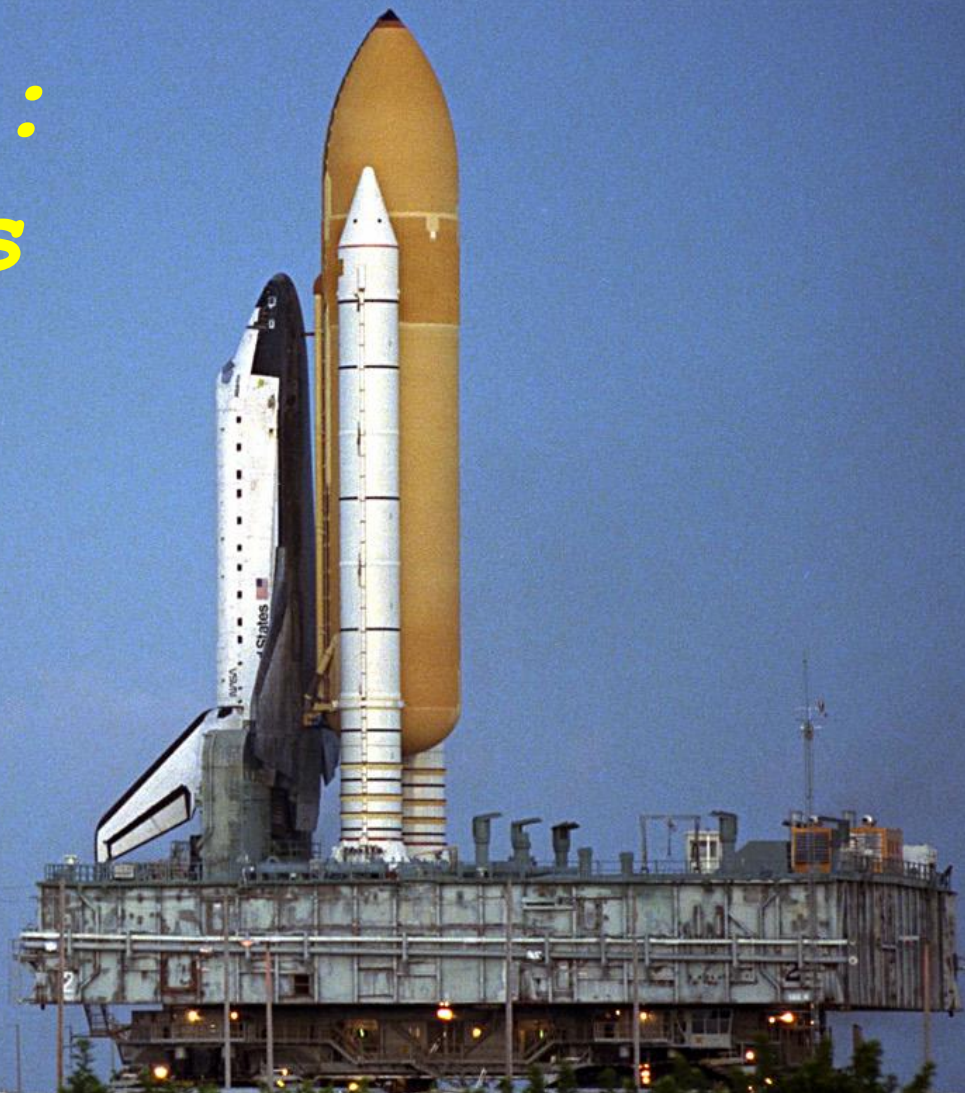
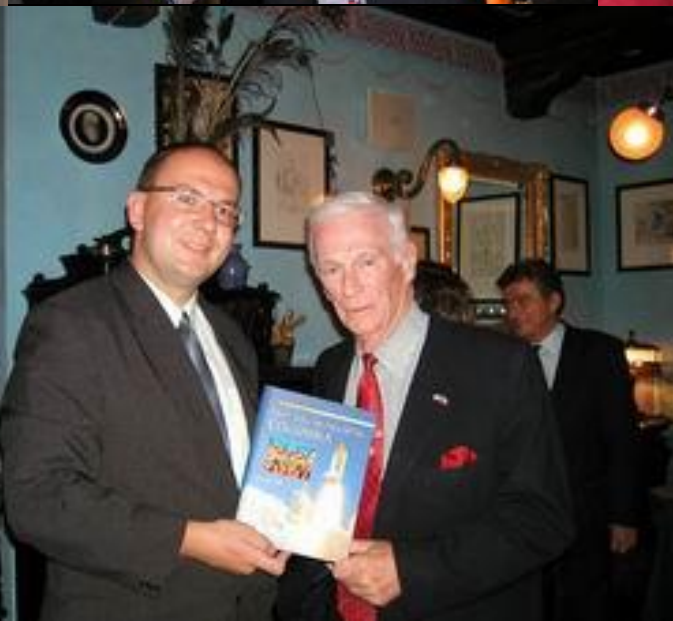
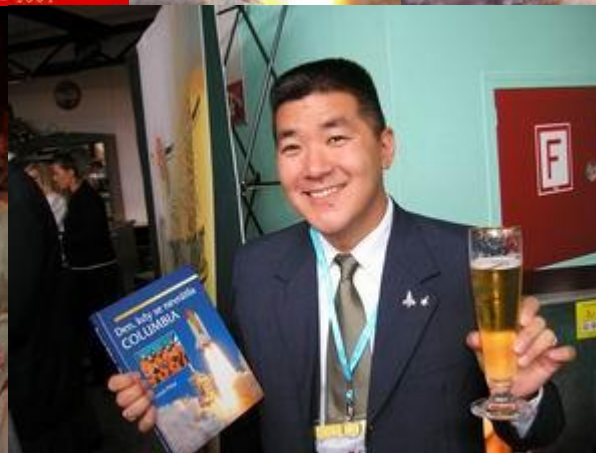
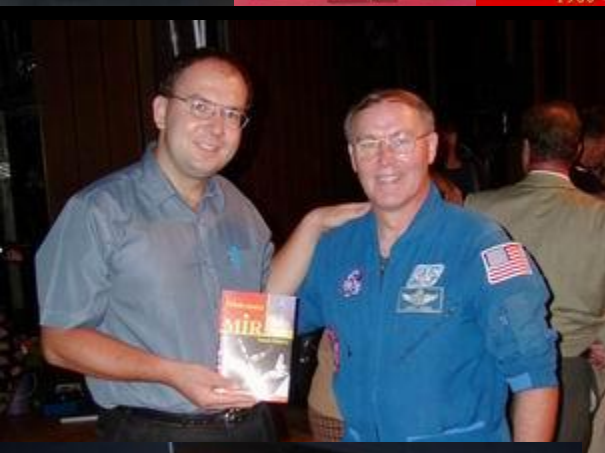
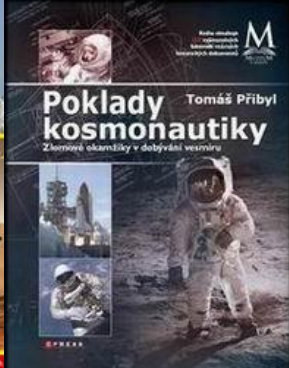


