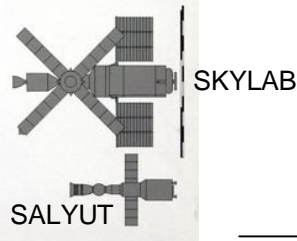
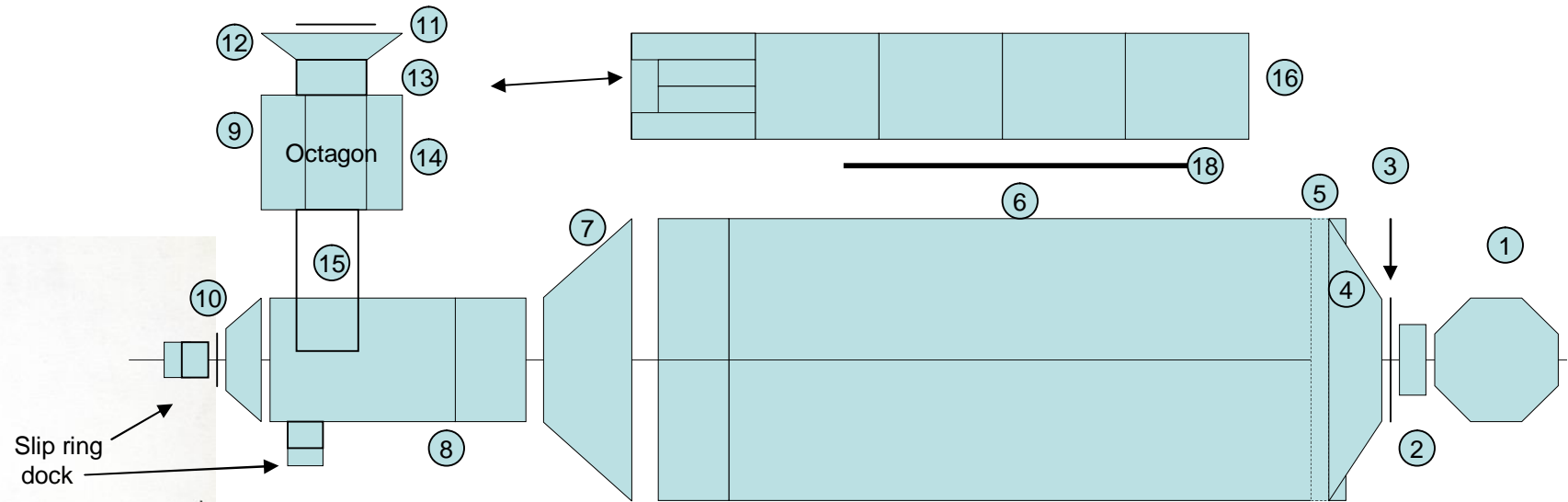


Skylab, the USA's first space station

1:165 scale

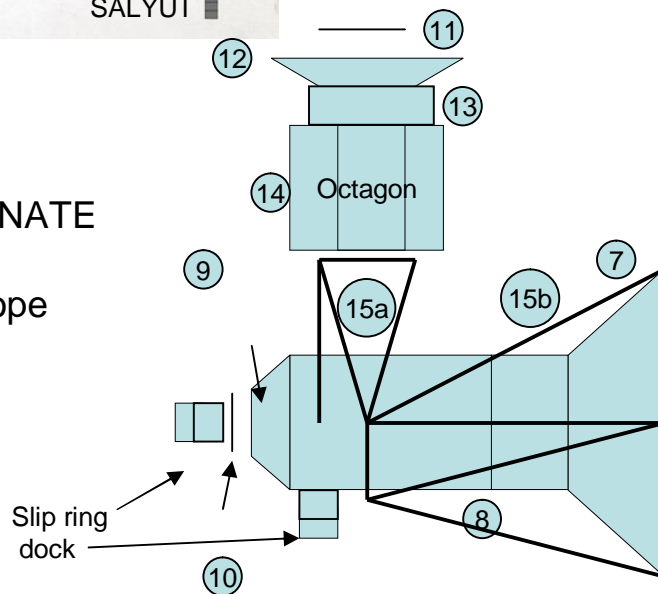


Launched in May 1973 atop a Saturn V booster, Skylab hosted three missions through Feb 1974.

