

FLIGHT SUMMARY REPORT

Flight Number: 94-018
Calendar/Julian Date: 11 December 1993 • 345
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 #:	04667	04668	04669	04670
Sensor ID #:	076	035	039	020
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	510-900 nm	400-700 nm	400-700 nm
f Stop:	4	4	8	8
Shutter Speed:	1/200	1/75	1/75	1/75
# of Frames:	134	69	174	192
% Overlap:	60	60	60	60
Quality:	Excellent	Excellent	Excellent	Excellent
Remarks:				

FLIGHT SUMMARY REPORT
94-018

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. 94-018**

Accession # 04667

Sensor # 076

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - C	9885-9901	13:54:33	14:02:22	65000/19800	Oblique frame in turn (frame 9897); 10-20% scattered cumulus
D - E	9902-9928	14:06:41	14:19:19	"	Minor cumulus (frames 9902-9910)
F - G	9929-9962	14:25:48	14:41:41	"	Minor cumulus (frames 9931-9934 and 9945-9957); 10% scattered cumulus (frames 9958-9962)
H - I	9963-9990	14:51:04	15:03:57	"	10-20% scattered cumulus (frames 9963-9971); minor cumulus (frames 9972-9978)
J - K	9991-9993	15:09:39	15:10:36	"	Clear
L - M	9994-0009	15:18:25	15:25:31	"	Oblique (frames 0007-0009); minor cumulus (frames 9994-9996); 10-20% scattered cumulus (frames 9999-0009)
N - O	0010-0018	15:28:30	15:32:17	"	10-20% scattered cumulus (frames 0010-0018)

**CAMERA FLIGHT LINE DATA
FLIGHT NO. 94-018**

Accession # 04668

Sensor # 035

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - C	1164-1172	13:54:43	14:02:24	65000/19800	10-20% scattered cumulus (frames 1164-1172)
D - E	1173-1186	14:06:48	14:19:29	"	10% scattered cumulus (frames 1173-1179)
F - G	1187-1203	14:25:55	14:41:31	"	Minor cumulus (frames 1196-1200); 10-20% scattered cumulus (frames 1201-1203)
H - I	1204-1217	14:51:11	15:03:51	"	10-20% scattered cumulus (frames 1204-1212)
J - K	1218-1219	15:09:45	15:10:43	"	Minor cumulus (frames 1218-1219)
L - M	1220-1227	15:18:32	15:25:21	"	Oblique (frames 1226-1227); 10-30% scattered cumulus (frames 1220-1227)
N - O	1228-1232	15:28:37	15:32:31	"	Emulsion damage (frame 1232); 20-30% scattered cumulus (frames 1228-1232)

CAMERA FLIGHT LINE DATA
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Accession # 04669

Sensor # 039

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - C	0001-0032	13:54:40	14:02:21	65000/19800	10-30% scattered cumulus (frames 0001-0013); minor cumulus (frames 0014-0024 and 0029-0032)
D - E	0033-0085	14:06:45	14:19:31	"	Minor cumulus (frames 0033-0049)
F - G	0086-0150	14:25:55	14:41:31	"	Minor emulsion scratch (frame 0087); minor cumulus (frames 0090-0095 and 0118-0138); 10-20% cumulus (frames 0146-0148)
H - I	0151-0174	14:51:09	14:56:43	"	10-30% scattered cumulus (frames 0151-0166); minor cumulus (frames 0168-0174)

**CAMERA FLIGHT LINE DATA
FLIGHT NO. 94-018**

Accession # 04670

Sensor # 020

Check Points	Frame Numbers	Time (GMT-hr, min, sec)		Altitude, MSL feet/meters	Cloud Cover/Remarks
		START	END		
A - C	0001-0032	13:54:35	14:02:16	65000/19800	10-30% scattered cumulus (frames 0001-0013); minor cumulus (frames 0014-0024 and 0027-0032)
D - E	0033-0085	14:06:40	14:19:27	"	Minor cumulus (frames 0033-0049)
F - G	0086-0150	14:25:50	14:41:27	"	Minor cumulus (frames 0090-0095 and 0118-0138); 10-20% cumulus (frames 0146-0148)
H - I	0151-0192	14:51:04	15:01:00	"	10-30% scattered cumulus (frames 0151-0166); minor cumulus (frames 0168-0174)

