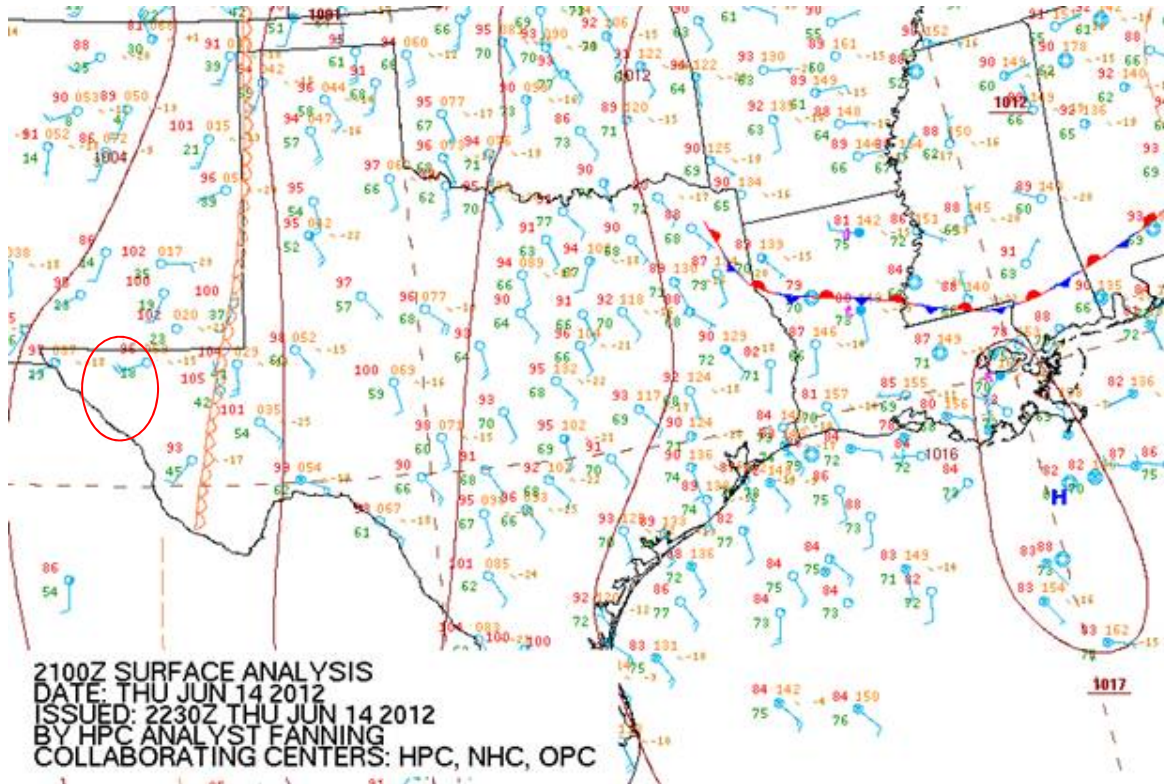
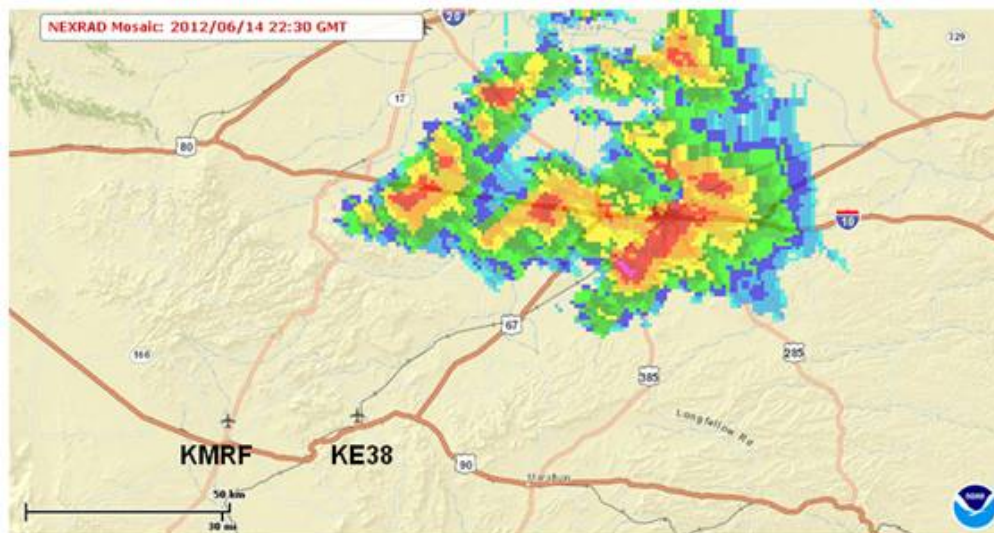


