**Table 1.** Summary of WiFeS observations of candidate Upper-Scorpius members; the V magnitude provided is either taken from APASS, where available, or interpolated from J and K according to the Kepler K2 instructions.

| R.A. (J2000.0) | Decl. (J2000.0) | MJD | V (mag) | K (mag) | $\mu_\alpha$ (mas) | $\mu_\delta$ (mas) | Source | $P_{mem}$ | T (sec) | SNR | M? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 39 06.96 | -26 46 32.1 | 56462 | 12.5 | 8.7 | -35.3 | -41.7 | a | 31 | 90 | 131 | Y |
| 15 37 42.74 | -25 26 15.8 | 56462 | 13.5 | 9.7 | -14.6 | -26.7 | a | 85 | 90 | 80 | |
| 15 35 32.30 | -25 37 14.1 | 56462 | 11.7 | 8.4 | -9.0 | -22.9 | a | 69 | 90 | 116 | |
| 15 41 31.21 | -25 20 36.3 | 56462 | 10.0 | 7.2 | -16.9 | -28.7 | a | 86 | 90 | 151 | Y |
| 16 02 00.39 | -22 21 23.9 | 56462 | 12.9 | 8.8 | -16.6 | -31.2 | a | 96 | 90 | 95 | Y |
| 16 02 08.45 | -22 54 59.1 | 56462 | 13.6 | 9.6 | -14.6 | -22.8 | a | 97 | 120 | 93 | Y |
| 16 00 42.77 | -21 27 38.0 | 56462 | 12.8 | 8.9 | -11.5 | -25.8 | a | 80 | 90 | 115 | Y |
| 16 00 40.56 | -22 00 32.2 | 56462 | 11.2 | 8.4 | -12.4 | -20.4 | a | 89 | 90 | 140 | Y |
| 15 58 12.70 | -23 28 36.4 | 56462 | 10.4 | 8.0 | -11.1 | -22.1 | a | 82 | 90 | 193 | Y |
| 15 59 59.95 | -22 20 36.8 | 56462 | 12.9 | 8.6 | -13.9 | -24.1 | a | 96 | 90 | 107 | Y |
| 16 00 14.91 | -21 01 31.7 | 56462 | 11.9 | 9.0 | -14.3 | -17.3 | a | 46 | 60 | 123 | |
| 16 00 13.30 | -24 18 10.7 | 56462 | 13.6 | 9.5 | -11.7 | -23.8 | a | 94 | 90 | 91 | Y |
| 15 59 10.29 | -26 46 50.0 | 56462 | 12.3 | 9.6 | -6.6 | -16.3 | a | 57 | 90 | 134 | |
| 15 49 21.00 | -26 00 06.3 | 56462 | 11.2 | 7.9 | -16.5 | -26.4 | a | 89 | 90 | 139 | Y |
| 15 48 32.74 | -28 44 15.6 | 56462 | 11.2 | 8.3 | -7.5 | -16.2 | a | 32 | 90 | 126 | |
| 15 53 47.13 | -25 33 43.0 | 56462 | 11.5 | 8.6 | -10.5 | -21.7 | a | 77 | 90 | 101 | |
| 15 53 06.83 | -22 47 17.4 | 56462 | 13.5 | 8.7 | -14.0 | -24.8 | a | 97 | 90 | 104 | Y |
| 15 55 02.14 | -21 49 43.5 | 56462 | 12.4 | 8.6 | -15.3 | -22.4 | a | 90 | 90 | 112 | Y |
| 15 57 34.31 | -23 21 12.3 | 56462 | 12.8 | 9.0 | -15.3 | -26.3 | b | | 90 | 98 | Y |
| 15 57 16.74 | -25 29 19.3 | 56462 | 12.5 | 8.9 | -14.0 | -20.0 | a | 80 | 90 | 85 | Y |
| 15 56 55.46 | -22 58 40.4 | 56462 | 13.5 | 9.4 | -12.8 | -24.1 | a | 95 | 90 | 49 | Y |
| 15 56 06.96 | -28 52 41.4 | 56462 | 10.1 | 7.4 | -11.2 | -18.5 | a | 75 | 90 | 142 | |
| 16 04 05.13 | -27 35 23.0 | 56462 | 10.5 | 8.5 | -26.6 | -32.9 | a | 28 | 90 | 113 | |
| 16 09 30.31 | -21 04 58.9 | 56462 | 12.8 | 8.9 | -9.8 | -21.0 | a | 88 | 90 | 124 | Y |
| 16 05 20.11 | -22 56 04.7 | 56462 | 12.2 | 9.4 | -9.0 | -21.0 | a | 12 | 90 | 117 | |
| 16 05 21.57 | -18 21 41.2 | 56462 | 12.2 | 8.1 | -6.9 | -19.6 | a | 79 | 90 | 100 | Y |
| 16 05 38.16 | -20 39 47.0 | 56462 | 12.6 | 8.8 | -8.8 | -24.2 | a | 82 | 90 | 126 | Y |
| 16 06 43.86 | -19 08 05.5 | 56462 | 13.1 | 9.2 | -5.9 | -21.3 | a | 85 | 90 | 112 | Y |
| 16 06 47.94 | -18 41 43.8 | 56462 | 12.7 | 9.0 | -6.2 | -20.0 | a | 72 | 90 | 121 | Y |
| 16 08 01.42 | -20 27 41.7 | 56462 | 13.5 | 9.3 | -11.1 | -20.5 | b | | 90 | 33 | Y |
| 16 21 54.67 | -20 43 09.1 | 56462 | 12.5 | 9.2 | -18.2 | -29.5 | a | 22 | 90 | 109 | Y |
| 16 07 40.06 | -21 48 42.7 | 56462 | 13.5 | 9.7 | -10.8 | -17.8 | a | 88 | 90 | 79 | Y |
| 16 12 22.17 | -27 12 52.5 | 56462 | 11.6 | 9.5 | -12.9 | -27.4 | a | 93 | 90 | 134 | |
| 16 12 06.68 | -30 10 27.1 | 56462 | 13.3 | 9.3 | -14.9 | -20.6 | a | 73 | 90 | 99 | Y |
| 16 13 00.66 | -26 58 02.2 | 56462 | 20.0 | 11.5 | -6.0 | -10.3 | a | 40 | 90 | 81 | |
| 16 14 38.77 | -18 40 50.6 | 56462 | 12.9 | 9.6 | -16.1 | -16.2 | a | 46 | 90 | 97 | |
| 16 15 33.11 | -27 07 58.8 | 56462 | 13.9 | 9.8 | -12.0 | -23.7 | a | 95 | 90 | 67 | Y |
| 16 15 35.86 | -25 29 01.0 | 56462 | 12.4 | 8.7 | -10.1 | -24.0 | a | 80 | 90 | 102 | Y |
| 16 15 59.86 | -23 25 04.5 | 56462 | 11.9 | 8.5 | -6.6 | -25.3 | a | 70 | 90 | 86 | Y |
| 16 16 51.30 | -24 33 27.7 | 56462 | 9.7 | 7.7 | -10.3 | -18.2 | a | 78 | 90 | 96 | Y |
| 16 16 44.08 | -23 55 45.7 | 56462 | 11.1 | 7.7 | -17.9 | -24.2 | a | 80 | 90 | 72 | |
| 16 17 31.38 | -23 03 36.0 | 56462 | 10.1 | 8.0 | -10.1 | -16.6 | a | 53 | 90 | 112 | Y |
| 16 17 54.81 | -24 43 33.7 | 56462 | 9.8 | 7.8 | -8.5 | -19.7 | a | 70 | 90 | 92 | |
| 16 18 19.98 | -20 05 34.9 | 56462 | 10.4 | 7.9 | -10.3 | -25.0 | a | 83 | 90 | 91 | Y |
| 16 21 57.69 | -24 29 43.5 | 56462 | 10.2 | 7.6 | -10.6 | -22.3 | a | 80 | 90 | 78 | |
| 15 33 17.26 | -23 25 34.1 | 56756 | 12.1 | 8.6 | -7.7 | -22.2 | a | 59 | 90 | 70 | |
| 15 37 49.29 | -20 29 18.3 | 56756 | 11.5 | 8.6 | -16.5 | -20.5 | a | 82 | 90 | 31 | |
| 15 40 27.32 | -19 57 43.7 | 56756 | 10.4 | 7.4 | -17.7 | -17.6 | a | 72 | 90 | 25 | |
| 15 39 29.69 | -23 11 19.9 | 56756 | 10.7 | 8.1 | -16.3 | -16.5 | a | 70 | 90 | 33 | |
| 15 42 26.21 | -22 47 46.0 | 56756 | 13.0 | 8.6 | -13.8 | -20.9 | a | 97 | 90 | 38 | Y |
| 15 45 09.71 | -25 12 43.0 | 56756 | 13.8 | 9.7 | -15.6 | -16.6 | a | 63 | 90 | 48 | Y |
| 15 47 10.63 | -17 36 24.3 | 56756 | 13.9 | 9.6 | -17.8 | -24.1 | a | 86 | 90 | 26 | Y |
| 15 46 27.26 | -25 18 46.8 | 56756 | 11.4 | 7.9 | -18.4 | -18.6 | a | 73 | 90 | 85 | |
| 15 47 43.31 | -18 19 15.4 | 56756 | 13.7 | 9.8 | -11.5 | -21.8 | a | 92 | 90 | 56 | Y |
| 15 49 25.09 | -28 43 52.8 | 56756 | 13.9 | 9.7 | -19.2 | -25.4 | a | 95 | 90 | 34 | Y |
| 15 54 03.57 | -29 20 15.6 | 56756 | 12.5 | 8.7 | -17.5 | -18.8 | a | 75 | 90 | 79 | Y |

