FLIGHT SUMMARY REPORT

Flight Number: 00-008

Calendar/Julian Date: 19 October 1999 • 292

Sensor Package: Wild-Heerbrugg RC-10
Airborne Multi-angle Imaging SpectroRadiometer (AirMISR)
Thematic Mapper Simulator (TMS)
Modis Airborne Simulator (MAS)

Area(s) Covered: Lake Tahoe; Oroville Fire

Investigator(s): Myers, SAIC; Conel, JPL **Aircraft #:** 806

SENSOR DATA

Accession #:	05423	-----	-----	-----
Sensor ID #:	076	120	128	108
Sensor Type:	RC-10	AirMISR	TMS	MAS50
Focal Length:	12” 304.89 mm	-----	-----	-----
Film Type:	Aerochrome IR SO-134	-----	-----	-----
Filtration:	Wratten 12	-----	-----	-----
Spectral Band:	510-900nm	-----	-----	-----
f Stop:	11	-----	-----	-----
Shutter Speed:	1/275	-----	-----	-----
# of Frames:	162	-----	-----	-----
% Overlap:	60	-----	-----	-----
Quality:	Good		Fair	
Remarks:	Subtract 2 seconds for correct UTC			

CAMERA FLIGHT LINE DATA
FLIGHT NO. 00-008

Accession # 05423

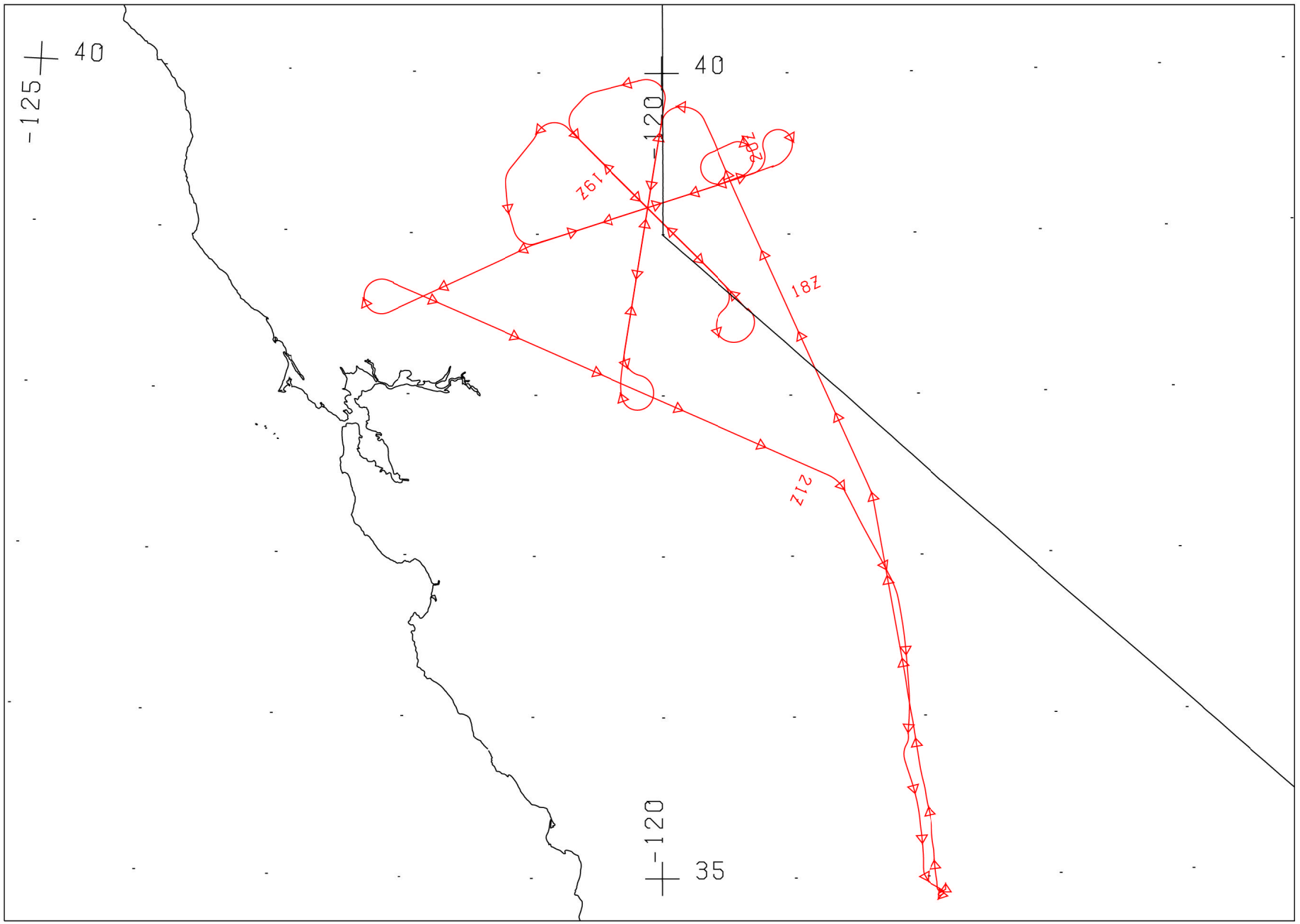
Sensor # 076

Check Points	Frame Numbers	Time (UTC-hr, min, sec) START	Time (UTC-hr, min, sec) END	Altitude, MSL feet/meters	Cloud Cover/Remarks
E - F	3246-3273	18:14:27	18:26:59	61500/18745	Clear
F - E	3274-3298	18:38:26	18:49:32	61300/18684	Clear
G - H	3299-3324	18:58:10	19:09:21	61000/18593	Clear
H - G	3325-3350	19:19:11	19:30:21	61500/18745	Clear
I - J	3351-3355	19:33:38	19:35:06	62000/18898	20-60% smoke
K - C	3356-3381	19:41:43	19:52:52	61800/18837	Clear
C - K	3382-3407	20:09:59	20:21:08	61000/18593	Clear

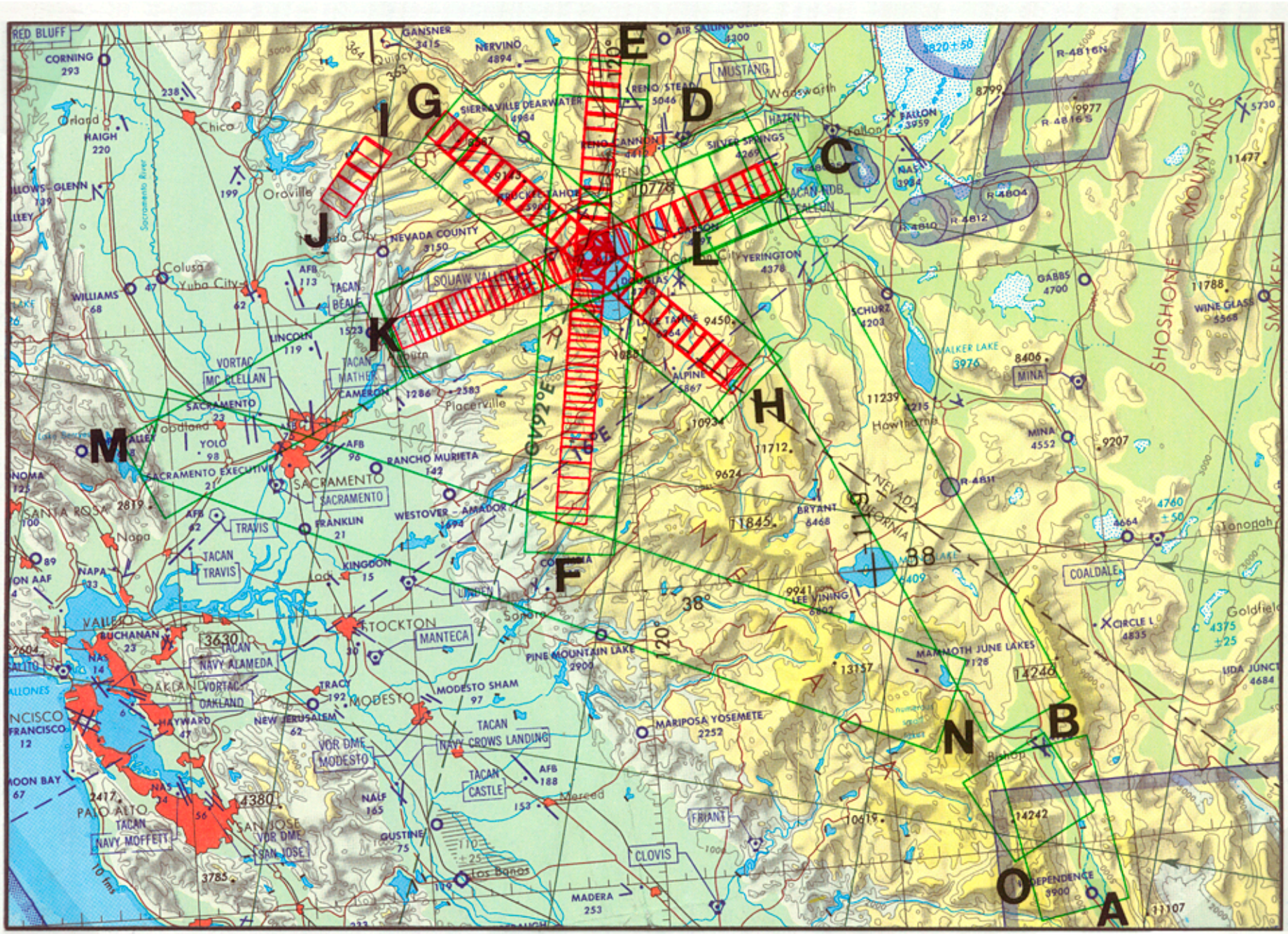
DAEDALUS FLIGHT DATA
FLIGHT NUMBER: 00-008

