

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - April 30, 2007

SYNOPTIC/MESOSCALE CONDITIONS:

High pressure center over Southeast; Upper-low at southeast New Mexico / Texas Panhandle

LIFTING MECHANISM:

Upper low; sufficient surface heating

DISCUSSION:

MOSTLY CLOUDY EARLY; BROKEN SKIES PREVAILED BEFORE NOON. AS CLEARING OCCURED, SURFACE HEATING AND LIFT COMBINED TO FORM A FEW SMALL CLOUDS. TWO PILOTS WERE ACTIVATED AT 145PM. CONVECTIVE TEMPERATURE AT WAS MIDLAND 76 AND DEL RIO WAS 86. TEMPERATURES WERE 72 AT SAN ANGELO, 73 FOR SONORA AT 1PM. SEEDING COMMENCED AROUND 2PM WITH EXCELLENT RESULTS OVER SAN ANGELO AND GOOD RESULTS OVER SOUTHERN TARGET. PILOT FOUND BETWEEN 400-800 FT/MIN INFLOW. BASES WERE FOUND AT 4000-5000 FT WITH A BASE TEMPERATURE OF 12-14°C.

WATCHES/WARNINGS:

Several severe thunderstorm warnings at different times.

SEEDED CELL ID'S:

3389 produced about an inch of rain over San Angelo. 3548, 3383, 3925 were small clouds.

FLIGHT INFORMATION:

TIME (z)	PLANE	FLARE LOCATION
1908	41P	223° @ 22nm (IR)
1918	41P	225° @ 16nm (IR)
1929	41P	219° @ 09nm (TG)
1932	30Y	183° @ 35nm (SC)
1938	30Y	177° @ 34nm (SC)
1950	30Y	169° @ 44nm (SU)
1954	30Y	162° @ 39nm (SU)
2010	30Y	Return to base
2108	41P	309° @ 47nm (ST)
2212	41P	Return to base

Seeding operations were conducted over Irion (4), Schleicher (6), Sterling (1), Sutton (3), and Tom Green (3) with good results. 18 flares were burned within 4 small clouds. An upper low over southern Texas panhandle promoted several thunderstorms, mainly north and east of the target area. This is the fourth day for seeding in April and 5th day for seeding during the season. In "FLARE LOCATION", SC is Schleicher County and ST is Sterling County.