

FLIGHT SUMMARY REPORT

Flight Number: 94-017
Calendar/Julian Date: 10 December 1993 • 344
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
Aircraft #: 708

SENSOR DATA

Accession #:	04663	04664	04665	04666
Sensor ID #:	076	035	020	039
Sensor Type:	RC-10	RC-10	HR-732	HR-732
Focal Length:	12" 304.89 mm	6" 153.46 mm	24" 609.6 mm	24" 609.6 mm
Film Type:	Aerial Color SO-242	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:	73	39	140	140
% Overlap:	60	60	60	60
Quality:	Excellent	Excellent	Excellent	Excellent
Remarks:				

FLIGHT SUMMARY REPORT

94-017

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. 94-017**

Accession # 04663

Sensor # 076

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	9809-9821	15:24:16	15:30:08	65000/19800	Minor cumulus (frames 9809-9811); 10-20% cumulus (frames 9815-9821)
C - D	9822-9834	15:34:18	15:40:09	"	10-30% cumulus (frames 9823-9825); 10-20% cumulus (frames 9826-9830); minor cumulus (frames 9833-9834)
E - F	9835-9841	15:44:25	15:47:19	"	Minor cumulus (frames 9839-9840); 30% cumulus (frame 9841)
G - H	9842-9851	15:50:45	15:55:06	"	10-40% cumulus (frames 9842-9845)
I - J	9852-9858	15:59:06	16:02:00	"	10-20% cumulus (frames 9852-9854); 10% (frames 9857-9858)
K - L	9859-9867	16:05:38	16:09:29	"	10% cumulus (frames 9859-9862); 10-20% cumulus (frames 9865-9867)
M - N	9868-9874	16:19:38	16:22:30	"	10-20% cumulus (frames 9868-9869); light cumulus (frames 9873-9874)

CAMERA FLIGHT LINE DATA
FLIGHT NO. 94-017

Accession # 04663

Sensor # 076

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
O - P	9875-9879	16:26:13	16:28:08	65000/19800	10% cumulus (frame 9879)
Q - R	9880-9881	16:34:13	16:34:41	"	10-20% cumulus (frames 9880-9881)

**CAMERA FLIGHT LINE DATA
FLIGHT NO. 94-017**

Accession # 04664

Sensor # 035

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	1120-1125	15:25:27	15:30:19	65000/19800	10-30% cumulus
C - D	1126-1132	15:34:28	15:40:20	"	10-40% cumulus
E - F	1133-1136	15:44:34	15:47:30	"	10-20% cumulus (frames 1135-1136)
G - H	1137-1141	15:50:56	15:54:50	"	10-30% cumulus
I - J	1142-1145	15:59:17	16:02:12	"	10-20% cumulus
K - L	1146-1150	16:05:49	16:09:42	"	10-20% cumulus
M - N	1151-1154	16:19:48	16:22:44	"	10-30% cumulus
O - P	1155-1157	16:26:24	16:28:21	"	10-30% cumulus
Q	1158-1158	16:34:23	16:34:23	"	20% cumulus

**CAMERA FLIGHT LINE DATA
FLIGHT NO. 94-017**

Accession # 04665

Sensor # 020

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	0001-0025	15:24:17	15:30:14	65000/19800	10-30% cumulus (frame 0007-00025)
C - D	0026-0050	15:34:18	15:40:13	"	10-30% cumulus (frames 0026-0041)
E - F	0051-0063	15:44:25	15:47:21	"	10-20% cumulus (frames 0059-0063)
G - H	0064-0082	15:50:46	15:55:10	"	10-40% cumulus (frames 0064-0071)
I - J	0083-0096	15:59:07	16:02:17	"	10-30% cumulus (frames 0093-0096)
K - L	0097-0113	16:05:39	16:09:32	"	10-20% cumulus (frames 0097-0103)
M - N	0114-0126	16:19:43	16:22:37	"	10-20% cumulus (frames 0114-0116)
O - P	0127-0136	16:26:14	16:28:24	"	30-40% cumulus (frames 0127-0129); 10% cumulus (frames 0134-0136)
Q - R	0137-0140	16:34:18	16:35:01	"	Emulsion damage (frame 0140); 10-20% cumulus (frames 0137-0139)

