

OSSERVAZIONI DI 135 STELLE DOPPIE E MULTIPLE

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SOMMARIO. — Negli anni 1954 e 1955 sono state eseguite col rifrattore Merz-Repsold dell'Osservatorio di Merate ($\varnothing = 487$ mm, $f = 698$ cm) 400 osservazioni visuali di 135 stelle doppie (126 binarie e 9 triple).

ABSTRACT. — Observations of 135 double and multiple stars made in the years 1954-55 by the author with the Merz-Repsold refractor ($\varnothing = 487$ mm; $f = 698$ mm) at the Astronomical Observatory of Merate-Milano.

1. — La presente nota contiene 400 osservazioni di 126 binarie e 9 sistemi tripli; 62% provengono da un catalogo di « stelle desiderate » preparato e raccomandato allo scrivente da P. Muller (Strasburgo), 27 stelle sono orbitali; 6 stelle non sono state osservate dopo il catalogo di Aitken (1925).

2. — Tutte le osservazioni sono state eseguite durante gli anni 1954-1955 al rifrattore di Merz-Repsold dell'Osservatorio astronomico di Merate-Milano di 487 mm di apertura e di 698 cm di distanza focale. Le osservazioni visuali furono sempre fatte a campo scuro e fili illuminati, ordinariamente in posizione del cannocchiale prossima al meridiano e quasi sempre con un oculare di ingrandimento di 650 volte. Avendo soggiornato soltanto periodicamente all'Osservatorio di Merate, lo scrivente fu obbligato di sfruttare tutte le possibilità, anche in condizioni meteorologiche sfavorevoli, per cui le osservazioni non sono state sempre ottime. Al pari era impossibile di controllare continuamente e rigorosamente il moto orario del rifrattore; in particolare le misure delle distanze sono imperfette e, probabilmente, troppo grandi. Salvo poche eccezioni, furono effettuate per ogni osservazione quattro puntate nell'angolo di posizione p e nella distanza d delle due stelle della coppia. In generale era possibile di fare la bisezione ma, con coppie strette ($d < 1'',5$) — o in condizioni meteorologiche difficili, anche $d < 2'',5$ — era necessario di fare puntate tangenziali ($|00|$). Il valore del passo micrometrico è stato molte volte determinato ⁽¹⁾:

(*) Ricevuta il 21 dicembre 1955.

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|--------------|------|---------|--|
| Schiaparelli | 1890 | 22".420 | (con errori periodici) |
| Gabba | 1924 | 22".39 | Passaggi equatoriali, coppie di Battermann e arco di |
| Bianchi | 1930 | 22".384 | Perseo |
| Cavedon | 1952 | 22".417 | Passaggi equatoriali |

Un controllo del valore del passo micrometrico per mezzo del passaggio in meridiano della Polare il 6.XI.1955 ha fornito il valore $1^R = 22",485 \pm 0",09$, cosicchè il valore di Schiaparelli sembra essere preferibile ai valori più tardi usati da M. Campa e E. Krüger; e anche B. Cester⁽²⁾ ha del resto adoperato per le sue misure a Merate nel luglio 1954 il valore $22",42$. Lo scrivente ha usato il valore $1^R = 22",42$ di Schiaparelli, abbandonando il valore $22",38$.

3. — Nella Tabella I sono registrate le osservazioni corrispondenti all'ordine del catalogo di Aitken. Nella prima colonna è dato il numero di Aitken ADS ed eventualmente indicazioni circa osservazioni rare della coppia. Binarie con orbita conosciuta sono segnate con un asterisco *. Nella seconda colonna è portato il sinonimo della coppia e sotto l'epoca delle osservazioni (1900 +).

Nella tabella II è riportato il confronto delle osservazioni e dei valori gli angoli di posizione misurati, nella quarta colonna sotto la declinazione (1950.0) le distanze misurate. In queste tre ultime colonne sono riportate anche le medie degli argomenti. Nell'ultima colonna sono riportati sotto l'indicazione delle grandezze delle due componenti annotazioni generali sulla situazione meteorologica e strumentale, in particolare indicazioni delle misure in posizioni molto distanti dal meridiano ($t > 3^h$) e delle misure tangenziali col micrometro ($|oo|$).

Nella tabella II è riportato il confronto delle osservazioni e dei valori calcolati dell'angolo di posizione (P) e della distanza (d) per le stelle orbitali. Nella prima colonna sono dati i numeri del catalogo Aitken, nella seconda l'epoca della effemeride dell'orbita e nella terza e quarta colonna le differenze O—C (Osservazione - Calcolo) in p e d . L'ultima colonna contiene il nome dell'autore e la fonte. L'abbreviazione C.I. indica « Circulaire d'Information » della Commissione 26 (Stelle doppie) dell'IAU.

Colgo qui l'occasione per ringraziare vivamente il Prof. F. Zagar, Direttore degli Osservatori Astronomici di Milano e Merate per avermi offerto la possibilità di frequentare l'Osservatorio di Merate e di utilizzare lo strumento suddetto. Devo ringraziare anche il Dott. P. Muller, Presidente della Commissione delle stelle doppie dell'IAU per tutte le sue informazioni.

TABELLA I

| | | | | |
|------------|------------------------------|---------------------------------------|--------------|-----------------|
| * ADS 671 | η Cass = Σ 60 | A = 0 ^h 46 ^m .1 | D = 57°33' | 4.0 — 7.6 |
| | 55.079 | 289.8 | 10.72 | |
| | 55.119 | 291.4 | 10.07 | t = 4h; nebbia |
| | 55.122 | 294.9 | 10.23 | vento |
| | <u>55.107</u> | <u>292.0</u> | <u>10.34</u> | |
| ADS 1198 | Σ 118 | A = 1 ^h 28 ^m .8 | D = 83°06' | 8.5 — 9.4 |
| | 55.079 | 84.5 | 12.79 | |
| | 55.114 | 88.8 | 13.22 | nebbia: t = 4h |
| | 55.119 | 85.3 | 13.19 | |
| | 55.122 | 85.2 | 13.77 | vento |
| | <u>55.109</u> | <u>85.9</u> | <u>13.24</u> | |
| ADS 1477 | α U Min = Σ 93 | A = 1 ^h 48 ^m .8 | D = 89°02' | 2.0 — 9.0 |
| | 55.213 | 215.4 | 18.62 | t = 4h,8 |
| | 55.221 | 217.7 | 18.43 | |
| | 55.224 | 218.5 | 17.90 | |
| | 55.309 | 218.7 | 18.90 | t = 8h |
| | 55.312 | 219.0 | 18.58 | t = 7h,8 |
| | 55.314 | 218.2 | 17.94 | t = 7h,8 |
| | 55.407 | 216.9 | 18.56 | t = — 1h,5 |
| | <u>55.296</u> | <u>217.8</u> | <u>18.42</u> | |
| * ADS 1598 | 48 Cass = β 813 | A = 1 ^h 57 ^m .8 | D = 70°40' | 5.0 — 7.5 |
| | 55.079 | 216.8 | 0.92 | |
| | 55.114 | 224.9 | 1.01 | t = 5h; 00; 3p |
| | <u>55.097</u> | <u>220.8</u> | <u>0.96</u> | |
| ADS 1630 | γ And = 0 Σ 38 | A = 2 ^h 00 ^m .8 | D = 42°06' | 3.0 — 5.0 |
| A—BC | 55.079 | 62.6 | 10.91 | |
| | 55.114 | 62.9 | 10.84 | |
| | 55.122 | 67.7 | 11.11 | t = 4h; vento |
| | <u>55.107</u> | <u>64.4</u> | <u>10.95</u> | |
| ADS 2616 | 7 Tau = Σ 412 | A = 3 ^h 31 ^m .6 | D = 24°18' | 6.6 — 6.7 |
| AB—C | 55.079 | 54.6 | 22.21 | |
| | 55.119 | 58.0 | 22.09 | nebbia |
| | 55.122 | 55.8 | 22.96 | t = 3h,5; vento |
| | <u>55.107</u> | <u>56.1</u> | <u>22.42</u> | |

