

1889

# Ring-Micrometer Observations of Comet e 1889 (Davidson)

Charles Leander Doolittle

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# RING-MICROMETER OBSERVATIONS OF COMET *e* 1889 (*DAVIDSON*),

MADE AT THE LEHIGH UNIVERSITY OBSERVATORY,

By C. L. DOOLITTLE.

| 1889 Greenwich M. T. | *        | No.<br>Comp. | — *            |                | s apparent  |              | log $p\Delta$ |              |
|----------------------|----------|--------------|----------------|----------------|-------------|--------------|---------------|--------------|
|                      |          |              | $\Delta\alpha$ | $\Delta\delta$ | $\alpha$    | $\delta$     | for $\alpha$  | for $\delta$ |
| d    h    m    s     |          |              | m    s         | '    ''        | h    m    s | °    '    '' |               |              |
| Aug. 18 13 33 42.7   | <i>a</i> | 7            | +0 30.37       | — 2 32.3       | 15 42 33.09 | +18 7 19.1   | 9.482         | 0.614        |
| 26 13 49 57.5        | <i>b</i> | 5            | +3 11.32       | + 1 38.8       | 16 4 58.46  | +23 12 32.2  | 9.548         | 0.536        |
| 27 13 51 34.2        | <i>c</i> | 10           | +0 32.59       | — 4 57.3       | 16 7 27.93  | +23 42 9.9   | 9.555         | 0.532        |
| 28 13 8 49.6         | <i>d</i> | 6            | —3 20.99       | +16 28.8       | 16 9 48.85  | +24 9 20.4   | 9.469         | 0.480        |
| 29 13 13 51.0        | <i>e</i> | 6            | +1 44.24       | —12 35.7       | 16 12 12.27 | +24 36 1.5   | 9.587         | 0.540        |
| 30 13 46 25.0        | <i>f</i> | 6            | —1 39.40       | —12 33.7       | 16 14 35.01 | +25 1 45.4   | 9.528         | 0.493        |
| 31 14 10 39.5        | <i>f</i> | 6            | +0 39.72       | +12 2.7        | 16 16 54.11 | +25 26 21.8  | 9.601         | 0.538        |

*Mean Places for 1889.0 of Comparison-Stars.*

| *<br>a | $\alpha$<br>h m s | Red. to<br>app. place | $\delta$<br>° ' " | Red. to<br>app. place. | Authority                            |
|--------|-------------------|-----------------------|-------------------|------------------------|--------------------------------------|
| a      | 15 42 1.86        | +0.86                 | +18 9 41.5        | + 9.9                  | Ring-micro. comp. with W.B. 15 . 985 |
| b      | 16 1 46.34        | +0.80                 | +23 10 41.6       | +11.8                  | Weisse's Bessel 15 . 1548            |
| c      | 16 6 54.53        | +0.81                 | +23 46 55.1       | +12.1                  | " " 16 . 155                         |
| d      | 16 13 9.02        | +0.82                 | +23 52 39.3       | +12.3                  | " " 16 . 351                         |
| e      | 16 10 27.26       | +0.77                 | +24 48 24.7       | +12.5                  | " " 16 . 274                         |
| f      | 16 16 13.63       | +0.78                 | +25 14 6 3        | +12.8                  | " " 16 . 429                         |
|        |                   | +0.76                 |                   | +12.8                  |                                      |

*Bethlehem, Pa., 1889 Sept. 2.*