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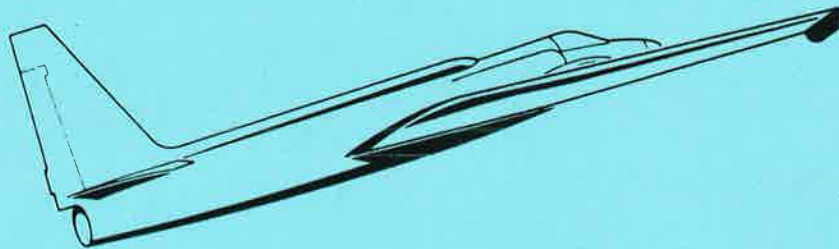
Airborne Instrumentation Research Project

Flight Summary Report

Flight No. 82-136

Date 14 July 1982

FSR- 1628



NASA

National Aeronautics and
Space Administration

Ames Research Center
Moffett Field, California 94035

Airborne Missions and Applications Division

FLIGHT SUMMARY REPORT

Flight No: 82-136

Date: 14 July 1982

FSR No: 1628

Julian Date: 195

Sensor Package: A-3 Configuration/Aerosol Particulate Sampler Aircraft No: 709

Purpose of Flight: #0929 Support
Requestor: Lumb
#0792 Support
Requestor: Pollack

Area(s) Covered: Central California

SENSOR DATA

Accession No:	03086	03087	---
Sensor ID No:	018	019	024
Sensor Type:	HR-732	HR-732	APS
Focal Length:	24" 609.6 mm	24" 609.6 mm	---
Film Type:	High Definition Aerochrome Infrared, S0-131	High Definition Aerochrome Infrared, S0-131	---
Filtration:	CC .20B	CC .20B	---
Spectral Band:	510-900nm	510-900nm	---
f Stop:	8	8	---
Shutter Speed:	1/75	1/75	---
No. of Frames:	371	102	---
% Overlap:	60	60	---
Quality:	Excellent	Excellent	---
Remarks:	---	---	Non-imaging Sensor

FLIGHT SUMMARY

82-136

This flight was flown in support of Flight Requests #0929 (Lumb, NASA/ARC) #0792 (Pollack, NASA/ARC) under the FY 1982 Airborne Instrumentation Research Program (AIRP) plan. A-3 photographic coverage was obtained over portions of Central California. Additionally, aerosol particulate sampling was conducted throughout the flight, but is not depicted on the Track Map.

The entire area was cloud free. The camera clocks did not work due to time code generator failure. Times were derived from the pilot flight log. No processing malfunctions were noted and the quality of the data is rated excellent.

