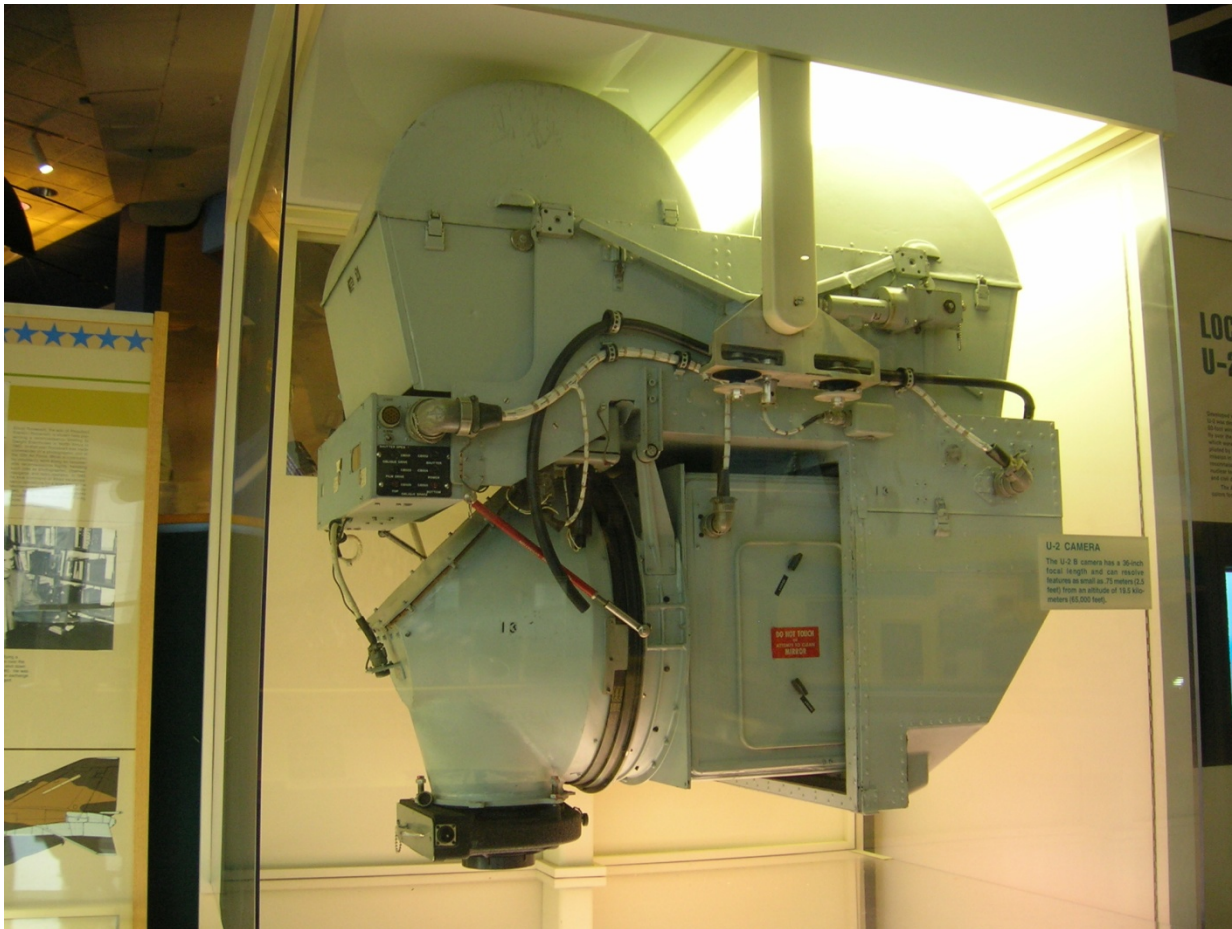


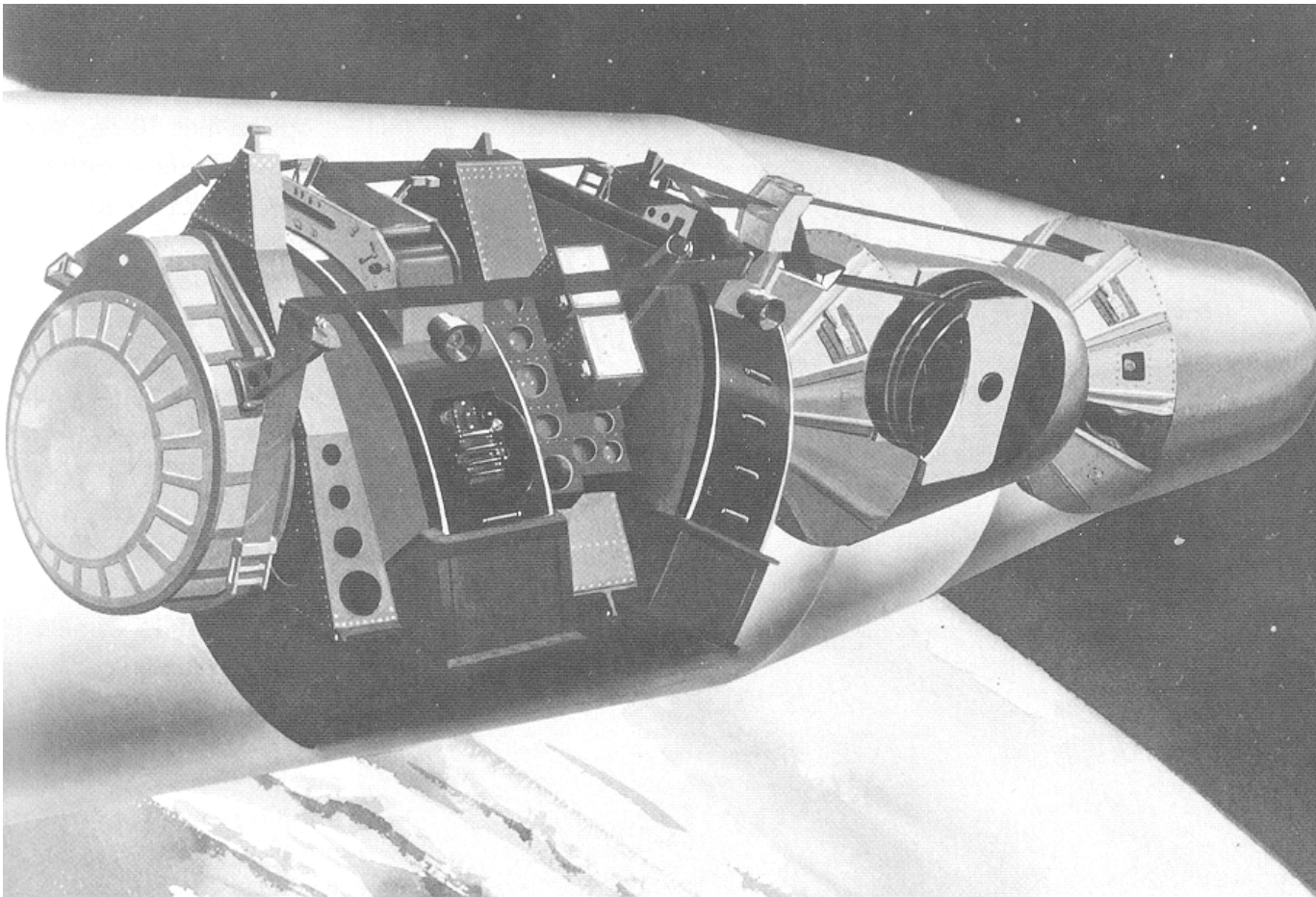
# Cold War Era, High Altitude Photography from the U2