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|------------|----------------------------|---------------------------------------|----------------|--|
| ADS 2755 | β 536 | A = 3 ^h 43 ^m .3 | D = 24°02' | 8.3 — 8.0 |
| AB—C | 55.119 55.122 | 305.8 306.0 | 39.13 39.04 | t = 3 ^h .5 vento |
| | <u>55.121</u> | <u>305.9</u> | <u>39.09</u> | |
| * ADS 2959 | Σ 483 | A = 4 ^h 00.7 | D = 39°23' | 10.5 — 10.5 |
| | 55.119 55.122 | 169.6 160.6 | 0.74 0.92 | t = 4 ^h ; 2p; 00 00; vento |
| | <u>55.121</u> | <u>165.1</u> | <u>0.83</u> | |
| ADS 3318 | Σ 570 | A = 4 ^h 32.9 | D = — 9°50' | 7.0 — 8.0 |
| | 55.213 55.221 | 260.2 258.9 | 13.15 12.79 | |
| | <u>55.217</u> | <u>259.6</u> | <u>12.97</u> | |
| ADS 4002 | η ori = Da 5 | A = 5 ^h 22 ^m .0 | D = — 2°26' | 4.0 — 5.0 |
| | 55.213 55.221 | 70.2 77.2 | 1.74 2.07 | |
| | <u>55.217</u> | <u>73.7</u> | <u>1.91</u> | |
| ADS 4390 | 52 Ori = Σ 795 | A = 5 ^h 45 ^m .3 | D = 6°26' | 6.2 — 6.2 |
| | 55.213 55.221 | 204.6 206.3 | 1.14 1.19 | 00 00 |
| | <u>55.217</u> | <u>205.5</u> | <u>1.17</u> | |
| ADS 4929 | Σ 895 | A = 6 ^h 16.8 | D = 28°27' | 7.5 — 9.2 |
| AB—C | 55.221 55.224 | 262.0 260.7 | 3.14 3.06 | |
| | <u>55.223</u> | <u>261.4</u> | <u>3.10</u> | |
| ADS 5107 | β Mon = Σ 919 | A = 6 ^h 26 ^m .4 | D = — 7°00' | 5.0 — 5.5 |
| AB | 55.213 55.221 | 134.4 131.6 | 8.77 8.30 | nebbia |
| | <u>55.217</u> | <u>133.0</u> | <u>8.54</u> | |
| AC | 55.213 55.221 | 124.8 123.4 | 10.60 10.66 | 5.0 — 6.0 nebbia |
| | <u>55.217</u> | <u>124.1</u> | <u>10.63</u> | |
| BC | 55.213 55.221 | 106.7 107.2 | 3.15 3.33 | 5.5 — 6.0 nebbia |
| | <u>55.217</u> | <u>107.0</u> | <u>3.24</u> | |

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|----------------------|--------------------------|---------------------------------------|--------------|-----------|
| ADS 5400 | 12 Lyn = Σ 948 | A = 6 ^h 41.8 | D = 59°30' | 5.2 — 6.1 |
| AB | 55.213 | 99.8 | 1.18 | 00 |
| | 55.221 | 90.6 | 1.19 | 00 |
| | <u>55.217</u> | <u>95.0</u> | <u>1.19</u> | |
| AC | 55.213 | 306.3 | 8.95 | 5.2 — 7.4 |
| | 55.221 | 305.2 | 9.71 | |
| | <u>55.217</u> | <u>305.8</u> | <u>9.33</u> | |
| BC | 55.213 | 300.9 | 12.87 | |
| | 55.221 | 297.9 | 13.39 | |
| | <u>55.217</u> | <u>299.4</u> | <u>13.13</u> | |
| ADS 5599 | Gallo 277 | A = 6 ^h 53.4 | D = — 10°13' | 9 — 10 |
| ultima e sola osser- | 55.312 | 142.5 | 3.46 | difficile |
| vazione 1904.7: | 55.314 | 144.9 | 2.77 | vapore |
| 145°0.8; 6''04 | <u>55.313</u> | <u>143.7</u> | <u>3.12</u> | |
| * ADS 5871 | Σ 1037 | A = 7 ^h 00 ^m .7 | D = 27°19' | 7.1 — 7.1 |
| | 55.221 | 322.6 | 0.88 | 00 |
| | 55.224 | 324.9 | 1.38 | 00 |
| | <u>55.223</u> | <u>323.8</u> | <u>1.13</u> | |
| * ADS 6175 | α Gem | A = 7 ^h 31.4 | D = 32°00' | 2.7 — 3.7 |
| AB | 55.221 | 177.3 | 3.41 | nebbia |
| | 55.224 | 176.9 | 2.97 | |
| | <u>55.223</u> | <u>177.1</u> | <u>3.19</u> | |
| AB — C | 55.221 | 162.7 | 71.65 | — 9.5 |
| | 55.224 | 164.7 | 71.42 | |
| 2 | <u>55.223</u> | <u>163.7</u> | <u>71.54</u> | |
| ADS 6811 | v' Can = Σ 1224 | A = 8 ^h 23 ^m .7 | D = 24°42' | 6.0 — 7.1 |
| A—BC | 55.221 | 48.4 | 6.73 | |
| | 55.309 | 45.6 | 6.28 | |
| | 55.312 | 45.4 | 6.14 | |
| | <u>55.281</u> | <u>46.5</u> | <u>6.38</u> | |
| ADS 6829 | Σ 1225 | A = 8 ^h 26 ^m .1 | D = 51°22' | 8.5 — 8.5 |
| | 55.309 | 196.4 | 4.29 | vapore |
| | 55.314 | 191.7 | 4.96 | |
| | <u>55.312</u> | <u>194.1</u> | <u>4.63</u> | |

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|------------|--------------------------------------|---------------------------------------|--------------|---------------------------|
| ADS 7019 | Σ 1279 | A = 8 ^h 46 ^m .7 | D = 39°47' | 8.3 — 8.3 |
| | 55.309 | 269.7 | 1.71 | 00 |
| | 55.312 | 266.5 | 1.54 | 00 |
| | <u>55.311</u> | <u>268.1</u> | <u>1.63</u> | |
| ADS 7071 | i ² 57 Can = Σ 291 | A = 8 ^h 51 ^m .2 | D = 30°46' | 5.9 — 6.4 |
| | 55.309 | 316.1 | 1.12 | 00 |
| | 55.312 | 312.2 | 1.13 | 00 |
| | <u>55.311</u> | <u>314.1</u> | <u>1.13</u> | |
| ADS 7114 | iU Maj | A = 8 ^h 55.8 | D = 48°14' | 3.1 — 9.5 |
| A — BC | 55.312 | 10.6 | 6.82 | |
| | 55.314 | 12.3 | 6.42 | difficile |
| | <u>55.313</u> | <u>11.5</u> | <u>6.62</u> | |
| * ADS 7203 | σ^2 U Maj = Σ 1306 | A = 9 ^h 06.0 | D = 67°20' | 5.0 — 8.2 |
| | 55.309 | 15.1 | 1.72 | 00 |
| | 55.312 | 11.7 | 2.27 | 00 |
| | <u>55.311</u> | <u>13.4</u> | <u>2.00</u> | |
| ADS 7215 | 0 Σ 197 | A = 9 ^h 06.9 | D = 03°09' | 7.4 — 9.0 |
| | 55.309 | 53.6 | 1.61 | 00 |
| | 55.312 | 60.8 | 2.19 | 00 |
| | <u>55.311</u> | <u>57.2</u> | <u>1.90</u> | |
| * ADS 7307 | Σ 1338 | A = 9 ^h 17 ^m .9 | D = 38°24' | 7.0 — 7.2 |
| | 55.312 | 216.9 | 1.04 | 00; t = 3 ^h .5 |
| | 55.407 | 215.4 | 1.01 | 00; t = 4 ^h |
| | <u>55.360</u> | <u>216.2</u> | <u>1.03</u> | |
| ADS 7565 | Σ 1387 | A = 9 ^h 51 ^m .0 | D = 69°11' | 9.5 — 9.5 |
| | 55.309 | 269.7 | 10.26 | |
| | 55.312 | 266.4 | 10.22 | vento forte |
| | <u>55.311</u> | <u>268.0</u> | <u>10.24</u> | |
| ADS 7566 | Σ 1386 | A = 9 ^h 51 ^m .0 | D = 69°08' | 8.2 — 8.2 |
| | 55.309 | 107.4 | 1.94 | 00 |
| | 55.312 | 100.5 | 2.57 | 00; vento forte |
| | <u>55.311</u> | <u>104.0</u> | <u>2.26</u> | |