NOTE: MINOR LIGHT LEAK TOP RIGHT SIDE OF FRAME THROUGHOUT ROLL

AOCI SCANNER FLIGHT LINE DATA

FLIGHT NO. 94-018

DAEDALUS FLIGHT DATA
FLIGHT NUMBER: 94-018

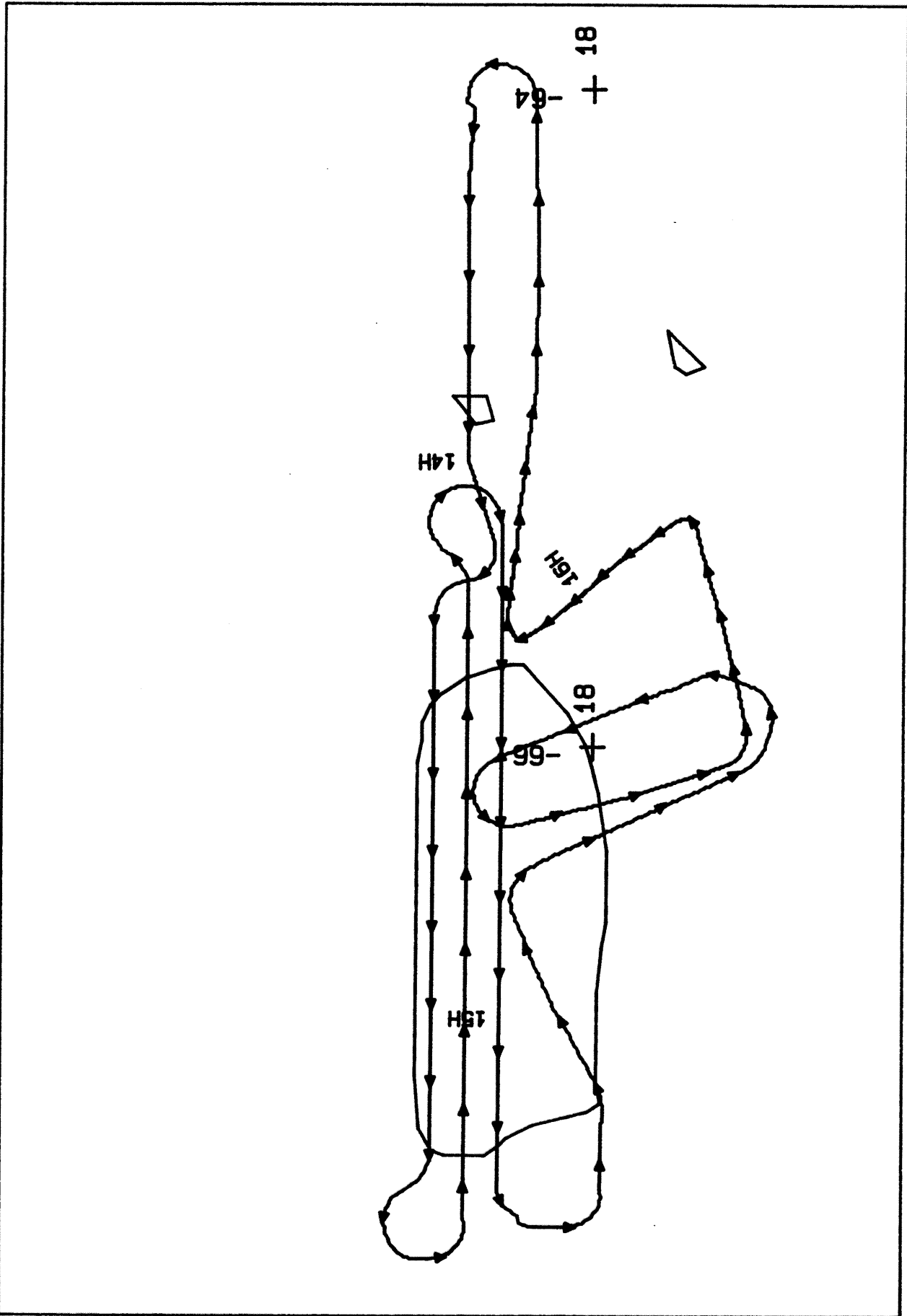
Check Points	A c t u a l t i m e b e g i n	A c t u a l s c a n l i n e b e g i n	A l t i t u d e f e e t / m e t e r	Scan Speed (rps)	t o t a l G o o d s c a n l i n e s	t o t a l I n t e r p o l a t e d s c a n l i n e s	t o t a l R e p e a t e d s c a n l i n e s		
A-B	13:51: 6.0	13:59:49.0	10329	13596	65000/19812	6.25	3268	0	0
BC	14:01: 8.0	14:02:12.0	14091	14487	65000/19812	6.25	397	0	0
DE	14:05:53.0	14:19:37.0	15873	21021	65000/19812	6.25	5149	0	0
FG	14:25:26.0	14:41:32.0	23199	29238	65000/19812	6.25	6039	1	0
HI	14:47:20.0	15:04:30.0	31416	37851	65000/19812	6.25	6436	0	0
J-K	15:08:59.0	15:10:50.0	39534	40227	65000/19812	6.25	694	0	0
L-M	15:18:29.0	15:24: 2.0	43098	45177	65000/19812	6.25	2079	1	0
N-O	15:28:16.0	15:33: 1.0	46761	48543	65000/19812	6.25	1783	0	0