*Kosmické
raketoplány:
včera, dnes
a zítra*



Ing. Tomáš PŘIBYL
tomas.pribyl@seznam.cz
www.kosmonaut.cz



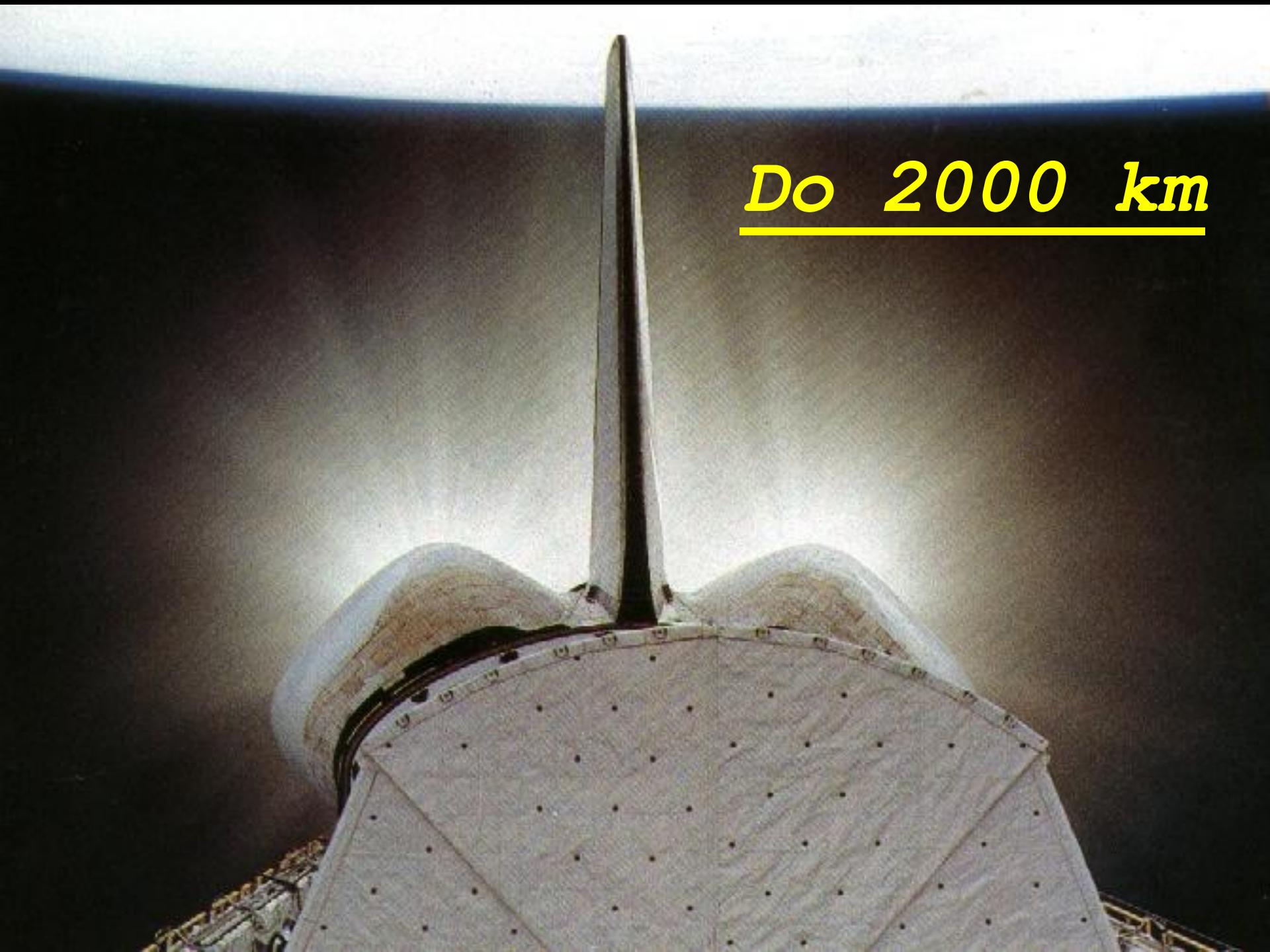


MISE

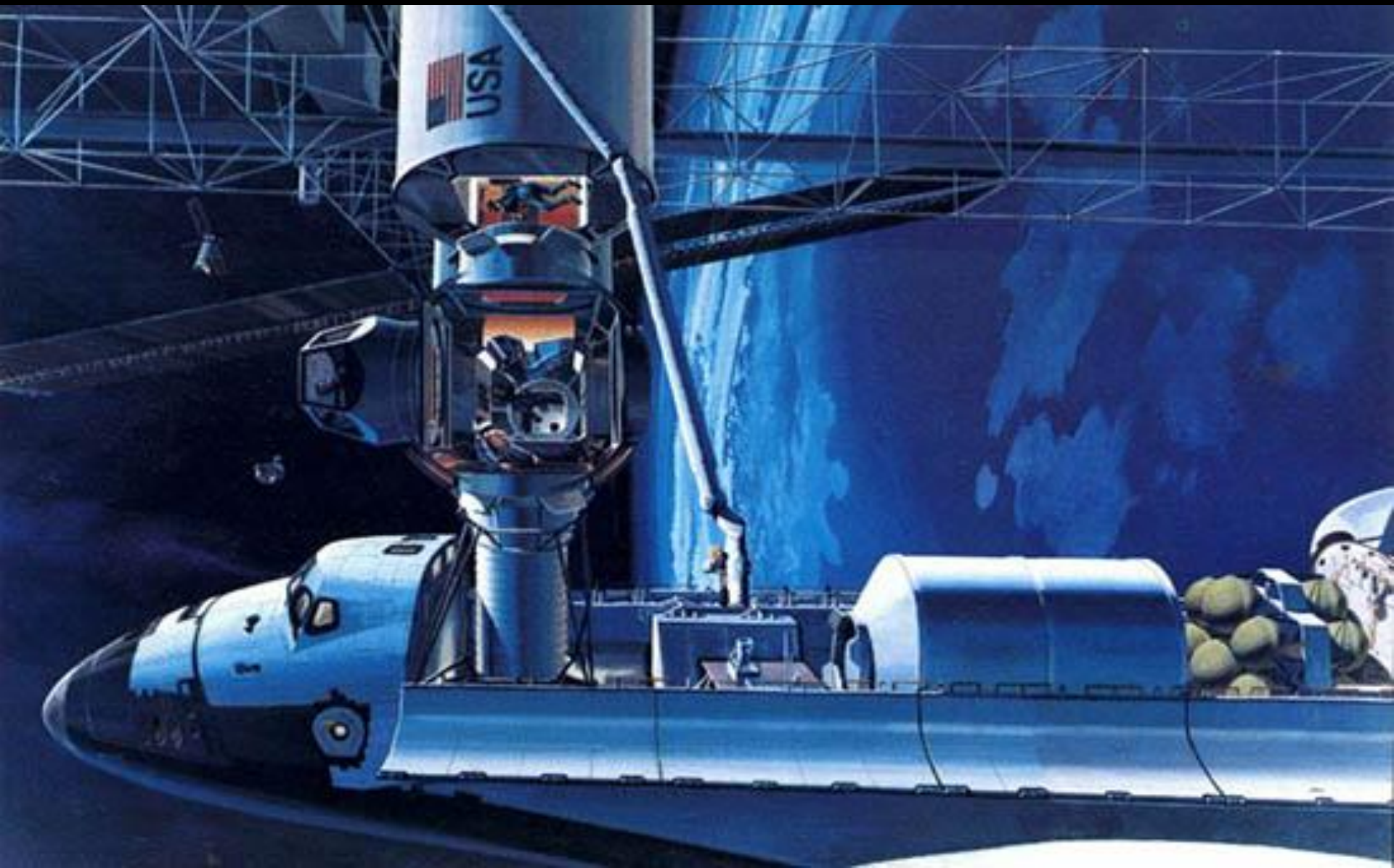
Šedesát startů ročně



Do 2000 km

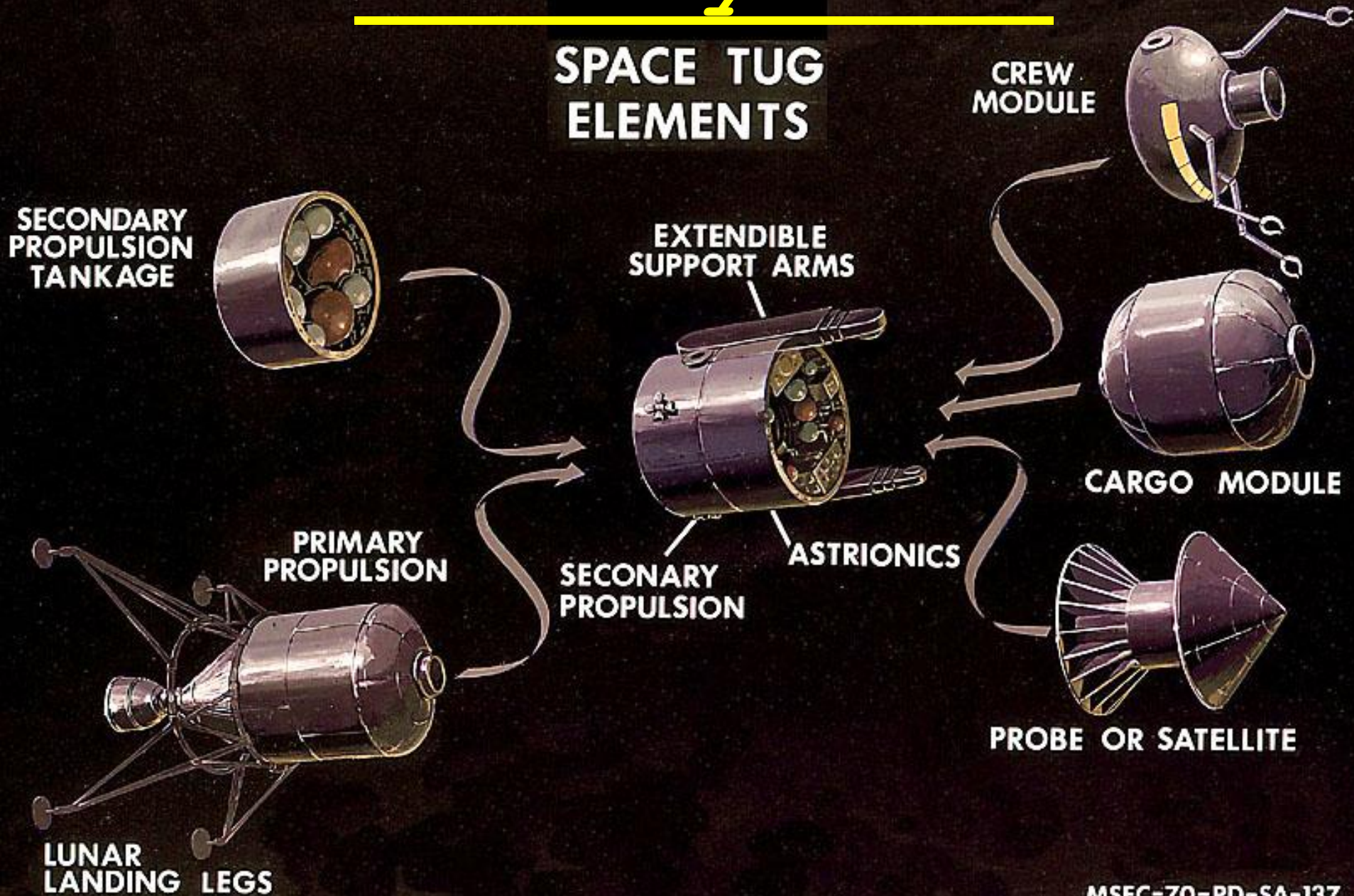


Čtyřtýdenní mise



Kosmický tahač

SPACE TUG ELEMENTS



Horní
stupeň
Centaur



Nahoru a dolů

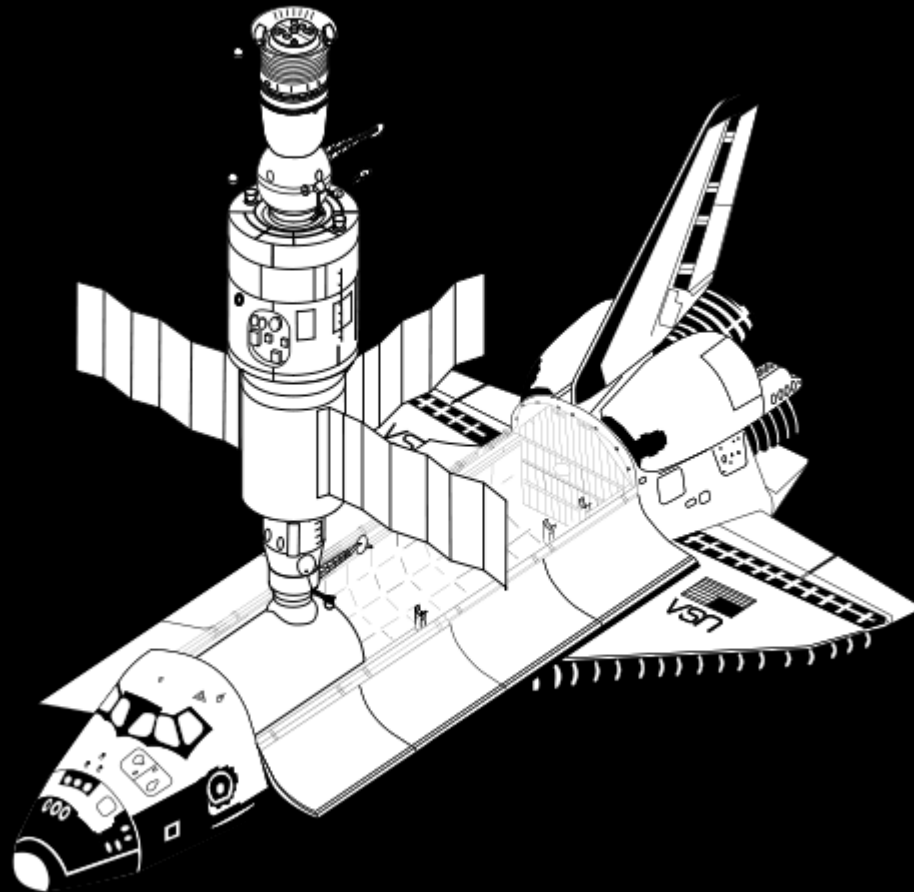


Záchrana stanice Skylab

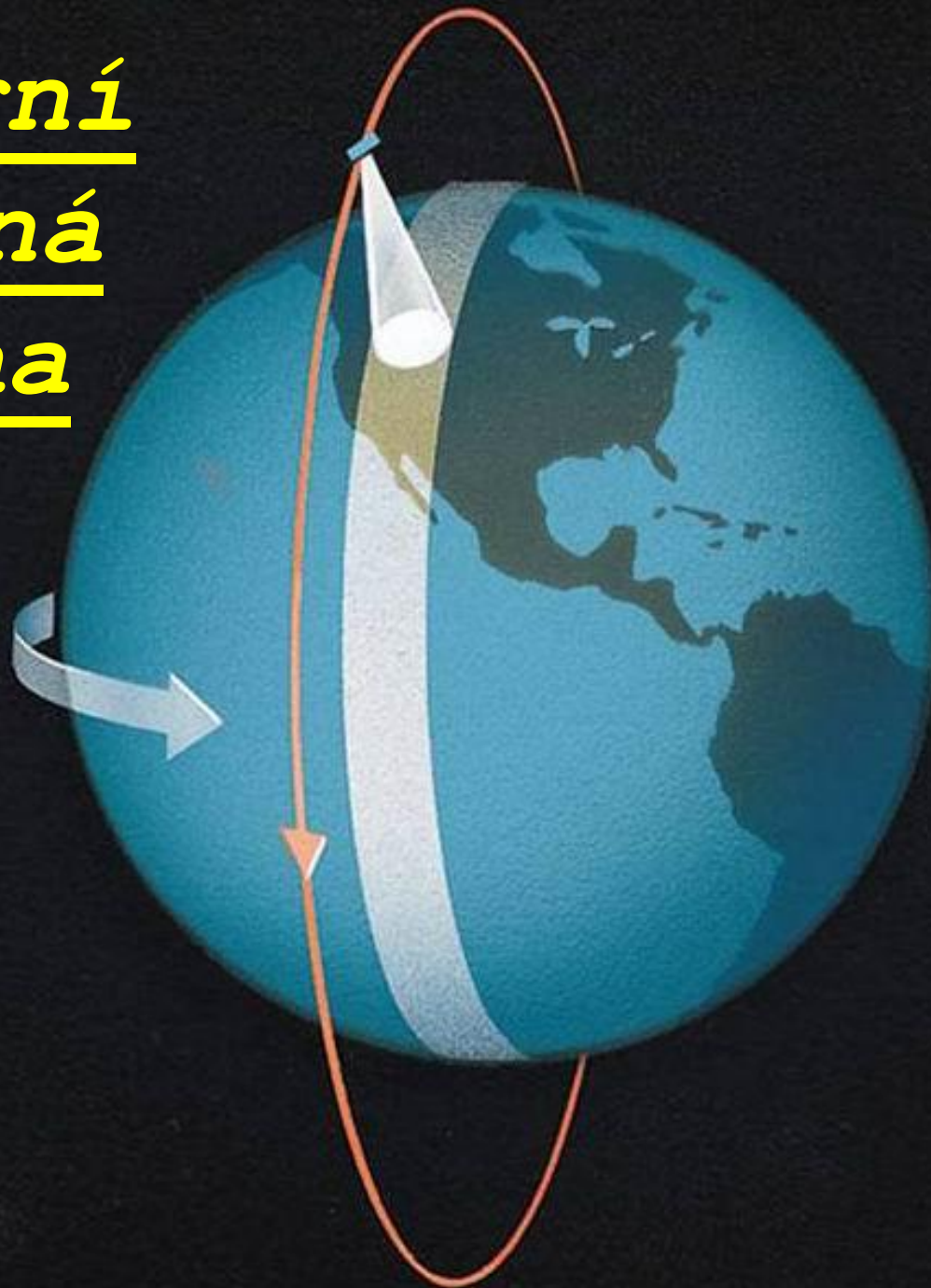


SKYLAB BOOST
MISSION

Cesta ke stanici Saljut



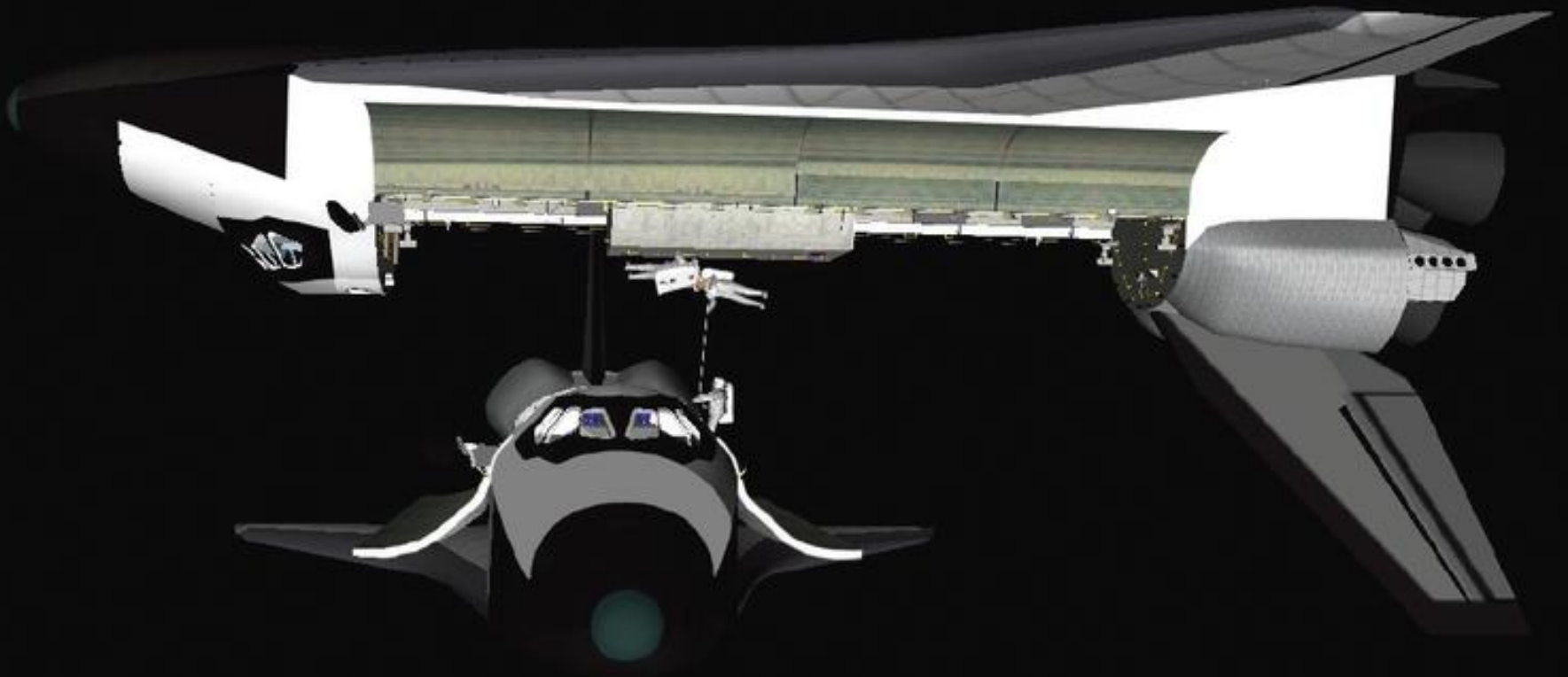
Polární
oběžná
dráha



Jeden jediný oblet Země



Záchrana posádky Columbia



LEČ...

