

FLIGHT SUMMARY REPORT

Flight Number: 94-019
Calendar/Julian Date: 14 December 1993 • 348
Sensor Package: Dual Wild-Heerbrug RC-10
Dual Hycon HR-732
Airborne Ocean Color Imager (AOCI)
Thermal Infrared Multispectral Scanner (TIMS)
Area(s) Covered: Puerto Rico and Virgin Islands
Investigator(s): Joyce, NASA-Stennis; Handley, USFWS; and
Guse, USPS
Aircraft #: 708

SENSOR DATA

Accession #:	04671	04672	04673	04674
Sensor ID #:	076	035	020	039
Sensor Type:	RC-10	RC-10	HR-732	HR-732
Focal Length:	12" 304.89 mm	6" 153.4 mm	24" 609.6 mm	24" 609.6 mm
Film Type:	High Definition Aerochrome IR SO-131	Aerial Color SO-242	High Definition Aerochrome IR SO-131	Aerial Color SO-242
Filtration:	None	2.2 AV	None	None
Spectral Band:	400-700 nm	400-700 nm	510-900 nm	400-700 nm
f Stop:	4	4	8	8
Shutter Speed:	1/200	1/75	1/75	1/75
# of Frames:	75	35	144	87
% Overlap:	60	60	60	60
Quality:	Excellent	Excellent	Excellent	Excellent
Remarks:				

FLIGHT SUMMARY REPORT
94-019

SENSOR DATA continued

Accession #:	----	----
Sensor ID #:	090	086
Sensor Type:	AOCI	TIMS
Focal Length:	----	----
Film Type:	----	----
Filtration:	----	----
Spectral Band:	----	----
f Stop:	----	----
Shutter Speed:	----	----
# of Frames:	----	----
% Overlap:	----	----
Quality:	Excellent	Good
Remarks:		

**CAMERA FLIGHT LINE DATA
FLIGHT NO. 94-019**

Accession # 04671

Sensor # 076

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	0026-0034	13:56:00	13:59:54	65000/19800	10% cumulus (frames 0026-0030)
C - D	0035-0044	14:04:29	14:08:51	"	10-20% scattered cumulus (frames 0035-0044)
E - F	0045-0047	14:17:36	14:18:34	"	40% scattered cumulus (frames 0045-0047)
G - H	0048-0050	14:25:54	14:26:52	"	30-50% scattered cumulus
B - I	0051-0069	14:32:57	14:41:35	"	Minor cumulus (frames 0051-0053 and 0064-0067)
J - K	0070-0094	14:48:27	15:00:19	"	Minor cumulus (frames 0070-0082); 10-30% cumulus (frames 0083-0094)
L - M	0095-0100	15:02:11	15:04:34	"	10-20% scattered cumulus (frames 0095-0100)

**CAMERA FLIGHT LINE DATA
FLIGHT NO. 94-019**

Accession # 04672

Sensor # 035

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	1243-1244	13:57:12	13:58:12	65000/19800	10-20% cloud cover; processing damage severe roller marks (frames 1243-1244)
C - D	1247-1251	14:04:42	14:08:37	"	10-40% scattered cumulus
E - F	1252-1253	14:17:48	14:18:47	"	40% scattered cumulus
G - H	1254-1255	14:26:07	14:27:06	"	40% scattered cumulus
B - I	1256-1264	14:33:09	14:40:59	"	10% cumulus (frames 1256); minor cumulus (frames 1257-1264)
J - K	1265-1277	14:48:40	15:00:34	"	10-50% cumulus (frame 1266-1277)
L	1278-1278	15:02:23	15:02:23	"	10% cumulus

