

UCSB MAP ROOM

**National Aeronautics and Space Administration**

G  
70.4  
F58

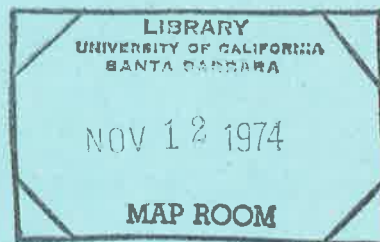
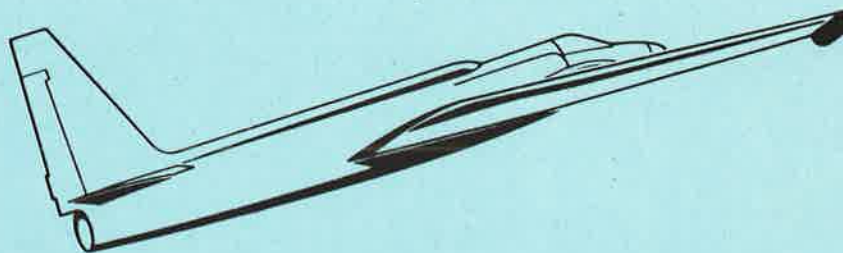
**Earth Resources Aircraft Project**

# **Flight Summary Report**

**Flight No.** 74-005

**Date** 21 January 1974

**FSR- 398**



**Airborne Science Office**

**Ames Research Center, Moffett Field, California**

**NASA/ARC Earth Resources Aircraft Project**  
**FLIGHT SUMMARY REPORT**

Flight No: 74-005

Date: 21 January 1974

Aircraft No: 5

Julian Date: 021

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

Purpose of Flight: Post-flood Damage Assessment  
Requestor: OES, State of California

Area(s) Covered: Northern California

**SENSOR DATA**

Accession No:	01586	01587
Sensor ID No:	006	009
Sensor Type:	HC-730V	HR-732
Lens Focal Length:	6"	24"
Film Type:	Panatomic-X, 3400	Panatomic-X, 3400
Spectral Band:	510-700nm	510-700nm
f Stop:	11	8
Shutter Speed:	1/150	1/250
No. of Frames:	108	225
% Overlap	60	60
Quality	Good	Excellent
Remarks		

## FLIGHT SUMMARY

74-005

This is the first of two flood damage assessment flights (both the same day) over northern California flown at the request of the Office of Emergency Services (OES), State of California.

This flight employed the A-1 Configuration camera system (vertical cameras only) with both 6 and 24-inch focal length cameras loaded with Panatomic-X (3400) film. All imagery is of good or excellent quality with no malfunctions noted. Weather conditions were clear for the flight with only a few minor patches of cumulus or ground fog encountered (see Flight Line Data).

The second flight (73-006) was launched one hour later and employed the A-3 Configuration camera system over the same flight path (refer to FSR 399).

**FLIGHT LINE DATA****FLIGHT NO.** 74-005

HC-730V

Check Points	Frame Numbers	Time (GMT - hr, min, sec)		Altitude, MSL (feet)	Cloud Cover/Remarks
		START	END		
a-b	001-008	17:56:10	18:03:26	65,000	Clear
c-d	009-014	18:08:58	18:14:09	"	"
e-f	015-020	18:23:07	18:29:18	"	"
f-g	021-025	18:30:20	18:34:30	"	"
g-h	026-027	18:35:32	18:36:34	"	"
h-i	028-030	18:37:37	18:39:38	"	"
i-l	031-037	18:40:40	18:46:56	"	10-30% low cloud and fog in valley
l-n	038-043	18:47:58	18:53:13	"	20% low fog in valley, frs. 038-40; rest clear
o-p	044-047	19:02:39	19:05:46	"	Clear
q-r	048-049	19:09:48	19:10:51	"	"
s-t	050-055	19:21:41	19:26:48	"	"
u-v	056-058	19:29:05	19:31:10	"	"
v-w	059-060	19:32:12	19:33:14	"	"
w-x	061-062	19:34:17	19:35:22	"	"
y-z	063-064	19:39:06	19:40:09	"	"
A-B	065-068	19:44:35	19:47:42	"	10% cumulus over Mt. Shasta
C-D	069	19:54:38	-----	"	Clear
E-F	070-073	20:04:27	20:07:32	"	"
G-I	074-077	20:14:04	20:17:11	6 "	"

**FLIGHT LINE DATA****FLIGHT NO.** 74-005

HC-730V

Check Points	Frame Numbers	Time (GMT - hr, min, sec)		Altitude, MSL (feet)	Cloud Cover/Remarks
		START	END		
J-K	078-079	20:25:19	20:26:26	65,000	Clear
K-L	081-096	20:27:24	20:43:58	"	"
M-P	097-099	20:52:10	20:54:14	"	"
Q-R	100-102	21:07:16	21:09:20	"	"
R-S	103-108	21:10:22	21:14:34	"	"

## FLIGHT LINE DATA

**FLIGHT NO.** 74-005

HR-732

Check Points	Frame Numbers	Time (GMT—hr, min, sec)		Altitude, MSL (feet)	Cloud Cover/Remarks
		START	END		
a-b	0004-0038	17:53:46	18:02:37	65,000	Clear
c-d	0039-0062	18:08:22	18:14:20	"	"
e-f	0063-0086	18:22:30	18:28:27	"	"
f-g	0087-0108	18:28:42	18:34:10	"	"
g-h	0109-0114	18:34:25	18:35:43	"	"
h-i	0115-0122	18:35:58	18:37:47	"	"
j-k	0123-0125	18:40:24	18:40:55	"	40% cumulus cloud cover
m-n	0126-0129	18:50:34	18:51:22	"	Clear
o-p	0130-0145	19:01:00	19:04:52	"	"
q-r	0146-0152	19:09:08	19:10:41	"	"
s-t	0153-0174	19:19:40	19:25:06	"	"
w-x	0175-0181	19:32:53	19:34:27	"	"
A-B	0182-0194	19:42:52	19:46:15	"	10% cumulus over Mt. Shasta
C-D	0195-0199	19:50:24	19:51:26	"	Clear
E-F	0200-0214	20:02:26	20:06:03	"	"
G-H	0215-0219	20:12:53	20:13:56	"	"
J-K	0220-0222	20:24:38	18:25:10	"	"
M-O	0223-0225	20:49:28	20:50:58	"	"
S-T	0226-0228	21:12:45	21:12:52	"	"

