

Release Notes:

Date: Dec. 19th, 2018

Observed field: 27-Sgr-III-2017

Observing Telescopes: BAb, BLb, BHr, UBr

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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).

The five 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

NOTES ON SATELLITES/SETUPS:

BAb: Data are OK, but much noisier than for other satellites for most stars.

BHr: OK.

BLb: There is a period of (very) noisy data in BLb3 (1035.05 - 1038.05) for some stars.

Some stars affected by Moon effect in BLb data (esp. phi Sgr and sigma Sgr).

UBr: There is a short period of bad data in UBr1 (896.5 - 897.8) for some stars.

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

STAR: HD 155203 (eta Sco)

BAb setup1 45900 57786 79.7 712 2240 48 32

COMMENTS FOR USERS:

BAb: OK, but noisy.

STAR: HD 157056 (theta Oph)

BAb setup1 46048 57786 79.7 3070 2238 48 32

BHr setup1 1553 1658 93.7 967 195 44 24

BHr setup2 4965 5619 88.4 961 193 44 24

UBr setup1 7799 9296 83.9 1036 194 48 28

UBr setup2 7229 8820 82.0 1036 194 48 28

COMMENTS FOR USERS:

BAb: OK, but noisy.

BHr: OK.

UBr: OK.

STAR: HD 157792 (44 b Oph)

BAb setup1 44560 57786 77.1 3185 2113 48 32

BHr setup1 1549 1658 93.4 836 323 48 28

BHr setup2 4967 5619 88.4 836 318 48 28

COMMENTS FOR USERS:

BAb: OK, but noisy.

BHr: OK.

STAR: HD 157919 (45 d Oph)

BAb setup1 43984 57786 76.1 2463 2057 48 32

BHr setup1 1553 1658 93.7 1610 390 48 28

BHr setup2 4962 5619 88.3 1606 390 48 28

COMMENTS FOR USERS:

BAb: OK, but noisy.
BHr: OK.

STAR: HD 158408 (upsilon Sco)

BAb setup1	45869	57786	79.4	1475	1896	48	32
BHr setup1	1549	1658	93.4	2615	551	44	24
BHr setup2	4967	5619	88.4	2611	551	44	24
BLb setup1	28035	28243	99.3	3225	293	48	28
BLb setup2	14842	16884	87.9	3225	293	48	28
BLb setup3	51017	53412	95.5	3221	303	48	28
UBr setup1	7794	9296	83.8	2630	533	48	28
UBr setup2	7240	8820	82.1	2630	533	48	28

COMMENTS FOR USERS:

BAb: OK, but noisy.
BHr: OK.
BLb: A period of very noisy data in BLb3 (1035.05 - 1038.05)
UBr: OK.

STAR: HD 158643 (51 c Oph)

BLb setup1	28033	28243	99.3	1513	118	48	28
BLb setup2	14842	16884	87.9	1513	118	48	28
BLb setup3	49768	53412	93.2	1513	124	48	28
UBr setup1	7780	9296	83.7	877	459	48	28

COMMENTS FOR USERS:

BLb: Large offset (~0.6 mag) between BLb1 and the other two BLb setups.
UBr: OK.

STAR: HD 158926 (Lambda Sco)

BAb setup1	46115	57786	79.8	1505	1823	48	32
BHr setup1	1548	1658	93.4	2586	628	44	24
BHr setup2	4969	5619	88.4	2582	626	44	24
BLb setup1	28026	28243	99.2	3203	357	48	28
BLb setup2	14800	16884	87.7	3203	357	48	28
BLb setup3	50942	53412	95.4	3199	363	48	28
UBr setup1	7807	9296	84.0	2600	606	48	28
UBr setup2	7234	8820	82.0	2600	606	48	28

COMMENTS FOR USERS:

BAb: OK, but noisy.

BHr: OK.

BLb: A period of very noisy data in BLb3 (1035.05 - 1038.05)

UBr: OK.

