

TRANS-PECOS WEATHER MODIFICATION ASSOCIATION - PECOS, TEXAS

SEEDING REPORT - August 25, 2016

SYNOPTIC/MESOSCALE CONDITIONS:

The upper level ridge has retrograded a bit further to the west today which should keep conditions dry across the WTWMA target area. Meanwhile, more showers and storms are possible across the Trans-Pecos which did threaten areas of Reagan and Crockett Counties yesterday, but never made it into these counties. Today should be very similar to yesterday, though we'll see more convection and less stratiform development. Showers and storms will likely across the TPWMA target area while I will keep slight rain chances in the forecast for areas west of a Sterling City to Ozona line for the WTWMA.

LIFTING MECHANISM:

UPPER LOW

THERMODYNAMIC INDICES (12Z KMAF)

Freezing Level (m)	4709	CAPE (J/Kg)	875
Precipitable Water (inches)	1.40	CINH (J/Kg)	133
LCL	1086	LI(°C)	-4.7
CCL	2676	PB	4
MAF ICA	-1.52	DRT ICA	-
Cloud Base (meters)	2438	Cloud Base Temp (°C)	14
Warm Cloud Depth (meters)	2271		

DISCUSSION:

WIDESPREAD SHOWERS ACROSS THE MOUNTAINS OF CULBERSON COUNTY FADED AWAY BUT CREATED A LARGE ANVIL ACROSS THE REGION. THIS KEPT TEMPERATURES VERY COOL MUCH OF THE DAY, HOWEVER, FURTHER EAST, STORMS FIRED UP ALONG CRANE COUNTY AND AREAS TO THE SOUTH IN PECOS COUNTY BETWEEN TARGET AREAS. BY 2120Z, THIS DEVELOPMENT BEGAN TO THREATEN WARD COUNTY. SO A PILOT WAS CALLED INTO AIR AND SHOULD LAUNCH AROUND 2145Z. BY THIS POINT, CONVECTION WAS CERTAINLY GOING AND DID IMPACT SEEDABLE AREAS OF PECOS COUNTY AND WILL SOON IMPACT WARD COUNTY. WE'LL HEAD OUT THAT WAY AND SEE WHAT WE CAN DO. WHILE PILOT WAS IN ROUTE, OUTFLOW BOUNDARIES BEGAN TO BLOW OFF OF THE MAIN LINE WHICH PUSHED CONVECTION WESTARD INTO WARD AND PECOS COUNTIES. WE'LL GET ALONG THE SOUTHERN EDGE AND WORK OUR WAY NORTH. MAIN ISSUE IS INTENSITY RIGHT NOW, AS SOME HAIL MAY BE POSSIBLE AND THE POTENTIAL OF A WARNING COMING FROM THE NWS. SEEDING BEGAN QUICKLY AND INFLOW WAS NO PROBLEM TO FIND. STORMS WERE FIRING ALL OVER WARD COUNTY AND PARTS OF PECOS COUNTY. WE'LL GET WITHIN THE FAVORABLE AREAS AND MANGAGE THE CLUSTER OF CONVECTION THE BEST WE CAN. AS WE PUSHED NORTH INTO WARD COUNTY, INFLOW WAS HARDER TO FIND. REFLECTIVITY ON RADAR WASN'T AS SHARP, SO WE'LL HEAD BACK SOUTH AND SEE IF WE CAN FIND MORE INFLOW NEAR PYOTE. THE MAIN LINE, AS OF 2240Z, WAS LOOKING TO STABILIZE A BIT. THERE IS HOWEVER, MORE STORMS FIRING TO THE SOUTH SO WE MAY GO CHECK THOSE OUT IN A BIT. WE WORKED THE SOUTHERN EDGE AND CONTINUED TO WORK OTHER CONVECTION THAT FIRED UP FURTHER SOUTH NEAR FORT STOCKTON. HOWEVER, WE HAD TO PULL OFF AS A FLOOD WARNING WAS ISSUED. WE'LL HEAD FURTHER SOUTH AND CHECK OUT OTHER SCATTERED STORMS BEFORE CALLING IT A NIGHT. WE DECIDED TO RTB HOWEVER WHEN THOSE CELLS FELL APART.

WARNING/WATCHES:

FLOOD WARNING - PECOS/WARD

SEEDED CELL ID'S:

307	961	959						
-----	-----	-----	--	--	--	--	--	--

FLIGHT INFORMATION:

TIME (Z)	Plane	Flare Location	County
2145	26P	IN AIR	
2205	26P	105° @ 31 nm	PECOS

2206	26P	105° @ 30 nm	PECOS
2207	26P	100° @ 31 nm	PECOS
2215	26P	100° @ 24 nm	PECOS
2222	26P	105° @ 28 nm	PECOS
2229	26P	060° @ 26 nm	WARD
2231	26P	070° @ 27 nm	WARD
2239	26P	070° @ 25 nm	WARD
2241	26P	075° @ 23 nm	WARD
2242	26P	075° @ 23 nm	WARD
2243	26P	085° @ 22 nm	WARD
2255	26P	115° @ 33 nm	PECOS
2257	26P	110° @ 32 nm	PECOS
2300	26P	100° @ 32 nm	PECOS
2310	26P	RTB	

Seeding operations were conducted Pecos (18) and Ward (12) Counties. 30 flares were burned within 3 clouds. This is the 7th day for seeding in August and the 13th day for seeding during the season.