

On-board Lead Project Scientist Checklist

DATE 8/12/82 AIRCRAFT 43 FLT 1

A. Participants

Function	Participant	Function	Participant
Lead Proj. Sci.	<u>JORGENSEN</u>	Gust Probe	
Cloud Physics	<u>-</u>	Omegasonde	<u>Stme</u>
AXBT	<u>-</u>	Sys Eng	<u>Schricker</u>
Doppler-Hot Film	<u>Parrish / Feinberg</u>	Data Tech	<u>Gildstein</u>
Radar	<u>Marks / Cheng</u>	EI Tech	
Flt Dir/Met	<u>Haydu</u>	Other	

Take Off 1650Z Location MIA Landing 2222 Location MIA

B. Past and Forecast Storm Position

Date	Time	Latitude	Longitude	MSLP

C. Mission Briefing

Sea breeze

820812 I SEA BREEZE & ODW Test
Ramada Inn Naples 7-1-813-597-3151 123

-6.7 4.6
TMP 500 mb height 5910 250/6 NP 10:45
12:00 270/8 12:00

Call Peter H get listing of MAPS system
first two flights 15 rate

Short delay at T.O. due to computer

T.O. 165050
Scattered C_w on way to IP 1705 Z

At IP 1713 Z

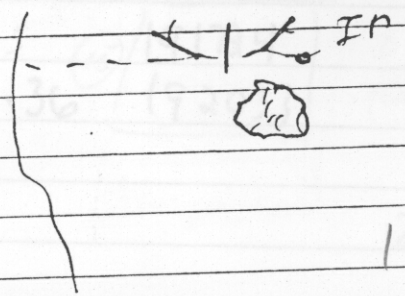
⊗ Wind L over water 171930 → 173140

✓ Climb to 500 mb 173200 for ODW drop

Descend to 1000 ft

- ① 182650 Start S-N leg
- ② 183140 End of S-N leg turning to IP
- ③ 183300 Start W→E leg
- ④ 183910

Wind shift at 81.5 W 183700



Alt ~ 320 m

End of leg 1831910

S leg N-S (3) 183953
End 184052

----- IP
level 3

W leg E-W (4) 184138
End 184424

D.B. isolated cell

N leg S-N (5) 184508
End 184709

East leg W-E (6) 184740
End 185036

S leg N-S (7) 185120
End 185321

W leg E-W (8) 185400
End 185704

A.C. winds OK

N leg S-N (9) 185751
End 190000

line growing N-S

E leg W-E (10) 190042
End leg (3) 190308

new cell

S leg N-S (11) 190350
End 190576

West leg ab. 181.4 E-W (12) 190634
End ab. 14 81.61 190915

leading edge on west

N leg S-N (13) 191000
End ab. 40 81.59 191303

still two cells

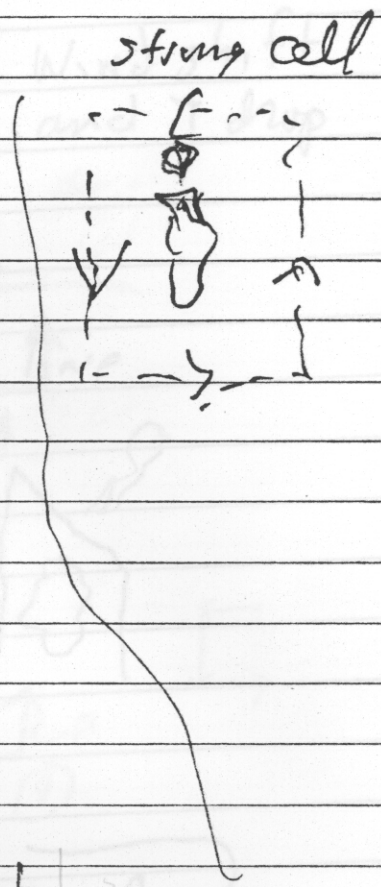
East leg W-E (14) 191400
End ab. 40 81.38 191639

leading edge at S.B

South leg N-S (15) 191724
End ab. 17 81.36 192033

convergence good winds!

