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National Aeronautics and Space Administration

Earth Resources Aircraft Project

Flight Summary Report

Flight No. 73-108

Date 2 July 1973

FSR- 314



**EROS DATA CENTER
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Airborne Science Office

Ames Research Center, Moffett Field, California

10 July 1973

NASA/ARC Earth Resources Aircraft Project

FLIGHT SUMMARY REPORT

Flight No: 73-108

Date: 2 July 1973

Aircraft No: 4

Julian Date: 183

Sensor Package: A-1 Configuration

Purpose of Flight: ERTS-1 Aircraft Support
Proposal No. 124

Area(s) Covered: Los Angeles Basin

SENSOR DATA

Accession No:	01301	01303	01304
Sensor ID No:	006	008	009
Sensor Type:	HC-730V	HC-730R	HR-732
Lens Focal Length:	6"	6"	24"
Film Type:	Ektachrome EF Aerographic, S0-397	Ektachrome EF Aerographic, S0-397	Aerial Color, S0-242
Spectral Band:	400-700nm	400-700nm	400-700nm
f Stop:	11	11	8
Shutter Speed:	1/150	1/150	1/75
No. of Frames:	96	95	627
% Overlap	60	60	60
Quality	Excellent	Excellent	Good
Remarks		Processing residue- frs. 10-13	Sporadic traces of processing residue throughout roll

Possible

*Costs ?
oblique*

FLIGHT SUMMARY

73-108

This is an ERTS-1 Aircraft Support flight for Proposal No. 124 (Raje) covering the Los Angeles Basin and surrounding area (see Track Map). The full A-1 camera configuration was used for this flight, but due to a camera malfunction the film from the 6-inch focal length left oblique camera (HC-730L) was lost.

The entire area was essentially clear except for some minor scattered cumulus clouds on various flight lines (see Flight Line Data). The camera system was operated in Mode 1 (rocker mode) on alternate flight lines and in Mode 3 (HC-730 cameras only) on the intervening flight lines (see Track Map).

All imagery is of good or excellent quality with no major malfunctions noted other than the failure of the HC-730L camera.

