Notes

44197 No acceptable astrometric solution obtained.

44542 Triple system with two catalogue entries, HIP 44542 and HIP 44545. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 44542 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

44545 Triple system with two catalogue entries, HIP 44542 and HIP 44545. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 44545 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

44804 Triple system with a single catalogue entry, HIP 44804. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 44804 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

45108 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

45109 Probably missed target.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): α = 137°.856 781 59 (1.58), δ = −21°.008 105 47 (1.81), π = 10.68 (2.43), μ_α = 86.77 (2.24), μ_δ = −66.25 (2.14), with F1 = 17 and F2 = 3.05, and processed as single star.
This entry may correspond to the Tycho Catalogue entry TYC 6039-1133-1 at α = 137°.856 766, δ = −21°.008 116.

45205 Probably missed target.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): α = 138°.204 519 40 (2.42), δ = −39°.860 011 41 (2.57), π = 6.54 (3.53), μ_α = −83.79 (2.87), μ_δ = 41.71 (2.93), with F1 = 4 and F2 = 4.19, and processed as single star.

45232 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 138°.273 551 53 (1.54), δ = −25°.083 826 14 (1.41), π = 20.04 (2.30), μ_α = −269.56 (1.85), μ_δ = 133.42 (1.65), with F1 = 0 and F2 = 0.32, and processed as single star.

45292 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 138°.453 362 13 (2.58), δ = −9°.318 989 19 (2.32), π = 0.30 (2.77), μ_α = 3.05 (3.10), μ_δ = −43.97 (2.44), with F1 = 5 and F2 = 0.79, and processed as single star.

45581 Triple system with a single catalogue entry, HIP 45581. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 45581 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.
The position in Fields H8–9 is for the photocentre of components A+B.

45792 Missed target. No star at given position. Background measured.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entries TYC 6587-1876-1 at α = 140°.066 322, δ = −23°.479 572 and TYC 6587-1876-2 at α = 140°.066 695, δ = −23°.479 252.

45840 Triple system with a single catalogue entry, HIP 45840. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 45840 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

45990 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 140°.696 151 82 (1.53), δ = 11°.271 529 98 (1.07), π = 15.08 (1.80), μ_α = −314.05 (2.11), μ_δ = 133.37 (1.12), with F1 = 3 and F2 = 0.00, and processed as single star.

46365 Triple system with a single catalogue entry, HIP 46365. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 46365 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

46500 Position found in stochastic solution coincides with that of HIP 46502.

47316 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 144°.624 725 92 (2.45), δ = 57°.920 663 04 (2.24), π = 3.80 (4.39), μ_α = −222.34 (3.04), μ_δ = −177.75 (2.49), with F1 = 5 and F2 = −1.66, and processed as single star.

47386 No acceptable astrometric solution obtained.

48307 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): $\alpha = 147^\circ.726\,598\,20$ (2.71), $\delta = 58^\circ.201\,997\,90$ (3.66), $\pi = 18.96$ (6.12), $\mu_\alpha = -12.33$ (3.31), $\mu_\delta = -87.26$ (3.99). Astrometric parameters refer to the primary component with F1 = 0 and F2 = 2.89, and double star parameters: $\theta = 214.0$, $\varrho = 2.072$ (0.003), $\Delta Hp = 0.19$ (0.01).
This entry may correspond to the Tycho Catalogue entries TYC 3820-818-1 at $\alpha = 147^\circ.726\,589$, $\delta = +58^\circ.201\,964$ and TYC 3820-818-2 at $\alpha = 147^\circ.725\,948$, $\delta = +58^\circ.201\,552$.

48336 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 147^\circ.787\,334\,05$ (1.96), $\delta = -12^\circ.326\,315\,99$ (1.39), $\pi = 72.04$ (2.03), $\mu_\alpha = 1141.20$ (2.71), $\mu_\delta = -1457.51$ (1.39), with F1 = 0 and F2 = −0.31, and processed as single star.

