



Weather Observations

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NTSB

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- Official Weather Station Observations

KOLV was about 16 miles to the north of the accident location.

METAR KOLV 121850Z 36005KT 10SM CLR 19/05 A2998=

Accident 1843 UTC

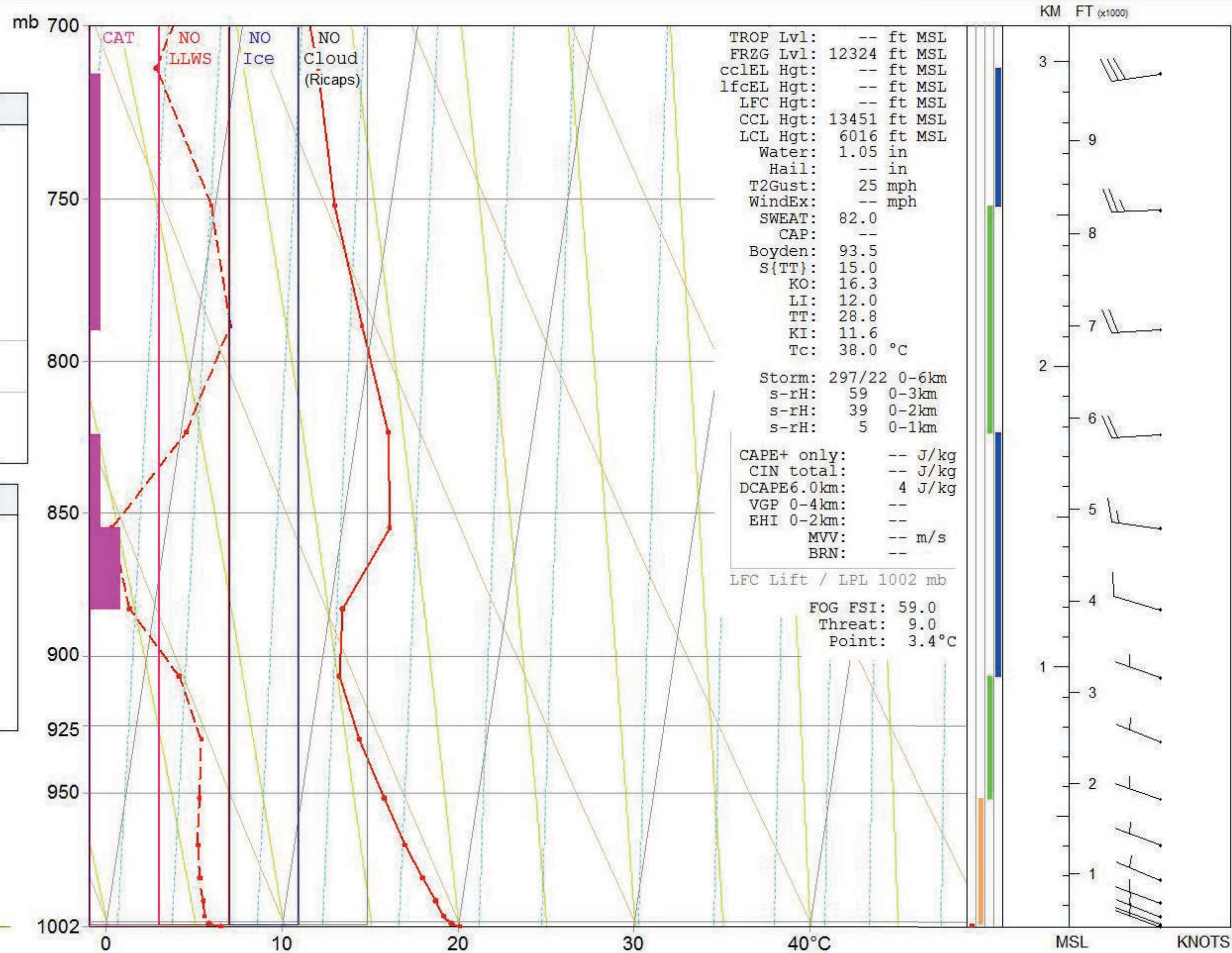
METAR KOLV 121750Z 36005KT 10SM CLR 18/06 A3002=

Upper air sounding for accident site for 1400 CDT (see page 2), which indicated that there was no clear-air turbulence or low-level wind shear. The wind indicated 5 knots below 4,000 ft msl, so even though was unstable up to that level, there was no stronger wind to bring down to the surface.

There was no cloud cover nor weather radar targets. There were no boundaries seen in the imagery like around ~1520 CDT.