NOTE: FRAMES 1245-1246 REMOVED SEVERE EMULSION DAMAGE

**CAMERA FLIGHT LINE DATA
FLIGHT NO. 94-019**

Accession # 04673

Sensor # 020

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	0001-0017	13:55:58	13:59:54	65000/19800	Light strike (frame 0001); 10-20% cumulus (frames 0001-0008)
C - D	0018-0037	14:04:27	14:09:07	"	Minor cumulus (frames 0018-0022); 10-30% cumulus (frames 0023-0037)
E - F	0038-0042	14:17:33	14:18:32	"	40-50% cumulus
G - H	0043-0048	14:25:52	14:27:05	"	30-50% cumulus
B - I	0049-0084	14:32:54	14:41:25	"	Minor cumulus (frames 0049-0054 and 0076-0080)
K - 1	0085-0119	14:48:25	14:56:40	"	Minor cumulus (frames 0088-0101 and 0103-0113); 10-30% cumulus (frames 0113-0119)
1 - K	0120-0132	14:57:24	15:00:19	"	10-30% cumulus (frames 0120-0131)
L - M	0133-0144	15:02:08	15:04:48	"	Emulsion stain (frames 0143-0144); emulsion scratches (frame 0143); 10-30% cumulus (frames 0133-0144)

**CAMERA FLIGHT LINE DATA
FLIGHT NO. 94-019**

Accession # 04674

Sensor # 039

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
B - I	0001-0027	14:35:12	14:41:31	65000/19800	10% cumulus (frames 0019-0024); severe emulsion damage (frame 0001); intermittent emulsion damage throughout
J - 1	0028-0062	14:48:31	14:56:46	"	10-40% cumulus (frames 0031-0062); intermittent emulsion damage throughout
1 - K	0063-0075	14:57:30	15:00:25	"	10-40% cumulus (frames 0031-0062); intermittent emulsion damage throughout
L - M	0076-0087	15:02:14	15:04:59	"	10-30% cumulus; severe emulsion damage (frame 0076); processing stain (frame 0087)