*Continued on next page*

**Table 1.** Summary of WiFeS observations of candidate Upper-Scorpius members; the V magnitude provided is either taken from APASS, where available, or interpolated from J and K according to the Kepler K2 instructions.

| R.A. (J2000.0) | Decl. (J2000.0) | MJD | V (mag) | K (mag) | $\mu_\alpha$ (mas) | $\mu_\delta$ (mas) | Source | $P_{mem}$ | T (sec) | SNR | M? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 50 49.08 | -16 34 48.3 | 56756 | 12.0 | 9.1 | -13.8 | -17.4 | a | 56 | 90 | 71 | |
| 15 51 50.27 | -22 38 18.8 | 56756 | 11.5 | 8.2 | -14.0 | -15.7 | a | 67 | 90 | 69 | |
| 16 21 54.67 | -20 43 09.1 | 56756 | 12.5 | 9.2 | -18.2 | -29.5 | a | 22 | 90 | 86 | Y |
| 15 56 47.69 | -19 50 07.6 | 56756 | 12.8 | 8.9 | -11.3 | -20.9 | a | 94 | 90 | 80 | Y |
| 16 01 32.73 | -22 19 37.8 | 56756 | 11.1 | 8.2 | -7.5 | -13.9 | a | 39 | 90 | 59 | |
| 16 02 31.96 | -28 13 45.2 | 56756 | 10.6 | 7.7 | -24.7 | -30.6 | a | 72 | 90 | 70 | |
| 16 02 24.61 | -22 00 24.8 | 56756 | 13.3 | 9.4 | -12.8 | -24.1 | a | 91 | 90 | 35 | Y |
| 16 16 02.92 | -24 30 54.8 | 56756 | 13.7 | 9.0 | -10.2 | -22.7 | a | 95 | 90 | 25 | Y |
| 16 16 17.20 | -26 09 10.2 | 56756 | 13.1 | 8.7 | -8.7 | -25.5 | a | 92 | 90 | 28 | Y |
| 16 16 46.63 | -34 14 14.4 | 56756 | 11.3 | 8.4 | -19.1 | -29.6 | a | 74 | 90 | 65 | |
| 16 17 22.98 | -21 21 11.9 | 56756 | 13.4 | 9.3 | -7.5 | -20.1 | a | 83 | 90 | 51 | Y |
| 16 19 14.74 | -25 32 31.3 | 56756 | 12.9 | 8.7 | -5.6 | -20.8 | a | 73 | 90 | 58 | Y |
| 16 19 31.39 | -25 18 12.8 | 56756 | 13.2 | 8.9 | -7.6 | -20.5 | a | 86 | 90 | 46 | Y |
| 16 19 45.38 | -21 47 57.8 | 56756 | 12.8 | 9.1 | -12.8 | -22.4 | a | 93 | 90 | 39 | Y |
| 16 20 27.24 | -21 26 06.9 | 56756 | 13.1 | 9.2 | -9.0 | -21.4 | a | 94 | 90 | 29 | Y |
| 16 20 45.08 | -14 49 58.0 | 56756 | 13.6 | 9.3 | -7.3 | -13.5 | a | 82 | 90 | 30 | |
| 16 20 45.79 | -28 49 20.1 | 56756 | 13.7 | 9.1 | -12.9 | -24.0 | a | 92 | 90 | 21 | Y |
| 16 23 18.69 | -26 23 43.3 | 56824 | 12.4 | 7.0 | -14.3 | -19.2 | b | | 60 | 29 | |
| 16 23 22.93 | -26 22 16.1 | 56824 | 9.6 | 7.9 | -20.4 | -31.9 | b | | 60 | 36 | Y |
| 16 24 49.82 | -26 23 45.9 | 56824 | 11.8 | 7.3 | -15.2 | -18.9 | b | | 60 | 23 | |
| 16 25 35.72 | -26 09 33.8 | 56824 | 10.0 | 6.8 | -12.0 | -13.4 | b | | 60 | 49 | |
| 16 25 57.91 | -26 00 37.3 | 56824 | 12.9 | 8.5 | -7.9 | -19.9 | a | 81 | 90 | 26 | Y |
| 16 25 56.96 | -26 00 40.6 | 56824 | 13.4 | 9.3 | -1.1 | -9.5 | a | 6 | 90 | 26 | |
| 16 25 57.91 | -26 00 37.3 | 56824 | 12.9 | 8.5 | -7.9 | -19.9 | a | 81 | 90 | 90 | Y |
| 16 28 52.01 | -26 11 55.4 | 56824 | 9.5 | 8.2 | -16.3 | -28.5 | b | | 60 | 31 | |
| 16 12 36.05 | -27 23 03.2 | 56824 | 11.2 | 7.2 | -9.9 | -13.1 | b | | 90 | 54 | Y |
| 16 12 46.71 | -27 33 28.7 | 56824 | 10.5 | 7.1 | -10.6 | -17.2 | b | | 90 | 30 | |
| 16 15 25.71 | -28 27 53.1 | 56824 | 11.4 | 6.9 | -10.5 | -13.0 | b | | 90 | 114 | |
| 16 18 32.97 | -27 57 29.1 | 56824 | 10.8 | 7.0 | -1.7 | -23.3 | a | 17 | 90 | 33 | |
| 16 16 09.07 | -27 56 23.3 | 56824 | 11.2 | 7.9 | -7.7 | -11.9 | a | 11 | 90 | 17 | |
| 16 13 28.04 | -27 24 13.4 | 56824 | 8.6 | 7.5 | -11.9 | -26.1 | b | | 90 | 30 | |
| 16 13 47.82 | -27 47 34.0 | 56824 | 9.3 | 8.0 | -8.4 | -22.7 | b | | 90 | 113 | |
| 16 21 54.67 | -20 43 09.1 | 56824 | 12.5 | 9.2 | -18.2 | -29.5 | a | 22 | 90 | 34 | Y |
| 16 34 22.40 | -21 54 31.0 | 56824 | 13.6 | 9.1 | -6.3 | -17.0 | a | 85 | 90 | 16 | |
| 16 25 16.90 | -23 22 03.6 | 56824 | 14.3 | 9.0 | -6.3 | -36.5 | a | 61 | 90 | 46 | Y |
| 16 11 04.80 | -23 33 16.6 | 56824 | 13.3 | 9.7 | -6.8 | -16.5 | a | 78 | 90 | 35 | Y |
| 16 08 04.11 | -26 40 44.9 | 56824 | 12.8 | 9.1 | -9.9 | -22.2 | b | | 90 | 24 | Y |
| 16 08 56.96 | -28 35 57.4 | 56824 | 13.4 | 9.6 | -6.4 | -20.6 | a | 92 | 90 | 32 | Y |
| 15 59 52.69 | -25 26 29.2 | 56824 | 13.5 | 9.7 | -19.8 | -26.6 | a | 93 | 90 | 45 | Y |
| 16 15 19.49 | -25 40 12.0 | 56824 | 13.2 | 9.1 | -9.4 | -23.6 | a | 94 | 90 | 52 | Y |
| 16 14 07.35 | -22 17 32.2 | 56824 | 13.3 | 9.1 | -9.3 | -22.0 | a | 95 | 90 | 39 | Y |
| 16 14 42.70 | -25 12 09.7 | 56824 | 14.5 | 9.3 | -13.8 | -18.7 | a | 91 | 90 | 35 | |
| 16 24 19.21 | -19 19 17.4 | 56824 | 14.0 | 9.4 | -19.7 | -27.2 | a | 85 | 90 | 58 | |
| 16 24 09.43 | -21 34 07.3 | 56824 | 15.0 | 10.5 | -2.8 | -28.8 | a | 89 | 90 | 14 | Y |
| 16 03 46.95 | -22 45 24.7 | 56824 | 13.2 | 9.1 | -12.6 | -26.0 | b | | 90 | 36 | Y |
| 15 59 44.27 | -20 29 23.4 | 56824 | 15.3 | 10.4 | -5.2 | -30.6 | a | 88 | 90 | 10 | Y |
| 16 33 58.75 | -27 42 16.7 | 56824 | 14.1 | 9.3 | -10.2 | -24.1 | a | 92 | 90 | 36 | |
| 16 12 05.05 | -20 43 40.5 | 56824 | 13.5 | 9.1 | -10.3 | -22.7 | a | 95 | 90 | 45 | Y |
| 16 12 35.32 | -20 34 34.0 | 56824 | 13.5 | 9.3 | -17.2 | -32.7 | b | | 90 | 49 | Y |
| 16 11 26.03 | -26 31 55.9 | 56824 | 13.7 | 9.6 | -9.4 | -25.5 | a | 96 | 90 | 36 | Y |
| 16 09 39.70 | -22 00 46.6 | 56824 | 13.5 | 9.3 | -10.1 | -20.3 | a | 92 | 90 | 43 | Y |
| 16 30 01.36 | -15 43 11.1 | 56824 | 13.5 | 9.5 | -10.3 | -13.3 | b | | 90 | 34 | |
| 16 28 23.58 | -27 22 41.3 | 56824 | 14.2 | 9.3 | -4.8 | -13.4 | a | 35 | 90 | 44 | |
| 16 03 01.77 | -26 26 21.9 | 56824 | 13.5 | 9.7 | -12.2 | -22.5 | a | 98 | 90 | 39 | Y |
| 16 14 02.27 | -18 52 43.9 | 56824 | 14.5 | 9.0 | -7.5 | -13.4 | b | | 90 | 28 | |
| 16 15 00.60 | -29 19 34.9 | 56824 | 13.2 | 9.4 | -13.3 | -23.4 | a | 96 | 90 | 47 | Y |

