

Release Notes:

Date: Nov. 5th, 2019

Observed field: 41-CMaPup-II-2018

Observing Satellites: BHr

QCT team: Bert Pablo, Andrzej Pigulski

RK - Rainer Kuschnig (Satellite Operation Center),

APo - Adam Popowicz (reductions).

Satellites: BAb - BRITE-Austria, UBr - UniBRITE, BTr - BRITE-Toronto,

BLb - Lem, BHr - Heweliusz.

#### GENERAL NOTES:

We refer to time in JD not HJD and we use truncated JD (TJD) = JD - 2457000.0.

That's because JD is the same for all stars (HJD is not).

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#### NOTES ON SATELLITES/SETUPS:

BHr: Nothing unusual. In one star (HD 68980) the offset between BHr1 and the remaining setups is large. For some stars the number of outliers is large. The data are - in general - of good quality.

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#### Individual Stars:

The nine columns following star name denote:

- (1) satellite
- (2) setup,
- (3) data points after reduction
- (4) original number of frames,
- (5) (in per cent)
- (6) ROIxpos
- (7) ROIypos
- (8) ROIxsiz
- (9) ROIysiz

#### Individual Stars:

STAR: HD 47670 (nu Pup)

BHr setup1 3048 4463 68.3 3254 123 53 32

BHr setup2 20138 26654 75.6 3254 129 53 32  
BHr setup3 15129 28276 53.5 3254 129 53 32

COMMENTS FOR USERS:

BHr: Ok, large number of outliers, small offsets between setups.

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STAR: HD 50013 (kappa CMa)

BHr setup1 2846 4463 63.8 1818 254 48 28  
BHr setup2 19595 26654 73.5 1818 254 48 28  
BHr setup3 14728 28276 52.1 1818 254 48 28

COMMENTS FOR USERS:

BHr: Ok, large number of outliers, small offsets between setups.

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STAR: HD 52089 (epsilon CMa)

BHr setup1 2722 4463 61.0 1319 481 48 28  
BHr setup2 19064 26654 71.5 1319 481 48 28  
BHr setup3 14452 28276 51.1 1319 481 48 28

COMMENTS FOR USERS:

BHr: Long term trend. Higher scatter from 1480-1510.

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STAR: HD 52877 (sigma CMa)

BHr setup1 2798 4463 62.7 1173 564 48 28  
BHr setup2 19433 26654 72.9 1173 564 48 28  
BHr setup3 14646 28276 51.8 1173 564 48 28

COMMENTS FOR USERS:

BHr: OK.

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STAR: HD 53138 (omikron<sup>2</sup> CMa)

BHr setup1 2804 4463 62.8 628 585 48 28  
BHr setup2 19645 26654 73.7 625 585 48 28  
BHr setup3 14719 28276 52.1 625 585 48 28

COMMENTS FOR USERS:

BHr: OK.

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STAR: HD 54605 (delta CMa)

BHr setup1	2790	4463	62.5	956	759	48	28
BHr setup2	19421	26654	72.9	956	759	48	28
BHr setup3	14629	28276	51.7	956	759	48	28

COMMENTS FOR USERS:

BHr: OK.

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STAR: HD 56014 (EW CMa)

BHr setup1	3026	4463	67.8	942	939	48	28
BHr setup2	20841	26654	78.2	942	939	48	28
BHr setup3	15612	28276	55.2	942	939	48	28

COMMENTS FOR USERS:

BHr: Ok, large number of outliers.

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STAR: HD 56139 (omega CMa)

BHr setup1	2901	4463	65.0	1001	956	48	28
BHr setup2	19838	26654	74.4	1001	956	48	28
BHr setup3	14909	28276	52.7	1001	956	48	28

COMMENTS FOR USERS:

BHr: Ok.

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STAR: HD 56855 (pi Pup)

BHr setup1	2800	4463	62.7	2408	1047	48	28
BHr setup2	19544	26654	73.3	2408	1047	48	28
BHr setup3	14649	28276	51.8	2408	1047	48	28

COMMENTS FOR USERS:

BHr: Longt erm trend. Higher scatter from 1480-1510.

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STAR: HD 57060 (UW CMa)

BHr setup1	2766	4463	62.0	702	1071	48	28
BHr setup2	19046	26654	71.5	702	1071	48	28
BHr setup3	14307	28276	50.6	702	1071	48	28

COMMENTS FOR USERS:

BHr: Ok.

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STAR: HD 57061 (tau CMa)

BHr setup1	2933	4463	65.7	754	1072	48	28
BHr setup2	20703	26654	77.7	754	1072	48	28
BHr setup3	15648	28276	55.3	754	1072	48	28

COMMENTS FOR USERS:

BHr: Large number of outliers - partly due to incorrect position of a star in subrastrer.  
The outliers can be eliminated by cuts in smearing parameter.

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STAR: HD 58350 (eta CMa)

BHr setup1	2739	4463	61.4	1344	1242	48	28
BHr setup2	19301	26654	72.4	1344	1242	48	28
BHr setup3	14580	28276	51.6	1344	1242	48	28

COMMENTS FOR USERS:

BHr: Ok.

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STAR: HD 59717 (sigma Pup)

BHr setup1	2834	4463	63.5	3251	1361	48	28
BHr setup2	19588	26654	73.5	3251	1365	48	28
BHr setup3	14702	28276	52.0	3251	1365	48	28

COMMENTS FOR USERS:

BHr: Ok.

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STAR: HD 62623 (l Pup)

BHr setup2	20485	26654	76.9	1310	1827	48	28
BHr setup3	15404	28276	54.5	1310	1827	48	28

COMMENTS FOR USERS:

BHr: Ok.

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STAR: HD 63032 (c Pup)

BHr setup2	19424	26654	72.9	2540	1805	48	28
BHr setup3	14654	28276	51.8	2540	1805	48	28

COMMENTS FOR USERS:

BHr: Ok.

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STAR: HD 63700 ( $\xi$  Pup)

BHr setup1	2804	4463	62.8	766	2015	48	28
BHr setup2	19506	26654	73.2	768	2015	48	28
BHr setup3	14754	28276	52.2	768	2015	48	28

COMMENTS FOR USERS:

BHr: Ok.

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STAR: HD 64440 (a Pup)

BHr setup2 19543 26654 73.3 2906 1966 48 28

BHr setup3 14710 28276 52.0 2906 1966 48 28

COMMENTS FOR USERS:

BHr: Ok.

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STAR: HD 65456 ( $\chi$  Pup)

BHr setup1 2991 4463 67.0 1524 2224 48 28

COMMENTS FOR USERS:

BHr: Ok.

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STAR: HD 66811 ( $\zeta$  Pup)

BHr setup1 2787 4463 62.4 2854 2263 48 28

BHr setup2 19168 26654 71.9 2854 2267 48 28

BHr setup3 14534 28276 51.4 2854 2267 48 28

COMMENTS FOR USERS:

BHr: Ok.

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STAR: HD 67523 ( $\rho$  Pup)

BHr setup1 3011 4463 67.5 781 2533 54 36

BHr setup2 20543 26654 77.1 777 2537 56 36

BHr setup3 15383 28276 54.4 777 2537 56 36

COMMENTS FOR USERS:

BHr: Large offset between BHr1 and the other two. Many outliers.

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STAR: HD 68980 (r Pup)

BHr setup1 3013 4463 67.5 2386 2601 48 28

COMMENTS FOR USERS:

BHr: Ok.

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