

Sky Lab Series

The Skylab is a series of research space stations that some corporations use. They come in three stages: Type 1, Type 2 and Type 3.

Skylab 1 includes:

- 1) Multiple Docking Adapter (with one docking port)
- 2) Airlock Module with EVA hatche
- 3) Main habitable volume.
- 4) Electrical power came from solar arrays
- 5) The rear of the station included a waste tank, propellant tanks for maneuvering jets, and a heat radiator.

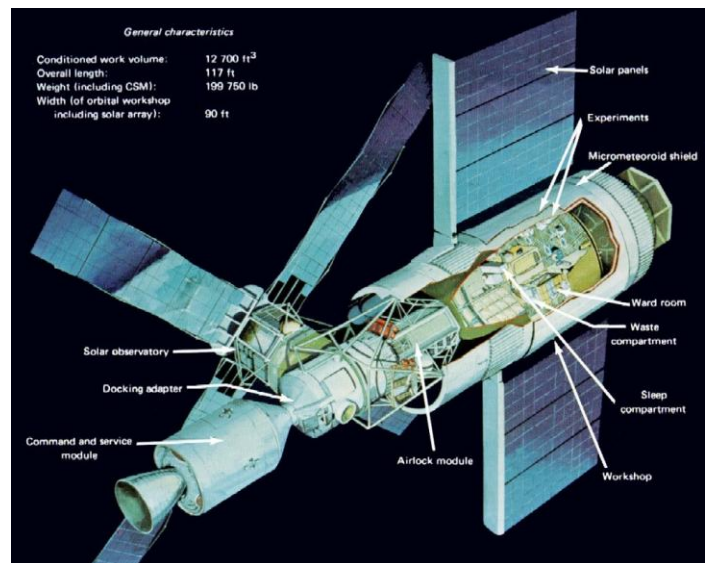
Size:	20 meters
Crew:	1-2
HS:	1
HP:	5
ADF/MR:	0
Power Source:	1 solar collector (partitioned)
Cost:	75,000 cr.



Skylab 2 includes:

1. A Telescope Mount, which was a multi-spectral solar observatory
2. Multiple Docking Adapter (with two docking ports)
3. Airlock Module with EVA hatches
4. Orbital Workshop
5. Main habitable volume.
6. Electrical power came from solar arrays, as well as fuel cells in the docked Apollo CSM.
7. The rear of the station included a large waste tank, propellant tanks for maneuvering jets, and a heat radiator.

Size:	40 meters
Crew:	3
HS:	2
HP:	10
ADF/MR:	0
Power Source:	3 solar collectors
Cost:	235,000 cr.



Sky Lab; Type 3

Skylab 3 includes:

1. A Telescope Mount, which was a multi-spectral solar observatory
2. Multiple Docking Adapter (with two docking ports)
3. Airlock Module with EVA hatches
4. Orbital Workshop
5. Main habitable volume.
6. Electrical power came from solar arrays, as well as fuel cells in the docked Apollo CSM.
7. The rear of the station included a large waste tank, propellant tanks for maneuvering jets, and a heat radiator.



Size: 80 meters
Crew: 3-6
HS: 4
HP: 20
ADF/MR: 0
Power Source: 4 solar collectors
Cost: 345,000 cr.

History:

TriGen launched a SkyLab Type 1 station in the Ora system. It was damaged during launch when the micrometeoroid shield separated from the workshop and tore away, taking one of two main solar panel arrays with it and jamming the other one so that it could not deploy. This deprived Skylab of most of its electrical power, and also removed protection from intense solar heating, threatening to make it unusable. The first crew was able to save it with major repairs, by deploying a replacement heat shade and freeing the jammed solar panels.

Interplanetary Industries maintains a SkyLab Type 2 station orbiting Canberra (Cassadine VI). Numerous scientific experiments were conducted aboard this station. Its crews were able to confirm the existence of atmospheric holes similar to coronal holes of a star.

PGC has also used a SkyLab space station. PGC uses the PGCS Opportunity to make observations within the Prenglar system. It is in orbit of Prenglar 1. It was equipped with the Planetary Resources Experiment Package (PREP) that was used to view the Prenglar 1 with sensors that recorded data in the visible, infrared, and microwave spectral regions. This information is used to improve their mining operations on that planet.

