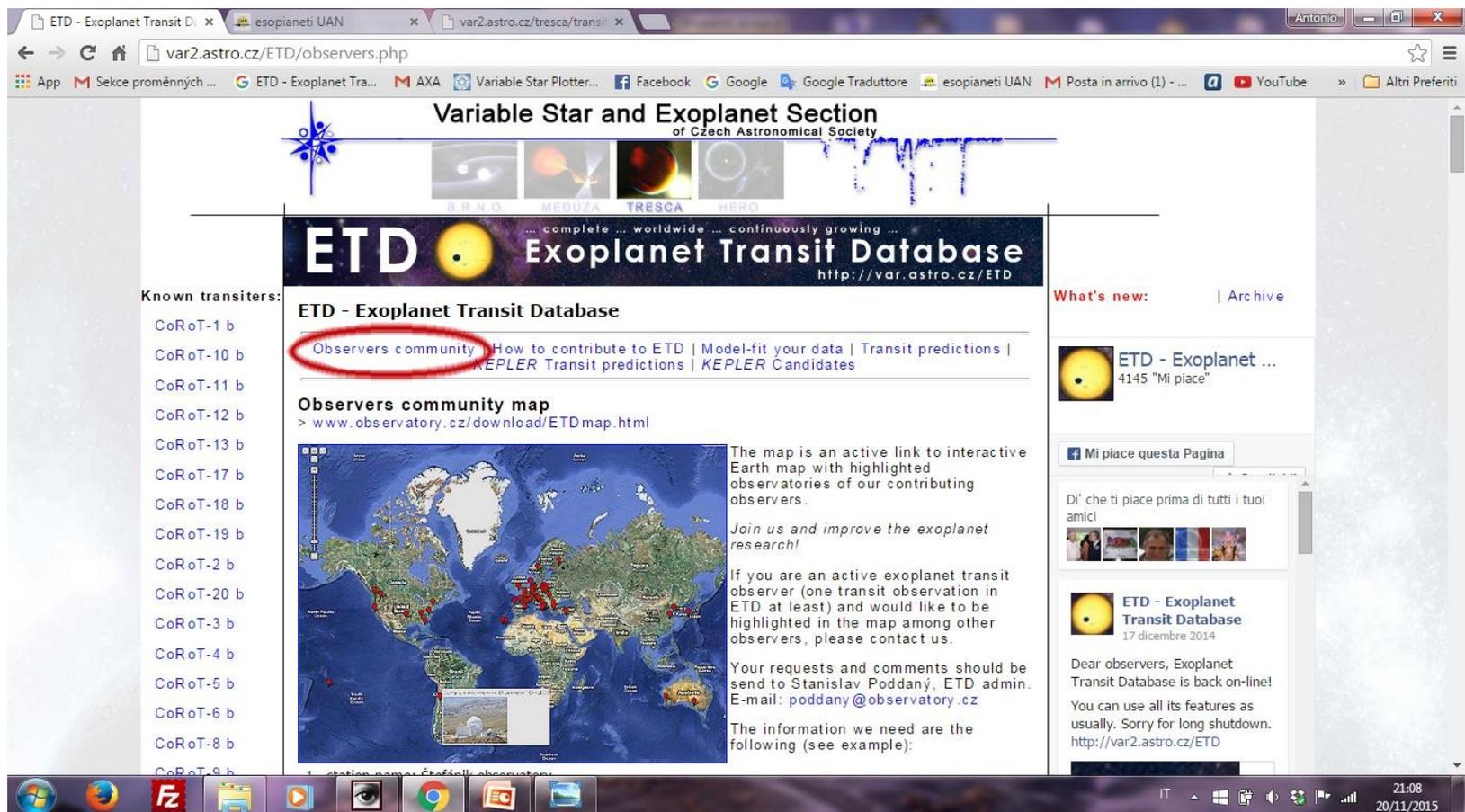
PROGRAMMI OSSERVATIVI E COLLABORAZIONI

Dal febbraio 2015 la sezione esopianeti UAN collabora con il programma TRESKA (Transiting ExoplanetS Candidates) coordinata dalla sezione Stelle Variabili e Esopianeti della “Czech Astronomical Society”

