

# Stella 2000 Data Extensions

## Contents

The following Stella 2000 extension packs are currently available:

**HIPCAT - The ESA Hipparcos catalog of 118,000 stars (\$39 complete)**

**SAOCAT - The complete SAO catalog of 286,000 stars (\$50)**

**SAOCAT1 - The SAO catalog part 1: mag 7.0 to 8.8 (\$30 )**

**SAOCAT2 - The SAO catalog part 2: mag 8.9 to 9.9 (\$30 )**

These two packages in turn comprise several individual units of *approximately* 25000 stars each, which may also be ordered individually as the need arises.

**1 unit of 25000 Hipparcos stars (\$20)**

**HIP1 - 25000 stars from magnitude 7.0 to 8.0**

**HIP2 - 25000 stars from magnitude 8.0 to 8.6**

**HIP3 - 25000 stars from magnitude 8.6 to 9.2**

**HIP4 - 25000 stars from magnitude 9.2 to 12**

**1 unit of 25000 SAO stars (\$17)**

**SAO1 - 25000 stars from magnitude 7.0 to 7.5**

**SAO2 - 25000 stars from magnitude 7.6 to 8.1**

**SAO3 - 25000 stars from magnitude 8.2 to 8.4**

**SAO4 - 25000 stars from magnitude 8.5 to 8.6**

**SAO5 - 33000 stars from magnitude 8.7 to 8.8**

**SAO6 - 46000 stars from magnitude 8.9 to 9.0**

**SAO7 - 31000 stars from magnitude 9.1 to 9.2**

**SAO8 - 20000 stars from magnitude 9.3 to 9.4**

**SAO9 - 25000 stars from magnitude 8.5 to 8.6**

You may be wondering why the SAO and Hipparcos extensions are priced differently: The simple answer is that the *Hipparcos stars include color data*, whereas the SAO stars in general do not.

We would in all circumstances recommend the Hipparcos catalog for its unsurpassed and up-to-date astrometry, leaving the SAO for those whose sole requirement is for quantity. Stella 2000 will display most SAO stars in a single neutral color, whereas the Hipparcos stars appear in subtle tints just like those belonging to Stella's main level-one database, which is already supplemented by 7000 entries from Hipparcos down to magnitude 7.0.

The Tycho and Hipparchos catalogs were the result of the European Space Agency satellite mission *Hipparcos* which surveyed the entire sky between the years 1989-1993. The SAO, or Smithsonian Astrophysical Observatory Catalog is considerably older, the first edition having appeared in 1966.

## General Observations

In order to load the **entire SAO catalog of 286000 stars**, your machine needs to be pretty powerful. To have the

entire SAO in memory, and to zoom and center in comfort will require at least a **Pentium Pro/II with 64 Mb of RAM**. Of course, since the stars are loaded in batches of 25000 from a special menu, there is never any necessity to have the complete catalog in memory. You may still order the complete SAO to save money and from Stella's [Data Extensions](#) menu load, say, 75000 stars. When you upgrade your computer, you will have the whole catalog at your fingertips - and for a saving of up to \$100!

As a *rough* guide, here is a short table with number of stars against machine which will handle them comfortably:

|         |       |                |        |
|---------|-------|----------------|--------|
| 25000   | stars | Pentium 100+   | 16 Mb  |
| 50000   | stars | Pentium 166+   | 16 Mb  |
| 75000   | stars | Pentium 200+   | 32 Mb  |
| 100000  | stars | Pentium 233+   | 32+ Mb |
| 125000+ | stars | Pentium Pro/II | 32+ Mb |

Therefore, if your PC is anything less than a Pentium Pro/II, we would recommend the **Hipparcos Catalog** of 118000 stars, or part 1 of the SAO catalog, unless you have a future hardware upgrade in mind and wish to save expense at the outset. It is worth repeating that the *Hipparcos also contains color* data, whereas the SAO does not.

## Orders

### Online and by phone

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**ShareIt!** takes worldwide orders for Stella 2000 Data Extensions online by **Visa, MasterCard, EuroCard, American Express, or Diners Club**. Just navigate to the following using your Web browser:

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**101360 - Stella 2000 Data Extension**

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