*Continued on next page*

**Table 1.** Summary of WiFeS observations of candidate Upper-Scorpius members; the V magnitude provided is either taken from APASS, where available, or interpolated from J and K according to the Kepler K2 instructions.

| R.A. (J2000.0) | Decl. (J2000.0) | MJD | V (mag) | K (mag) | $\mu_\alpha$ (mas) | $\mu_\delta$ (mas) | Source | $P_{mem}$ | T (sec) | SNR | M? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 15 12.40 | -23 18 45.3 | 56824 | 13.7 | 9.7 | -7.8 | -25.5 | a | 74 | 90 | 28 | Y |
| 16 09 31.66 | -22 29 22.4 | 56824 | 13.3 | 9.2 | -8.8 | -18.9 | a | 92 | 90 | 53 | Y |
| 16 22 08.59 | -29 15 06.4 | 56824 | 13.3 | 9.7 | -11.9 | -27.7 | a | 90 | 90 | 53 | Y |
| 16 30 29.35 | -16 01 52.9 | 56824 | 13.3 | 9.9 | -1.8 | -17.5 | b | | 90 | 34 | |
| 16 25 35.04 | -23 32 55.0 | 56824 | 14.2 | 8.9 | -5.4 | -26.3 | b | | 90 | 42 | Y |
| 16 34 17.86 | -28 59 37.4 | 56824 | 13.9 | 9.2 | 2.0 | -22.6 | b | | 90 | 29 | |
| 16 29 35.57 | -25 04 23.9 | 56824 | 13.7 | 9.3 | -15.5 | -23.7 | b | | 90 | 16 | |
| 16 10 28.23 | -27 56 39.5 | 56824 | 13.1 | 9.6 | -6.4 | -36.4 | b | | 90 | 37 | |
| 16 23 22.08 | -21 25 49.0 | 56825 | 14.1 | 9.7 | -6.0 | -22.3 | a | 92 | 90 | 20 | |
| 16 26 19.98 | -22 33 02.5 | 56825 | 14.1 | 9.8 | -16.0 | -20.6 | a | 95 | 90 | 41 | Y |
| 16 27 27.66 | -28 21 50.4 | 56825 | 13.5 | 10.0 | -9.6 | -27.8 | a | 93 | 90 | 48 | Y |
| 16 25 49.24 | -25 54 37.3 | 56825 | 14.4 | 9.5 | -12.0 | -24.4 | a | 93 | 90 | 74 | Y |
| 16 25 28.81 | -26 07 53.8 | 56825 | 14.3 | 9.9 | -9.9 | -25.8 | a | 97 | 90 | 57 | Y |
| 16 22 20.42 | -28 37 16.4 | 56825 | 13.8 | 9.8 | -16.4 | -32.2 | a | 81 | 90 | 68 | |
| 16 25 02.37 | -23 21 45.1 | 56825 | 14.6 | 9.3 | -4.6 | -30.4 | a | 72 | 90 | 59 | Y |
| 16 00 49.73 | -23 38 43.2 | 56825 | 13.7 | 9.7 | -14.8 | -27.3 | b | | 90 | 66 | Y |
| 16 01 22.34 | -19 37 22.3 | 56825 | 13.9 | 9.6 | -10.1 | -17.6 | b | | 90 | 67 | Y |
| 16 20 21.64 | -20 05 34.8 | 56825 | 15.4 | 11.0 | -14.6 | -14.4 | b | | 90 | 6 | Y |
| 16 08 56.29 | -21 48 48.9 | 56825 | 13.5 | 9.6 | -10.2 | -22.6 | b | | 90 | 69 | Y |
| 16 04 06.71 | -26 37 07.1 | 56825 | 13.9 | 10.0 | -10.3 | -32.2 | a | 95 | 90 | 53 | Y |
| 16 32 54.35 | -19 29 46.9 | 56825 | 14.5 | 9.7 | 1.6 | -17.5 | a | 23 | 90 | 63 | |
| 16 02 58.44 | -25 45 29.9 | 56825 | 13.8 | 10.2 | -20.0 | -33.6 | a | 73 | 90 | 41 | |
| 16 21 54.67 | -20 43 09.1 | 56825 | 12.5 | 9.2 | -18.2 | -29.5 | a | 22 | 90 | 150 | Y |
| 16 30 01.50 | -28 15 29.5 | 56825 | 14.5 | 9.8 | -8.0 | -14.6 | a | 68 | 90 | 58 | |
| 16 24 15.52 | -25 44 34.5 | 56825 | 14.3 | 9.6 | -13.0 | -20.3 | b | | 90 | 67 | Y |
| 16 19 34.35 | -20 13 50.2 | 56825 | 14.2 | 9.8 | -0.8 | -37.3 | a | 2 | 90 | 65 | |
| 16 17 30.32 | -24 38 39.2 | 56825 | 14.5 | 9.7 | -10.1 | -22.3 | a | 94 | 90 | 45 | Y |
| 16 20 50.95 | -22 53 40.1 | 56825 | 14.5 | 9.8 | -13.1 | -21.7 | a | 95 | 120 | 55 | Y |
| 16 15 11.05 | -23 22 42.7 | 56825 | 13.8 | 9.8 | -9.1 | -24.1 | a | 68 | 90 | 66 | Y |
| 16 14 41.26 | -25 56 05.3 | 56825 | 14.3 | 10.1 | -11.4 | -22.9 | a | 97 | 120 | 60 | Y |
| 16 07 51.37 | -17 18 23.2 | 56825 | 13.9 | 10.0 | -5.7 | -18.0 | a | 93 | 120 | 54 | Y |
| 15 56 12.17 | -23 54 07.7 | 56825 | 13.9 | 10.2 | -20.5 | -32.9 | a | 85 | 120 | 26 | Y |
| 16 18 41.89 | -18 32 39.8 | 56825 | 13.9 | 10.1 | -20.4 | -27.0 | a | 92 | 120 | 41 | |
| 15 59 38.07 | -26 03 23.5 | 56825 | 13.8 | 10.3 | -11.3 | -29.0 | a | 92 | 120 | 27 | Y |
| 16 16 33.45 | -25 52 36.8 | 56825 | 14.1 | 9.6 | -8.7 | -21.2 | a | 93 | 90 | 57 | Y |
| 16 14 52.70 | -23 08 02.7 | 56825 | 13.6 | 9.6 | -10.4 | -19.5 | a | 96 | 90 | 51 | Y |
| 16 33 34.97 | -18 32 53.9 | 56825 | 14.1 | 10.4 | -13.4 | -23.0 | a | 96 | 90 | 29 | Y |
| 16 18 42.10 | -18 33 29.0 | 56825 | 13.7 | 9.9 | -16.8 | -26.4 | a | 96 | 90 | 63 | |
| 16 34 38.27 | -28 35 50.5 | 56825 | 13.8 | 9.8 | -10.1 | -23.8 | a | 97 | 90 | 62 | Y |
| 16 23 57.91 | -26 02 29.9 | 56825 | 14.0 | 10.0 | -9.3 | -19.7 | a | 96 | 90 | 75 | Y |
| 16 23 04.74 | -27 59 25.4 | 56825 | 13.5 | 9.6 | -10.2 | -22.6 | a | 83 | 90 | 83 | Y |
| 16 22 44.07 | -21 42 22.2 | 56825 | 14.2 | 9.9 | -11.5 | -19.3 | a | 95 | 90 | 40 | Y |
| 15 56 25.11 | -20 16 15.8 | 56825 | 13.8 | 9.9 | -13.4 | -22.5 | a | 97 | 120 | 33 | Y |
| 16 35 21.67 | -15 38 19.9 | 56825 | 14.2 | 9.7 | -7.5 | -14.0 | b | | 90 | 77 | |
| 16 14 10.12 | -22 17 23.5 | 56825 | 13.9 | 9.8 | -5.2 | -17.8 | a | 85 | 90 | 42 | Y |
| 16 23 37.53 | -25 35 34.1 | 56825 | 14.3 | 9.5 | -2.6 | -16.2 | b | | 90 | 71 | |
| 16 22 20.93 | -27 47 09.6 | 56825 | 13.3 | 9.5 | -7.1 | -28.2 | a | 91 | 120 | 72 | Y |
| 16 17 55.02 | -27 11 30.4 | 56825 | 13.5 | 9.9 | -5.9 | -23.7 | a | 88 | 90 | 64 | Y |
| 16 14 12.58 | -24 54 28.8 | 56825 | 13.8 | 9.9 | -7.7 | -19.4 | a | 56 | 90 | 65 | Y |
| 16 26 28.04 | -25 26 47.8 | 56825 | 14.5 | 9.1 | -6.1 | -30.2 | b | | 90 | 76 | Y |
| 16 13 36.44 | -23 26 27.0 | 56825 | 13.5 | 9.3 | -4.2 | -20.6 | a | 86 | 90 | 67 | Y |
| 16 20 36.41 | -21 23 12.0 | 56825 | 13.8 | 10.0 | -10.8 | -22.1 | a | 97 | 120 | 39 | Y |
| 16 12 13.69 | -24 31 36.9 | 56825 | 14.2 | 10.1 | -16.4 | -21.9 | a | 97 | 120 | 52 | Y |
| 16 10 26.25 | -22 09 10.5 | 56825 | 13.6 | 9.0 | -8.9 | -24.1 | b | | 90 | 66 | Y |
| 16 15 47.77 | -25 03 29.7 | 56825 | 13.7 | 10.3 | -15.3 | -35.6 | a | 9 | 120 | 48 | |
| 16 28 45.15 | -27 12 19.3 | 56825 | 14.4 | 9.8 | -10.5 | -23.8 | a | 96 | 120 | 56 | |