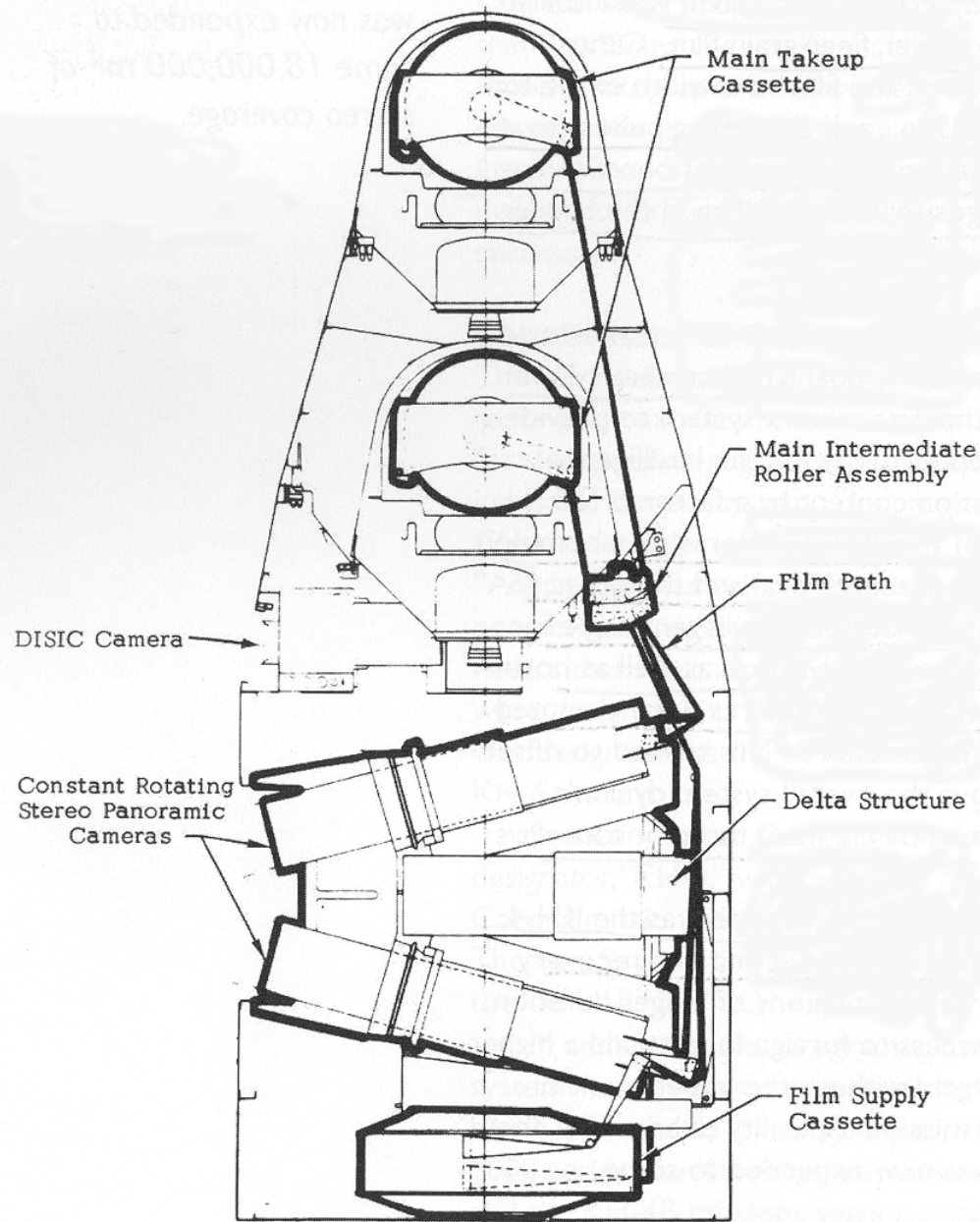


# U-2 B Camera, $f=36\text{in.}$ , $0.75\text{m}$ GSD, $19.5\text{km}$ , $65,000\text{ ft}$ , A&SM

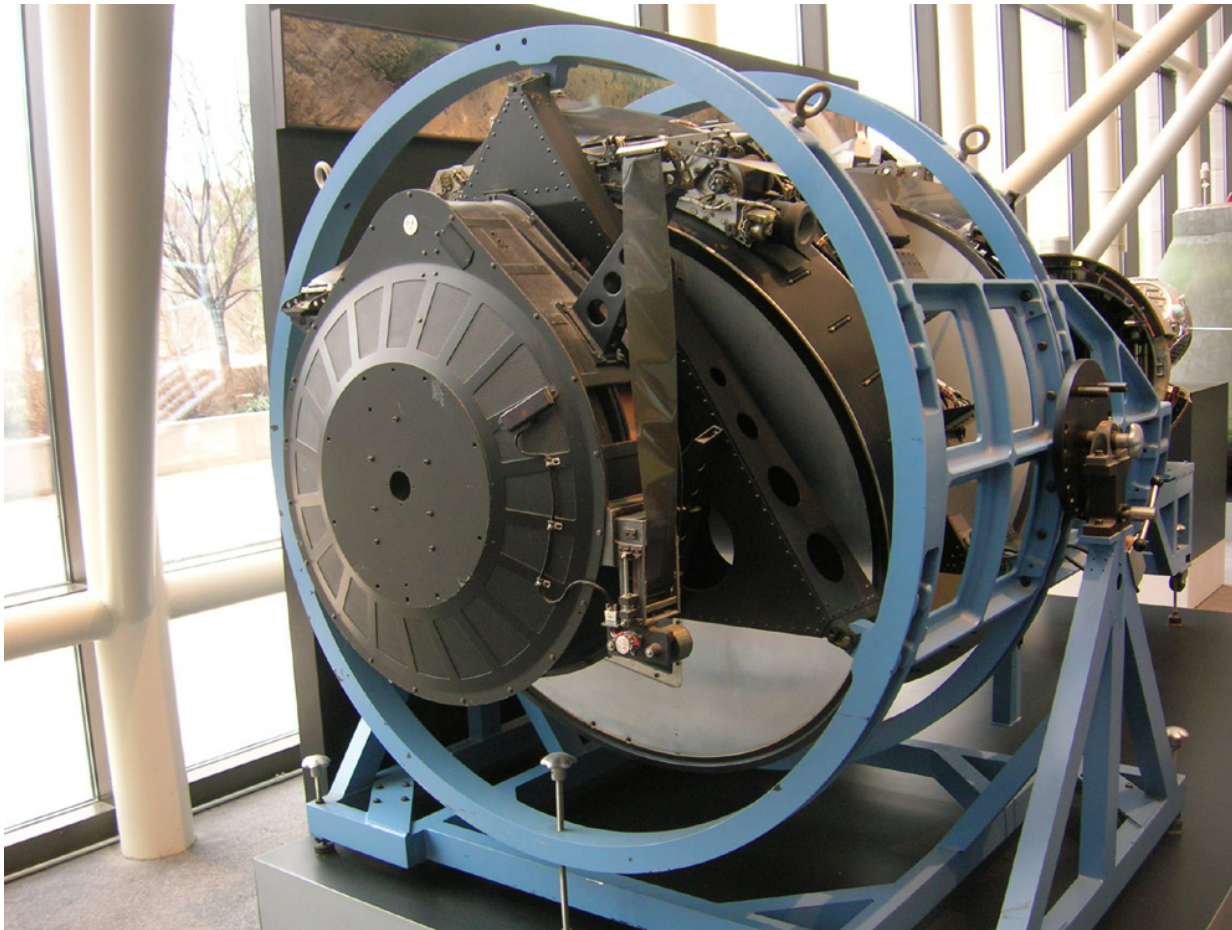