E pubblica i propri dati ossevativi nell'Exoplanet Transit Database (ETD)



PROGRAMMI OSSERVATIVI E COLLABORAZIONI



The screenshot shows a web browser window displaying the ETD website. The browser's address bar shows the URL `var2.astro.cz/ETD/observers.php`. The website header includes the logo for the Variable Star and Exoplanet Section of the Czech Astronomical Society, with sub-sections for RRNO, MEDUZA, TRESKA, and HERO. Below the header is a banner for the ETD Exoplanet Transit Database, with the URL `http://var.astro.cz/ETD`.

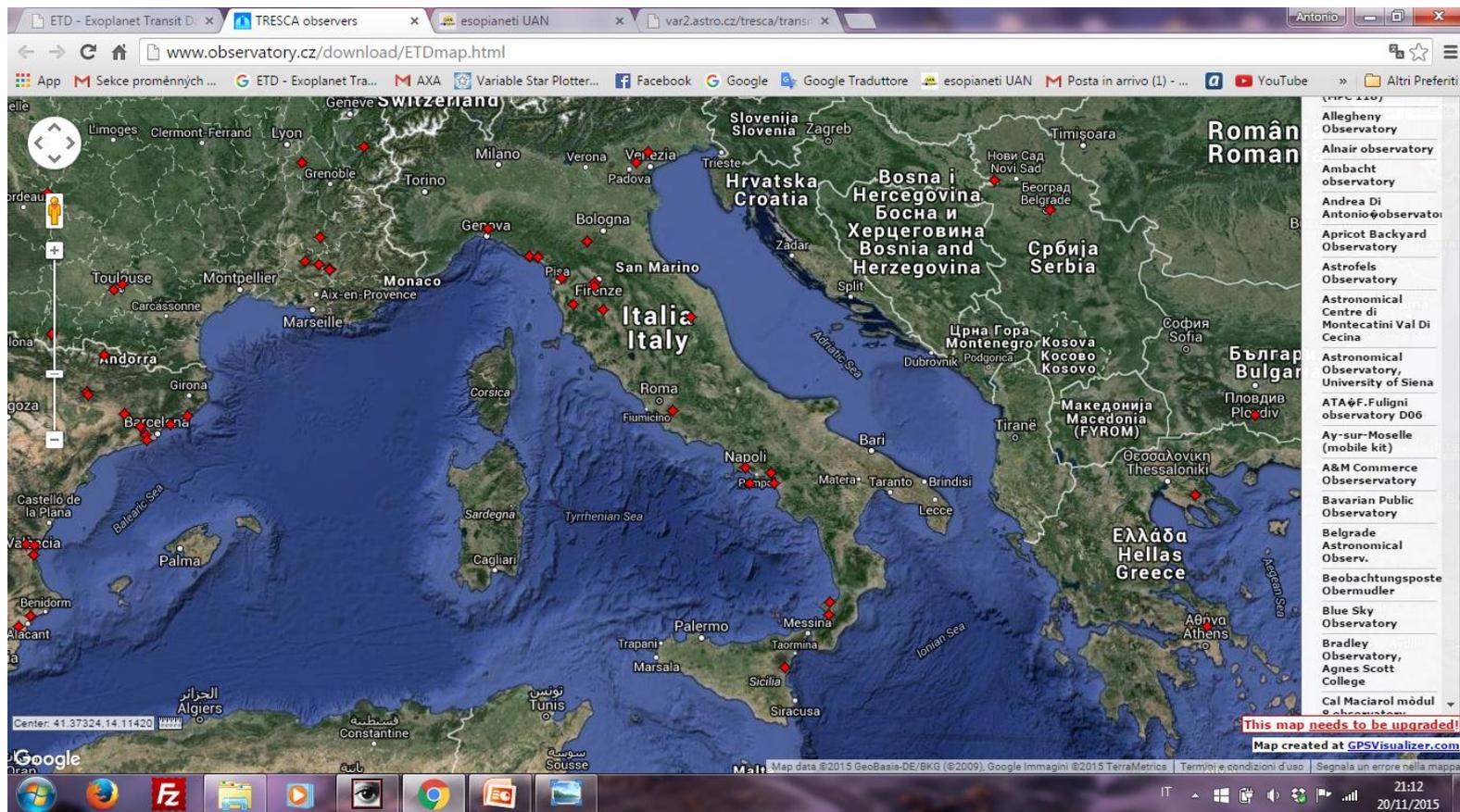
On the left side, there is a list of "Known transits:" with entries such as CoRoT-1 b, CoRoT-10 b, CoRoT-11 b, CoRoT-12 b, CoRoT-13 b, CoRoT-17 b, CoRoT-18 b, CoRoT-19 b, CoRoT-2 b, CoRoT-20 b, CoRoT-3 b, CoRoT-4 b, CoRoT-5 b, CoRoT-6 b, CoRoT-8 b, and CoRoT-9 b.