**CAMERA FLIGHT LINE DATA
FLIGHT NO. 94-017**

Accession # 04666

Sensor # 039

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - B	0001-0025	15:24:21	15:30:18	65000/19800	10-30% cumulus (frames 0007-0025)
C - D	0026-0050	15:34:23	15:40:17	"	10-30% cumulus (frames 0026-0041)
E - F	0051-0063	15:44:29	15:47:25	"	10-20% cumulus (frames 0059-0063)
G - H	0064-0082	15:50:51	15:55:14	"	10-40% cumulus (frames 0064-71)
I - J	0083-0096	15:59:11	16:02:21	"	10-20% cumulus (frames 0093-0096)
K - L	0097-0113	16:05:43	16:09:36	"	10-20% cumulus (frames 0097-0103)
M - N	0114-0126	16:19:47	16:22:41	"	10-20% cumulus (frames 0114-0116)
O - P	0127-0136	16:26:18	16:28:29	"	10-20% cumulus (frames 0134-0136); 30-40% cumulus (frames 0127-0129)
Q - R	0137-0140	16:34:22	16:35:05	"	Emulsion damage (frame 0140); 10-20% cumulus (frames 0137-0139)

AOCI SCANNER FLIGHT LINE DATA

FLIGHT NO. 94-017

DAEDALUS FLIGHT DATA
