

TRANS-PECOS WEATHER MODIFICATION ASSOCIATION - PECOS, TEXAS

SEEDING REPORT - June 26, 2016

SYNOPTIC/MESOSCALE CONDITIONS:

Tropical upper level low should continue its north northwest movement out of the Concho Valley into the Permian Basin. Wrap around moisture should impact parts of the northern Trans-Pecos late this afternoon into the evening hours. Additionally, convection along the mountains within Jeff Davis county should fire up and could move over the adjacent plains where an unstable atmosphere is expected. Latest HRRR model does suggests some convection, both from the north and south, making into the target area by 21Z. Therefore, slight to likely rain chances are expected.

LIFTING MECHANISM:

Upper Level Low

THERMODYNAMIC INDICES (12Z KMAF)

Freezing Level (m)	4579	CAPE (J/Kg)	939
Precipitable Water (inches)	1.31	CINH (J/Kg)	170
LCL	1112	LI(°C)	-3.3
CCL	2801	PB	4
MAF ICA	.02	DRT ICA	-
Cloud Base (meters)	2590	Cloud Base Temp (°C)	17
Warm Cloud Depth (meters)	1988		

DISCUSSION:

WTWMA PILOT TOOK OFF AT 1830Z TO TRAIN NEW TRANS-PECOS PILOT. HE ARRIVED IN PECOS BY 3PM, BUT NO CONVECTION WAS ONGOING WITHIN THE TARGET AREA. AN UPPER LEVEL LOW CONTINUES TO SPIN, TO THE EAST, BUT WITH CONVECTION DISSIPATING. WITH THAT SAID, HIGH TERRAIN CONVECTION WAS ONGOING ACROSS THE DAVIS MOUNTAINS AND DID APPEAR TO BE SLOWLY SLIDING TO THE NNE, NEARING THE ADJACENT PLAINS OF THE TRANS-PECOS. WE'LL KEEP AN EYE ON THIS THROUGH THE 20Z HOUR WITH ANTICIPATION OF THE STORMS MOVING INTO THE SEEDABLE PORTIONS OF THE TARGET AREA. DECISION WAS MADE TO LAUNCH AT 2145Z TO GO TAKE A LOOK AT SOME AGITATED CU. IF NOTHING ELSE, THIS WILL GET THE NEW PILOT UNDER SOME CLOUDS. AS THEY GOT AIRBORNE, A FEW A FEW CELLS BEGAN TO DEVELOP ALONG AN OUTFLOW BOUNDARY. WE'LL TARGET THE FIRST STORM JUST WITHIN REEVES COUNTY TO THE WEST OF FORT STOCKTON. THIS STORMW AS SEEDED EFFICIENTLY AND BLEW UP THROUGH THE 2230Z PERIOD. ANOTHER CELL IS DEVELOPING FURTHER WEST, WE'LL MOVE TO THAT NEXT. AS WE APPROACHED THIS STORM, IT BEGAN TO DISSIPATE. WE'LL HEAD BACK TO THE EAST NORTHEAST TOWARDS WARD/REEVES/CRANE COUNTY AND TAKE A PEAK AT A STORM ON THE WESTERN EDGE OF A LINE THAT IS JUST WITHIN THE TARGET AREA. THIS PARTICULAR CELL DIDN'T DO MUCH, BUT WE DID FIND ANOTHER CELL THAT WAS DEVELOPING BETWEEN THE TWO PREVIOUS CELLS WE WORKED. THIS STORM, HOWEVER, WAS JUST A QUICK POP UP AND RAIN OUT. IT QUICKLY DISSIPATED AFTER JUST A FEW MINUTES. THEREFORE, AT 2310Z, WE DECIDED TO RTB AS ALL CONVECTION WAS EITHER EFFICIENTLY SEEDED AND/OR DISSIPATING.

WARNING/WATCHES:

None

SEEDED CELL ID'S:

4400	4485							
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FLIGHT INFORMATION:

TIME (Z)	Plane	Flare Location	County
2150	26P	IN AIR	
2215	26P	145° @ 31 nm	PECOS
2218	26P	143° @ 31 nm	PECOS
2222	26P	143° @ 30 nm	PECOS
2223	26P	143° @ 30 nm	PECOS

2226	26P	141° @ 39 nm	PECOS
2232	26P	144° @ 36 nm	PECOS
2238	26P	160° @ 22 nm	REEVES
2310	26P	RTB	

Seeding operations were conducted Pecos (12) and Reeves (2) Counties. 14 flares were burned within 2 clouds. This is the 1st day for seeding in June and the 1st day for seeding during the season.