

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - May 24, 2008

SYNOPTIC/MESOSCALE CONDITIONS:

Low pressure over western Oklahoma with a cold front dissecting the target area. Weak convergence along the boundary.

LIFTING MECHANISM:

Frontal boundary; sufficient surface heating.

DISCUSSION:

MOSTLY SUNNY SKIES WERE PRESENT THROUGHOUT THE TARGET AREA DURING THE AFTERNOON. CONVECTIVE TEMPERATURE AT MIDLAND WAS 96 AND 101 AT DEL RIO. TEMPERATURES AT 4PM WERE 97 AT SAN ANGELO, 96 AT STERLING CITY, AND 91 AT MIDLAND. THE INITIAL DEVELOPMENT WAS ALONG THE NORTHERN TARGET BORDER; SENT PILOT EXPECTING ADDITIONAL DEVELOPMENT IN NORTHERN TARGET. STORM NORTH OF BORDER BECAME SEVERE UPON LAUNCH; SEEMINGLY STEELING ENERGY FROM THE TARGET. SEEDING WAS ATTEMPTED ON MARGINAL CLOUDS IN STERLING AND GLASSCOCK. CLOUDS HAD AROUND 500-1000 FT/MIN INFLOW. BASES WERE FOUND HIGH ~8000-10,000 FT; AT A TEMPERATURE OF 10-14°C.

WATCHES/WARNINGS:

Mitchell and Nolan Counties.

SEEDED CELL ID'S:

19 and 30 merge into 37. Also seeded was 36, 63, and 82.

FLIGHT INFORMATION:

TIME (z)	PLANE	FLARE LOCATION
2145	30Y 326°	@ 49nm (ST)
2154	30Y 313°	@ 45nm (ST)
2158	30Y 309°	@ 47nm (ST)
2207	30Y 319°	@ 47nm (ST)
2212	30Y 320°	@ 49nm (ST)
2226	30Y 312°	@ 51nm (ST)
2238	30Y 298°	@ 54nm (GL)
2240	30Y 299°	@ 55nm (ST)
2245	30Y 313°	@ 55nm (ST)
2250	30Y 318°	@ 56nm (ST)
2258	30Y 300°	@ 56nm (GL)
2300	30Y	Return to Base

Seeding operations were conducted over Glasscock County (4) and Sterling County (17) with fair results. 21 flares were burned within 6 clouds. A weak frontal boundary produced strong thunderstorms north of the target and marginal thunderstorms in the northern target. This is the fourth day for seeding in May and 7th day for seeding during the season. In "FLARE LOCATION", GL is Glasscock County and ST is Sterling County.