

Release Notes:

Date: Feb. 26th, 2018

Field: 29-LacCyg-I-2017

General Notes:

Abbreviations: QCT: Quality Control Team (led by Bert Pablo),

RK - Rainer Kuschnig (Satellite Operation Center),

APo - Adam Popowicz (reductions).

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

BLb - Lem, BHr - Heweliusz.

Observing Telescopes:BTr

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).

Setup Notes:

BTr: Large number of outliers largely due to poor pointing performance. They are likely the result of the smearing because they correlate very well with the smearing parameters. The data may look strange at first look, but decorrelations work well.

BTr1:

BTr2:

BTr3:

BTr4:

BTr5:

BTr6:

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
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STAR: HD 195068 (43 Cyg)

BTr setup1	1489	2409	61.8	299	1482	48	28
BTr setup2	1969	2989	65.9	289	1480	48	28
BTr setup3	2525	3374	74.8	289	1480	48	28
BTr setup4	4311	5782	74.6	289	1480	48	28
BTr setup5	36531	41625	87.8	289	1480	48	28
BTr setup6	23226	50139	46.3	289	1480	48	28

COMMENTS FOR USERS:

BTr: OK.

STAR: HD 197511 (51 Cyg)

BTr setup1	1476	2409	61.3	602	1530	48	28
BTr setup2	1798	2989	60.2	592	1525	48	28
BTr setup3	2442	3374	72.4	592	1525	48	28
BTr setup4	4282	5782	74.1	592	1525	48	28
BTr setup5	36863	41625	88.6	592	1525	48	28
BTr setup6	22999	50139	45.9	592	1525	48	28

COMMENTS FOR USERS:

BTr: OK.

STAR: HD 198478 (55 Cyg)

BTr setup1	1461	2409	60.6	629	956	48	28
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COMMENTS FOR USERS:

BTr: OK.

STAR: HD 198639 (56 Cyg)

BTr setup1	1577	2409	65.5	614	687	48	28
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BTr setup5 36868 41625 88.6 609 690 48 28

COMMENTS FOR USERS:

BTr: OK.

STAR: HD 199081 (57 Cyg)

BTr setup1	1398	2409	58.0	689	713	48	28
BTr setup2	1672	2989	55.9	679	713	48	28
BTr setup3	2362	3374	70.0	679	713	48	28
BTr setup4	4174	5782	72.2	679	713	48	28
BTr setup5	36803	41625	88.4	679	713	48	28
BTr setup6	24150	50139	48.2	679	713	48	28

COMMENTS FOR USERS:

BTr: Last part of BTr6 corrupted due to shift in position close to the edge of the subraster. Do not use data taken after 2458098.973.

STAR: HD 200310 (60 Cyg)

BTr setup1	1549	2409	64.3	891	904	48	28
BTr setup2	1808	2989	60.5	881	904	48	28
BTr setup3	2445	3374	72.5	881	904	48	28
BTr setup4	4233	5782	73.2	881	904	48	28
BTr setup5	36781	41625	88.4	881	904	48	28
BTr setup6	22947	50139	45.8	881	904	48	28

COMMENTS FOR USERS:

BTr: Small offsets between setups.

STAR: HD 203064 (68 Cyg)

BTr setup1	1567	2409	65.0	1252	561	48	28
BTr setup2	1865	2989	62.4	1247	561	48	28
BTr setup3	2493	3374	73.9	1247	561	48	28
BTr setup4	4336	5782	75.0	1247	561	48	28
BTr setup5	36936	41625	88.7	1247	561	48	28

COMMENTS FOR USERS:

BTr: OK

STAR: HD 207330 (π^2 Cyg)

BTr setup1	1596	2409	66.3	1934	1238	48	28
BTr setup2	1878	2989	62.8	1924	1238	48	28
BTr setup3	2480	3374	73.5	1924	1238	48	28
BTr setup4	4288	5782	74.2	1924	1238	48	28

BTr setup5	36840	41625	88.5	1924	1238	48	28
BTr setup6	23346	50139	46.6	1924	1238	48	28

COMMENTS FOR USERS:

BTr: Small offsets between setups.

STAR: HD 210745 (zeta Cep)

BTr setup1	1281	2409	53.2	2363	2430	48	28
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COMMENTS FOR USERS:

BTr: Very short, single setup.

STAR: HD 210839 (lambda Cep)

BTr setup1	1381	2409	57.3	2358	2583	48	28
BTr setup2	1766	2989	59.1	2348	2585	48	28
BTr setup3	2431	3374	72.1	2348	2585	48	28
BTr setup4	4248	5782	73.5	2348	2585	48	28
BTr setup5	36852	41625	88.5	2348	2585	48	28
BTr setup6	23047	50139	46.0	2348	2585	48	28

COMMENTS FOR USERS:

BTr: Small offsets between setups. Slight difference in flux level between chopping positions.