*Continued on next page*

**Table 1.** Summary of WiFeS observations of candidate Upper-Scorpius members; the V magnitude provided is either taken from APASS, where available, or interpolated from J and K according to the Kepler K2 instructions.

| R.A. (J2000.0) | Decl. (J2000.0) | MJD | V (mag) | K (mag) | $\mu_\alpha$ (mas) | $\mu_\delta$ (mas) | Source | $P_{mem}$ | T (sec) | SNR | M? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 09 29.70 | -22 00 58.0 | 56825 | 13.9 | 9.6 | -16.9 | -19.2 | b | | 120 | 77 | Y |
| 16 11 05.67 | -21 44 03.3 | 56825 | 13.6 | 9.2 | -9.6 | -23.3 | b | | 120 | 77 | Y |
| 16 35 42.10 | -23 10 04.0 | 56825 | 14.6 | 9.9 | -1.2 | -18.1 | a | 58 | 120 | 65 | |
| 16 35 23.82 | -22 29 54.7 | 56825 | 14.8 | 9.6 | -8.2 | -13.1 | a | 44 | 120 | 78 | |
| 16 14 27.55 | -27 09 16.7 | 56825 | 14.3 | 9.5 | -8.9 | -15.0 | b | | 120 | 83 | |
| 16 10 02.31 | -24 34 18.6 | 56826 | 13.8 | 10.4 | -12.8 | -37.1 | a | 1 | 120 | 68 | |
| 16 21 18.30 | -19 45 18.5 | 56826 | 13.9 | 10.3 | -17.2 | -27.2 | a | 84 | 120 | 48 | |
| 16 22 51.59 | -27 55 37.3 | 56826 | 13.9 | 10.2 | -11.9 | -27.9 | a | 97 | 120 | 63 | |
| 16 23 59.02 | -27 36 03.7 | 56826 | 13.1 | 9.4 | -3.7 | -21.6 | a | 20 | 120 | 82 | Y |
| 15 55 41.41 | -20 43 15.1 | 56826 | 13.9 | 9.4 | -14.3 | -21.8 | b | | 120 | 89 | Y |
| 16 23 37.94 | -24 36 30.4 | 56826 | 14.1 | 9.9 | -6.2 | -12.6 | a | 8 | 120 | 90 | |
| 15 58 06.94 | -26 23 46.7 | 56826 | 14.0 | 10.2 | -10.9 | -27.2 | a | 97 | 120 | 82 | Y |
| 16 17 16.50 | -23 27 57.1 | 56826 | 14.4 | 10.2 | -12.5 | -26.6 | b | | 120 | 64 | Y |
| 16 24 11.77 | -19 55 58.3 | 56826 | 14.6 | 9.9 | -10.8 | -18.3 | a | 92 | 480 | 82 | Y |
| 16 15 27.51 | -26 27 28.1 | 56826 | 15.5 | 11.2 | -11.3 | -25.0 | b | | 300 | 36 | Y |
| 16 17 29.95 | -24 51 03.2 | 56826 | 14.7 | 9.8 | -9.0 | -21.3 | a | 92 | 300 | 68 | Y |
| 16 20 53.01 | -20 19 20.3 | 56826 | 14.6 | 10.0 | -10.0 | -18.6 | a | 93 | 300 | 78 | |
| 16 22 54.78 | -21 38 09.3 | 56826 | 14.2 | 10.1 | -10.0 | -24.5 | a | 97 | 300 | 84 | Y |
| 16 21 48.54 | -25 17 26.6 | 56826 | 14.6 | 10.0 | -10.4 | -19.8 | a | 94 | 300 | 99 | Y |
| 16 20 32.46 | -22 57 45.4 | 56826 | 14.8 | 9.8 | -7.4 | -22.2 | a | 89 | 300 | 76 | Y |
| 15 57 00.93 | -20 24 48.2 | 56826 | 14.0 | 10.3 | -14.0 | -21.5 | a | 97 | 300 | 76 | |
| 16 07 30.38 | -25 46 27.0 | 56826 | 14.1 | 10.1 | -9.7 | -23.9 | a | 97 | 300 | 82 | Y |
| 16 09 49.55 | -24 44 46.8 | 56826 | 14.0 | 10.1 | -16.0 | -21.9 | b | | 300 | 66 | Y |
| 16 22 05.88 | -21 21 55.6 | 56826 | 14.0 | 10.0 | -11.7 | -26.1 | a | 79 | 300 | 112 | Y |
| 16 27 33.22 | -28 21 09.8 | 56826 | 14.0 | 10.5 | -12.6 | -25.1 | a | 87 | 300 | 71 | Y |
| 15 57 03.69 | -23 04 48.3 | 56826 | 14.0 | 10.2 | -10.6 | -19.4 | a | 95 | 300 | 70 | Y |
| 15 57 23.92 | -20 51 45.4 | 56826 | 14.1 | 9.8 | -7.0 | -19.1 | b | | 300 | 72 | Y |
| 16 03 38.30 | -18 54 07.7 | 56826 | 14.1 | 9.5 | -7.8 | -20.8 | a | 94 | 300 | 79 | Y |
| 16 02 35.89 | -23 20 17.1 | 56826 | 14.1 | 10.2 | -7.1 | -20.4 | a | 94 | 300 | 61 | Y |
| 15 56 20.60 | -23 36 10.0 | 56826 | 14.2 | 10.3 | -9.2 | -16.6 | b | | 300 | 71 | Y |
| 16 00 00.37 | -22 32 59.5 | 56826 | 14.2 | 9.8 | -12.8 | -21.3 | a | 96 | 300 | 90 | |
| 16 14 49.89 | -21 39 32.2 | 56826 | 14.1 | 10.1 | -7.7 | -23.7 | a | 33 | 300 | 74 | Y |
| 16 19 02.15 | -21 38 09.7 | 56826 | 14.1 | 10.4 | -8.2 | -23.3 | a | 96 | 300 | 65 | Y |
| 16 14 03.80 | -24 53 08.9 | 56826 | 14.1 | 10.0 | -9.4 | -18.3 | a | 27 | 300 | 56 | Y |
| 16 08 40.25 | -27 33 39.7 | 56826 | 14.1 | 10.6 | -17.8 | -28.1 | a | 67 | 300 | 70 | |
| 16 09 35.76 | -21 38 05.8 | 56826 | 14.2 | 9.9 | -12.7 | -20.5 | a | 95 | 300 | 81 | Y |
| 15 55 05.13 | -20 26 07.7 | 56826 | 14.2 | 9.7 | -12.0 | -24.6 | b | | 300 | 76 | Y |
| 15 56 24.92 | -25 41 20.3 | 56826 | 14.2 | 10.4 | -15.7 | -23.0 | b | | 300 | 71 | Y |
| 15 59 18.72 | -26 48 14.1 | 56826 | 14.2 | 10.7 | -17.6 | -33.6 | a | 46 | 300 | 70 | |
| 15 55 08.53 | -23 18 51.1 | 56826 | 14.2 | 9.9 | -13.6 | -21.1 | b | | 300 | 87 | Y |
| 16 09 31.10 | -20 41 46.0 | 56826 | 14.3 | 10.1 | -14.4 | -25.2 | a | 98 | 300 | 49 | Y |
| 16 19 48.36 | -22 12 51.8 | 56826 | 14.2 | 10.3 | -14.5 | -22.7 | a | 97 | 300 | 49 | Y |
| 16 22 43.55 | -18 52 35.8 | 56826 | 14.2 | 10.6 | -11.6 | -21.8 | a | 93 | 300 | 63 | |
| 16 22 06.59 | -21 27 08.9 | 56826 | 14.2 | 10.1 | -11.1 | -30.2 | a | 96 | 300 | 68 | Y |
| 16 23 57.23 | -26 20 24.6 | 56826 | 14.2 | 10.2 | -8.3 | -23.0 | a | 97 | 300 | 63 | Y |
| 16 25 23.27 | -27 27 31.5 | 56826 | 14.2 | 10.7 | -13.8 | -25.2 | a | 11 | 300 | 48 | Y |
| 16 26 54.09 | -27 35 07.7 | 56826 | 14.2 | 10.7 | -6.5 | -24.1 | a | 61 | 300 | 58 | |
| 16 19 16.09 | -29 15 12.7 | 56826 | 14.1 | 10.4 | -12.7 | -25.2 | a | 95 | 300 | 66 | Y |
| 16 34 58.06 | -22 57 20.5 | 56826 | 14.2 | 10.4 | -8.6 | -25.4 | a | 96 | 300 | 42 | |
| 16 21 55.94 | -27 05 03.4 | 56826 | 14.2 | 10.8 | -19.1 | -25.9 | a | 27 | 300 | 39 | Y |
| 16 01 13.99 | -25 16 28.2 | 56826 | 14.3 | 10.4 | -14.3 | -19.9 | b | | 300 | 37 | Y |
| 16 19 48.78 | -22 24 47.5 | 56826 | 14.3 | 10.8 | -32.9 | -36.4 | a | 7 | 300 | 28 | Y |
| 16 13 56.62 | -24 57 56.8 | 56826 | 14.3 | 10.2 | -9.4 | -24.2 | a | 97 | 300 | 63 | Y |
| 16 11 17.45 | -24 41 20.4 | 56826 | 14.3 | 10.4 | -7.2 | -27.2 | a | 94 | 300 | 62 | Y |
| 16 26 34.95 | -25 11 40.9 | 56826 | 14.3 | 10.0 | -6.4 | -27.2 | b | | 300 | 101 | Y |
| 16 01 08.97 | -26 45 10.6 | 56826 | 14.3 | 10.6 | -15.2 | -23.8 | a | 85 | 300 | 26 | Y |

