

**National Aeronautics and Space Administration**

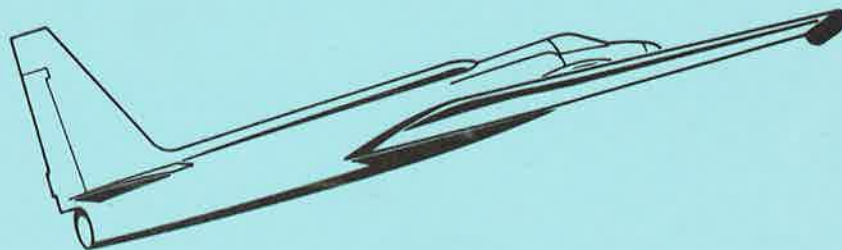
**Airborne Instrumentation Research Project**

**Flight Summary Report**

**Flight No.** 75-170

**Date** 30 September 1975

**FSR- 743**



**Data Research and Management Branch**

**Applications Division**

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

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# NASA / ARC Airborne Instrumentation Research Project

## FLIGHT SUMMARY REPORT No. 743

Flight No: 75-170

Date: 30 September 1975

Aircraft No: 4

Julian Date: 273

Sensor Package: Dual RC-10

Purpose of Flight: #2319B Support (LANDSAT)  
Requestor: Brown

Area(s) Covered: Greater San Francisco Bay Area,  
California

### SENSOR DATA

Accession No:	02233	02234
Sensor ID No:	033	036
Sensor Type:	RC-10	RC-10
Focal Length:	6" 153.17mm	6" 153.19mm
Film Type:	Aerial Color, S0-242	Aerochrome Infrared, 2443
Filtration:	2.2 AV	WRATTEN 12 + 2.2 AV
Spectral Band:	400-700nm	510-900nm
f Stop:	5.6	5.6
Shutter Speed:	1/125	1/375
No. of Frames:	70	69
% Overlap:	60	60
Quality:	Excellent	Excellent
Remarks:	LED Failure	LED Failure

## FLIGHT SUMMARY

75-170

This is a LANDSAT Follow-on flight in support of Flight Request #2319B (Brown, Department of Water Resources) under the FY 1976 Airborne Instrumentation Research Program (AIRP) plan. The flight provides photographic coverage over the Greater San Francisco Bay Area of California (see Track Map).

The majority of the area was clear except for some minor cumulus over the bay and heavy fog along the Pacific coast. An intervalometer malfunction after the first flight line resulted in inconsistent forward overlap and loss of the data annotation block on the imagery. Subsequent times listed in the Flight Line Data were approximated from the pilot's flight log. The imagery is of excellent quality with no other camera or processing malfunctions noted.

# FLIGHT LINE DATA

FLIGHT NO. 75-170

Check Points	Frame Numbers	**Time (GMT— hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks	
		START	END			
RC-10 #033	a-b	2500-2511	19:22:21	19:32:53	65,000/19800	Clear
	c-d	2512-2525	19:36:00	19:46:30	"	"
	e-f	2526-2539	19:50:00	20:00:30	"	"
	g-h	2540-2557	20:04:00	20:14:30	"	Light cumulus over SF Bay, frs. 2544-2548
	i-j	2558-2569	20:18:30	20:28:00	"	Heavy coastal fog, frs. 2562-2569
RC-10 #036	a-b	3342-3353	19:22:21	19:32:53	"	Clear
	c-d	3354-3367	19:36:00	19:46:30	"	"
	e-f	3368-3380	19:50:00	20:00:30	"	"
	g-h	3381-3398	20:04:00	20:14:30	"	Light cumulus over SF Bay, frs. 3385-3389
	i-j	3399-3410	20:18:30	20:28:00	"	Heavy coastal fog, frs. 3403-3410
**LED MALFUNCTION AFTER FIRST FLIGHT LINE TIMES APPROXIMATED FROM PILOT'S LOG						



ONC-G18