The orbital workshop was built inside a converted Saturn V third stage with an airlock module, multiple docking adapter, and telescope mount attached to the top. Power was provided by four solar arrays on the telescope mount and two on the workshop. One of the arrays on the workshop was torn off on launch. Damage to the shielding required the installation of a "parasol" sunshade attached to the upper science port.

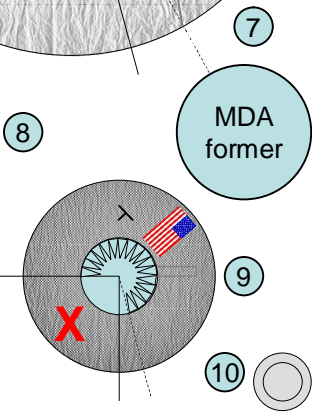
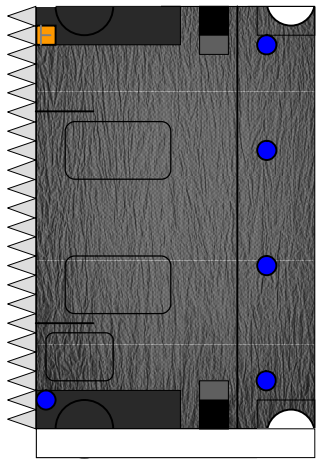
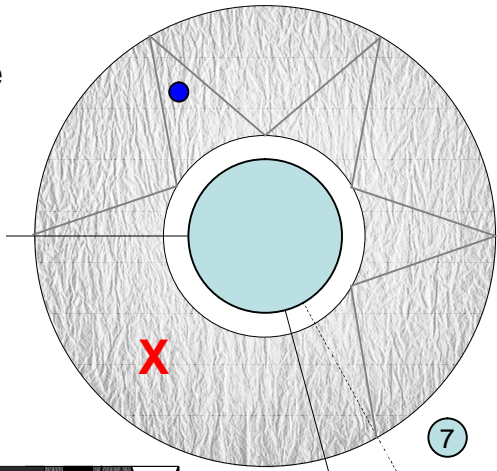
The original mission plan called for multiple missions. Apollo capsules launched on Saturn I boosters carried the first three crews into orbit. Following missions did not occur due to delays in developing the space shuttle which was to have carried subsequent crews to the station. Solar activity increased drag on the station, causing its orbit to decay and the station re-entered the Earth's atmosphere in July of 1979.

ALTERNATE
Apollo
Telescope
Mount

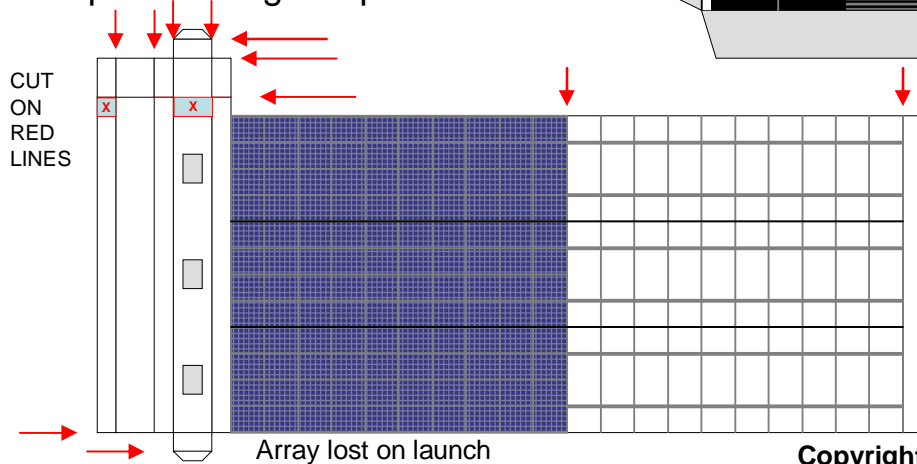


For more information see "Skylab – a Guidebook" at <http://history.nasa.gov/EP-107/contents.htm>

