

Release Notes:

Date: June 21st, 2020

Observed field: 48-OriTau-II-2019

Observing Satellites: BTr, BLb

QCT team: Bert Pablo, Andrzej Pigulski

RK - Rainer Kuschnig (Satellite Operation Center),

APo - Adam Popowicz (reductions).

Satellites: BLb - 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).

NOTES ON SATELLITES/SETUPS:

BTr: Large scatter for some stars, but that's because exp. time was short (0.2 s). Moon effect for some stars.

BLb: No issues, Moon effect for many 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) ROlypos
- (8) ROIxsiz
- (9) ROlysiz

STAR: HD 27934 (Kappa¹ Tau)

BLb setup1	24336	26658	91.3	660	1613	48	34
BLb setup2	29782	31484	94.6	660	1613	48	34
BLb setup3	8783	11739	74.8	660	1613	48	34

COMMENTS FOR USERS:

BLb: Strong Moon effect.

STAR: HD 28024 (Upsilon Tau)

BLb setup1	24330	26658	91.3	691	1686	48	28
BLb setup2	29792	31484	94.6	691	1686	48	28
BLb setup3	8786	11739	74.8	691	1686	48	28

COMMENTS FOR USERS:

BLb: Weak Moon effect.

STAR: HD 28052 (V777 Tau)

BLb setup1	24307	26658	91.2	646	754	48	28
BLb setup2	29784	31484	94.6	646	754	48	28
BLb setup3	8790	11739	74.9	646	754	48	28

COMMENTS FOR USERS:

BLb: Strong Moon effect.

STAR: HD 28319 (Theta² Tau)

BLb setup1	24378	26658	91.4	711	780	48	34
BLb setup2	29800	31484	94.7	711	780	48	34
BLb setup3	8811	11739	75.1	711	780	48	34
BTr setup1	24981	33058	75.6	3013	2628	54	28
BTr setup2	24225	32653	74.2	3013	2628	54	28

COMMENTS FOR USERS:

BLb: OK.

BTr: Very large scatter (due to short exp. time = 0.2 s).

STAR: HD 29139 (Alpha Tau)

BLb setup1	24350	26658	91.3	927	840	48	28
BLb setup2	29782	31484	94.6	927	840	48	28
BLb setup3	8798	11739	74.9	927	840	48	28
BTr setup1	24383	33058	73.8	3093	2409	54	28
BTr setup2	23627	32653	72.4	3093	2409	54	28

COMMENTS FOR USERS:

BLb: OK, weak Moon effect.
BTr: OK, weak Moon effect.

STAR: HD 29140 (88 d Tau)
BLb setup1 24371 26658 91.4 931 57 48 28
BLb setup2 29796 31484 94.6 931 57 48 28

COMMENTS FOR USERS:
BLb: OK.

STAR: HD 29763 (Tau Tau)
BLb setup1 24299 26658 91.2 1153 1689 48 28
BLb setup2 29786 31484 94.6 1153 1689 48 28
BLb setup3 8779 11739 74.8 1153 1689 48 28

COMMENTS FOR USERS:
BLb: Strong Moon effect.

STAR: HD 32301 (Iota Tau)
BLb setup1 24313 26658 91.2 1788 1488 48 28
BLb setup2 29793 31484 94.6 1788 1488 48 28
BLb setup3 8802 11739 75.0 1788 1488 48 28

COMMENTS FOR USERS:
BLb: Strong Moon effect.

STAR: HD 32549 (V1032 Ori)
BLb setup1 24321 26658 91.2 1831 661 48 28
BLb setup2 29784 31484 94.6 1831 661 48 28

COMMENTS FOR USERS:
BLb: Strong Moon effect, large scatter at the end of BLb2.

STAR: HD 32990 (103 Tau)
BLb setup1 24292 26658 91.1 1946 1850 48 28
BLb setup2 29784 31484 94.6 1946 1850 48 28
BLb setup3 8781 11739 74.8 1946 1850 48 28

COMMENTS FOR USERS:
BLb: Moderate Moon effect, large scatter at the end of BLb2.

STAR: HD 33111 (Beta Eri)

BTr setup1	23724	33058	71.8	290	1449	54	28
BTr setup2	23062	32653	70.6	290	1449	54	28

COMMENTS FOR USERS:

BTr: Large scatter (due to short exp. time = 0.2 s).

STAR: HD 33276 (15 Ori)

BLb setup1	24323	26658	91.2	1997	688	48	28
BLb setup2	29787	31484	94.6	1997	688	48	28

COMMENTS FOR USERS:

BLb: OK.

STAR: HD 35497 (Beta Tau = Gamma Aur)

BLb setup1	24358	26658	91.4	2475	2414	48	28
BLb setup2	29779	31484	94.6	2475	2414	48	28

COMMENTS FOR USERS:

BLb: OK.

STAR: HD 35708 (114 o Tau)

BLb setup1	24283	26658	91.1	2554	1543	48	28
BLb setup2	29759	31484	94.5	2554	1543	48	28
BLb setup3	8786	11739	74.8	2554	1543	48	28

COMMENTS FOR USERS:

BLb: Strong Moon effect.

STAR: HD 36389 (CE Tau)

BTr setup1	24327	33058	73.6	3338	658	48	28
BTr setup2	23673	32653	72.5	3338	658	48	28

COMMENTS FOR USERS:

BTr: OK.

STAR: HD 36486 (Delta Ori)

BTr setup1	23113	33058	69.9	863	649	54	28
BTr setup2	22694	32653	69.5	863	649	54	28

COMMENTS FOR USERS:

BTr: Large scatter (due to short exp. time = 0.2 s).

STAR: HD 36861 (Lambda Ori)

BTr setup1	23975	33058	72.5	2217	532	54	28
BTr setup2	21433	32653	65.6	2217	532	54	28

COMMENTS FOR USERS:

BTr: Moderate Moon effect.

STAR: HD 37128 (Epsilon Ori)

BTr setup1	24458	33058	74.0	756	519	54	28
BTr setup2	23801	32653	72.9	756	519	54	28

COMMENTS FOR USERS:

BTr: OK.

STAR: HD 37202 (Zeta Tau)

BLb setup1	24320	26658	91.2	2862	1451	48	28
BLb setup2	29766	31484	94.5	2862	1451	48	28
BLb setup3	8826	11739	75.2	2862	1451	48	28
BTr setup1	24377	33058	73.7	3618	520	50	28
BTr setup2	23532	32653	72.1	3618	520	50	28

COMMENTS FOR USERS:

BLb: OK.

BTr: OK.

STAR: HD 37438 (125 Tau)

BLb setup1	24333	26658	91.3	2885	2078	48	28
BLb setup2	29798	31484	94.6	2885	2078	48	28
BLb setup3	8795	11739	74.9	2885	2078	48	28

COMMENTS FOR USERS:

BLb: Large scatter at the end of BLb2.

STAR: HD 37711 (126 Tau)

BLb setup1	24340	26658	91.3	2998	843	48	28
BLb setup2	29806	31484	94.7	2998	843	48	28
BLb setup3	8804	11739	75.0	2998	843	48	28

COMMENTS FOR USERS:
BLb: Moderate Moon effect.

STAR: HD 37742 (Zeta Ori)
BTr setup1 24459 33058 74.0 672 380 54 28
BTr setup2 23823 32653 73.0 672 380 54 28

COMMENTS FOR USERS:
BTr: OK.

STAR: HD 40111 (139 Tau)
BLb setup1 24331 26658 91.3 3374 2093 48 28
BLb setup2 29789 31484 94.6 3374 2093 48 28

COMMENTS FOR USERS:
BLb: OK.
