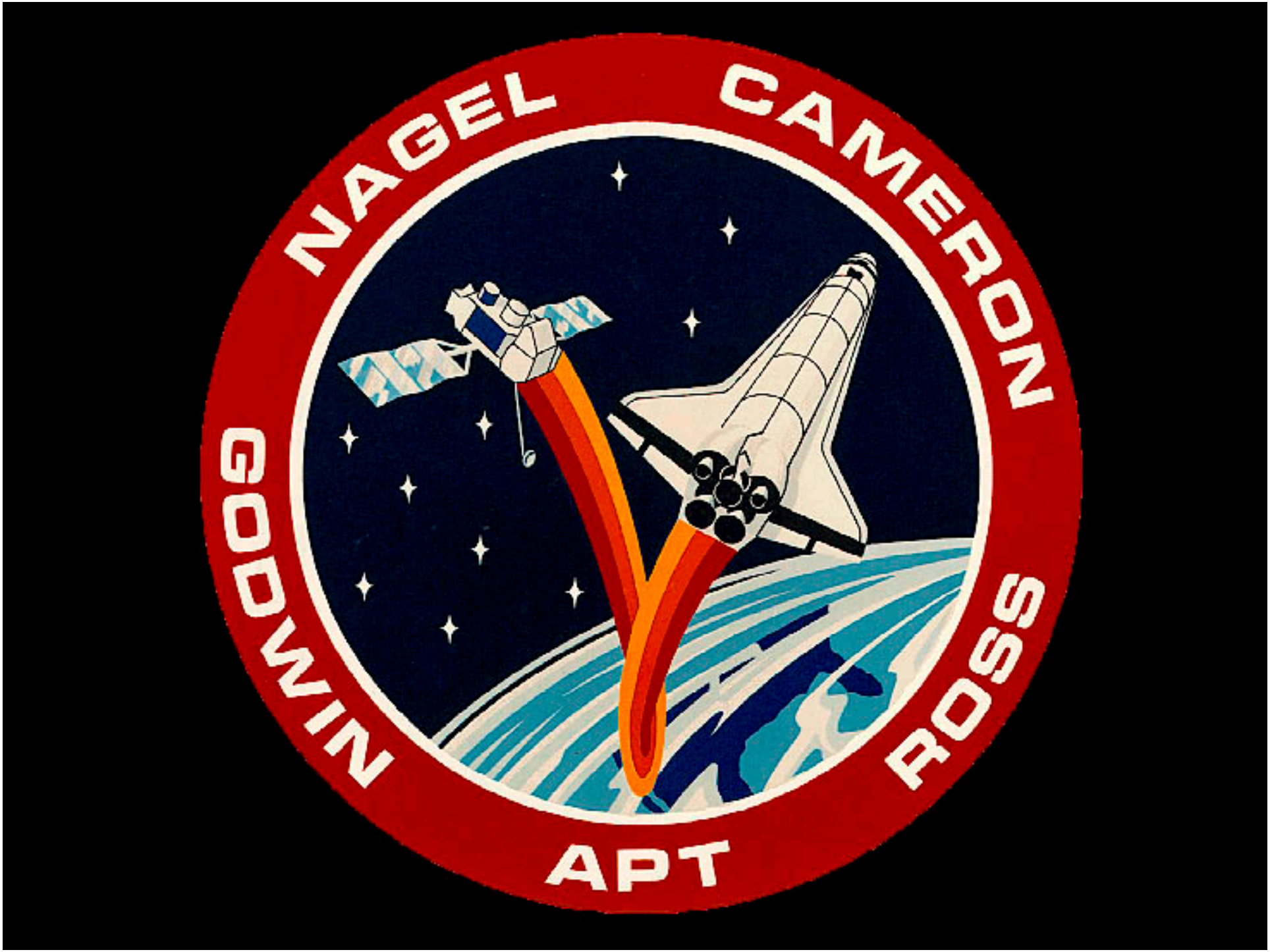
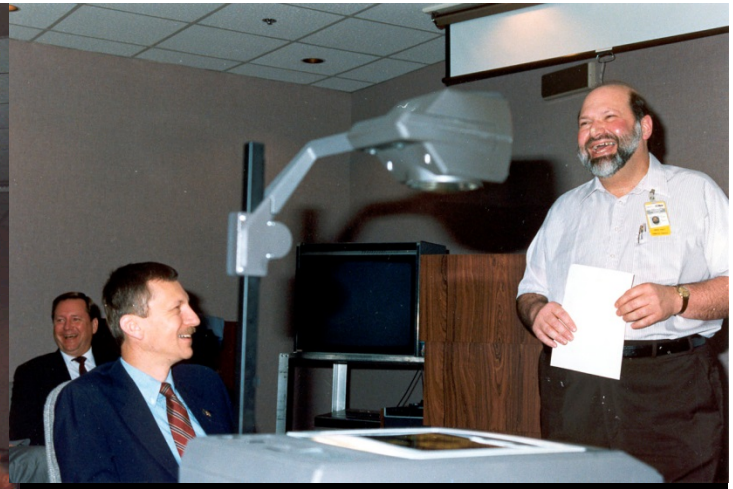
CGRO: An STS-37 Perspective