The main content area features a section titled "ETD - Exoplanet Transit Database" with a red circle around the "Observers community" link. Below this is a section titled "Observers community map" with a link to `www.observatory.cz/download/ETDmap.html`. The map shows a world map with red dots indicating the locations of contributing observers. Text next to the map reads: "The map is an active link to interactive Earth map with highlighted observatories of our contributing observers." and "Join us and improve the exoplanet research!".

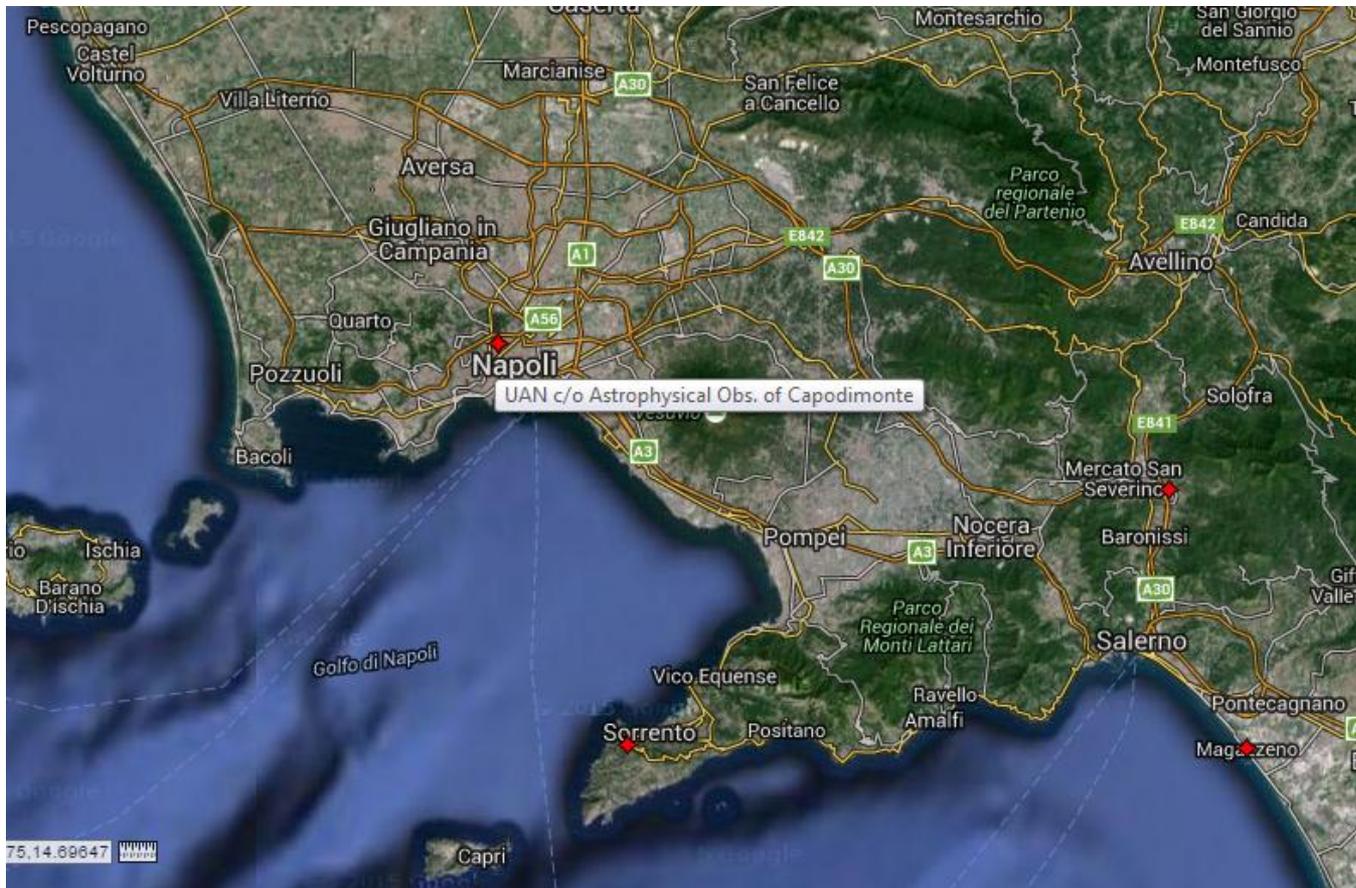
Below the map, there is a call to action: "If you are an active exoplanet transit observer (one transit observation in ETD at least) and would like to be highlighted in the map among other observers, please contact us." and "Your requests and comments should be send to Stanislav Poddany, ETD admin. E-mail: `poddany@observatory.cz`". It also states: "The information we need are the following (see example):".

