

**WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS**

**SEEDING REPORT - July 3, 2023**

**SYNOPTIC/MESOSCALE CONDITIONS:**

High pressure aloft is building over the region, but a weakness remains which may allow for a few showers and storms to develop where moisture is deepest. This will be closer to the I-10 corridor and more likely south of highway 67. Will keep slight rain chances in place as the latest HRRR continues to show short-lived development.

**LIFTING MECHANISM:**

Dryline

**THERMODYNAMIC INDICES (12Z KMAF)**

Freezing Level (m)	4597	-15°C Height (m)	7400
Precipitable Water (inches)	1.31	CAPE (J/Kg)	267
LCL	1889	CINH (J/Kg)	254
CCL	3417	LI (°C)	-2.7
MAF ICA	1.76	PB	3
Cloud Base (meters)	2412	DRT ICA	-5.24
Warm Cloud Depth (meters)	2185	Cloud Base Temp (°C)	14

**DISCUSSION:**

Isolated showers were ongoing through the 20Z hour and into the 21Z hour. A dust storm over SJT halted flight operations through 2130Z, but once vis cleared we decided to launch west into Irion County where a cluster of cells developed into one larger cell. Despite being late here, this will be our target to start. The pilot made it to the cell just prior to 2215Z. We began working on the southern edge. Seeding continued here until the outflow was more predominate. We pushed further west into Reagan County and seeded another cloud just off the outflow boundary. Once done here, all targets will be exhausted. With the pilot reporting more outflow, we'll likely wrap things up soon as we approach 23Z. However, first, we'll get on the southern side of the main cell and work our way back to east.

**WATCHES/WARNINGS:**

N/A

**SEEDED CELL ID'S:**

816	972									
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**FLIGHT INFORMATION:**

TIME (Z)	Plane	Flare Location	County
2200	09P	IN AIR	
2213	09P	244° @ 29 nm	IRION
2216	09P	245° @ 35 nm	IRION
2219	09P	247° @ 38 nm	IRION
2220	09P	249° @ 38 nm	IRION
2230	09P	243° @ 43 nm	REAGAN
2232	09P	243° @ 45 nm	REAGAN
2234	09P	243° @ 45 nm	REAGAN
2236	09P	249° @ 43 nm	REAGAN
2237	09P	244° @ 45 nm	REAGAN
2245	09P	260° @ 41 nm	REAGAN
2247	09P	262° @ 41 nm	REAGAN
2257	09P	243° @ 50 nm	CROCKETT
2258	09P	241° @ 48 nm	CROCKETT
2301	09P	241° @ 47 nm	CROCKETT
2306	09P	RTB	

Seeding operations were conducted over Irion (8G), Crockett (6G) and Reagan (15G+1H) Counties. 29 glaciogenic flares and 1 hygroscopic flare

were burned within 2 clouds. This is the 1<sup>st</sup> day for seeding in July and the 17<sup>th</sup> day for seeding during the season.