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Title	VizieR Online Data Catalog: HAT-P-3b and TrES-3b light curves and Mid-times (Ricci+, 2017)
Authors	RICCI, DAVIDE; Sada, P. V.; Navarro-Meza, S.; Lopez-Valdivia, R.; Michel, R.; et al.
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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
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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](mailto:davide.ricci82@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](#)

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