On the right side, there is a "What's new:" section with a link to "Archive". Below this is a Facebook post from "ETD - Exoplanet ..." with 4145 "Mi piace" (likes). The post text reads: "Dear observers, Exoplanet Transit Database is back on-line! You can use all its features as usually. Sorry for long shutdown. `http://var2.astro.cz/ETD`".

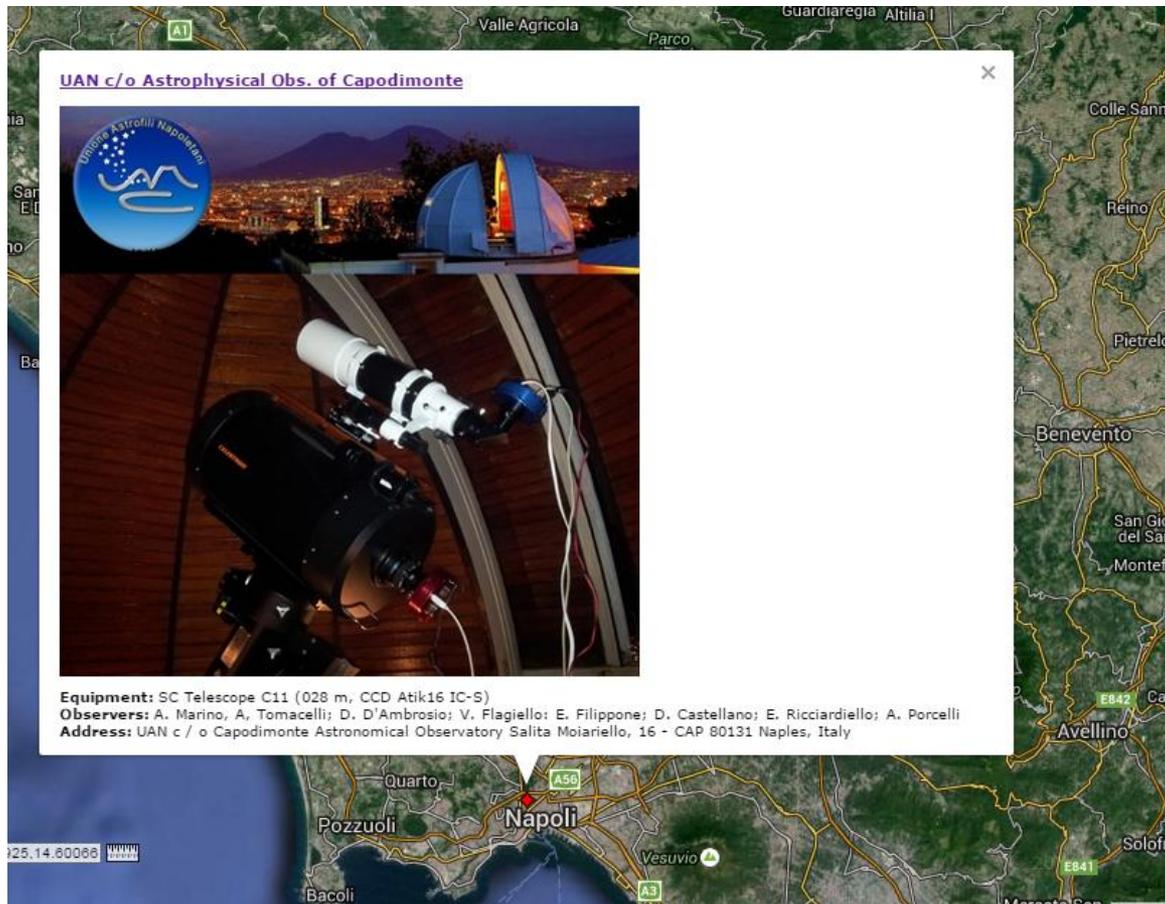
PROGRAMMI OSSERVATIVI E COLLABORAZIONI



PROGRAMMI OSSERVATIVI E COLLABORAZIONI



PROGRAMMI OSSERVATIVI E COLLABORAZIONI

