

TRANS-PECOS WEATHER MODIFICATION ASSOCIATION - PECOS/BARSTOW, TEXAS

SEEDING REPORT - June 03, 2017

SYNOPTIC/MESOSCALE CONDITIONS:

Dynamics aloft will be better further east today, however that should allow for sufficient surface heating to take place across the area today. If we can get some surface lift, showers and storms are possible during peak heating. CAPE values will be better further north where upper dynamics are better, therefore it appears best rain chances will extend along and north of I-10 across the Trans-Pecos.

LIFTING MECHANISM:

Sufficient Surface Heating

THERMODYNAMIC INDICES (12Z KMAF)

Freezing Level (m)	4236	CAPE (J/Kg)	544
Precipitable Water (inches)	1.26	CINH (J/Kg)	98
LCL	933	LI(°C)	-3.2
CCL	2329	PB	3
MAF ICA	0.76	DRT ICA	-1.96
Cloud Base (meters)	2529	Cloud Base Temp (°C)	9.4
Warm Cloud Depth (meters)	1707		

DISCUSSION:

NUMEROUS CONVECTION ONGOING EAST AND NORTHEAST OF THE TARGET AREA, BUT BY 2030Z, A FEW CU WERE DEVELOPING ACROSS WARD/LOVING COUNTIES. THIS DEVELOPMENT BECAME INTERESTING ENOUGH TO WARRANT A LAUNCH AT 2045Z. WE'LL HEAD THAT WAY AND SEE WHAT IS TAKING PLACE AS TEMPERATURES ARE WELL INTO THE UPPER 80'S. ADDITIONALLY, DEW POINTS WERE VERY FAVORABLE AS WELL. LATEST SAT IMAGERY SUGGEST WE COULD SEE RAPID WIDESPREAD DEVELOPMENT SHORTLY. STORMS WERE SEEDED IN WARD COUNTY THROUGH 2130Z WITH DEVELOPMENT BECOMING MORE WIDESPREAD. SEEDING CONTINUED IN WARD COUNTY BUT AS THE LARGER STORM WAS EXITING THE AREA, WE MOVED BACK WEST TOWARDS PYOTE. THIS DEVELOPMENT WAS FALLING APART RAPIDLY, SO WE'LL MOVE EVEN FURTHER WEST TO THE NORTH OF PECOS. IF THIS DOESN'T WORK OUT, THEN WE'LL HEAD NORTHWEST TOWARDS THE RED BLUFF RESEVOIR WHERE STORMS WERE ENTERING THE AREA FROM NEW MEXICO. HOWEVER, AS WE APPROACHED THESE CELLS, THEY ALSO FELL APART. WITH NO MORE TARGETS, WE'LL RTB AND STANDBY FOR POSSIBLE RELAUNCH.

WATCHES/WARNINGS:

NONE

SEEDED CELL ID'S:

3307	3294	3469							
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FLIGHT INFORMATION:

TIME (Z)	Plane	Flare Location	County
2040	26P	IN AIR	
2055	26P	058° @ 25 nm	WARD
2057	26P	058° @ 25 nm	WARD
2106	26P	053° @ 31 nm	WARD
2108	26P	053° @ 32 nm	WARD
2123	26P	053° @ 20 nm	WARD
2132	26P	072° @ 26 nm	WARD
2137	26P	074° @ 27 nm	WARD
2140	26P	077° @ 28 nm	WARD
2215	26P	RTB	

Seeding operations were conducted over X (X) and X (X) Counties. X flares were burned within X2 clouds. This is the 2nd day for seeding in June and the 3rd day for seeding during the season.