# De-classified Data and Imagery from the Corona Program

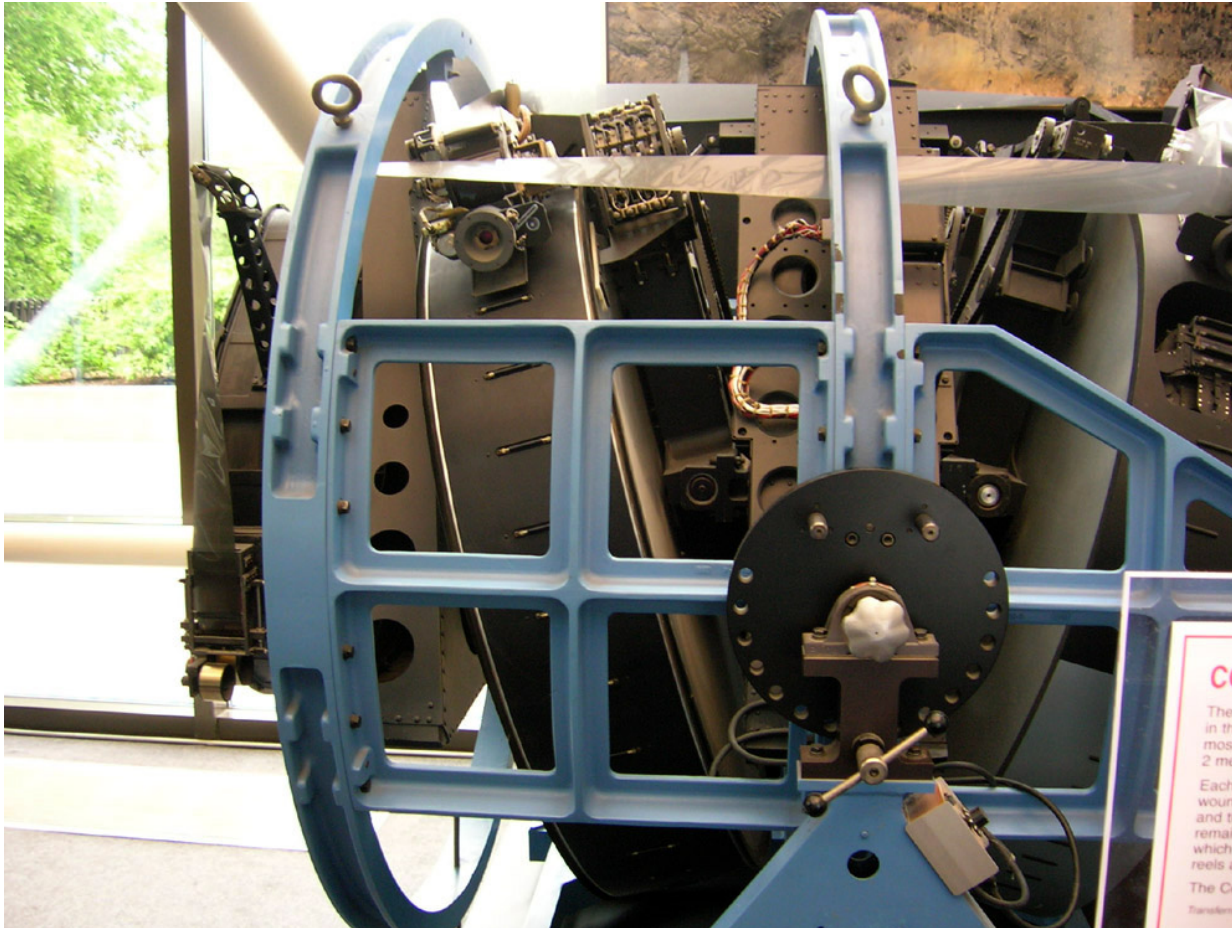




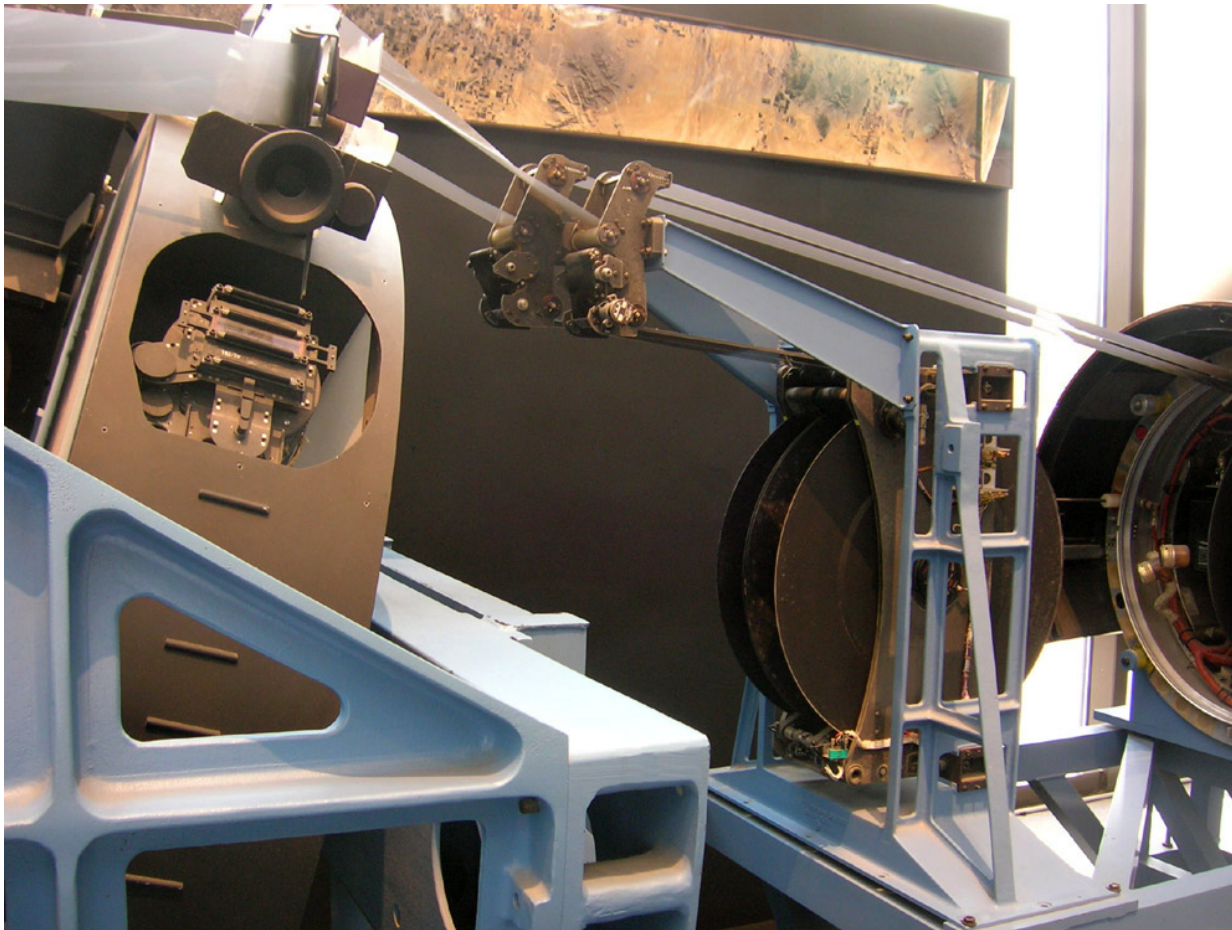
# CORONA Camera, film supply spool, 70mm film, A&SM



