

Messages:

Forecast high taken from MSP

11-MAY-2008 12 UTC Soaring report from MPX upper air data.

Forecast high: 55 F; est. base of any clouds: 5400 feet AGL.

=== Raw Upper-Air Data ===

Feet MSL:	942	1079	2506	3520	4055	4573	4851	4914	4945	5039
Pres mb:	976	971	920	885	867	850	841	839	838	835
Temp C:	4.0	3.4	-0.3	-3.1	-1.5	-1.5	-1.7	-1.3	-1.3	-1.1
VirT C:	4.7	4.1	0.3	-2.6	-1.0	-1.0	-1.3	-0.9	-1.1	-0.9
DewPt C:	1.0	0.4	-1.8	-4.0	-4.1	-5.6	-8.7	-9.3	-15.3	-19.1
Wdir@kts:			360 31			10 36				

=== Interpolations (temps in deg. F, altitudes in feet MSL) ===

MSL	*TI*	Wdir@kts	trig	VirT	2.3 degrees/division ("`": Dry Adiabatic)
18000	13.2	280	17	79	-11.4
17500	12.7			78	-9.6
17000	12.4	280	17	77	-7.4
16500	12.2			77	-5.1
16000	11.5	320	21	76	-3.7
15500	10.8			74	-2.3
15000	10.2	345	21	73	-0.7
14500	9.7			72	1.1
14000	9.2	340	30	71	2.9
13500	8.7			71	4.6
13000	8.2	340	29	70	6.4
12500	7.7			69	8.2
12000	7.2	345	34	68	9.9
11500	6.7			67	11.7
11000	6.2			66	13.5
10500	5.7			65	15.2
10000	5.2			64	17.0
9500	4.9	355	33	64	19.1
9000	4.5	360	34	63	21.1
8500	4.2			62	23.2
8000	3.8	360	32	62	25.2
7500	3.3			61	27.0
7000	2.2	355	35	59	27.7
6500	1.1			57	28.4
6000	-0.0	5	35	55	29.0
5500	-1.1			54	29.7
5000	-2.3	5	37	52	30.2
4500	-3.8	10	36	49	30.2
4000	-5.4	10	35	46	30.0
3500	-8.3			41	27.5
3000	-8.4	10	36	41	30.0
2500	-8.4	360	31	41	32.6
2000	-8.6	350	32	40	35.0
1500	-8.8			40	37.3
1000	-8.8			40	40.0

=== Complete Upper Air Data ===

P(mb)	H(ft)	Tv(C)	T(C)	DP(C)	wind dir	wind spd
976.0	942	4.7	4.0	1.0		
971.0	1079	4.1	3.4	0.4		
920.0	2506	0.3	-0.3	-1.8	360	31
885.0	3520	-2.6	-3.1	-4.0		
867.0	4055	-1.0	-1.5	-4.1		
850.0	4573	-1.0	-1.5	-5.6	10	36
841.0	4851	-1.3	-1.7	-8.7		
839.0	4914	-0.9	-1.3	-9.3		
838.0	4945	-1.1	-1.3	-15.3		
835.0	5039	-0.9	-1.1	-19.1		
758.0	7560	-2.8	-2.9	-26.9		
700.0	9611	-7.4	-7.5	-26.5	355	33
694.0	9830	-8.0	-8.1	-27.1		
556.0	15362	-18.9	-18.9	-38.9		
530.0	16528	-20.7	-20.7	-40.7		
503.0	17788	-23.8	-23.9	-38.9		
500.0	17931	-24.1	-24.1	-40.1	280	17
489.0	18463	-24.5	-24.5	-41.5		
464.0	19708	-28.3	-28.3	-42.3		
413.0	22409	-35.1	-35.1	-48.1		
402.0	23026	-35.1	-35.1	-49.1		
400.0	23141	-35.3	-35.3	-49.3	245	27
385.0	24010	-37.5	-37.5	-52.5		
375.0	24606	-37.7	-37.7	-52.7		
364.0	25277	-39.3	-39.3	-53.3		
355.0	25841	-38.1	-38.1	-52.1		
350.0	26161	-38.7	-38.7	-51.7		
322.0	28018	-44.1	-44.1	-53.1		
300.0	29564	-47.5	-47.5	-56.5	210	66
299.0	29636	-47.7	-47.7	-56.7		
264.0	32297	-53.7	-53.7	-62.7		
253.0	33193	-54.3	-54.3	-63.3	230	45
250.0	33444	-53.9	-53.9	-62.9	235	42
236.0	34661	-52.7	-52.7	-62.7		
228.0	35393	-52.3	-52.3	-63.3		
216.0	36538	-53.1	-53.1	-64.1		
207.0	37441	-51.3	-51.3	-63.3		
200.0	38174	-51.9	-51.9	-63.9	280	41
198.0	38387	-51.9	-51.9	-63.9		
193.0	38932	-51.1	-51.1	-64.1		
186.0	39720	-51.5	-51.5	-64.5		
181.0	40301	-50.7	-50.7	-63.7		
167.0	42020	-51.1	-51.1	-65.1		
154.0	43742	-52.9	-52.9	-66.9		
150.0	44300	-51.9	-51.9	-65.9	285	41
147.0	44730	-51.9	-51.9	-65.9		
145.0	45022	-50.7	-50.7	-64.7		
135.0	46547	-51.3	-51.3	-66.3		
131.0	47187	-52.5	-52.5	-66.5		
123.0	48522	-52.5	-52.5	-67.5		
116.0	49760	-54.3	-54.3	-68.3		
111.0	50688	-53.5	-53.5	-68.5		
105.0	51856	-55.1	-55.1	-69.1		
104.0	52057	-54.3	-54.3	-68.3		

Additional wind data:

H(ft)	dir	spd
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2000	350	32
3000	10	36
4000	10	35
5000	5	37
6000	5	35
7000	355	35
8000	360	32
9000	360	34
12000	345	34
13000	340	29
14000	340	30
15000	345	21
16000	320	21
17000	280	17
19000	265	19
20000	275	22
22000	235	21
24000	245	29
25000	230	39
26000	220	55
30000	210	70
32000	220	58
34000	255	37
35000	265	38
38000	285	42
43000	295	37
47000	280	29
50000	295	33