*Continued on next page*

**Table 1.** Summary of WiFeS observations of candidate Upper-Scorpius members; the V magnitude provided is either taken from APASS, where available, or interpolated from J and K according to the Kepler K2 instructions.

| R.A. (J2000.0) | Decl. (J2000.0) | MJD | V (mag) | K (mag) | $\mu_\alpha$ (mas) | $\mu_\delta$ (mas) | Source | $P_{mem}$ | T (sec) | SNR | M? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 21 29.55 | -25 29 43.1 | 56826 | 14.3 | 10.2 | -0.8 | -24.1 | a | 72 | 300 | 71 | Y |
| 16 15 36.43 | -26 22 09.2 | 56826 | 14.3 | 10.2 | -3.4 | -24.7 | a | 88 | 300 | 35 | Y |
| 16 10 14.46 | -19 51 37.5 | 56826 | 14.3 | 10.2 | -5.8 | -24.0 | a | 78 | 300 | 56 | Y |
| 16 13 09.79 | -20 44 59.1 | 56826 | 14.3 | 9.9 | -10.3 | -19.0 | b | | 300 | 64 | Y |
| 16 13 21.91 | -21 36 13.7 | 56826 | 14.3 | 10.0 | -6.5 | -22.0 | a | 93 | 300 | 38 | Y |
| 16 00 12.17 | -21 57 03.3 | 56826 | 14.3 | 10.3 | -12.7 | -24.0 | b | | 300 | 36 | Y |
| 15 55 39.28 | -20 53 07.3 | 56826 | 14.4 | 10.6 | -9.8 | -23.7 | a | 94 | 300 | 34 | Y |
| 16 13 32.79 | -20 44 41.4 | 56826 | 14.4 | 10.1 | -12.4 | -24.0 | b | | 300 | 68 | Y |
| 16 13 44.90 | -24 34 14.4 | 56826 | 14.4 | 10.3 | -11.7 | -20.5 | b | | 300 | 62 | Y |
| 16 17 26.15 | -24 50 59.2 | 56826 | 14.4 | 9.9 | -11.4 | -14.6 | a | 82 | 300 | 62 | Y |
| 16 19 47.12 | -22 03 11.2 | 56826 | 14.4 | 10.6 | -6.3 | -22.0 | a | 94 | 300 | 35 | Y |
| 15 57 42.47 | -25 51 35.6 | 56826 | 14.4 | 10.8 | -4.4 | -29.2 | a | 27 | 300 | 28 | Y |
| 15 57 24.55 | -20 38 38.2 | 56826 | 14.4 | 10.0 | -12.2 | -25.1 | b | | 300 | 34 | Y |
| 16 31 05.80 | -27 25 46.1 | 56826 | 14.3 | 10.5 | -7.1 | -20.7 | a | 95 | 300 | 41 | Y |
| 16 31 56.69 | -28 46 12.7 | 56826 | 14.3 | 10.5 | -14.3 | -20.0 | a | 94 | 300 | 42 | Y |
| 16 29 56.63 | -26 59 18.4 | 56826 | 14.3 | 10.4 | -14.3 | -25.8 | a | 97 | 300 | 48 | Y |
| 16 27 13.23 | -20 04 25.7 | 56826 | 14.4 | 11.1 | -19.9 | -27.1 | b | | 300 | 45 | |
| 16 21 15.84 | -22 40 04.5 | 56826 | 14.5 | 9.8 | -8.0 | -18.6 | a | 92 | 300 | 37 | Y |
| 16 23 45.33 | -29 08 04.5 | 56827 | 9.8 | 6.1 | -11.7 | -14.0 | b | | 180 | 107 | |
| 16 22 43.79 | -29 11 37.7 | 56827 | 11.4 | 8.0 | -7.9 | -13.9 | a | 25 | 180 | 115 | |
| 16 21 55.07 | -21 52 04.3 | 56827 | 14.4 | 10.4 | -9.4 | -12.7 | a | 86 | 300 | 11 | |
| 16 23 41.97 | -29 02 22.9 | 56827 | 12.0 | 7.1 | -3.3 | -18.2 | b | | 180 | 112 | |
| 16 23 52.29 | -27 59 13.6 | 56827 | 11.3 | 7.8 | -16.9 | -21.8 | a | 78 | 180 | 91 | |
| 16 24 18.59 | -28 42 54.1 | 56827 | 10.5 | 8.1 | -14.8 | -25.7 | a | 77 | 180 | 25 | |
| 16 24 18.60 | -28 54 47.5 | 56827 | 11.2 | 8.3 | -4.6 | -15.8 | a | 27 | 180 | 62 | Y |
| 16 26 23.43 | -27 39 00.5 | 56827 | 10.7 | 8.1 | -14.1 | -25.6 | a | 72 | 180 | 27 | |
| 16 30 39.35 | -27 15 10.4 | 56827 | 10.4 | 7.5 | -4.6 | -14.4 | a | 16 | 180 | 53 | |
| 16 31 55.53 | -29 02 14.3 | 56827 | 11.2 | 8.0 | -6.6 | -13.4 | a | 15 | 180 | 79 | |
| 16 00 52.72 | -25 23 42.7 | 56827 | 14.4 | 10.4 | -13.9 | -17.8 | a | 85 | 300 | 21 | Y |
| 16 30 07.45 | -17 34 35.8 | 56827 | 14.4 | 10.9 | -19.2 | -24.5 | a | 1 | 300 | 6 | |
| 16 23 32.34 | -25 23 48.5 | 56827 | 11.4 | 7.7 | -7.3 | -23.7 | a | 76 | 180 | 94 | Y |
| 16 26 19.32 | -23 43 20.5 | 56827 | 20.0 | 9.0 | 19.9 | -34.7 | a | 0 | 180 | 100 | |
| 16 03 37.77 | -18 45 08.3 | 56827 | 14.5 | 9.8 | -7.8 | -21.4 | b | | 300 | 28 | Y |
| 16 21 15.84 | -22 40 04.5 | 56827 | 14.5 | 9.8 | -8.0 | -18.6 | a | 92 | 300 | 51 | Y |
| 16 12 08.14 | -25 47 57.9 | 56827 | 14.4 | 10.3 | -14.1 | -23.6 | a | 98 | 300 | 44 | Y |
| 16 26 32.77 | -26 22 59.0 | 56827 | 14.4 | 10.5 | -8.7 | -30.1 | b | | 300 | 13 | Y |
| 16 03 25.98 | -26 27 32.2 | 56827 | 14.5 | 10.8 | -17.8 | -28.8 | a | 79 | 300 | 24 | Y |
| 16 13 38.40 | -24 43 31.2 | 56827 | 14.5 | 10.4 | -12.4 | -22.2 | a | 97 | 300 | 58 | Y |
| 16 16 59.84 | -21 54 27.3 | 56827 | 14.5 | 10.6 | -8.9 | -26.2 | a | 93 | 300 | 55 | Y |
| 16 03 34.94 | -22 31 54.6 | 56827 | 14.5 | 10.9 | -19.6 | -30.3 | a | 39 | 300 | 35 | |
| 15 58 18.85 | -19 15 44.9 | 56827 | 14.5 | 10.1 | -12.5 | -18.6 | b | | 300 | 70 | Y |
| 16 19 52.87 | -22 02 58.5 | 56827 | 14.5 | 11.1 | -18.9 | -32.3 | b | | 300 | 41 | |
| 16 12 33.54 | -25 43 27.6 | 56827 | 14.5 | 10.1 | 2.4 | -9.7 | a | 37 | 300 | 22 | Y |
| 16 22 08.94 | -21 40 37.2 | 56827 | 14.5 | 10.6 | -15.7 | -14.4 | a | 87 | 300 | 47 | Y |
| 15 59 08.65 | -26 00 54.4 | 56827 | 14.5 | 10.8 | -16.8 | -20.2 | a | 90 | 300 | 29 | Y |
| 16 25 10.73 | -26 09 55.2 | 56827 | 14.5 | 10.7 | -17.8 | -25.4 | b | | 300 | 49 | |
| 16 23 10.10 | -23 05 14.2 | 56827 | 14.5 | 10.2 | -12.5 | -6.3 | a | 9 | 300 | 57 | |
| 16 00 07.05 | -23 40 48.7 | 56827 | 14.5 | 10.6 | -11.5 | -31.0 | b | | 300 | 36 | Y |
| 16 27 09.51 | -26 18 54.9 | 56827 | 14.5 | 10.8 | -13.3 | -24.9 | b | | 300 | 36 | Y |
| 16 16 09.48 | -22 43 43.8 | 56827 | 14.5 | 10.5 | -4.8 | -17.9 | a | 89 | 300 | 67 | Y |
| 16 13 06.28 | -26 06 10.7 | 56827 | 14.5 | 10.9 | -10.5 | -20.7 | a | 85 | 300 | 36 | Y |
| 16 01 09.25 | -19 07 59.1 | 56829 | 13.5 | 8.9 | -2.9 | -15.2 | b | | 300 | 124 | |
| 15 55 29.81 | -25 44 50.0 | 56829 | 13.5 | 9.1 | -13.9 | -27.2 | b | | 300 | 98 | Y |
| 15 56 33.98 | -25 30 08.4 | 56829 | 13.7 | 10.1 | -19.3 | -35.2 | a | 58 | 300 | 73 | |
| 15 58 58.21 | -23 04 35.2 | 56829 | 13.8 | 9.9 | -13.2 | -23.3 | a | 96 | 180 | 40 | Y |
| 15 56 25.26 | -26 28 28.6 | 56829 | 14.0 | 10.3 | -18.2 | -35.2 | a | 84 | 300 | 57 | |

*Continued on next page*

**Table 1.** Summary of WiFeS observations of candidate Upper-Scorpius members; the V magnitude provided is either taken from APASS, where available, or interpolated from J and K according to the Kepler K2 instructions.