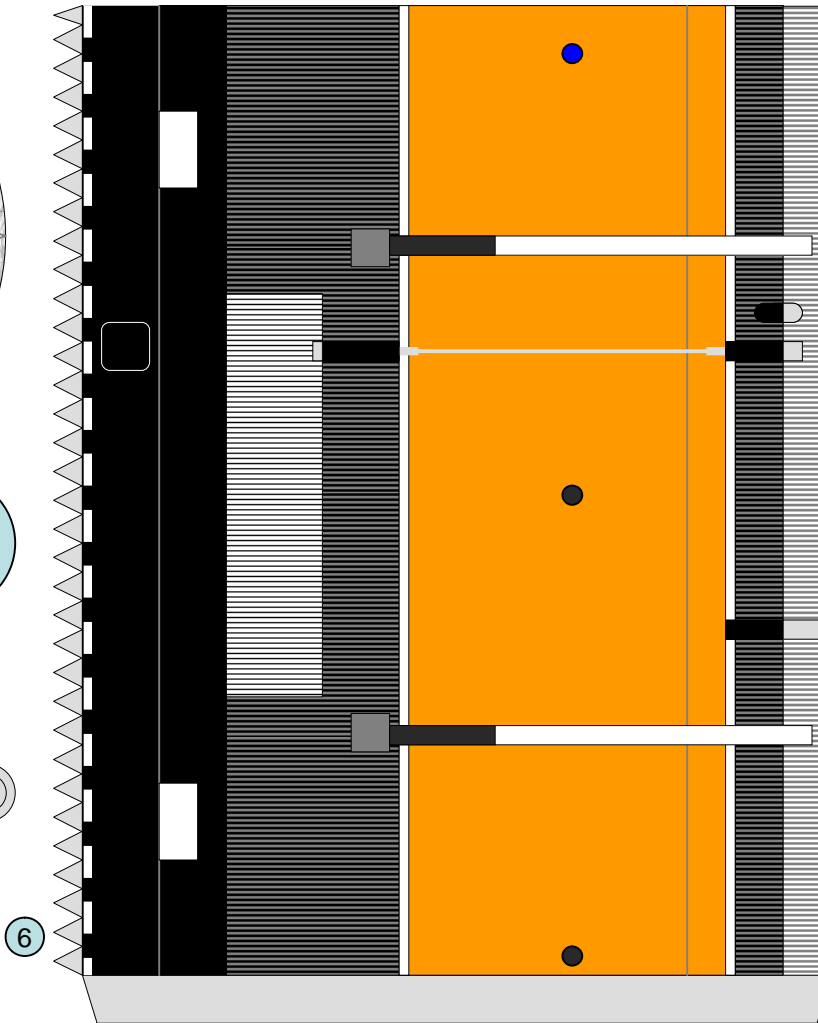
Airlock Module



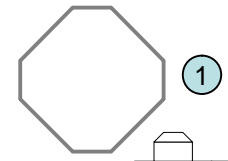
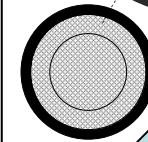
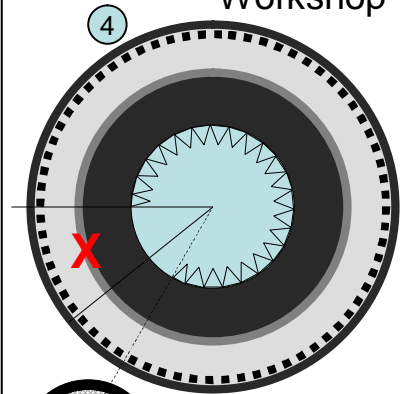
Multiple Docking Adapter