STAR: HD 159532 (theta Sco)

BAb setup1	46035	57786	79.7	754	1672	48	32
BHr setup1	1549	1658	93.4	3377	771	44	24
BHr setup2	4970	5619	88.4	3375	769	44	24
UBr setup1	7755	9296	83.4	3349	759	48	28
UBr setup2	7231	8820	82.0	3349	759	48	28

COMMENTS FOR USERS:

BAb: OK, but noisy.

BHr: OK.

UBr: OK.

STAR: HD 159876 (xi Ser)

BLb setup1	5753	28243	20.4	489	312	48	28
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COMMENTS FOR USERS:

BLb: OK.

STAR: HD 160578 (kappa Sco)

BAb setup1	45833	57786	79.3	1259	1574	48	32
BHr setup1	1547	1658	93.3	2838	879	44	24
BHr setup2	4968	5619	88.4	2834	876	44	24
BLb setup1	28038	28243	99.3	3422	608	48	28
BLb setup2	14844	16884	87.9	3422	608	48	28
BLb setup3	51025	53412	95.5	3414	612	48	28
UBr setup1	7791	9296	83.8	2847	854	48	28
UBr setup2	7237	8820	82.1	2847	854	48	28

COMMENTS FOR USERS:

BAb: OK.

BHr: OK.

BLb: A period of noisy data in BLb3 (1035.05 - 1038.05)

UBr: OK.

QUESTIONS/REQUESTS ADDRESSED TO APo/RK:

STAR: HD 161471 (iota^1 Sco)

BAb setup1	46197	57786	79.9	1121	1437	48	32
BHr setup1	1549	1658	93.4	2985	1018	44	24
BHr setup2	4969	5619	88.4	2981	1014	44	24
BLb setup1	28038	28243	99.3	3542	749	48	28
BLb setup2	14847	16884	87.9	3542	749	48	28
BLb setup3	51078	53412	95.6	3538	753	48	28
UBr setup1	7793	9296	83.8	2987	990	48	28
UBr setup2	7248	8820	82.2	2987	990	48	28

COMMENTS FOR USERS:

BAb: OK.

BHr: OK.

BLb: A period of noisy data in BLb3 (1035.05 - 1038.05)

UBr: Offset between setups, a short period of bad data in UBr1 (896.5 - 897.8)

STAR: HD 161592 (X Sgr)

BHr setup1	1550	1658	93.5	1310	983	44	24
BHr setup2	4969	5619	88.4	1305	983	44	24
UBr setup1	7797	9296	83.9	1345	944	48	28
UBr setup2	7220	8820	81.9	1345	944	48	28

COMMENTS FOR USERS:

BHr: OK.

UBr: A short period of bad data in UBr1 (896.5 - 897.8)

STAR: HD 161840

BLb setup1	28033	28243	99.3	2505	689	48	28
BLb setup2	14837	16884	87.9	2505	689	48	28
BLb setup3	49791	53412	93.2	2501	694	48	28

COMMENTS FOR USERS:

BLb: OK.

STAR: HD 161892 (G Sco)

BHr setup1	1551	1658	93.5	2562	1069	44	24
BHr setup2	4968	5619	88.4	2558	1069	44	24

COMMENTS FOR USERS:

BHr: OK.

STAR: HD 161912 (iota² Sco)

UBr setup1 7501 9296 80.7 2982 1053 48 28

COMMENTS FOR USERS:

UBr: A short period of bad data in UBr1 (896.5 - 897.8)

STAR: HD 163955 (4 Sgr)

BLb setup1 27938 28243 98.9 1432 960 48 28

COMMENTS FOR USERS:

BLb: Two double "outbursts" due to Moon effect. The outbursts are separated by ~2.5 d.

STAR: HD 164975 (gamma¹ Sgr)

BHr setup1 1548 1658 93.4 1551 1502 44 24

BHr setup2 4961 5619 88.3 1546 1502 44 24

UBr setup1 7784 9296 83.7 1580 1458 48 28

UBr setup2 7211 8820 81.8 1580 1458 48 28

COMMENTS FOR USERS:

BHr: OK.

UBr: A short period of bad data in UBr1 (896.5 - 897.8)

STAR: HD 165135 (gamma² Sgr)

BHr setup1 1552 1658 93.6 1665 1525 44 24

BHr setup2 4966 5619 88.4 1660 1525 44 24

COMMENTS FOR USERS:

BHr: OK.

