

R-FLASA/FSR-138

National Aeronautics and Space Administration

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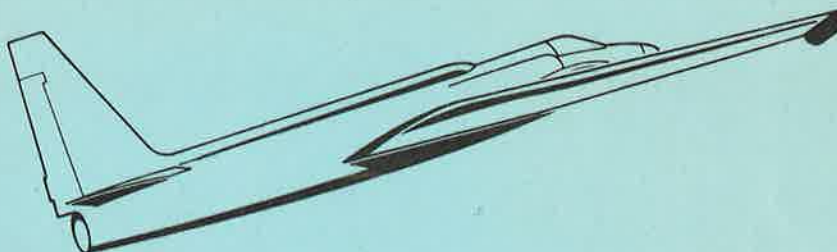
Earth Resources Aircraft Project

Flight Summary Report

Flight No. 72-127

Date 27 July 1972

FSR- 138



Airborne Science Office

Ames Research Center, Moffett Field, California

2 August 1972

NASA/ARC Earth Resources Aircraft Project

FLIGHT SUMMARY REPORT

Flight No: 72-127

Date: 27 July 1972

Aircraft No: 5

Julian Date: 209

Sensor Package: Vinten System A/RC-10

Purpose of Flight: ERTS-A Aircraft Support
 Proposal Nos. 027, 317

SENSOR DATA

Accession No:	00561	00562	00563	00564	00565
Sensor ID No:	001	002	003	004	017
Sensor Type:	Vinten	Vinten	Vinten	Vinten	RC-10
Lens Focal Length:	1-3/4"	1-3/4"	1-3/4"	1-3/4"	6"
Film Type:	Plus X, 2402	Plus X, 2402	Infrared Aerographic, 2424	Aerochrome Infrared, 2443	Aerochrome Infrared, 2443
Spectral Band:	475-575nm	580-680nm	690-760nm	510-900nm	510-900nm
f Stop:	13.5	13.5	9.5	13.5	8.0
Shutter Speed:	1/250	1/250	1/250	1/250	1/500
No. of Frames:	112	112	112	112	98

PREVIOUS COVERAGE

N/A

FLIGHT SUMMARY

72-127

This is an ERTS-A Aircraft Support flight combining data requirements for Proposals 027 (Hall) and 317 (Colwell). The areas of coverage consist of the Sierra Nevada Mountains around Yosemite N.P., and the Sacramento-San Joaquin Delta (see Track Map). Two additional flight lines were added at the end of the flight over the San Francisco Bay area to provide color calibration and comparison with a simultaneous orbital pass of ERTS-A.

Except for the usual coastal fog around the Golden Gate, all flight lines were cloud-free. The imagery is of very good quality, with the RC-10 color infrared imagery having excellent color balance and saturation.

FLIGHT LINE DATA

FLIGHT NO. 72-127

VINTEN

Flight Line No.	Check Points	Frame Numbers	Time (GMT - hr, min, sec)		Altitude, MSL (feet)	Weather/ Cloud Cover	Remarks
			START	END			
	A-B	0001-0012	17 32 51	17 41 08	65,000	Clear	
	C-D	0013-0023	17 43 58	17 51 50	"	"	
	E-F	0024-0034	17 54 52	18 02 35	"	"	
	G-H	0035-0045	18 05 35	18 13 22	"	"	
	I-J	0046-0057	18 25 55	18 34 36	"	"	
	K-L	0058-0068	18 37 54	18 46 02	"	"	
	M-N	0069-0079	18 48 34	18 56 48	"	"	
	O-P	0080-0090	18 59 38	19 07 52	"	"	
	Q-R	0091-0101	19 14 09	19 22 27	"	"	
	S-T	0102-0112	19 25 12	19 33 29	"	10% frs. 105-107	Coastal fog