48406 Triple system with a single catalogue entry, HIP 48406. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 48406 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

48610 Triple system with a single catalogue entry, HIP 48610. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 48610 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

48645 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): $\alpha = 148^\circ.776\,639\,48$ (3.35), $\delta = -26^\circ.538\,631\,82$ (4.67), $\pi = 16.04$ (5.23), $\mu_\alpha = -166.40$ (3.82), $\mu_\delta = -33.73$ (5.40). Astrometric parameters refer to the primary component with F1 = 36 and F2 = 1.35, and double star parameters: $\theta = 149.4$, $\varrho = 1.108$ (0.013), $\Delta Hp = 0.82$ (0.01).
This entry may correspond to the Tycho Catalogue entry TYC 6612-1122-1 at $\alpha = 148^\circ.776\,658$, $\delta = -26^\circ.538\,653$.

48665 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entries TYC 8606-795-1 at $\alpha = 148^\circ.875\,178$, $\delta = -57^\circ.954\,110$ and TYC 8606-795-2 at $\alpha = 148^\circ.876\,033$, $\delta = -57^\circ.954\,627$.

49779 Inconsistency with the Hipparcos Input Catalogue: not a very high proper motion.
Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 152^\circ.420\,340\,40$ (0.95), $\delta = -32^\circ.607\,067\,15$ (1.50), $\pi = 7.22$ (1.83), $\mu_\alpha = -78.93$ (0.98), $\mu_\delta = -18.73$ (1.62), with F1 = 0 and F2 = −0.44, and processed as single star.

49968 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 153^\circ.015\,683\,35$ (1.05), $\delta = 47^\circ.846\,740\,30$ (1.28), $\pi = 6.77$ (1.83), $\mu_\alpha = 35.59$ (1.54), $\mu_\delta = -66.90$ (1.50), with F1 = 0 and F2 = −0.03, and processed as single star.

50016 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 153^\circ.164\,822\,59$ (1.23), $\delta = 59^\circ.979\,389\,07$ (1.10), $\pi = 17.16$ (1.84), $\mu_\alpha = -157.57$ (1.39), $\mu_\delta = -201.76$ (1.15), with F1 = 0 and F2 = 1.09, and processed as single star.

50018 Triple system with a single catalogue entry, HIP 50018. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 50018 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

50572 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 8196-5010-1 at $\alpha = 154^\circ.962\,661$, $\delta = -51^\circ.568\,643$.

50637 Triple system with a single catalogue entry, HIP 50637. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 50637 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

50640 No astrometric solution obtained.

50751 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): $\alpha = 155^\circ.447\,369\,29$ (1.07), $\delta = -44^\circ.519\,905\,06$ (1.17), $\pi = 0.83$ (1.66), $\mu_\alpha = -0.42$ (1.23), $\mu_\delta = 5.98$ (1.29), with F1 = 12 and F2 = 2.47, and processed as single star.
This entry may correspond to the Tycho Catalogue entry TYC 7721-1800-1 at $\alpha = 155^\circ.447\,377$, $\delta = -44^\circ.519\,912$.

50801 P An orbital solution based on elements by L.B. Lucy, M.A. Sweeney, Astron. J., 76, 544, 1971, gives a semi-major axis of 4 mas for the photocentre.

51255 Triple system with a single catalogue entry, HIP 51255. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 51255 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.
The position in Fields H8–9 is for the photocentre of components A+B.

51426 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

51496 P Probably missed target.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

51588 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): $\alpha = 158\overset{\circ}{.}057\,523\,79$ (2.38), $\delta = -35\overset{\circ}{.}628\,238\,88$ (2.55), $\pi = 4.66$ (3.65), $\mu_\alpha = -262.07$ (2.97), $\mu_\delta = 3.59$ (3.75), with F1 = 17 and F2 = 0.92, and processed as single star.

