

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - June 23, 2018

SYNOPTIC/MESOSCALE CONDITIONS:

Very warm air mass in place with temperatures expected to climb to near 110°F. Some storms may fire up in the eastern Trans-Pecos region and threaten Crockett County. However, HRRR and WRF models keep these to the west. There is a slight threat for storm along I-20 where a sharp dryline will take form. Some of these storms may threaten Sterling County but would be much later in the evening.

LIFTING MECHANISM:

Strong Moisture Advection

THERMODYNAMIC INDICES (12Z KMAF)

Freezing Level (m)	5110	-15°C Height (m)	7015
Precipitable Water (inches)	0.97	CAPE (J/Kg)	1279
LCL	1644	CINH (J/Kg)	636
CCL	4257	LI(°C)	-4
MAF ICA	5.48	PB	4
Cloud Base (meters)	3505	DRT ICA	2.2
Warm Cloud Depth (meters)	1605	Cloud Base Temp (°C)	10

DISCUSSION:

Very high based showers fired up within Glasscock Country in the early part of the 23Z hour. These cells fired up quickly and slowly moved east into Sterling County. Pilot was called airborne at 2330Z but won't launch until just after 00Z due to location. We will head northwest into Sterling County and begin working from southwest to northeast assuming inflow is available. One issue with these is the 70° dew point depression that is taking place along the dryline. There is a chance these storms are over 12kft. We will investigate and stay up as late as possible. Pilot got into the cloud around 0045Z with bases around 11kft. We stayed along a shelf cloud ahead of the system where inflow was found. However, pilot came across severe turbulence and found a patch of heavy virga. We pulled off of that area. Storm did go severe at 0055Z and pilot just could not get into the favorable areas due to severe turbulence. For safety reasons, we called the mission.

WATCHES/WARNINGS:

Severe T-Storm Warning - Sterling

SEEDED CELL ID'S:

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FLIGHT INFORMATION:

TIME (Z)	Plane	Flare Location	County
0030	24P	IN AIR	
0048	24P	304° @ 32 nm	STERLING
0050	24P	305° @ 30 nm	STERLING
0058	24P	RTB	

Seeding operations were conducted over Sterling (5) County. 5 flares were burned within 1 cloud. This is the 5th day for seeding in June and the 9th day for seeding during the season.