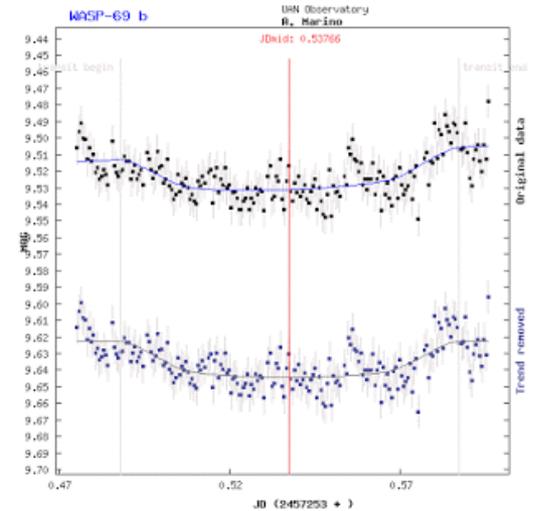
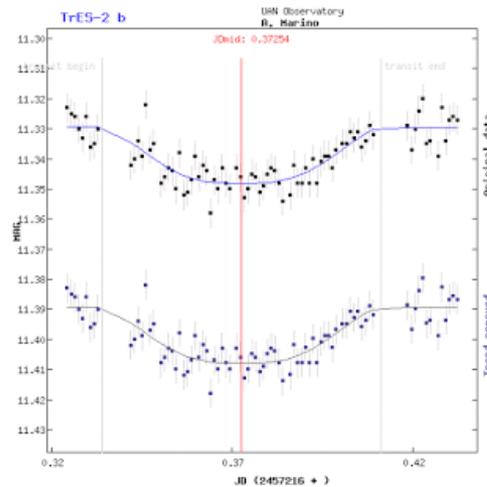
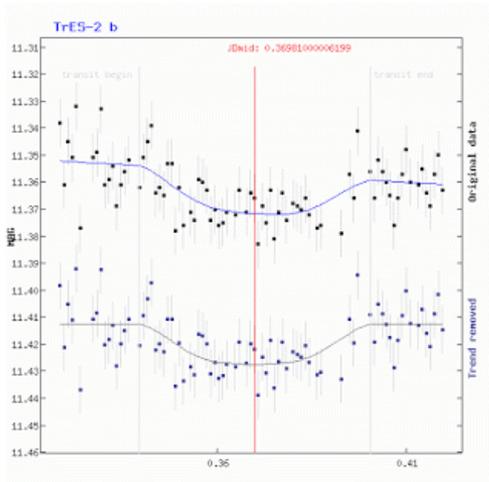
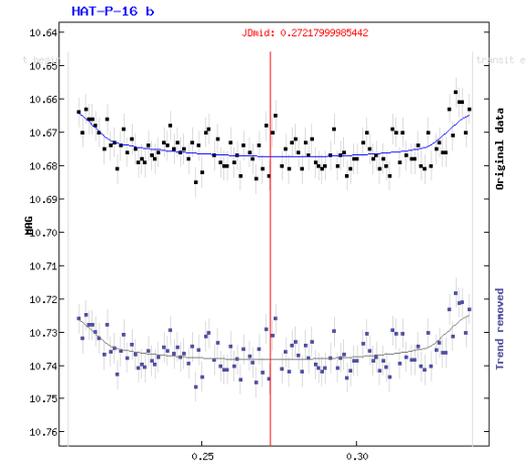
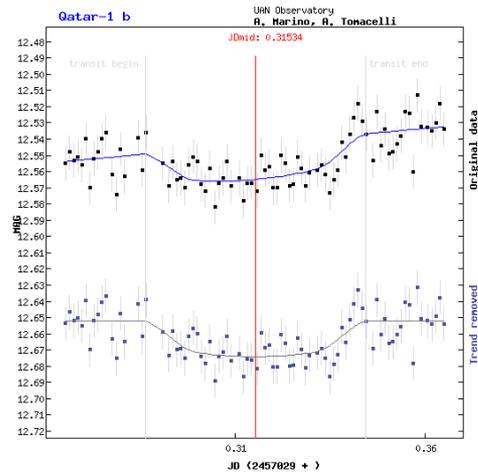
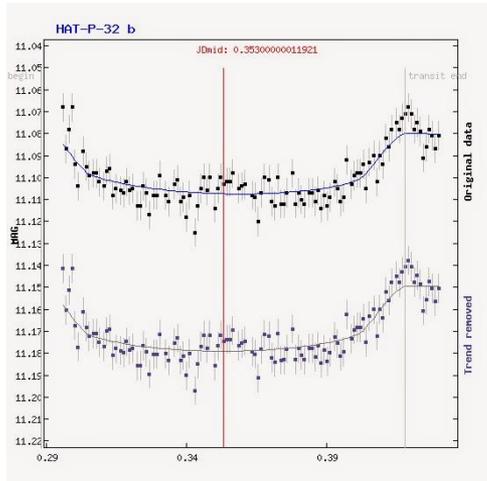