51662 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 158\overset{\circ}{.}319\,559\,53$ (1.73), $\delta = -55\overset{\circ}{.}380\,696\,14$ (2.04), $\pi = 6.24$ (2.34), $\mu_\alpha = -14.06$ (2.15), $\mu_\delta = -1.45$ (1.98). Astrometric parameters refer to the primary component with F1 = 21 and F2 = 2.93, and double star parameters: $\theta = 253.9$, $\varrho = 1.434$ (0.004), $\Delta Hp = 0.53$ (0.01).

51798 Inconsistency with the Hipparcos Input Catalogue: the proper-motion star L 465-31, LTT 3880 is 1.0 arcmin at SW.
Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 158\overset{\circ}{.}748\,636\,54$ (1.50), $\delta = -36\overset{\circ}{.}528\,320\,21$ (1.43), $\pi = 2.77$ (2.09), $\mu_\alpha = -7.83$ (2.08), $\mu_\delta = 31.22$ (1.87), with F1 = 0 and F2 = 0.67, and processed as single star.

52021 Missed target. Star McC 586 is not at given position.
No acceptable astrometric solution obtained.

52212 Triple system with a single catalogue entry, HIP 52212. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 52212 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

52237 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 160\overset{\circ}{.}077\,412\,45$ (1.68), $\delta = -29\overset{\circ}{.}506\,271\,19$ (2.15), $\pi = 24.04$ (2.96), $\mu_\alpha = -211.83$ (2.03), $\mu_\delta = -38.41$ (2.57), with F1 = 1 and F2 = −0.20, and processed as single star.

52585 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 7727-2805-1 at $\alpha = 161\overset{\circ}{.}288\,507$, $\delta = -40\overset{\circ}{.}256\,926$.

52621 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 161\overset{\circ}{.}417\,689\,17$ (2.38), $\delta = -19\overset{\circ}{.}112\,901\,73$ (1.63), $\pi = 49.95$ (2.97), $\mu_\alpha = -1866.26$ (3.26), $\mu_\delta = -600.25$ (2.08), with F1 = 8 and F2 = 0.99, and processed as single star.

52777 Inconsistency with the Hipparcos Input Catalogue: the large proper-motion star LTT 12875 is located 1.0 arcmin at SW.

52800 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): $\alpha = 161\overset{\circ}{.}917\,269\,34$ (3.84), $\delta = -15\overset{\circ}{.}243\,544\,41$ (3.60), $\pi = 3.04$ (4.84), $\mu_\alpha = 16.47$ (5.03), $\mu_\delta = -43.81$ (4.86). Astrometric parameters refer to the primary component with F1 = 19 and F2 = 3.26, and double star parameters: $\theta = 197.1$, $\varrho = 6.766$ (0.004), $\Delta Hp = 0.16$ (0.02).
This entry may correspond to the Tycho Catalogue entry TYC 6075-1827-1 at $\alpha = 161\overset{\circ}{.}917\,270$, $\delta = -15\overset{\circ}{.}243\,542$.

53020 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 162\overset{\circ}{.}718\,892\,53$ (4.08), $\delta = 6\overset{\circ}{.}810\,117\,49$ (2.09), $\pi = 145.89$ (3.85), $\mu_\alpha = -852.99$ (6.25), $\mu_\delta = -818.34$ (2.79), with F1 = 8 and F2 = 0.43, and processed as single star.

53044 Inconsistency with the Hipparcos Input Catalogue: the large proper motion of LTT 3979 is not confirmed.

53131 Triple system with two catalogue entries, HIP 53131 and HIP 53132. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 53131 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

53132 Triple system with two catalogue entries, HIP 53131 and HIP 53132. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 53132 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

53310 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

53568 Triple system with a single catalogue entry, HIP 53568. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 53568 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

53573 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

54144 Inconsistency with the Hipparcos Input Catalogue: not a high-proper-motion star.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): α = 166°.147 641 88 (1.42), δ = −33°.835 033 64 (1.36), π = −5.72 (2.04), μ_α = 1.50 (1.98), μ_δ = 0.05 (1.57), with F1 = 10 and F2 = 2.47, and processed as single star.
This entry may correspond to the Tycho Catalogue entry TYC 7208-1258-1 at α = 166°.147 647, δ = −33°.835 032.