# Fore and aft (stereo) panoramic cameras



# Telescope (in cylinder) rotates, film takeup spools

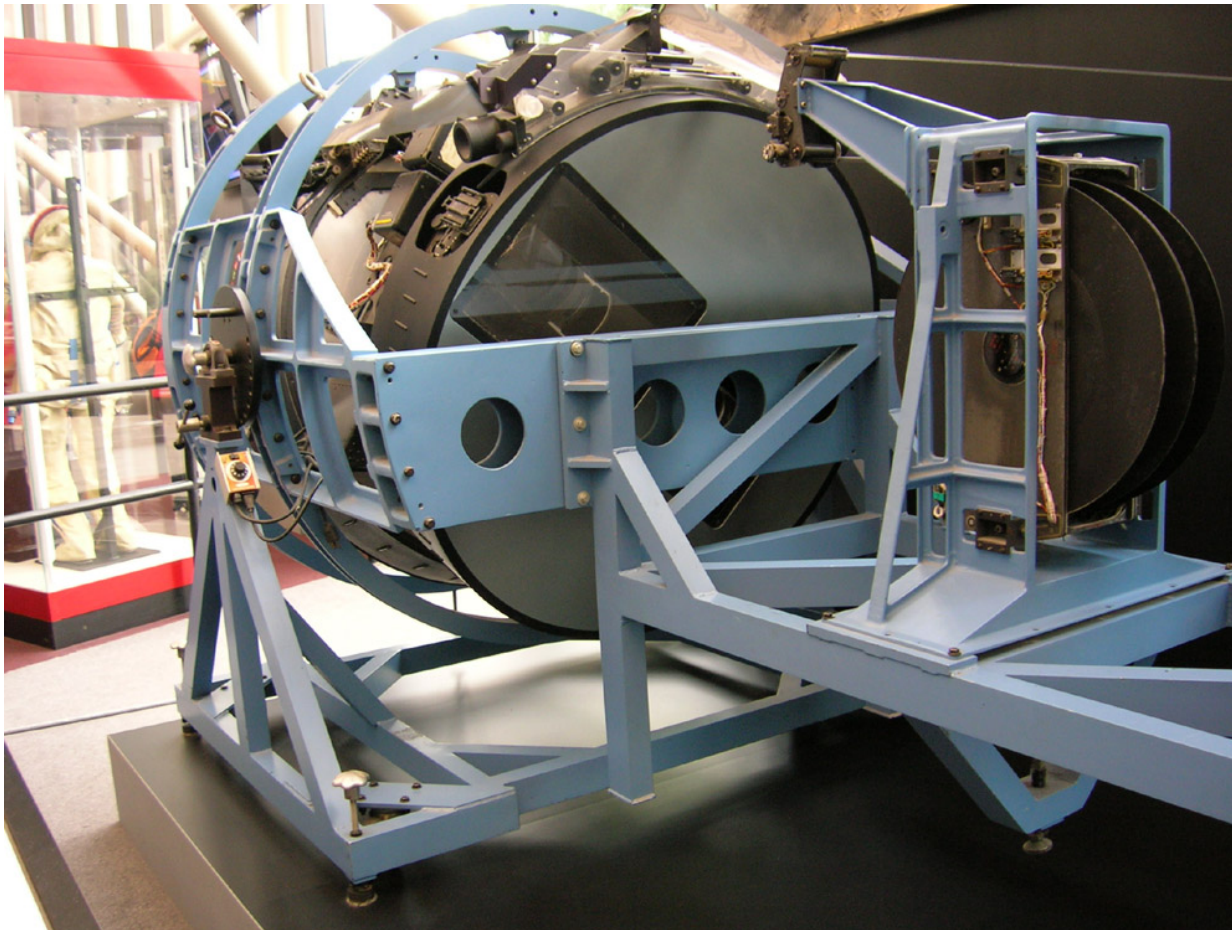


