

MEASURES OF 20  $\pi$  CASSIOPELE—Continued

| $\lambda$       | 8069    |               | 8234   |               | 8231    |               | 8239   |               | 8239   |               | 8240   |               | 8240    |               |
|-----------------|---------|---------------|--------|---------------|---------|---------------|--------|---------------|--------|---------------|--------|---------------|---------|---------------|
|                 | Vel.    | Wt.           | Vel.   | Wt.           | Vel.    | Wt.           | Vel.   | Wt.           | Vel.   | Wt.           | Vel.   | Wt.           | Vel.    | Wt.           |
| 4581            | +104.4  | $\frac{1}{4}$ | .....  | .....         | .....   | .....         | .....  | .....         | .....  | .....         | .....  | .....         | .....   | .....         |
| 4572            | 112.3   | $\frac{1}{2}$ | .....  | .....         | .....   | .....         | .....  | .....         | .....  | .....         | .....  | .....         | .....   | .....         |
| 4549            | 102.3   | $\frac{1}{2}$ | .....  | .....         | .....   | .....         | +81.5  | $\frac{1}{2}$ | -120.2 | $\frac{1}{2}$ | .....  | .....         | .....   | .....         |
| 4534            | 109.7   | $\frac{1}{2}$ | .....  | .....         | .....   | .....         | .....  | .....         | .....  | .....         | .....  | .....         | .....   | .....         |
| 4484            | .....   | .....         | +79.7  | $\frac{1}{4}$ | -137.4  | $\frac{1}{4}$ | 95.3   | $\frac{1}{2}$ | 108.5  | $\frac{1}{4}$ | +81.6  | $\frac{1}{4}$ | -114.5  | $\frac{1}{4}$ |
| 4415            | 115.4   | $\frac{1}{2}$ | 82.9   | $\frac{1}{4}$ | .....   | .....         | 67.9   | $\frac{1}{2}$ | .....  | .....         | .....  | .....         | .....   | .....         |
| 4401            | .....   | .....         | .....  | .....         | .....   | .....         | .....  | .....         | .....  | .....         | 113.9  | $\frac{1}{2}$ | .....   | .....         |
| 4310            | .....   | .....         | .....  | .....         | .....   | .....         | 75.2   | $\frac{1}{2}$ | 89.8   | $\frac{1}{2}$ | 88.8   | $\frac{1}{4}$ | -131.0  | $\frac{1}{4}$ |
| 4307            | 129.9   | $\frac{1}{4}$ | 76.2   | $\frac{1}{4}$ | 84.0    | $\frac{1}{4}$ | .....  | .....         | 77.5   | $\frac{1}{2}$ | .....  | .....         | .....   | .....         |
| 4290            | 88.7    | $\frac{1}{2}$ | .....  | .....         | .....   | .....         | 61.7   | $\frac{1}{2}$ | 70.9   | $\frac{1}{2}$ | .....  | .....         | .....   | .....         |
| 4271            | .....   | .....         | .....  | .....         | .....   | .....         | .....  | .....         | .....  | .....         | 92.0   | $\frac{3}{4}$ | .....   | .....         |
| 4236            | 85.3    | $\frac{1}{2}$ | .....  | .....         | .....   | .....         | 65.7   | $\frac{1}{2}$ | .....  | .....         | 108.5  | $\frac{1}{2}$ | .....   | .....         |
| 4215            | 98.3    | $\frac{1}{2}$ | .....  | .....         | .....   | .....         | .....  | .....         | .....  | .....         | .....  | .....         | .....   | .....         |
| 4202            | .....   | .....         | 102.2  | $\frac{1}{2}$ | .....   | .....         | .....  | .....         | .....  | .....         | .....  | .....         | .....   | .....         |
| 4198            | .....   | .....         | .....  | .....         | .....   | .....         | .....  | .....         | .....  | .....         | 113.4  | $\frac{1}{2}$ | .....   | .....         |
| 4143            | +95.1   | $\frac{1}{4}$ | 61.5   | $\frac{1}{2}$ | .....   | .....         | 60.7   | $\frac{1}{2}$ | .....  | .....         | 79.7   | $\frac{1}{2}$ | .....   | .....         |
| 4077            | .....   | .....         | .....  | .....         | .....   | .....         | 84.0   | $\frac{1}{2}$ | .....  | .....         | .....  | .....         | .....   | .....         |
| 4045            | .....   | .....         | 89.0   | $\frac{1}{2}$ | 91.5    | $\frac{1}{4}$ | +77.8  | $\frac{1}{2}$ | -75.8  | $\frac{1}{2}$ | +98.9  | $\frac{3}{4}$ | .....   | .....         |
| 4005            | .....   | .....         | +104.5 | $\frac{1}{4}$ | -101.0  | $\frac{1}{4}$ | .....  | .....         | .....  | .....         | .....  | .....         | .....   | .....         |
| Weighted mean   | +103.47 |               | +81.30 |               | -194.22 |               | +71.71 |               | -88.76 |               | +98.38 |               | -121.25 |               |
| $V_s$           | -19.83  |               | +22.98 |               | +22.98  |               | +22.98 |               | +22.98 |               | +22.98 |               | +22.98  |               |
| $V_d$           | - .15   |               | + .40  |               | + .10   |               | + .15  |               | + .15  |               | + .09  |               | + .09   |               |
| Curv.           | - .28   |               | - .28  |               | - .28   |               | - .28  |               | - .28  |               | - .28  |               | - .28   |               |
| Radial Velocity | +82.9   |               | +107.1 |               | -81.4   |               | +97.6  |               | -65.9  |               | +121.2 |               | -98.5   |               |