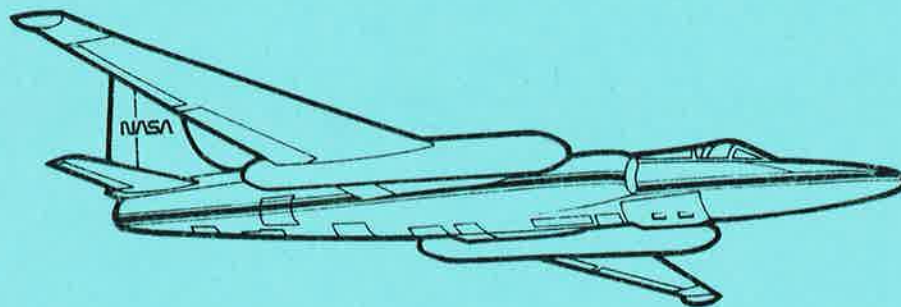# Airborne Instrumentation Research Project

Flight Summary Report

Flight No. 87-040

Date 10 December 1987

Science and Applications Aircraft Division

NASA

National Aeronautics and
Space Administration

Ames Research Center
Moffett Field, California 94035

FLIGHT SUMMARY REPORT

Flight Number: 87-040

Date: 10 December 1986

Julian Date: 344

Sensor Package: A-3 Configuration

Aircraft No: 709

Purpose of Flight: 87x-001
Functional Check Flight

Area(s) Covered: San Luis Obispo/ Salinas Valley

SENSOR DATA

Accession No:	03612	03613	03614
Sensor ID No:	018	019	020
Sensor Type:	HR-732	HR-732	HR-732
Focal Length:	24" 609.6mm	24" 609.6mm	24" 609.6mm
Film Type:	High Definition Aerochrome Infrared, SO-131	Aerial Color, SO-242	Panatomic X Aerographic II, 2412
Filtration:	cc. 20B	None	Wratten-12
Spectral Band:	510-900nm	400-700nm	510-700nm
f Stop:	8	8	9.6
Shutter Speed:	1/75	1/75	1/75
No. of Frames:	30	39	39
% Overlap:	60	60	60
Quality:	Excellent	Excellent	Excellent
Remarks:	---	---	---

FLIGHT SUMMARY

87-040

This flight was a functional check of the A-3 configuration.
Photographic coverage was accquired over San Luis Obispo,
Santa Maria Valley and the upper Salinas Valley in
California. No track map is provided for this flight.

All cameras operated noramlly and the areas flown were
cloud-free. The SO-131 film ran out prior to the other two
cameras due to a short film load. No malfunctions were
noted and the quality of the data is rated excellent.

CAMERA FLIGHT LINE DATA
FLIGHT NO. 87-040

Sensor #	Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
			START	END		
018	---	0001-0004	19:59:57	20:00:26	65000/19800	clear-San Luis Obispo, CA
	---	0045-0049	20:19:32	20:20:31	"	clear-Santa Maria Valley, CA
	---	0050-0054	20:24:18	20:25:17	"	clear-clearing frames over N34 57/W120 13
	---	0055-0058	20:32:14	20:32:43	"	clear-San Luis Obispo, CA
	---	0059-0070	20:40:52	20:43:34	"	clear-Salinas Valley, CA *San Lucas to Greenfield*
019/020	---	0001-0004	19:59:56	20:00:26	"	clear-San Luis Obispo, CA
	---	0045-0049	20:19:32	20:20:31	"	clear-Santa Maria Valley, CA
	---	0050-0054	20:24:18	20:25:17	"	clear-clearing frames over W34 57/W120 13
	---	0055-0058	20:32:14	20:32:43	"	clear-San Luis Obispo
	---	0059-0079	20:40:52	20:45:47	"	clear-Salinas Valley