AOCI SCANNER FLIGHT LINE DATA

FLIGHT NO. 94-019

DAEDALUS FLIGHT DATA FLIGHT NUMBER: 94-019

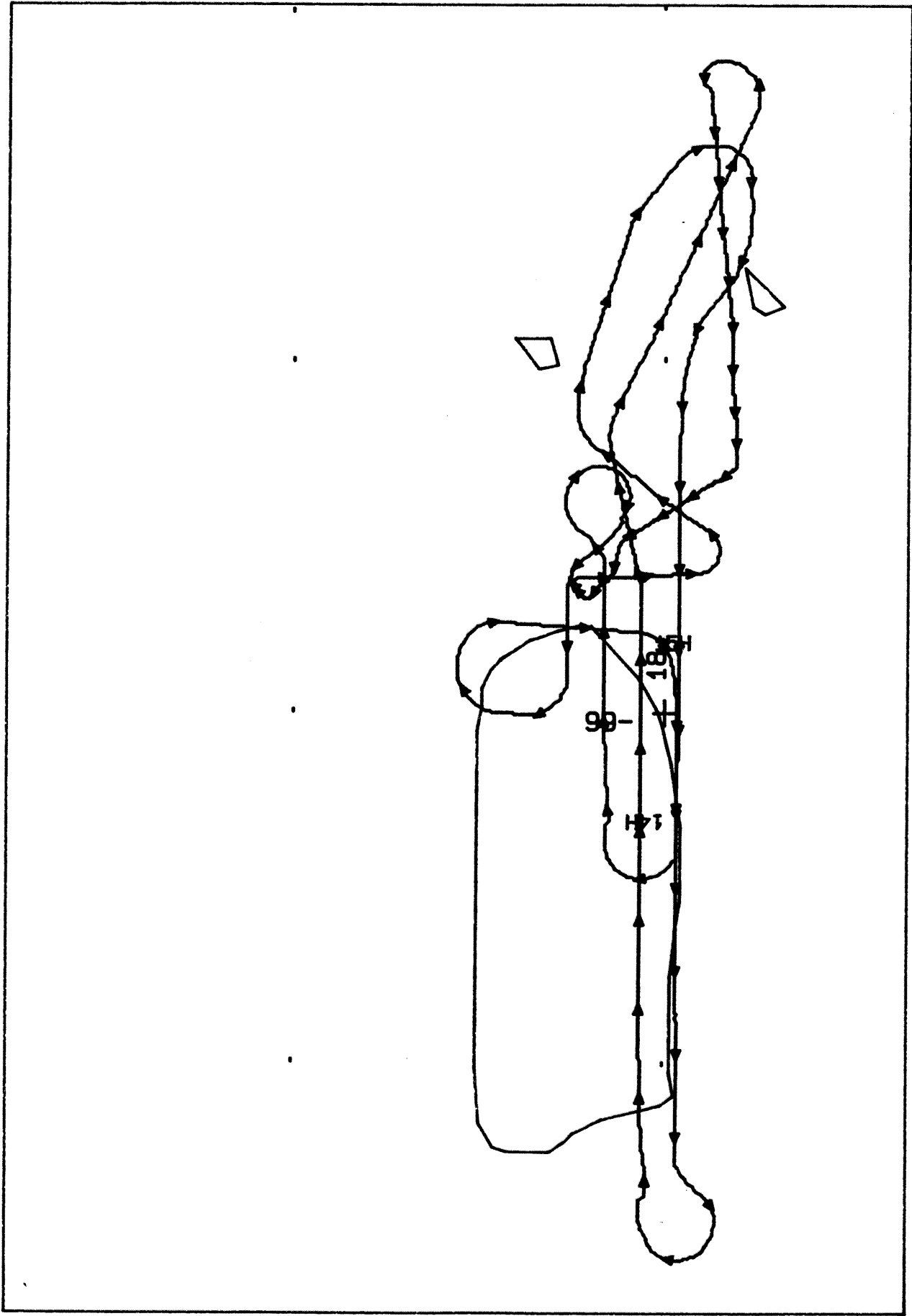
Check Points	A c t u a l t i m e b e g i n	A c t u a l s c a n l i n e b e g i n	A l t i t u d e f e e t / m e t e r	Scan S p e e d (r p s)	t o t a l G o o d s c a n l i n e s	t o t a l I n t e r p o l a t e d s c a n l i n e s	t o t a l R e p e a t e d s c a n l i n e s
A-B	13:54:39.0	14:00:28.0	65000/19812	6.25	2179	0	0
C-D	14:04:25.0	14:09:26.0	65000/19812	6.25	1882	0	0
E-F	14:17:37.0	14:19:12.0	65000/19812	6.25	595	0	0
G-H	14:25:17.0	14:27:55.0	65000/19812	6.25	991	0	0
I-J	14:30:18.0	14:41:23.0	65000/19812	6.25	4159	0	0
K-M	14:47:59.0	15:01:11.0	65000/19812	6.25	4951	0	0
NO	15:01:58.0	15:04:37.0	65000/19812	6.25	991	0	0

