

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

**SEEDING REPORT - July 12, 2018**

**SYNOPTIC/MESOSCALE CONDITIONS:**

Upper level riding will continue today however there will be slight short-wave activity embedded in the flow aloft. Couple this with sufficient low-level moisture and we could see a few showers/storms fire up this afternoon across the western Trans-Pecos and northern Concho Valley. Storms should stay closer to I-20 in the southern Big Country while storms will be confined to the higher terrain and areas west of a Pecos to Balmorhea line.

**LIFTING MECHANISM:**

Strong Moisture Advection

**THERMODYNAMIC INDICES (12Z KMAF)**

Freezing Level (m)	4886	-15°C Height (m)	7360
Precipitable Water (inches)	1.23	CAPE (J/Kg)	34
LCL	1765	CINH (J/Kg)	396
CCL	3582	LI(°C)	0.4
MAF ICA	-1.4	PB	0
Cloud Base (meters)	3200	DRT ICA	-
Warm Cloud Depth (meters)	1686	Cloud Base Temp (°C)	11.1

**DISCUSSION:**

Showers and storms were ongoing across the mountains within Jeff Davis and Culberson Counties into the 21Z hour. Any storms that pushed over the adjacent plains quickly dissipated, but by 2130Z, a few storms began to show promise to the SW of Pecos. We'll launch and check these out as more storms seem to be developing along a line from Balmorhea to Toyah. Pilot got airborne at 2140Z and headed SW along the line of convection. Seeding took place into the 22Z hour before having to RTB for communication issues once again.

**WATCHES/WARNINGS:**

None

**SEEDED CELL ID'S:**

1373									
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**FLIGHT INFORMATION:**

TIME (Z)	Plane	Flare Location	County
2150	26P	IN AIR	
2204	26P	225° @ 13 nm	Reeves
2206	26P	232° @ 14 nm	Reeves
2208	26P	226° @ 13 nm	Reeves
2210	26P	229° @ 13 nm	Reeves
2213	26P	230° @ 14 nm	Reeves
2220	26P	RTB	

Seeding operations were conducted over Reeves (10) County. 10 flares were burned within 1 clouds. This is the 5<sup>th</sup> day for seeding in July and the 7<sup>th</sup> day for seeding during the season.