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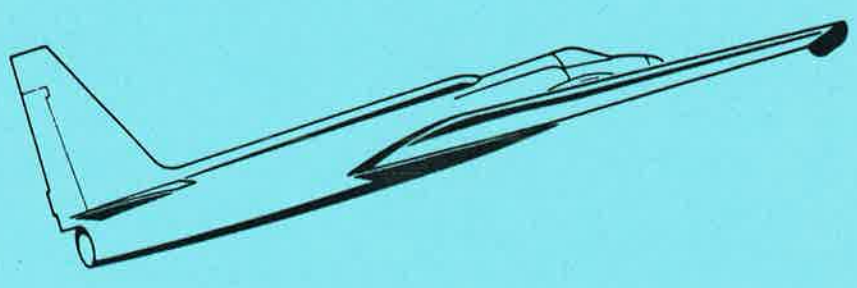
Airborne Instrumentation Research Project

Flight Summary Report

Flight No. 86-066

Date 24 February 1986

FSR-



NASA
National Aeronautics and
Space Administration

Ames Research Center
Moffett Field, California 94035

Airborne Missions and Applications Division

FLIGHT SUMMARY REPORT

Flight No: 86-066

Date: 24 February 1986

Julian Date: 055

Sensor Package: A-3 Configuration

Aircraft No: 709

Purpose of Flight: #2027 Support
Requestor: Medigovich

Area(s) Covered: Russian River, Napa River, San Lorenzo River and Sacramento Valley, California

SENSOR DATA

Accession No:	03558	03559	03560
Sensor ID No:	018	019	020
Sensor Type:	HR-732	HR-732	HR-732
Focal Length:	24" 609.6mm	24" 609.6mm	24" 609.6mm
Film Type:	Panatomic X, 3400	Aerial Color, SO-242	High Definition Aerochrome Infrared SO-131
Filtration:	Wratten 12	None	None
Spectral Band:	510-700nm	400-700nm	510-900nm
f Stop:	8	8	8
Shutter Speed:	1/75	1/75	1/75
No. of Frames:	583	583	583
% Overlap:	60	60	60
Quality:	Excellent	Excellent	Excellent

Remarks:

FLIGHT SUMMARY

86-066

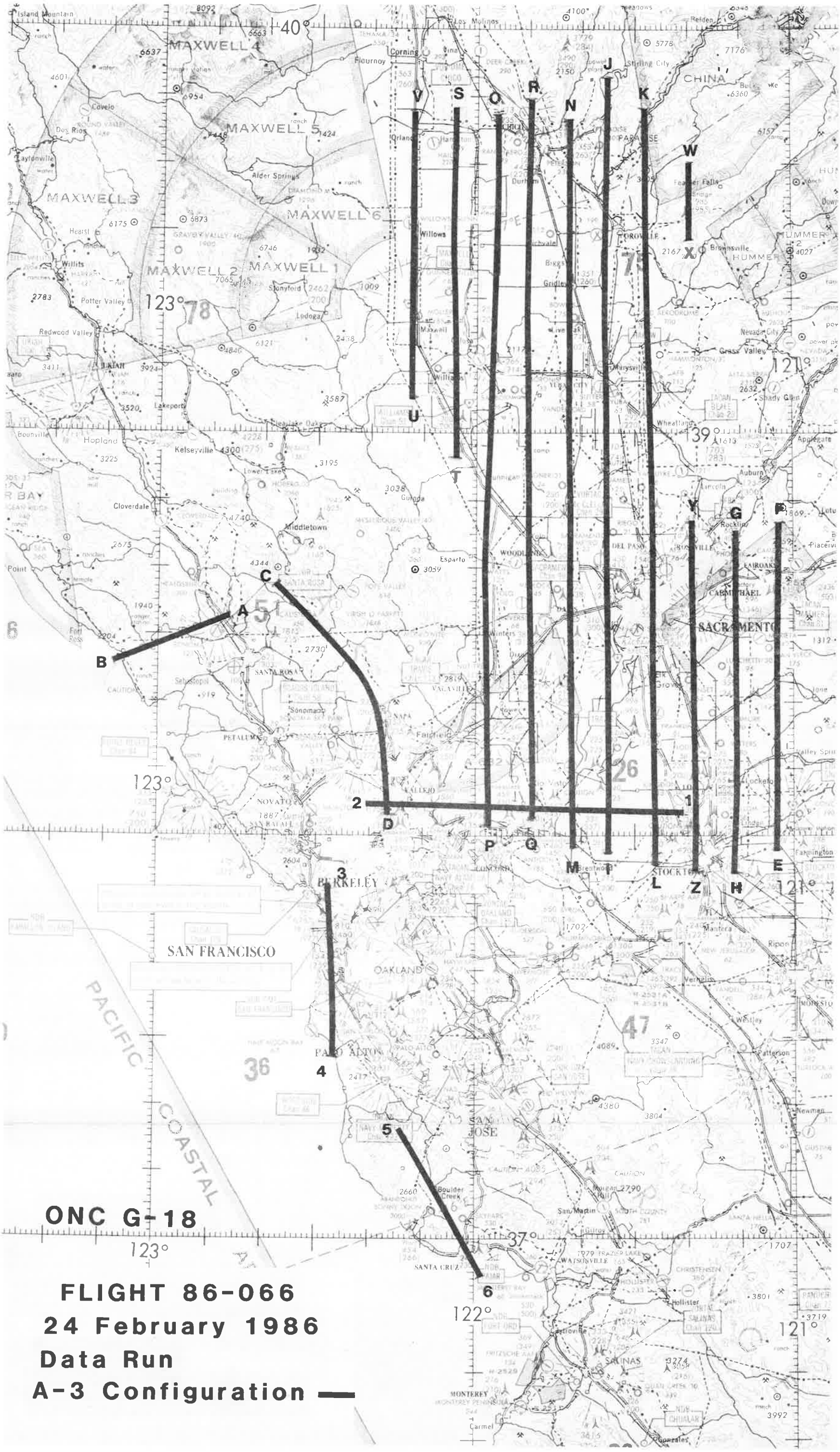
This flight was flown in support of Flight Request #2027 (Medigovich, State of California/Office of Emergency Services) under the FY 1986 Airborne Instrumentation Research Program (AIRP) plan. A-3 configuration photographic data was acquired over the Sacramento Valley, Russian River, Napa River and San Lorenzo River in northern California (see Track Map) in support of flood damage assessment.