54155 Triple system with a single catalogue entry, HIP 54155. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 54155 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

54171 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 8958-2025-1 at α = 166°.222 171, δ = −61°.056 582.

54353 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 7733-2501-1 at α = 166°.800 872, δ = −41°.449 948.

54355 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 166°.803 484 62 (1.38), δ = −41°.455 532 88 (1.29), π = 3.05 (2.02), μ_α = −0.81 (1.48), μ_δ = 5.22 (1.50). Astrometric parameters refer to the primary component with F1 = 0 and F2 = 0.36, and double star parameters: θ = 334.0, ϱ = 1.650 (0.007), ΔHp = 1.97 (0.02).

54806 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 168°.301 371 79 (1.09), δ = −48°.225 063 84 (1.15), π = 1.70 (1.89), μ_α = −8.27 (1.33), μ_δ = 5.19 (1.37), with F1 = 3 and F2 = −1.17, and processed as single star.

54812 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): α = 168°.315 638 93 (4.13), δ = 38°.177 064 77 (2.67), π = 3.44 (5.11), μ_α = −3.86 (5.10), μ_δ = −14.31 (3.06). Astrometric parameters refer to the primary component with F1 = 4 and F2 = 0.43, and double star parameters: θ = 316.8, ϱ = 8.839 (0.004), ΔHp = 0.02 (0.01).
This entry may correspond to the Tycho Catalogue entry TYC 3010-2505-1 at α = 168°.315 663, δ = +38°.177 076.

54948 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 8959-1959-1 at α = 168°.780 657, δ = −61°.260 719.

55149 Triple system with a single catalogue entry, HIP 55149. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 55149 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

55203 P Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

55233 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 169°.660 598 74 (2.04), δ = −12°.985 571 58 (1.82), π = 29.06 (2.37), μ_α = 242.56 (2.24), μ_δ = −297.90 (2.19), with F1 = 9 and F2 = −1.05, and processed as single star.

55354 Inconsistency with the Hipparcos Input Catalogue: not the large proper-motion star LP 733-99.

55605 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 170°.873 839 03 (1.97), δ = 7°.025 212 80 (1.39), π = 29.95 (2.35), μ_α = 200.79 (2.81), μ_δ = −74.00 (2.20), with F1 = 0 and F2 = 0.82, and processed as single star.

55622 System HIP 55622 + 55624 mis-pointed. The A component is not observed. HIP 55624 is the true B, the photometry is disturbed by A . Scattered light from B was measured at the position given for HIP 55622.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 6662-1183-1 at α = 170°.930 065, δ = −28°.503 272.

55624 See HIP 55622.

55826 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

56078 Inconsistency with the Hipparcos Input Catalogue: not a high-proper-motion star.

56218 Inconsistency with the Hipparcos Input Catalogue: not BD −13 3385, LP 733-4 located 3.8 arcmin at NW.

56769 Triple system with a single catalogue entry, HIP 56769. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 56769 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

56892 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 174°.942 630 58 (3.35), δ = −40°.879 166 86 (2.78), π = −3.25 (4.21), μ_α = −30.24 (3.55), μ_δ = 6.78 (3.28), with F1 = 6 and F2 = 0.00, and processed as single star.

56934 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): α = 175°.080 602 32 (4.15), δ = −52°.347 522 43 (4.89), π = 11.58 (7.88), μ_α = 9.32 (5.97), μ_δ = −9.12 (6.65), with F1 = 10 and F2 = 3.76, and processed as single star.

57037 Probably missed target.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): α = 175°.416 630 60 (1.46), δ = −88°.064 659 77 (1.25), π = 16.21 (1.57), μ_α = 163.82 (2.09), μ_δ = 30.08 (1.36), with F1 = 2 and F2 = 0.52, and processed as single star.
This entry may correspond to the Tycho Catalogue entry TYC 9515-705-1 at α = 175°.416 578, δ = −88°.064 646.