Aerosol Particulate Sampler

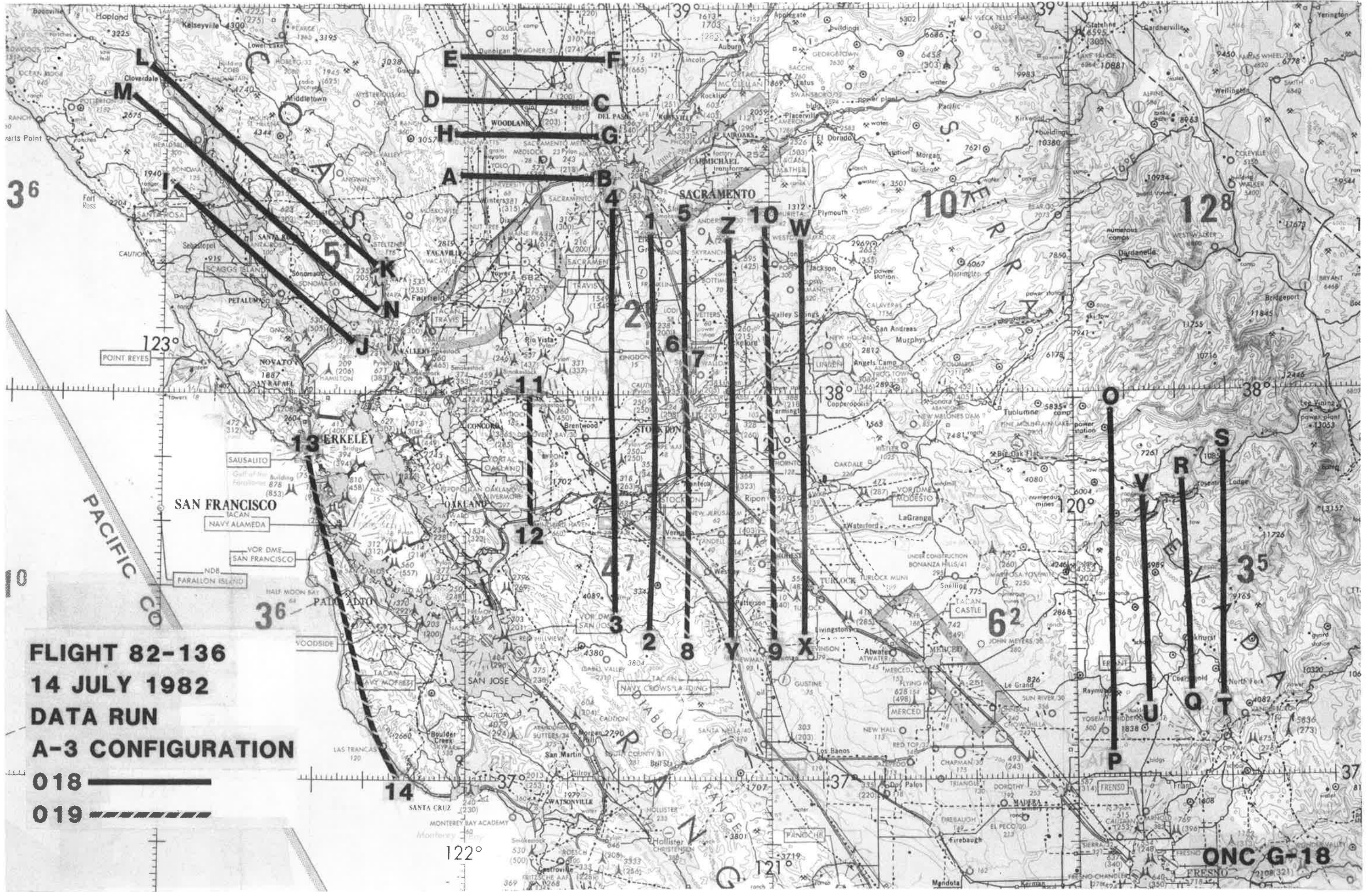
The APS has been developed and is operated by Dr. Guy Ferry of the NASA-Ames Research Center Atmospheric Experiments Branch. The sampler is a non-imaging sensor designed to gather high altitude dust particles for laboratory research. The Track Map and Flight Line Data indicate those segments of the flight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

FLIGHT LINE DATA**FLIGHT NO.** 82-136

Sensor #	Check Points	Frame Numbers	Time (GMT— hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
			START	END		
#018	A-B	0001-0012	17:45:00	17:48:00	65,000/19800	Clear
	C-D	0013-0024	17:51:00	17:54:00	"	"
	E-F	0025-0036	17:57:00	18:00:00	"	"
	G-H	0037-0047	18:03:00	18:06:00	"	"
	I-J	0048-0068	18:16:00	18:22:00	"	"
	K-L	0069-0094	18:25:00	18:33:00	"	"
	M-N	0095-0124	18:39:00	18:41:00	"	"
	O-P	0125-0155	18:54:00	19:02:00	"	"
	Q-R	0156-0176	19:05:00	19:11:00	"	"
	S-T	0177-0198	19:17:00	19:25:00	"	"
	U-V	0199-0220	19:28:00	19:34:00	"	"
	W-X	0221-0256	19:45:00	19:55:00	"	"
	Y-Z	0257-0292	19:58:00	20:09:00	"	"
	1-2	0293-0325	20:12:00	20:23:00	"	"
	3-4	0326-0361	20:29:00	20:42:00	"	"
5-6	0362-0371	20:45:00	20:48:00	"	"	
#019	7-8	0001-0025	20:48:00	20:56:00	65,000/19800	Clear

FLIGHT LINE DATA**FLIGHT NO.** 82-136

Sensor #	Check Points	Frame Numbers	Time (GMT - hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
			START	END		
	9-10	0026-0061	20:59:00	21:10:00	65,000/19800	Clear
	11-12	0062-0072	21:24:00	21:26:00	"	"
	13-14	0073-0102	21:33:00	21:42:00	"	Camera Motion, frs. 0098 and 0100
APS	---	---	17:45:00	21:35:00	65,000/19800	APS #1 and #2 exposed for 3 hours and 50 minutes above 60,000 feet



FLIGHT 82-136
14 JULY 1982
DATA RUN
A-3 CONFIGURATION
018 —————
019 - - - - -

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