TIMS SCANNER FLIGHT LINE DATA

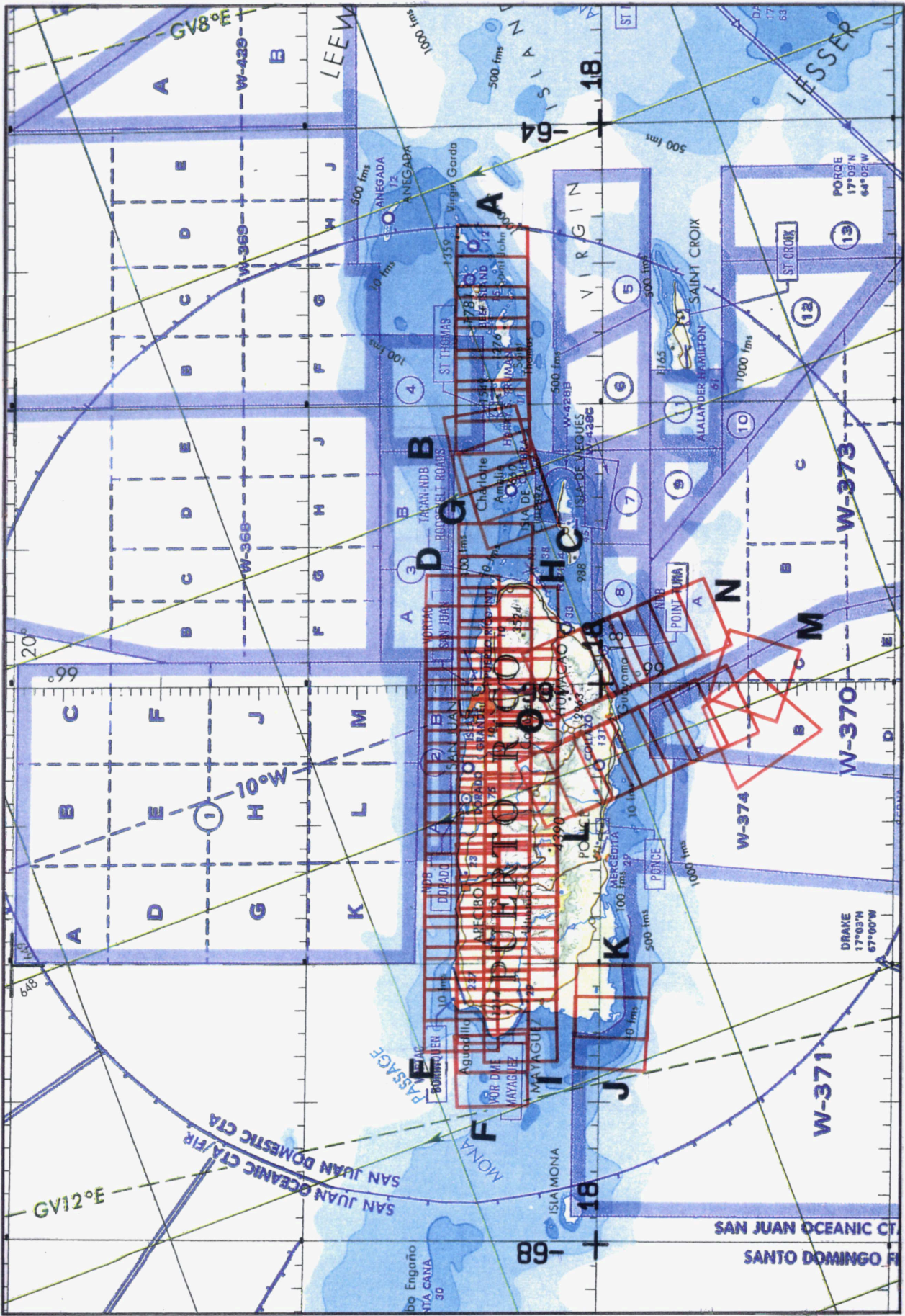
FLIGHT NO. 94-018

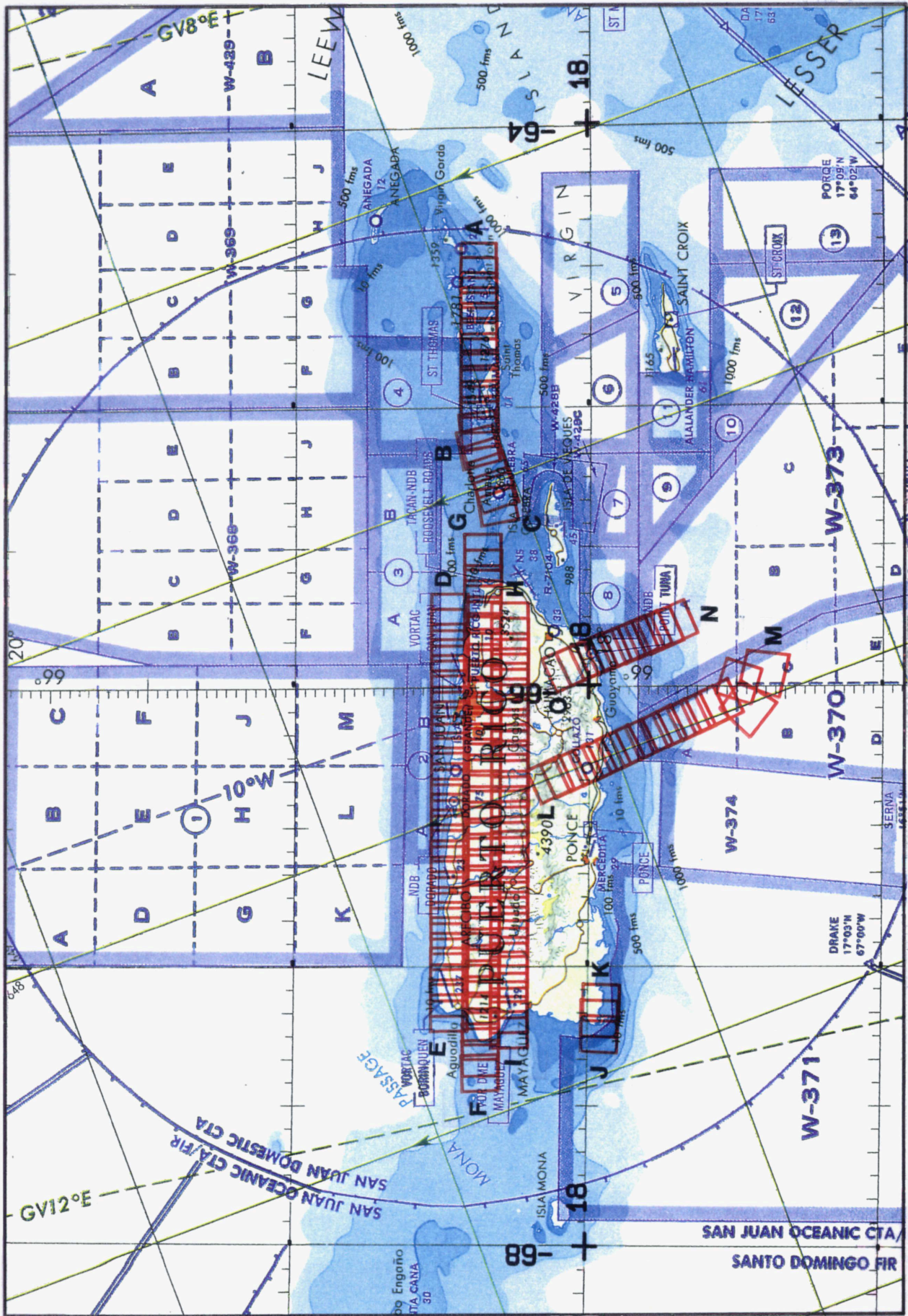
TIMS FLIGHT DATA
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Check Points	A c t i v e t i m e b e g i n	A c t u a l (GMI) e n d	A c t u a l s c a n l i n e b e g i n	A c t u a l e n d	A l t i t u d e f e e t / m e t e r	S c a n S p e e d (r p s)	t o t a l G o o d s c a n l i n e s	t o t a l 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	13:51:52.0	13:59:46.0	12458	15923	65000/19812	7.30	3466	0	0
B-C	14:01:08.0	14:02:15.0	16517	17012	65000/19812	7.30	496	0	0
D-E	14:05:52.0	14:19:38.0	18596	24635	65000/19812	7.30	6040	0	0
F-G	14:25:30.0	14:41:32.0	27209	34238	65000/19812	7.30	7030	0	0
H-I	14:47:24.0	15:04:33.0	36812	44336	65000/19812	7.30	7524	1	0
J-K	15:09:04.0	15:10:39.0	46316	47009	65000/19812	7.30	694	0	0
L-M	15:18:33.0	15:24:11.0	50474	52949	65000/19812	7.30	2476	0	0
N-O	15:28:15.0	15:33:00.0	54731	56810	65000/19812	7.30	2080	0	0



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JNC 47

12" RC-10 / DUAL HR-732 / TIMS

A/C 708

12 DECEMBER 1993

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