STAR: HD 211336 (epsilon Cep)

BTr setup1	1196	2409	49.6	2451	2288	48	28
BTr setup2	1370	2989	45.8	2441	2288	48	28
BTr setup3	1869	3374	55.4	2441	2288	48	28
BTr setup4	3915	5782	67.7	2441	2288	48	28
BTr setup5	34793	41625	83.6	2441	2288	48	28
BTr setup6	22013	50139	43.9	2441	2288	48	28

COMMENTS FOR USERS:

BTr: OK.

STAR: HD 212593 (4 Lac)

BTr setup1	1478	2409	61.4	2753	1309	48	28
BTr setup2	1707	2989	57.1	2743	1302	48	28
BTr setup3	285	3374	8.4	0	1309	48	28
BTr setup4	285	5782	4.9	0	1309	48	28
BTr setup5	36509	41625	87.7	2747	1306	48	28
BTr setup6	23380	50139	46.6	2747	1306	48	28

COMMENTS FOR USERS:

BTr: There is no star visible for setup3 and setup4 and data from these setups should not be used.

STAR: HD 213306 (delta Cep)

BTr setup1	1097	2409	45.5	2674	2483	48	28
BTr setup2	1313	2989	43.9	2664	2483	48	28
BTr setup3	1821	3374	54.0	2664	2483	48	28
BTr setup4	3860	5782	66.8	2664	2483	48	28
BTr setup5	34193	41625	82.1	2664	2483	48	28
BTr setup6	21482	50139	42.8	2664	2483	48	28

COMMENTS FOR USERS:

BTr: OK.

STAR: HD 213420 (6 Lac)

BTr setup5	36303	41625	87.2	2976	493	48	28
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COMMENTS FOR USERS:

BTr: OK.

STAR: HD 214168 (8 Lac)

BTr setup1	1443	2409	59.9	3140	92	48	28
BTr setup2	1682	2989	56.3	3140	92	48	28
BTr setup3	2366	3374	70.1	3140	92	48	28
BTr setup4	4181	5782	72.3	3140	92	48	28
BTr setup5	36774	41625	88.3	3140	92	48	28

COMMENTS FOR USERS:

BTr: OK.

STAR: HD 214680 (10 Lac)

BTr setup1	1382	2409	57.4	3221	44	48	28
BTr setup2	1625	2989	54.4	3221	44	48	28
BTr setup3	2327	3374	69.0	3221	44	48	28
BTr setup4	4090	5782	70.7	3221	44	48	28
BTr setup5	36703	41625	88.2	3221	44	48	28

COMMENTS FOR USERS:

BTr: Small offsets between setups.

STAR: HD 214993 (12 Lac)

BTr setup1	1498	2409	62.2	3263	191	48	28
BTr setup2	1714	2989	57.3	3263	191	48	28

BTr setup3	2384	3374	70.7	3263	191	48	28
BTr setup4	4194	5782	72.5	3263	191	48	28
BTr setup5	36766	41625	88.3	3263	191	48	28
BTr setup6	24638	50139	49.1	3263	191	48	28

COMMENTS FOR USERS:

BTr: Last part of BTr6 corrupted due to shift in position close to the edge of the subraster. Do not use data taken after 2458098.973.

STAR: HD 215664

BTr setup1	1605	2409	66.6	3307	745	48	28
BTr setup2	1819	2989	60.9	3302	745	48	28
BTr setup5	36835	41625	88.5	3305	744	48	28

COMMENTS FOR USERS:

BTr: Second part of BTr5 much worse than the first part.

STAR: HD 216916 (16 Lac)

BTr setup1	1474	2409	61.2	3566	445	48	28
BTr setup2	1712	2989	57.3	3561	447	48	28
BTr setup3	2373	3374	70.3	3561	447	48	28
BTr setup4	4151	5782	71.8	3561	447	48	28
BTr setup5	36726	41625	88.2	3561	447	48	28
BTr setup6	23216	50139	46.3	3561	447	48	28

COMMENTS FOR USERS:

BTr: Small offsets between setups.

STAR: HD 217675 (o And)

BTr setup1	1297	2409	53.8	3664	568	48	28
BTr setup2	1459	2989	48.8	3664	568	48	28
BTr setup3	2071	3374	61.4	3664	568	48	28
BTr setup4	4024	5782	69.6	3664	568	48	28
BTr setup5	35835	41625	86.1	3664	568	48	28
BTr setup6	22982	50139	45.8	3664	568	48	28

COMMENTS FOR USERS:

BTr: Small offsets between setups. Smearing effects are much smaller for this star (in comparison with the others).