# Focal plane end of rotating telescope, film across top

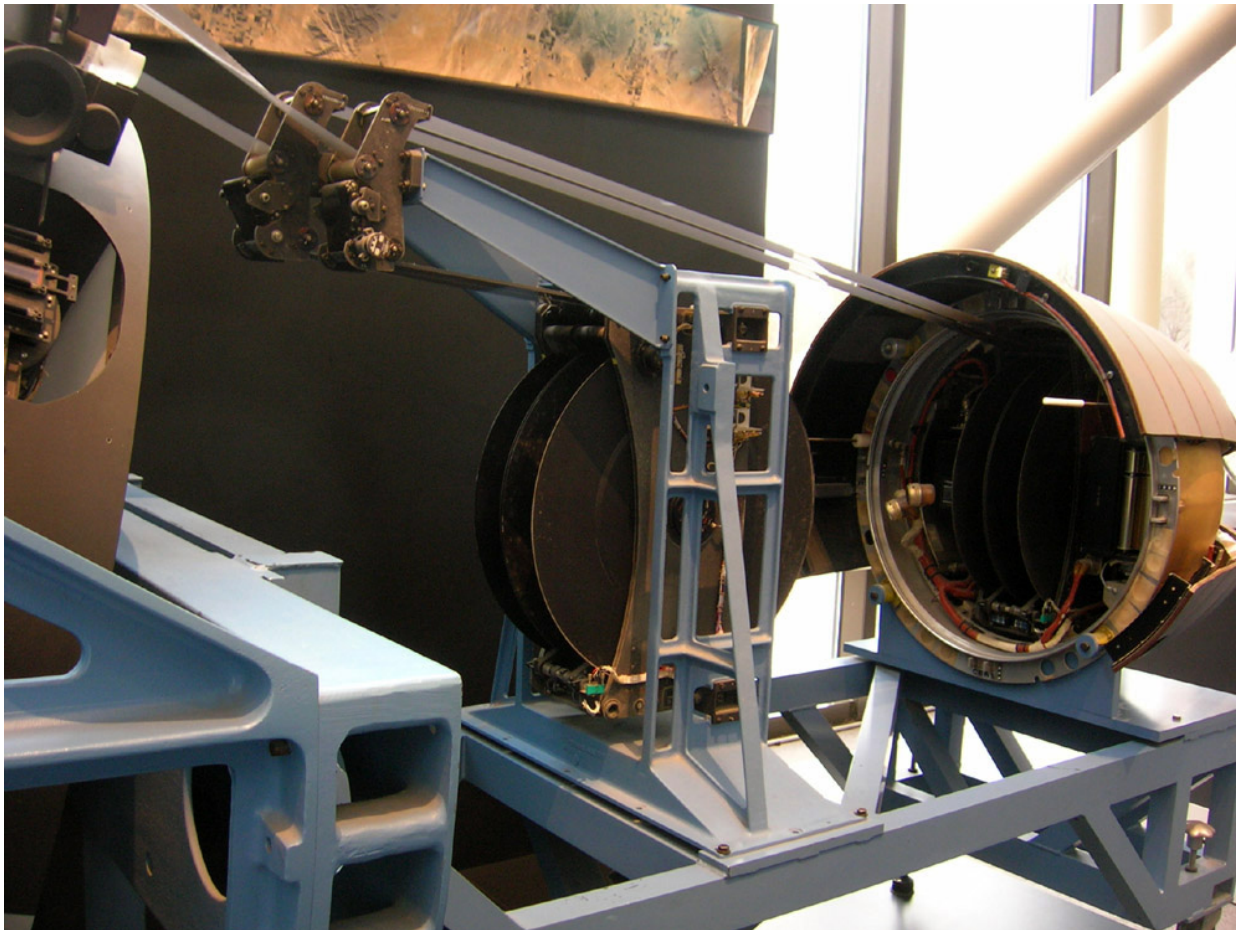




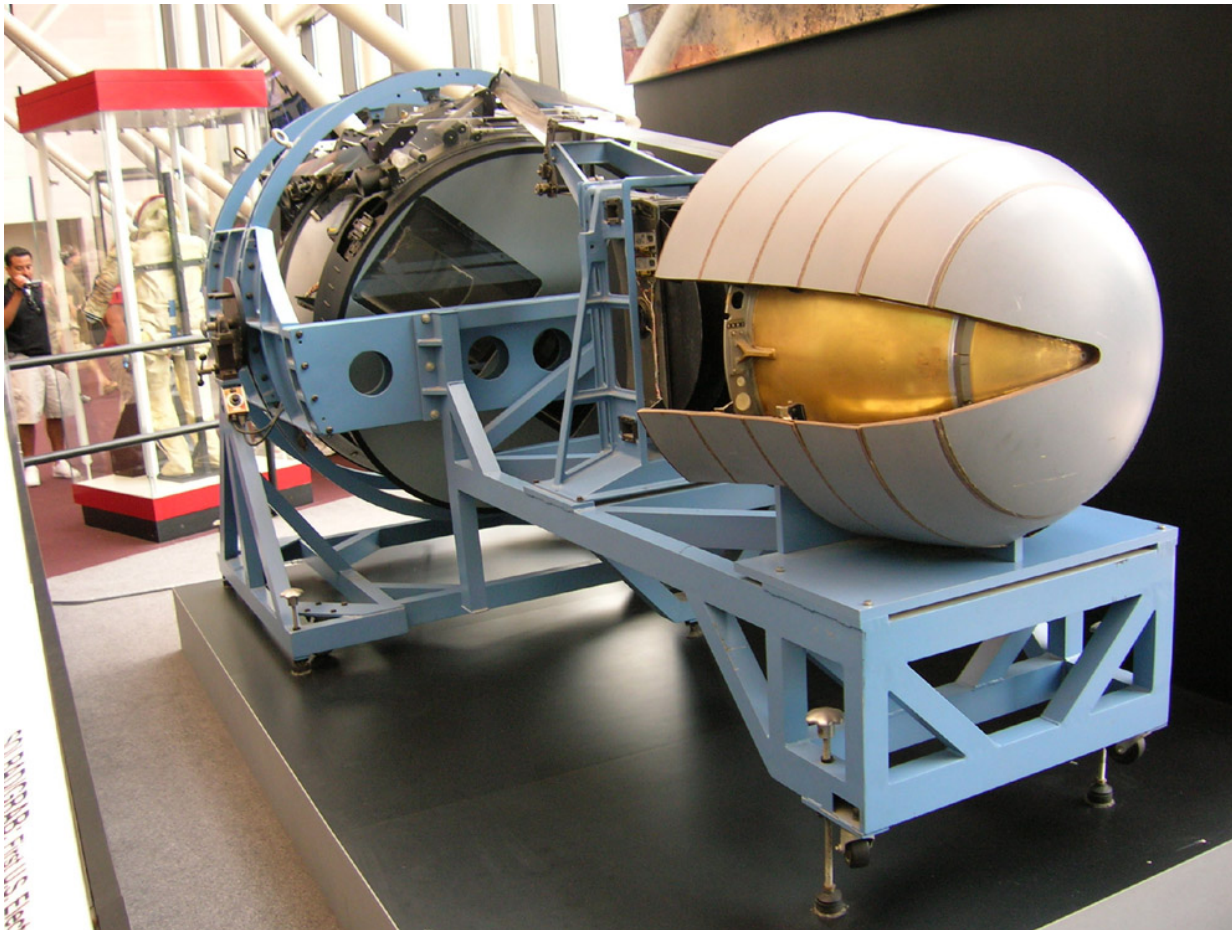
# Telescope barrel visible through window