Jay Apt

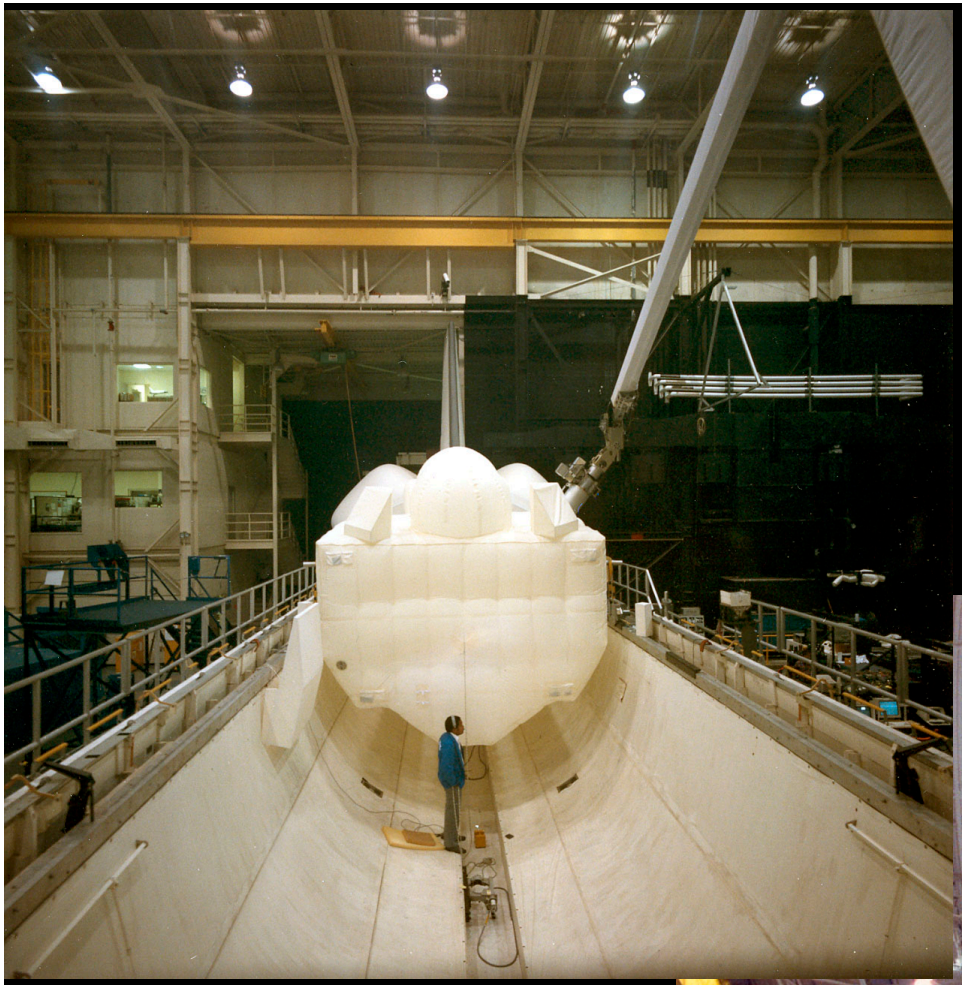

NAGEL
CAMERON
GODWIN
APT
ROSS

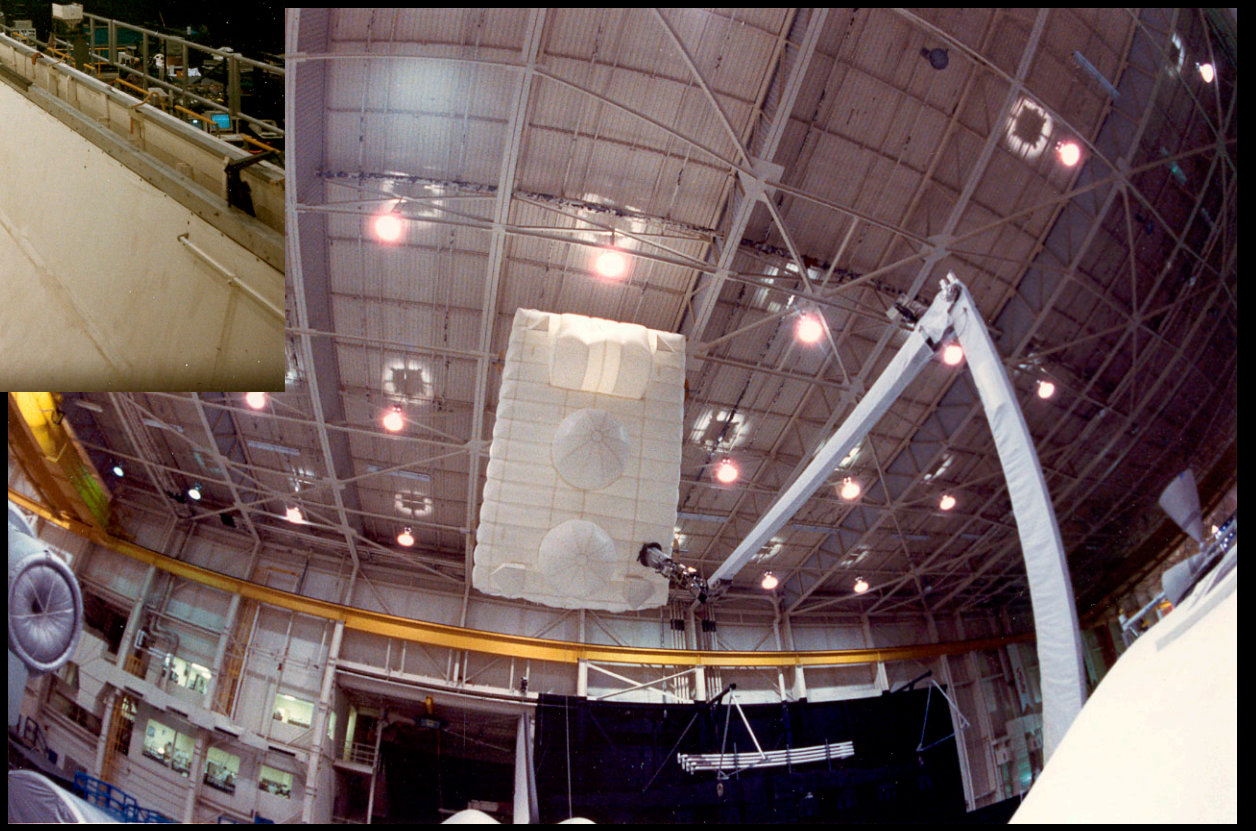

NAGEL
CAMERON
GODWIN
ROSS
APT
NASA
NASA
STS-37
Ken
STS-37
Steve
STS-37
Linda

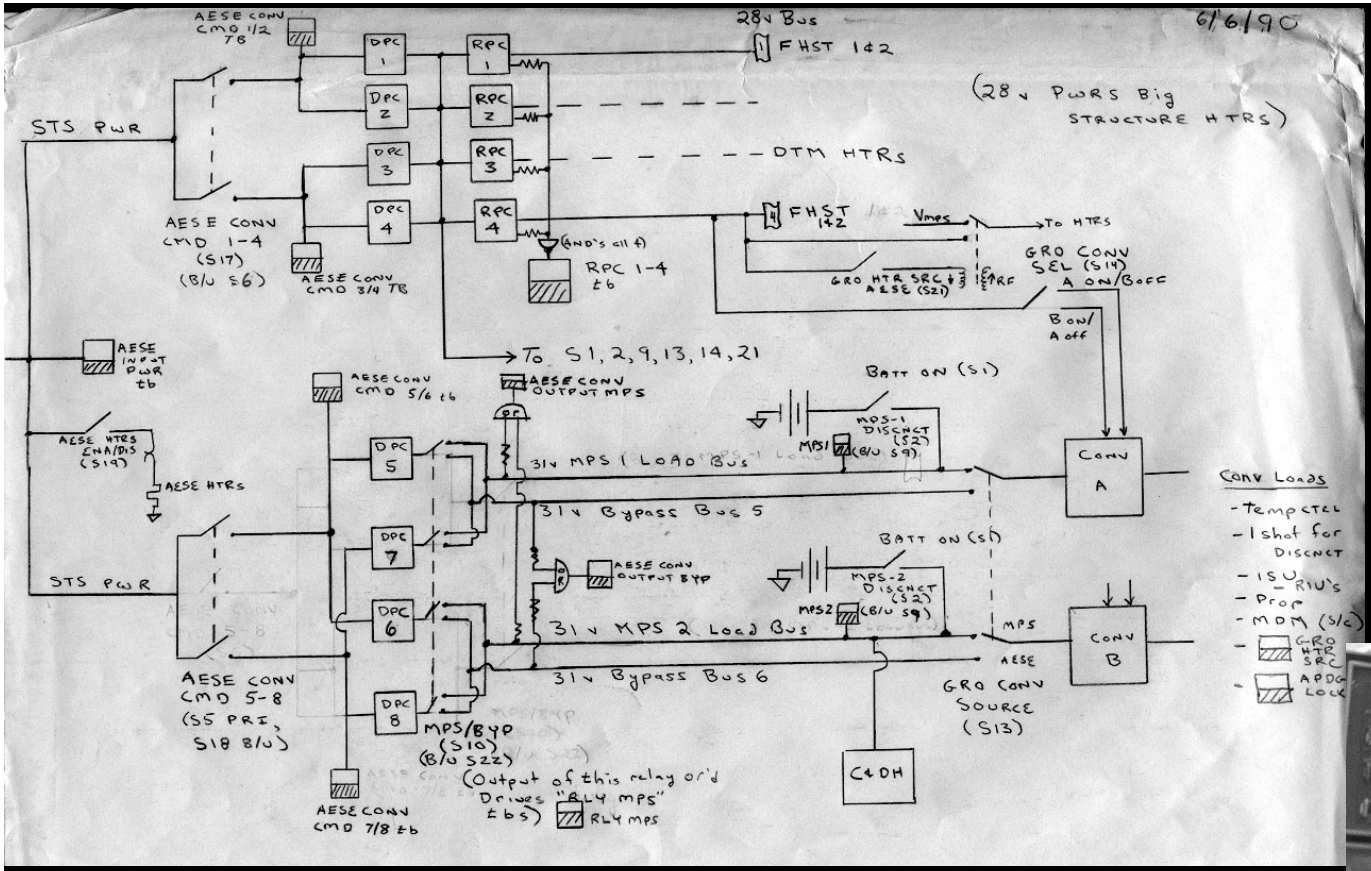

EXIT

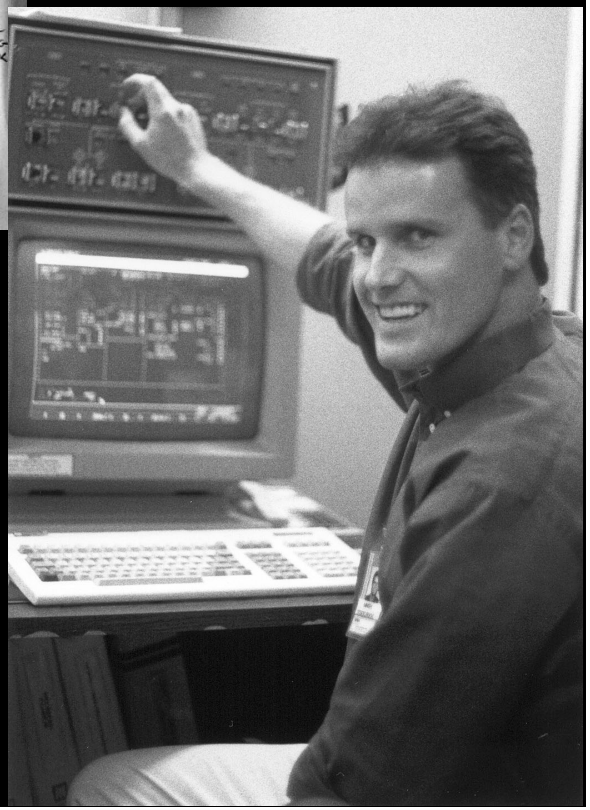



TRW
BFI
329-4115

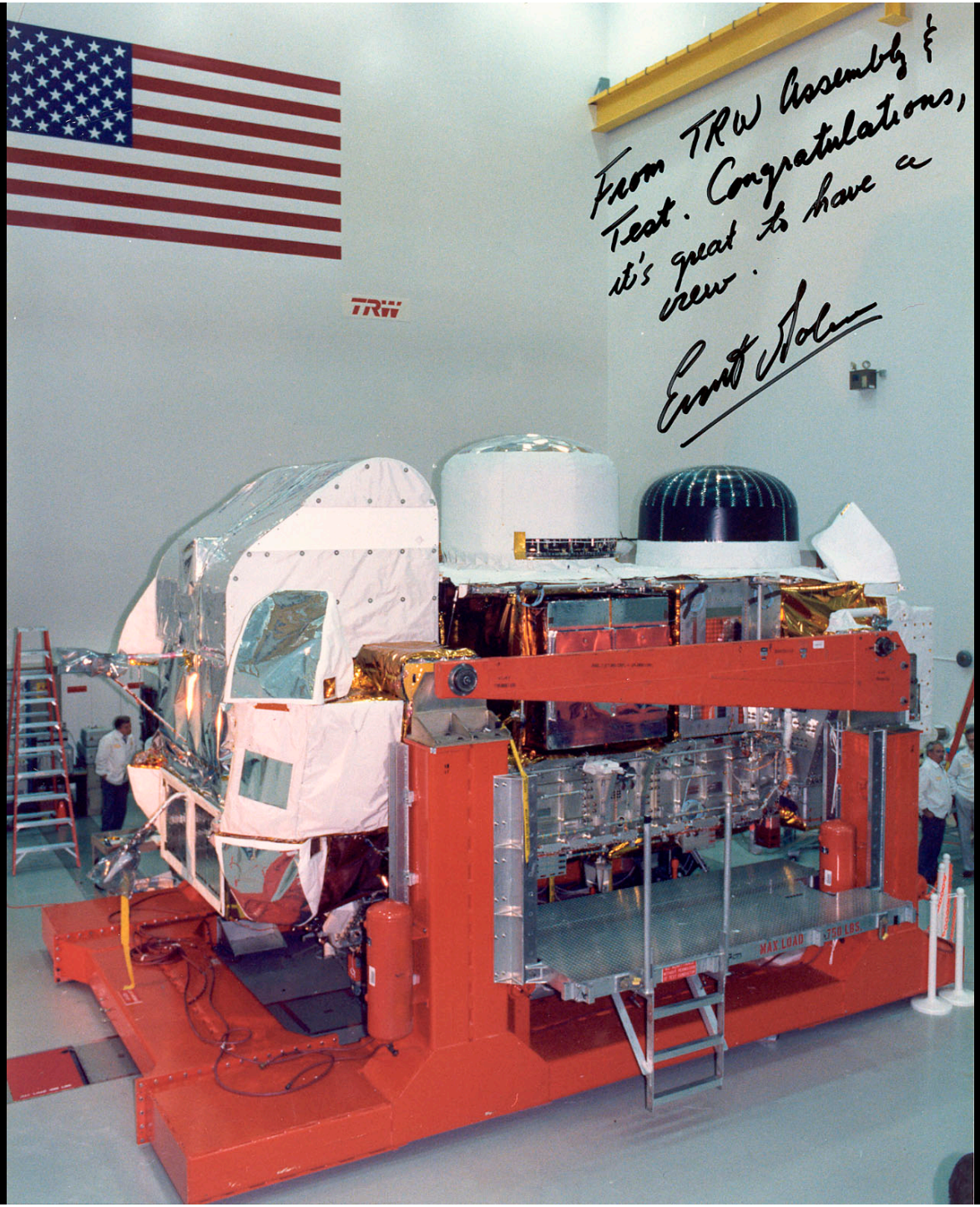


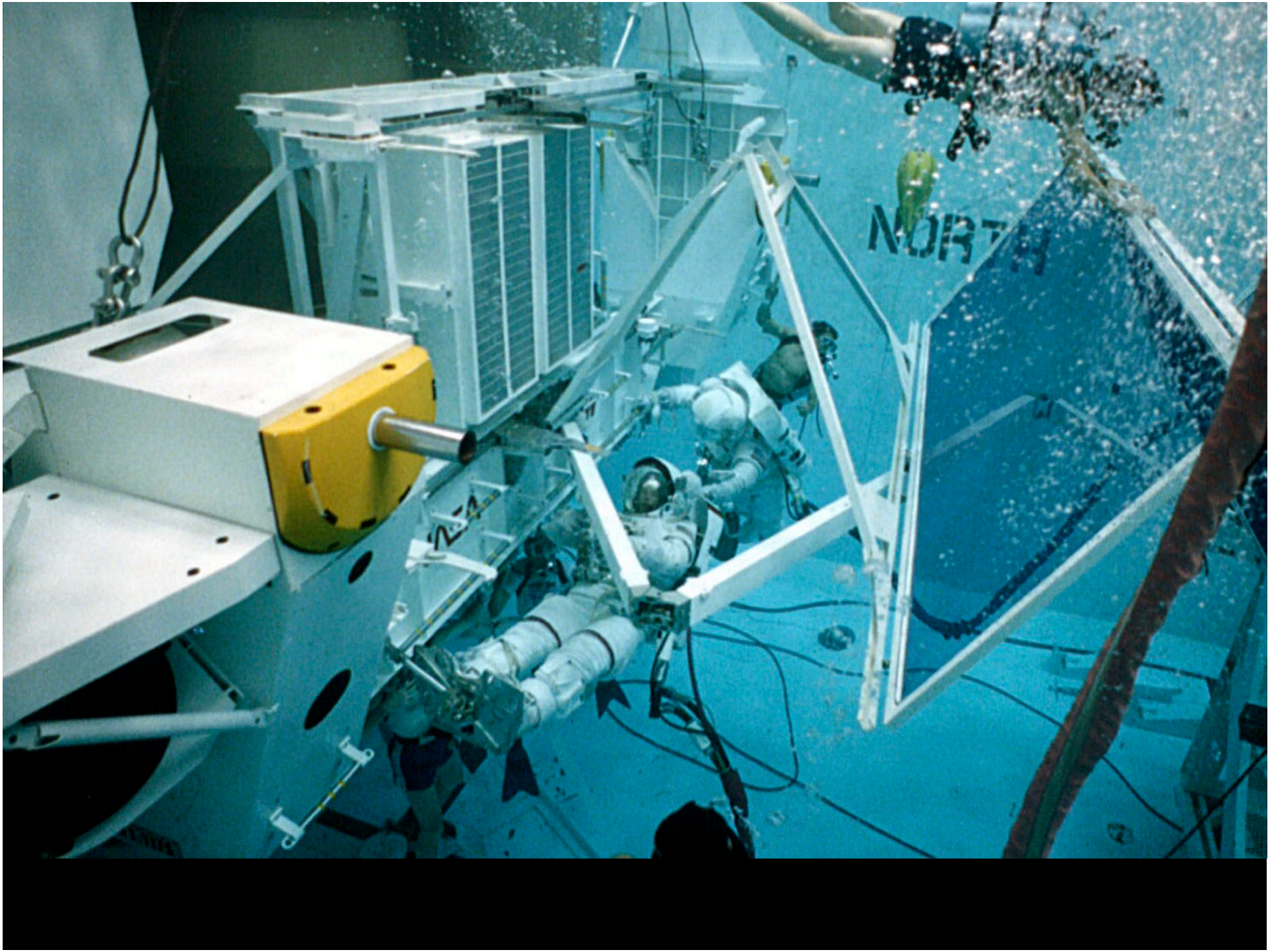



6/6/90
28v Bus
FHST 1&2
(28v PWRS Big STRUCTURE HTRS)
DTM HTRS
STS PWR
AESE CONV CMD 1-4 (S17) (B/U S6)
AESE CONV CMD 1/2 TB
AESE CONV CMD 3/4 TB
DPC 1
DPC 2
DPC 3
DPC 4
RPC 1
RPC 2
RPC 3
RPC 4
(GND's all 4)
RPC 1-4 tb
FHST 1&2
Vmps
To HTRS
GRO HTR SRC & AESE (S21)
GRO CONV SEL (S14) A ON/BOFF
B ON/ A off
To S1, 2, 9, 13, 14, 21
AESE input PWR tb
AESE CONV CMD 5/6 tb
AESE CONV OUTPUT MPS
BATT ON (S1)
MPS-1 DISCNCT (S2)
MPS1 (CB/U S9)
AESE HTRS ENA/DIS (S19)
AESE HTRS
31v MPS 1 LOAD Bus
31v Bypass Bus 5
DPC 5
DPC 7
DPC 6
DPC 8
CONV A
CONV B
Conv Loads
- Temp CTRL
- I shaf for DISCNCT
- ISU - RIU's
- Prop
- MDM (S16)
- GRO HTR SRC
- APDG Lock
BATT ON (S1)
AESE CONV OUTPUT BYP
MPS-2 DISCNCT (S2)
MPS2 (CB/U S9)
31v MPS 2 Load Bus
31v Bypass Bus 6
MPS
AESE
GRO CONV SOURCE (S13)
STS PWR
AESE CONV CMD 5-8 (S5 PRI, S18 B/U)
MPS/BYP (S10) (B/U S22)
(Output of this relay o'd Drives "RLY MPS" tbs)
RLY MPS
AESE CONV CMD 7/8 tb
C&DH