Minor scattered cumulus cloud cover was encountered throughout the flight. Because of extensive valley fog which dissipated as the flight progressed, the flight lines were flown in a manner which maximized the progressive burnoff of of the clouds.

No camera or processing malfunctions were noted and the quality of the data is rated excellent.

CAMERA FLIGHT LINE DATA
FLIGHT NO. 86-066

Check Points	Frame Numbers	Time (GMT—hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A-B	0001-0011	19:02:00	19:04:29	65000/19800	coastal fog frames 0010, 0011
C-D	0012-0034	19:11:45	19:17:12	"	clear
E-F	0035-0061	19:28:14	19:34:39	"	minor cumulus frames 0051-0054
G-H	0062-0090	19:40:04	19:46:59	"	moderate to minor cumulus, frames 0062-0081
I-J	0091-0161	19:57:36	20:14:51	"	clear
K-L	0162-0228	20:19:56	20:36:10	"	minor cumulus frames 0221-0224
M-N	0229-0295	20:39:33	20:55:45	"	minor cumulus frames 0229-0232; 0268-0276
O-P	0296-0359	20:58:45	21:14:13	"	minor cumulus frames 0356-0358
Q-R	0360-0426	21:18:51	21:34:47	"	minor cumulus frames 0360-0363; 0369-0371; 0390-0395; 0401-0404
S-T	0427-0455	21:37:39	21:44:31	"	clear
U-V	0456-0481	21:49:37	21:55:44	"	clear
W-X	0482-0491	22:03:55	22:06:04	"	clear
Y-Z	0492-0525	22:12:22	22:20:25	"	minor cumulus frames 0516-0525
1-2	0526-0554	22:24:43	22:31:34	"	minor cumulus frames 0526-0540
3-4	0555-0568	22:34:27	22:37:38	"	coastal fog frames 0555-0568
5-6	0569-0583	22:40:32	22:43:58	"	clear


MAXWELL 4
MAXWELL 5
MAXWELL 3
MAXWELL 6
MAXWELL 2
MAXWELL 1
CHINA
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OAKLAND
BERKELEY
SAN JOSE
PACIFIC
COASTAL
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122°
121°
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39°
38°
37°
36°
ONC G-18
FLIGHT 86-066
24 February 1986
Data Run
A-3 Configuration —