

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

SEEDING REPORT - August 24, 2017

SYNOPTIC/MESOSCALE CONDITIONS:

Southwesterly flow aloft will work in conjunction with abundant surface moisture to help initiate shower and storms. It appears the best shot will be across western sections of the Trans-Pecos where a weak dryline is set up. Although dynamics aloft are favorable, surface conditions will not favor organized development. Therefore, do not expect any severe weather with today's convection.

LIFTING MECHANISM:

Sufficient Surface Heating, Cold Front

THERMODYNAMIC INDICES (12Z KMAF)

Freezing Level (m)	4733	CAPE (J/Kg)	168
Precipitable Water (inches)	1.3	CINH (J/Kg)	46
LCL	1061	LI(°C)	-1.3
CCL	2286	PB	1
MAF ICA	-4.68	DRT ICA	-
Cloud Base (meters)	2519	Cloud Base Temp (°C)	13
Warm Cloud Depth (meters)	2213		

DISCUSSION:

SHOWERS AND STORMS WERE ONGOING ACROSS SOUTHERN NEW MEXICO INTO THE NORTHERN EDGES OF THE TRANS-PECOS. METEOROLOGIST WAS OUT OF TOWN FOR TDLR MEETING, BUT UPON ARRIVAL BACK TO SJT PILOT GOT AIRBORNE. REGARDLESS, CONVECTION WAS HEAVILY EMBEDDED FROM VAN HORN NORTHEASTWARD TOWARDS WINK. PILOT WILL FLY ALONG A SOUTH TO NORTH HEADING AHEAD OF THE CONVECTION TO SEE WHAT WE HAVE TO WORK WITH. PILOT ARRIVED TO LARGER SHOWER SYSTEM IN CULBERSON/REEVES COUNTY. STORM WAS NUDGING FORWARD INTO REEVES COUNTY WHICH PROVIDED A SMALL WINDOW FOR SEEDING OPPORTUNITY. WE TOOK IT AND FIRED TWO DOSAGES OF GLACIOGENIC FLARES BUT PILOT WAS GETTING INTO SOME HEAVILY EMBEDDED CLOUD COVERAGE/VIRGA. WE'LL MOVE OFF TO THE NE JUST TO THE N OF TOYAH WHERE NEW DEVELOPMENT WAS ONGOING. HOWEVER, IT APPEARS THE ANVIL FROM LARGER SYSTEM TO WEST HAS BLOCKED ANY ADDITIONAL HEATING. STILL, ONE DOSAGE OF SEEDING TOOK PLACE IN THIS CLUSER OF NEW SHOWER/STORM DEVELOPMENT. PILOT TRIED TO GIVE OTHER SHOWERS A FAIR SHOT, BUT MOTHER NATURE WAS NOT PLAYING ALONG TODAY. WE'LL RTB AT 22Z AND REGROUP FOR TOMORROW.

WATCHES/WARNINGS:

N/A

SEEDED CELL ID'S:

2735	2891								
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FLIGHT INFORMATION:

TIME (Z)	Plane	Flare Location	County
2115	26P	IN AIR	
2136	26P	240° @ 25 nm	REEVES
2137	26P	240° @ 25 nm	REEVES
2146	26P	260° @ 16 nm	REEVES
2200	26P	RTB	

Seeding operations were conducted over Reeves (6) County. 6 flares were burned within 2 clouds. This is the 1st day for seeding in August and the 8th day for seeding during the season.