TRW
TRW


From TRW Assembly &
Test. Congratulations,
it's great to have a
crew.
Ernst Stuhlinger
TRW
MAX LOAD 3720 LBS


NORTH

National Aeronautics and
Space Administration

Lyndon B. Johnson Space Center
Houston, Texas
77058

NASA

Reply to Attn of AH4

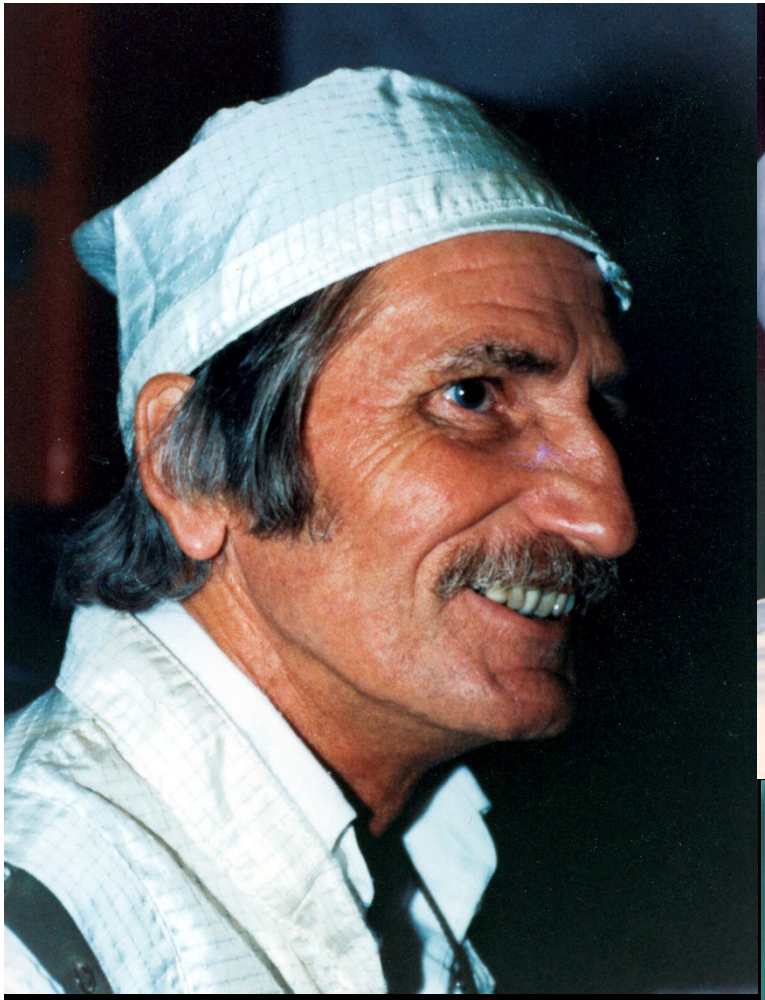
AUG 27 1990

TO: JSC Employees

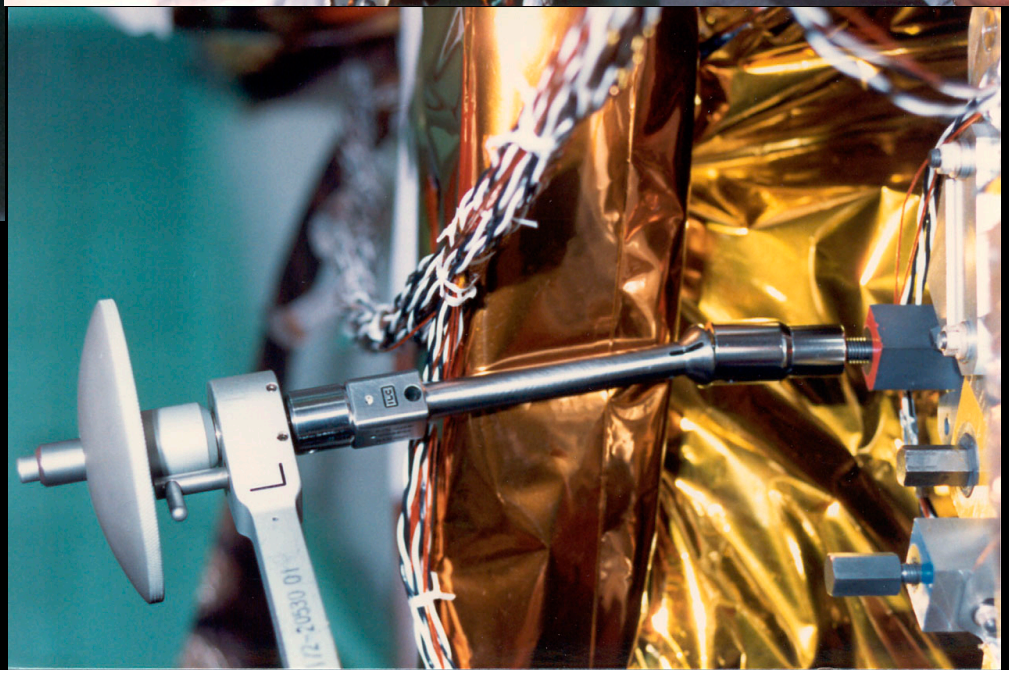
FROM: AH/Director of Human Resources

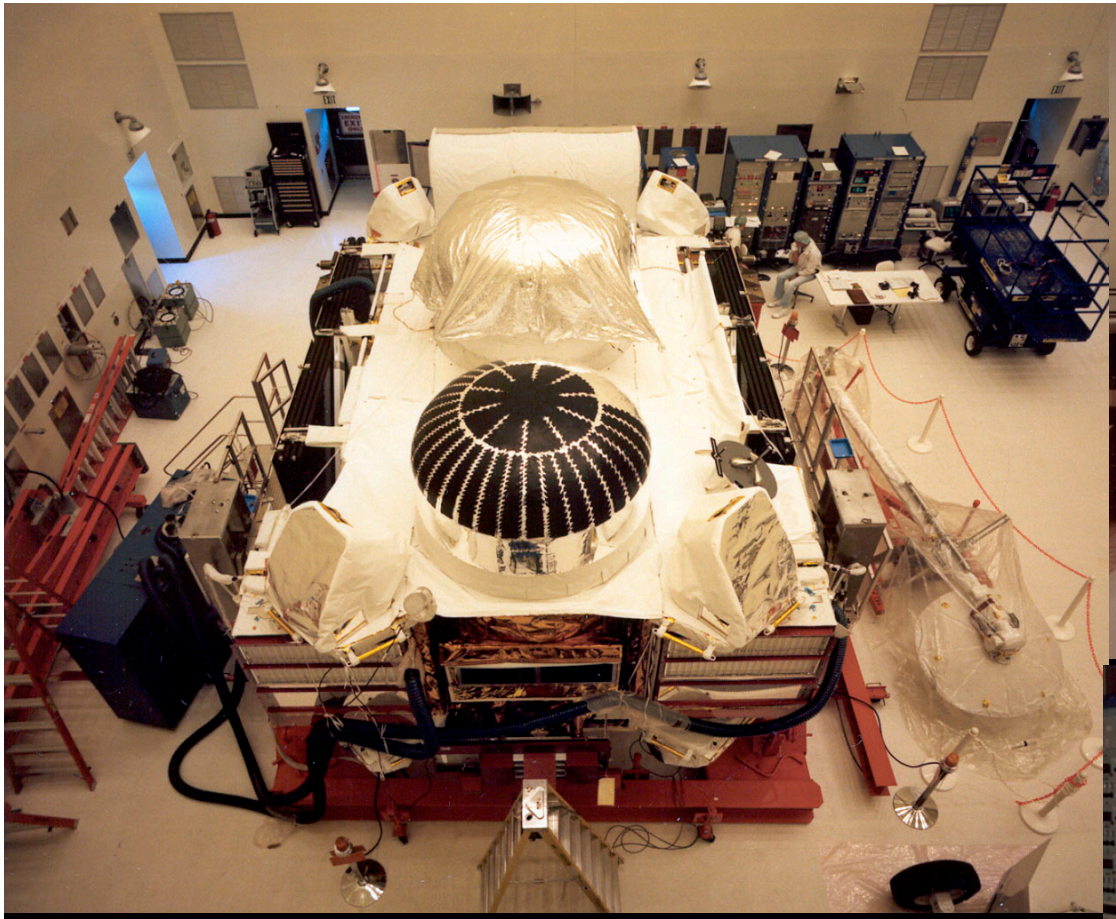
SUBJECT: Notice of Proposed Furlough

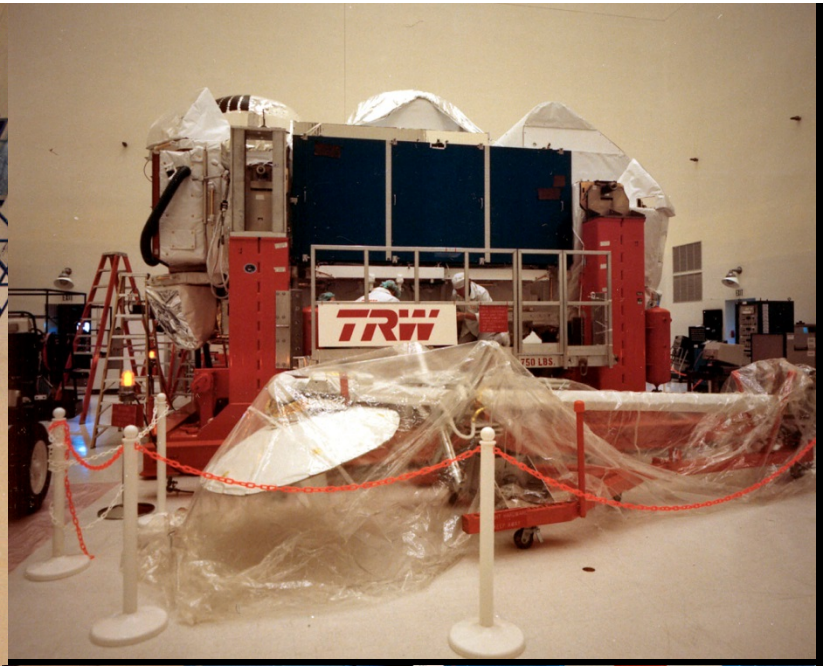
I regret to inform you that it may be necessary to furlough you beginning no earlier than October 1, 1990, because of funding reductions.

