

TRANS-PECOS WEATHER MODIFICATION ASSOCIATION - PECOS, TEXAS

SEEDING REPORT - August 8, 2016

SYNOPTIC/MESOSCALE CONDITIONS:

Upper high/ridge should continue to dominate the region today. This should lead to hot and dry weather across much of both target areas, but some isolated showers could develop over the higher terrain areas of the Trans-Pecos. If so, a few of these storms may push over the adjacent plains, and with temperatures in the low 100's, we could see a few isolated storms along and south of a line from Pecos to Fort Stockton.

LIFTING MECHANISM:

SUFFICIENT SURFACE HEATING

THERMODYNAMIC INDICES (12Z KMAF)

Freezing Level (m)	5200	CAPE (J/Kg)	237
Precipitable Water (inches)	1.03	CINH (J/Kg)	276
LCL	2022	LI(°C)	-1.3
CCL	3478	PB	1
MAF ICA	-0.68	DRT ICA	-
Cloud Base (meters)	3352	Cloud Base Temp (°C)	10
Warm Cloud Depth (meters)	1848		

DISCUSSION:

A FEW ISOLATED SHOWERS DEVELOPED ACROSS PARTS OF THE TRANS-PECOS THROUGH 21Z. BY 22Z, IT APPEARED MUCH OF THE CONVECTION WOULD REMAIN MARGINAL AND/OR SHORT LIVED. HOWEVER, BY 2310Z, DEVELOPMENT BECAME MUCH MORE ORGANIZED ESPECIALLY ALONG I-10 FROM FORT STOCKTON TO BALMOREAH. PILOT WAS CALLED AIRBORNE AND WILL HEAD SE FROM PECOS AND GET ON THE NORTERN EDGE OF THESE CELLS. BY THE TIME WE REACHED THE MAIN LINE, IT BEGAN TO WEAKEN. HOWEVER, WE WERE STILL ABLE TO LOCATE A FEW BATCHES OF INFLOW AS WE TRIED TO GET THE STORM TO RECYCLE. HOWEVER, A TEMPERATURE DROP OF 7° IN 10 MIN IN COYANOSA INDICATED THE STORM BECAME OUTFLOW DOMINATE. WE PUSHED NORTH TOWARDS COYANOSA WHERE ANOTHER CELL DEVELOPED AND FOUND INFLOW RIGHT AWAY. WE GOT A FEW BATCHES OF FLARES IN BEFORE THIS BECAME OUTFLOW DOMINATE BUT THE STORM DID RESPOND POSITIVELY TO OUR SEEDING EFFORTS. WE'LL CHECK ONE MORE CELL OUT BEFORE CALLING IT A NIGHT AS SUNSET BEGAN TO IMPACT VISIBILITY.

WARNING/WATCHES:

None

SEEDED CELL ID'S:

948									
-----	--	--	--	--	--	--	--	--	--

FLIGHT INFORMATION:

TIME (Z)	Plane	Flare Location	County
2340	26P	IN AIR	
0012	26P	140° @ 19 nm	REEVES
0020	26P	130° @ 27 nm	PECOS
0032	26P	120° @ 25 nm	PECOS
0034	26P	120° @ 31 nm	PECOS
0045	26P	RTB	

Seeding operations were conducted Reeves (3) and Pecos (7) Counties. 10 flares were burned within 2 clouds. This is the 2nd day for seeding in August and the 9th day for seeding during the season.