

**TRANS-PECOS WEATHER MODIFICATION ASSOCIATION - PECOS, TEXAS**

**SEEDING REPORT - July 26, 2016**

**SYNOPTIC/MESOSCALE CONDITIONS:**

Upper level low from the Gulf has brought plenty of moisture into the low levels this morning. Divergence aloft will be enhanced throughout the afternoon and interact with sufficient surface heating to help develop showers and storms. HRRR and WRF models are not real aggressive with storm development, therefore the expectation is that coverage will be limited. However, in past experiences with these "TUTT" lows, we should see more coverage than the models expect.

**LIFTING MECHANISM:**

Sufficient Surface Heating

**THERMODYNAMIC INDICES (12Z KMAF)**

Freezing Level (m)	4991	CAPE (J/Kg)	193
Precipitable Water (inches)	1.54	CINH (J/Kg)	143
LCL	1892	LI(°C)	-1.1
CCL	2978	PB	1
MAF ICA	-2.68	DRT ICA	-
Cloud Base (meters)	3048	Cloud Base Temp (°C)	10
Warm Cloud Depth (meters)	1943		

**DISCUSSION:**

PILOT GOT AIRBORNE AT 1930Z AS SHOWERS AND STORMS WERE APPROACHING FROM THE EAST NORTHEAST. MEANWHILE, ADDITIONAL DEVELOPMENT WAS TAKING PLACE ACROSS THE TARGET AREA. STORMS WERE SEEDED QUICKLY IN WARD COUNTY THROUGH THE 2030Z HOUR BEFORE PUSHING OFF TO THE NORTHWEST IN LOVING COUNTY. STORMS WERE WIDESPREAD ACROSS THE NORTHERN HALF OF THE TARGET AREA, BUT MUCH OF THE ACTIVITY WAS BECOMING OUTFLOW DOMINATE AS CLOUD COVERAGE WAS QUICKLY INCREASING. STILL, WE WERE ABLE TO FIND ADDITIONAL STORMS TO SEED IN LOVIGN COUNTY THROUGH 2130Z. BY THIS POINT, MUCH OF THE CLOUD COVERAGE HAS ENGULFED THE AREA AND INFLOW WAS HARD TO FIND. PILOT RTB'D FOR FUEL/FLARES BUT A RELAUNCH WAS NOT NECESSARY.

**ADDITIONAL NOTES:**

Per management, a 20-mile radius around Coyanosa should not be seeded, as well as any storms that may impact that area from any direction. Farmers will be harvesting over the next 2 weeks and requested this.

**WARNING/WATCHES:**

None

**SEEDED CELL ID'S:**

947	1398	1514							
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**FLIGHT INFORMATION:**

TIME (Z)	Plane	Flare Location	County
1930	26P	IN AIR	
1947	26P	061° @ 15 nm	WARD
1949	26P	060° @ 15 nm	WARD
1951	26P	060° @ 15 nm	WARD
1953	26P	070° @ 16 nm	WARD
1955	26P	070° @ 16 nm	WARD
2008	26P	075° @ 26 nm	WARD
2016	26P	070° @ 31 nm	WARD
2017	26P	070° @ 32 nm	WARD
2023	26P	070° @ 31 nm	WARD
2100	26P	010° @ 26 nm	LOVING
2101	26P	010° @ 26 nm	LOVING
2107	26P	355° @ 23 nm	LOVING

2108	26P	355° @ 23 nm	LOVING
2109	26P	355° @ 22 nm	LOVING
2111	26P	355° @ 22 nm	LOVING
2127	26P	320° @ 28 nm	LOVING
2130	26P	RTB	

Seeding operations were conducted in Ward (21) and Loving (15) Counties. 36 flares were burned within 3 clouds. This is the 4<sup>th</sup> day for seeding in July and the 6<sup>th</sup> day for seeding during the season.