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| ADS 7824 | Σ 1437 | A = 10 ^h 30 ^m .2 | D = 74°06' | 7.2 — 9.7 |
| ultima osservazio- ne 1924.96: 2890.8; 23''.47 | 55.449 55.452 | 290.4 288.5 | 24.46 24.04 | t = 6.2 t = 3.4 |
| | <u>55.451</u> | <u>289.5</u> | <u>24.25</u> | |
| ADS 8016 | Σ 1479 | A = 10 ^h 58 ^m .0 | D = 83°30' | 8.0 — 9.0 |
| | 55.444 55.449 55.452 | 20.3 15.0 22.2 | 5.84 5.64 5.55 | 3p; pavim. immobile t = 6.2 |
| | <u>55.448</u> | <u>19.2</u> | <u>5.68</u> | |
| * ADS 8119 | ξ U Maj = Σ 1528 | A = 11 ^h 15 ^m .6 | D = 31°49' | 4.0 — 4.9 |
| | 55.407 55.444 55.449 | 174.7 178.4 179.3 | 1.36 1.67 1.68 | 00 00; 3p; pavim. imm. 00 |
| | <u>55.433</u> | <u>177.5</u> | <u>1.57</u> | |
| ADS 8197 | 0 Σ 235 | A = 11 ^h 29 ^m .5 | D = 61°22' | 6.0 — 7.3 |
| | 55.449 55.452 | 69.8 69.5 | 1.52 1.83 | t = 5.2 t = 3.4 |
| | <u>55.451</u> | <u>69.7</u> | <u>1.68</u> | |
| * ADS 8539 | Σ 1639 | A = 12 ^h 21 ^m .9 | D = 25°52' | 6.7 — 7.9 |
| | 55.444 55.449 | 335.6 336.4 | 1.07 1.19 | 00; 3p; pavim. imm. 00 |
| | <u>55.447</u> | <u>336.0</u> | <u>1.13</u> | |
| * ADS 8630 | γ Vir = Σ 1670 | A = 12 ^h 39 ^m .1 | D = — 1°11' | 3.0 — 3.0 |
| | 55.407 55.449 55.452 | 308.0 307.5 308.8 | 5.88 5.62 6.04 | immagini gonfiate |
| | <u>55.436</u> | <u>308.1</u> | <u>5.85</u> | |
| ADS 8738 | Σ 1720 | A = 12 ^h 58 ^m .6 | D = 83°12' | 8.4 — 8.7 |
| | 55.444 55.449 55.452 | 333.8 324.7 324.5 | 1.82 2.31 1.81 | 3p; pavim. immobile |
| | <u>55.448</u> | <u>327.7</u> | <u>1.98</u> | |
| ADS 8772 | β 799 | A = 13 ^h 03 ^m .3 | D = 73°18' | 6.5 — 8.5 |
| AB | 55.449 55.452 | 242.2 258.6 | 0.88 0.84 | 00 00 |
| | <u>55.451</u> | <u>250.4</u> | <u>0.86</u> | |
| AB — C | 55.449 55.452 | 195.5 195.1 | 91.69 90.52 | |
| nuova stella di con- fronto c | <u>55.451</u> | <u>195.3</u> | <u>91.11</u> | |

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|------------|--------------------------|--|-------------|-------------------------|
| ADS 8843 | 0 Σ 263 | A = 13 ^h 14 ^m .5 | D = 50°50' | 7.7 — 8.5 |
| | 55.449 | 122.8 | 2.71 | t = 3.2 |
| | 55.452 | 131.1 | 2.23 | |
| | <u>55.451</u> | <u>127.0</u> | <u>2.47</u> | |
| * ADS 8974 | 25 C Ven = Σ 1768 | A = 13 ^h 35 ^m .2 | D = 36°33' | 5.7 — 7.6 |
| | 55.444 | 97.4 | 2.48 | 3p; pavim. immobile |
| | 55.449 | 89.7 | 1.94 | |
| | 55.452 | 101.2 | 2.26 | |
| | <u>55.448</u> | <u>96.1</u> | <u>2.33</u> | |
| * ADS 9031 | Σ 1785 | A = 13 ^h 46 ^m .8 | D = 27°14' | 7.2 — 7.5 |
| | 55.449 | 135.8 | 3.04 | |
| | 55.452 | 139.1 | 3.42 | |
| | <u>55.451</u> | <u>137.4</u> | <u>3.23</u> | |
| ADS 9118 | Σ 1804 | A = 14 ^h 05 ^m .9 | D = 21°26' | 8.0 — 9.0 |
| | 55.474 | 14.5 | 4.64 | |
| | 55.476 | 13.7 | 5.43 | |
| | <u>55.475</u> | <u>14.1</u> | <u>5.04</u> | |
| ADS 9119 | A 2065 | A = 14 ^h 06 ^m .0 | D = 16°58' | 8.5 — 10.2 |
| | 55.474 | 352.2 | 1.43 | 00 |
| | 55.476 | 353.5 | 1.50 | 00 |
| | <u>55.475</u> | <u>352.9</u> | <u>1.47</u> | |
| ADS 9167 | Σ 1820 | A = 14 ^h 11 ^m .4 | D = 55°33' | 8.2 — 8.5 |
| | 55.474 | 101.4 | 2.46 | |
| | 55.476 | 102.2 | 1.86 | |
| | <u>55.475</u> | <u>101.8</u> | <u>2.16</u> | |
| ADS 9236 | Σ 1849 | A = 14 ^h 19 ^m .9 | D = 76°56' | 8.5 — 9.0 |
| | 55.474 | 3.9 | 1.63 | 00 |
| | 55.520 | 1.1 | 1.61 | 3p; fili non illuminati |
| | 55.526 | 9.3 | 2.23 | |
| | <u>55.507</u> | <u>4.8</u> | <u>1.82</u> | |
| ADS 9389 | Σ 1884 | A = 14 ^h 46 ^m .2 | D = 24°34' | 6.2 — 7.8 |
| | 55.474 | 53.1 | 2.58 | |
| | 55.476 | 59.1 | 3.06 | |
| | <u>55.475</u> | <u>56.1</u> | <u>2.82</u> | |

