

TRANS-PECOS WEATHER MODIFICATION ASSOCIATION - PECOS, TEXAS

SEEDING REPORT - September 7, 2016

SYNOPTIC/MESOSCALE CONDITIONS:

A band of heavy showers are pushing into western Reeves County this morning with the rest of the Trans-Pecos and Concho Valley remaining dry. Ridging aloft will keep the Concho Valley dry today but as the western edge of the ridge slowly advances eastward, rain chances for the Trans-Pecos continues to look likely. The band of showers currently within the western edge of the Trans-Pecos is expected to dissipate and move off to the north. Some heating may allow for the atmosphere to destabilize enough for at least isolated showers and storms later this afternoon.

LIFTING MECHANISM:

UPPER LOW

THERMODYNAMIC INDICES (12Z KMAF)

Freezing Level (m)	4915	CAPE (J/Kg)	656
Precipitable Water (inches)	1.82	CINH (J/Kg)	101
LCL	1264	LI(°C)	-2.6
CCL	1660	PB	2
MAF ICA	-4.96	DRT ICA	-
Cloud Base (meters)	2590	Cloud Base Temp (°C)	14
Warm Cloud Depth (meters)	2324		

DISCUSSION:

CONDITIONS WERE QUIET THROUGH MUCH OF THE AFTERNOON, HOWEVER, BY 2030 SHOWERS AND STORMS BEGAN TO BUILD ACROSS THE CENTRAL AND WESTERN PARTS OF REEVES COUNTY. PILOT WAS CALLED AIRBORNE AT THIS TIME AND SHOULD BE UP BY 2115Z. WITH HIGH PRECIPITABLE WATER VALUES, WE WILL HAVE TO KEEP AN EYE ON ANY POTENTIAL FLASH FLOODING ISSUES. SEEDING TOOK PLACE IMMEDIATELY AS WE NEARED TOYAH. HOWEVER, AS WE CONTINUED TO LOOK FOR INFLOW IN THE TWO WESTERN STORMS, DEVELOPMENT BEGAN TO EASE AND STORMS BEGAN TO SETTLE DOWN A BIT. WE'LL CONTINUE TO LOOK FOR THE FAVORABLE PORTIONS OF THESE STORMS BEFORE WE PUSH A BIT FUTHER EAST. PILOT WAS REPORTING RAGGED BASES WITH LITTLE ORGANIZATION. THIS IS LIKELY DUE TO THE AMOUNT OF MOISTURE IN THE ATMOSPHERE. WE BOUNCED AROUND TO DIFFERENT CLOUDS BUT THE STORY WAS THE SAME, RAGGED BASES AND/OR QUICKLY RAINING OUT CONVECTION. ALTHOUGH SOME OF THESE STORMS LOOKED GOOD, THEY WERE BECOMING HEAVILY EMBEDDED. WE'LL TAKE A LOOK AT A FEW MORE POP UP STORMS JUST SOUTH OF PECOS AND SEE WHAT THEY HAVE TO OFFER AS WE GET THROUGH THE 21Z HOUR. THIS AREA PROVIDED SOME GOOD OPPORTUNITY FOR SEEDING ONCE WE GOT OVER TO THE EAST SIDE OF THE STORMS. WE SEEDED ALONG THE PECOS RIVER IN WARD COUNTY THROUGH 2230Z AND WORKED OUR WAY BACK SOUTH JUST AFTER 2230Z. HOWEVER, WE WERE LOSING BASES AS THEY WERE ONCE AGAIN BECOMING RAGGED. LATEST RADAR ALSO SHOWED A LOT OF THE STORMS WERE BECOMING HEAVILY EMBEDDED. AFTER SEVERAL ATTEMPTS TO SEED THIS STORM FURTHER, WE DECIDED TO RTB AT 2300Z.

WARNING/WATCHES:

N/A

SEEDED CELL ID'S:

1558	1730	1614						
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FLIGHT INFORMATION:

TIME (Z)	Plane	Flare Location	County
2105	26P	IN AIR	
2119	26P	235° @ 11 nm	REEVES
2122	26P	240° @ 11 nm	REEVES
2153	26P	120° @ 05 nm	REEVES
2200	26P	120° @ 06 nm	REEVES
2203	26P	070° @ 04 nm	REEVES

2211	26P	010° @ 18 nm	WARD
2214	26P	020° @ 22 nm	WARD
2215	26P	030° @ 24 nm	WARD
2217	26P	040° @ 26 nm	WARD
2232	26P	080° @ 22 nm	WARD
2233	26P	085° @ 22 nm	WARD
2235	26P	090° @ 23 nm	WARD
2300	26P	RTB	

Seeding operations were conducted in Ward (16) and X (10) Counties. 26 flares were burned within 3 clouds. This is the 2nd day for seeding in September and the 16th day for seeding during the season.