North leg	202622	⑤	②
End 26.43 81.48	202645	S→N	
West leg	202829	E→W	
End 26.46 81.65	203030	⑩	③ Some turb
South leg	203118	N→S	
End 26.32 81.67	203248	⑦	
East leg	203328	W→E	③
End 26.30 81.49	203533	⑧	



outside turn to change tape

North leg	203743	⑨	④
End 26.44 81.50	204019		
West leg	204058	E→W	
End leg 26.45	204245		⑤

81.65

South leg	204335	N→S	⑪	turb
End 26.37 81.65	204505			
East leg	204548	W→E	⑫	
End 26.3 81.47	204753			

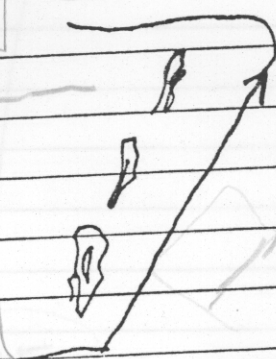
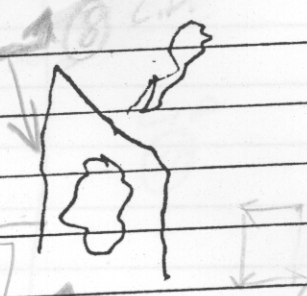
North leg	204844	S→N	⑬	
turn 335 to keep at distance	205030			
End 205235	26.56 81.52			

outside flt to change tape

West leg	205450	E→W	⑭
End leg 26.57	205718		
	81.66		

cell still
strange
growing North

South leg	N→S (15)	205800	Wind shift and T drop
End	26.34 81.68	210114	
East leg	W→E (16)	210204	
End	26.33 81.44	210508	
North leg	S→N (17)	210612	
turn to 330° to squeeze through loop		210937	
End	26.54 81.51	211000	
West leg	E→W (18)	211000	
End leg	26.54 81.71	211300	
outside turn to change top			
South	N→S (19)	211500	
End	26.57 81.70	211807	
East leg	W→E (20)	211904	
End	26.34 81.52	212118	
tracking 090 to parallel line			
050 leg	SW→NE (21)	212158	
End	26.58 81.19	212726	
307 trk	SE→NW (22)	212823	
End	26.74 81.38	213135	
230° trk	NE→SW (23)	213330	
End	26.47 81.72	214025	
144° trk	NW→SE (24)	214110	
End	26.33 81.62	214326	
054 trk	SW→NE (25)	214400	
End	26.49 81.33	214836	



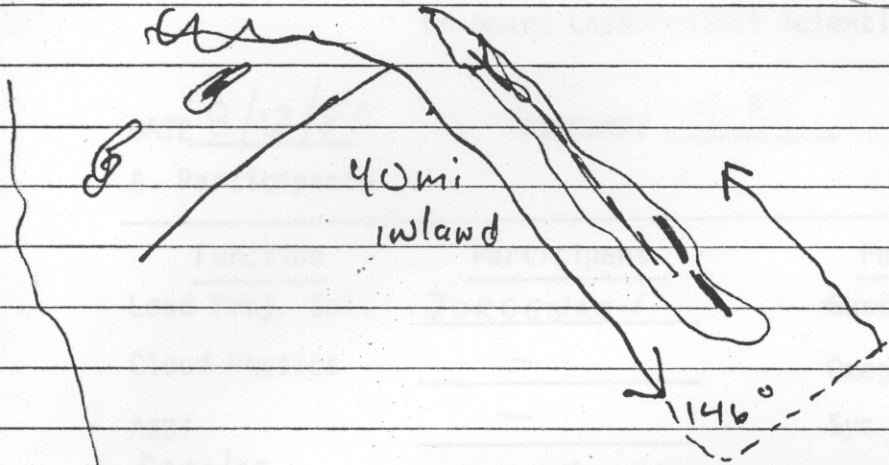
Doppler
Box
⑦

L.P. 10

long line
150° track

215615

20
NW → SE



LIP
10

End 26.19 81.04

End
215605

078° track WSW → ENE (27)

215709

End 26.25 80.76

220050

336° track SE → NW (28)

220133

End 26.5 80.83

220447

160° track NW → SE (29)

220620

End 26.30 80.71

220930

LIP
11