57146 D Triple system with two catalogue entries, HIP 57146 and HIP 57148. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 57146 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

57148 D Triple system with two catalogue entries, HIP 57146 and HIP 57148. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 57148 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

57432 Triple system with a single catalogue entry, HIP 57432. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 57432 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

57651 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 177°.349 154 26 (1.64), δ = 16°.880 507 12 (1.20), π = 0.74 (1.82), μ_α = 12.26 (2.32), μ_δ = −12.59 (1.56), with F1 = 4 and F2 = −0.72, and processed as single star.

57737 P Inconsistency with the Hipparcos Input Catalogue: the large proper motion of LTT 4397 is not confirmed.

58046 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 178°.571 555 39 (2.16), δ = 18°.622 971 89 (1.61), π = −0.34 (2.48), μ_α = 12.42 (2.62), μ_δ = 2.74 (1.89), with F1 = 0 and F2 = −1.21, and processed as single star.

58456 Triple system with a single catalogue entry, HIP 58456. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 58456 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

58906 D Triple system with three catalogue entries, HIP 58906, HIP 58909 and HIP 58910. The*Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 58906 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

58909 D Triple system with three catalogue entries, HIP 58906, HIP 58909 and HIP 58910. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 58909 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

58910 D Triple system with three catalogue entries, HIP 58906, HIP 58909 and HIP 58910. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 58910 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

58999 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

59018 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

59050 Triple system with a single catalogue entry, HIP 59050. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 59050 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.
The position in Fields H8–9 is for the photocentre of components A+B.

59154 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 9412-2105-1 at α = 181.°964 718, δ = −75.°921 129.

59189 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 3019-1663-1 at α = 182.°079 344, δ = +43.°906 696.

59273 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 5522-1688-1 at α = 182.°370 572, δ = −11.°854 431.

59513 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 183.°082 447 49 (1.69), δ = −5.°974 596 74 (1.20), π = 6.72 (1.89), μ_α = −141.12 (1.68), μ_δ = −110.81 (1.22), with F1 = 3 and F2 = 0.87, and processed as single star.

59527 P The variable GM Com is found to be constant with Hipparcos photometry. Its F5V type is too late for a DSCT.

59963 Probably missed target.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): α = 184.°474 123 14 (1.67), δ = −23.°313 475 62 (1.23), π = 22.03 (2.08), μ_α = −16.49 (1.74), μ_δ = −339.39 (1.26), with F1 = 0 and F2 = 2.51, and processed as single star.
This entry may correspond to the Tycho Catalogue entry TYC 6681-858-1 at α = 184.°474 124, δ = −23.°313 471.

60027 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 184.°656 705 26 (1.23), δ = −24.°131 488 96 (1.03), π = 3.64 (1.56), μ_α = −56.05 (1.45), μ_δ = 1.98 (1.01), with F1 = 4 and F2 = 1.93, and processed as single star.

60178 No acceptable astrometric solution obtained.

60450 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

60471 Triple system with a single catalogue entry, HIP 60471. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 60471 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

60553 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 186.°199 206 48 (1.33), δ = −75.°052 624 77 (1.19), π = 13.40 (1.51), μ_α = −199.88 (1.83), μ_δ = 47.80 (1.39), with F1 = 2 and F2 = −0.74, and processed as single star.

60749 Triple system with two catalogue entries, HIP 60749 and HIP 60750. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 60749 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.
The position in Fields H8–9 is for the photocentre of components A+B.

60750 Triple system with two catalogue entries, HIP 60749 and HIP 60750. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 60750 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

61062 No astrometric solution obtained.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): α = 187.°761 855 82 (6.18), δ = −53.°193 324 45 (15.17), π = 8.62 (7.93), μ_α = −23.78 (5.38), μ_δ = −30.25 (14.24). Astrometric parameters refer to the primary component with F1 = 19 and F2 = 3.67, and double star parameters: θ = 258.4, ϱ = 16.261 (0.008), ΔHp = 0.01 (0.01).
This entry may correspond to the Tycho Catalogue entry TYC 8646-3823-1 at α = 187.°761 875, δ = −53.°193 338.