FLIGHT NUMBER: 94-017

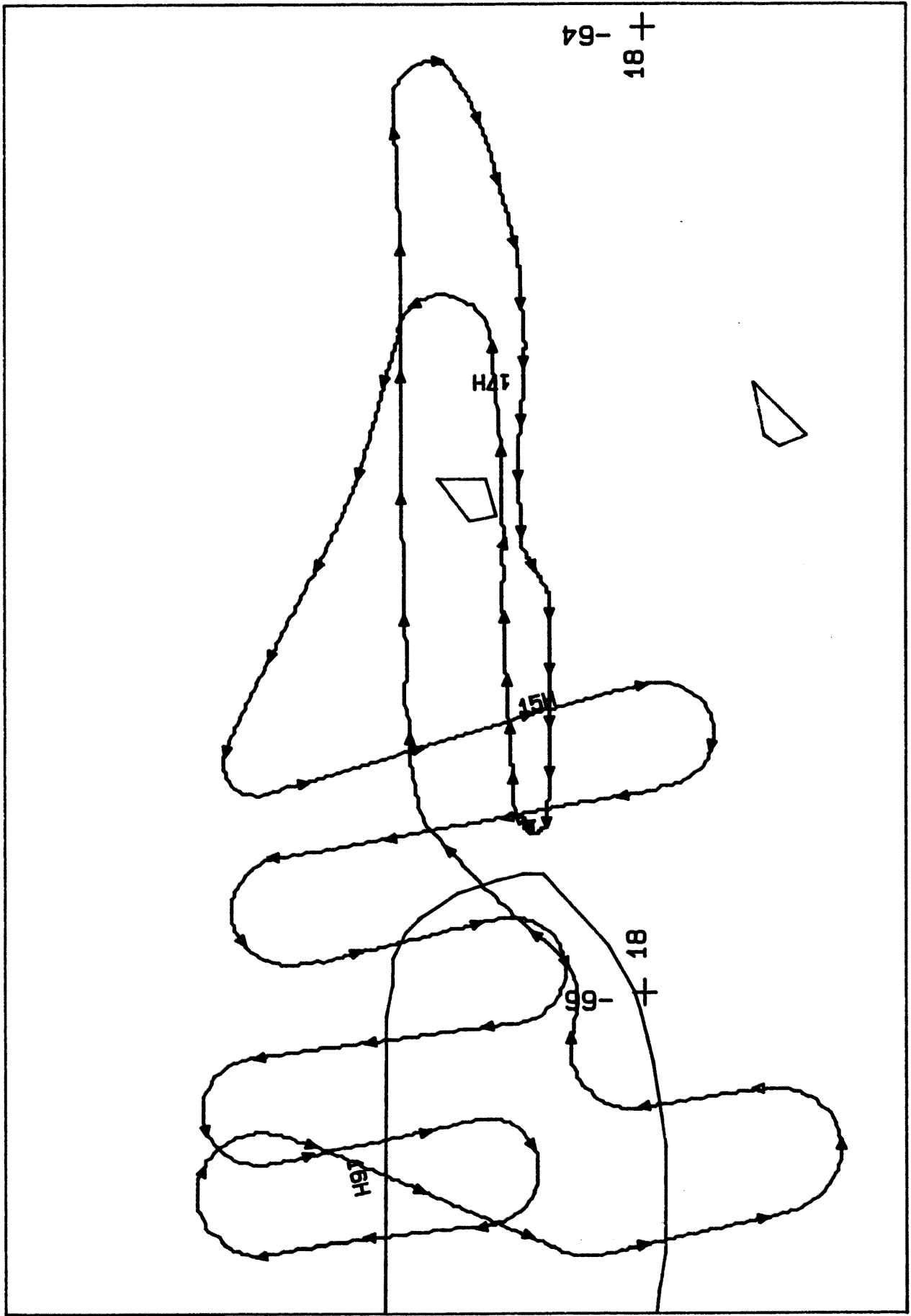
Check Points	A c t u a l t i m e b e g i n e n d	A c t u a l s c a n l i n e b e g i n e n d	A l t i t u d e f e e t / m e t e r	Scan S p e e d (rps)	t o t a l G o o d s c a n l i n e s	t o t a l I n t e r p o l a t e d s c a n l i n e s	t o t a l R e p e a t e d s c a n l i n e s
A-B	15:24:10.0 15:30:25.0	12103 14303	65000/19812	6.25	2189	0	12
C-D	15:34: 6.0 15:40:37.0	15603 17903	65000/19812	6.25	2301	0	0
E-F	15:44:18.0 15:47: 7.0	19203 20203	65000/19812	6.25	1001	0	0
G-H	15:50:48.0 15:55:20.0	21503 23103	65000/19812	6.25	1601	0	0
I-J	15:59: 1.0 16:02: 7.0	24403 25503	65000/19812	6.25	1101	0	0
K-L	16:06: 5.0 16:09:29.0	26903 28103	65000/19812	6.25	1201	0	0
M-N	16:19:39.0 16:22:28.0	31701 32701	65000/19812	6.25	1001	0	0
O-P	16:26:43.0 16:28:24.0	34201 34801	65000/19812	6.25	601	0	0
Q-R	16:32:39.0 16:34:54.0	36301 37101	65000/19812	6.25	801	0	0

