

U.S. Dep't. of Commerce / NMAO / NOAA / Aircraft Operations Center

FLT ID: 070925 I	From: KMCF	To: TBPB
Flt No: 07 - 036	In: 1930 Z	On: 1925 Z
ETD: 1400 Z	Out: 1346 Z	Off: 1358 Z
ETE: + 5 hrs	Blk Time: 5 hrs 44 min	Flt Time: 5 hrs 27 min
Sponsoring Org: NOAA - HRD	Program: HUR07	Purpose: Ferry

AOC Flight Crew

Aircraft Commander: Nelson, M	Data System: Lynch, T
Co-Pilot: Girimonte, A	AVAPS: Smith, J
Navigator: Bishop, J	System Engineer:
Flight Eng: Floyd, D	AA: Peek, B
Flight Director: Almeida Shepherd	AA:
Avionics:	Crew Chief: Mitchell, R

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
Gamache, J	PI	HRD
Leighton, P	SCI	HRD
Aberson, S	SCI	HRD

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)

Recco Times

Fix #

Fix Time

Storm Name: _____

Mission ID: WXWX A TRAIN

U.S. DEPT OF COMMERCE / NMAO / NOAA / AIRCRAFT OPERATIONS CENTER

FLT ID: 070925 I TIME OFF: 1358 Z TIME ON: 1925 Z

	A/C - Takeoff	WX Station - Takeoff	A/C - Land	WX Station - Land
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Pressure	1016.8	1016.7	1007.2	1013
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ATIS - Takeoff	1255Z / 05011kt 105M 25/23 30.04 SLP173
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ATIS - Land	1900Z / 09008kt 28/23 Q1013
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Data Source	Number	Data Disposition / Date / Quality
Flight Level Tapes	2	
Radar Tapes	1	
Cloud Physics Tapes / Cds		
Video Tapes/DVDs		
Dropsondes	<u>0</u>	Good: Bad:
AXBT		
AXCP		
AXCTD		
SONOBUOY		

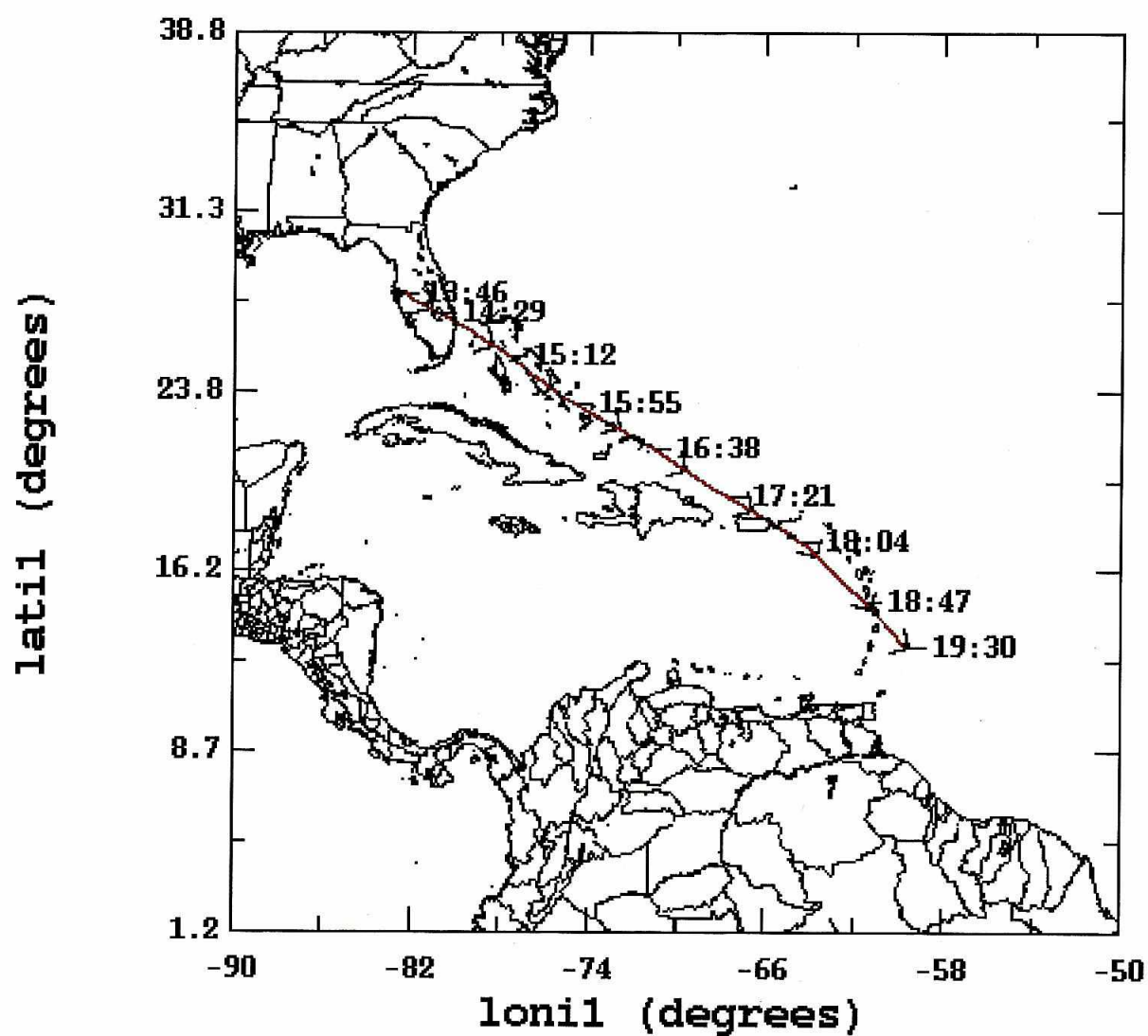
REMARKS:

