

TRANS-PECOS WEATHER MODIFICATION ASSOCIATION - PECOS, TEXAS

SEEDING REPORT - August 9, 2016

SYNOPTIC/MESOSCALE CONDITIONS:

Upper level ridging continues today but despite this we could see some isolated showers and storms across either target area. This morning, showers were ongoing across portions of the Big County into the lower Texas Panhandle. Much of this activity should remain north before dissipating this morning. Yesterday, a few storms developed across the lower Trans-Pecos and we could see a similar situation develop today. The latest HRRR and WRF models remain dry across both areas today but with the development of storms yesterday, I cannot rule out additional isolated convection. I'll run with slight rain chances across the Trans-Pecos where development is more likely this afternoon.

LIFTING MECHANISM:

SUFFICIENT SURFACE HEATING, UPPER LEVEL SHORTWAVE

THERMODYNAMIC INDICES (12Z KMAF)

Freezing Level (m)	4797	CAPE (J/Kg)	269
Precipitable Water (inches)	1.58	CINH (J/Kg)	103
LCL	2270	LI(°C)	-2.7
CCL	2747	PB	2
MAF ICA	-0.96	DRT ICA	-
Cloud Base (meters)	3352	Cloud Base Temp (°C)	10
Warm Cloud Depth (meters)	1444		

DISCUSSION:

SHOWERS AND STORMS FIRED UP ALONG THE HIGHER TERRAIN OF THE TRANS-PECOS EARLIER THEN USUAL. STORMS SLOWLY DRIFTED NORTHWARD THROUGH THE 18 AND 19Z HOURS. A FEW ADDITIONAL STORMS WERE ONGOING BETWEEN THE TPWMA AND WTWMA TARGET AREA NEAR FORT STOCKTON. HOWEVER, THESE WERE SHORT LIVED. BACK TO THE TRANS-PECOS, NEAR BALMORHEA, STORMS WERE SLOWLY DISSIPATING THE FURTHER NORTH THEY GOT. HOWEVER, PILOT IS ON STANDBY AND MAY LAUNCH SHORTLY. PILOT LAUNCHED AND HEADED TO THE SOUTH WHERE A LINE OF CONVECTION WAS ONGOIN. WE SEEDED THIS INITIAL LINE BEFORE STORMS DEVELOPED OFF TO THE NORTH. WE WORKED OUR WAY BACK TO THE NORTH AND CONTINUED SEEDING CONVECTION UNTIL WE ENDED UP JUST WEST OF PECOS, TX. AT THIS POINT, PILOT WAS RUNNING LOW ON FLARES AND DEVELOPMENT WAS BECOMING A BIT MORE RELAXED. PILOT REFLARED AIRCRAFT BUT DID NOT NEED TO RELAUNCH AS MUCH OF THE SEEDABLE ACTIVITY PUSHED NORTH INTO NEW MEXICO AND WINK/ECTOR COUNTIES.

WARNING/WATCHES:

None

SEEDED CELL ID'S:

2275								
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FLIGHT INFORMATION:

TIME (Z)	Plane	Flare Location	County
2005	26P	IN AIR	
2020	26P	190° @ 11 nm	REEVES
2022	26P	190° @ 10 nm	REEVES
2030	26P	160° @ 19 nm	REEVES
2034	26P	150° @ 22 nm	REEVES
2036	26P	150° @ 21 nm	REEVES
2051	26P	175° @ 06 nm	REEVES
2058	26P	290° @ 03 nm	REEVES
2059	26P	290° @ 05 nm	REEVES
2102	26P	280° @ 03 nm	REEVES
2112	26P	295° @ 19 nm	REEVES

2113	26P	290° @ 20 nm	REEVES
2114	26P	290° @ 19 nm	REEVES
2116	26P	295° @ 22 nm	REEVES
2118	26P	295° @ 22 nm	REEVES
2123	26P	300° @ 24 nm	REEVES
2130	26P	RTB	

Seeding operations were conducted Reeves (36) County. 36 flares were burned within 1 cloud. This is the 3rd day for seeding in August and the 9th day for seeding during the season.