STAR: HD 165634

UBr setup1 7661 9296 82.4 1433 1550 48 28

COMMENTS FOR USERS:

UBr: A short period of bad data in UBr1 (896.5 - 897.8)

STAR: HD 166937 (mu Sgr)

BAb setup1	45936	57786	79.5	3570	714	48	32
BLb setup1	28033	28243	99.3	1063	1389	48	28
BLb setup2	14841	16884	87.9	1063	1389	48	28
BLb setup3	49844	53412	93.3	1063	1395	48	28
UBr setup1	7419	9296	79.8		499	1737	48 28
UBr setup2	7242	8820	82.1		499	1737	48 28

COMMENTS FOR USERS:

BAb: OK, but noisy, esp. after 997.

BLb: First part of BLb1 with large number of outliers. Moon effect in BLb2 and BLb3.

Last part of BLb3 again with many outliers.

UBr: OK.

STAR: HD 167618 (eta Sgr)

BHr setup1	1554	1658	93.7		2540	1827	44 24
BHr setup2	4968	5619	88.4		2536	1825	44 24
UBr setup1	7749	9296	83.4		2553	1779	48 28

COMMENTS FOR USERS:

BHr: OK.

UBr: A short period of bad data in UBr1 (896.5 - 897.8)

STAR: HD 168454 (delta Sgr)

UBr setup1	7757	9296	83.4		1625	1923	48 28
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COMMENTS FOR USERS:

UBr: A short period of bad data in UBr1 (896.5 - 897.8)

STAR: HD 169022 (epsilon Sgr)

BAb setup1	46061	57786	79.7		1868	449	48 32
BHr setup1	1555	1658	93.8		2227	2029	44 24
BHr setup2	4972	5619	88.5		2223	2025	44 24

COMMENTS FOR USERS:

BAb: OK, but noisy.

BHr: Ok, offset between setups.

STAR: HD 169467 (alpha Tel)

BAb setup1	46416	57786	80.3	445	552	48	32
UBr setup1	7810	9296	84.0	3700	1892	48	28

COMMENTS FOR USERS:

BAb: OK, but noisy.

UBr: A short period of bad data in UBr1 (896.5 - 897.8)

STAR: HD 169916 (lambda Sgr)

UBr setup1	7560	9296	81.3	1065	2153	48	28
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COMMENTS FOR USERS:

UBr: A short period of bad data in UBr1 (896.5 - 897.8)

STAR: HD 172910

BHr setup1	1557	1658	93.9	2450	2568	48	28
BHr setup2	4974	5619	88.5	2444	2568	48	28
BLb setup1	28034	28243	99.3	3013	2196	48	28
BLb setup2	14839	16884	87.9	3013	2196	48	28
BLb setup3	50893	53412	95.3	3013	2201	48	28
UBr setup2	7192	8820	81.5	2457	2492	48	28

COMMENTS FOR USERS:

BHr: OK.

BLb: A period of noisy data in BLb3 (1035.05 - 1038.05)

UBr: OK.

STAR: HD 173300 (phi Sgr)

BLb setup1	28034	28243	99.3	1886	2330	48	28
BLb setup2	14840	16884	87.9	1886	2330	48	28
BLb setup3	49891	53412	93.4	1886	2335	48	28
UBr setup1	7430	9296	79.9	1329	2639	48	28

COMMENTS FOR USERS:

BLb: Very strong Moon effect seen during all 7 passages covered by the data.

increase of magnitude at ~1027 is likely instrumental, because it can be seen also in sigma

Sgr.

UBr: OK.

STAR: HD 175191 (sigma Sgr)

BLb setup1	28037	28243	99.3	1817	2602	48	28
BLb setup2	14845	16884	87.9	1817	2602	48	28
BLb setup3	51012	53412	95.5	1817	2607	48	28

COMMENTS FOR USERS:

BLb: Strong Moon effect seen during all 7 passages covered by the data.

increase of magnitude at ~1027 is likely instrumental, because it can be seen also in phi Sgr.
