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FLIGHT SUMMARY REPORT

Flight No: 76-023

FSR No: 797

Sensor Package:

RC-10 / Aerosol Particulate Sampler (APS)

Date: 25 February 1976

Julian Date: 056

Aircraft No: 4

Purpose of Flight: #2124 Support (LANDSAT)
Requestor: Dolan
#0047 Support
Requestor: Ferry

Area(s) Covered: Atlantic Seaboard

SENSOR DATA

Accession No:	02299	---
Sensor ID No:	033	024
Sensor Type:	RC-10	APS
Focal Length:	6" 153.17mm	---
Film Type:	Aerochrome Infrared, 2443	---
Filtration:	WRATTEN 12	---
Spectral Band:	510-900nm	---
f Stop:	5.6	---
Shutter Speed:	1/200	---
No. of Frames:	41	---
% Overlap:	10	---
Quality:	Good	---
Remarks:	---	Non-imaging sensor

FLIGHT SUMMARY

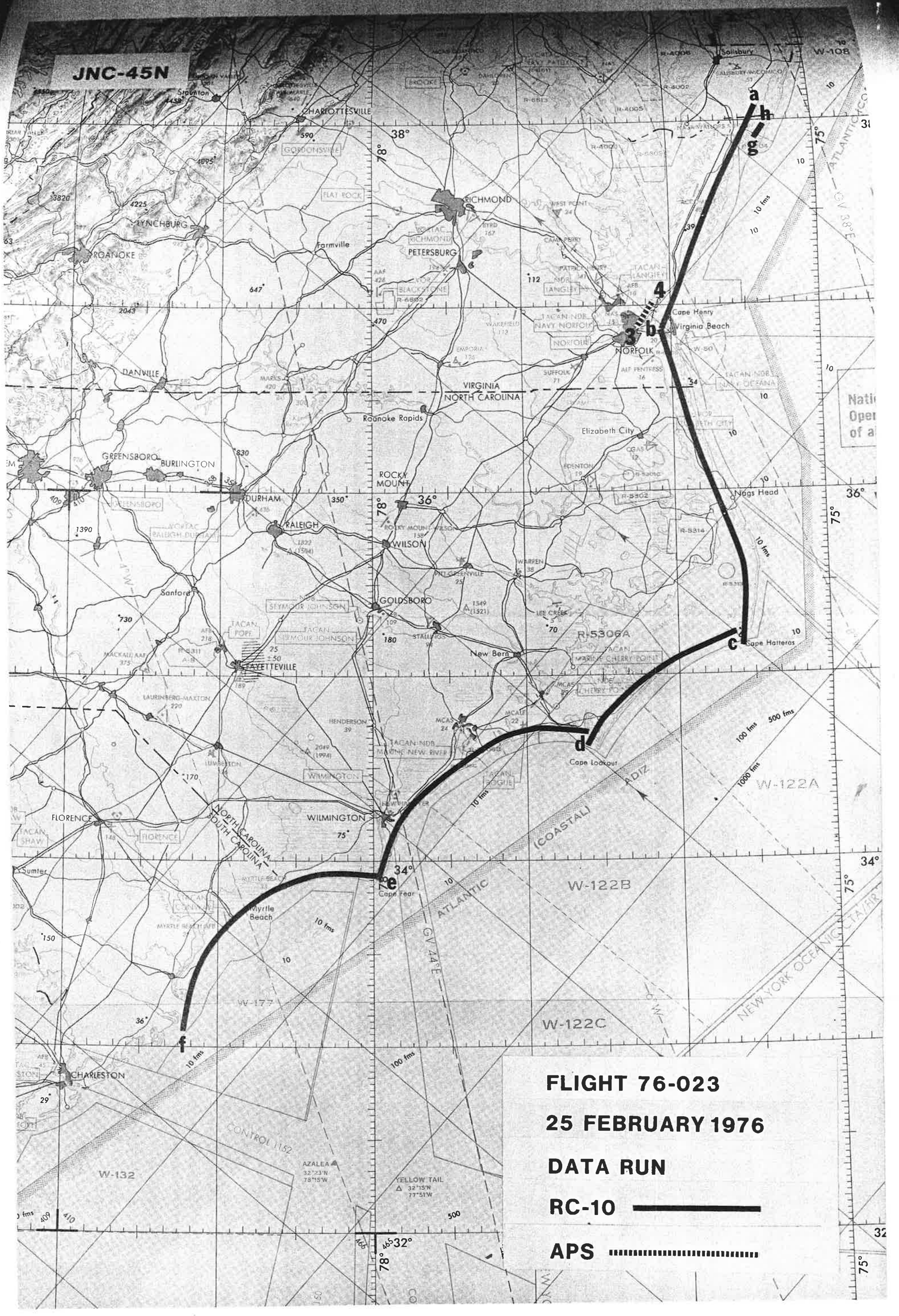
76-023

This was a LANDSAT Follow-on flight in support of Flight Requests #2124 (Dolan, University of Virginia) and #0047 (Ferry, NASA/ARC) under the FY 1976 Airborne Instrumentation Research Program (AIRP) plan. Photographic and Aerosol Particulate Sampler (APS) data was obtained over the Atlantic coastline from Maryland to South Carolina (see Track Map). APS #3 was exposed full time from level-off over Delaware to the beginning of descent over Norfolk, Virginia.

Light scattered cumulus and cirrus clouds were encountered at various points along the coast. The imagery is good quality with no camera or processing malfunctions noted.

The Aerosol Particulate Sampler has been developed and is operated by Dr. Guy Ferry of the NASA-Ames Research Center Planetary Science and Applications Branch. The sampler is a non-imaging sensor designed to gather high altitude dust particles for laboratory research. The Track Map and Flight Line Data indicate those segments of the flight during which the sampler was activated.

JNC-45N



FLIGHT 76-023
25 FEBRUARY 1976
DATA RUN
RC-10 —————
APS