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

SEEDING REPORT – June 28, 2018

SYNOPTIC/MESOSCALE CONDITIONS:
Upper ridge will hold strong for at least one more day resulting in dry weather conditions across much of both target areas. An upper trough over the Pacific Northwest will push eastward today resulting in southwesterly flow aloft developing across Far West Texas. This could lead some overnight showers/storms across extreme western areas of the Trans-Pecos during the overnight hours. A few showers/storms may try to develop this afternoon, but confidence is low as the upper level support won't be there just yet. I will put slight rain chances in for tonight for the Trans-Pecos.

LIFTING MECHANISM:
Upper Level Dynamics

THERMODYNAMIC INDICES (12Z KMAF)

Freezing Level (m)	4977	-15°C Height (m)	6500
Precipitable Water (inches)	0.94	CAPE (J/Kg)	865
LCL	1893	CINH (J/Kg)	360
CCL	3578	LI(°C)	-1.9
MAF ICA	0.04	PB	2
Cloud Base (meters)	3419	DRT ICA	-
Warm Cloud Depth (meters)	1557	Cloud Base Temp (°C)	10

DISCUSSION:
A dense cu field developed by 1830Z with showers only developing over the mountains. However, by 1845Z one storm did try to develop 25 miles west of Pecos. Although small, this will be a good attempt to get things going for the program, so we'll launch and investigate. Surprisingly, moisture was abundant with dew points in the upper 50's, so any shower/storm should have sufficient fuel to strengthen, but not to severe limits. By 1855Z, storm had already completely dissipated. However, we are still going to launch as the cu field in that area was still robust. MAF radar was not ingesting into TITAN, therefore we'll run this operation from GR2Analyst. We investigated a few short-lived showers along the Culberson/Reeves county line. These were very small and were dissipating in just a few minutes. Still, we got a few dosages of flares in one cell which showed some promise. Just a few minutes after the initial dose, this cell seemed to be doing much better. We'll keep an eye on it as we dive south to check out a few more showers/storms that are coming off the mountain. Convection began to dissipate some by 2045Z, so we will RTB, re-fuel and re-flare. If needed, we will launch a second time.

WATCHES/WARNINGS:
None

SEEDED CELL ID'S:

NA1	NA2								

FLIGHT INFORMATION:

TIME (Z)	Plane	Flare Location	County
1930	**26P**	IN AIR	
1957	**26P**	270° @ 31 nm	**Culberson**
2000	**26P**	275° @ 31 nm	**Culberson**
2001	**26P**	277° @ 31 nm	**Culberson**
2025	**26P**	256° @ 31 nm	**Culberson**
2037	**26P**	265° @ 25 nm	**Reeves**
2045		RTB	

Seeding operations were conducted over Culberson (8) and Reeves (2) Counties. 10 flares were burned within 2 clouds. This is the 1st day for seeding in June and the 1st day for seeding during the season.