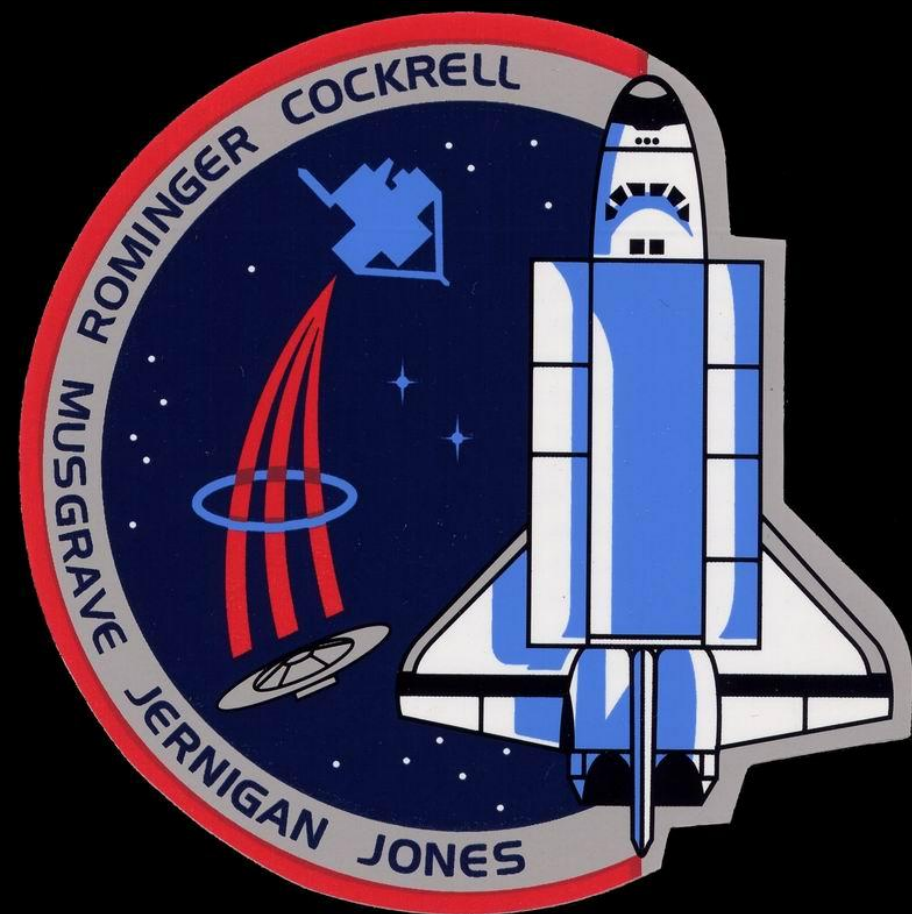
Šedesát startů ročně



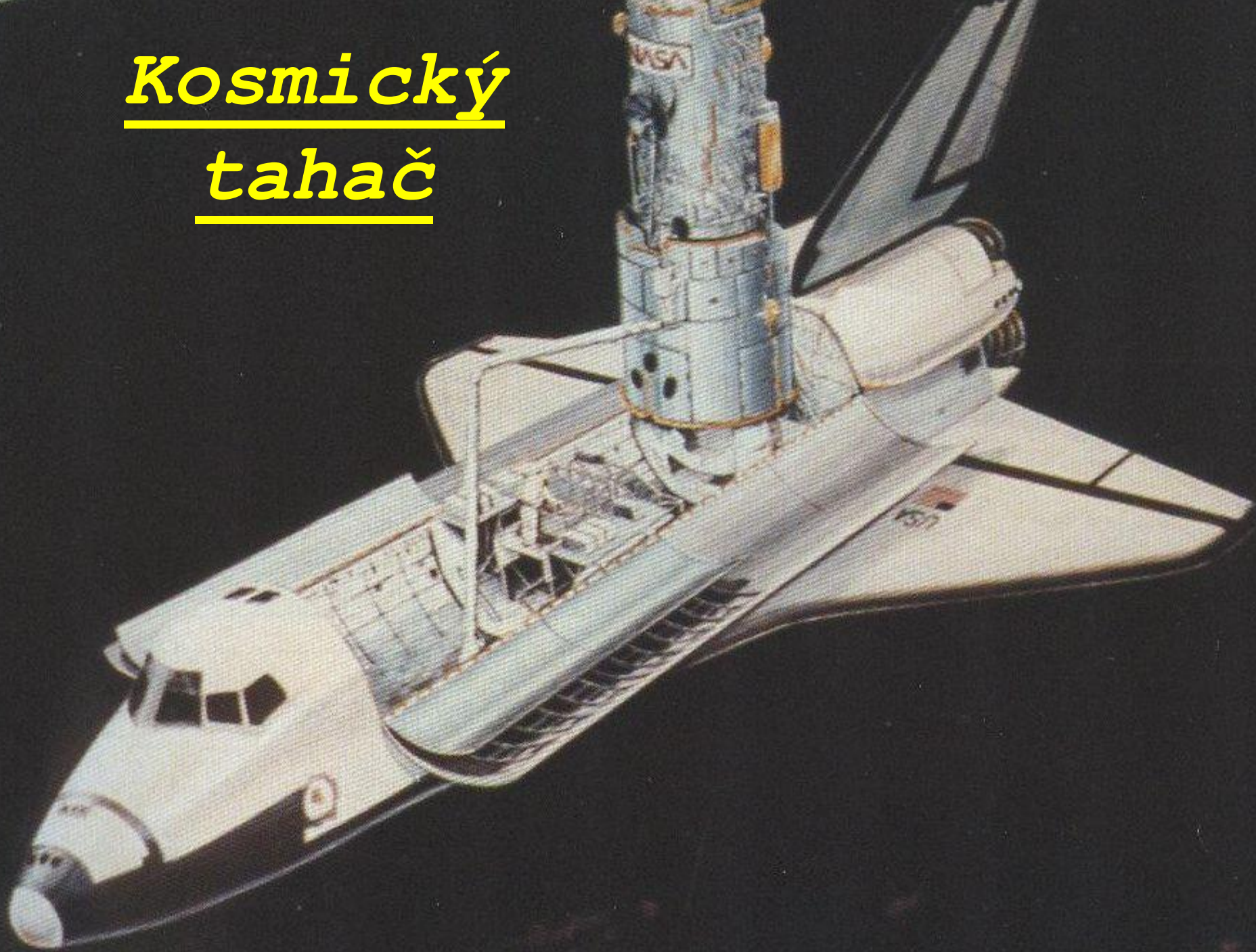
Do 2000 km



Čtyřtýdenní mise



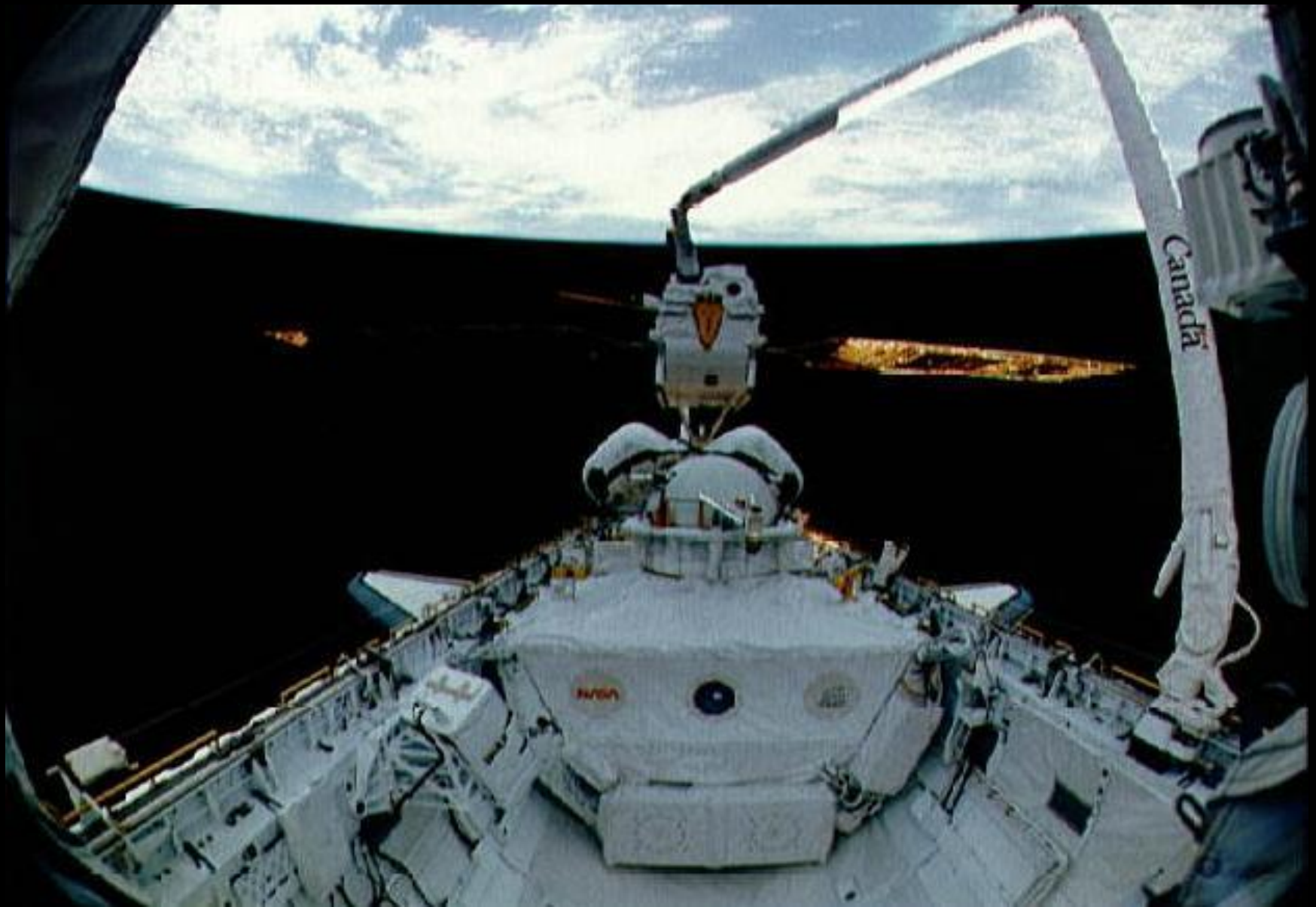
Kosmický
tahač





Horní
stupeň
Centaur

Nahoru a dolů



Záchrana
stanice
Skylab



Skylab: America's First Space Station
Skylab Fragment

SKYLAB FRAGMENT

Cesta ke stanici Saljut



Polární oběžná dráha







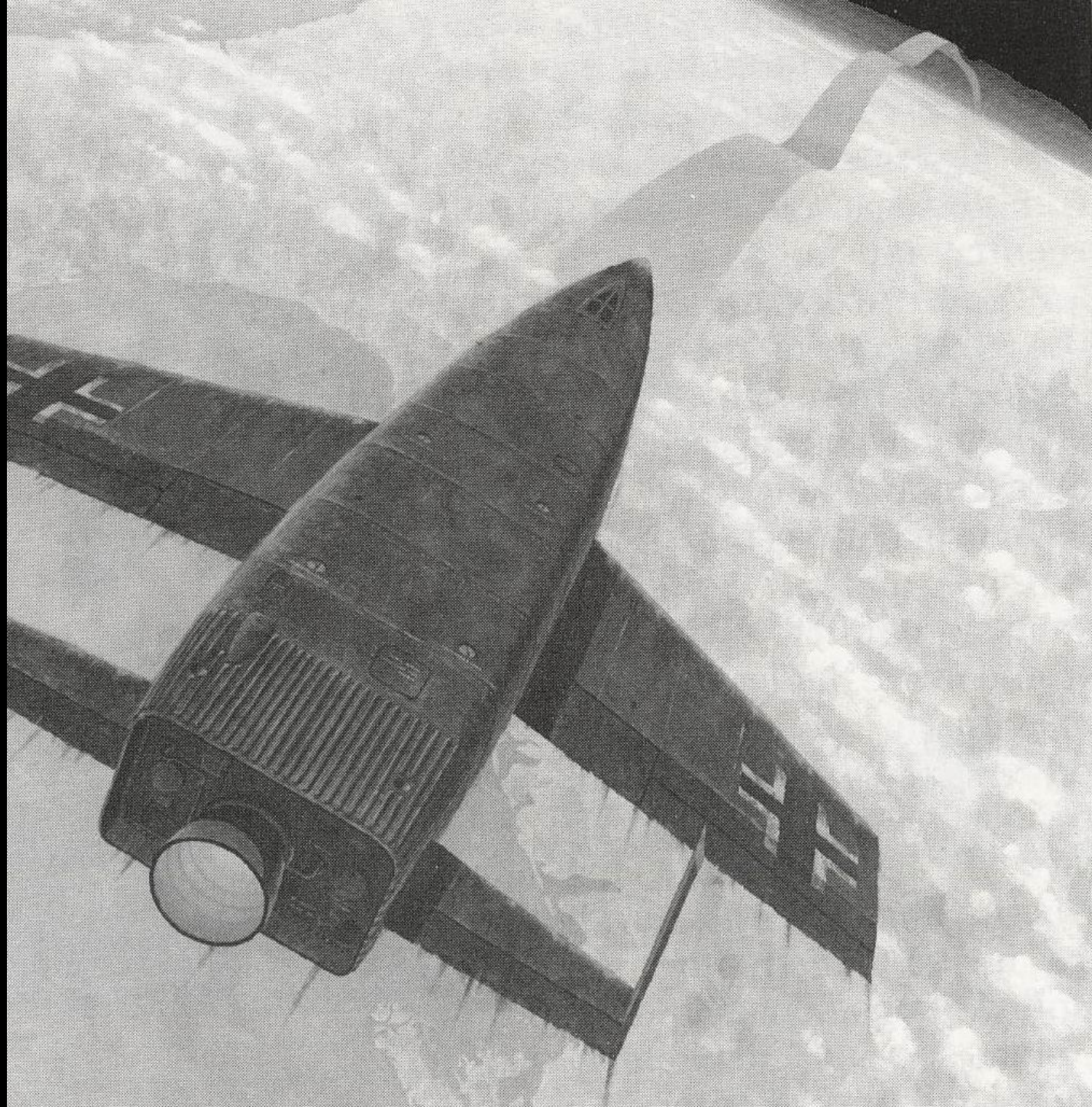
Záchrana posádky Columbie



1933

Silbervogel

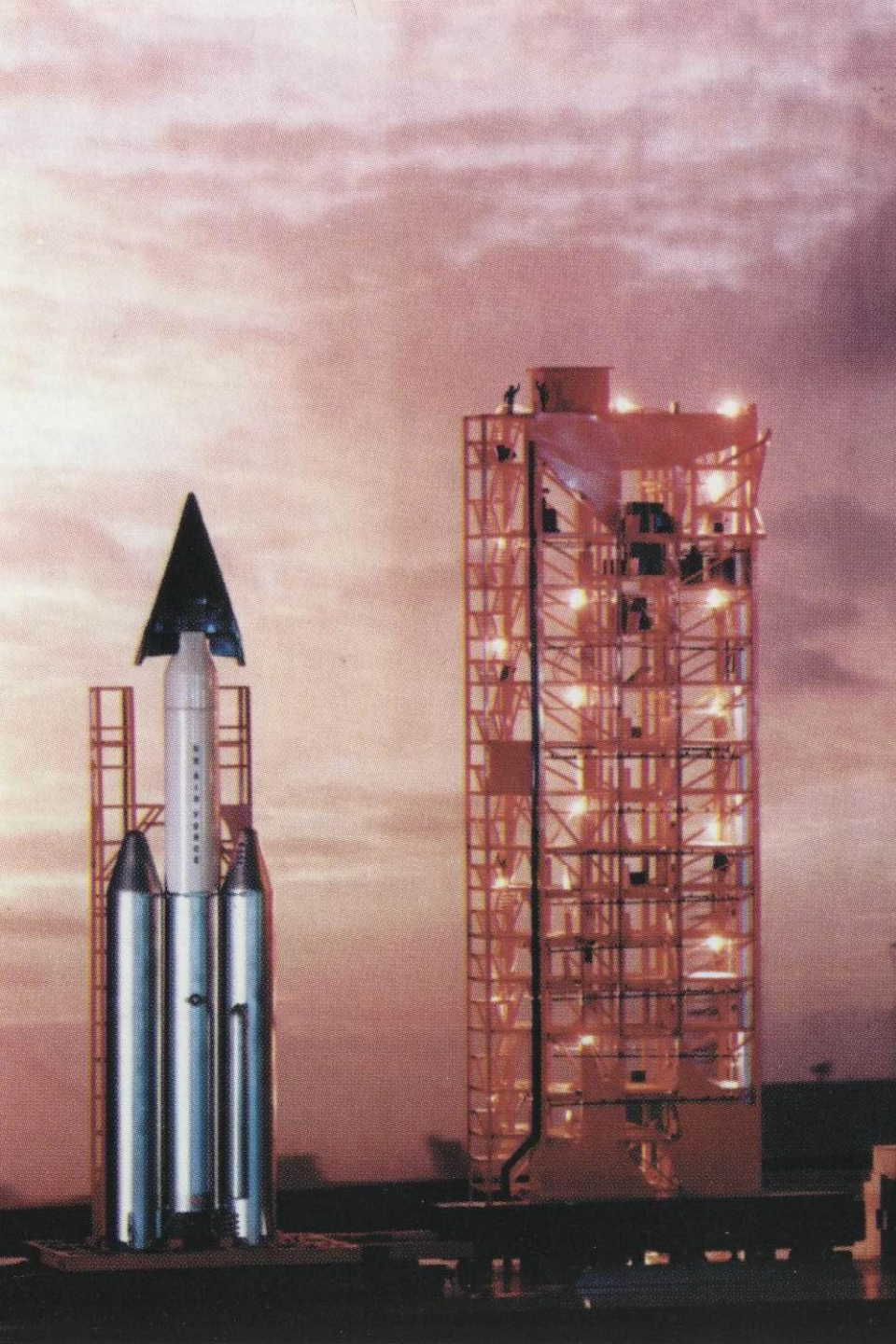




1957

Dyna Soar





A yellow and black model airplane is shown in flight, banking to the right. The fuselage is black with the words "U.S. AIR FORCE" written in white, bold, sans-serif capital letters. The wings and tail are yellow. The background is a dark, hazy landscape with some ground visible at the bottom.