- Unofficial Weather Station Observations

There were two non-official weather sites where data was extracted for review (see pages 4 and 5). While wind speeds were not that high, both showed a westerly wind component. See page 3 for location(s) of the observations around 1343 CDT. One unofficial weather station location was 16.5 miles to the northwest of the accident location and the other unofficial weather observation locations was 16.5 miles to the southwest of the accident location. Note the wind direction change over past 1 to 2 hours before accident time.





E0090



Accident site



CW7847

#STATION: C7847																		
#STATION NAME: CW7847 Como																		
#LATITUDE: 34.52550																		
#LONGITUDE: -89.94133																		
#ELEVATION [ft]: 350																		
#STATE: MS																		
Station_IC	Date_Time	altimeter	air_temp	relative_h	wind_speed_set_1	wind_direction_set_1	wind_gust_set_1	precip_ac	solar_radi	precip_ac	dew_poin	wind_chil	wind_carc	pressure_	sea_level	heat_index_set_1d		
		INHG	Fahrenhei	%	Miles/hour	Degrees	Miles/hour	Inches	W/m**2	Inches	Fahrenhei	Fahrenhei	Code	INHG	INHG	Fahrenheit		
C7847	10/12/2018 11:30 CDT	30.09	63	64	1.01	126	8.01	0.01		0.01	50.55		SE	29.71	29.43			
C7847	10/12/2018 11:45 CDT	30.08	64	61	1.01	47	4.99	0.01		0.01	50.2		NE	29.7	29.42			
C7847	10/12/2018 12:00 CDT	30.08	64	58	3	225	4.99	0.01		0.01	48.83		SW	29.7	29.45			
C7847	10/12/2018 12:15 CDT	30.07	64	60	3	101	8.99	0.01		0.01	49.75		E	29.69	29.42			
C7847	10/12/2018 12:31 CDT	30.07	64.99	59	1.01	97	5.99	0.01		0.01	50.23		E	29.69	29.41			
C7847	10/12/2018 12:46 CDT	30.06	66	61	1.01	238	7	0.01		0.01	52.09		WSW	29.68	29.35			
C7847	10/12/2018 13:00 CDT	30.06	66	58	5.99	237	10	0.01		0.01	50.72		WSW	29.68	29.38			
C7847	10/12/2018 13:15 CDT	30.05	66.99	56	2.01	281	4.99	0.01		0.01	50.69		W	29.67	29.36			
C7847	10/12/2018 13:31 CDT	30.04	68	54	2.01	229	8.99	0.01		0.01	50.65		SW	29.66	29.35			
C7847	10/12/2018 13:46 CDT	30.03	68	52	5.99	257	10	0.01		0.01	49.63		WSW	29.65	29.36			
C7847	10/12/2018 14:00 CDT	30.02	68	52	2.01	199	8.99	0.01		0.01	49.63		SSW	29.64	29.35			
C7847	10/12/2018 14:16 CDT	30.02	68	52	3	227	4.99	0.01		0.01	49.63		SW	29.64	29.35			
C7847	10/12/2018 14:31 CDT	30.01	68	56	1.01	313	3	0.01		0.01	51.64		NW	29.63	29.3			
C7847	10/12/2018 14:47 CDT	30	70	50	2.01	265	7	0.01		0.01	50.43		W	29.62	29.31			
C7847	10/12/2018 15:01 CDT	29.99	69.01	51	3	261	8.01	0.01		0.01	50.05		W	29.61	29.31			
C7847	10/12/2018 15:16 CDT	29.98	68	53	3	266	10	0.01		0.01	50.15		W	29.6	29.3			
C7847	10/12/2018 15:31 CDT	29.99	66.99	54	4	281	8.01	0.01		0.01	49.71		W	29.61	29.33			
C7847	10/12/2018 15:47 CDT	29.99	66.99	56	3	263	7	0.01		0.01	50.69		W	29.61	29.3			
C7847	10/12/2018 16:01 CDT	29.98	66	61	1.01	250	3	0.01		0.01	52.09		WSW	29.6	29.27			
C7847	10/12/2018 16:16 CDT	29.98	64.99	62	0		2.01	0.01		0.01	51.57			29.6	29.28			
C7847	10/12/2018 16:31 CDT	29.97	64.99	61	0		0	0.01		0.01	51.13			29.59	29.28			
C7847	10/12/2018 16:45 CDT	29.98	64	66	0		3	0.01		0.01	52.34			29.6	29.27			
C7847	10/12/2018 17:00 CDT	29.98	64	70	0		1.01	0.01		0.01	53.95			29.6	29.23			
C7847	10/12/2018 17:15 CDT	29.98	63	72	0		0	0.01		0.01	53.77			29.6	29.24			
C7847	10/12/2018 17:30 CDT	29.98	63	73	0		0	0.01		0.01	54.15			29.6	29.23			
C7847	10/12/2018 17:45 CDT	29.98	63	75	0		0	0.01		0.01	54.89			29.6	29.21			

