

# FLIGHT SUMMARY REPORT

Flight No: 84-035

Date: 27 January 1984

FSR No: 1876

Julian Date: 027

Sensor Package: Aerosol Particulate Sampler (APS)

Aircraft No: 706

Purpose of Flight: #0792 Support  
Requestor: Pollack

Area(s) Flown: Central California

## SENSOR DATA

Sensor ID No: 024

Accession No: None

Sensor ID No: Unknown

Sensor Type: APS

Sensor Type: Optical Bar

Focal Length: 24" (609.6 mm)

Data Format: Impact Sampler

Film Type: Black & White

Filtration: Unknown

Sensor Position: Wing Pylon

Spectral Band: 400-700 nm

f Stop: Unknown

Shutter Speed: Unknown

Remarks: Non-imaging Sensor

No. of Frames: 122 frames

% Overlap: 60%

Quality: Good

### Remarks:

No documentation available from NASA-Ames. Flight Summary Report constructed by MIL from best available information.

## **FLIGHT SUMMARY**

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This flight was flown in support of Flight Request #0792 (Pollack, NASA/ARC) under the FY 1984 Airborne Instrumentation Research Program (AIRP) plan. Aerosol Particulate Sampling was conducted at stepped altitudes over central California in conjunction with a test flight of the aircraft.

### Aerosol Particulate Sampler

The APS has been developed and is operated by Dr. Guy Ferry of the NASA-Ames Research Center Atmospheric Experiments Branch. The sampler is a non-imaging sensor designed to gather high altitude dust particles for laboratory research.

# **SENSOR FLIGHT DATA** **FLIGHT NO. 84-035**

Check Points	Time-GMT (hr, min, sec)	Altitude, MSL feet/meters	Event	Remarks
--	19:11:00	50,000	APS #1 exposed	APS #1 exposed for 2 minutes at 50,000 feet. APS #2 exposed for 2 minutes at 60,000 feet. APS #3 exposed for 2 minutes at 65,000 feet.
--	19:13:00	50,000	APS #1 sealed	
--	19:17:00	60,000	APS #2 exposed	
--	19:19:00	60,000	APS #2 sealed	
--	19:23:00	65,000	APS #3 exposed	
--	19:25:00	65,000	APS #3 sealed	



