

National Aeronautics and Space Administration

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Earth Resources Aircraft Project

Flight Summary Report

Flight No. 75-065

Date 12 May 1975

FSR- 642



Airborne Science Office

Ames Research Center, Moffett Field, California

NASA/ARC Earth Resources Aircraft Project

FLIGHT SUMMARY REPORT

FSR:642

Flight No: 75-065

Date: 12 May 1975

Aircraft No: 5

Julian Date: 132

Sensor Package: I²S Multispectral Camera

Purpose of Flight: #0331 Support
Requestor: Bryant

Area(s) Covered: Santa Barbara to Los Angeles, California

SENSOR DATA

Accession No:

02116

Sensor ID No:

005

Sensor Type:

I²S

Lens Focal Length:

100mm

Film Type:

Infrared A
Aerographic,
2424

Filtration:

WRATTEN 47 +
IR Blocking
filter

WRATTEN 57 +
IR Blocking
filter

WRATTEN 25 +
IR Blocking
filter

WRATTEN 89B

Spectral Band:

440-560nm

540-620nm

630-700nm

760-910nm

f Stop:

8.0

5.6

5.6

11.0

Shutter Speed:

1/350

1/350

1/350

1/350

No. of Frames:

136

% Overlap:

60

Quality:

Excellent

Remarks:

Light leak,
first 15 frs.

FLIGHT SUMMARY

75-065

This flight supports Flight Request #0331 (Bryant, JPL) under the CY 1975 Earth Observations Aircraft Program (EOAP) plan. The flight provides I²S multispectral data over the Los Angeles basin in southern California (see Track Map).

The Los Angeles area was clear except for heavy cloud cover over the Pacific coast. A light leak resulted in partial fogging of the first fifteen frames of the imagery. The imagery is rated excellent with no other camera or processing malfunctions noted.

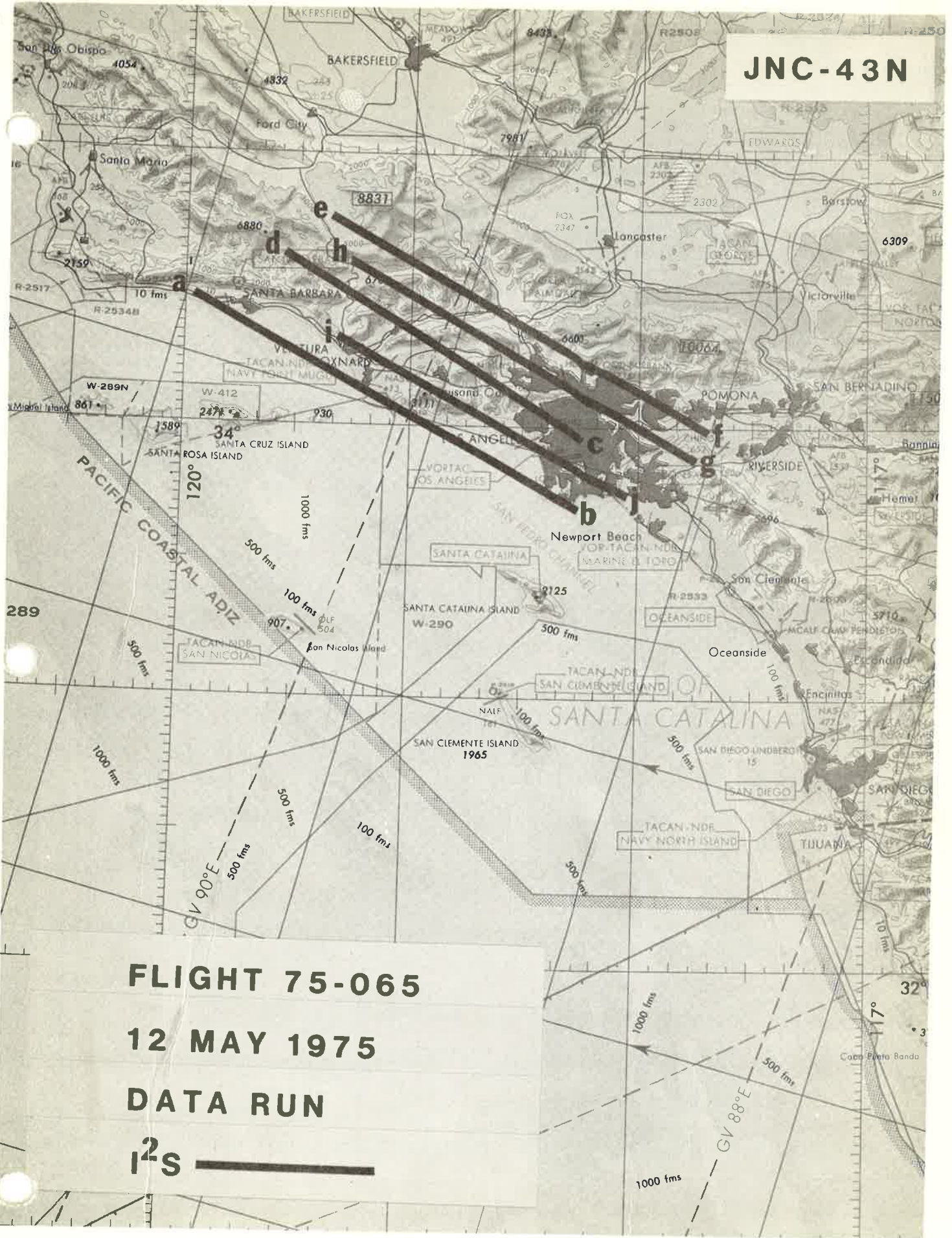
FLIGHT LINE DATA

FLIGHT NO. 75-065

I²S

Check Points	Frame Numbers	Time (GMT - hr, min, sec)		Altitude, MSL (feet)	Cloud Cover/Remarks
		START	END		
a-b	0001-0040	18:43:46	18:58:51	65,000	Heavy cloud cover, frs. 0016-0040 (coastline)
c-d	0041-0061	19:03:58	19:14:30	"	Clear
e-f	0062-0086	19:18:14	19:31:40	"	Clear
g-h	0087-0110	19:37:08	19:49:56	"	Clear
i-j	0111-0136	19:54:19	20:05:13	"	Heavy cloud cover over coastline

JNC-43N



FLIGHT 75-065

12 MAY 1975

DATA RUN

12S 