61200 Probably missed target.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): α = 188.°120 053 01 (2.00), δ = −40.°098 552 36 (2.22), π = 12.61 (2.95), μ_α = −23.72 (2.96), μ_δ = 21.86 (2.00), with F1 = 20 and F2 = 3.26, and processed as single star.
This entry may correspond to the Tycho Catalogue entry TYC 7762-714-1 at α = 188.°120 053, δ = −40.°098 578.

61231 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): α = 188°.205 956 33 (6.25), δ = −40°.115 598 80 (5.53), π = 19.91 (8.95), μ_α = −295.53 (9.37), μ_δ = 123.65 (4.71). Astrometric parameters refer to the primary component with F1 = 0 and F2 = 0.10, and double star parameters: θ = 173.4, ϱ = 3.993 (0.008), ΔHp = 0.20 (0.02).

61581 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 189°.288 602 12 (1.21), δ = −4°.651 002 94 (0.93), π = 1.17 (1.41), μ_α = −10.51 (1.26), μ_δ = −17.45 (0.93), with F1 = 0 and F2 = −0.34, and processed as single star.

61898 Triple system with a single catalogue entry, HIP 61898. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 61898 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.

62292 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 6688-276-1 at α = 191°.474 558, δ = −24°.417 200.

62295 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

62622 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): α = 192°.475 531 25 (1.94), δ = −54°.307 003 26 (1.68), π = 29.04 (2.66), μ_α = −137.34 (2.06), μ_δ = 25.55 (1.79), with F1 = 14 and F2 = 5.13, and processed as single star.

62719 Mispointed star at the edge of the FOV. McC 677 is then a spurious variable. The temporary companion is not a proper-motion star.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

62937 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 8989-3114-1 at α = 193°.466 696, δ = −60°.371 075.

62947 Position found in stochastic solution coincides with that of HIP 62940.

62967 No acceptable astrometric solution obtained.

63081 D Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 193°.876 390 93 (1.01), δ = 11°.496 234 73 (0.78), π = 3.22 (1.09), μ_α = −21.99 (1.07), μ_δ = −6.79 (0.73), with F1 = 0 and F2 = 0.89, and processed as single star.

63175 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 194°.148 166 73 (1.30), δ = −57°.899 175 11 (1.15), π = −0.06 (1.99), μ_α = 1.50 (1.67), μ_δ = 2.63 (1.34). Astrometric parameters refer to the photocentre with F1 = 1 and F2 = −0.52, and double star parameters: θ = 103.0, ϱ = 0.239 (0.008), ΔHp = 0.55 (0.07).

63447 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

63471 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 195°.087 572 62 (1.84), δ = −34°.836 567 34 (1.27), π = 12.26 (2.11), μ_α = −159.26 (1.76), μ_δ = 189.31 (1.08), with F1 = 2 and F2 = 0.90, and processed as single star.

63721 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 195°.871 202 42 (1.16), δ = 25°.796 681 35 (1.02), π = 3.21 (1.50), μ_α = −36.26 (1.30), μ_δ = −21.75 (0.98), with F1 = 0 and F2 = −1.09, and processed as single star.

63791 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 196°.117 309 60 (1.41), δ = −36°.833 839 25 (1.07), π = 13.13 (1.63), μ_α = −90.22 (1.37), μ_δ = −8.87 (0.93), with F1 = 6 and F2 = 0.72, and processed as single star.

64354 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 7258-2057-1 at α = 197°.868 795, δ = −35°.130 398.

64438 Inconsistency with the Hipparcos Input Catalogue: not the proper-motion star BD −09 3642, LP 737-81 located 1.3 arcmin at SW.

64567 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): α = 198°.515 893 78 (1.35), δ = −17°.426 530 41 (0.92), π = 12.54 (1.49), μ_α = −157.36 (1.71), μ_δ = −94.76 (0.93), with F1 = 0 and F2 = 0.14, and processed as single star.

