

OVERSIZE

National Aeronautics and Space Administration

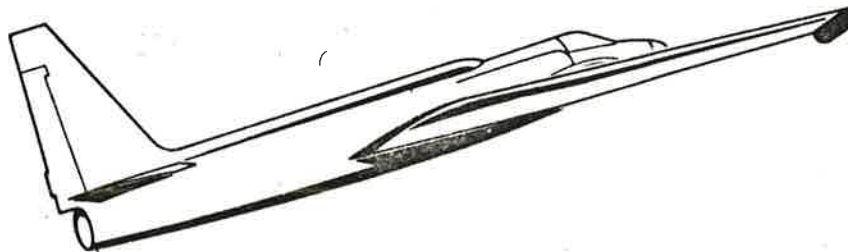
Earth Resources Aircraft Project

Flight Summary Report

Flight No. 73-141

Date 21 August 1973

FSR- 341



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Airborne Science Office

Ames Research Center, Moffett Field, California

22 August 1973

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NASA/ARC Earth Resources Aircraft Project

FLIGHT SUMMARY REPORT

Flight No: 73-141

Date: 21 August 1973

Aircraft No: 5

Julian Date: 233

Sensor Package: A-1 Configuration (vertical cameras only)

Purpose of Flight: Contingency

Requestor: Dr. R.N. Colwell, Univ. of California,
Berkeley, and D.D. Bibles, BLM,
Susanville, California

Area(s) Covered:

Northeastern California and Western Nevada

SENSOR DATA

Accession No:	01333	01334
Sensor ID No:	006	009
Sensor Type:	HC-730V	HR-732
Lens Focal Length:	6"	24"
Film Type:	Aerochrome Infrared, 2443	Aerochrome Infrared, 2443
Spectral Band:	510-900nm	510-900nm
f Stop:	11	9
Shutter Speed:	1/150	1/150
No. of Frames:	96	367
% Overlap	60	60
Quality	Good	Good
Remarks	Due to camera malfunction, frame nos. 0314-0321 were deleted from roll 01334	

FLIGHT SUMMARY

73-141

This is an approved Contingency flight for Dr. R.N. Colwell, University of California, Berkeley which also supports a coverage request by D.D. Bibles, BLM, Susanville, California. The area of coverage comprises an area in Northern California and Western Nevada (see Track Map). Coverage of a forest fire in El Dorado County was obtained on the return to Moffett Field.

The A-1 Configuration camera system (vertical cameras only) was employed for the flight with both cameras carrying color infrared film loads. Some scattered cumulus cloud cover and a band of thin cirrus was encountered on the flight (see Flight Line Data), but the majority of the coverage should be quite useable.

The imagery is of good quality with no major malfunctions noted. The HR-732 camera ran out of film just before the end of the last flight line (see Track Map).

FLIGHT LINE DATA

FLIGHT NO. 73-141

HC-730V

Check Points	Frame Numbers	Time (GMT— hr, min, sec)		Altitude, MSL (feet)	Cloud Cover/Remarks
		START	END		
A-B	002-008	17:43:20	17:49:30	65,000	10% cirrus, fr. 008
C-D	009-016	17:52:24	17:59:35	"	10% cirrus, frs. 009-010
E-F	017-023	18:04:58	18:11:08	"	Thin cirrus, frs. 022,023
G-H	024-032	18:15:02	18:24:15	"	Thin cirrus, frs. 024-027
I-J	033-042	18:29:45	18:39:00	"	10% cumulus, thin cirrus, frs. 037-042
K-L	043-053	18:42:28	18:52:44	"	10% cumulus, thin cirrus, frs. 043-046
M-N	054-064	19:01:30	19:11:45	"	10% cumulus, thin cirrus, frs. 061-063
O-P	065-073	19:21:30	19:29:42	"	10% cumulus, thin cirrus
Q-R	074-079	19:33:27	19:38:35	"	Thin cirrus
S-T	080-086	19:44:27	19:50:36	"	10% cumulus, thin cirrus, frs. 080-083:
U-V	087-094	19:54:01	20:02:13	"	10% cumulus, thin cirrus
W-X	095-097	20:18:39	20:21:42	"	10% cumulus, El Dorado County Fire

FLIGHT LINE DATA

FLIGHT NO. 73-141

HR-732

Check Points	Frame Numbers	Time (GMT—hr, min, sec)		Altitude, MSL (feet)	Cloud Cover/Remarks
		START	END		
A-B	9999-0029	17:42:40	17:49:28	65,000	Clear
C-D	0030-0062	17:53:35	18:01:50	"	10% cirrus, frs. 0030-0033
E-F	0063-0091	18:05:28	18:12:41	"	Thin cirrus, frs. 0086-0091
G-H	0092-0125	18:14:50	18:24:21	"	Thin cirrus
I-J	0126-0164	18:30:06	18:39:54	"	10% cumulus, thin cirrus, frs. 0147-0164
K-L	0165-0210	18:42:35	18:54:13	"	10% cumulus, thin cirrus, frs. 0165-0181
M-N	0211-0255	19:02:15	19:13:36	"	10% cumulus, thin cirrus, frs. 0239-0247
O-P	0256-0289	19:22:36	19:31:07	"	10% cumulus, thin cirrus
Q-R	0290-0313	19:34:07	19:40:02	"	Thin cirrus
Due to camera malfunction, frames 0314-0321 were deleted.					
S-T	0322-0347	19:45:41	19:52:08	"	10% cumulus, thin cirrus, frs. 0322-0334
U-V	0348-0373	19:55:49	20:02:16	"	10% cumulus, thin cirrus