TIMS SCANNER FLIGHT LINE DATA

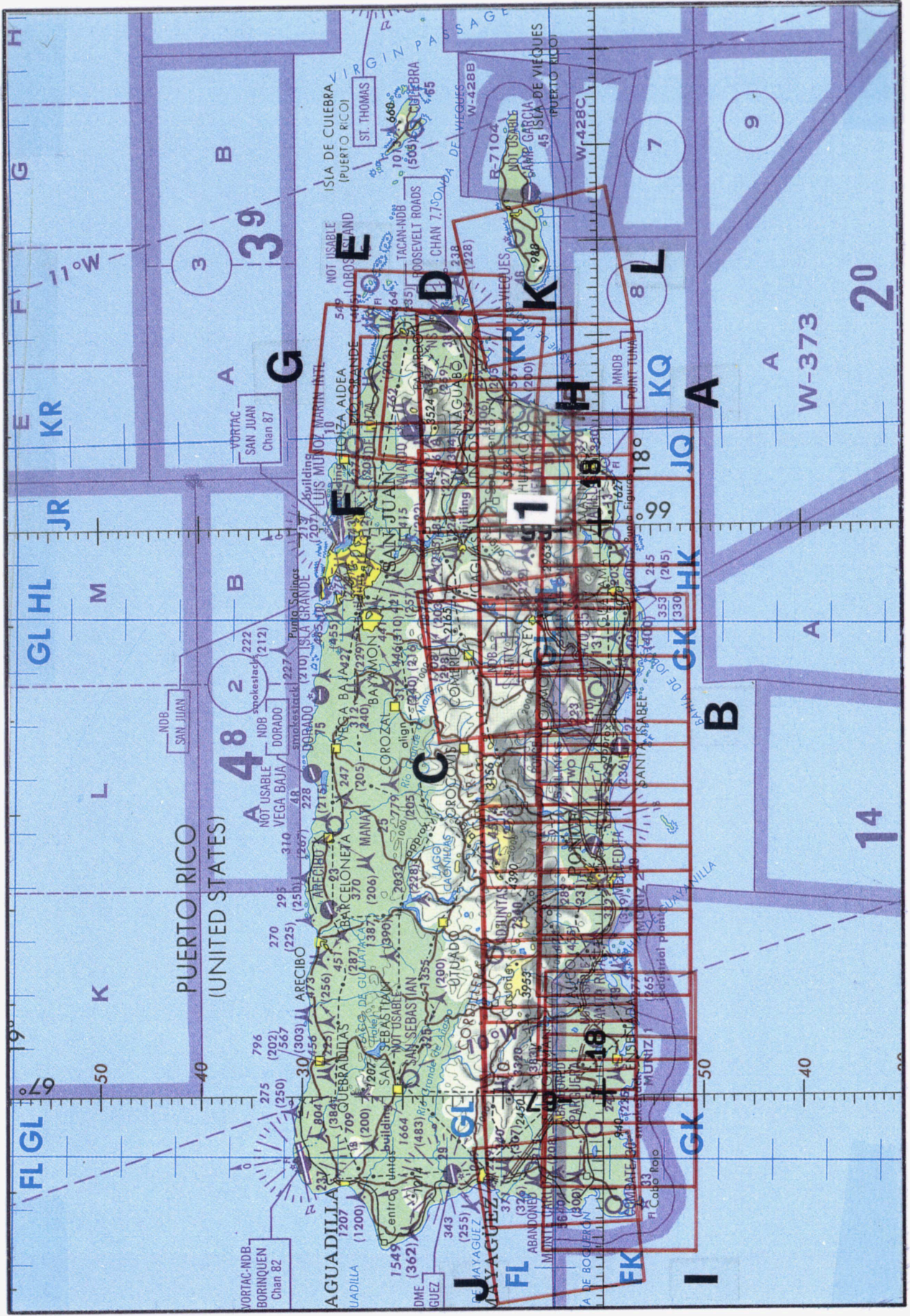
FLIGHT NO. 94-019

TIMS FLIGHT DATA
FLIGHT NUMBER: 94-019

Check Points	A c t u a l t i m e b e g i n	(GMT) e n d	A c t u a l s c a n l i n e b e g i n	e n d	A l t i t u d e f e e t / m e t e r	Scan S p e e d (r p s)	t o t a l G o o d s c a n l i n e s	t o t a l I n t e r p o l a t e d s c a n l i n e s	t o t a l R e p e a t e d s c a n l i n e s
A-B	13:54:31.0	14:00:23.0	15611	18185	65000/19812	7.30	2575	0	0
C-D	14:04:27.0	14:09:25.0	19967	22145	65000/19812	7.30	2179	0	0
E-F	14:17:32.0	14:19:34.0	25709	26600	65000/19812	7.30	892	0	0
G-H	14:25:13.0	14:27:55.0	29075	30263	65000/19812	7.30	1189	0	0
I-J	14:30:11.0	14:41:28.0	31253	36203	65000/19812	7.30	4951	0	0
K-M	14:47:47.0	15:01:06.0	38975	44816	65000/19812	7.30	5841	1	0
N-O	15:01:47.0	15:04:29.0	45113	46301	65000/19812	7.30	1189	0	0



FLIGHT 94-019 14 December 1993 A/C 708 RC-10/Dual1 HR-732 AOCI TINS



FLIGHT 94-019

14 DECEMBER 1993

A/C 708

6" RC-10 / AOCI

UNC J-27