<u>OUT</u> 1346Z	<u>IN</u> 1930Z
<u>OFF</u> 1358Z	<u>ON</u> 1925Z

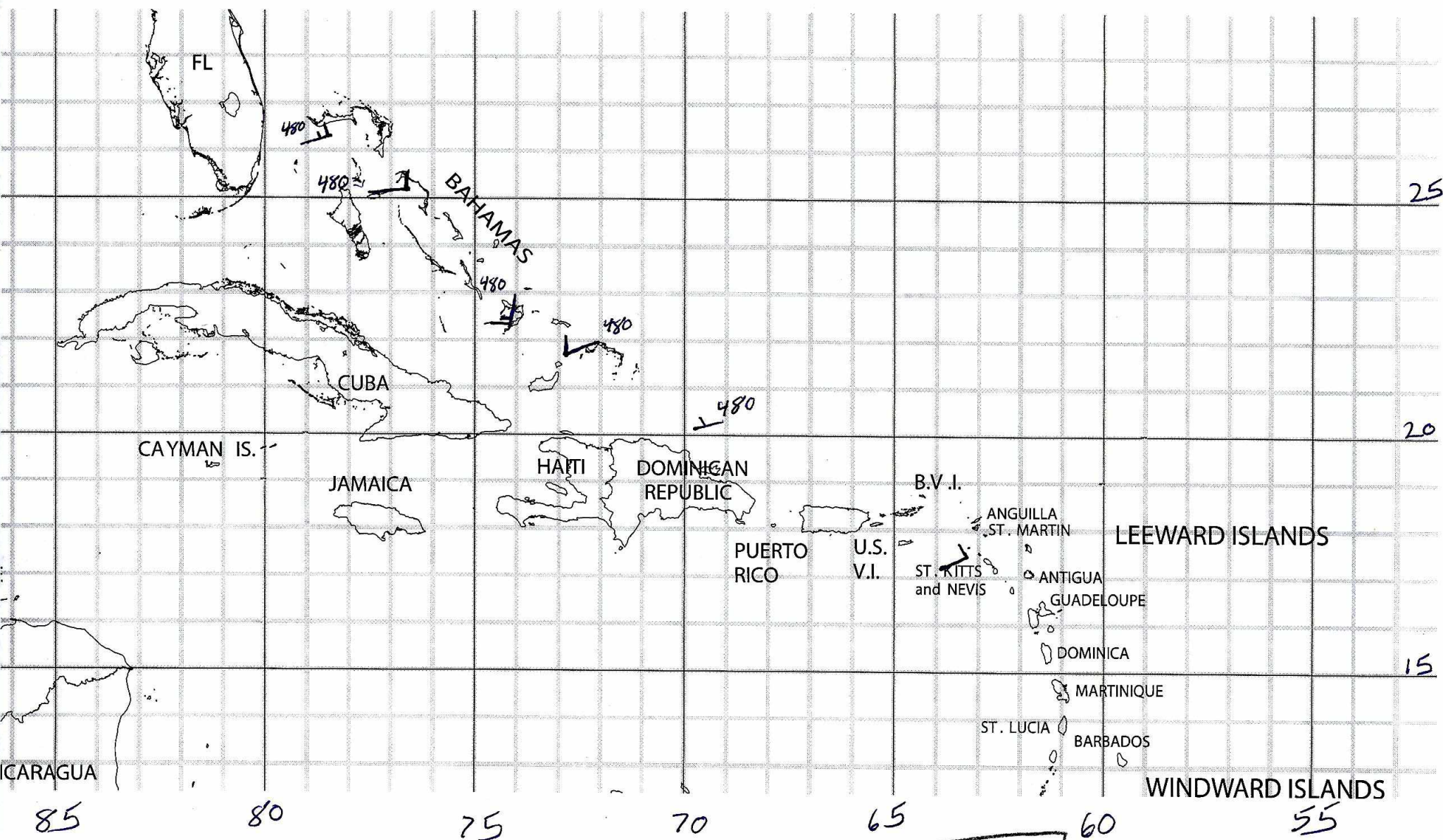
PRESSURE ✓

070925I	LAT	LON	TA	TD	TK	SHD	RA	PS	SP	WD	WS	WZ	SFWS	COMMENTS
130526	27.50.94	-82.29.58	34.2	22.3	90.0	135.4	1.0	1016.9	1017.8	126.7	1.4	-.2	0.0	Tom is cool - hit <Enter> now!
133704	27.50.94	-82.29.58	29.2	19.3	90.0	135.4	1.0	1017.0	1018.2	140.9	1.2	.8	0.0	test
134613	27.50.94	-82.29.58	28.6	21.4	134.5	137.7	1.0	1016.9	1017.6	138.4	5.1	-.6	0.0	Block Out
135826	27.50.76	-82.31.44	27.0	22.5	40.2	41.1	1.0	1018.3	1019.3	61.4	2.8	1.3	0.0	takeoff
143257	26.50.76	-80.25.50	-8.7	-25.8	117.8	116.2	6216.0	484.6	1014.5	79.7	11.5	.5	0.0	Tweaked happy box from 6 to 7
143629	26.43.32	-80. 9.78	-8.6	-23.5	118.3	116.4	6163.0	484.5	1013.9	78.5	12.4	2.8	0.0	vert wind steady 3.0 m/s (over land)
145424	25.58.32	-78.52.32	-8.4	-42.5	125.4	124.2	6183.0	484.9	1013.4	61.7	6.8	2.0	1.9	balanced TD2 @~1443Z
153644	23.59.52	-75.50.04	-9.6	-8.1	130.5	132.8	6255.0	484.3	1014.9	164.6	5.7	4.0	12.8	vert wind 8 m/s in turbulence
175034	18. 4.86	-65.19.02	-6.3	-24.8	120.1	120.8	6259.0	484.5	1010.3	102.2	2.3	2.3	6.4	Finished Fire Drill
192519	13. 4.32	-59.30.18	28.4	24.6	76.0	74.4	2.0	1008.5	1013.8	136.2	1.1	.4	0.0	landed
192945	13. 4.80	-59.28.92	28.8	24.0	346.6	345.3	1.0	1007.3	1012.6	2.4	.7	.8	0.0	Block In

09/25/2007 UTC, 13:46:01-19:30:00



	mean	sigma	min	max
latil (degrees), 1 s/sec	21.12	4.55	13.05	27.92
lonil (degrees), 1 s/sec	-71.04	7.33	-82.53	-59.48