UAN c/o Astrophysical Obs. of Capodimonte

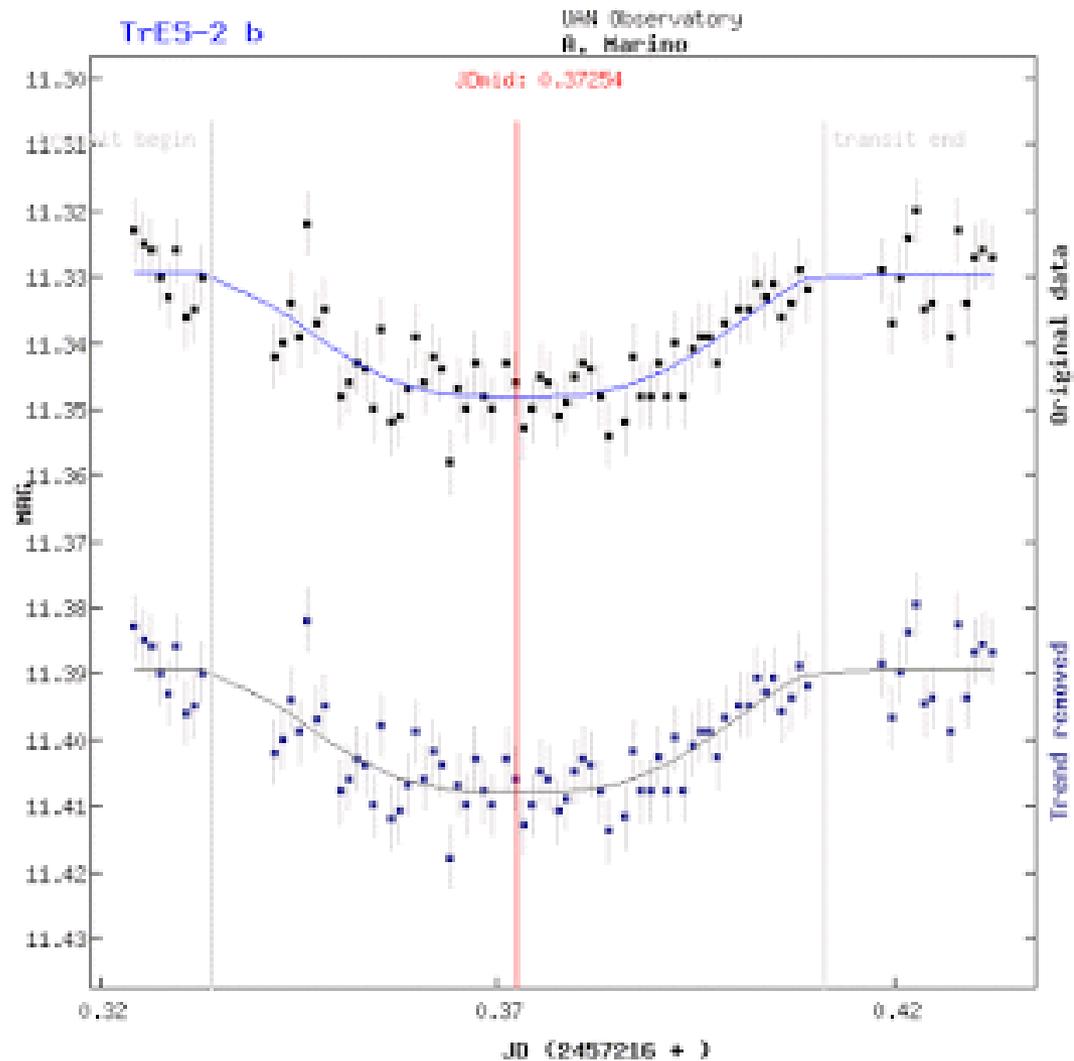


Equipment: SC Telescope C11 (028 m, CCD Atik16 IC-S)
Observers: A. Marino, A. Tomacelli; D. D'Ambrosio; V. Flagiello; E. Filippone; D. Castellano; E. Ricciardiello; A. Porcelli
Address: UAN c / o Capodimonte Astronomical Observatory Salita Moiarriello, 16 - CAP 80131 Naples, Italy

I NOSTRI RISULTATI



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I NOSTRI RISULTATI

var2.astro.cz/tresca/transiti x Antonio

var2.astro.cz/tresca/transits.php?object=TrES-2%26nbsp%3Bb

App Bookmarks Sekce proměnných ... ETD - Exoplanet Tra... AXA Variable Star Plotter... Google Facebook YouTube esopianeti UAN Posta in arrivo (1) - ... Altri Pre

Variable stars
O-C brána
NEW CzeV katalog
SvKv katalog
RafV katalog
Světelné křivky & data MEDÚZA
Znamé zákrytové dvojhvězdy
Statistické centrum
Exoplanet Transit Database
Linearita CCD kamer
Fotometrie s DSLR