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|------------|------------------------|--|-------------|-------------------------|
| ADS 9467 | Σ 1885 | A = 14 ^h 48 ^m .0 | D = 00°11' | 8.3 — 8.8 |
| | 55.474 | 145.7 | 4.76 | |
| | 55.476 | 147.2 | 4.57 | |
| | <u>55.475</u> | <u>146.5</u> | <u>4.67</u> | |
| ADS 9428 | Σ 1892 | A = 14 ^h 51 ^m .3 | D = 59°15' | 8.5 — 9.7 |
| | 55.474 | 235.9 | 3.82 | |
| | 55.476 | 239.6 | 4.17 | |
| | 55.526 | 245.6 | 4.38 | |
| | <u>55.492</u> | <u>240.4</u> | <u>4.12</u> | |
| ADS 9450 | Σ 1898 | A = 14 ^h 55 ^m .2 | D = 59°35' | 7.8 — 9.8 |
| | 55.474 | 213.4 | 3.36 | |
| | 55.476 | 212.0 | 3.60 | |
| | 55.526 | 217.8 | 3.72 | |
| | <u>55.500</u> | <u>214.4</u> | <u>3.56</u> | |
| * ADS 9494 | 44 Boo = Σ 1909 | A = 15 ^h 02 ^m .2 | D = 47°51' | 5.2 — 6.1 |
| | 55.474 | 250.5 | 1.38 | 00 |
| | 55.476 | 260.0 | 1.36 | 00 |
| | 55.520 | 252.1 | 1.34 | 00; 3p; fili non illum. |
| | 55.526 | 259.5 | 1.39 | 00 |
| | 55.572 | 256.7 | 1.20 | 00 |
| | <u>55.516</u> | <u>255.8</u> | <u>1.34</u> | |
| ADS 9587 | Es 740 | A = 15 ^h 17 ^m .3 | D = 53°44' | 8.9 — 9.4 |
| | 55.520 | 37.1 | 4.38 | 3p; fili non illuminati |
| | 55.526 | 37.1 | 4.42 | |
| | <u>55.523</u> | <u>37.1</u> | <u>4.40</u> | |
| ADS 9639 | 0 Σ 296 | A = 15 ^h 24 ^m .7 | D = 44°11' | 7.0 — 8.6 |
| | 55.575 | 286.1 | 1.81 | 00 |
| | 55.578 | 286.1 | 2.42 | 00 |
| | <u>55.577</u> | <u>286.1</u> | <u>2.12</u> | |
| ADS 9644 | Σ 3125 | A = 15 ^h 25 ^m .0 | D = 67°14' | 8.7 — 9.0 |
| | 55.520 | 263.9 | 3.48 | 3p; fili non illuminati |
| | 55.526 | 261.5 | 3.32 | motoorario arrest. |
| | 55.572 | 265.3 | — | |
| | 55.575 | 265.0 | 2.69 | |
| | <u>55.556</u> | <u>263.9</u> | <u>3.16</u> | |

segue tabella I

| | | | | |
|-------------|--|--|--|-------------------------------------|
| ADS 9891 | Σ 2006 | A = 15 ^h 59 ^m .4 | D = 59°04' | 7.5 — 9.2 |
| AB | 55.575 55.578 <hr/> 55.577 | 196.5 190.7 <hr/> 193.6 | 1.39 1.98 <hr/> 1.69 | 00 00 |
| AC | 55.575 55.578 <hr/> 55.577 | 213.9 214.2 <hr/> 214.1 | 46.14 46.26 <hr/> 46.20 | 7.5 — 7.7 |
| ADS 9940 | Σ 2015 | A = 16 ^h 07 ^m .4 | D = 45°29' | 7.7 — 8.8 |
| | 55.575 55.578 <hr/> 55.577 | 155.9 160.4 <hr/> 158.2 | 4.12 3.58 <hr/> 3.85 | |
| ADS 9966 | Σ 2022 | AA = 16 ^h 10 ^m .7 | D = 26°48' | 6.2 — 9.8 |
| | 55.589 55.594 55.597 <hr/> 55.593 | 154.0 152.2 150.4 <hr/> 152.2 | 2.82 3.18 3.06 <hr/> 3.02 | nebbia |
| * ADS 9979 | σ C Cor bor = Σ 2032 | A = 16 ^h 12 ^m .8 | D = 33° 59' | 5.0 — 6.1 |
| | 54.580 54.641 <hr/> 54.611 | 227.1 226.8 <hr/> 227.0 | 6.36 6.32 <hr/> 6.34 | |
| ADS 10021 | Σ 2045 | A = 16 ^h 19 ^m .6 | D = 61°37' | 8.0 — 9.2 |
| | 55.575 55.578 <hr/> 55.577 | 186.9 182.9 <hr/> 184.9 | 2.81 3.08 <hr/> 2.95 | |
| * ADS 10087 | λ Oph = Σ 2055 | A = 16 ^h 28 ^m .4 | D = 02°06' | 4.0 — 6.1 |
| | 55.575 55.578 <hr/> 55.577 | 314.2 317.7 <hr/> 316.0 | 1.09 1.17 <hr/> 1.13 | 00; coppia diffusa 00; difficile |
| * ADS 10126 | Σ 2072 | A = 16 ^h 34 ^m .2 | D = 47°47' | 8.6 — 9.7 |
| | 55.575 55.578 55.580 55.583 55.597 <hr/> 55.583 | 81.5 89.6 88.8 86.3 91.4 <hr/> 87,5 | 2.76 2.69 2.71 3.01 2.74 <hr/> 2.78 | nebbia |

segue tabella I

| | | | | |
|-------------|-----------------------------|--|------------|------------|
| * ADS 10345 | μ Dra c = Σ 2130 | A = 17 ^h 40.3 | D = 54°32' | 5.0 — 5.1 |
| | 55.575 | 74.4 | 3.62 | nebbia |
| | 55.578 | 75.3 | 3.23 | |
| | 55.580 | 73.4 | 3.42 | |
| | 55.583 | 76.9 | 3.17 | |
| | 55.597 | 80.2 | 2.86 | |
| | <hr/> | <hr/> | <hr/> | |
| | 55.579 | 75.0 | 3.26 | |
| ADS 10397 | Σ 2142 | A = 17 ^h 10 ^m .4 | D = 49°48' | 6.2 — 10.0 |
| | 55.575 | 124.2 | 5.78 | nebbia |
| | 55.578 | 115.4 | 4.90 | |
| | 55.580 | 115.5 | 5.48 | |
| | 55.583 | 112.4 | 5.52 | |
| | <hr/> | <hr/> | <hr/> | |
| | 55.579 | 116.9 | 5.42 | |
| ADS 10412 | Σ 2151 | A = 17 ^h 12.0 | D = 69°34' | 8.6 — 10.1 |
| | 55.578 | 348.3 | 3.56 | |
| | 55.586 | 343.6 | .344 | |
| | <hr/> | <hr/> | <hr/> | |
| | 55.582 | 346.0 | 3.50 | |
| ADS 10574 | Σ 2177 | A = 17 ^h 26.4 | D = 46°28' | 8.5 — 10.0 |
| | 55.578 | 134.6 | 3.86 | |
| | 55.586 | 134.9 | 4.54 | t = 4.3 |
| | <hr/> | <hr/> | <hr/> | |
| | 55.582 | 134.8 | 4.20 | |
| ADS 10646 | Hu 923 | A = 17 ^h 33.1 | D = 49°15' | 8.5 — 9.0 |
| | 55.578 | 84.9 | 0.95 | 00 |
| | 55.586 | 81.0 | 0.89 | 00; 2p |
| | <hr/> | <hr/> | <hr/> | |
| | 55.582 | 83.0 | 0.92 | |
| ADS 10875 | 90 Her = β 130 | A = 17 ^h 51.7 | D = 40°01' | 5.9 — 9.2 |
| | 55.578 | 137.6 | 1.31 | 00 |
| | 55.586 | 134.4 | 1.78 | 00 |
| | <hr/> | <hr/> | <hr/> | |
| | 55.582 | 136.0 | 1.55 | |
| ADS 10904 | 0 Σ 339 | A = 17 ^h 54.0 | D = 21°30' | 7.5 — 9.9 |
| | 55.578 | 171.4 | 4.16 | |
| | 55.580 | 162.7 | 3.95 | 2p; nebbia |
| | 55.583 | 167.5 | 4.44 | |
| | <hr/> | <hr/> | <hr/> | |
| | 55.581 | 167.2 | 4.30 | |

