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Airborne Instrumentation Research Project

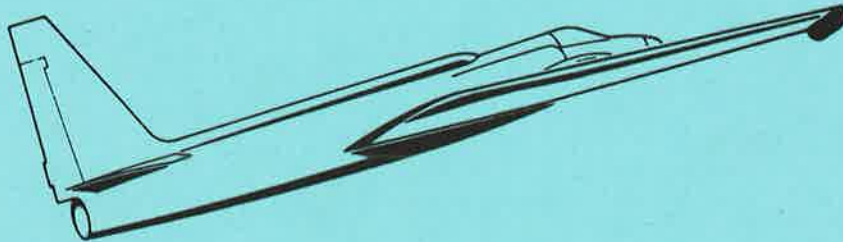
Flight Summary Report

Flight No. 83-098

CRDR

Date 13 June 1983

FSR- 1761



NASA

National Aeronautics and
Space Administration

Ames Research Center
Moffett Field, California 94035

Airborne Missions and Applications Division

FLIGHT SUMMARY REPORT

Flight No: 83-098

Date: 13 June 1983

FSR No: 1761

Julian Date: 164

Sensor Package: A-4 Configuration/
Air Particulate Sampler (APS)

Aircraft No: 709

Purpose of Flight: #0985 Support
Requestor: OES (State of California)

Area(s) Covered: Southern California

*ordered
8/83*

SENSOR DATA

Accession No:	03218	03219	---
Sensor ID No:	076	038	024
Sensor Type:	RC-10	HR-732	APS
Focal Length:	12" 304.89mm	24" 609.6mm	---
Film Type:	High Definition Aerochrome Infrared, S0-131	High Definition Aerochrome Infrared, S0-131	---
Filtration:	CC .10B	CC .20B	---
Spectral Band:	510-900nm	510-900nm	---
f Stop:	4.0	8.0	---
Shutter Speed:	1/225	1/75	---
No. of Frames:	123	72	---
% Overlap:	60	60	---
Quality:	Excellent	Excellent	---
Remarks:	---	---	Non-imaging Sensor

FLIGHT SUMMARY

83-098

This flight was flown in support of Flight Request #0985 (Office of Emergency Services) under the FY 1983 Airborne Instrumentation Research Program (AIRP) plan. Photographic coverage with the A-4 camera configuration was collected over Southern California. Additionally, air particulate sampler data was collected as part of a long-term exposure project, but is not depicted on the track map.



Aerosol Particulate Sampler

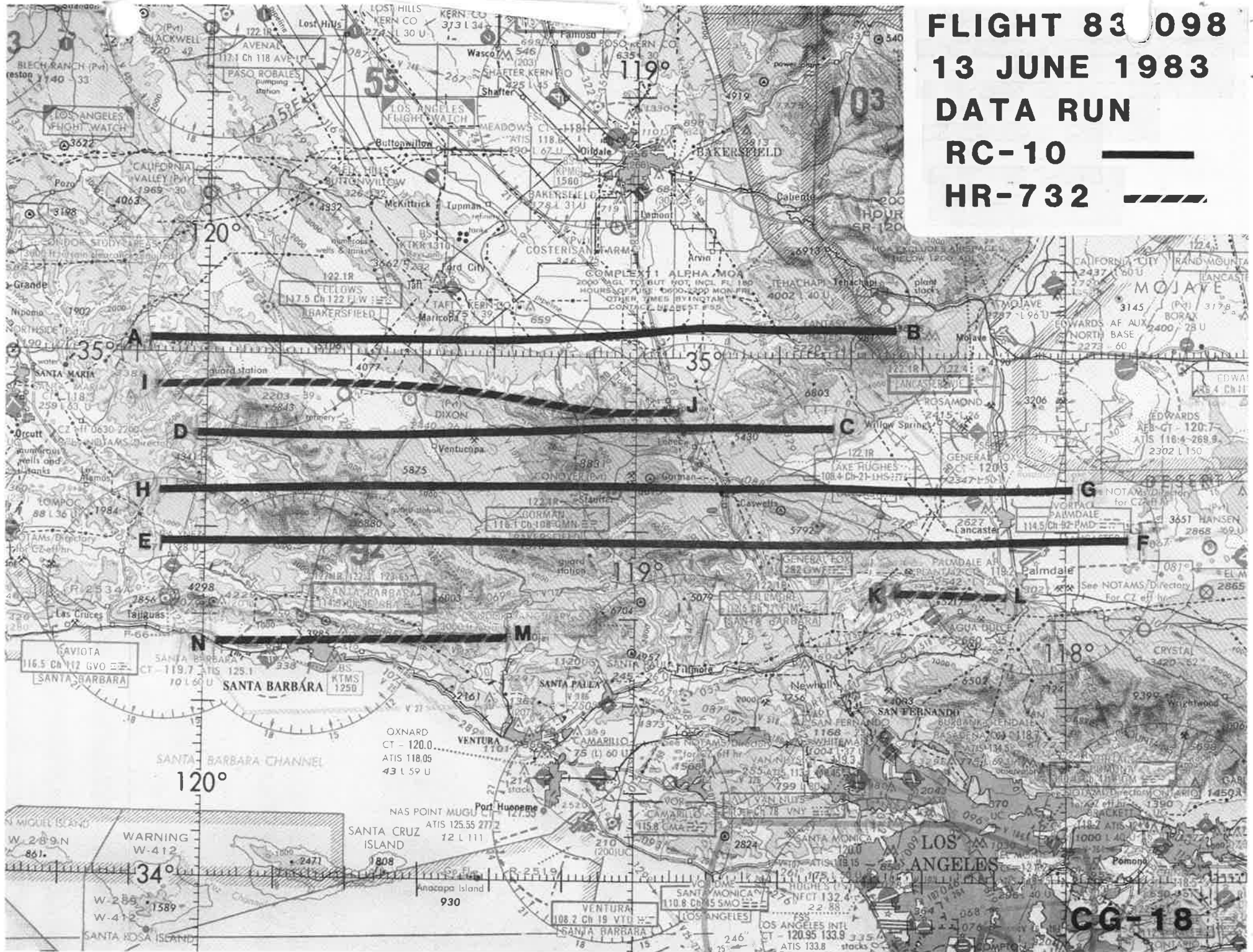
The APS has been developed and is operated by Dr. Guy Ferry of the NASA-Ames Research Center Atmospheric Experiments Branch. The sampler is a non-imaging sensor designed to gather high altitude dust particles for laboratory research.

FLIGHT LINE DATA

FLIGHT NO. 83-098

Check Points	Frame Numbers	Time (GMT— hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks	
		START	END			
076 RC-10		18:14:27				
	A-B	2388	18:38:47	18:51:00	65,000/19800	Clear; clearing fr.
	C-D	2389-2416	18:54:00	19:05:00	"	"
	E-F	2417-2440	19:09:35	19:26:00	"	"
	G-H	2441-2476	19:34:41	19:49:00	"	"
038 HR-732	I-J	002-044	20:10:22	20:20:45	65,000/19800	Clear; no clock for fr. 002
	K-L	045-053	20:30:52	20:32:51	"	"
	M-N	054-073	20:39:39	20:44:21	"	"
024 APS		18:41:00	21:03:00	65,000/19800	APS #1 and #2 exposed for 2 hours and 22 minutes above 60,000 feet.	

FLIGHT 83 098
13 JUNE 1983
DATA RUN
RC-10 
HR-732 



CG-18