Weather conditions on June 14, 2012 for the Alpine, Texas area

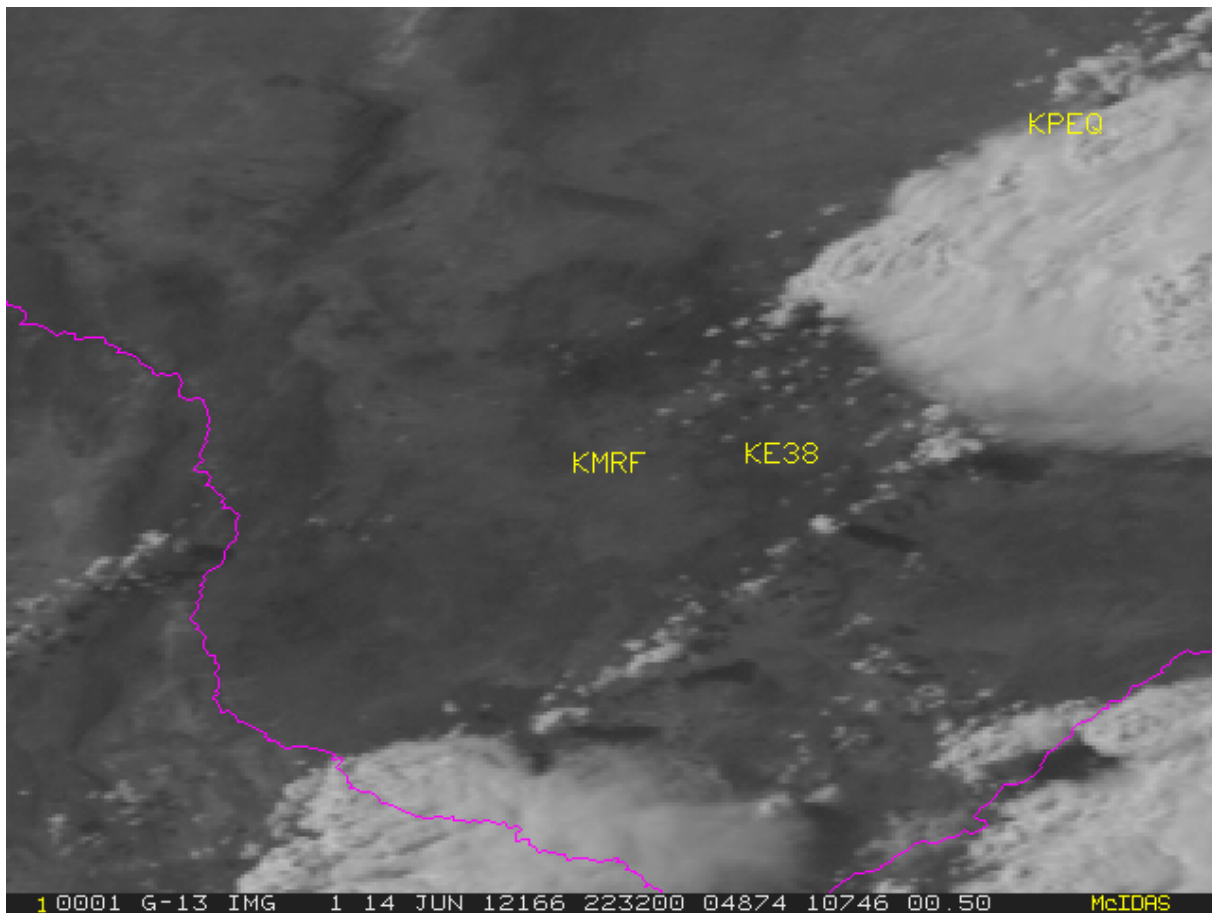
Large scale synoptic influences also to rule out any other influences over the area. Strong southerly flow noted across the area with the dry line located west of the accident site and Wink (KINK) near the New Mexico-Texas border. Station models at 1600 CDT (2100Z) at Wink (KINK) indicated sustained southerly wind of 15 knots with south-southeast wind at 15 knots at Midland (KMAF), skies clear below 12,000 feet, temperatures from 104 to 98 degrees Fahrenheit, with dew points in the 40's to 60 degrees F.