# Two takeup spools

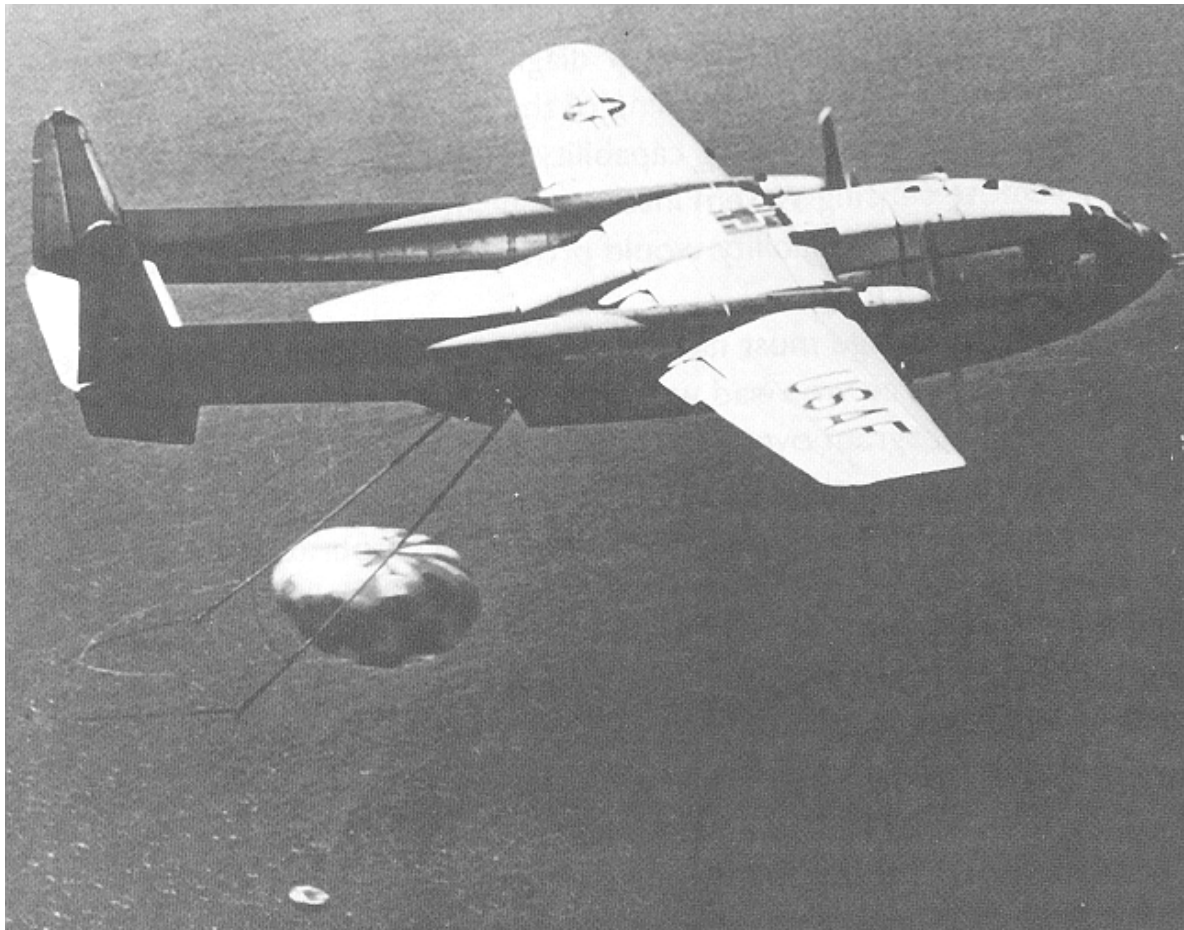


# View from forward



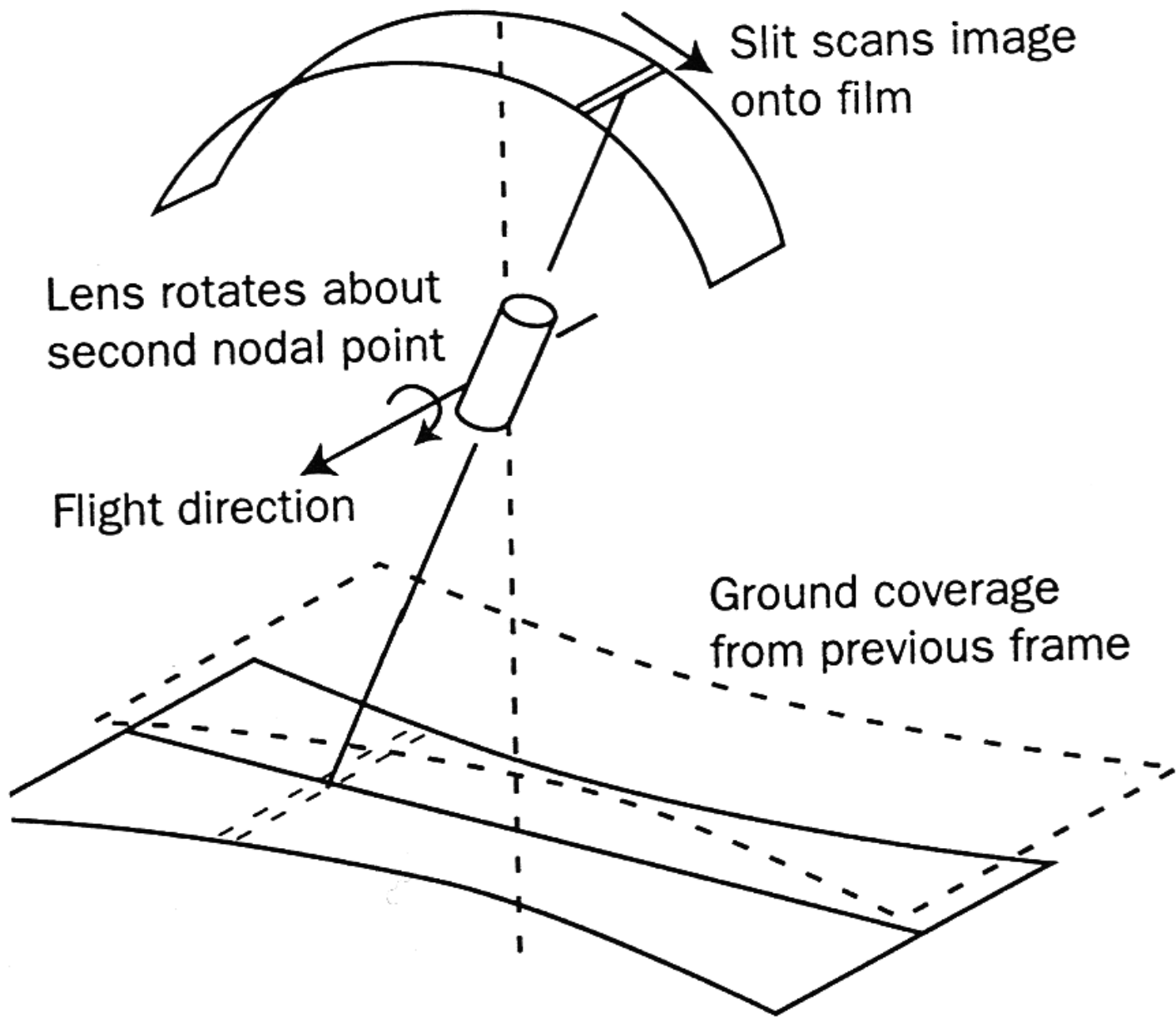
© 2000 Purdue University

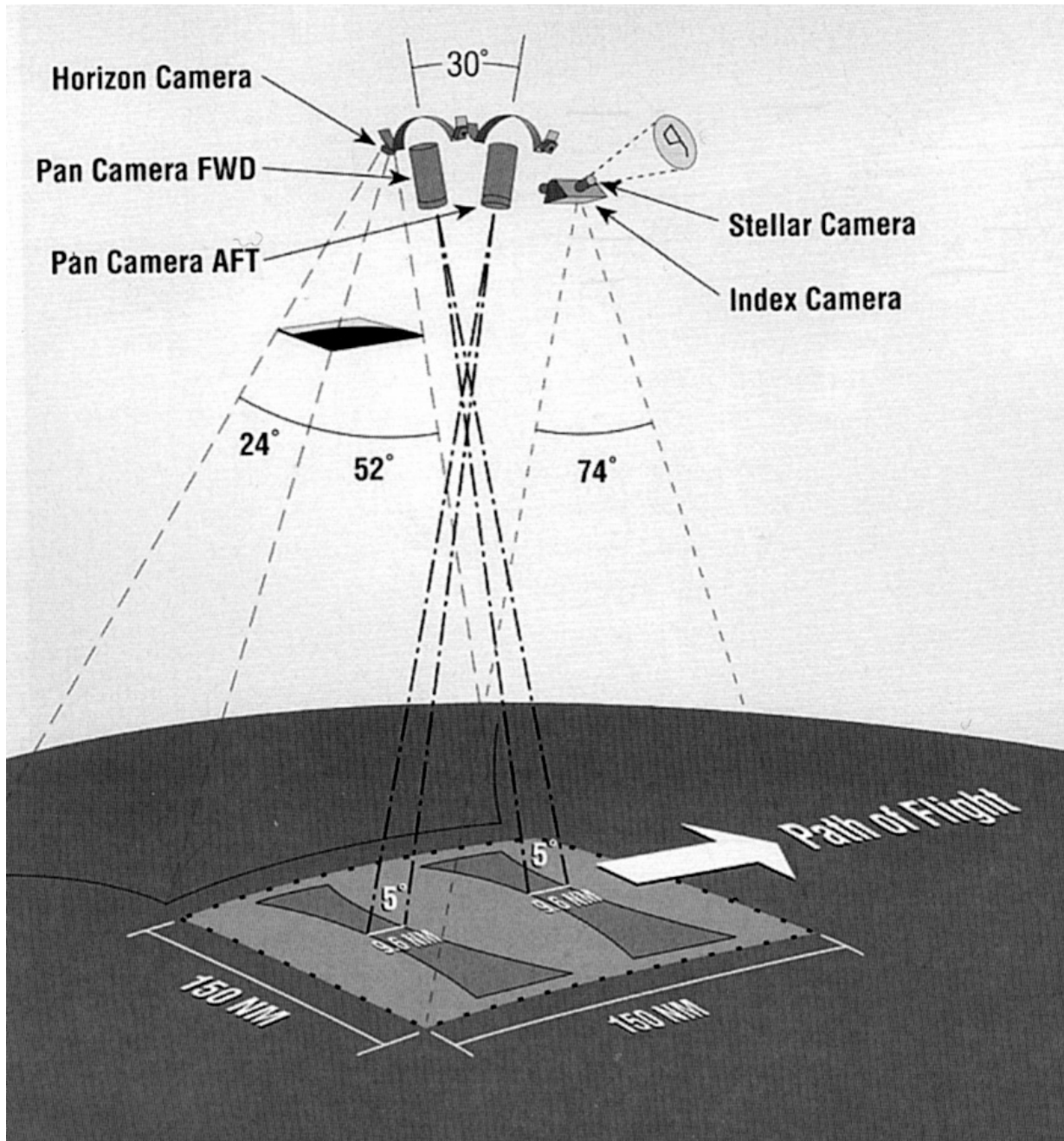
# Recovery of Corona Film Canister after Return from Orbit



# Recovery of Corona Film Canister After Return