64603 Triple system with a single catalogue entry, HIP 64603. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 64603 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.
The position in Fields H8–9 is for the photocentre of components A+B.

64634 Inconsistency with the Hipparcos Input Catalogue: the proper-motion star Ross 1004 is probably located 2.5 arcmin at SW.
Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 198\overset{\circ}{.}720\,757\,23$ (1.75), $\delta = 29\overset{\circ}{.}749\,087\,40$ (1.45), $\pi = 6.55$ (2.32), $\mu_\alpha = 75.77$ (2.50), $\mu_\delta = -38.51$ (1.43), with F1 = 0 and F2 = −0.27, and processed as single star.

64649 Proper motion disagrees with NLTT and PPM.

64754 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 199\overset{\circ}{.}063\,103\,45$ (1.24), $\delta = 7\overset{\circ}{.}625\,757\,02$ (0.92), $\pi = 3.80$ (1.56), $\mu_\alpha = -36.50$ (1.45), $\mu_\delta = 6.19$ (0.96), with F1 = 3 and F2 = 0.69, and processed as single star.

64978 Inconsistency with the Hipparcos Input Catalogue: the large proper motion of LTT 5116 is not confirmed.
Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 199\overset{\circ}{.}768\,288\,09$ (1.35), $\delta = -36\overset{\circ}{.}102\,618\,60$ (1.32), $\pi = 4.25$ (1.89), $\mu_\alpha = -41.72$ (1.69), $\mu_\delta = -5.62$ (1.61), with F1 = 0 and F2 = 0.53, and processed as single star.

65056 Inconsistency with the Hipparcos Input Catalogue: not the proper-motion star HD 115667, CPD −60 4593 but the low-proper-motion star CPD −60 4596.
Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 200\overset{\circ}{.}030\,702\,03$ (0.99), $\delta = -61\overset{\circ}{.}492\,947\,71$ (1.06), $\pi = 1.85$ (1.67), $\mu_\alpha = -7.36$ (1.12), $\mu_\delta = -2.24$ (1.17), with F1 = 0 and F2 = −1.05, and processed as single star.

65465 Inconsistency with the Hipparcos Input Catalogue: the proper-motion star LP 132-427 is probably the brighter object 1.4 arcmin at E.

65863 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
This entry may correspond to the Tycho Catalogue entry TYC 4164-730-1 at $\alpha = 202\overset{\circ}{.}499\,204$, $\delta = +60\overset{\circ}{.}359\,790$.

65908 HD 117258, CP-62 3305 is not L 148-81, LTT 5210, CP-62 3300.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): $\alpha = 202\overset{\circ}{.}659\,941\,31$ (3.38), $\delta = -62\overset{\circ}{.}998\,692\,45$ (4.21), $\pi = 11.78$ (6.45), $\mu_\alpha = -24.36$ (4.45), $\mu_\delta = -10.67$ (4.74). Astrometric parameters refer to the primary component with F1 = 9 and F2 = 5.58, and double star parameters: $\theta = 200.5$, $\varrho = 0.501$ (0.029), $\Delta Hp = 2.54$ (0.16).
This entry may correspond to the Tycho Catalogue entry TYC 8995-2035-1 at $\alpha = 202\overset{\circ}{.}659\,951$, $\delta = -62\overset{\circ}{.}998\,698$.

66187 No acceptable astrometric solution obtained.
This entry may correspond to the Tycho Catalogue entry TYC 3032-354-1 at $\alpha = 203\overset{\circ}{.}495\,088$, $\delta = +43\overset{\circ}{.}264\,509$.

66401 Inconsistency with the Hipparcos Input Catalogue: not a high-proper-motion star.

66608 Inconsistency with the Hipparcos Input Catalogue: the large proper motion of LP 323-230 is not confirmed.

66677 Missed target. No star at given position. Background measured.
Stochastic solution was rejected because it had a cosmic error greater than 100 mas.