FLIGHT LINE DATA

FLIGHT NO. 73-108

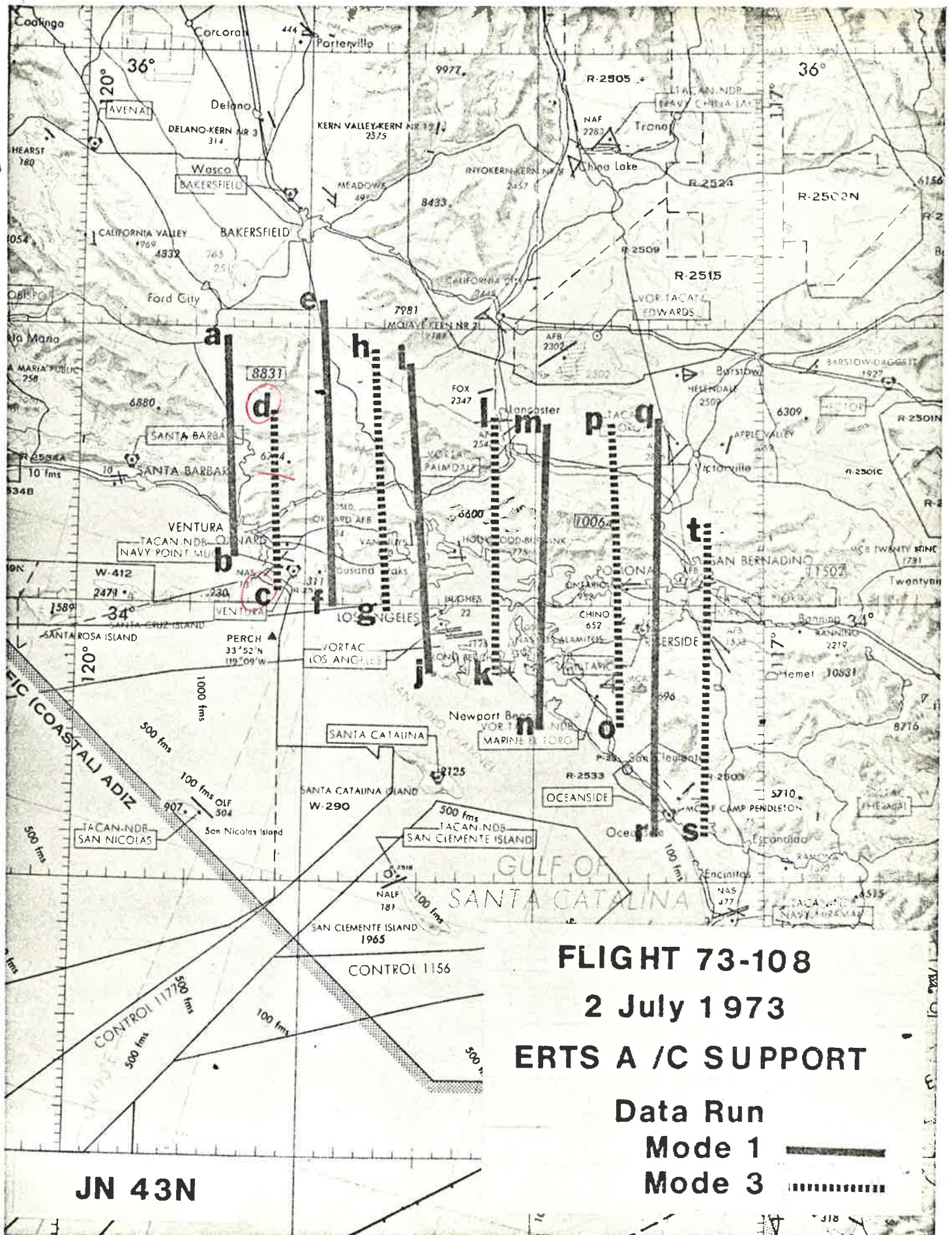
HC-730V



Check Points	Frame Numbers	Time (GMT - hr, min, sec)		Altitude, MSL (feet)	Cloud Cover/Remarks
		START	END		
A-B	005-011	18:39:26	18:44:33	65,000	Clear
C-D	012-016	18:49:22	18:53:29	"	"
E-F	017-026	19:01:45	19:10:14	"	10% smoke, frs. 017,018
G-H	027-035	19:14:18	19:23:29	"	10% scattered clouds, frs. 027,028
I-J	036-046	19:26:33	19:36:48	"	10-20% scattered clouds, frs. 043-046
K-L	047-054	19:41:56	19:49:07	"	Clear
M-N	055-064	19:53:14	20:02:28	"	"
O-P	065-074	20:09:34	20:17:48	"	"
Q-R	075-089	20:22:03	20:36:24	"	"
S-T	090-100	20:40:31	20:50:46	"	"

FLIGHT LINE DATA

FLIGHT NO. 73-108

Check Points	Frame Numbers	Time (GMT—hr, min, sec)		Altitude, MSL (feet)	Cloud Cover/Remarks	
		START	END			
HC730R	A-B	0007-0012	18:39:37	18:45:44	65,000	20% cloud cover
	C-D	0013-0017	18:50:36	18:54:42	"	10% scattered clouds, frs. 0013-0016
	E-F	0018-0027	19:01:16	19:10:36	"	20% cloud cover
	G-H	0028-0036	19:15:15	19:24:49	"	20% scattered clouds, frs. 0028,0029;10% haze
	I-J	0037-0047	19:27:54	19:32:11	"	10% smoke, frs. 0037,0038; 10-20% scattered clouds, frs. 0043-0047
	K-L	0048-0055	19:42:21	19:49:38	"	10% haze, 10% cloud cover
	M-N	0056-0065	19:54:40	20:02:56	"	20% cloud cover
	O-P	0066-0075	20:09:04	20:19:21	"	10% cloud cover
	Q-R	0076-0090	20:23:35	20:37:00	"	20% cloud cover
	S-T	0091-0101	20:41:09	20:51:37	"	20% cloud cover
HR 732	A-B	0002-0076	18:39:27	18:46:44	65,000	Clear
	E-F	0077-0193	19:03:37	19:12:30	"	10% cloud cover, frs. 0180-0192; 10% smoke, frs. 0077-0085
	I-J	0194-0329	19:28:44	19:39:28	"	10-40% scattered clouds, frs. 0290-0329
	M-N	0330-0456	19:54:16	20:05:12	"	Clear
	Q-R	0457-0628	20:24:59	20:38:49	"	"



FLIGHT 73-108
2 July 1973
ERTS A / C SUPPORT
Data Run
Mode 1 
Mode 3 

JN 43N