segue tabella I

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|-------------|------------------------|--------------------------|-------------|------------|
| * ADS 11046 | 70 Oph = Σ 2272 | A = 18 ^h 02.9 | D = 2°32' | 4.1 — 6.1 |
| | 55.578 | 98.3 | 4.70 | |
| | 54.580 | 98.0 | 5.08 | |
| | 54.682 | 97.3 | 5.65 | |
| | <hr/> | <hr/> | <hr/> | |
| | 54.613 | 97.9 | 5.14 | |
| ADS 11189 | A 84 | A = 18 ^h 12.2 | D = — 2°32' | 8.7 — 10 |
| | 55.578 | 320.8 | 5.46 | |
| | 55.580 | 314.8 | 5.48 | |
| | 55.583 | 315.8 | 4.56 | |
| | 55.589 | 317.9 | 5.02 | |
| | 55.594 | 314.8 | 4.56 | nebbia |
| | <hr/> | <hr/> | <hr/> | |
| | 55.585 | 317.7 | 5.02 | |
| ADS 11515 | Σ 2347 | A = 18 ^h 35.4 | D = — 0°26' | 7.5 — 9.4 |
| | 55.575 | 256.8 | 3.75 | |
| | 55.578 | 257.4 | 3.44 | |
| | 55.580 | 257.3 | 4.26 | |
| | 55.583 | 256.6 | 3.68 | |
| | 55.589 | 257.6 | 3.72 | |
| | 55.594 | 254.5 | 3.54 | nebbia |
| | <hr/> | <hr/> | <hr/> | |
| | 55.585 | 256.7 | 3.72 | |
| * ADS 11632 | Σ 2398 | A = 18 ^h 42.5 | D = 59°30' | 8.2 — 8.7 |
| AB | 54.567 | 159.8 | 15.45 | |
| | 54.569 | 161.0 | 15.65 | |
| | 54.572 | 160.8 | 15.65 | |
| | 54.575 | 161.9 | 15.78 | |
| | 54.578 | 160.4 | 15.73 | |
| | 54.580 | 160.4 | 16.19 | |
| | <hr/> | <hr/> | <hr/> | |
| | 54.574 | 160.7 | 15.73 | |
| ADS 11655 | Σ 2392 | A = 18 ^h 43.5 | D = 39°10' | 8.2 — 10.2 |
| AB | 55.589 | 310.7 | 3.40 | |
| | 55.594 | 313.0 | 4.02 | nebbia |
| | <hr/> | <hr/> | <hr/> | |
| | 55.592 | 311.9 | 3.71 | |
| AC | 55.589 | 172.0 | 23.30 | 8.2 — 9.3 |
| | 55.594 | 171.9 | 23.93 | nebbia |
| | <hr/> | <hr/> | <hr/> | |
| | 55.592 | 172.0 | 23.62 | |
| ADS 11753 | Hu 1192 | A = 18 ^h 45.5 | D = 39°59' | 8.8 — 9.5 |
| | 55.589 | 40.1 | 2.46 | |
| | 55.597 | 41.9 | 3.16 | |
| | <hr/> | <hr/> | <hr/> | |
| | 55.593 | 41.0 | 2.81 | |
| ADS 11795 | Σ 2423 | A = 18 ^h 51.2 | D = 65°10' | 8.4 — 9.8 |
| | 55.589 | 196.3 | 2.68 | |
| | 55.597 | 194.1 | 2.84 | |
| | <hr/> | <hr/> | <hr/> | |
| | 55.593 | 195.2 | 2.76 | |

segue tabella I

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|---|--|--|--|------------------------------------|
| * ADS 11871 | β 648 54.575 54.578 <hr/> 54.577 | A = 18 ^h 55.2 224.5 246.9 <hr/> 235.7 | D = 32°50' 1.47 0.97 <hr/> 1.22 | 6.0 — 8.2 00 00 |
| ADS 12074 ultima osservazione 1925.05: 240.8; 6".16 | Es 191 55.079 55.119 55.122 <hr/> 55.110 | A = 19 ^h 06.1 250.4 249.8 251.1 <hr/> 250.4 | D = 61°12' 4.22 4.82 5.06 <hr/> 4.70 | 9.1 — 9.8 vento |
| ADS 12088 ultima osservazione 1923.63: 98°0.2; 4".00 | Ho 442 55.589 55.594 <hr/> 55.592 | A = 19 ^h 06.7 70.8 65.9 <hr/> 68.4 | D = 19°09' 2.40 2.14 <hr/> 2.27 | 9.0 — 10.5 |
| ADS 12363 | Σ 2516 55.712 55.715 55.717 <hr/> 55.715 | A = 19 ^h 20.2 233.7 231.7 231.8 <hr/> 232.4 | D = 55°44' 4.53 4.38 4.58 <hr/> 4.50 | 7.8 — 9.5 t = 3.5 nebbia; 2p |
| ADS 12447 | Σ 2525 54.578 54.641 <hr/> 54.610 | A = 19 ^h 24.5 289.4 297.6 <hr/> 293.5 | D = 27°13' 1.08 0.93 <hr/> 1.01 | 7.4 — 7.6 00 00 |
| ADS 12475 | β 424 55.715 55.720 55.723 <hr/> 55.719 | A = 19 ^h 25.6 36.4 33.0 37.5 <hr/> 35.8 | D = 35°57' 3.56 3.08 3.47 <hr/> 3.37 | 8.7 — 10.1 t = 3.5 |
| ADS 12638 | 0 Σ 376 55.715 55.720 55.723 <hr/> 55.719 | A = 19 ^h 33.2 246.9 245.5 243.4 <hr/> 245.5 | D = 34°05' 2.78 3.16 3.36 <hr/> 3.10 | 7.1 — 9.8 t = 3.5 |
| ADS 12691 | Σ 2555 55.712 55.715 55.720 <hr/> 55.716 | A = 19 ^h 35.0 274.4 269.6 274.6 <hr/> 272.9 | D = 53°16' 2.64 2.82 2.32 <hr/> 2.59 | 8.5 — 9.1 00; t = 4 |
| ADS 12789 | Σ 2573 54.641 54.643 <hr/> 54.642 | A = 19 ^h 39.4 27.1 27.1 <hr/> 27.1 | D = 60°23' 18.74 19.41 <hr/> 19.08 | 6.2 — 8.5 200 x 200 x |
| ADS 12824 | Σ 2592 55.712 55.715 <hr/> 55.714 | A = 19 ^h 40.9 304.7 297.4 <hr/> 301.1 | D = 76°27' 1.06 1.29 <hr/> 1.18 | 8.0 — 9.9 00; t = 3.5 00; |