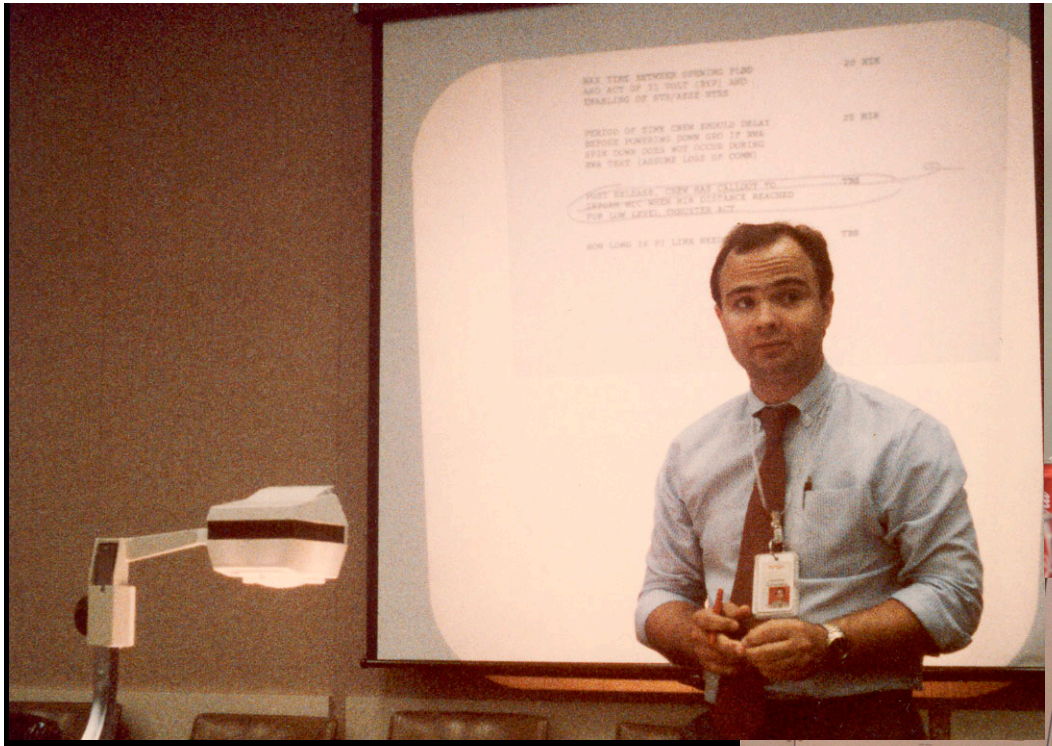



GRO
GRO





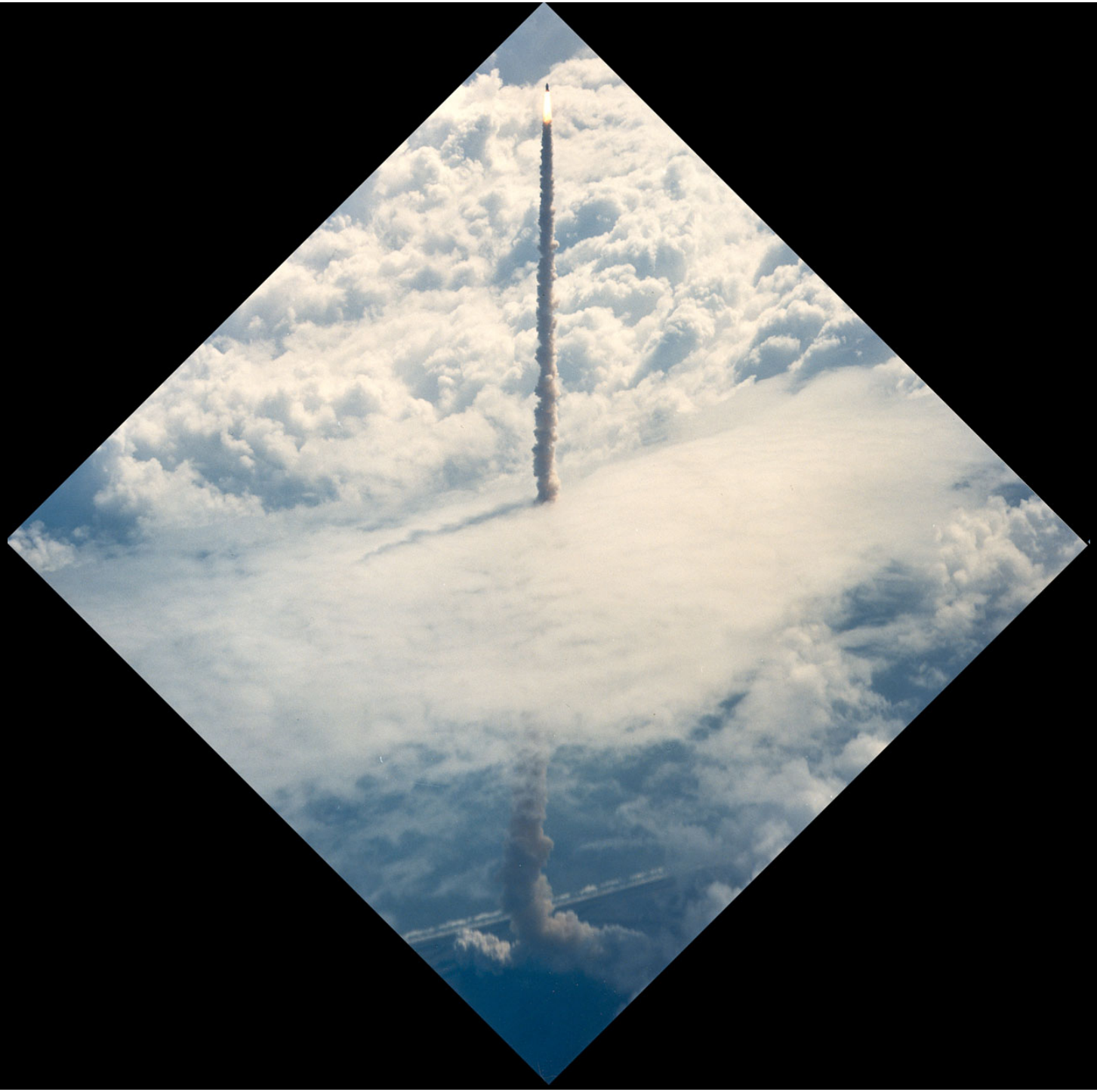

TRW

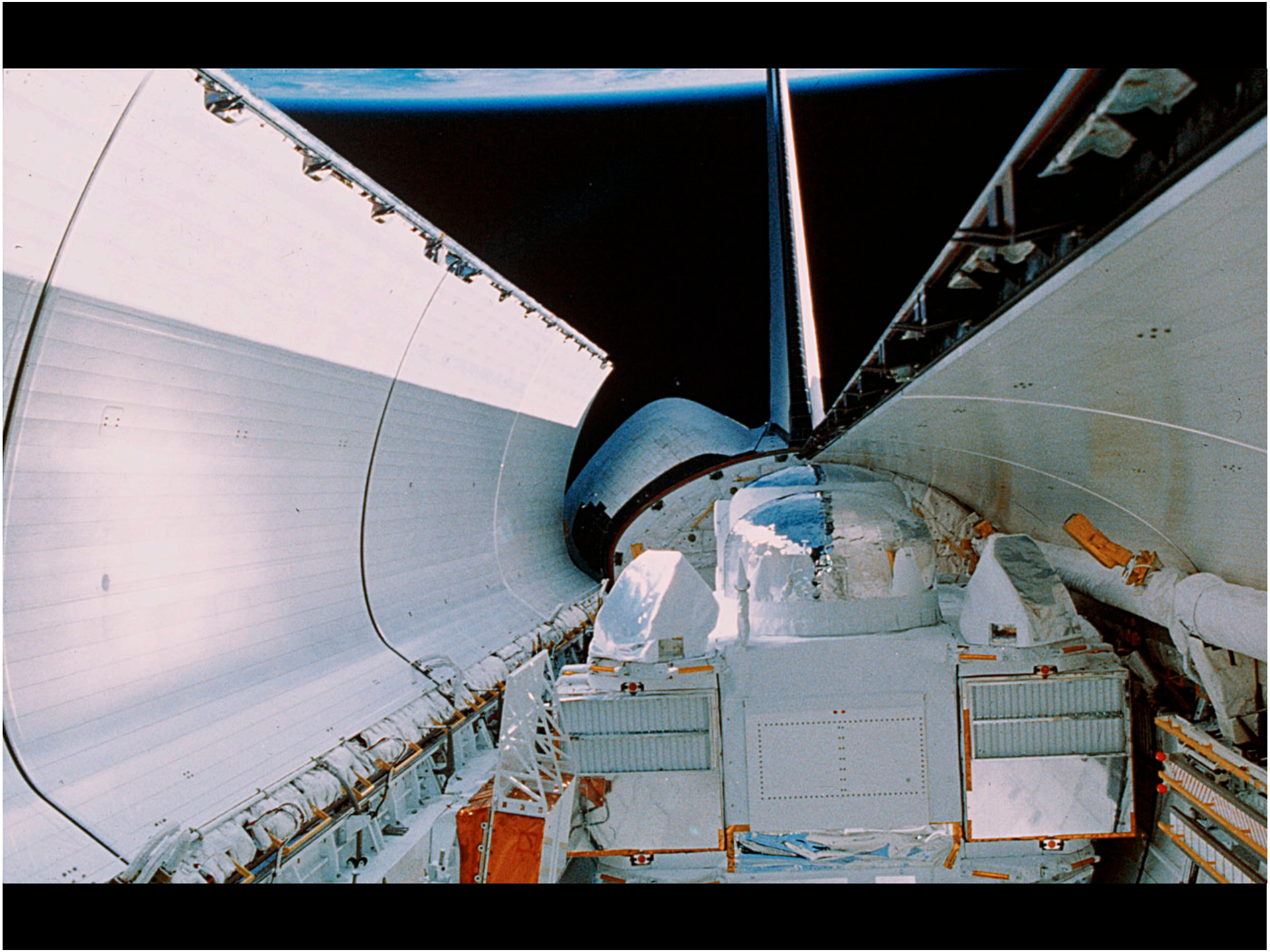



RESCUE


STEVE NAGEL
KEN CAMERON
NASA

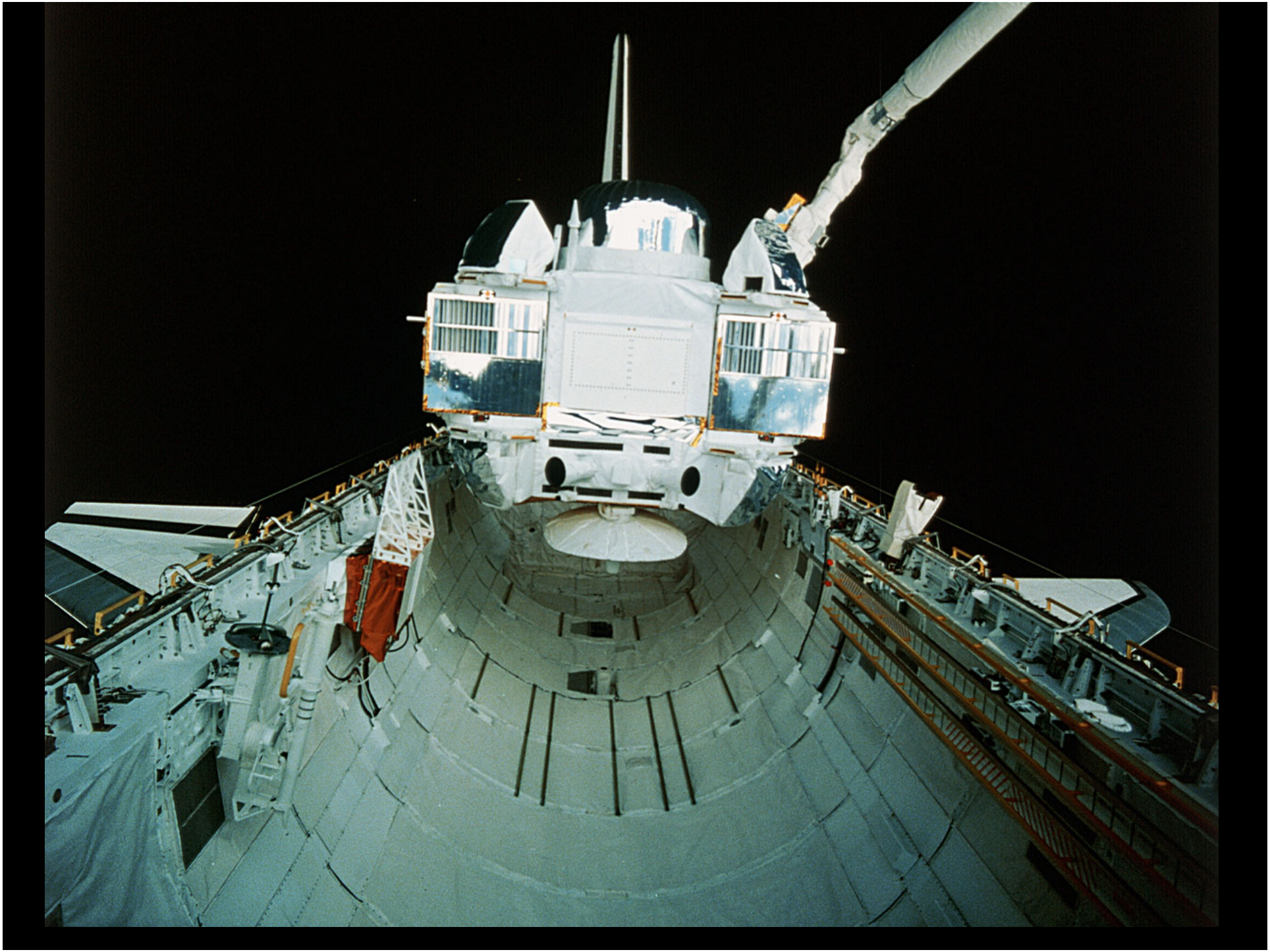

USA
NASA
Atlantis

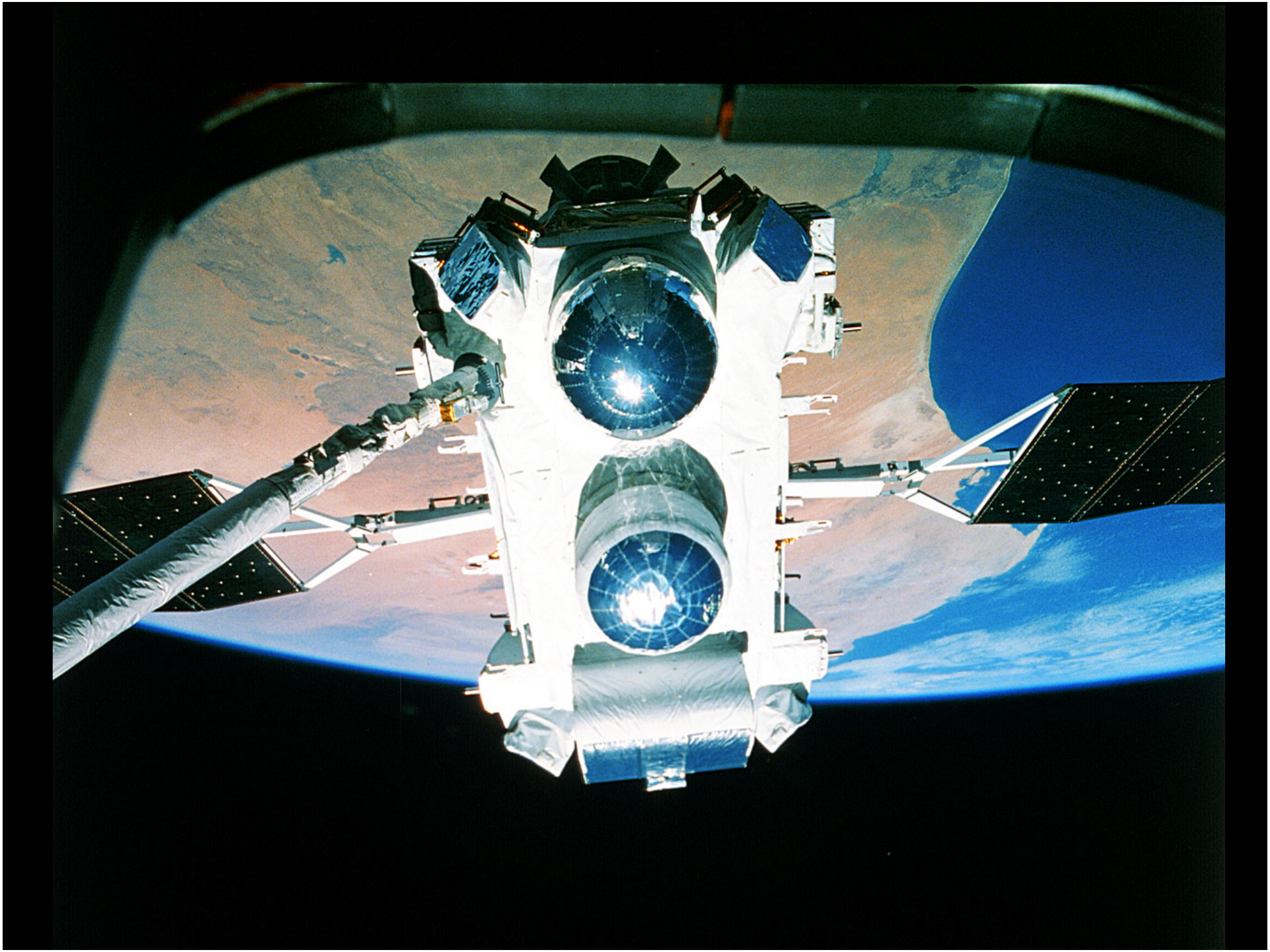




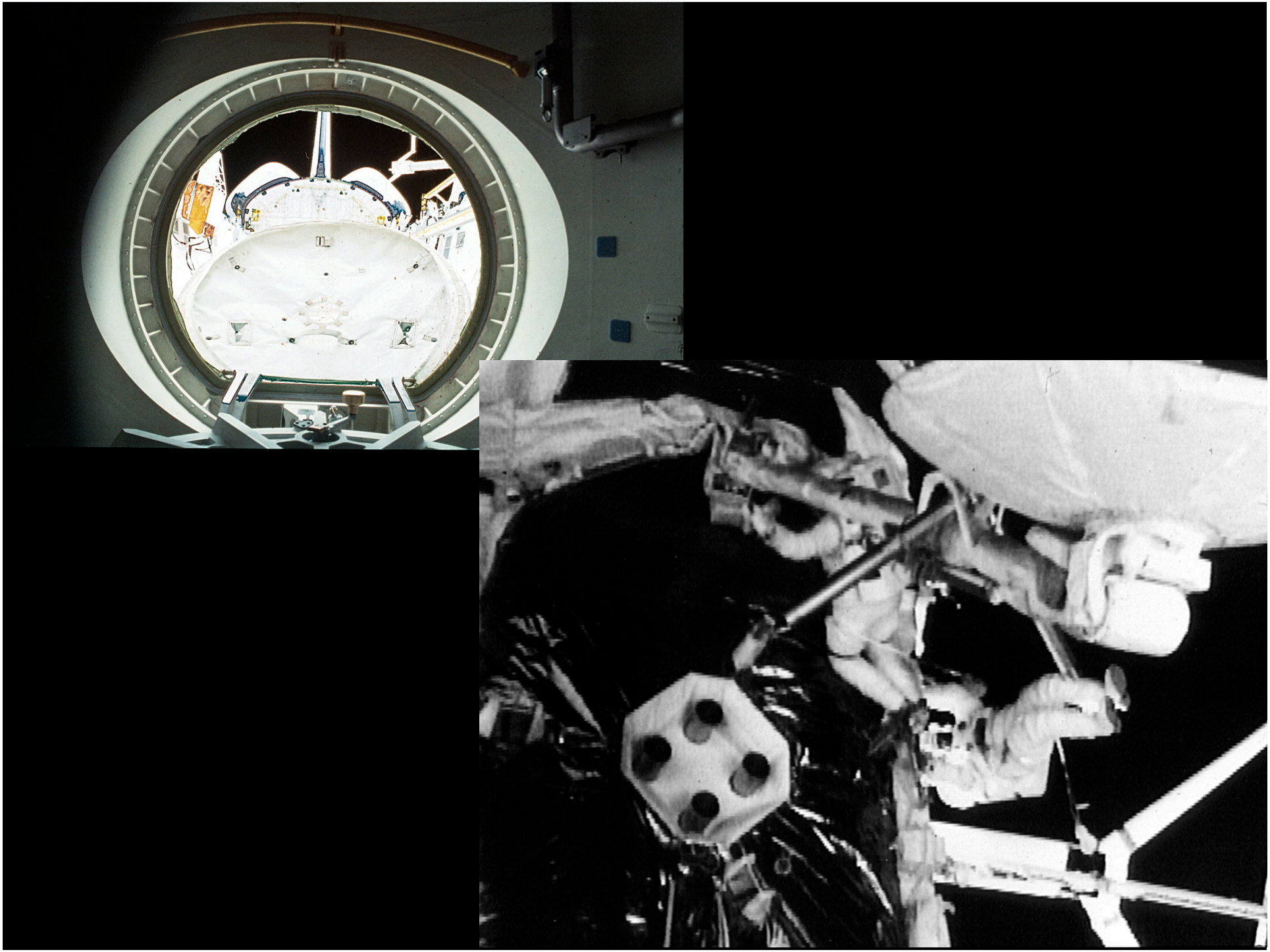

Canada


