

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - July 8, 2018

SYNOPTIC/MESOSCALE CONDITIONS:

Easterly upper level winds remain in place, but we'll lack any additional support in the form of shortwaves. Showers and storms are expected to fire again but may take some time to get going. Coverage will also be less than what we have seen the last few days. Regardless, rain chances are likely as will operations. Plentiful moisture will be in place as precipitable water values are over 1.5". Any showers/storms that do develop should be very efficient.

LIFTING MECHANISM:

Strong Moisture Advection

THERMODYNAMIC INDICES (12Z KMAF)

Freezing Level (m)	4606	-15°C Height (m)	6900
Precipitable Water (inches)	1.53	CAPE (J/Kg)	277
LCL	1036	CINH (J/Kg)	69
CCL	2498	LI(°C)	-1.4
MAF ICA	-2.68	PB	1
Cloud Base (meters)	2438	DRT ICA	-2.68
Warm Cloud Depth (meters)	2168	Cloud Base Temp (°C)	10

DISCUSSION:

Showers continued through the 19Z hour across much of the target area. Bases were rather with very limited vertical development. It wasn't until 20Z when tops began growing vertical, so we decided to finally launch. We'll target convection in Sutton County first and then work our way west into Crockett County. First cell provided some inflow but did not respond well. Storms were pretty embedded and were not real convective to start. We'll check one cell in eastern Sutton County before we look at more isolated stuff in Schleicher once again. Further west, showers/storms in Crockett County were heavily embedded. We may give those a shot if they grow more vertically per sat imagery. This cell did not last, but still had inflow. We began seeding shortly before 2130Z with hopes of getting it to redevelop. Activity just would not sustain and seeded seemed to have little to no impact. At 22Z, we decided to RTB after 2 hours of fighting this convection.

WATCHES/WARNINGS:

None

SEEDED CELL ID'S:

1559	1057	2163								
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FLIGHT INFORMATION:

TIME (Z)	Plane	Flare Location	County
2010	24P	In Air	
2029	24P	190° @ 37 nm	Schleicher
2032	24P	193° @ 40 nm	Schleicher
2034	24P	197° @ 39 nm	Schleicher
2124	24P	223° @ 66 nm	Crockett
2126	24P	226° @ 64 nm	Crockett
2127	24P	225° @ 65 nm	Crockett
2141	24P	233° @ 47 nm	Crockett
2200	24P	RTB	

Seeding operations were conducted over Schleicher (8) and Crockett (8) Counties. 16 flares were burned within 3 clouds. This is the 5th day for seeding in July and the 14th day for seeding during the season.