

Flight Notes – 30 May 2002 – Margaret A. LeMone

Flight Pattern

	<i>Time1</i>	<i>Time2</i>	<i>Height (ft msl)</i>	<i>Remarks</i>
1	1643W	1652	4000'	1.2h
2	165406E	170330	200 a	
3	170510W	171440	200 a	More structure in NDVI
4	1719E	172620	4000'	Not much on WCR
5	172820W	173750	200 a	Ci contrails, a little cu. Nice relationship of NDVI to Heiman, i.e., almost a straight line between (Tsfc,NDVI)=(30,0.9) and (40, 0.3).
6	173954E	174929	200 a	H = 2200 – 2700 W end. No cu W end.
7	175400W	180248	4100'	Cu at east end. Heiman/NDVI relationship is the same. 2 Photos during descent to show bedrock exposed to air.
8	180512E	181446	200 a	Mixed layer top about 2400-2500' agl.
9	1816W	182551	3200'	Photo (2) 181840 of fields. 2 nd has clouds. Climb. A few cu for first time. 182202: crops plus pasture; 192330: 100% pasture; 182447 – note haze layer at the top of the BL.
10	182900E	183900	200a	H is about 2600-2700 ft agl. Photos: 183603,18383 -- exposed rock
11	184100W	185035	3500'	
12	185235E	190158	200 a	H is about 3000 ft – 3300 ft agl. Photo: 185830 of Big Flat Spot.
13	190530W	191430	3500'	
14	191635E	192619	200 a	
15	192920W	193830	5700'	Climb to 5700 from 5400 at 193205 because cloud above. Photo:
16	194131	195100	3500'	BL top east side 4000 ft agl.

Soundings

	<i>Time1</i>	<i>Time2</i>	<i>H (feet agl)</i>	
1	163205	164200	1000'-1700'	Cu to right, clear ahead
2	171440	1719E	2600'	
3	174929W	1754	2600'	
4	182551E	182900	2600'	
5	190158W	190520	2500 to 3300	
6				
7	195100 W	1955?	3200'	
8				
9				

Notes:

1. WCR signal is a lot weaker today than at Homestead
2. NDVI-Heiman relationship is messier in pasture (I have rural areas)
3. BL dried with time
4. East end seemed to reach “equilibrium” depth ahead of the west end of the leg.
5. Cloud higher than we were when we thought we were at 1.2 h.
6. Yaw maneuvers (for WCR) at 193830.