| R.A. (J2000.0) | Decl. (J2000.0) | MJD | V (mag) | K (mag) | $\mu_\alpha$ (mas) | $\mu_\delta$ (mas) | Source | $P_{mem}$ | T (sec) | SNR | M? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 00 49.89 | -19 28 00.4 | 56829 | 13.7 | 9.7 | -8.1 | -21.2 | b | | 180 | 30 | Y |
| 16 04 18.93 | -24 30 39.3 | 56829 | 13.8 | 8.9 | -9.3 | -21.7 | b | | 180 | 97 | Y |
| 16 10 05.02 | -21 32 31.9 | 56829 | 13.9 | 8.9 | -12.3 | -22.6 | a | 91 | 180 | 72 | Y |
| 16 09 20.63 | -22 22 05.7 | 56829 | 13.7 | 9.5 | -9.5 | -22.4 | b | | 180 | 30 | Y |
| 16 16 01.52 | -17 28 08.0 | 56829 | 13.6 | 11.1 | -13.7 | -11.7 | b | | 300 | 60 | |
| 16 16 18.94 | -25 42 28.7 | 56829 | 13.7 | 8.7 | -9.4 | -32.6 | b | | 180 | 54 | Y |
| 16 26 19.64 | -21 37 20.8 | 56829 | 13.7 | 9.4 | -8.7 | -24.2 | a | 94 | 180 | 89 | Y |
| 16 23 24.54 | -17 17 27.1 | 56829 | 13.5 | 9.7 | -12.1 | -23.3 | a | 95 | 180 | 71 | Y |
| 16 12 47.66 | -16 09 18.2 | 56829 | 13.8 | 10.0 | -1.6 | -18.2 | b | | 180 | 34 | |
| 16 27 57.93 | -25 24 18.8 | 56829 | 13.8 | 10.1 | -9.6 | -24.9 | a | 50 | 180 | 64 | Y |
| 16 35 06.26 | -20 25 28.3 | 56829 | 13.8 | 9.6 | -4.3 | -27.5 | a | 87 | 180 | 58 | Y |
| 16 30 02.76 | -27 27 00.5 | 56829 | 13.5 | 9.8 | -10.3 | -18.5 | a | 95 | 180 | 29 | Y |
| 16 25 55.41 | -27 21 24.3 | 56829 | 13.5 | 10.0 | -12.6 | -23.2 | a | 94 | 180 | 47 | Y |
| 16 26 41.21 | -22 00 09.5 | 56829 | 13.9 | 9.3 | -19.9 | -21.4 | a | 85 | 180 | 78 | Y |
| 16 33 38.83 | -21 50 26.3 | 56829 | 13.9 | 8.9 | -4.2 | -16.4 | a | 44 | 180 | 96 | Y |
| 16 31 32.62 | -27 19 46.1 | 56829 | 13.9 | 9.5 | -5.8 | -4.7 | a | 0 | 180 | 88 | |
| 16 21 41.26 | -22 12 05.5 | 56829 | 13.9 | 9.9 | -10.3 | -20.2 | a | 97 | 180 | 46 | Y |
| 16 13 20.55 | -22 29 15.9 | 56829 | 14.0 | 10.2 | -9.2 | -19.4 | a | 25 | 180 | 78 | Y |
| 16 12 39.94 | -25 39 54.2 | 56829 | 14.0 | 10.4 | -15.1 | -28.0 | a | 94 | 180 | 45 | |
| 16 20 24.98 | -21 50 23.9 | 56829 | 14.0 | 9.9 | -14.3 | -20.8 | a | 94 | 180 | 84 | Y |
| 15 58 28.56 | -23 34 19.1 | 56829 | 14.5 | 10.4 | -12.5 | -27.5 | a | 97 | 300 | 66 | Y |
| 15 55 50.98 | -25 19 39.4 | 56829 | 14.5 | 10.7 | -15.3 | -27.2 | b | | 300 | 58 | Y |
| 16 35 11.02 | -17 12 08.9 | 56829 | 14.5 | 10.2 | -10.4 | -13.4 | b | | 300 | 107 | |
| 16 31 15.42 | -26 57 15.1 | 56829 | 14.5 | 10.3 | -10.8 | -20.1 | a | 96 | 300 | 83 | Y |
| 16 08 16.95 | -25 42 47.3 | 56829 | 14.5 | 11.0 | -13.1 | -21.3 | a | 47 | 300 | 39 | |
| 16 03 39.22 | -18 51 29.3 | 56829 | 14.5 | 10.2 | -9.6 | -20.5 | a | 96 | 300 | 59 | Y |
| 16 01 59.88 | -18 43 45.7 | 56829 | 14.6 | 10.2 | -14.3 | -21.9 | b | | 300 | 71 | Y |
| 16 00 43.10 | -24 30 50.5 | 56829 | 14.6 | 10.8 | -10.6 | -24.6 | a | 91 | 300 | 36 | Y |
| 16 11 32.87 | -25 17 20.4 | 56829 | 14.6 | 10.8 | -5.8 | -21.6 | a | 85 | 360 | 40 | |
| 16 14 33.64 | -20 04 29.9 | 56829 | 14.6 | 10.1 | -3.1 | -22.1 | a | 82 | 360 | 87 | Y |
| 16 03 51.75 | -21 40 15.5 | 56829 | 14.6 | 10.6 | -10.4 | -20.6 | b | | 360 | 39 | Y |
| 16 34 35.14 | -26 58 03.1 | 56829 | 14.6 | 10.5 | -6.5 | -21.1 | a | 89 | 300 | 44 | Y |
| 16 20 06.16 | -22 12 38.5 | 56829 | 14.6 | 10.7 | -12.8 | -24.9 | a | 96 | 360 | 71 | Y |
| 16 16 00.81 | -22 14 19.3 | 56829 | 14.6 | 11.0 | -7.1 | -28.1 | b | | 360 | 41 | Y |
| 15 56 42.45 | -20 39 34.2 | 56829 | 14.6 | 10.3 | -13.5 | -27.7 | a | 98 | 360 | 77 | Y |
| 16 17 27.70 | -24 21 02.6 | 56829 | 14.6 | 10.3 | -2.9 | -23.1 | a | 89 | 360 | 38 | Y |
| 16 19 48.86 | -21 40 36.0 | 56829 | 14.6 | 10.8 | -7.7 | -19.7 | a | 94 | 360 | 58 | Y |
| 16 27 12.74 | -25 04 01.8 | 56829 | 14.7 | 9.4 | -3.4 | -27.0 | b | | 360 | 100 | Y |
| 16 27 40.92 | -26 10 56.8 | 56829 | 14.7 | 10.5 | -5.2 | -20.9 | a | 93 | 360 | 58 | |
| 16 17 21.63 | -23 25 00.4 | 56829 | 14.7 | 10.8 | -5.3 | -20.5 | a | 91 | 360 | 52 | Y |
| 16 23 17.41 | -21 59 07.0 | 56829 | 14.7 | 10.2 | -15.0 | -23.8 | a | 96 | 360 | 51 | Y |
| 16 17 13.80 | -22 51 58.5 | 56829 | 14.7 | 10.9 | -9.3 | -25.7 | a | 85 | 360 | 49 | Y |
| 16 03 14.91 | -22 34 45.5 | 56829 | 14.7 | 10.7 | -8.8 | -26.3 | b | | 360 | 30 | Y |
| 15 58 06.40 | -23 40 41.9 | 56829 | 14.7 | 10.7 | -11.3 | -32.8 | a | 91 | 360 | 54 | Y |
| 16 12 50.83 | -18 36 59.5 | 56829 | 14.7 | 9.6 | -8.4 | -15.6 | b | | 360 | 67 | |
| 16 08 20.77 | -21 31 23.4 | 56830 | 14.6 | 10.8 | -14.2 | -28.4 | a | 80 | 360 | 44 | Y |
| 15 59 01.93 | -26 16 33.0 | 56830 | 14.6 | 11.3 | -17.7 | -27.9 | b | | 360 | 26 | Y |
| 16 16 47.94 | -24 40 28.2 | 56830 | 14.7 | 10.3 | -7.8 | -18.2 | a | 92 | 360 | 53 | |
| 15 58 36.20 | -19 46 13.5 | 56830 | 14.8 | 10.7 | -16.4 | -19.5 | a | 95 | 360 | 52 | Y |
| 15 58 15.73 | -20 21 36.8 | 56830 | 14.8 | 11.1 | -4.5 | -30.6 | a | 59 | 360 | 29 | Y |
| 15 56 34.26 | -20 03 33.3 | 56830 | 14.8 | 10.9 | -7.1 | -17.1 | b | | 360 | 35 | Y |
| 15 55 44.48 | -22 06 42.7 | 56830 | 14.9 | 10.7 | -17.6 | -23.3 | b | | 360 | 49 | |
| 16 01 34.47 | -20 38 01.6 | 56830 | 14.9 | 11.3 | -14.1 | -22.5 | b | | 360 | 40 | |
| 16 01 29.03 | -25 09 06.9 | 56830 | 14.9 | 10.1 | -10.7 | -26.9 | b | | 360 | 50 | Y |
| 16 07 14.02 | -17 02 42.7 | 56830 | 14.9 | 10.8 | -10.3 | -20.5 | a | 97 | 360 | 57 | Y |
| 16 02 23.57 | -22 59 33.3 | 56830 | 14.9 | 11.0 | -8.4 | -28.9 | b | | 300 | 22 | Y |

*Continued on next page*

**Table 1.** Summary of WiFeS observations of candidate Upper-Scorpius members; the V magnitude provided is either taken from APASS, where available, or interpolated from J and K according to the Kepler K2 instructions.

