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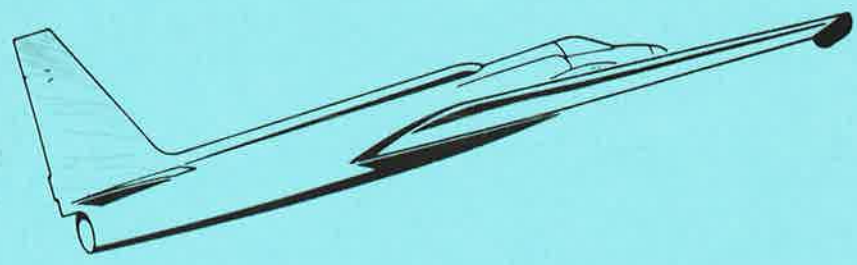
Airborne Instrumentation Research Project

Flight Summary Report

Flight No. 80-078

Date 19 June 1980

FSR- 1424



NASA

National Aeronautics and
Space Administration

Ames Research Center
Moffett Field, California 94035

Airborne Missions and Applications Division

FLIGHT SUMMARY REPORT

Flight No: 80-078

Date: 19 June 1980

FSR No: 1424

Julian Date: 171

Sensor Package: A-4 Configuration

Aircraft No: 5

Purpose of Flight: #0868 Support
Requestor: Weber

Area(s) Covered: Gifford Pinchot National Forest, Washington

SENSOR DATA

Accession No:	02891	02892
Sensor ID No:	035	039
Sensor Type:	RC-10	HR-732
Focal Length:	6" 153.46mm	24" 609.6mm
Film Type:	High Definition Aerochrome Infrared, S0-127	High Definition Aerochrome Infrared, S0-127
Filtration:	CC .20C + 2.2AV	CC .20C
Spectral Band:	510-900nm	510-900nm
f Stop:	4	8
Shutter Speed:	1/110	1/75
No. of Frames:	143	363
% Overlap:	60	60
Quality:	Excellent	Excellent
Remarks:	---	---

Handwritten notes:
9x9
1:130,000
9" x 18"
1:32,500

FLIGHT SUMMARY

80-078

This flight was flown in support of Flight Request #0868 (Weber, USFS) under the FY 1980 Airborne Instrumentation Research Program (AIRP) plan. A-4 configuration data was collected over the Gifford Pinchot National Forest, Washington (see Track Map). Due to film load limitations, the HR-732 camera was operated over a shorter distance on each flight line as depicted on the track map.

The entire area was virtually cloud-free with minor cumulus encountered in isolated areas. Due to the multiple eruptions of Mt. St. Helens and the resulting ash fallout, the reflectance characteristics are biased giving the appearance of poor color balance. In areas of minor ash deposition the color balance appears "normal". The RC-10 lens identification illumination was not functioning, however this does not seriously degrade the imagery. No processing or other camera malfunctions were noted and the quality of the data is rated excellent.

