

## Sally K. Ride Papers - KidSat General Description Material

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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)

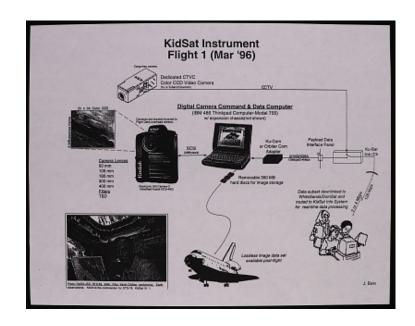
[[image]] Ku-Com or Orbiter Com Adapter cmds/data 128kbps/2-4Mbps

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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