

Weather Report

Derailment of Union Pacific RCL Train Y-GW51R-22
and employee fatality, Great Southwestern Yard
Arlington, TX
September 22, 2017
DCA17FR013

Weather Observation - The closest official weather reporting facility to the accident site was from Grand Prairie Municipal Airport (KGPM), Grand Prairie, TX located 3 ½ miles southeast of the of the accident site and from Arlington Municipal Airport (KGKY), Arlington, Texas, located 5 miles south of the site. The following table is for both airports with time in CDT.

ID	TIME	T	TD	RH	DIR	SPD	GST	ALT	SLP	VIS	CEIL	COV	WX
KGPM	1050	79	70	74	S	9.2		30.01		10	26	OVC	
KGPM	1150	82	70	66	SSE	9.2		30.00		10	31	BKN	
KGKY	1053	82	73	74	SE	12.7		29.99	1014.7	10	26	OVC	
KGKY	1151	84	73	70	SSE	10.4		29.99		10	31	BKN	
KGKY	1153	84	73	70	SSE	9.2		29.99	1014.4	10	31	BKN	

Weather reported at 1150 CDT at Grand Prairie Airport was wind from the south at 9.2 mph, visibility 10 miles or more, broken mid-level clouds, temperature 82 Fahrenheit (F), dew point 70° F, with a 66% relative humidity. No record of any precipitation during the past 24 hours.

Similar conditions were also reported at Arlington Municipal Airport at 1151 CDT, with wind from the south at 10.4 mph, visibility 10 miles or more, broken cloud cover, temperature 84° F, dew point 73° F, with a relative humidity of 70%. There was no recorded precipitation in the last 24 hours.

Astronomical Conditions – The United States Naval Observatory website indicated the following astronomical conditions for Arlington, Texas, Tarrant County, on September 22, 2017.

Beginning civil twilight	0652 CDT
Sunrise	0717 CDT
Sun transit	1321 CDT
Sunset	1925 CDT
End civil twilight	1949 CDT

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