U.S. AIR FORCE

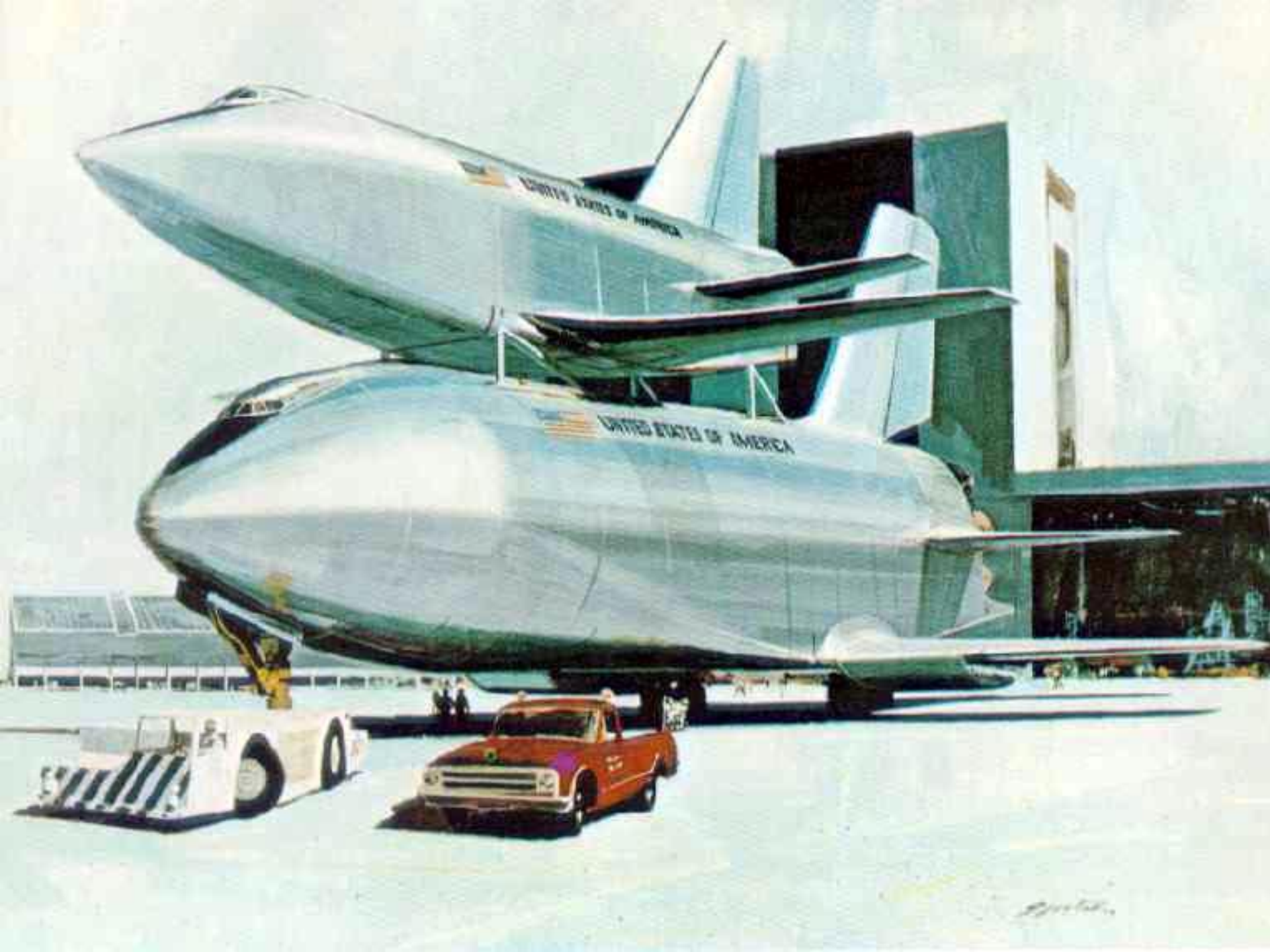
1959







1972



UNITED STATES OF AMERICA

UNITED STATES OF AMERICA

Spencer





THE CHANGING



NASA

Discovery

DISCOVERY

1974



1977



NASA
905

NASA
United States







1981





NASA

United States

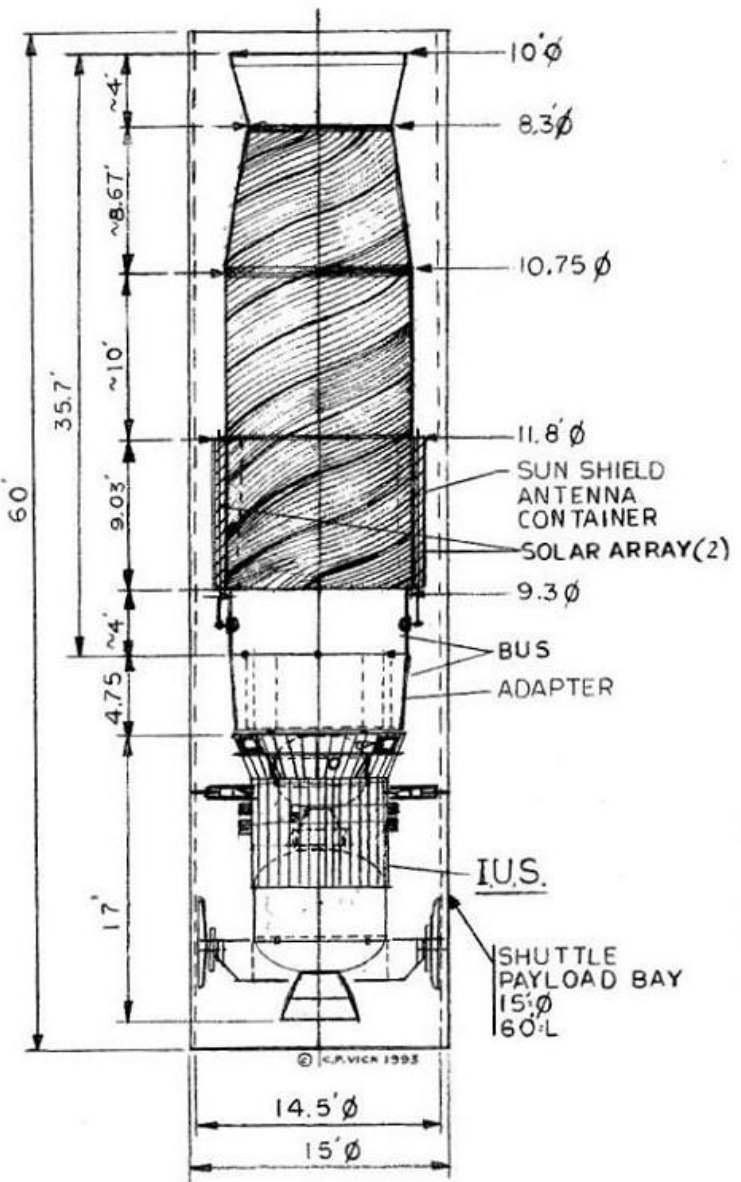


Columbia

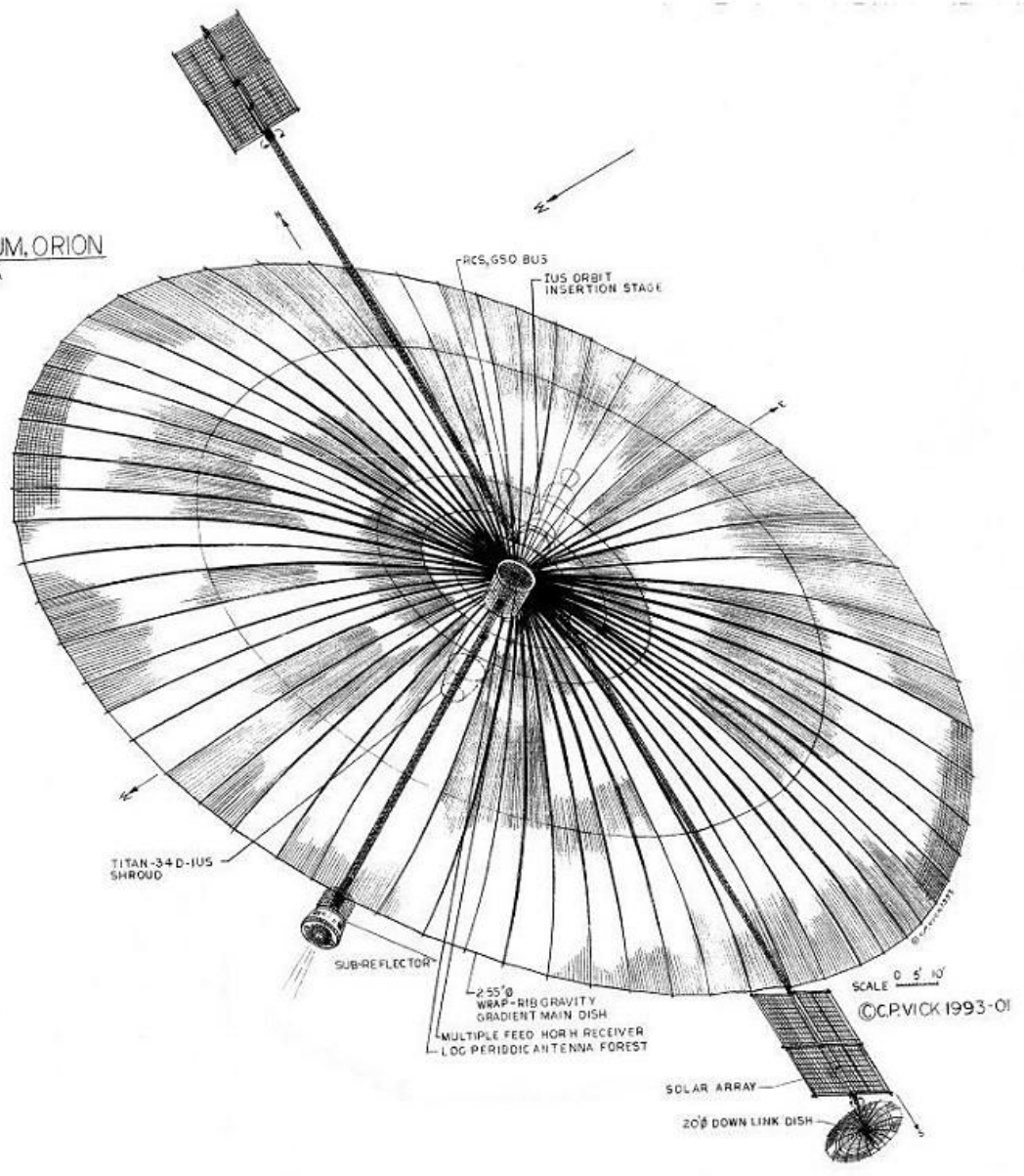


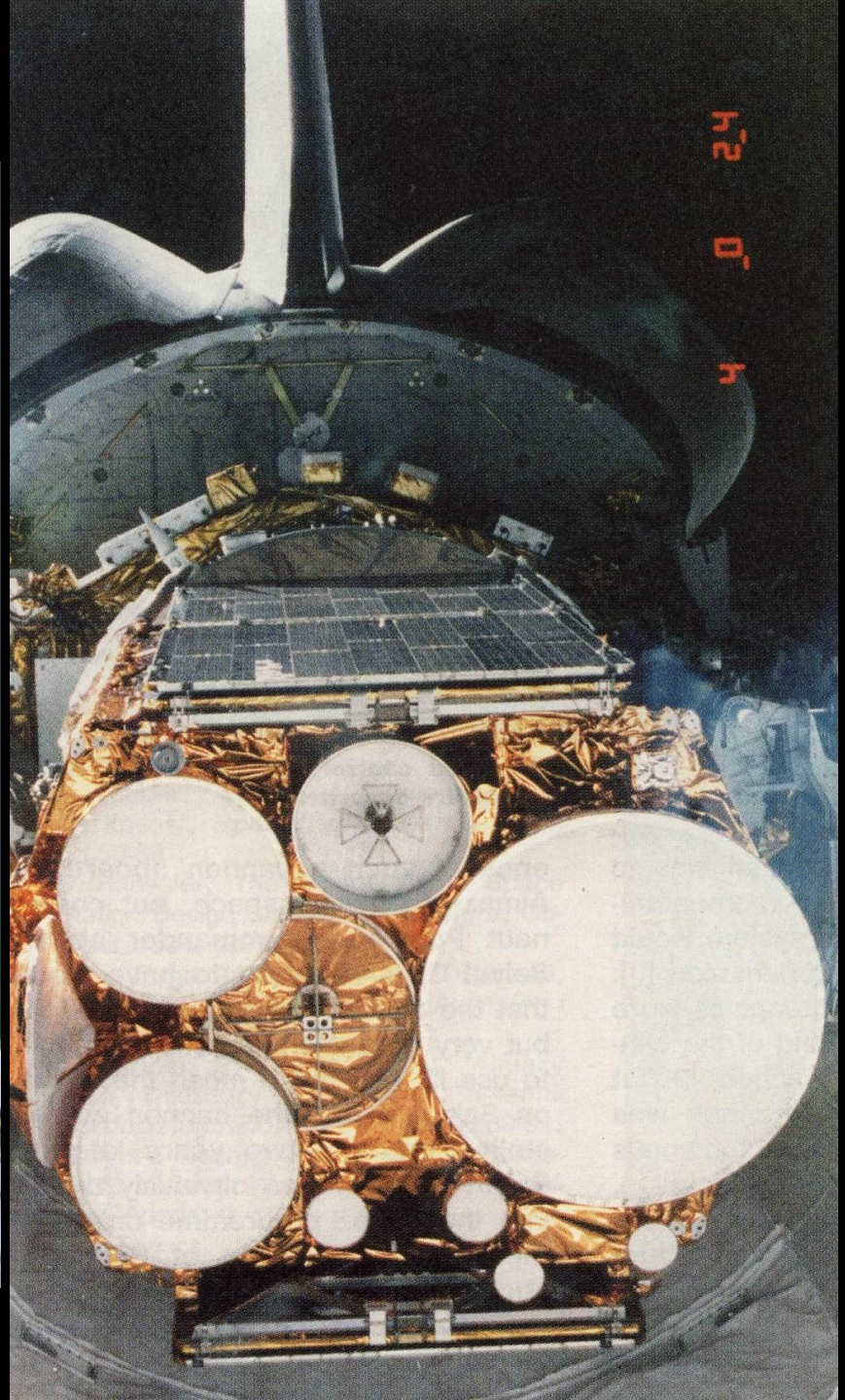