FLIGHT LINE DATA

FLIGHT NO. 72-127

RC-10

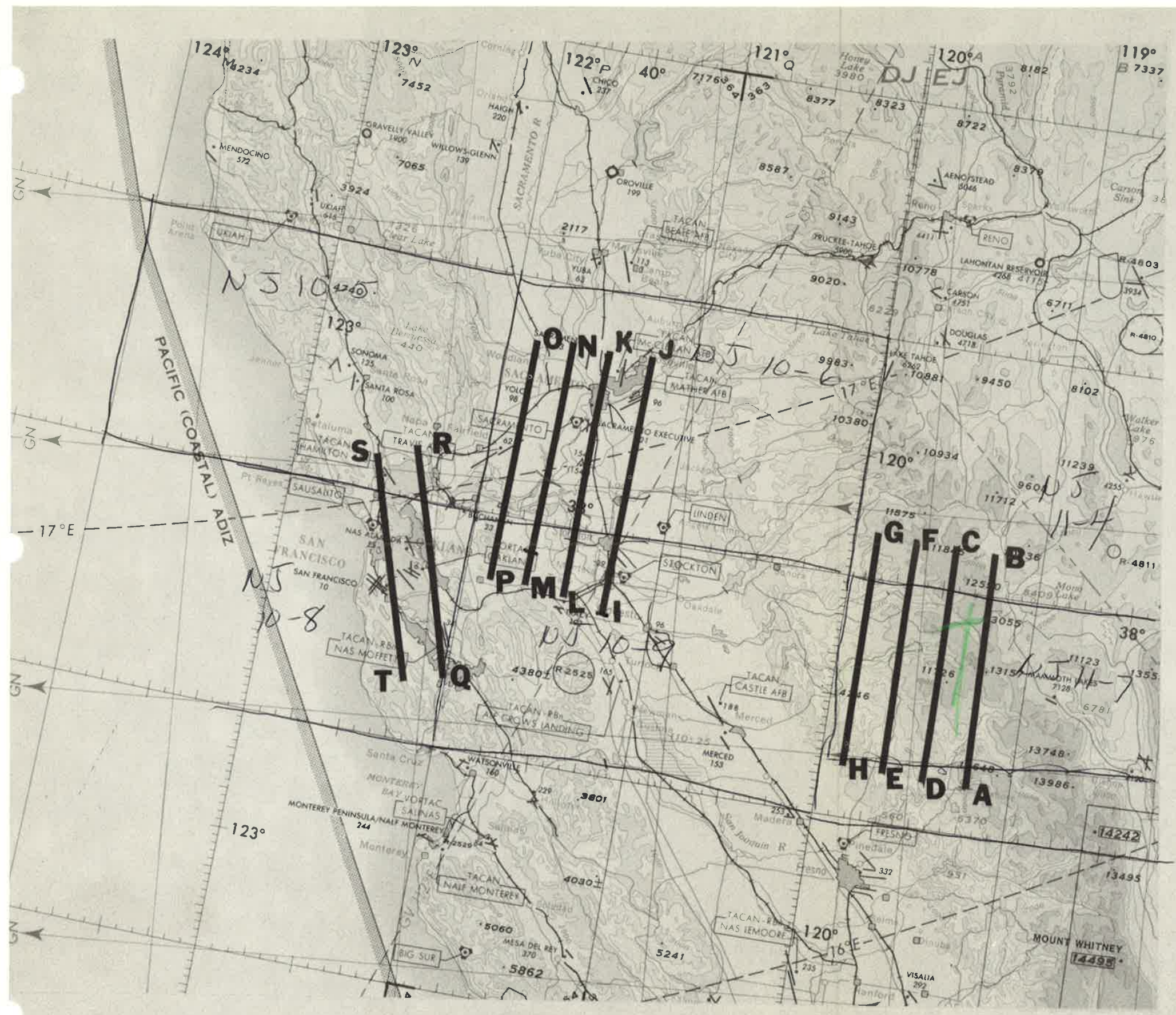
Flight Line No.	Check Points	Frame Numbers	Time (GMT—hr, min, sec)		Altitude, MSL (feet)	Weather/ Cloud Cover	Remarks
			START	END			
	A-B	1921-1930	17 34 35	17 41 49	65,000	Clear	
	C-D	1931-1939	17 44 42	17 52 34	"	"	
	E-F	1940-1949	17 50 17	18 03 19	"	"	
	G-H	1950-1958	18 05 20	18 14 06	"	"	
	I-J	1959-1968	18 26 40	18 35 20	"	"	
	K-L	1969-1978	18 38 38	18 46 46	"	"	
	M-N	1979-1988	18 49 19	18 57 33	"	"	
	O-P	1989-1998	19 00 22	19 08 36	"	"	
	Q-R	1999-2008	19 14 54	19 23 12	"	"	
	S-T	2009-2018	19 26 56	19 34 15	"	10-20% frs. 2011-2014	Coastal fog

FLIGHT 72-127
27 July 1972

ERTS A/C Support
FLIGHT

Data run
Vinten / RC-10

JN 44N



NS 10-5, 10-6, 10-8, 10-9, 11-4, 11-7