| R.A. (J2000.0) | Decl. (J2000.0) | MJD | V (mag) | K (mag) | $\mu_\alpha$ (mas) | $\mu_\delta$ (mas) | Source | $P_{mem}$ | T (sec) | SNR | M? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 14 52.41 | -25 13 52.4 | 56830 | 14.9 | 10.5 | -15.6 | -21.9 | a | 97 | 360 | 43 | Y |
| 16 11 16.87 | -26 39 33.1 | 56830 | 14.8 | 11.4 | -8.4 | -30.8 | b | | 360 | 31 | Y |
| 16 09 07.78 | -27 34 22.1 | 56830 | 14.8 | 11.4 | -18.4 | -35.0 | b | | 360 | 36 | |
| 16 10 03.94 | -27 28 48.0 | 56830 | 14.8 | 11.2 | -17.7 | -20.3 | b | | 360 | 38 | Y |
| 16 09 52.88 | -24 41 53.6 | 56830 | 14.8 | 10.9 | -17.7 | -24.3 | b | | 360 | 33 | Y |
| 16 16 08.55 | -20 41 51.5 | 56830 | 14.8 | 10.7 | -11.2 | -27.7 | a | 96 | 360 | 59 | Y |
| 16 12 17.24 | -28 39 08.6 | 56830 | 14.8 | 11.3 | 0.3 | -37.8 | a | 0 | 360 | 29 | Y |
| 16 31 43.62 | -28 46 35.2 | 56830 | 14.8 | 11.0 | -4.0 | -18.8 | b | | 360 | 28 | |
| 16 20 06.86 | -22 47 32.1 | 56830 | 14.8 | 10.8 | -4.6 | -16.2 | b | | 360 | 44 | Y |
| 16 26 20.16 | -22 33 12.7 | 56830 | 14.8 | 10.4 | -18.0 | -27.7 | a | 95 | 360 | 54 | Y |
| 16 11 13.95 | -20 19 18.9 | 56830 | 14.8 | 10.4 | -9.7 | -24.3 | a | 97 | 360 | 53 | Y |
| 16 16 23.53 | -28 03 24.1 | 56830 | 14.7 | 11.3 | -8.3 | -23.7 | b | | 360 | 37 | |
| 16 25 32.74 | -26 11 38.6 | 56830 | 14.8 | 11.0 | -17.7 | -31.1 | b | | 360 | 34 | Y |
| 16 26 49.58 | -27 32 06.9 | 56830 | 14.8 | 9.8 | 0.5 | -14.8 | a | 6 | 360 | 108 | |
| 16 32 35.87 | -16 12 57.8 | 56830 | 14.8 | 9.6 | -8.3 | -13.1 | b | | 360 | 86 | Y |
| 16 26 19.98 | -22 58 10.0 | 56830 | 14.8 | 10.5 | -4.8 | -18.9 | a | 92 | 360 | 66 | Y |
| 16 10 39.79 | -20 37 09.5 | 56830 | 14.9 | 9.9 | -6.2 | -24.9 | a | 90 | 360 | 62 | Y |
| 16 15 47.33 | -19 11 18.5 | 56830 | 14.9 | 9.7 | -6.9 | -22.0 | a | 88 | 360 | 74 | Y |
| 16 13 38.35 | -21 58 52.0 | 56830 | 14.9 | 11.0 | -5.3 | -24.7 | a | 73 | 360 | 46 | Y |
| 16 15 06.20 | -25 00 46.1 | 56830 | 14.9 | 10.1 | -16.1 | -22.7 | a | 88 | 360 | 34 | Y |
| 16 23 55.10 | -23 30 40.0 | 56830 | 14.9 | 10.1 | -2.1 | -27.7 | a | 74 | 360 | 74 | Y |
| 16 33 42.69 | -22 24 39.7 | 56830 | 14.9 | 10.1 | -1.4 | -13.8 | a | 35 | 360 | 110 | |
| 16 28 46.05 | -27 11 57.4 | 56830 | 14.9 | 10.4 | -14.7 | -24.6 | a | 97 | 360 | 80 | Y |
| 16 15 32.20 | -20 10 23.7 | 56830 | 14.8 | 8.9 | -6.1 | -27.2 | b | | 360 | 82 | Y |
| 16 33 35.04 | -27 15 44.9 | 56830 | 15.0 | 11.0 | -12.1 | -21.0 | a | 95 | 360 | 62 | Y |
| 16 30 08.79 | -24 32 29.4 | 56830 | 15.0 | 9.7 | -7.8 | -13.8 | b | | 360 | 116 | |
| 16 19 43.10 | -22 16 17.6 | 56830 | 15.0 | 11.3 | -16.3 | -19.7 | b | | 360 | 41 | Y |
| 16 28 07.37 | -20 17 47.8 | 56830 | 15.0 | 10.1 | -13.3 | -10.7 | a | 56 | 360 | 88 | |
| 16 17 06.08 | -22 25 41.2 | 56830 | 15.0 | 11.2 | -6.2 | -22.4 | a | 53 | 360 | 31 | Y |
| 16 21 59.76 | -27 06 36.6 | 56830 | 15.0 | 11.3 | -8.7 | -16.0 | b | | 360 | 38 | Y |
| 16 25 48.09 | -21 54 19.5 | 56830 | 15.0 | 11.2 | -19.4 | -24.7 | b | | 360 | 24 | Y |
| 16 02 14.89 | -24 38 32.6 | 56830 | 15.0 | 11.2 | -19.8 | -34.5 | b | | 360 | 24 | Y |