from Orbit

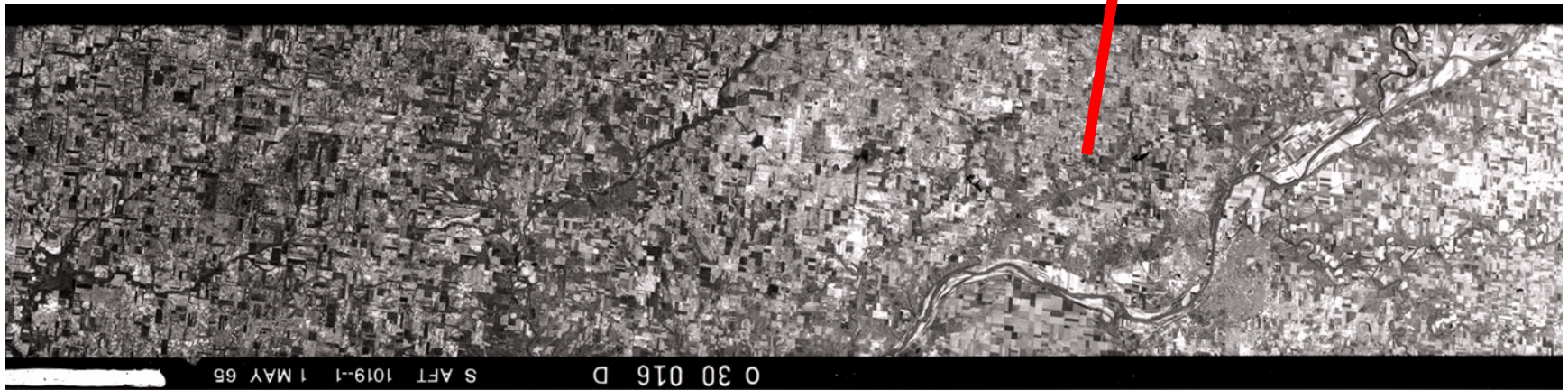






Geometry of Stereo Panoramic Collection

# Sample Corona Image over Indiana (1965)



- Imagery is now archived and distributed by USGS in hardcopy form
- Panoramic Geometry, 2-4 meter resolution
- Wabash River and Lafayette visible above