Perseus - ČASOPIŠ ON-LINE
Archiv tištěných čísel

DOWNLOAD
Začátečnickům
RSS zdroje

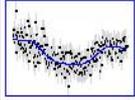
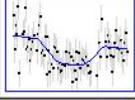
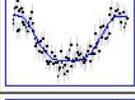
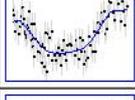
O SEKCI PHE ČAS
Výbor sekce
Proměnná akce
Výroční zprávy o činnosti
Historie sekce
Cena Jindřicha Šilhána
"Proměňáň roku"
Podmínky členství
Přihláška za člena
Seznam členů
Jednací a organizační řád
Seznamte se: Sekce PHE ČAS

DISKUSNÍ FÓRUM
konference var@lists.astro.cz

PŘÍBUZNÉ ODKAZY
ČAS - Česká astronomická společnost

WASP-59 b (9) | WASP-6 b (11) | WASP-60 b (6) | WASP-61 b (2) | WASP-64 b (3) | WASP-65 b (11) | WASP-67 b (1) | WASP-7 b (1) | WASP-70A b (2) | WASP-75 b (3) | WASP-76 b (5) | WASP-77 b (11) | WASP-80 b (8) | WASP-82 b (2) | WASP-85A b (9) | WASP-90 b (3) | WASP-95 b (1) | WASP-97 b (1) | WASP-98 b (2) | XO-1 b (31) | XO-2 b (78) | XO-3 b (31) | XO-4 b (25) | XO-5 b (38) |

Filtrovat podle pozorovatele:
všichni pozorovatelé (638)
zobrazit...

#	HVĚZDA	FILTR	STŘED TRANZITU	KŘIVKA	POZOROVATEL, STANICE / VLOŽENO
161	TrES-2 b	V	2015-06-05 19:31:03 Ukaž v ETD		Yenal Ogmen Green Island Observatory IAU B34 2015-06-06
160	TrES-2 b	R	2015-05-31 20:52:31 Ukaž v ETD		A.Marino, A.Tomacelli. UAN Observatory 2015-06-01
159	TrES-2 b	V	2015-05-31 20:58:36 Ukaž v ETD		Marc Bretton UAI B10 Baronnie Provencales Observatory 2015-06-01
158	TrES-2 b	Clear	2015-05-31 20:57:08 Ukaž v ETD		Marc Bretton UAI B10 Baronnie Provencales Observatory 2015-06-01
157	TrES-2 b	Clear	2015-05-16 01:14:27 Ukaž v ETD		Juanjo Gonzalez Cielo Profundo J01 2015-05-17
156	TrES-2 b	Clear	2015-05-17 01:14:48		Marc Bretton UAI B10 Baronnie Provencales Observatory 2015-06-01

T.)
V337 Cam
(Medulka T.)
V1040 Her (Lehky M.)
V1040 Her (Lehky M.)
V1040 Her (Lehky M.)
V366 Cyg (Marian Urbanik)
V958 Cep
(Medulka T.)
NSVS 10526111
Boo (Mašek M., Jelínek M.)
NSVS 10531185
Boo (Mašek M., Jelínek M.)

Nové tranzity TRĚSCA:
WASP-2 b (C. Colazo, C. Villarreal, R. Melia, M. Schneider)
WASP-48 b (M. Bretton)
HAT-P-37 b (M. Bretton)
Qatar-1 b (S. and)
WASP-14 b (S. and)
Qatar-1 b (M. Bretton)
Kepler-15 b (D. Molina)
WASP-17 b (C. C. V., C., S. M.)
TrES-1 b (D. Molina)
TrES-5 b (Y. Ogmen)

Nová data MEDÚZA:
CCD:
M. Lehký:
V1107 Her



PROGETTI FUTURI

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- **Continuare il monitoraggio** (programma TRESKA)

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- **Partecipare a programmi UAI**

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- **Seguire transiti suggeriti da professionisti**

PROGETTI FUTURI

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- **Partecipare a programmi UAI**
- **Seguire transiti suggeriti da professionisti**
- **Fotometria alla ricerca di stelle variabili**

(con il telescopio RC da 40 cm OACN)

PROGETTI FUTURI



GRAZIE
PER
L'ATTENZIONE