Array lost on launch

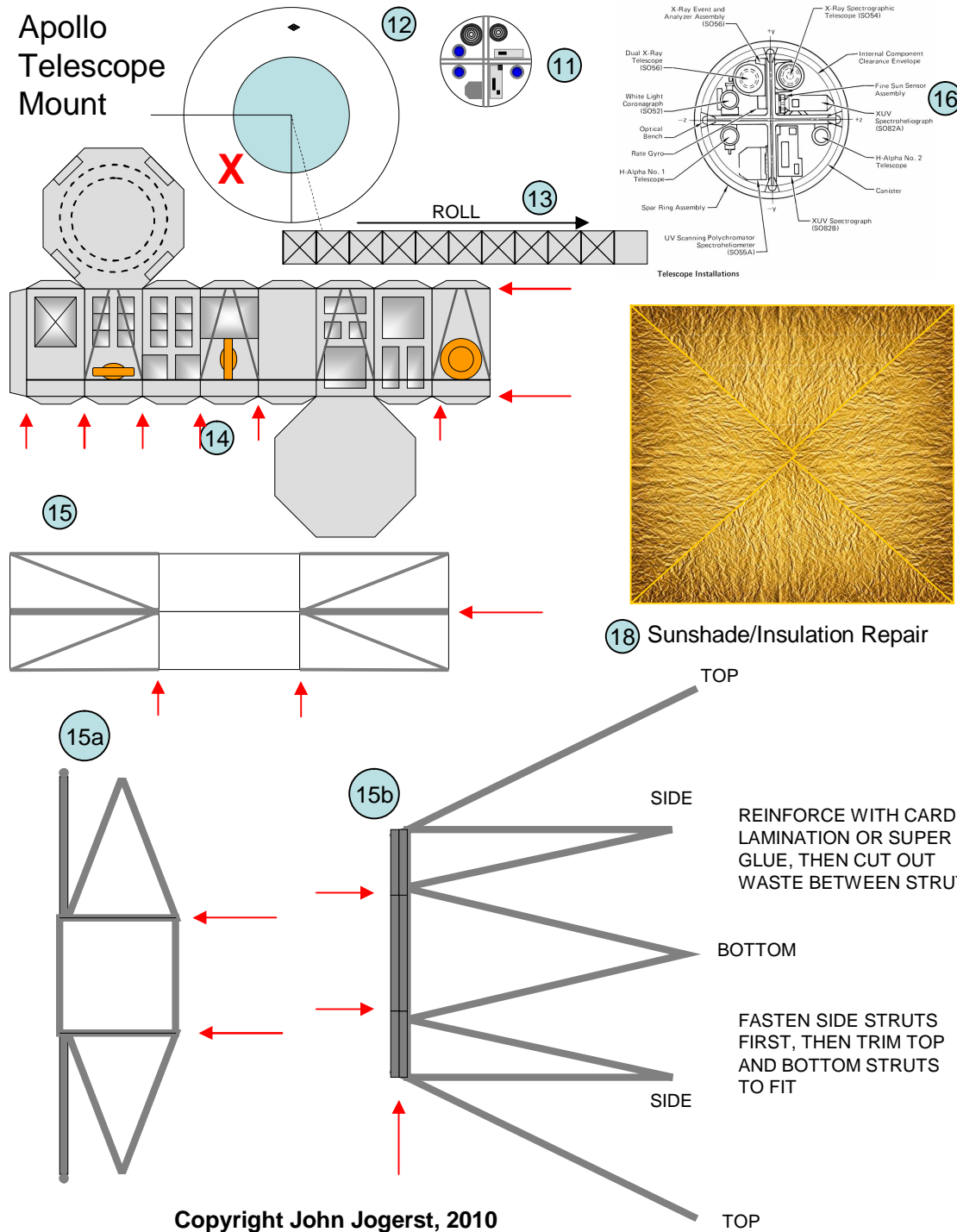


Orbital Workshop



17

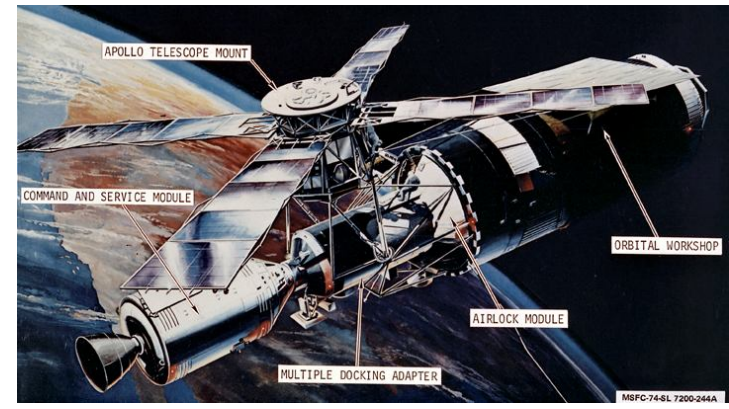
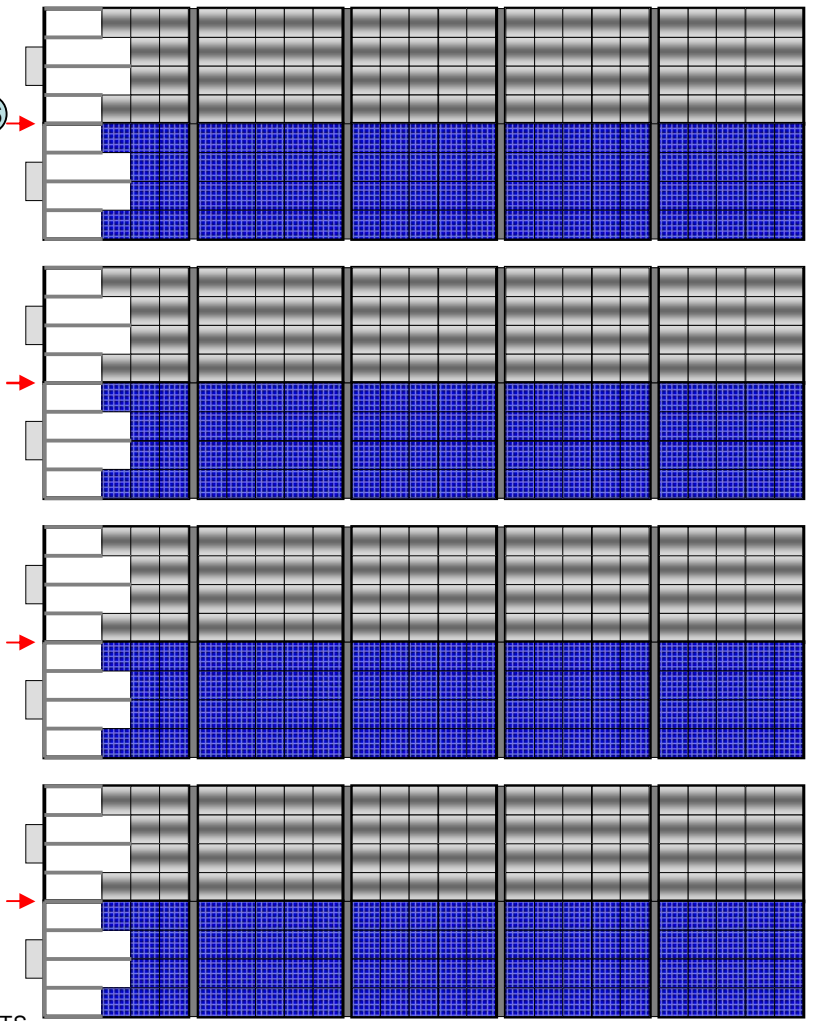
