

G
70.4
F58

Airborne Instrumentation Research Project

Flight Summary Report

Flight No. 77-072

Date 3 June 1977

FSR- 992



NASA

National Aeronautics and
Space Administration

Ames Research Center
Moffett Field, California 94035

Airborne Missions and Applications Division

FLIGHT SUMMARY REPORT

Flight No: 77-072

Date: 3 June 1977

FSR No: 992

Julian Date: 154

Sensor Package: A-4 Configuration

Aircraft No: 4

Purpose of Flight: #0617 Support
Requestor: Colwell

Area(s) Covered: Mojave Desert, Southeastern California

SENSOR DATA

Accession No:	02497	02498
Sensor ID No:	009	036
Sensor Type:	HR-732	RC-10
Focal Length:	24" 609.6mm	6" 153.19mm
Film Type:	Aerochrome Infrared, 2443	Aerochrome Infrared, 2443
Filtration:	Wratten 12 + CC .40B + .40C	Wratten 12 + CC .20B + .30C + 2.2AV
Spectral Band:	510-900nm	510-900nm
f Stop:	9.0	5.6
Shutter Speed:	1/75	1/100
No. of Frames:	197	102
% Overlap:	60	60
Quality:	Good	Excellent
Remarks:	Overall blue cast	

FLIGHT SUMMARY

77-072

This flight was flown in support of Flight Request #0617 (Colwell, UC Berkeley) under the FY 1977 Airborne Instrumentation Research Program (AIRP) plan. Photographic coverage was obtained over the Mojave Desert in southeastern California (see Track Map).

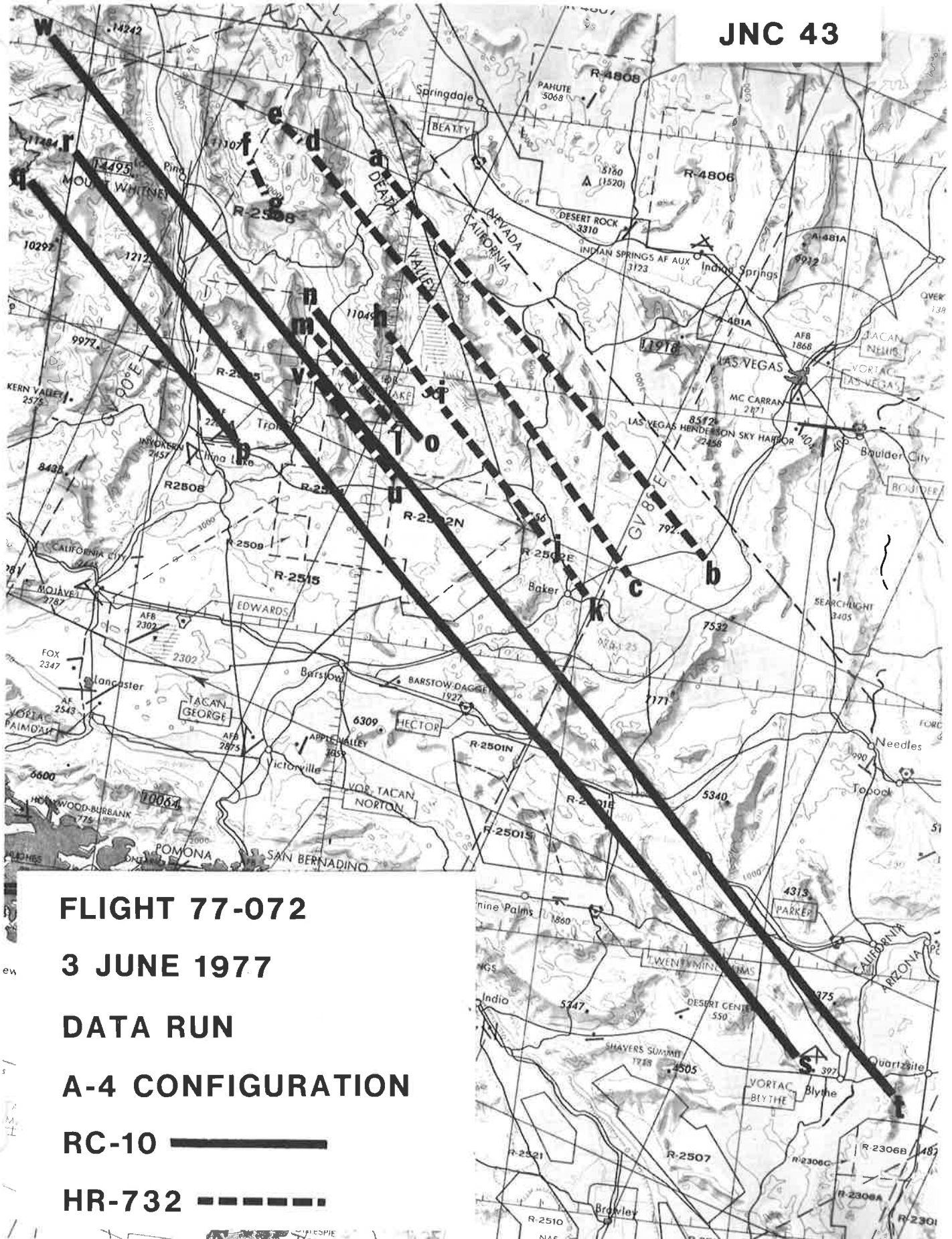
The entire area was cloud-free. The HR-732 imagery is rated only good quality due to the poor color balance. The RC-10 imagery is of excellent quality. No other camera or processing malfunctions were noted.

FLIGHT LINE DATA

FLIGHT NO. 77-072

Check Points	Frame Numbers	Time (GMT— hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks	
		START	END			
HR-732	a-b	0001-0066	18:15:48	18:32:03	65,000/19800	Minor cloud shadow, frs. 0003-0006
	c-d	0067-0130	18:37:02	18:52:53	"	Clear
	d-e	0131	18:53:13		"	Clear, single pulse frame during turn
	f-g	0132-0135	18:55:04	18:59:10	"	Clear
	h-i	0136-0141	19:05:42	19:06:58	"	Clear
	i-j	0142-0161	19:08:34	19:13:25	"	Clear
	j-k	0162-0166	19:15:34	19:16:23	"	Clear
	l-m	0167-0180	19:27:27	19:31:12	"	Clear
	u-v	0181-0197	21:16:15	21:20:30	"	Clear
RC-10	n-o	7435-7440	19:40:30	19:46:40	"	Clear
	p-q	7441-7451	19:55:40	20:04:33	"	Clear
	r-s	7452-7491	20:08:10	20:44:49	"	Clear
	t-w	7492-7536	20:51:29	21:33:22	"	Clear

JNC 43



FLIGHT 77-072

3 JUNE 1977

DATA RUN

A-4 CONFIGURATION

RC-10 

HR-732 