1985





MAGNUM, ORION
CIA, NSA

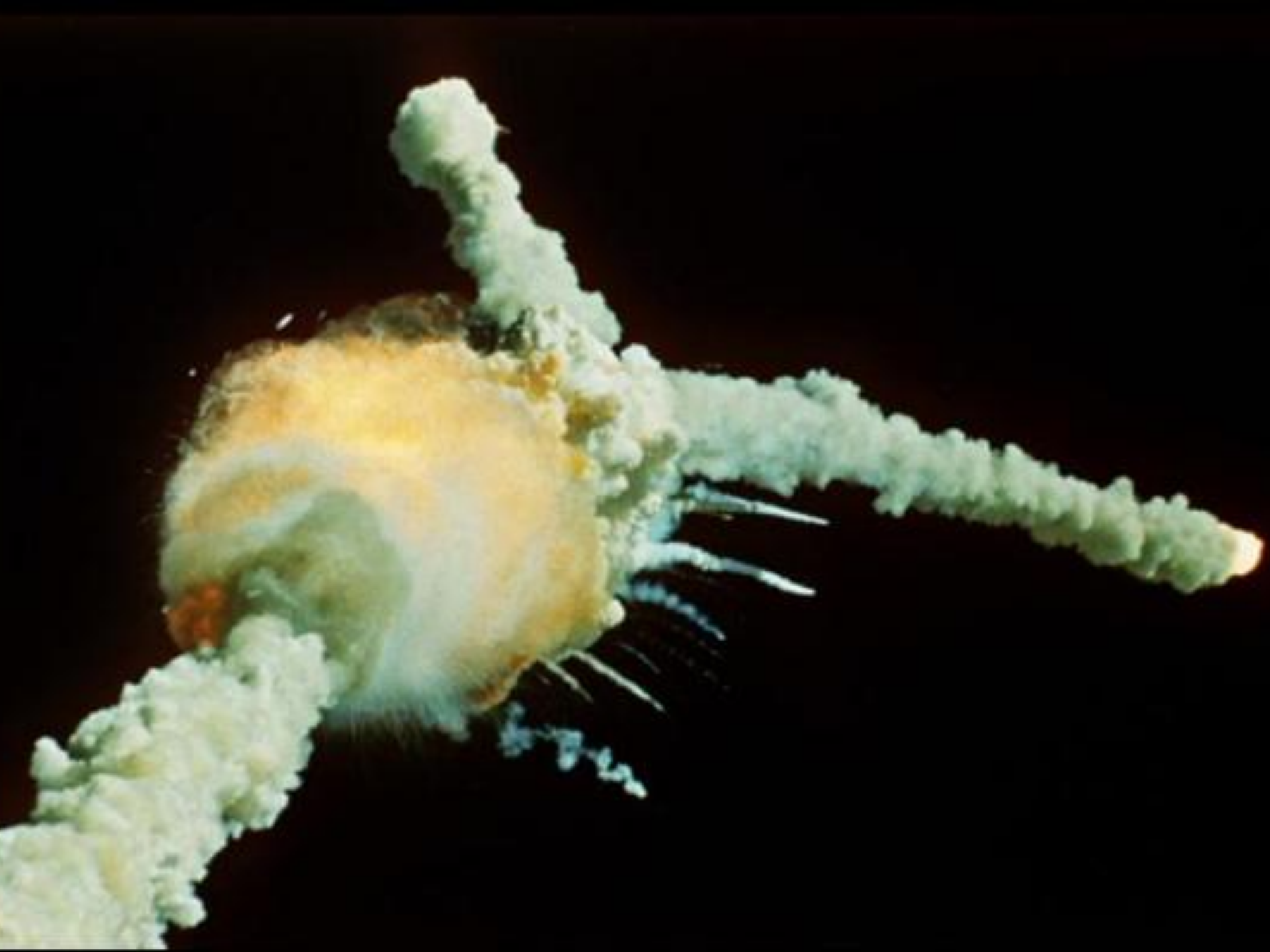




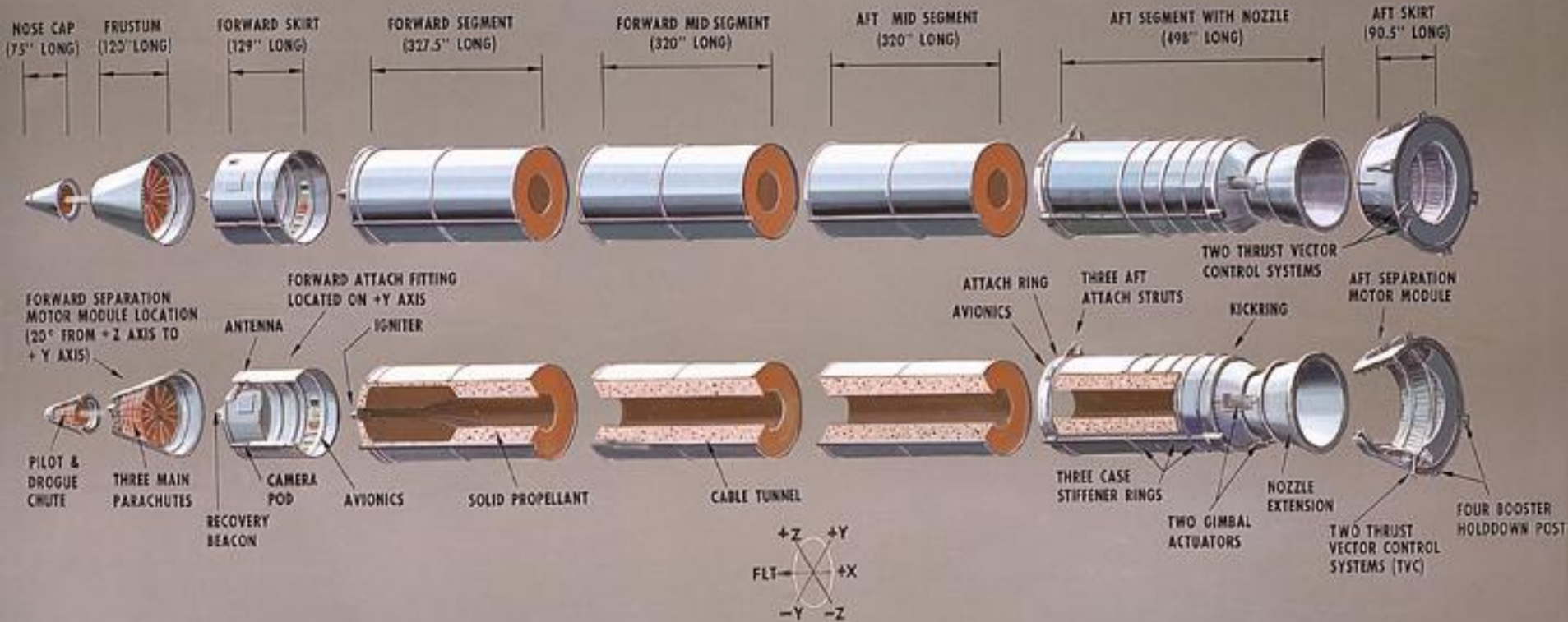
H2 O 4

1986

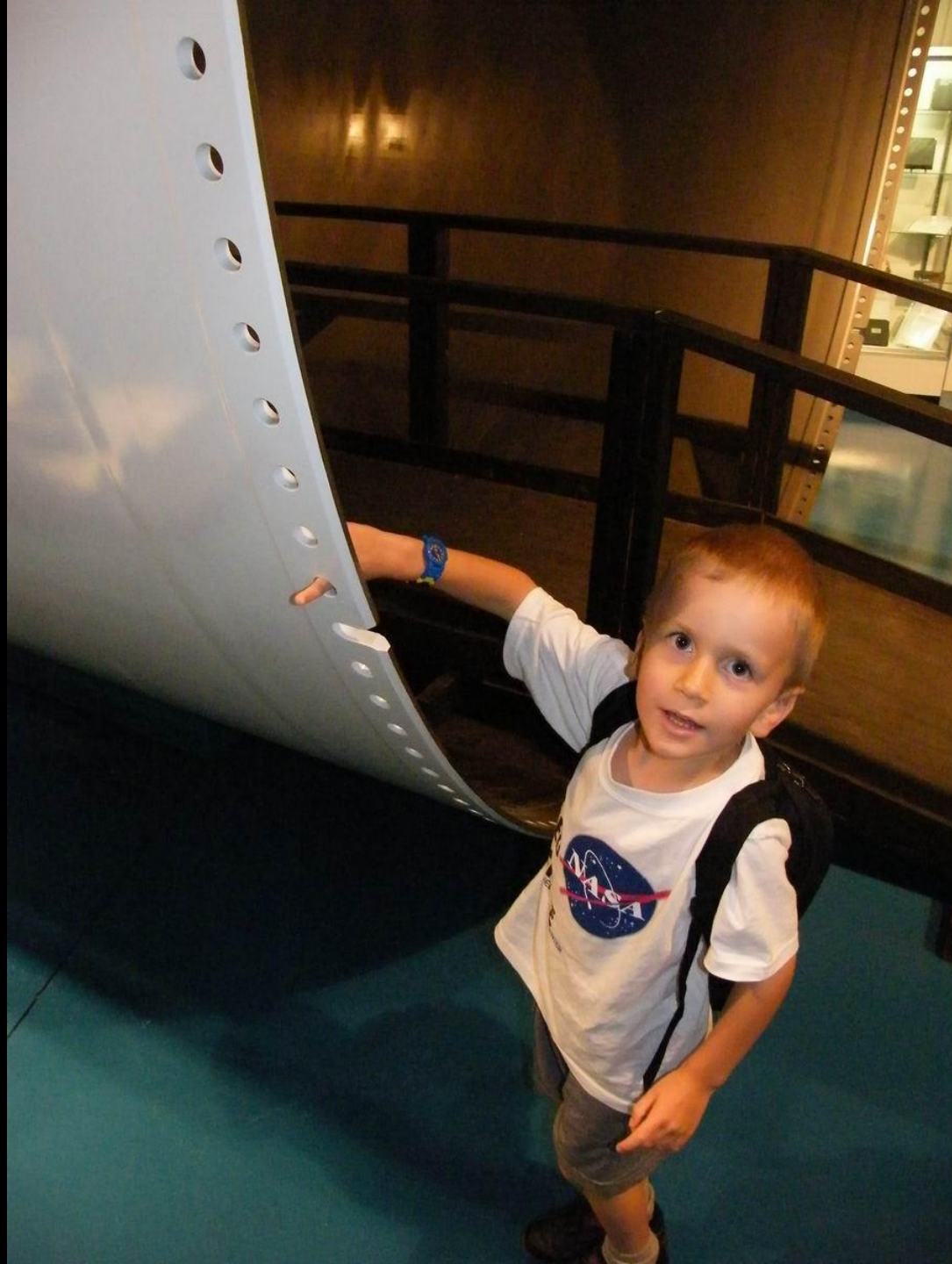


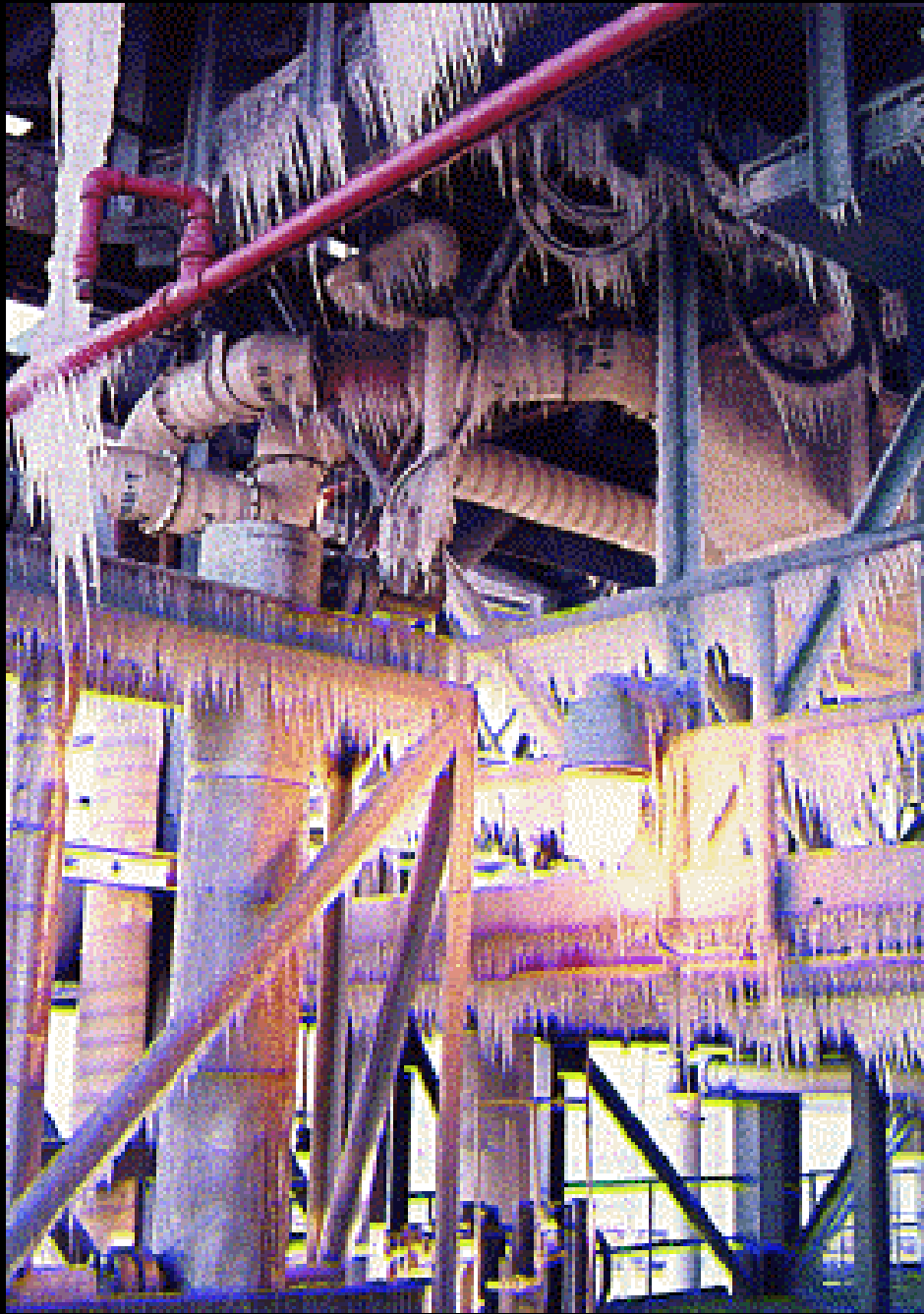


SOLID ROCKET BOOSTER—SRB















1987







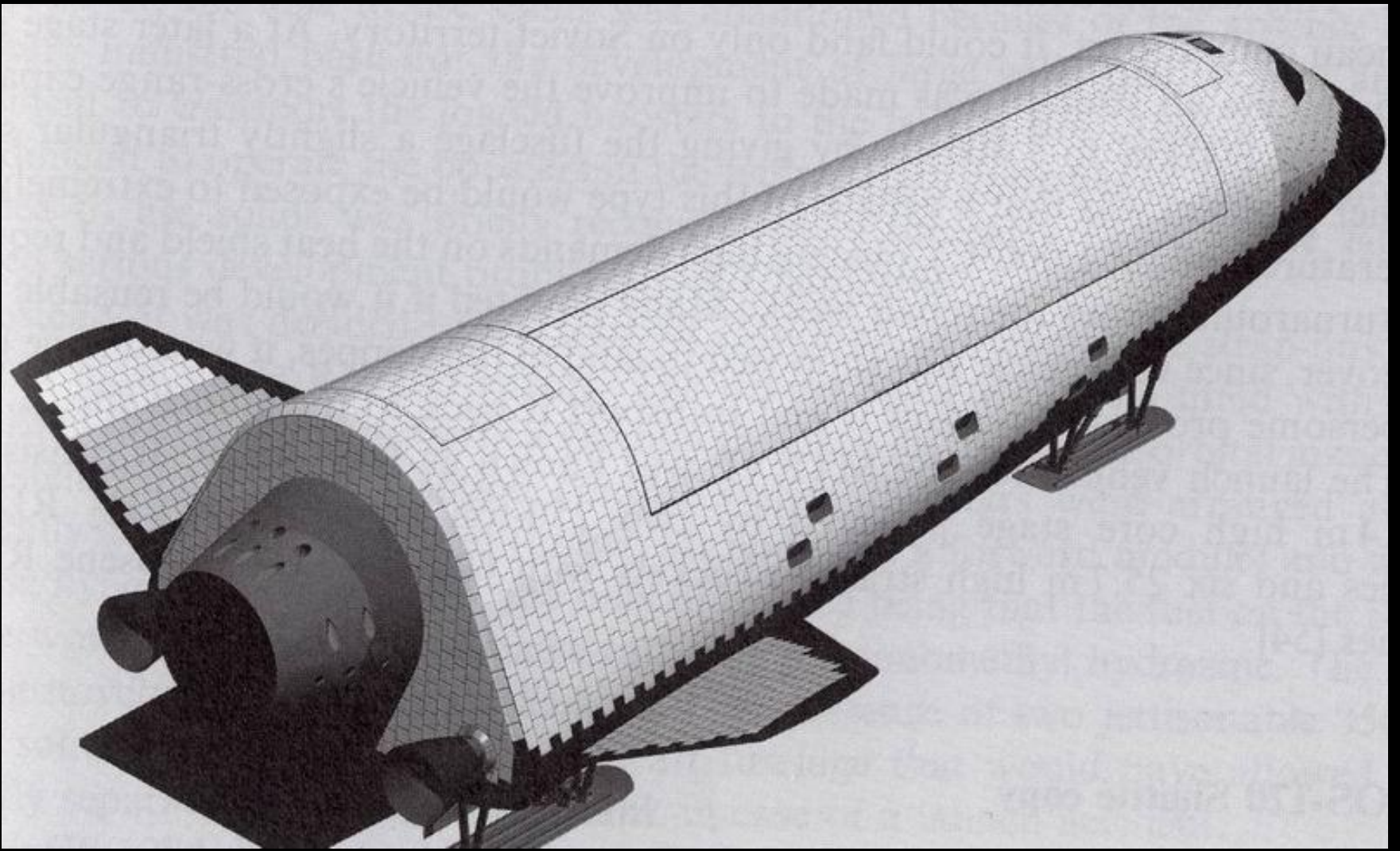
1988

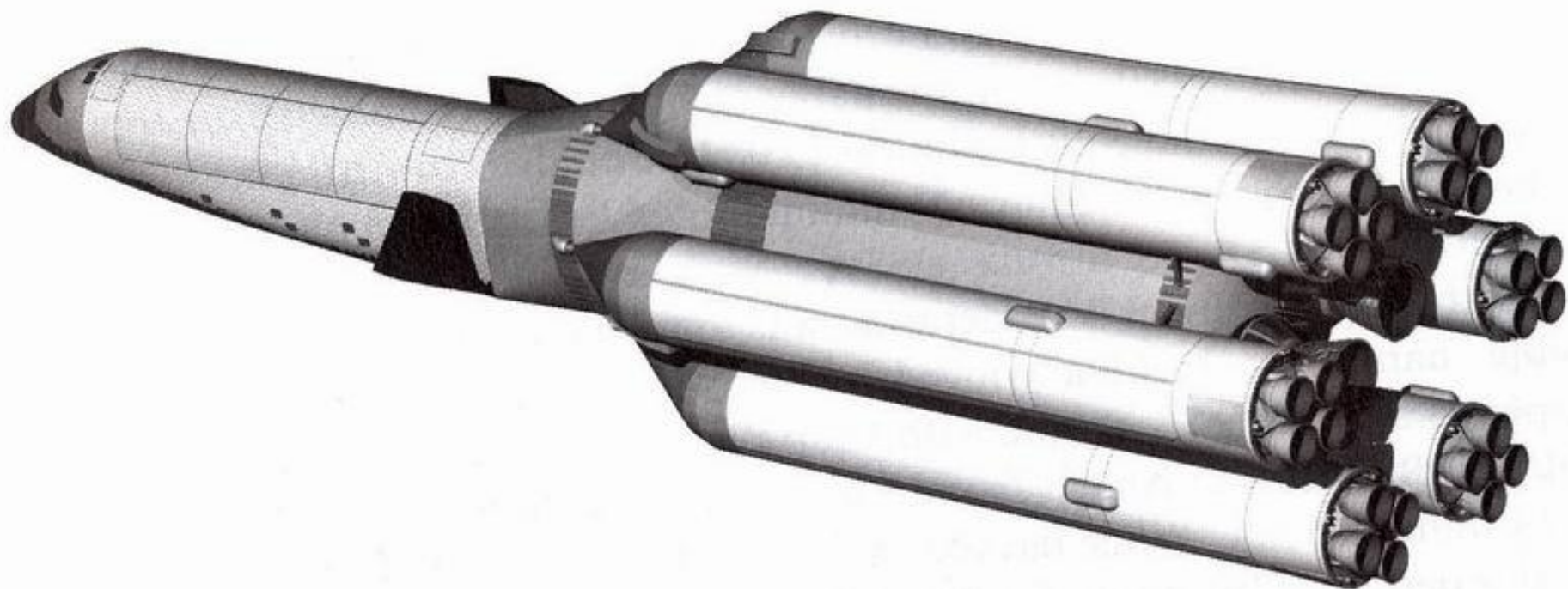




1988