FLIGHT LINE DATA

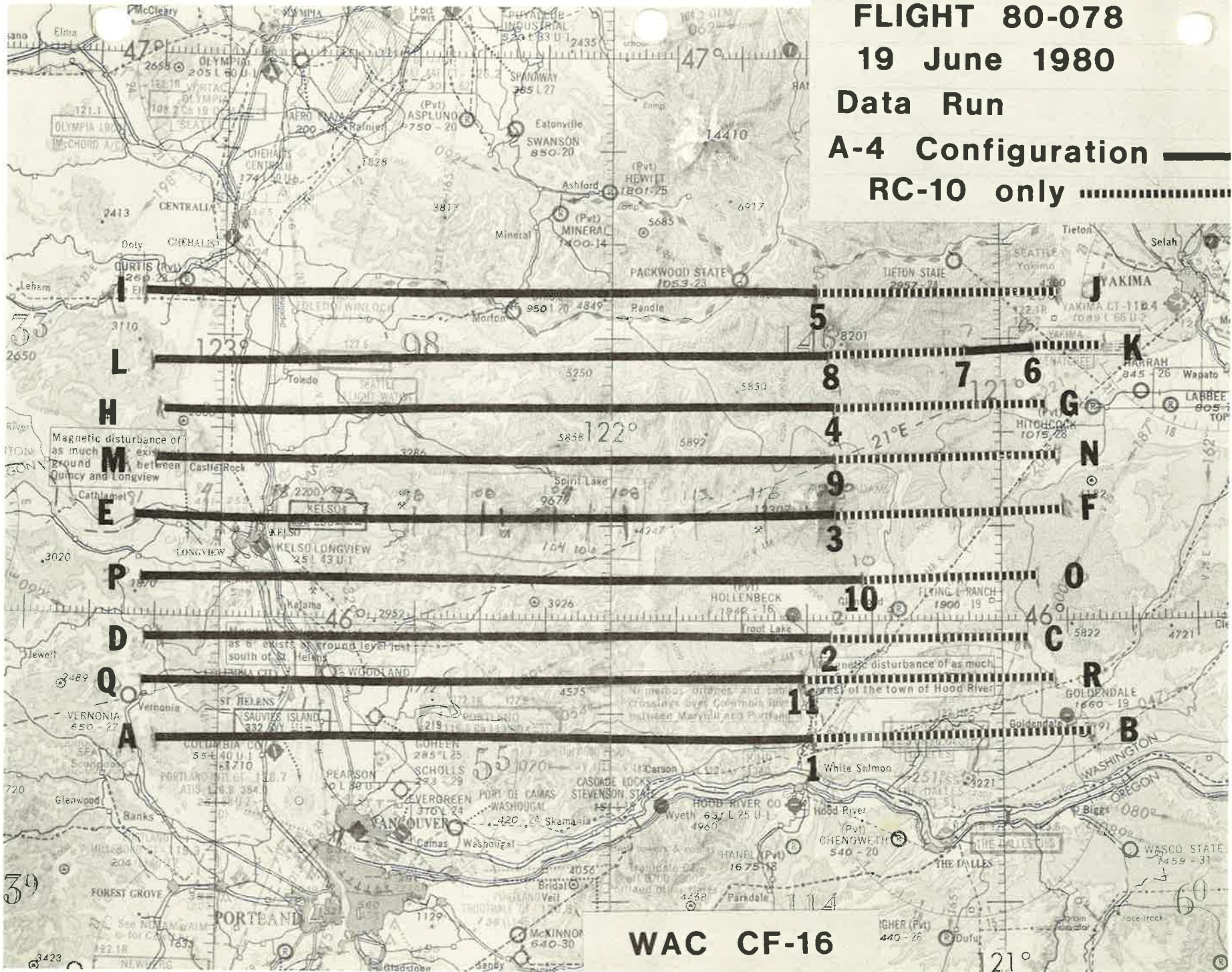
FLIGHT NO. 80-078

Check Points	Frame Numbers	Time (GMT— hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks	
		START	END			
RC-10	A-B	0001-0016	18:20:52	18:33:19	65,000/19800	Minor cumulus, frs. 0006-0007
	C-D	0017-0031	18:37:04	18:48:50	"	Clear
	E-F	0032-0047	18:51:54	19:04:30	"	Minor cumulus, frs. 0046-0047
	G-H	0048-0062	19:07:38	19:19:33	"	Clear
	I-J	0063-0077	19:22:34	19:34:52	"	Minor cumulus, frs. 0074-0077
	K-L	0078-0093	19:40:58	19:53:46	"	Minor cumulus, frs. 0080-0083
	M-N	0094-0108	19:56:54	20:09:21	"	Minor cumulus, frs. 0103-0104, 0106-0108
	O-P	0109-0123	20:12:30	20:24:25	"	Clear
	Q-R	0124-0138	20:27:33	20:40:06	"	Minor cumulus, frs. 0130-0131
---	0139-0143	20:50:30	20:57:04	60,000/18300	Oblique frs. of Mt. St. Helens	
HR-732	A-1	0001-0039	18:21:07	18:30:17	65,000/19800	10% minor cumulus, frs. 0017-0019
	2-B	0040-0080	18:39:57	18:49:10	"	Clear
	E-3	0081-0120	18:52:09	19:01:36	"	"
	4-H	0121-0158	19:10:50	19:19:49	"	"
	I-5	0159-0198	19:22:49	19:32:14	"	"
	6-7	0199-0204	19:42:18	19:43:32	"	"
	8-L	0205-0241	19:45:18	19:54:00	"	"

FLIGHT LINE DATA**FLIGHT NO. 80-078**

Check Points	Frame Numbers	Time (GMT— hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks	
		START	END			
HR-732 (con't)	M-9	0242-0281	19:57:10	20:06:34	65,000/19800	10-20% cumulus, frs. 0278-0281
	10-P	0282-0319	20:15:42	20:24:38	"	Clear
	Q-11	0320-0358	20:27:49	20:37:13	"	10% cumulus, frs. 0341-0344
	---	0359-0363	20:50:45	20:57:19	60,000/18300	Clear; oblique frs. of Mt. St. Helens

FLIGHT 80-078
19 June 1980
Data Run
A-4 Configuration ———
RC-10 only ·····



WAC CF-16