# STATION: E0090																		
# STATION NAME: EW0090 Hernando																		
# LATITUDE: 34.79667																		
# LONGITUDE: -90.02167																		
# ELEVATION [ft]: 265																		
# STATE: MS																		
Station_IC	Date_Time	altimeter_set_1	air_temp	relative_h	wind_speed_set_1	wind_direction_set_1	wind_gust_set_1	precip_ac	precip_ac	dew_poin	wind_chil	wind_carc	pressure	sea_level	heat_index_set_1d			
		INHG	Fahrenheit	%	Miles/hour	Degrees	Miles/hour	Inches	Inches	Fahrenheit	Fahrenheit	Code	INHG	INHG	Fahrenheit			
E0090	10/12/2018 11:31 CDT	30.14	63	61	1.01	323	4.99	0	0	49.25		NW	29.85	29.66				
E0090	10/12/2018 11:46 CDT	30.13	64	56	3	19	4.99	0	0	47.89		NNE	29.84	29.67				
E0090	10/12/2018 12:01 CDT	30.13	64.99	58	4	5	8.99	0	0	49.77		N	29.84	29.63				
E0090	10/12/2018 12:17 CDT	30.12	64.99	57	0		4.99	0	0	49.3			29.83	29.63				
E0090	10/12/2018 12:31 CDT	30.12	66	53	0		8.99	0	0	48.28			29.83	29.64				
E0090	10/12/2018 12:46 CDT	30.11	66.99	55	4	15	8.99	0	0	50.21		NNE	29.82	29.6				
E0090	10/12/2018 13:00 CDT	30.1	66.99	55	2.01	33	7	0	0	50.21		NNE	29.81	29.59				
E0090	10/12/2018 13:15 CDT	30.09	66.99	52	2.01	11	4.99	0	0	48.69		N	29.8	29.6				
E0090	10/12/2018 13:30 CDT	30.08	69.01	52	2.01	238	4.99	0	0	50.57		WSW	29.79	29.55				
E0090	10/12/2018 13:45 CDT	30.08	70	52	2.01	227	4.99	0	0	51.49		SW	29.79	29.53				
E0090	10/12/2018 14:00 CDT	30.07	69.01	50	3	202	8.01	0	0	49.51		SSW	29.78	29.56				
E0090	10/12/2018 14:15 CDT	30.06	69.01	52	1.01	247	4.99	0	0	50.57		WSW	29.77	29.53				
E0090	10/12/2018 14:30 CDT	30.05	69.01	53	1.01	219	4.99	0	0	51.09		SW	29.76	29.51				
E0090	10/12/2018 14:45 CDT	30.04	68	52	4	249	7	0	0	49.63		WSW	29.75	29.53				
E0090	10/12/2018 15:00 CDT	30.04	68	52	2.01	276	4.99	0	0	49.63		W	29.75	29.53				
E0090	10/12/2018 15:15 CDT	30.04	68	53	0		4	0	0	50.15			29.75	29.52				
E0090	10/12/2018 15:30 CDT	30.03	68	55	1.01	261	4.99	0	0	51.15		W	29.74	29.5				
E0090	10/12/2018 15:45 CDT	30.03	68	54	1.01	269	3	0	0	50.65		W	29.74	29.51				
E0090	10/12/2018 16:00 CDT	30.03	66.99	57	0		4	0	0	51.17			29.74	29.5				
E0090	10/12/2018 16:15 CDT	30.02	66	58	3	309	7	0	0	50.72		NW	29.73	29.5				
E0090	10/12/2018 16:31 CDT	30.03	64.99	58	3	349	7	0	0	49.77		N	29.74	29.53				
E0090	10/12/2018 16:46 CDT	30.03	64	61	2.01	350	4.99	0	0	50.2		N	29.74	29.53				
E0090	10/12/2018 17:00 CDT	30.02	64	63	1.01	5	4	0	0	51.07		N	29.73	29.5				
E0090	10/12/2018 17:15 CDT	30.02	64	64	0		3	0	0	51.5			29.73	29.5				