66747 No acceptable astrometric solution obtained.

66946 This star is now in the CCDM as 13431+3201 C. (J. Dommanget, O. Nys, Bull. Inf. CDS 48, 19, 1996)

66984 Triple system with a single catalogue entry, HIP 66984. The *Hp* magnitude given in the main catalogue is derived directly from the photon counts recorded with the detector pointing at HIP 66984 and has not been corrected for the multiplicity effect or for the attenuation profile of the detector. The corrected magnitudes of the components are given in the Double and Multiple Systems Annex.
The position in Fields H8–9 is for the photocentre of components A+B.

67616 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): $\alpha = 207\overset{\circ}{.}824\,451\,41$ (1.72), $\delta = -39\overset{\circ}{.}471\,660\,04$ (1.88), $\pi = 13.28$ (2.24), $\mu_\alpha = -128.44$ (1.75), $\mu_\delta = -17.83$ (2.17). Astrometric parameters refer to the photocentre with F1 = 4 and F2 = 1.52, and double star parameters: $\theta = 156.8$, $\varrho = 0.214$ (0.033), $\Delta Hp = 0.74$ (0.03).
This entry may correspond to the Tycho Catalogue entry TYC 7794-587-1 at $\alpha = 207\overset{\circ}{.}824\,457$, $\delta = -39\overset{\circ}{.}471\,670$.

68059 Stochastic solution was rejected because it had a cosmic error greater than 100 mas.
Investigations carried out after the main catalogue was finalised led to a probable solution for this entry (standard errors in parentheses): $\alpha = 209\overset{\circ}{.}027\,202\,65$ (4.62), $\delta = -4\overset{\circ}{.}616\,124\,38$ (2.65), $\pi = 5.72$ (4.99), $\mu_\alpha = -3.33$ (5.32), $\mu_\delta = 25.95$ (2.86). Astrometric parameters refer to the primary component with F1 = 10 and F2 = 3.34, and double star parameters: $\theta = 241.7$, $\varrho = 5.650$ (0.003), $\Delta Hp = 0.04$ (0.01).
This entry may correspond to the Tycho Catalogue entries TYC 4971-696-1 at $\alpha = 209\overset{\circ}{.}027\,209$, $\delta = -4\overset{\circ}{.}616\,132$ and TYC 4971-1320-1 at $\alpha = 209\overset{\circ}{.}025\,815$, $\delta = -4\overset{\circ}{.}616\,868$.

68061 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 209\overset{\circ}{.}037\,846\,12$ (2.91), $\delta = 5\overset{\circ}{.}380\,115\,96$ (2.30), $\pi = 5.04$ (3.86), $\mu_\alpha = -2.55$ (3.89), $\mu_\delta = 3.84$ (2.45), with F1 = 0 and F2 = 0.01, and processed as single star.

68166 Inconsistency with the Hipparcos Input Catalogue: not the proper-motion star L 475-52.

68264 Investigations carried out after the main catalogue was finalised led to a more likely solution for this entry (standard errors in parentheses): $\alpha = 209\overset{\circ}{.}616\,053\,43$ (1.51), $\delta = -41\overset{\circ}{.}395\,660\,95$ (1.23), $\pi = 4.89$ (2.01), $\mu_\alpha = -14.69$ (1.58), $\mu_\delta = -3.73$ (1.54), with F1 = 0 and F2 = −0.60, and processed as single star.

120212 Missed target. No star at given position. Background measured.
No acceptable astrometric solution obtained.

120413 No astrometric solution obtained.
This entry may correspond to the Tycho Catalogue entry TYC 6673-119-1 at $\alpha = 176\overset{\circ}{.}651\,819$, $\delta = -27\overset{\circ}{.}459\,085$.

120414 No astrometric solution obtained.
This entry may correspond to the Tycho Catalogue entry TYC 6669-187-1 at $\alpha = 177\overset{\circ}{.}904\,107$, $\delta = -25\overset{\circ}{.}910\,746$.