segue tabella I

| | | | | |
|-------------|---------------|--------------------------|-------------|-----------------|
| ADS 12861 | Σ 2569 | A = 19 ^h 42.5 | D = 16°42' | 8.0 — 8.5 |
| | 55.715 | 357.6 | 2.96 | |
| | 55.720 | 360.0 | 3.19 | |
| | <hr/> | <hr/> | <hr/> | |
| | 55.718 | 358.8 | 3.08 | |
| * ADS 12880 | δ Cyg | A = 19 ^h 43.4 | D = 45°00' | 3.0 — 7.9 |
| | 54.572 | 232.9 | 2.28 | |
| | 54.575 | 236.4 | 1.86 | |
| | 54.580 | 225.4 | 2.03 | |
| | <hr/> | <hr/> | <hr/> | |
| | 54.576 | 231.6 | 2.06 | |
| ADS 12964 | Σ 2586 | A = 19 ^h 46.5 | D = 24°50' | 7.3 — 10.2 |
| AB | 55.717 | 228.0 | 4.43 | nebbia |
| | 55.715 | 229.2 | 4.08 | |
| | <hr/> | <hr/> | <hr/> | |
| | 55.716 | 228.6 | 4.26 | |
| ADS 13076 | Σ 2599 | A = 19 ^h 51.5 | D = 22°51' | 7.8 — 9.5 |
| | 55.715 | 51.8 | 4.28 | nebbia |
| | 55.717 | 58.1 | 4.58 | |
| | <hr/> | <hr/> | <hr/> | |
| | 55.716 | 55.0 | 4.43 | |
| ADS 13189 | A 1410 | A = 19 ^h 56.3 | D = 52°43' | 9.1 — 9.9 |
| | 55.712 | 185.2 | 1.88 | 00; t = 4.2 |
| | 55.715 | 186.1 | 1.69 | 00 |
| | <hr/> | <hr/> | <hr/> | |
| | 55.714 | 185.7 | 1.79 | |
| ADS 13228 | h 1458 | A = 19 ^h 57.8 | D = 11°03' | 8.5 — 8.5 |
| | 54.641 | 131.9 | 16.08 | 200 x |
| | 54.643 | 132.5 | 16.52 | |
| | 54.682 | 133.7 | 16.57 | |
| | <hr/> | <hr/> | <hr/> | |
| | 54.655 | 132.7 | 16.39 | |
| ADS 13256 | Σ 2613 | A = 19 ^h 59.0 | D = 10°36' | 7.0 — 7.2 |
| | 54.682 | 351.9 | 4.96 | |
| | 54.684 | 349.0 | 5.01 | |
| | 54.731 | 349.8 | (5.23) | brutte immagini |
| | 54.742 | 348.7 | 4.77 | |
| | <hr/> | <hr/> | <hr/> | |
| | 54.710 | 349.9 | 4.91 | |
| ADS 13290 | Σ 2616 | A = 20 ^h 00.4 | D = 14°26' | 6.8 — 9.7 |
| | 55.715 | 261.3 | 3.63 | |
| | 55.716 | 260.0 | 3.66 | |
| | 55.723 | 253.0 | 3.24 | |
| | 55.726 | 264.3 | 3.72 | |
| | <hr/> | <hr/> | <hr/> | |
| | 55.721 | 259.7 | 3.56 | |

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|-----------|------------------------|--------------------------|--------------|-------------|
| ADS 13323 | Σ 2622 | A = 20 ^h 01.9 | D = 16°52' | 8.0 — 8.7 |
| | 54.682 | 196.5 | 7.22 | |
| | 54.684 | 190.8 | 6.49 | |
| | 54.742 | 191.5 | 6.44 | |
| | <u>54.703</u> | <u>192.9</u> | <u>6.72</u> | |
| ADS 13447 | Σ 2645 | A = 20 ^h 08.1 | D = 51°32' | 8.0 — 8.3 |
| | 55.712 | 148.4 | 1.12 | 00 |
| | 55.715 | 143.5 | 1.07 | 00 |
| | <u>55.714</u> | <u>146.0</u> | <u>1.10</u> | |
| ADS 13524 | K Ceph = Σ 2675 | A = 20 ^h 10.7 | D = 77°34' | 4.0 — 8.0 |
| | 54.643 | 122.6 | — | |
| | 54.676 | 122.3 | 6.80 | nebbia |
| | 54.684 | 121.0 | 6.96 | |
| | 54.742 | 119.8 | 7.61 | 200 x |
| | 54.788 | 121.2 | 7.87 | |
| | 54.791 | 124.2 | 6.98 | |
| | 54.794 | 119.5 | 7.88 | |
| | <u>54.731</u> | <u>121.5</u> | <u>7.30</u> | |
| ADS 13756 | 0 Σ 526 | A = 20 ^h 19.8 | D = 81°01' | 7.8 — 10.0 |
| | 55.712 | 165.3 | 1.71 | 00 |
| | 55.715 | 167.7 | 1.89 | 00; t = 3.5 |
| | <u>55.714</u> | <u>166.5</u> | <u>1.80</u> | |
| ADS 13767 | Σ 2673/74 | A = 20 ^h 20.4 | D = 13°11' | 8.0 — 9.5 |
| AB | 55.715 | 324.4 | 2.98 | |
| | 55.720 | 326.0 | 2.98 | |
| | <u>55.718</u> | <u>325.2</u> | <u>2.98</u> | |
| AC | 55.715 | 100.6 | 76.82 | 8.0 — 8.0 |
| | 55.720 | 100.6 | 76.92 | |
| | <u>55.718</u> | <u>100.6</u> | <u>76.85</u> | |
| ADS 13822 | Σ 2680 | A = 20 ^h 22.5 | D = 14°41' | 8.3 — 8.5 |
| | 54.641 | 288.1 | 17.56 | 200 x |
| | 54.676 | 287.9 | 17.34 | |
| | 54.684 | 288.6 | 16.66 | |
| | 54.742 | 284.9 | 17.03 | |
| | <u>54.686</u> | <u>287.4</u> | <u>17.15</u> | |
| ADS 13830 | β 432 | A = 20 ^h 22.9 | D = 35°36' | 8.6 — 9.9 |
| | 55.720 | 198.7 | 2.09 | 00; nebbia |
| | 55.723 | 201.2 | 1.53 | 00 |
| | 55.726 | 193.2 | 1.61 | 00 |
| | 55.728 | 196.0 | 2.03 | 00 |
| | <u>55.724</u> | <u>197.3</u> | <u>1.82</u> | |

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|-----------------|----------------|--------------------------|-------------|-----------|
| ADS 13908 | A 733 | A = 20 ^h 27.4 | D = 60°05' | 8.0 — 9.7 |
| | 55.723 | 167.0 | 1.53 | 00 |
| | 55.726 | 178.0 | 1.76 | 00 |
| | 55.728 | 174.5 | 1.38 | 00 |
| | 55.726 | 173.2 | 1.56 | |
| ADS 14102 AB | Σ 2717 | A = 20 ^h 36.8 | D = 60°35' | 7.2 — 9.7 |
| | 55.723 | 258.0 | 1.80 | |
| | 55.726 | 256.0 | 2.27 | |
| | 55.728 | 257.0 | 1.57 | |
| | 55.726 | 257.0 | 1.88 | |
| AC | 55.723 | 53.5 | 42.81 | 7.2 — 9.7 |
| | 55.726 | 51.9 | 42.63 | |
| | 55.728 | 52.4 | 43.27 | |
| | 55.726 | 52.6 | 42.90 | |
| | 55.723 | 223.7 | 1.86 | |
| ADS 14124 | Σ 2711 | A = 20 ^h 37.5 | D = 30°20' | 8.0 — 9.0 |
| | 55.720 | 228.8 | 1.76 | |
| | 55.723 | 221.0 | 1.67 | |
| | 55.726 | 221.4 | 2.15 | |
| | 55.723 | 223.7 | 1.86 | |
| ADS 14184 | Σ 2718 | A = 20 ^h 40.2 | D = 12° 33' | 7.4 — 7.6 |
| | 54.641 | 88.6 | 9.02 | 200 x |
| | 54.682 | 86.0 | 8.54 | |
| | 54.684 | 85.8 | 9.05 | |
| | 54.731 | 86.0 | 8.98 | |
| | 54.742 | 87.3 | 9.04 | |
| | 54.797 | 88.0 | 9.38 | |
| | 54.712 | 86.9 | 9.00 | |
| | 54.712 | 179.8 | 4.40 | |
| ADS 14206 | Σ 2720 | A = 20 ^h 41.2 | D = 16°46' | 8.5 — 8.7 |
| | 54.682 | 179.3 | 4.05 | |
| | 54.694 | 182.4 | 4.21 | |
| | 54.742 | 177.8 | 4.90 | |
| | 54.794 | 179.7 | 4.43 | |
| | 54.712 | 179.8 | 4.40 | |
| ADS 14270 | Σ 2725 | A = 20 ^h 43.9 | D = 15°43' | 7.3 — 8.0 |
| | 54.682 | 11.4 | 5.43 | |
| | 54.731 | 5.9 | 6.11 | 200 x |
| | 54.739 | 7.2 | 5.01 | |
| | 54.742 | 4.4 | 5.65 | |
| | 54.791 | 4.8 | 6.01 | |
| | 54.794 | 5.6 | 6.12 | |
| | 54.747 | 6.6 | 5.72 | |
| ADS 14279 | δ Del = Σ 2727 | A = 20 ^h 44.4 | D = 15°57' | 4.0 — 5.0 |
| | 54.682 | 268.4 | 10.95 | |
| | 54.684 | 268.7 | 10.27 | |
| | 54.731 | 266.6 | 10.03 | |
| | 54.791 | 269.2 | 10.31 | |
| | 54.794 | 269.6 | 9.79 | |
| | 54.735 | 268.5 | 10.27 | |