1992











1995



1998







2001





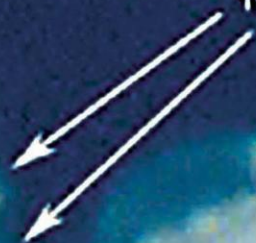


2003



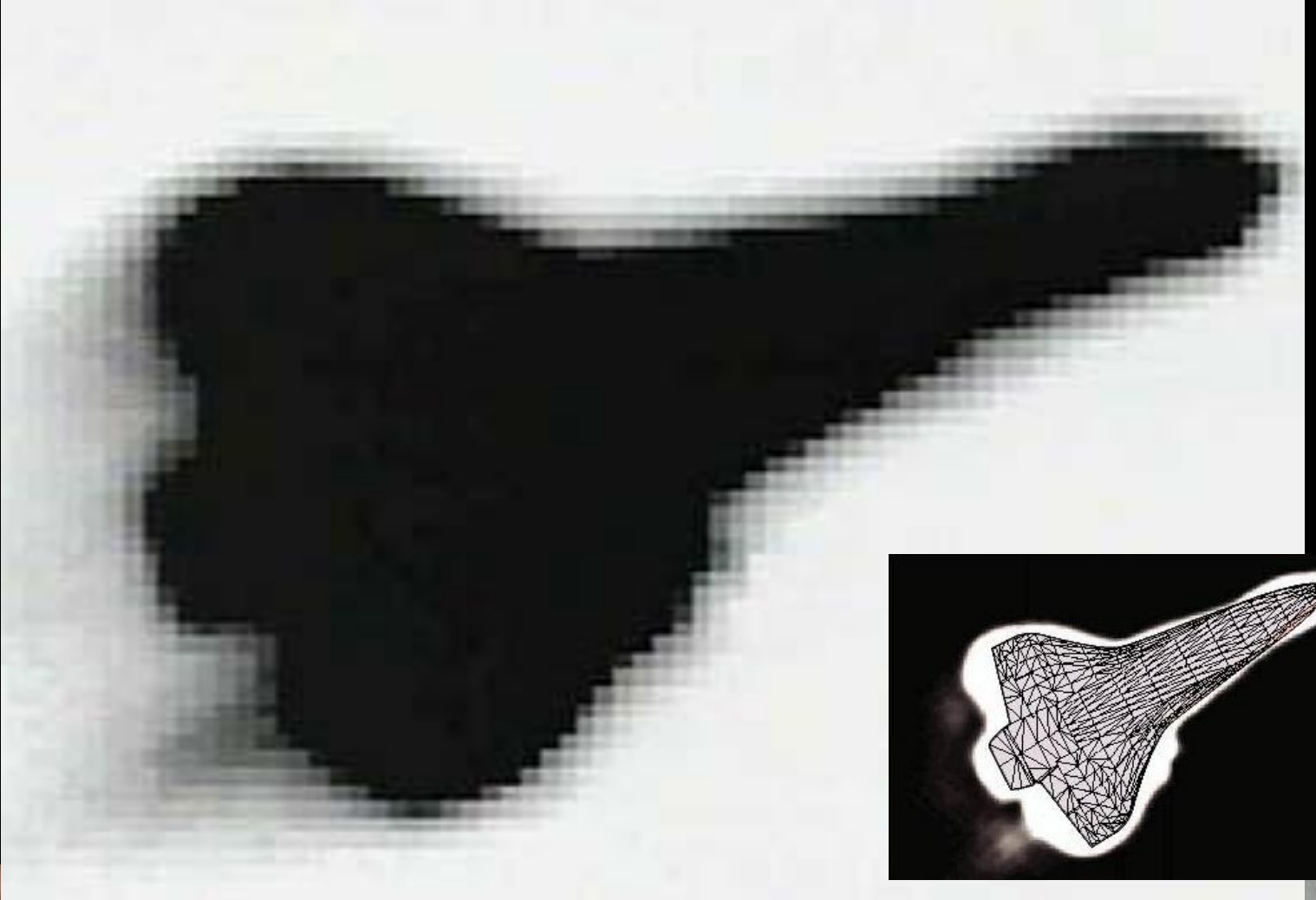


Two pieces of debris




Shower of particles
below (-Z) of LH wing
after debris struck
wing

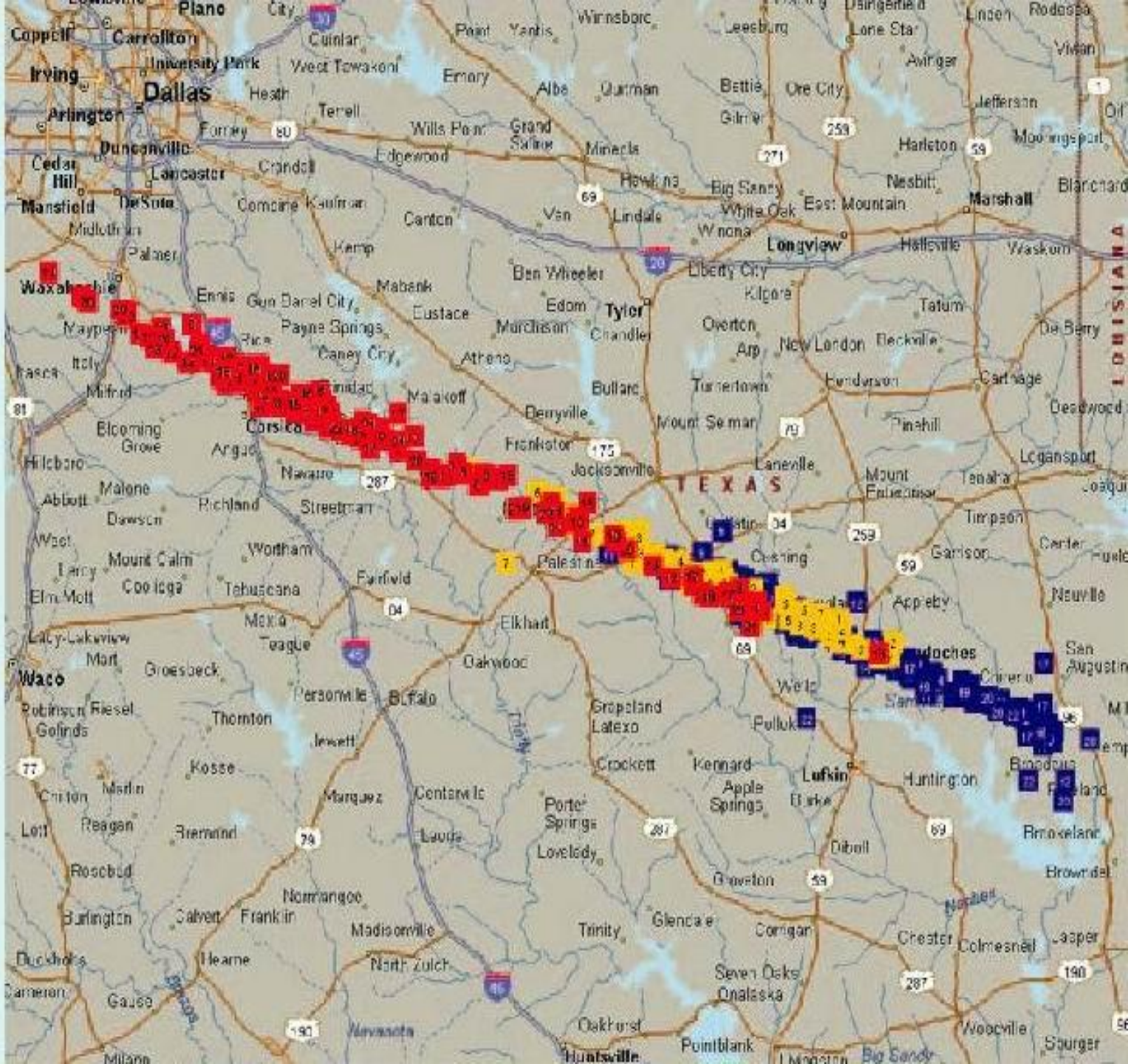




 **Left Wing RCC
Panels 8-22**

 **Left Wing RCC
Panels 1-7**

 **Right Wing RCC
Panels 1-22**





4070-391 032