Jerry
STS-37
Atlantis
MF57H

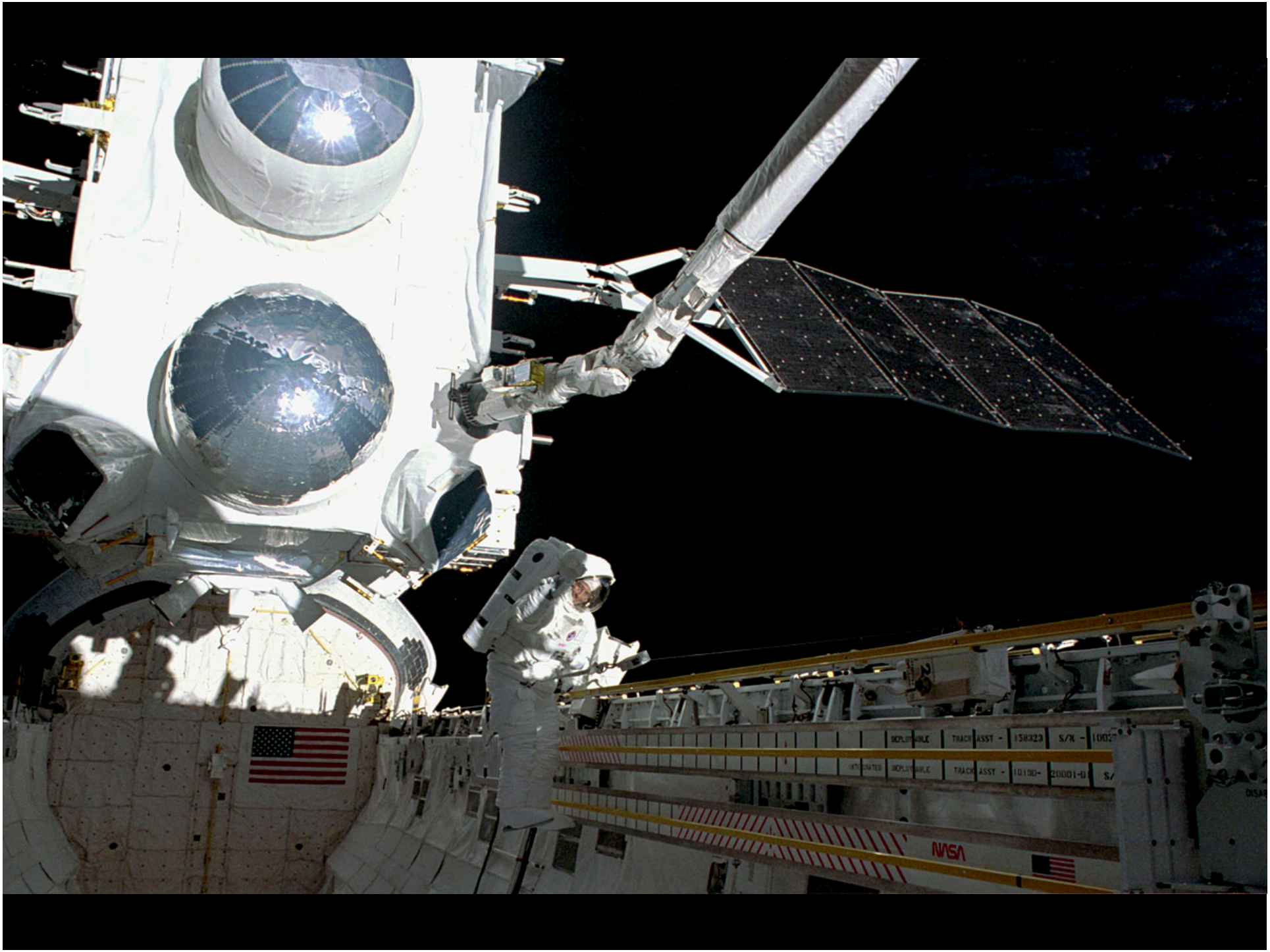


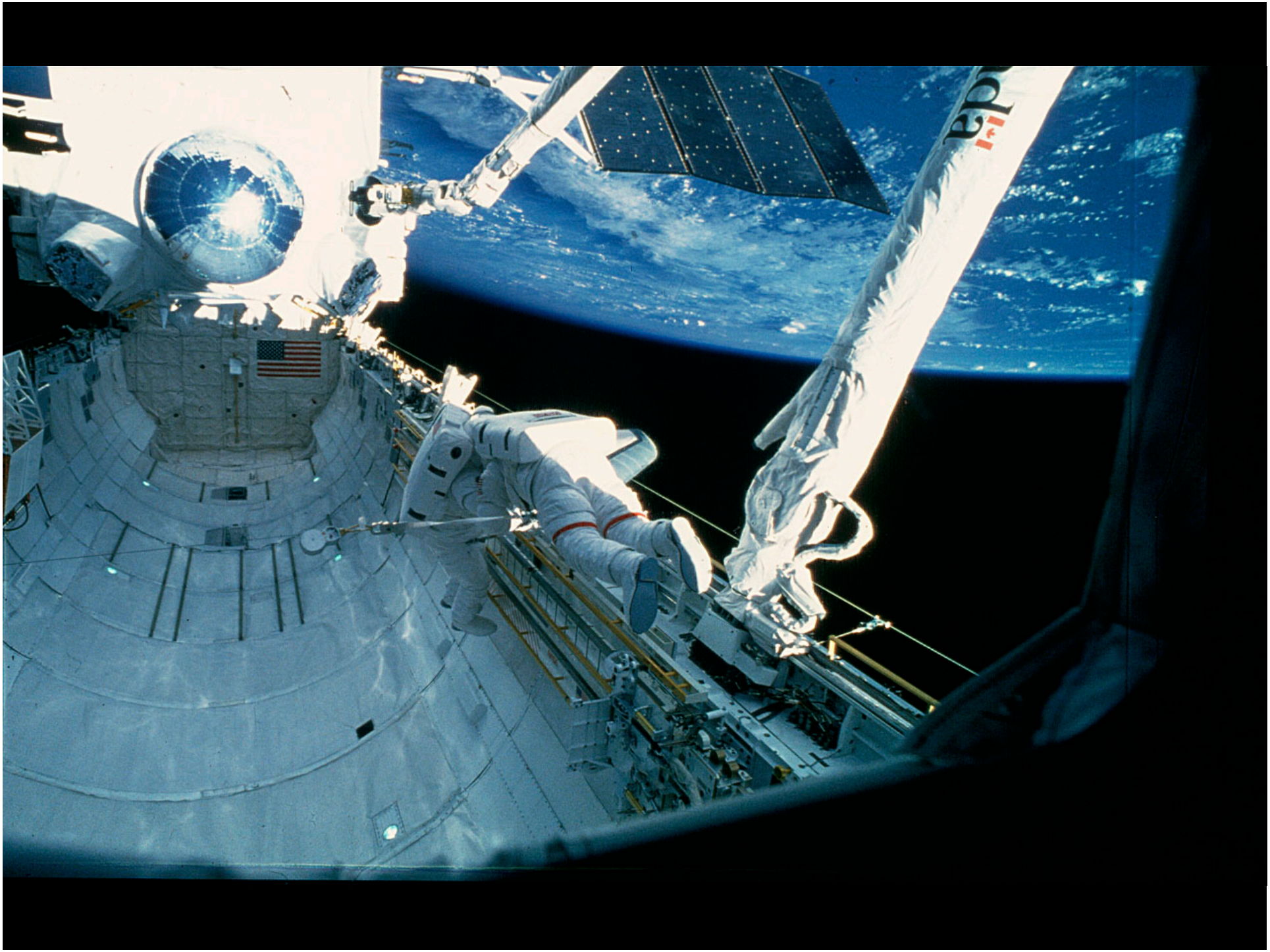


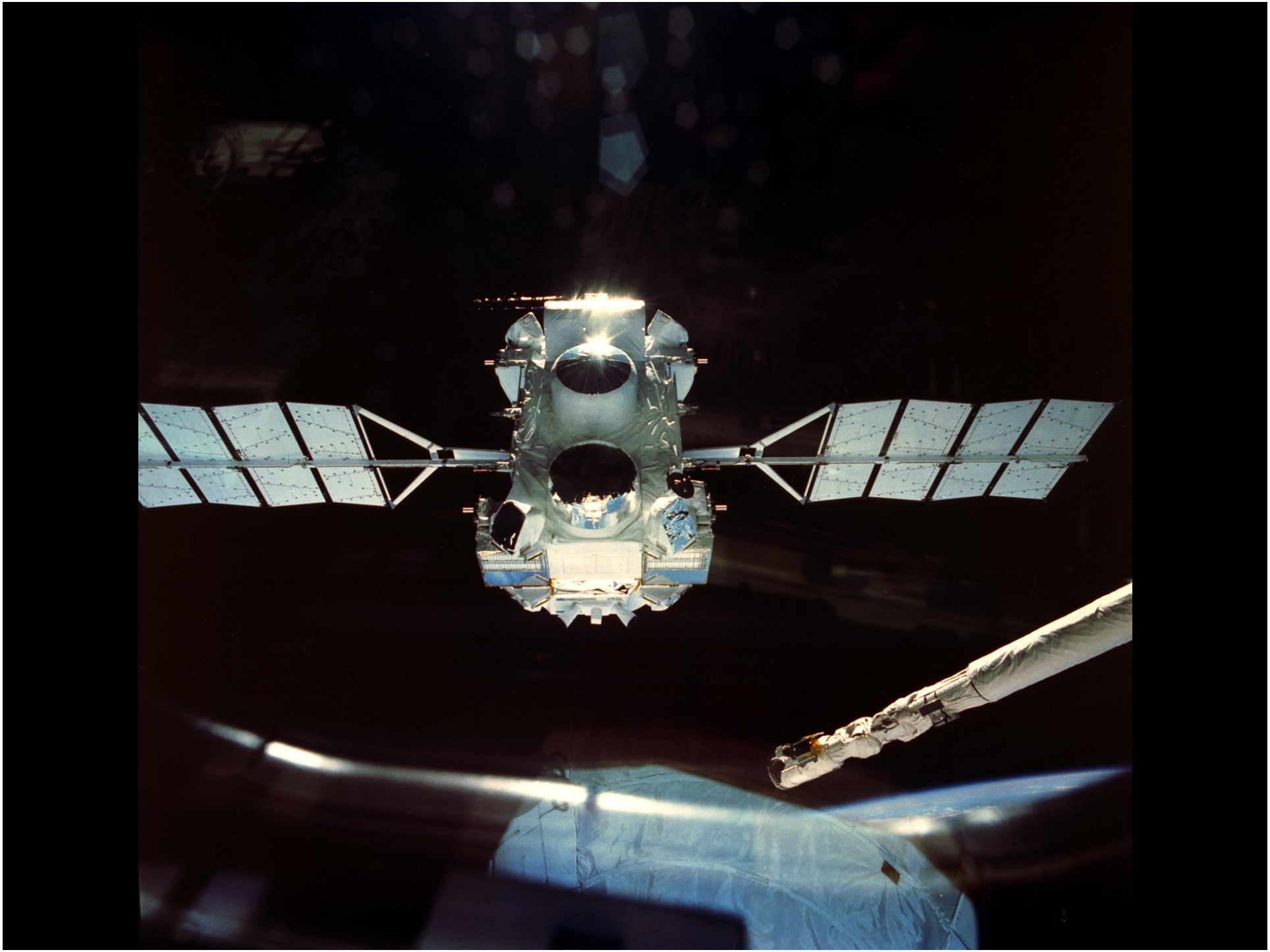

THERMAL MITTENS
THERMAL MITTENS
NASA



NASA


NASA





Gamma Ray Observatory

A Big Spacecraft for Big Science

This fall will see the launch of the second NASA Great Observatory for Space Astrophysics, the TRW-built Gamma Ray Observatory (GRO).

Planned to orbit 279 miles above earth, the 35,000-pound GRO is the heaviest NASA payload yet deployed by shuttle.

With a solar panel span of 70 feet, GRO provides both the power and size needed to accommodate four large experiments that will capture gamma rays from the distant parts of the universe.

GRO will explore the most energetic part of the electromagnetic spectrum across a much greater wavelength range than its predecessors. Scientists will gain knowledge about the creation and the future of the universe.

GRO: focusing on the formation and the fate of the universe.

TRW

TRW Space & Technology Group