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# Corona 1965



SPOT 1990

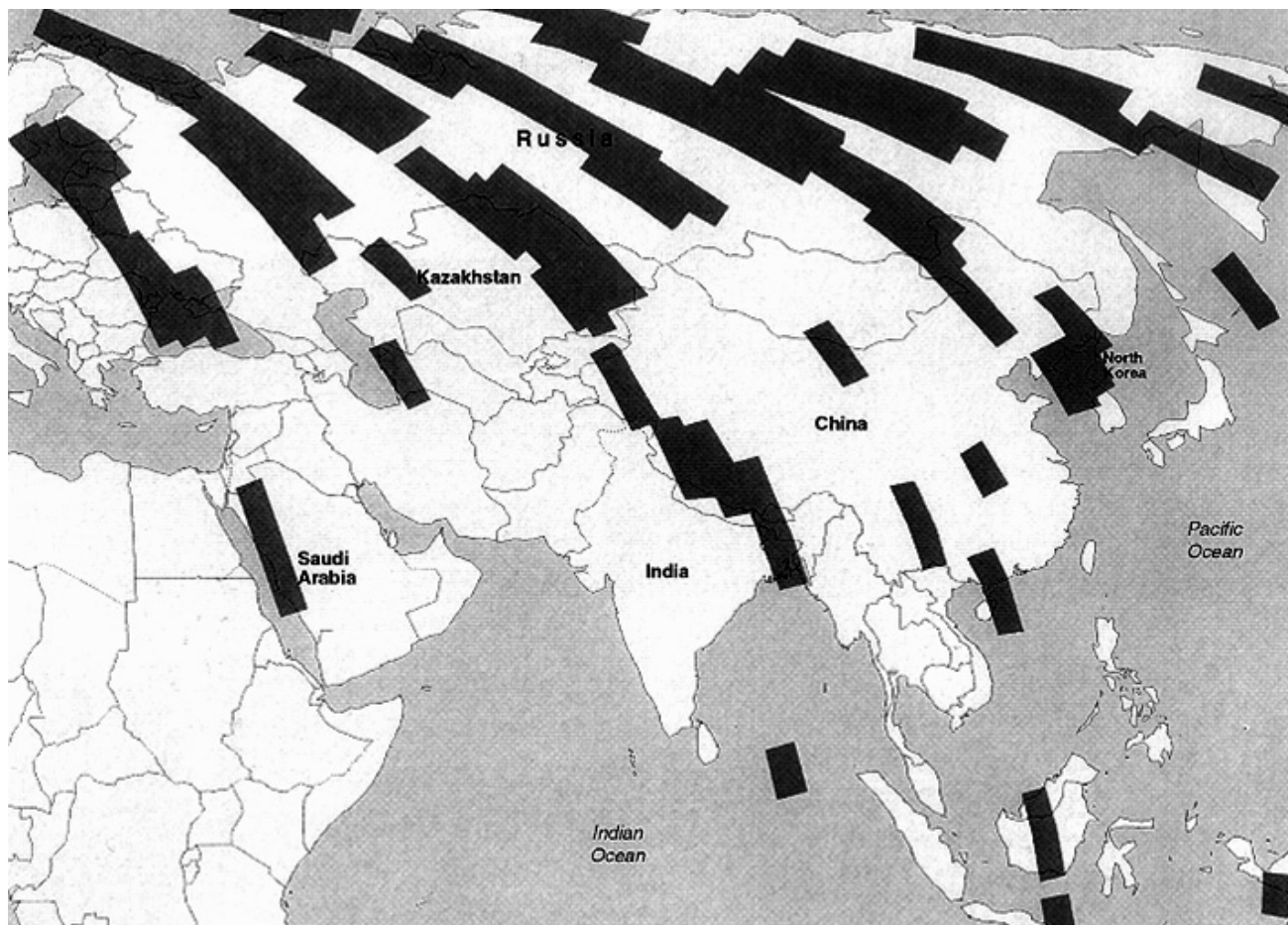


# Some Chronology

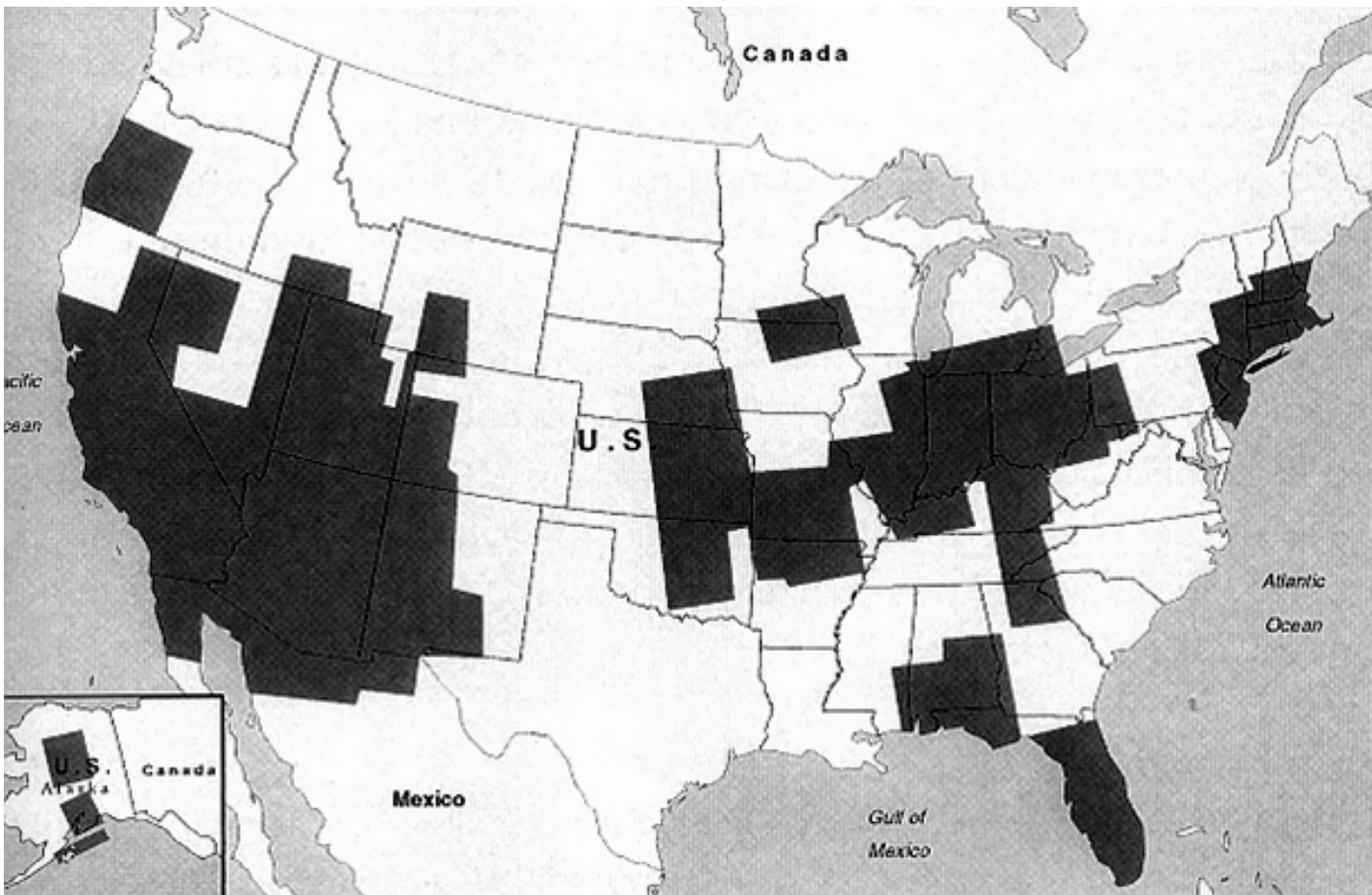
- 1930's Video camera tubes invented
- 1947 Transistor invented, Bell Labs
- 1957 Sputnik, Russians
- 1958 Integrated Circuit invented, TI & Fairchild
- 1969 Charge couple dev., CCD, Bell Labs

Corona System active 1960 – 1972, developed late 50's

# Typical Corona Mission over Eastern Europe and Asia



# Sample Corona Coverage of the United States



# Panoramic Geometry - Miami Beach

– Wide field of view & H-H scan



# Panoramic Geometry - Manhattan & New York City Area

