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J/PASP/127/143 WASP-39b and WASP-43b light curves (Ricci+, 2015)

Multifilter transit observations of WASP-39b and WASP-43b with Three San Pedro Martir Telescopes.

Ricci D., Ramon-Fox F.G., Ayala-Loera C., Michel R., Navarro-Meza S., Brown Sevilla S., Curiel S., Fox Machado L., Reyes-Ruiz M.
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[=2015PASP..127..143R](#)

ADC_Keywords: Stars, double and multiple ; Photometry

Keywords: exoplanets: general - techniques: photometric

Abstract:

We present photometric light-curves of the transiting extrasolar planets WASP-39b and WASP-43b obtained with three San Pedro Martir telescopes by using the defocused photometry technique.

Description:

The instrument comes with a set of standard UBVRI Johnson filters among others. We present observations carried out using the VRI filters.

Light curves of WASP-39b were obtained with the 0.84m telescope in R and I bands and with the 2.12m telescope in the U band.

Light curves of WASP-43b were obtained with the 0.84m telescope in VRI bands and with the 1.50m telescope in the Gunn-i band.

Objects:

```
-----
   RA   (2000)  DE      Designation(s)
-----
  14 29 18.43 -03 26 40.20  WASP-39b = WASP-39b
  10 19 38.01 -09 48 21.90  WASP-43b = WASP-43b
-----
```

File Summary:

FileName	Lrecl	Records	Explanations
ReadMe	80	.	This file
list.dat	54	10	List of light curve files
lc/*	52	10	Individual light curves

See also:

[J/A+A/563/A40](#) : WASP-43b g'r'i'z'JHK light curves (Chen+, 2014)
[J/A+A/563/A41](#) : WASP-43 OSIRIS transmission spectroscopy (Murgas+, 2014)
[J/A+A/542/A4](#) : WASP-43b thirty eclipses (Gillon+, 2012)

Byte-by-byte Description of file: [list.dat](#)

Bytes	Format	Units	Label	Explanations
1- 8	A8	---	Name	Planet name
10- 19	A10	---	"date"	Obs.Date Observation date
21	A1	---	Filt	[UVRIi] Filter
24- 54	A31	---	FileName	Name of light curve file in "lc" subdirectory

Byte-by-byte Description of file: [lc/*](#)

Bytes	Format	Units	Label	Explanations
1- 11	F11.8	d	Phase	[0.15/0.15] Days from Tmid
13- 22	F10.8	---	Flux	[0.963/1.013] Corrected flux
24- 33	F10.8	---	Fluxraw	[0.963/1.013] Raw flux
35- 50	F16.8	d	BJD	Barycentric Julian Date
52	A1	---	Filt	[UVRIi] Filter

Acknowledgements:

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(End)

Patricia Vannier [CDS] 04-Feb-2015

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