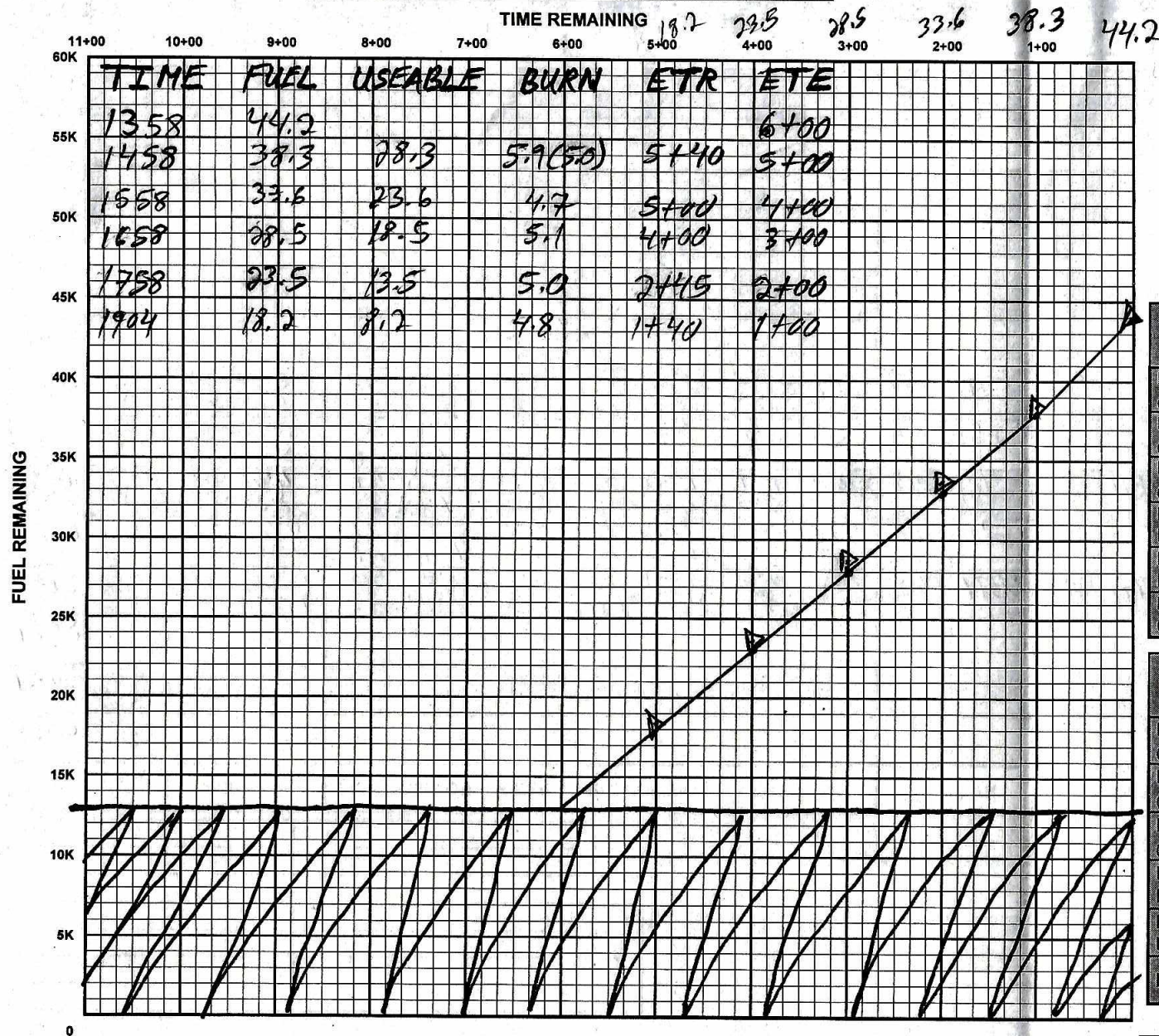
123.25

w. meteo. 9P
Radar

OCT 04
10:10

[illegible]

RANGE CONTROL GRAPH



ENROUTE FUEL	
ENROUTE TIME	6+00
ENROUTE FUEL (6K 5K 4.5K RULE)	31.0
RESERVE AT DESTINATION	13.0
REQUIRED RAMP	44.0
ACTUAL RAMP FUEL	44.2

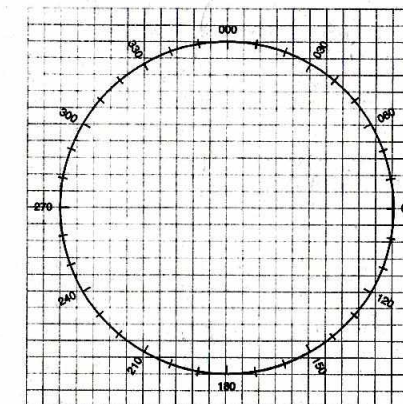
TACTICAL (OFFSTA TO DESTINATION)		
	4 ENG	3 ENG
DISTANCE (OFFSTA TO DEST)		
ENROUTE TIME (OFFSTA TO DEST)		
BURN RATE (LBS/HR)	4500	5500
ENROUTE FUEL REQUIRED		
RESERVE AT DESTINATION		
FUEL AT OFFSTA		

POINT OF SAFE RETURN		
	4 ENG	3 ENG
ETP DISTANCE (TO DEPARTURE)		
ENROUTE TIME (TO DEPARTURE)		
BURN RATE (LBS/HR)	4500	5500
FUEL REQUIRED		
RESERVE AT DEPARTURE		
PSR FUEL		

CEX - TRUE BEARING METHOD			
COMPASS TYPE	INS1	INS2	WET
MCH (READING)			
MTH (SEXTANT)			
CE			
VAR			
DEV			

CEX - ERB METHOD			
COMPASS TYPE	INS1	INS2	WET
MERB (DIAL 000)			
+ ZN			
= MTH			
MCH (READING)			
CE			
VAR			
= DEV			

CEX SIGHT	
GMT	
GHA	
CORR	
GHA	
LONG +W -E	
EXACT LHA	
LAT	
BODY	
DEC	
HC / D	
CORR	
HC	
Z	
ZN	



DISTANCE REMAINING

WIND FACTOR		
WINDSPEED	HEADWIND	TAILWIND
10	1.03	.97
20	1.06	.94
30	1.10	.92
40	1.14	.89
50	1.18	.87
60	1.22	.85

PRESS ALT	200	250	300	350
10,000	1.0	1.0	.99	.99
20,000	.99	.98	.97	.97
30,000	.97	.96	.95	.94
40,000	.96	.94	.92	.90

TRUE AIRSPEED CROSS-CHECK							
TIME	IAS	PRESS ALT	"F" FACTOR	EAS	OAT	TAS	ITAS