TIMS SCANNER FLIGHT LINE DATA

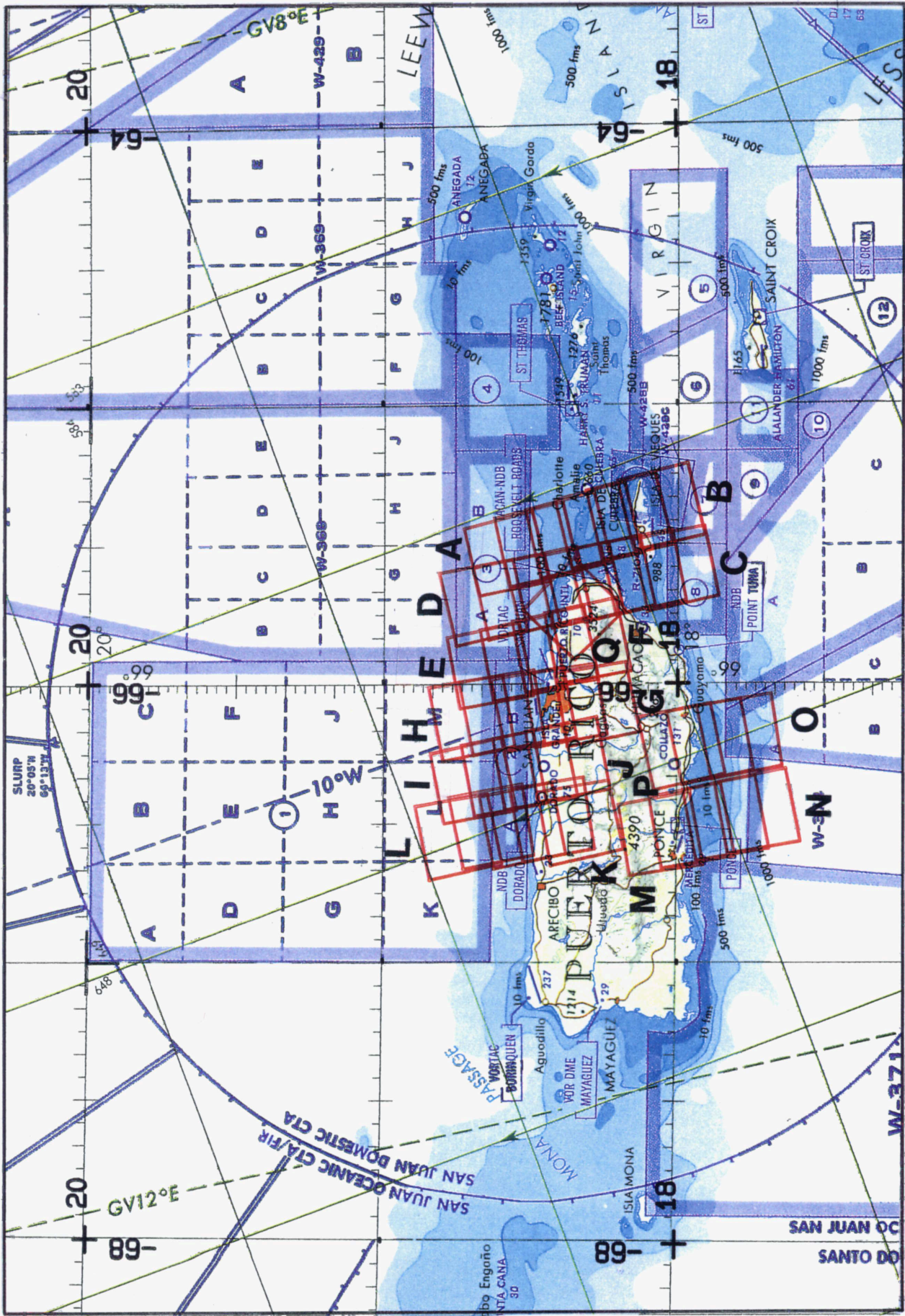
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TIMS FLIGHT DATA
FLIGHT NUMBER: 94-017

Check Points	A c t u a l t i m e b e g i n (GMT)	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	S c a n 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	15:24:09.0	15:30:28.0	65000/19812	7.30	2773	0	0
C-D	15:34:05.0	15:40:38.0	65000/19812	7.30	2872	0	0
E-F	15:44:14.0	15:47:11.0	65000/19812	7.30	1288	0	0
G-H	15:50:47.0	15:55:18.0	65000/19812	7.30	1981	0	0
I-J	15:59:08.0	16:02:04.0	65000/19812	7.30	1288	0	0
K-L	16:06:08.0	16:09:31.0	65000/19812	7.30	1486	0	0
M-N	16:19:41.0	16:22:23.0	65000/19812	7.30	1189	0	0
O-P	16:26:41.0	16:28:29.0	65000/19812	7.30	793	0	0
Q-R	16:32:33.0	16:34:48.0	65000/19812	7.30	991	0	0