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|-----------------------|--------------------------------|--------------------------|--------------|--------------------------|
| * ADS 14296 | λ Cyg = 0 Σ 413 | A = 20 ^h 45.5 | D = 36°18' | 5.0 — 6.3 |
| AB | 55.720 | 23.6 | 0.98 | 00 |
| | 55.723 | 25.2 | 1.21 | 00 |
| | 55.726 | 21.9 | 1.19 | 00 |
| | 55.728 | 29.0 | 0.88 | 00 |
| | <u>55.724</u> | <u>24.9</u> | <u>1.09</u> | |
| AB—C | 55.720 | 105.3 | 83.98 | 5.0 — 8.7 |
| | 55.723 | 105.3 | 84.37 | |
| | 55.726 | 104.0 | 85.79 | |
| | 55.728 | 1004.5 | 84.24 | |
| | <u>55.724</u> | <u>104.5</u> | <u>84.59</u> | |
| ADS 14356 | 0 Σ 415 | A = 20 ^h 48.5 | D = 30°13' | 7.5 — 9.5 |
| | 55.720 | 233.7 | 4.06 | |
| | 55.723 | 230.7 | 4.08 | |
| | <u>55.722</u> | <u>232.2</u> | <u>4.07</u> | |
| ADS 14390 | E 811 | A = 20 ^h 50.5 | D = 49°11' | 9.1 — 9.3 |
| Osservazioni singole | 55.720 | 182.2 | 2.18 | 00; nebbia |
| sono: | 55.723 | 183.7 | 2.09 | 00; immagini diffuse |
| 1900.9 138.1; 1'' .97 | 55.726 | 181.6 | 1.87 | 00 |
| 1911.8 149.1; 1'' .59 | 55.728 | 189.8 | 1.64 | 00 |
| | <u>55.724</u> | <u>184.3</u> | <u>1.95</u> | |
| ADS 14411 | 0 Σ 422 | A = 20 ^h 52.4 | D = 44°55' | 7.4 — 9.1 |
| | 55.720 | 329.0 | 3.55 | nebbia |
| | 55.726 | 326.9 | 3.07 | |
| | 55.728 | 320.2 | 3.52 | immagini diffuse |
| | <u>55.725</u> | <u>325.4</u> | <u>3.38</u> | |
| ADS 14453 | Σ 2736 | A = 20 ^h 54.4 | D = 12°48' | 7.5 — 8.7 |
| | 54.682 | 245.8 | 5.10 | |
| | 54.684 | 246.8 | 4.91 | |
| | <u>54.683</u> | <u>246.3</u> | <u>5.00</u> | |
| ADS 14573 | Σ 2744 | A = 21 ^h 00.5 | D = 01°21' | 6.5 — 7.0 |
| | 55.723 | 133.2 | 1.33 | 00 |
| | 55.726 | 135.1 | 1.16 | 00 |
| | 55.728 | 131.7 | 0.98 | 00 |
| | <u>55.726</u> | <u>133.3</u> | <u>1.16</u> | |
| ADS 14630 | Σ 2771 | A = 21 ^h 04.1 | D = 70°34' | 8.8 — 8.8 |
| | 55.723 | 213.9 | 3.96 | |
| | 55.726 | 207.3 | 3.52 | |
| | 55.728 | 209.1 | 3.22 | |
| | <u>55.726</u> | <u>210.1</u> | <u>3.57</u> | |
| ADS 14636 | 61 Cyg = Σ 2758 | A = 21 ^h 04.4 | D = 38°28' | |
| | 54.569 | 139.6 | 27.67 | |
| | 54.641 | 143.1 | 27.58 | motoorario insufficiente |
| | <u>54.605</u> | <u>141.4</u> | <u>27.76</u> | |

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|---------------|-------------------|--------------------------|--------------------------|---------------------|------------|
| ADS 14710 | Σ 2769 | A = 21 ^h 08.3 | D = 22°15' | 6.5 — 7.5 | |
| | 54.731 | 299.4 | 18.37 | | |
| | 54.736 | 299.0 | 17.86 | | |
| | 54.739 | 299.5 | 18.49 | nebbia | |
| | 54.742 | 299.8 | 18.62 | | |
| | 54.761 | 299.0 | 18.40 | | |
| | 54.791 | 298.0 | 18.35 | | |
| | 54.794 | 299.7 | 18.52 | | |
| | <u>54.797</u> | <u>299.8</u> | <u>18.58</u> | | |
| | 54.762 | 299.4 | 18.40 | | |
| ADS 14819 | Σ 2788 rej | A = 21 ^h 15.0 | D = 67°08' | 8.5 — 9.7 | |
| | 54.682 | 354.0 | 7.92 | | |
| | 54.731 | 355.0 | 7.65 | | |
| | 54.739 | 351.9 | 7.77 | | |
| | 54.742 | 350.0 | 8.08 | | |
| | 54.788 | 354.3 | 8.34 | | |
| | 54.791 | 351.0 | 7.96 | | |
| | 54.794 | <u>357.6</u> | <u>8.00</u> | | |
| | 54.752 | 353.4 | 7.96 | | |
| | ADS 14856 | Σ 2786 | A = 21 ^h 17.2 | D = 09°19' | 7.0 — 8.1 |
| 54.736 | | 183.9 | 3.06 | imagini diffuse | |
| 54.739 | | 183.5 | 2.92 | imagini diffuse | |
| 54.742 | | 178.8 | 2.91 | | |
| 54.788 | | 182.3 | 3.39 | 00 | |
| 54.791 | | 183.8 | 3.56 | | |
| 54.794 | | <u>178.3</u> | <u>3.77</u> | | |
| 54.765 | | 181.8 | 3.27 | | |
| ADS 14891 | | h 281 | A = 21 ^h 18.8 | D = 16°32' | 8.5 — 9.5 |
| | | 54.731 | 335.2 | 13.81 | |
| | 54.739 | 333.6 | 13.68 | | |
| | 54.742 | 336.4 | 14.87 | | |
| | 54.788 | 334.0 | 14.18 | | |
| | 54.791 | 333.7 | 13.95 | | |
| | 54.794 | 333.5 | 14.52 | | |
| | 54.797 | <u>335.3</u> | — | nebbia | |
| | 54.769 | 334.5 | 14.12 | | |
| | ADS 14907 | 0 Σ 438 | A = 21 ^h 19.8 | D = 42°56' | 7.3 — 10.2 |
| 55.723 | | 09.0 | 1.61 | 00; imagini diffuse | |
| <u>55.726</u> | | <u>01.3</u> | <u>1.64</u> | 00 | |
| 55.725 | | 05.2 | 1.63 | | |
| ADS 14909 | | 1 Peg = Σ 11 | A = 21 ^h 19.8 | D = 19°35' | 4.5 — 8.6 |
| | App II | | | | |
| | 54.731 | 311.1 | 36.46 | | |
| | 54.736 | 312.2 | 35.65 | | |
| | 54.739 | 310.8 | 35.58 | | |
| | 54.788 | 311.7 | 35.59 | | |
| | 54.791 | 311.7 | 35.58 | | |
| | 54.794 | 312.2 | 35.33 | | |
| | 54.797 | <u>311.3</u> | <u>35.82</u> | | |
| | 54.768 | 311.6 | 35.71 | | |

