J/PASP/129/F4401 HAT-P-3b and TrES-3b light curves and Mid-times (Ricci+, 2017)

Multi-filter transit observations of HAT-P-3b and TrES-3b with multiple
northern hemisphere telescopes.

Ricci D., Sada P.V., Navarro-Meza S., Lopez-Valdivia R., Michel R.,
Fox Machado L., Ramon-Fox F.G., Ayala-Loera C., Brown Sevilla S.,
Reyes-Ruiz M., La Camera A., Righi C., Cabona L., Tosi S., Truant N.,
Peterson S.W., Prieto-Arranz J., Velasco S., Palle E., H.Deeg.

<Publ. Astron. Soc. Pac. 129, 064401 (2017)>
=2017PASP..129f4401R (SIMBAD/NED BibCode)

ADC_Keywords: Stars, double and multiple ; Planets ; Photometry

Keywords: exoplanets: general - techniques: photometric

Abstract:
We present photometric light curves of the transiting extrasolar
planets HAT-P-3b and TrES-3b obtained with multiple northern
hemisphere telescope using the defocused photometry technique. We also
present calculated Mid-times for all light curves.

Description:
Tables contain the light curves and the calculated Mid-times.

Objects:

RA (2000)	DE	Designation(s)
13 44 22.59	+48 01 43.2	HAT-P-3b = HAT-P-3b
17 52 07.02	+37 32 46.2	TrES-3b = NAME TrES-3b

File Summary:

FileName	Lrecl	Records	Explanations
ReadMe	80	.	This file
hatp3bmt.dat	73	14	HAT-P-3b Mid-times
tres3bmt.dat	73	28	TrES-3b Mid-times
hatp3bb.dat	53	244	HAT-P-3b Light curve, B filter
hatp3bi.dat	53	130	HAT-P-3b Light curve, I filter
hatp3bic.dat	53	107	HAT-P-3b Light curve, Ic filter
hatp3bjh.dat	53	132	HAT-P-3b Light curve, JH filter
hatp3br.dat	53	118	HAT-P-3b Light curve, R filter
hatp3bv.dat	53	198	HAT-P-3b Light curve, V filter
hatp3bz.dat	53	186	HAT-P-3b Light curve, z filter
tres3bi.dat	53	77	TrES-3b Light curve, I filter
tres3bic.dat	53	78	TrES-3b Light curve, Ic filter
tres3br.dat	53	82	TrES-3b Light curve, R filter
tres3brc.dat	53	78	TrES-3b Light curve, Rc filter
tres3bv.dat	53	74	TrES-3b Light curve, V filter
tres3bz.dat	53	71	TrES-3b Light curve, z filter

See also:
J/AJ/136/267 : Six occultations of the exoplanet TrES-3 (Winn+, 2008)
J/AJ/145/68 : Five new transit light curves of TrES-3 (Jiang+, 2013)
J/ApJ/691/1145 : Spectrophotometry of TrES-3 and TrES-4 (Sozzetti+, 2009)
J/MNRAS/408/1494 : Planetary transits of TrES-2 and TrES-3 (Colon+, 2010)
J/AJ/141/179 : Transits of TrES-4b, HAT-P-3b and WASP-12b (Chan+, 2011)

Byte-by-byte Description of file: hatp3bmt.dat tres3bmt.dat

Bytes	Format	Units	Label	Explanations
1- 13	F13.5	d	Tmid	Mid-time in BJD_TBD
15- 21	F7.5	d	e_Tmid	Mid-time error
23- 26	I4	---	Nper	Number of periods since reference Tmid
28	I1	---	Label	Custom label number associated to telescopes
30- 37	A8	---	Tel	Telescope name
39- 48	A10	"date"	Date	UT date
50- 51	A2	---	Filt	[B I Ic JH R Rc V z] Filter used for observation
53- 60	A8	---	Object	Object name
62- 73	A12	---	FileName	Name of the file with photometry

Byte-by-byte Description of file: *3b?.dat *3b?[ch].dat

Bytes	Format	Units	Label	Explanations

```
   1- 11  F11.8 ---     Phase     Phase of the transit
  13- 22  F10.8 ---     Flux      Normalized flux
  24- 33  F10.8 ---     Model     Model
  35- 45  F11.8 ---     Res       Residuals
  47- 53  F7.5  ---     e_Flux    Flux error
```

Acknowledgements:
Davide Ricci, davide.ricci82(at)gmail.com

(End) Patricia Vannier [CDS] 05-Apr-2017

The document above follows the rules of the Standard Description for Astronomical Catalogues; from this documentation it is possible to generate f77 program to load files into arrays or line by line