

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

SEEDING REPORT - July 11, 2018

SYNOPTIC/MESOSCALE CONDITIONS:

Upper level pattern still has an easterly component to it as the upper high has pushed over the Ohio Valley. Moisture advection will still be abundant but not like we have seen over the last several days. Dew points over the Trans-Pecos have dropped from the upper 60's to the upper 50's while the Concho Valley is out to the low 70's and now in the low 60's. However, this is still plenty of moisture to work with. The other challenge is lack of upper level support and a surface feature. Due to this, showers and storms over the Concho Valley look unlikely today while the Trans-Pecos has the mountains to help initiate storms. The latest HRRR and WRF keep both areas dry today as the upper level support simply is not present. Although a dry forecast will be in place for both target areas, a stray shower and storm cannot be ruled out.

LIFTING MECHANISM:

Strong Moisture Advection

THERMODYNAMIC INDICES (12Z KMAF)

Freezing Level (m)	4300	-15°C Height (m)	7310
Precipitable Water (inches)	1.45	CAPE (J/Kg)	0
LCL	-	CINH (J/Kg)	0
CCL	-	LI(°C)	0
MAF ICA	-	PB	0
Cloud Base (meters)	3200	DRT ICA	-
Warm Cloud Depth (meters)	1100	Cloud Base Temp (°C)	10

DISCUSSION:

Storms fired over the higher terrain areas of Jeff Davis and Culberson Counties by 18Z. These were moving slowly to the north and began impacted parts of the adjacent plains by 1840Z. Pilot was called airborne and will head west into Culberson County where seeding will hopefully take place. Pilot got airborne and seeded a cloud in Culberson County. However, communications were lost between meteorologist and pilot which prompted an RTB. Seeded storm did well after seeding, but relaunch was unlikely with radios down.

WATCHES/WARNINGS:

None

SEEDED CELL ID'S:

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FLIGHT INFORMATION:

TIME (Z)	Plane	Flare Location	County
1945	26P	IN AIR	
2002	26P	300° @ 41 nm	Culberson
2005	26P	300° @ 41 nm	Culberson
2013	26P	300° @ 41 nm	Culberson
2055	26P	RTB	

Seeding operations were conducted over Culberson (6) County. 6 flares were burned within 1 cloud. This is the 4th day for seeding in July and the 6th day for seeding during the season.