-181 581 486

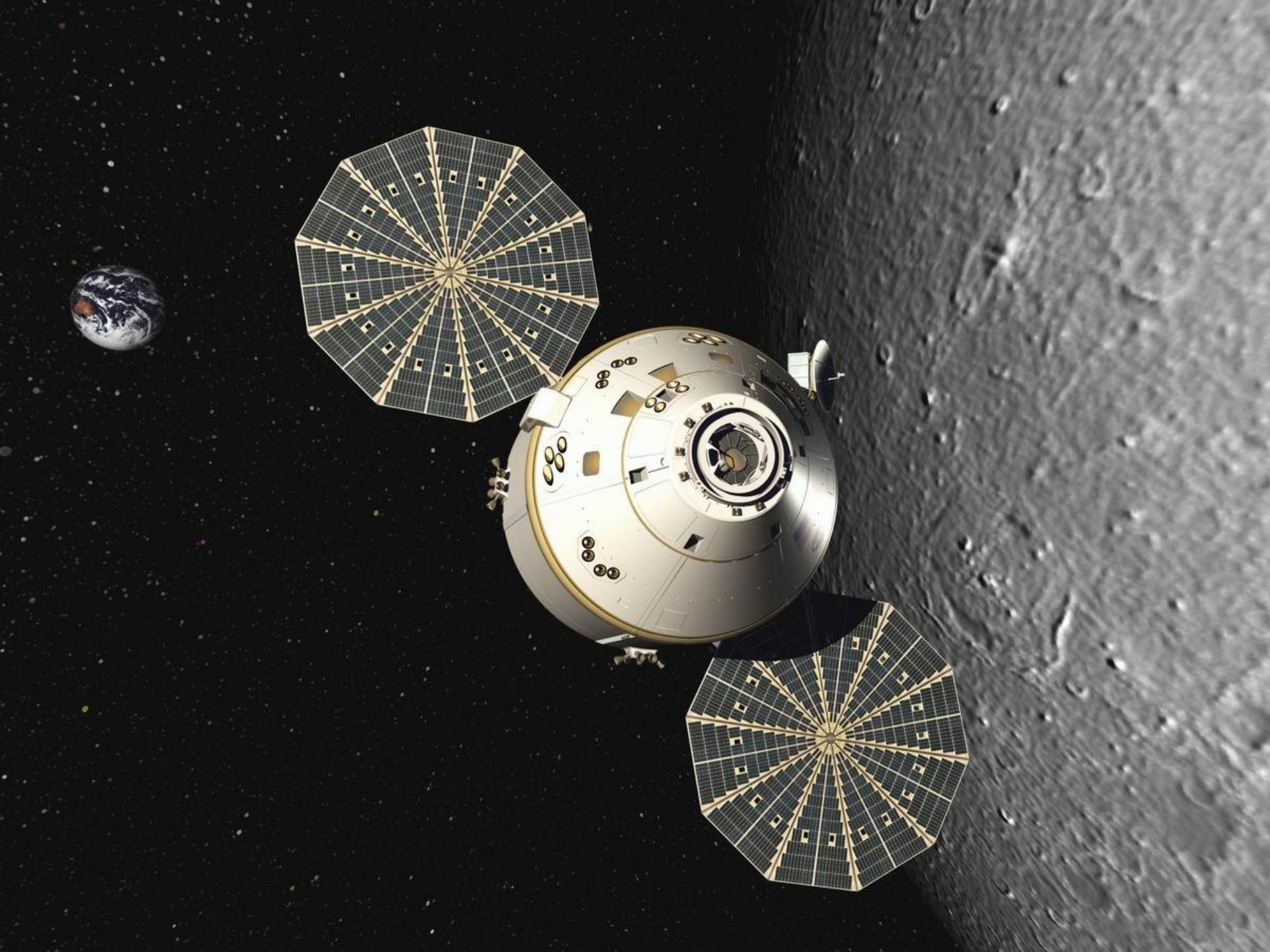
MP 62577
05171



Atlantis

2004

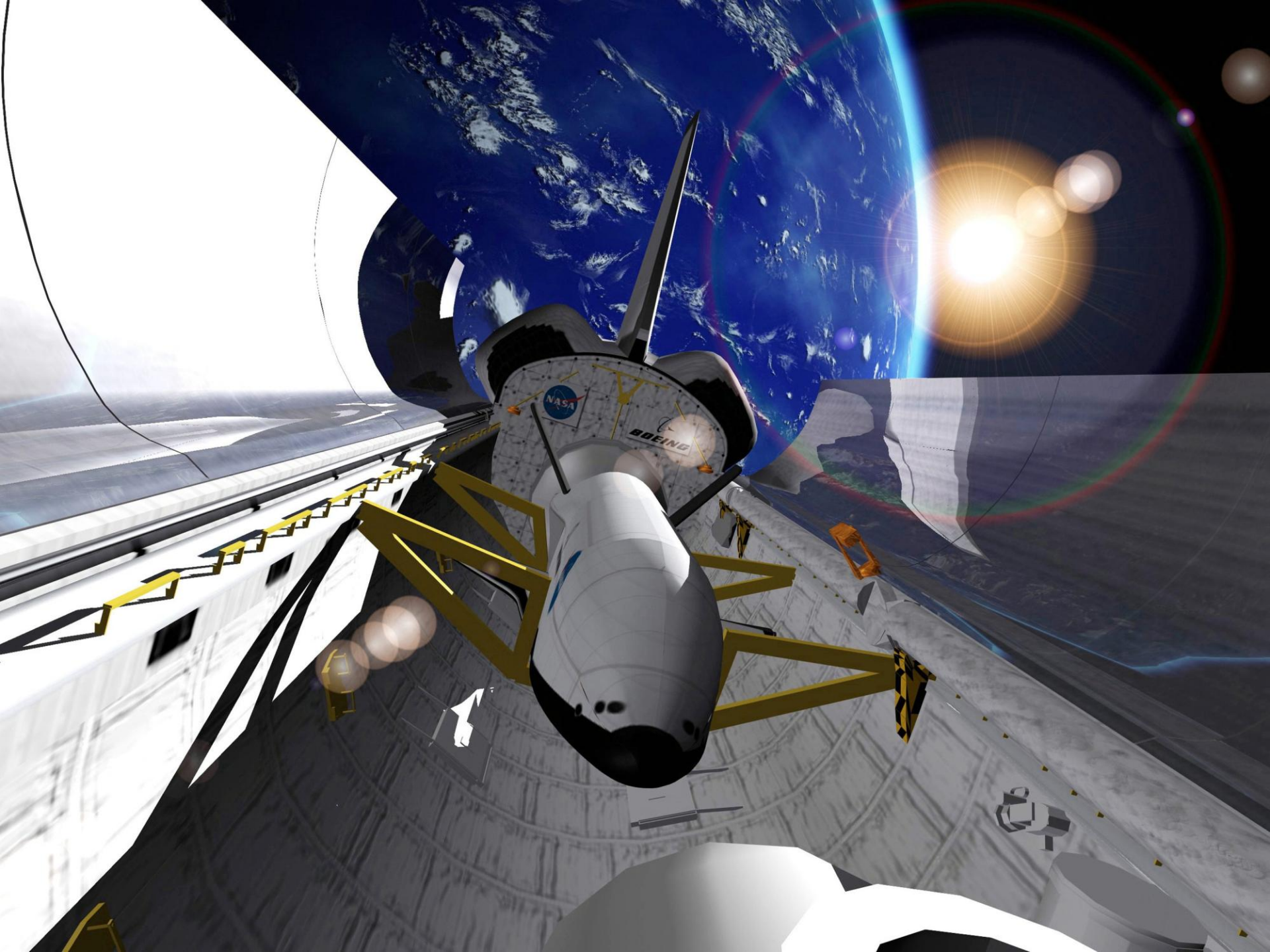




2009



2010







BOEING USAF

2010







2011





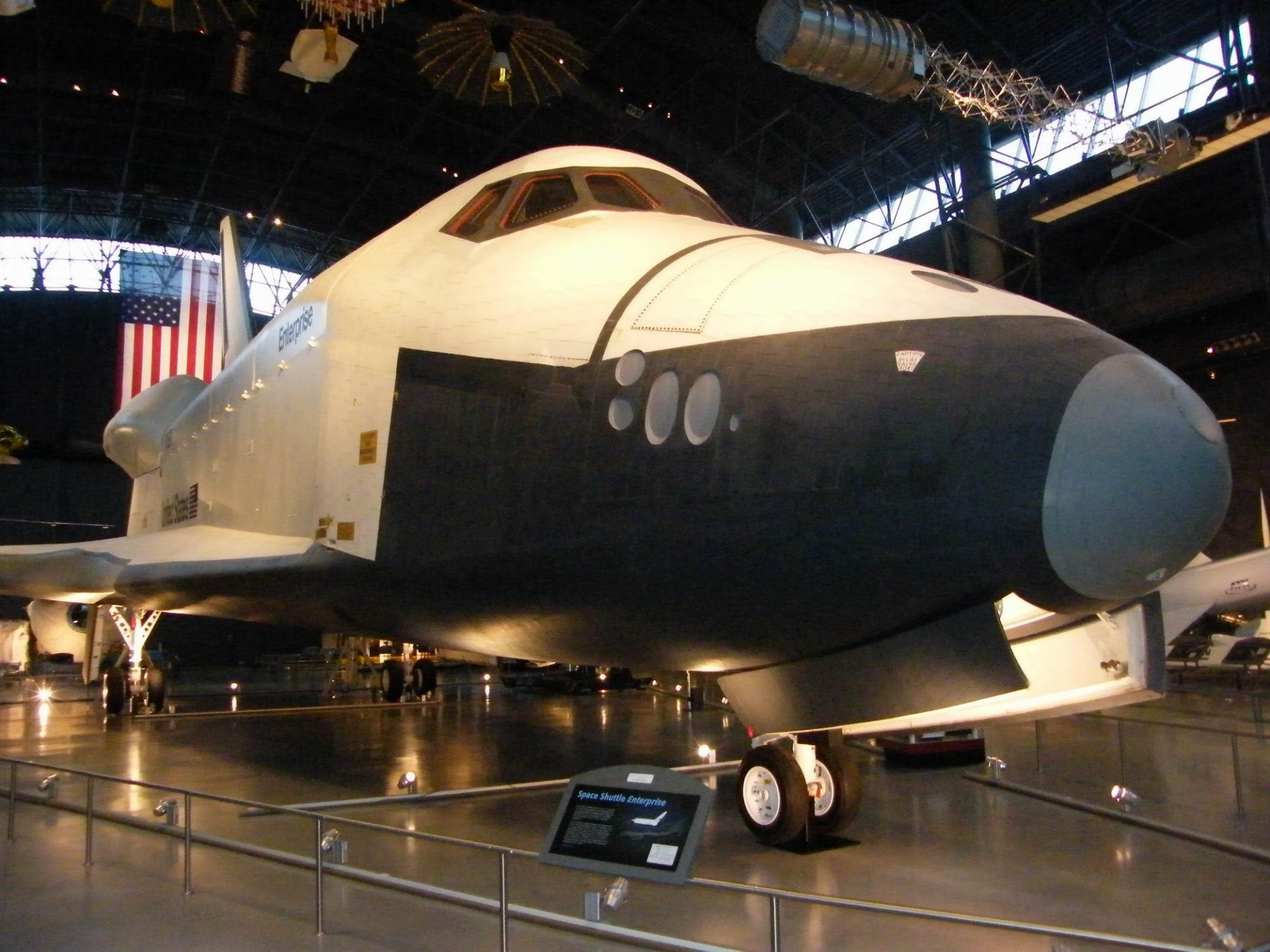


STAIRS
FINAL WHERE TO STOP





2012



Enterprise

Space Shuttle Enterprise



BAY CRANE

BAY CRANE

WELCOME NASA SHUTTLE

Enterprise

NASA

United States

