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Smithsonian National Air and Space Museum Archives

Sally K. Ride Papers - KidSat General Description Material

Extracted on Nov-29-2021 04:30:32

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KidSat Instrument

Flight 1 (Mar '96)

[[illustration]]
Cargo-bay camera
Dedicated CTVC
Color CCD Video Camera
(Ku or S-Band Downlink)

CCTV

Digital Camera Command & Data Computer
(IBM 486 Thinkpad Computer-Model 755)
w/ expansion chassis (not shown)

[[image]]
2k x 3k color CCD
6 MBytes/raw frame

[[image]]
Camera and bracket mounted to Flight overhead window.
Electronic Still Camera-2
(Modified Kodak DCS-460)

Camera Lenses
50 mm
105 mm
180 mm
300 mm
400 mm
Filters
TBD

SCSI
(2MBytes/s)

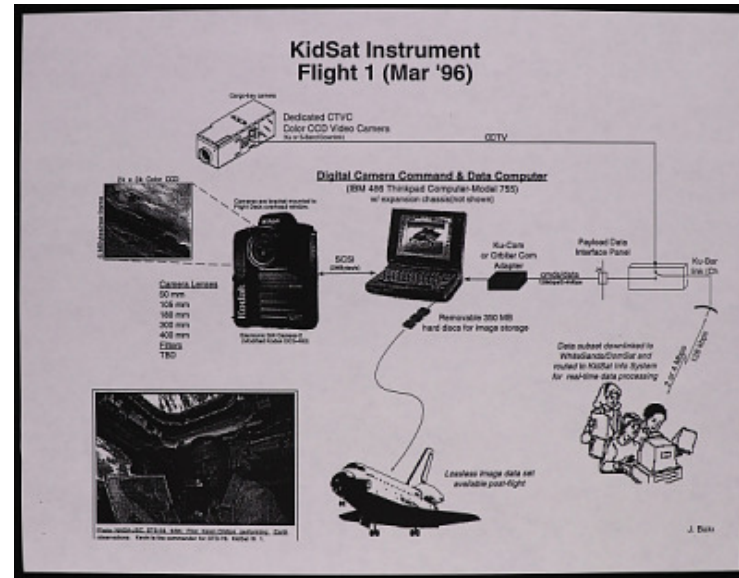
[[image]]
Ku-Com or Orbiter Com Adapter
cmds/data
128kbps/2-4Mbps

Payload Data
Interface Panel
J4

Ku-Bar link (Ch

2 or 4 Mbps
128 kbps

Data subset downlinked to WhiteSands/DomSat and routed to KidSat
Info System for real-time data processing
[[illustration]]



Removable 350 MB hard discs for image storage
[[illustration]]
Lossless image data set available post-flight

[[image]]
Photo: NASA-JSC, STS-59. 4/94: Pilot Kevin Clifton performing Earth observations. Kevin in the commander for STS-76. KidsSat fit 1.

J.Bake

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