segue tabella I

| | | | | |
|---------------------|------------------------------|--------------------------|--------------------------|----------------------------|
| ADS 14933 | Σ 2791 | A = 21 ^h 21.2 | D = 04 ^o 09' | 8.5 — 9.0 |
| | 55.723 | 100.4 | 4.06 | |
| | 55.726 | 103.2 | 3.82 | |
| | 55.728 | 103.5 | 3.45 | |
| | <hr/> | <hr/> | <hr/> | |
| | 55.726 | 102.4 | 3.78 | |
| ADS 14954 | Σ 2793 | A = 21 ^h 22.6 | D = 9 ^o 10' | 8.0 — 8.5 |
| AC | 54.731 | 241.5 | 27.70 | motorario insufficiente |
| | 54.736 | 242.8 | 27.45 | |
| | 54.739 | 240.8 | 27.55 | |
| | 54.794 | 239.6 | 26.59 | |
| | <hr/> | <hr/> | <hr/> | |
| | 54.750 | 241.2 | 27.32 | |
| ADS 15032 | β Ceph = Σ 2806 | A = 21 ^h 28.0 | D = 70 ^o 20' | 3.3 — 8.0 |
| | 54.736 | 248.5 | 13.52 | |
| | 54.739 | 249.9 | 12.52 | |
| | 54.742 | 251.9 | 13.53 | |
| | 54.788 | 247.0 | 13.05 | |
| | 54.791 | 248.3 | 13.06 | |
| | 54.794 | 248.3 | 13.09 | |
| | <hr/> | <hr/> | <hr/> | |
| | 54.765 | 249.0 | 13.13 | |
| * ADS 15270 | μ Cyg = Σ 2828 | A = 21 ^h 41.9 | D = 28 ^o 31' | 4.7 — 6.1 |
| | 54.580 | 265.9 | 1.67 | |
| | 54.641 | 266.1 | 2.14 | |
| | <hr/> | <hr/> | <hr/> | |
| | 54.611 | 266.0 | 1.91 | |
| * ADS 15971 | ζ Aqua = Σ 2909 | A = 22 ^h 26.2 | D = — 0 ^o 17' | 4.4 — 4.6 |
| | 54.578 | 275.0 | 1.62 | |
| | 54.580 | 272.6 | 1.82 | |
| | <hr/> | <hr/> | <hr/> | |
| | 54.579 | 273.8 | 1.72 | |
| ADS 16384 | Σ 2965 | A = 22 ^h 54.2 | D = 72 ^o 34' | 8.3 — 9.3 |
| ultima osservazione | 55.079 | 218.7 | 2.76 | t = 4 ^h |
| 1907.95: | 55.119 | 216.4 | 2.91 | t = 6 ^h ; vento |
| 2180.3; 3.06 | 55.122 | 214.3 | 3.32 | |
| | <hr/> | <hr/> | <hr/> | |
| | 55.101 | 216.5 | 3.04 | |
| * ADS 16666 | \omicron Ceph | A = 23 ^h 16.4 | D = 67 ^o 50' | 5.2 — 7.8 |
| | 55.079 | 207.8 | 3.05 | t = 4 ^h |
| | 55.119 | 202.9 | 2.68 | t = 4.3 |
| | <hr/> | <hr/> | <hr/> | |
| | 55.099 | 205.4 | 2.87 | |
| ADS 16775 | Σ 3017 | A = 23 ^h 25.7 | D = 73 ^o 49' | 7.1 — 8.2 |
| | 55.079 | 24.0 | 2.09 | |
| | 55.119 | 18.2 | 2.15 | |
| | 55.114 | 18.4 | 1.54 | |
| | 55.122 | 19.9 | 2.23 | t = 6 ^h |
| | <hr/> | <hr/> | <hr/> | |
| | 55.109 | 20.1 | 2.00 | |

TABELLA II

| | | o | " | |
|-----------|---------|--------|--------|--------------------------------|
| ADS 671 | 1955.11 | 00.0 | — 0.22 | Strand (1946) |
| ADS 1598 | 1955.10 | 3.4 | 0.43 | Muller (1949) |
| ADS 2959 | 1955.12 | 9.0 | 0.00 | Rabe (1954) C. I. 2 |
| ADS 5871 | 1955.22 | — 7.7 | — 0.08 | van Biesbroeck (1925) |
| ADS 6175 | 1955.22 | — 1.7 | 0.67 | Strand (1940) |
| ADS 7203 | 1955.31 | — 10.8 | — 0.32 | Baize (1948) a |
| | | — 11.0 | — 0.06 | b |
| ADS 7307 | 1955.36 | — 1.9 | — 0.20 | Güntzel-Lingner (1953) |
| | | — 2.7 | — 0.22 | Arend (1953) |
| ADS 8119 | 1955.43 | 2.5 | — 0.21 | Rakowiecki I (1938) |
| ADS 8197 | 1955.45 | 7.6 | 0.62 | Hable (1954) C. I. 2 |
| ADS 8539 | 1955.45 | 6.5 | — 0.10 | Aller (1951) |
| ADS 8630 | 1955.44 | — 2.1 | 0.49 | Strand (1937) |
| ADS 8974 | 1955.45 | — 12.2 | 0.69 | Jackson (1921) |
| ADS 9031 | 1955.45 | — 1.0 | 0.52 | Strand (1955) A. J. 60, p. 42 |
| ADS 9494 | 1955.52 | — 5.9 | 0.18 | Strand (1937) |
| | | — 4.9 | 0.08 | Gennaro (1940) |
| ADS 9979 | 1954.61 | — 1.0 | 0.25 | Rabe (1954) C. I. 4 |
| ADS 10087 | 1955.58 | — 15.1 | 0.37 | Rabe (1948) |
| ADS 10126 | 1955.58 | 7.2 | 0.62 | von Bezold (1938) |
| ADS 11046 | 1955.61 | — 2.0 | — 0.18 | Strand (1952) |
| ADS 11632 | 1954.57 | — 0.1 | 0.11 | Rabe (1955) C. I. 7 |
| | | — 0.1 | 0.06 | Güntzel-Lingner (1954) C. I. 4 |
| ADS 11871 | 1954.58 | — 2.3 | — 0.03 | Schrutka-Rechtenstamm (1939) |
| | | — 1.0 | — 0.07 | Baize (1953) |
| ADS 12447 | 1954.61 | — 2.9 | — 0.37 | Finsen (1937) |
| ADS 12880 | 1954.58 | — 9.8 | — 0.02 | Gianuzzi (1952) |
| ADS 14296 | 1955.72 | — 1.9 | 0.31 | Rabe (1948) |
| ADS 14636 | 1954.61 | 0.4 | 0.48 | Zagar (1934) a |
| | | — 0.6 | 0.41 | b |
| ADS 15270 | 1954.61 | — 7.2 | 0.54 | Komendantoff (1936) |
| ADS 15971 | 1954.58 | 2.5 | — 0.38 | Rabe (1954) C. I. 2 |
| ADS 16666 | 1955.10 | — 6.3 | — 0.08 | Wierzbinski (1954) C. I. 5 |

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