

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - April 26, 2008

SYNOPTIC/MESOSCALE CONDITIONS:

Low pressure over the Texas Panhandle. A weak warm front positioned through east-central Texas. Moisture transport from southeast to northwest.

LIFTING MECHANISM:

Surface heating provided moderate instability with CAPE values ~1500J/KG and mid-level lapse rates near 8 C/KM.

DISCUSSION:

CLEAR SKIES BECAME PARTLY CLOUDY WITH CUMULUS AROUND 3PM. CONVECTIVE TEMPERATURE AT MIDLAND WAS 82 AND DEL RIO WAS 88. TEMPERATURES AT 5PM WERE 87 AT SAN ANGELO AND 86 AT MIDLAND. ONLY ONE PILOT AVAILABLE WAS ON STANDBY AT 4PM; PILOT SENT TO DEVELOPING CLOUD AT 510PM. SEEDING COMMENCED OVER STERLING COUNTY AT 5:30. SEEDED CLOUDS MAINTAINED DEVELOPMENT OVER TOM GREEN PANHANDLE; A SECOND CLOUD WAS SEEDED OVER WESTERN REAGAN LATE EVENING. CLOUDS HAD AROUND 500-1500 FT/MIN INFLOW. BASES WERE FOUND 6000-8000 FT; AT A TEMPERATURE OF 12-15°C.

WATCHES/WARNINGS:

Severe storm warning was issued for seeded storm Sterling-Tom Green. Severe storm warning was issued for seeded storm over Reagan at 7:55pm.

SEEDED CELL ID'S:

24-44 merged, 29.

FLIGHT INFORMATION:

TIME (z)	PLANE	FLARE LOCATION
2232	09P 284°	@ 24nm (ST)
2240	09P 288°	@ 23nm (ST)
2245	09P 290°	@ 23nm (ST)
2249	09P 292°	@ 23nm (ST)
2252	09P 297°	@ 30nm (ST)
2257	09P 309°	@ 33nm (ST)
2314	09P 287°	@ 29nm (ST)
2321	09P 288°	@ 28nm (ST)
2326	09P 287°	@ 27nm (ST)
2332	09P 287°	@ 26nm (ST)
2339	09P 294°	@ 18nm (TG)
2342	09P 294°	@ 18nm (TG)
2344	09P 293°	@ 14nm (TG)
2346	09P 303°	@ 13nm (TG)
2353	09P 311°	@ 11nm (TG)
0000	09P 292°	@ 19nm (TG)
0004	09P 283°	@ 19nm (TG)
0036	09P 251°	@ 59nm (RE)
0043	09P 258°	@ 58nm (RE)
0053	09P 266°	@ 70nm (RE)
0055	09P 271°	@ 68nm (RE)
0100	09P 273°	@ 61nm (RE)

0103 09P 273° @ 56nm (RE)
0107 09P Return to base

Seeding operations were conducted over Reagan (14), Sterling (25), and Tom Green (21) with very good results. 59 flares were burned within 3 clouds. Moisture transport into the target area and strong surface heating produced isolated seedable thunderstorms. This is the second day for seeding in April and 3rd day for seeding during the season. In "**FLARE LOCATION**", RE is Reagan County, ST is Sterling County, and TG is Tom Green County.