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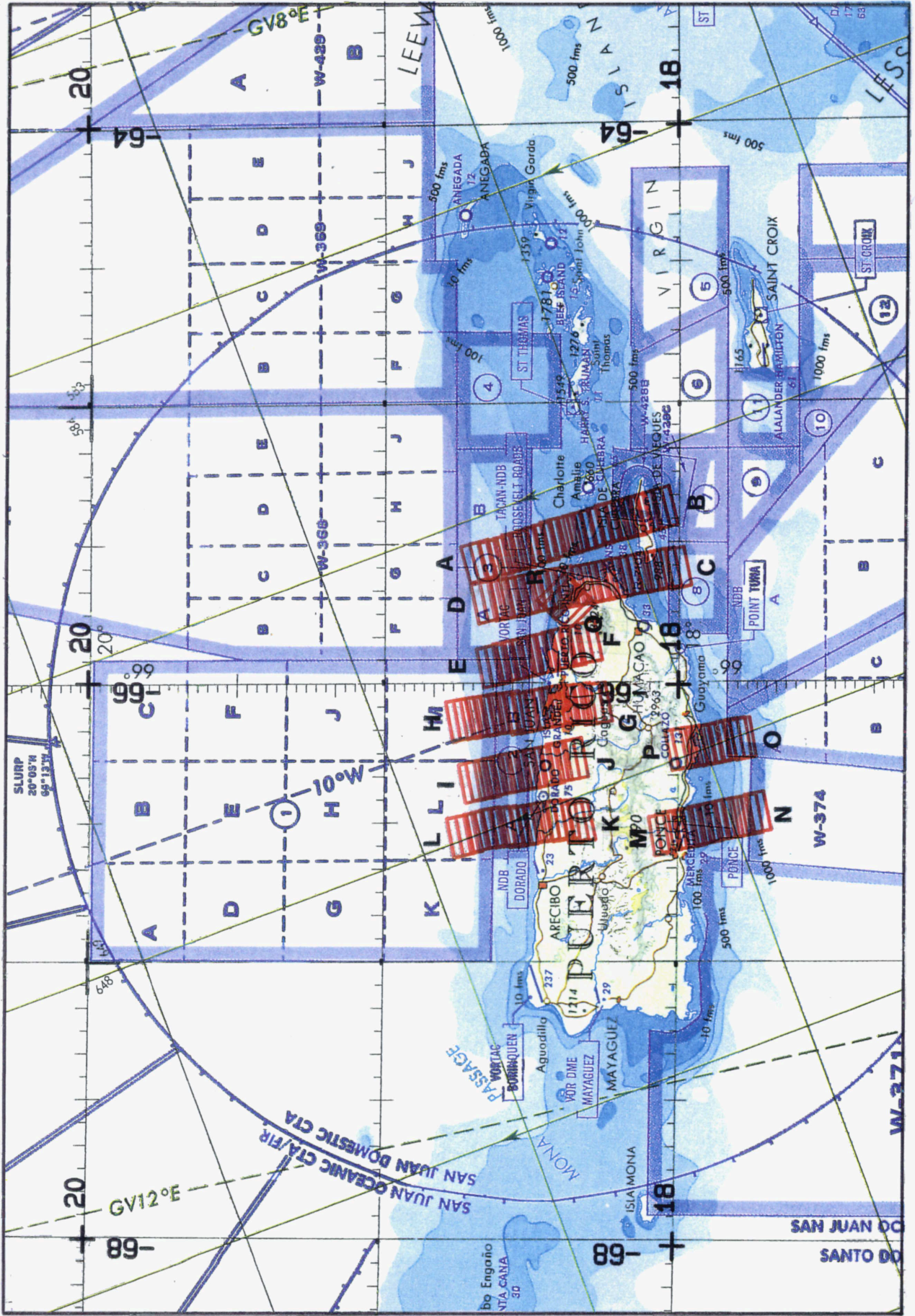
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A/C 708

6° RC-10 / AOC1

JNC 47



FLIGHT 94-017 10 DECEMBER 1993 A/C 708 12° RC-10 / DUAL HR-732 / TMS JNC 47