Check Points	Actual time (GMT) begin	Actual time (GMT) end	Actual scanline begin	Actual scanline end	Altitude feet/meter	ground speed knots/mps	Scan Speed (rps)	total Good scanlines	total Interpolated scanlines	total Repeated scanlines
A-B	17:42:17.0	17:47:46.0	14227	16285	62054/18914	393/197	6.25	2059	0	0
B-C	17:48:41.0	18:06:48.0	16633	23424	65384/19929	408/205	6.25	6792	0	0
C-D	18:06:54.0	18:09:46.0	23459	24538	62747/19125	397/199	6.25	1080	0	0
E-F	18:14:21.0	18:27:07.0	26252	31045	61471/18736	420/211	6.25	4794	0	0
F-E	18:34:17.0	18:49:50.0	33732	39559	61240/18666	399/200	6.25	5828	0	0
G-H	18:58:28.0	19:09:38.0	42797	46988	61025/18600	400/201	6.25	4192	0	0
H-G	19:18:00.0	19:30:44.0	50122	54900	61466/18735	410/206	6.25	4779	0	0
K-C	19:40:28.0	19:53:09.0	58547	63305	61793/18835	404/203	6.25	4759	0	0
C-L	19:59:40.0	20:02:22.0	65745	66761	60962/18581	428/215	6.25	1017	0	0
C-K	20:09:50.0	20:21:46.0	69559	74035	61042/18606	417/209	6.25	4477	0	0
K-M	20:22:03.0	20:30:44.0	74143	77397	61229/18663	404/203	6.25	3255	0	0
M-N	20:35:21.0	21:01:13.0	79127	88827	62851/19157	414/208	6.25	9701	0	0
N-O	21:03:30.0	21:06:23.0	89684	90768	64172/19560	421/211	6.25	1085	0	0

Note: Channel 8 geographically offset 1 sample from other channels.
Channel 9 geographically offset 1 line from other channels.
Soft Focus overall



FLIGHT 00-008 19 OCTOBER 1999 A/C 806 RC-10 / TMS / MAS / AIRMISR


E
G
I
D
C
J
K
L
H
M
F
N
B
O
A
RED BLUFF
CORNING
293
Orland
HAIGH
220
Chico
Oroville
Sacramento River
WILLOWS-GLENN
Colusa
Yuba City
WILLIAMS
68
AFB
113
TACAN
BEALE
NEVADA COUNTY
3150
SQUAW VALLEY
LINCOLN
119
VORTAC
MC CLELLAN
TACAN
MATHER
CAMERON
1286
2583
Placerville
SACRAMENTO
23
Woodland
YOLO
98
AFB
96
RANCHO MURIETA
142
SACRAMENTO EXECUTIVE
21
SACRAMENTO
SANTA ROSA
2819
Napa
AFB
92
TRAVIS
FRANKLIN
21
WESTOVER - AMADOR
694
TACAN
TRAVIS
KINGDON
15
NAPA
323
VALLEJO
BUCHANAN
23
3630
TACAN
NAVY ALAMEDA
NAS
14
OAKLAND
VORTAC
OAKLAND
HAYWARD
47
NEW JERUSALEM
62
TRACY
192
STOCKTON
MANTECA
MODESTO
MODESTO SHAM
97
TACAN
NAVY CROWS LANDING
VOR DME
MODESTO
AFB
188
TACAN
CASTLE
Merced
NALF
165
GUSTINE
75
Los Banos
SAN JOSE
VOR DME
SAN JOSE
4380
PALO ALTO
TACAN
NAVY MOFFETT
2417
3785
10 fms
MADERA
253
CLOVIS
FRIANT
1000
GANSNER
3415
NERVINO
4894
Quincy
SIERRAVILLE DEARWATER
4984
TRUCKEE-TAHOE
6237
9143
RENO STEAD
5046
RENO
10778
RENO-CANNON INT
4415
MUSTANG
Wadsworth
HAZEN
Fallon
SILVER SPRINGS
4269
TACAN NDB
FALLON
NAS
3934
FALLON
3959
8799
9977
R-4816S
R-4816N
R-4804
R-4810
R-4812
11477
5730
SHOSHONE MOUNTAINS
SMOKEY
11788
WINE GLASS
5568
GABBS
4700
SCHURZ
4203
YERINGTON
4378
DOUGLAS
LAKE TAHOE
9450
ALPINE
5867
10934
11712
9624
11845
WALKER LAKE
3976
8406
MINA
11239
4215
Hawthorne
MINA
4552
9207
R-4811
NEVADA
CALIFORNIA
BRYANT
8468
4760
±50
4664
Tonopah
COALDALE
4409
9941
LEE VINING
8942
38°
120°
CIRCLE L
4835
Goldfield
4375
±25
MAMMOTH JUNE LAKES
7128
13157
14246
IDA JUNCT
4684
PINE MOUNTAIN LAKE
2900
MARIPOSA YOSEMITE
2252
Bishop
14242
10619
DEPENDENCE
3900
11107
FLIGHT 00-008
19 OCTOBER 1999
A/C 806
TMS (WIDE FIELD OF VIEW) / RC-10