INTREPID WELCOMES SPACE SHUTTLE ENTERPRISE

INTREPID

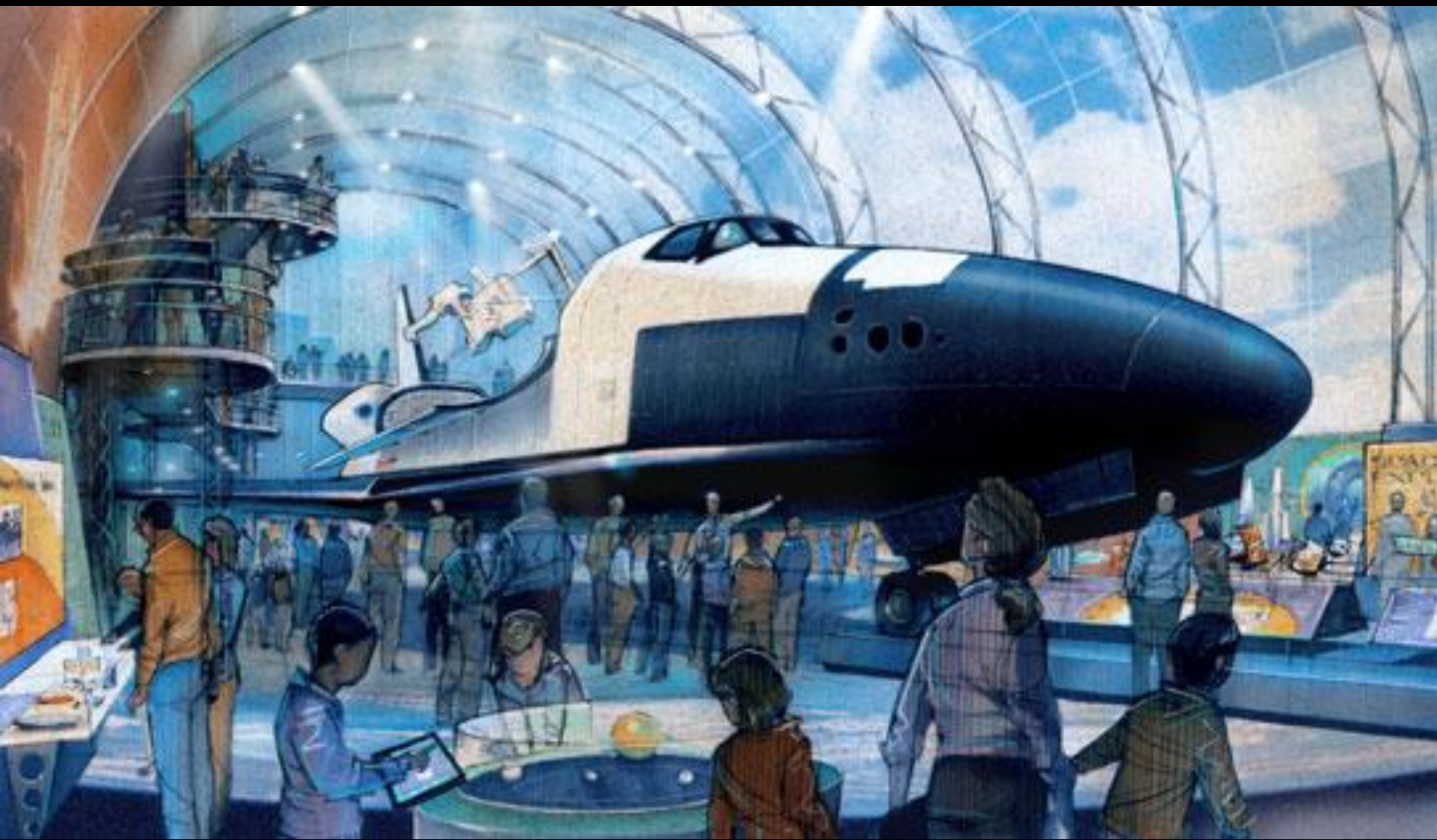


Enterprise

United States

LOW
SPACE







USA

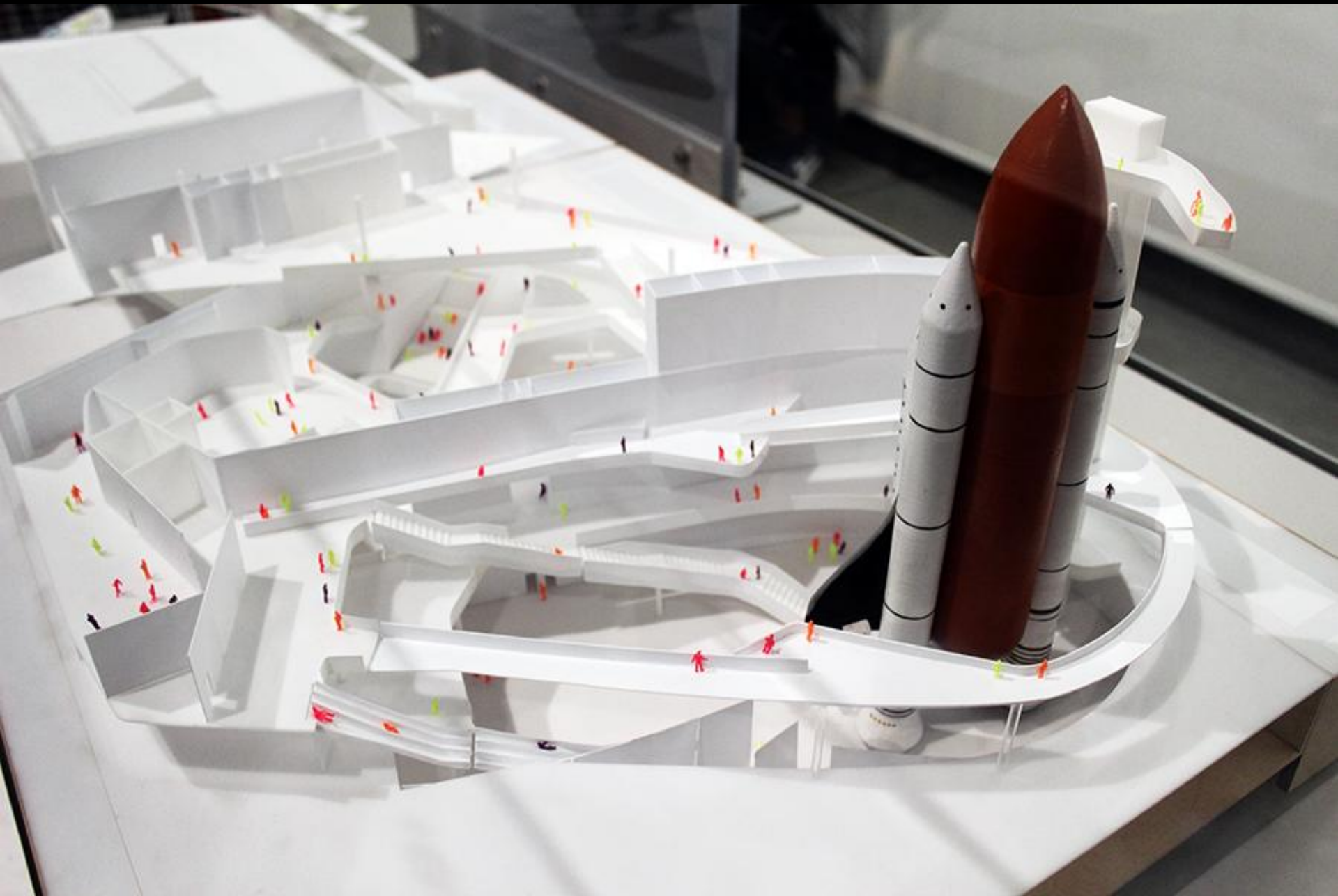
DISCOVERY













Atlantis

2016

Dragon Rider



CST-100



Dream Chaser

















2017



MUSELO TO BÝT?





2005/08/31













Dotazy?

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