Apollo Telescope Mount

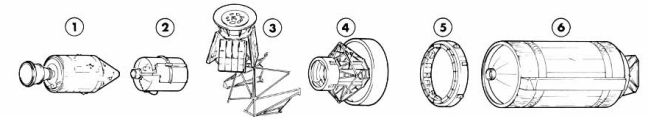
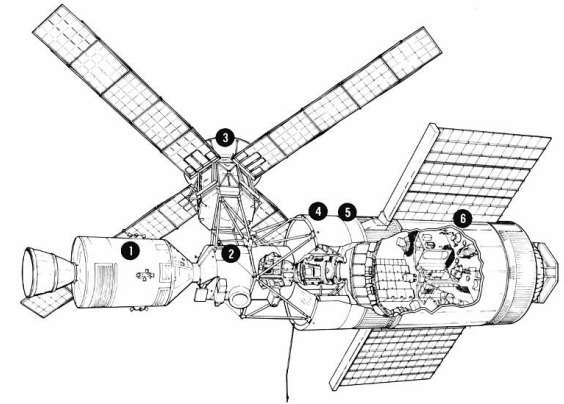
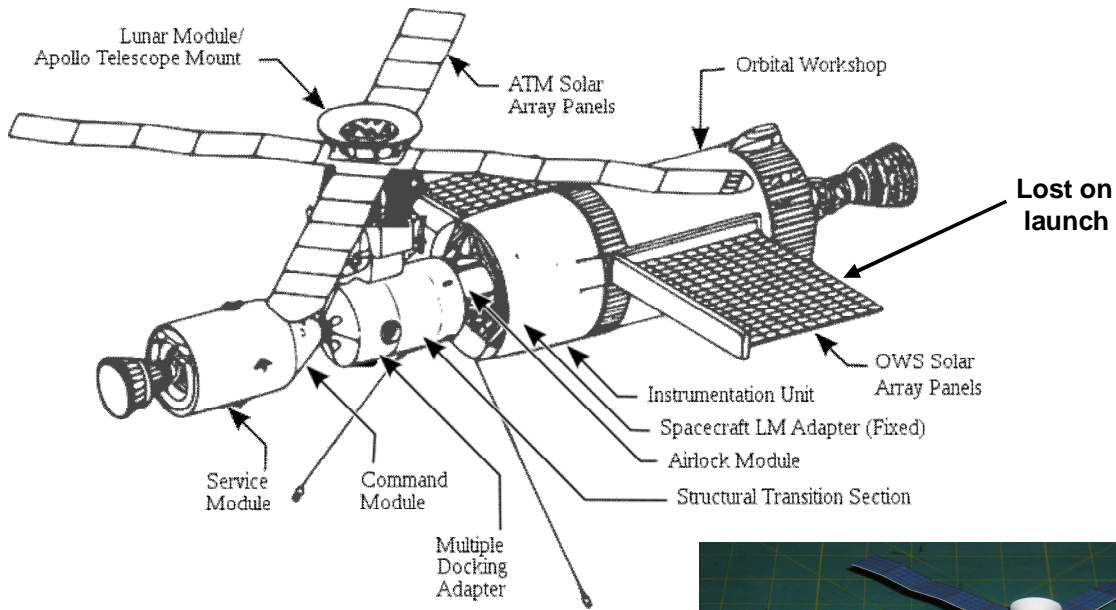


