

Stella 2000 Data Extensions

Contents

The following Stella 2000 extension packs are currently available:

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

[SAOCAT1 - The SAO catalog of 286,000 stars part 1: mag 7.0 to 8.6 \(\\$30 \)](#)

[SAOCAT2 - The SAO catalog of 286,000 stars part 2: mag 8.6 to 9.5 \(\\$30 \)](#)

[HIPCAT - The ESA Hipparcos catalog of 118,000 stars \(\\$30 complete\)](#)

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 SAO stars \(\\$17\)](#)

SAO1 - 25000 stars from magnitude 7.0 to 7.5

SAO2 - 25000 stars from magnitude 7.5 to 8.2

SAO3 - 25000 stars from magnitude 8.2 to 8.4

SAO4 - 25000 stars from magnitude 8.4 to 8.6

[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 10

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

25000	stars	Pentium 90+	8 Mb
50000	stars	Pentium 100+	16 Mb
75000	stars	Pentium 133+	32 Mb
100000	stars	Pentium 200+	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

by post

How do you obtain your Stella 2000 data extensions? - Simply state your requirements in writing, enclose *payment by check or currency* only*, and send it to:

Swimming Elk Software
Manskiventie 1031
16790 Manskivi
Finland

We will then either despatch your order via the Internet or by mail on 3.5" diskettes. Naturally, the Internet option is preferable, since it cuts fulfillment time in half. Please state your preferred option clearly, not forgetting to **include your e-mail address** for our express Internet service. You may also e-mail us to let us know that your order is on the way.

** If paying with cash, you may deduct \$5 from all prices.*