

TRANS-PECOS WEATHER MODIFICATION ASSOCIATION - PECOS, TEXAS

SEEDING REPORT - August 19, 2016

SYNOPTIC/MESOSCALE CONDITIONS:

There are some light showers out there across parts of Tom Green, Irion and Schleicher County. Through the early morning hours, these showers will push off east of the target area leaving conditions dry for much of the morning. With that said, abundant moisture and favorable dynamics aloft should lead to more showers and storms this afternoon. Although conditions stayed dry across much of the area yesterday, we should have a little more support aloft to help initiate at least a few showers. Still, however, the latest HRRR model keeps both areas dry this afternoon with much of the convection either east of us or well to our south across the Big Bend region into northern Mexico.

LIFTING MECHANISM:

COLD FRONT

THERMODYNAMIC INDICES (12Z KMAF)

Freezing Level (m)	4682	CAPE (J/Kg)	606
Precipitable Water (inches)	1.52	CINH (J/Kg)	34
LCL	1061	LI(°C)	-2.3
CCL	2137	PB	3
MAF ICA	-4.24	DRT ICA	-
Cloud Base (meters)	2133	Cloud Base Temp (°C)	18
Warm Cloud Depth (meters)	2548		

DISCUSSION:

A VERY MOIST ATMOSPHERE WAS IN PLACE THROUGH THE MORNING BUT CLEAR SKIES REMAINED ACROSS MUCH OF THE AREA. HOWEVER, AS WE PUSHED INTO THE NOON HOUR, ISOLATED SHOWERS WERE MOVING NORTHWARD FROM THE BIG BEND REGION INTO THE HIGHER TERRAIN AREAS OF THE TRANS-PECOS, DESPITE WHAT MORNING MODELS SUGGESTED. BY 19Z, A CU FIELD DEVELOPED AHEAD OF THE EXTENSIVE CLOUD COVERAGE WHICH ENDED UP POPPING UP A FEW STORMS. PILOTW AS CALLED AIROBORNE AT THIS TIME AND WE'LL GO INVESTIGATE THESE STORMS BEFORE BECOMING ENGULFED IN THE LOW CLOUD DECK MOVING IN FROM THE NORTH. INITIAL TARGET PROVIDED NO INFLOW BEFORE DISSIPATING. HOWEVER, WE PUSHED BACK TO THE NORTHEAST TOWARDS THE REEVES/WARD COUNTY BORDER WHERE A SOLID CELL HAD DEVELOPED. WE WERE ABLE TO FIND A FEW AREAS OF INFLOW IN WHICH ALLOWED US TO SEED WITH 6 TOTAL FLARES. WITH THAT SAID, BY 2010Z, MUCH OF THE CONVECTION FADED OUT AND ENDED UP BECOMING STRATIFORM AS THE LOW CLOUD DECK WAS SPREADING FURTHER NORTH. THE ONE STORM WE DID GET TO SEED, DID SEEM TO RESPOND SO SEEDING CONTINUED INTO THE 2030Z HOUR. ONCE THIS CELL BEGAN TO DISSIPATE, CLOUD COVERAGE WAS BECOMING AN ISSUE. WITH NO MORE TARGETS, PILOT RTB'D AT 2030Z. WE'LL CONTINUE TO KEEP AN EYE ON THE CONDITIONS IN CASE WE NEED TO RE-LAUNCH.

WARNING/WATCHES:

None

SEEDED CELL ID'S:

2254								
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FLIGHT INFORMATION:

TIME (Z)	Plane	Flare Location	County
1925	26P	IN AIR	
1951	26P	105° @ 19 nm	REEVES
1954	26P	095° @ 23 nm	WARD
2000	26P	090° @ 26 nm	WARD
2018	26P	090° @ 20 nm	WARD
2019	26P	085° @ 20 nm	WARD
2020	26P	080° @ 20 nm	WARD
2030	26P	RTB	

Seeding operations were conducted Reeves (2) and Ward (10) Counties. 12 flares were burned within 1 cloud. This is the 6th day for seeding in August and the 12th day for seeding during the season.