18 Sunshade/Insulation Repair

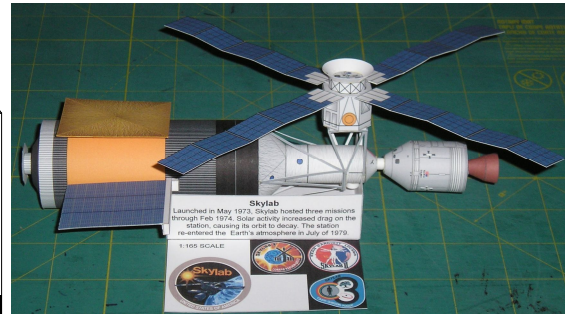
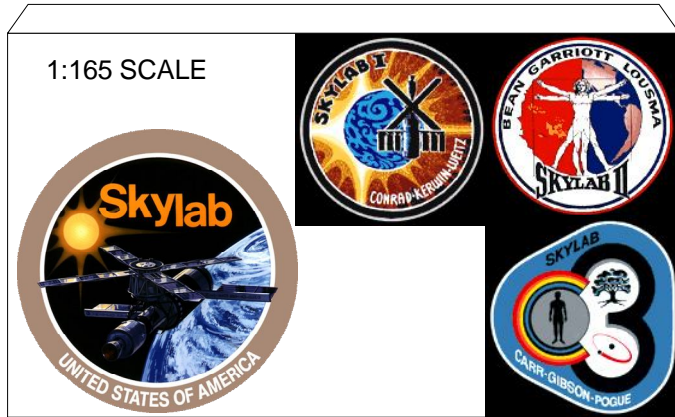
REINFORCE WITH CARD LAMINATION OR SUPER GLUE, THEN CUT OUT WASTE BETWEEN STRUTS

FASTEN SIDE STRUTS FIRST, THEN TRIM TOP AND BOTTOM STRUTS TO FIT





Element	Command and Service Module	Multiple Docking Adapter	Apollo Telescope Mount	Airlock Module/Fixed Airlock Shroud	Instrument Unit	Orbital Workshop
Function	Crew Ascent & Descent	ATM/REP Controls & Displays	Solar Observation	Power Control & Distribution Environmental Control Utility Center Data System Extravehicular Activity Port	Launch Vehicle Control	Primary Living & Working Area Experiment Laboratory Stowage
Length (ft)	34.3	17.3	13.3	17.6	3.0	48.1
Diameter (ft)	13.0	10.0	-	10.0	21.5	21.6
Working Volume (cu ft)	366	1,140	-	613	-	9,550



Skylab
 Launched in May 1973, Skylab hosted three missions through Feb 1974. Solar activity increased drag on the station, causing its orbit to decay. The station re-entered the Earth's atmosphere in July of 1979.

