MONOS: Multiplicity Of Northern O-type Spectroscopic systems

I. Project description and spectral classifications and visual multiplicity of previously known objects

(Corrigendum)

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An inconsistency in the header information of some AstraLux files was detected after the publication of the paper. As a result, the heliocentric Julian date (HJD) of some of the observations was incorrectly listed in Table A.1. The error was half a day at most and it only affects systems with long periods, so the difference is irrelevant for any orbit calculation given the uncertainties involved. Nevertheless, we provide an updated version of Table A.1 with the appropriate corrections.
## Appendix A: Additional figures and tables

### Table A.1. Measurements for visual pairs using our AstraLux lucky images.

| Pair         | Even. date (YMD) | HJD−2.4 · 10^5 | ρ (d) | ϕ (°) | Δϕ (deg) | Δz (mag) | Δζ (mag) | ΔΩ (mag) | ΔY (mag) |
|--------------|------------------|----------------|-------|-------|----------|----------|----------|----------|----------|
| HD 190 967 A,B | 080614           | 54 632 6       | 0.056  | 0.011 | 0.135 2  | 0.016  | ...      | ...      | ...      |
| HD 191 201 A,B | 080920           | 58 382 3       | 0.067  | 0.011 | 0.382 3  | 0.022  | ...      | ...      | ...      |
| HD 194 649 A,B | 081127           | 58 382 3       | 0.399  | 0.004 | 0.55 2  | 0.91  | ...      | ...      | ...      |
| Cyg OB2-21 A,B | 071113           | 54 418 3       | 0.931  | 0.008 | 0.95 2  | 2.75  | 2.96  | 3.06  | 3.06  |
| Cyg OB2-21 A,B | 080920           | 58 382 3       | 0.167  | 0.003 | 0.55 2  | 0.5  | ...      | ...      | ...      |
| Cyg OB2-21 A,B | 081127           | 58 382 3       | 0.167  | 0.003 | 0.55 2  | 0.5  | ...      | ...      | ...      |
| HD 16 429 A,B | 080920           | 58 382 3       | 0.167  | 0.003 | 0.55 2  | 0.5  | ...      | ...      | ...      |
| IU Aur A,B    | 081127           | 58 382 3       | 0.167  | 0.003 | 0.55 2  | 0.5  | ...      | ...      | ...      |

**Notes.** The evening date, heliocentric Julian date (HJD), separation (ρ), position angle (ϕ), and magnitude difference are given in each case. Four different filters were used: SDSS i and z, zn (a narrow filter with a central wavelength similar to that of z), as well as Y.
Table A.1. continued.

| Pair          | Even. date (YYMMDD) | HJD−2.4·10^6 (d) | ρ (") | θ (deg) | Δi (mag) | Δz (mag) | Δzn (mag) | ΔY (mag) |
|---------------|---------------------|------------------|--------|---------|----------|----------|-----------|---------|
| IU Aur A,C    | 181127              | 58 480.485       | 0.131±0.001 | 221.41±4.00 | ...       | 1.82±0.10 | ...       | ...     |
| IU Aur A,D    | 181127              | 58 450.391       | 4.012±0.005 | 162.36±0.08 | ...       | 7.85±0.10 | ...       | ...     |
| 15 Mon Aa,Ab  | 121002              | 56 203.6         | 0.118±0.004 | 260.30±3.80 | ...       | 1.45±0.17 | 1.49±0.01 | ...     |
| 130920        | 56 556.7            | 0.127±0.004     | 259.51±2.62 | ...       | 1.26±0.20 | ...       | ...     |
| 180918        | 58 380.7            | 0.138±0.004     | 268.10±1.00 | ...       | ...       | 1.67±0.10 | ...     |
| 181128        | 58 451.5            | 0.135±0.004     | 268.79±1.00 | ...       | ...       | 1.48±0.06 | ...     |
| 15 Mon Aa,B   | 080117              | 54 483.4         | 2.977±0.003 | 213.58±0.02 | ...       | 3.04±0.02 | ...       | ...     |
| 121002        | 56 203.6            | 2.981±0.003     | 213.75±0.02 | ...       | 3.04±0.02 | 3.02±0.03 | ...     |
| 130920        | 56 556.7            | 2.985±0.003     | 213.88±0.05 | ...       | 2.97±0.10 | ...       | ...     |
| 180918        | 58 380.7            | 3.001±0.007     | 214.02±0.02 | ...       | ...       | 3.15±0.10 | ...     |
| 181128        | 58 451.5            | 2.991±0.003     | 213.94±0.04 | ...       | ...       | 2.99±0.02 | ...     |
| HD 52 533 Aa,Ab | 081021            | 54 761.7        | 0.634±0.015 | 269.03±1.34 | ...       | 3.48±0.12 | ...       | ...     |
| HD 52 533 Aa,B | 081021            | 54 761.7        | 2.640±0.006 | 187.83±0.19 | ...       | 5.68±0.29 | ...       | ...     |
| HD 52 533 Aa,G | 081021            | 54 761.7        | 2.883±0.018 | 246.86±0.41 | ...       | 8.18±0.43 | ...       | ...     |