| 16 03 54.05 | -25 09 39.4 | 56830 | 15.0 | 11.4 | -10.4 | -33.4 | b | | 360 | 28 | Y |
| 16 02 44.48 | -25 43 32.3 | 56830 | 15.0 | 11.3 | -13.0 | -25.2 | b | | 360 | 32 | Y |
| 16 21 29.62 | -21 29 03.8 | 56830 | 14.9 | 11.2 | -4.9 | -22.2 | b | | 360 | 26 | Y |
| 16 13 10.09 | -24 35 24.8 | 56830 | 14.8 | 11.0 | -9.8 | -26.0 | b | | 360 | 30 | Y |
| 16 04 39.66 | -26 03 08.4 | 56830 | 14.7 | 11.4 | -0.1 | -30.2 | b | | 360 | 58 | |
| 16 09 00.52 | -27 45 19.4 | 56830 | 14.8 | 11.2 | -20.9 | -34.8 | b | | 360 | 14 | Y |
| 16 27 06.69 | -26 07 31.1 | 56831 | 10.1 | 8.3 | -10.7 | -17.1 | b | | 300 | 149 | |
| 16 28 24.95 | -27 23 18.4 | 56831 | 10.5 | 8.0 | -10.0 | -20.7 | a | 31 | 300 | 104 | |
| 16 12 43.73 | -26 00 17.3 | 56831 | 11.0 | 8.1 | -9.7 | -20.7 | b | | 300 | 17 | |
| 16 37 19.34 | -28 44 04.5 | 56831 | 14.0 | 10.7 | -8.1 | -18.6 | b | | 300 | 39 | |
| 16 18 43.89 | -28 10 26.1 | 56831 | 14.0 | 11.1 | -8.5 | -12.4 | b | | 300 | 60 | |
| 16 27 22.90 | -19 46 48.5 | 56831 | 14.0 | 11.3 | -5.3 | -15.5 | b | | 300 | 34 | |
| 16 23 43.51 | -26 25 37.5 | 56831 | 14.0 | 10.8 | -10.1 | -28.5 | b | | 300 | 28 | |
| 16 42 26.59 | -28 27 35.2 | 56831 | 14.0 | 10.3 | -11.5 | -9.8 | a | 31 | 300 | 71 | |
| 16 51 24.97 | -18 57 18.5 | 56831 | 14.0 | 11.1 | -12.4 | -30.8 | b | | 300 | 67 | |
| 16 33 20.41 | -15 34 14.2 | 56831 | 14.0 | 11.3 | -16.3 | -28.3 | b | | 300 | 81 | |
| 16 33 51.15 | -18 14 46.9 | 56831 | 14.0 | 11.3 | -3.3 | -36.5 | b | | 300 | 68 | |
| 16 24 26.67 | -27 20 10.2 | 56831 | 14.0 | 11.2 | -15.9 | -29.8 | b | | 300 | 79 | |
| 16 35 45.74 | -27 11 16.6 | 56831 | 14.0 | 10.3 | -11.4 | -24.2 | a | 97 | 300 | 60 | Y |
| 16 43 20.75 | -28 34 40.5 | 56831 | 14.0 | 10.5 | -5.8 | -11.4 | a | 44 | 300 | 70 | |
| 16 24 43.85 | -28 15 01.6 | 56831 | 14.0 | 10.1 | -4.2 | -16.2 | a | 18 | 180 | 68 | |
| 16 24 08.98 | -26 22 40.4 | 56831 | 14.0 | 11.1 | -14.7 | -21.5 | b | | 180 | 63 | |
| 16 37 48.40 | -28 10 26.3 | 56831 | 14.0 | 11.2 | -4.8 | -20.4 | b | | 180 | 69 | |
| 16 40 43.44 | -27 39 18.4 | 56831 | 14.0 | 11.2 | 0.9 | -24.3 | b | | 180 | 70 | |

*Continued on next page*

**Table 1.** Summary of WiFeS observations of candidate Upper-Scorpius members; the V magnitude provided is either taken from APASS, where available, or interpolated from J and K according to the Kepler K2 instructions.

| R.A. (J2000.0) | Decl. (J2000.0) | MJD | V (mag) | K (mag) | $\mu_\alpha$ (mas) | $\mu_\delta$ (mas) | Source | $P_{mem}$ | T (sec) | SNR | M? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 48 19.08 | -24 57 50.6 | 56831 | 14.0 | 10.3 | -6.4 | -10.5 | a | 30 | 180 | 91 | |
| 16 28 16.09 | -20 13 04.7 | 56831 | 14.0 | 11.1 | -2.2 | -27.4 | b | | 180 | 63 | |
| 16 37 01.77 | -15 57 01.9 | 56831 | 14.0 | 11.2 | 1.6 | -19.8 | b | | 180 | 60 | |
| 16 49 06.64 | -24 06 13.2 | 56831 | 14.1 | 10.8 | 3.9 | -20.8 | a | 27 | 180 | 51 | |
| 16 31 39.52 | -28 42 18.0 | 56831 | 14.1 | 10.1 | -0.1 | -30.3 | a | 1 | 180 | 43 | |
| 16 36 20.68 | -28 12 18.0 | 56831 | 14.0 | 9.5 | -2.8 | -16.8 | a | 55 | 180 | 19 | |