



EANweb NEWSLETTER del 24 dicembre 2009


European Astrosky Network

(a cura di Rodolfo Calanca e Angelo Angeletti)

www.crabnebula.it/rc/menu_EAN.htm

Web-TV: www.livestream.com/eantv

INVITATION TO OBSERVE XO-3b EXTRASOLAR PLANET TRANSIT ON 13th FEBRUARY 2010

 <p>www.youtube.com/watch?v=wsbW5TRo9g0 This movie is in italian, english and chinese</p>	<p align="center">"WORLDS OF THE SKY" A PUBLIC SIMULTANEOUS OBSERVATION ACROSS EUROPE OF THE TRANSIT OF EXTRASOLAR PLANET XO-3b</p> <p><i>An initiative promoted by: BRERA and PALERMO INAF ASTRONOMICAL OBSERVATORIES - ITALY ; EAN web community; CRAB NEBULA Association, webzine L'ASTROFILO, SKYLIVE no-profit Society; SEVENOW web-TV</i></p>
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"WORLDS OF THE SKY" is an International Project for public observation of an Extrasolar Planet Transit on the web-TV (www.crabnebula.it and www.livestream.com/eantv).

The observation of the exoplanet XO-3b transit on next Feb 13 has a scientific as well as cultural relevance.

Collecting several simultaneous light curves opens indeed the possibility to globally analyze them in order to get a final, high-accuracy transit light curve. This could unveil peculiar features like for example asymmetries of the transit profile, possibly related to evaporation phenomena like those observed in the first discovered transiting exoplanet, HD209458b.

It is important to remark that because of their time-dependence, these phenomena are best studied with this kind of observations, rather than co adding light curves referring to different transits and therefore acquired over a large period.

The National Institute for Astrophysics - Astronomical Observatories of Brera and Palermo Italy - plans to collect light curve data acquired on next Feb 13 by as many observers as possible, and to perform a accurate analysis of them.

It represents therefore a unique opportunity to provide a scientific acknowledgement for any amateur astronomer who will like to contribute to this data acquisition. The Observatories of Brera and Palermo will appreciate the collaboration of observers, across Europe, who will observe the XO-3b transit on next Feb 13 and will make their data available.



Astronomers of INAF - Brera Astronomical Observatory: Paolo D'Avanzo, Jirong Mao and Christina Thoene (see movie: www.youtube.com/watch?v=wsbW5TRo9g0)

LINKS OF "WORLDS OF THE SKY" PROJECT

- INAF - Brera Astronomical Observatory: www.mi.astro.it/
- INAF - Palermo Astronomical Observatory: www.astropa.unipa.it/
- Info technical informations in english (old project 2008; free software obtain automatically XO-3b transit light curve and other): www.crabnebula.it/web/080227.htm
- <http://exoplanet.eu/>
- <http://fsalvaggio.blogspot.com/>
- Info extrasolar planet transit of Czech Astronomical society: <http://var2.astro.cz/ETD/index.php>
- AAVSO extrasolar observing: www.aavso.org/observing/programs/ccd/transitsearch.shtml
- Bruce Gary tutorial: http://brucegary.net/tutorial_exoplanet/
- Italian webzine L'ASTROFILO: www.astropublishing.com/
- SKYLIVE Project (english): www.skylive.it/skylive-new/index.php?lan=en

Promotori del progetto TERRE DEL CIELO