NWS Radar mosaic chart for 1730 CDT (2230Z) depicted several well defined intense to extreme intensity echoes approximately 30 miles north to northeast of the accident site along Interstate 10. Another area over Mexico southwest of the accident site. No weather echoes within 20 miles of Alpine, TX. The Midland/Odessa (KMAF) WSR-88D was reviewed in detail for any potential outflow boundaries in the vicinity or any potential dry microburst activity. The distance and terrain likely blocked the radar at low-altitude over the Alpine area, but there were no radar indications of any windshear at the time of the event over the KE38 area.



Satellite imagery – The GOES-13 visible imagery surrounding the period were reviewed. The image at 1732 CDT (2232Z) is attached and depicted a well-defined area of defined cumulonimbus clouds north through northeast of the area. No blowing dust or significant clouds observed over the area.



METARs - Alpine-Casparis Municipal Airport (KE38) at an elevation of 4,515 feet and a magnetic variation of 9 degrees East, had an un-augmented Automated Weather Observation System (AWOS) that issued reports every 20-minutes. The observations surrounding the period were as follows:

METAR KE38 142135Z AUTO 21014G23KT 10SM CLR 36/05 A2999 RMK AO2 T03630049=
METAR KE38 142155Z AUTO 17008G20KT 10SM CLR 36/05 A2997 RMK AO2 T03630050=
METAR KE38 142215Z AUTO 17015G25KT 10SM CLR 36/05 A2996 RMK AO2 T03620049=
METAR KE38 142235Z AUTO 19017G24KT 10SM CLR 37/05 A2996 RMK AO2 T03660046=
METAR KE38 142255Z AUTO 22014G22KT 10SM CLR 36/04 A2996 RMK AO2 T03620041=
METAR KE38 142315Z AUTO 17013G18KT 10SM CLR 36/04 A2995 RMK AO2 T03630044=
METAR KE38 142335Z AUTO 20012G17KT 10SM CLR 36/04 A2995 RMK AO2 T03630041=

METAR KE38 142155Z AUTO 17008G20KT 10SM CLR 36/05 A2997 RMK AO2 T03630050
METAR KE38 142200Z AUTO 17013G22KT 10SM CLR 36/05 A2997 RMK AO2 T03620050
METAR KE38 142205Z AUTO 20015G24KT 10SM CLR 36/05 A2997 RMK AO2 T03620051
METAR KE38 142210Z AUTO 19020G25KT 10SM CLR 36/05 A2997 RMK AO2 T03620050
METAR KE38 142215Z AUTO 17015G25KT 10SM CLR 36/05 A2996 RMK AO2 T03620049
METAR KE38 142220Z AUTO 19014G19KT 10SM CLR 36/05 A2997 RMK AO2 T03640049
METAR KE38 142225Z AUTO 21019G22KT 10SM CLR 37/05 A2996 RMK AO2 T03660048
METAR KE38 142230Z AUTO 19017G22KT 10SM CLR 37/05 A2996 RMK AO2 T03670047
METAR KE38 142235Z AUTO 19017G24KT 10SM CLR 37/05 A2996 RMK AO2 T03660046
METAR KE38 142240Z AUTO 19012G24KT 10SM CLR 37/05 A2996 RMK AO2 T03660045
METAR KE38 142245Z AUTO 21015G22KT 10SM CLR 37/04 A2996 RMK AO2 T03650044
METAR KE38 142250Z AUTO 21017G22KT 10SM CLR 36/04 A2996 RMK AO2 T03640043
METAR KE38 142255Z AUTO 22014G22KT 10SM CLR 36/04 A2996 RMK AO2 T03620041
METAR KE38 142305Z AUTO 19013G21KT 10SM CLR 36/04 A2996 RMK AO2 T03620041

NWS Forecast – the NWS Area Forecast expected VFR conditions over the area with widely scattered thunderstorms and light rain after 1900 CDT, with tops to 45,000 feet. No mention of winds in the forecast.

No AIRMETs for low-level turbulence over the area.