

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - September 27, 2007

SYNOPTIC/MESOSCALE CONDITIONS:

High pressure over the east coast. Low pressure Quebec draws a cold front across Texas Panhandle. Upper level trough Saskatchewan to Arkansas.

LIFTING MECHANISM:

Cold front; sufficient surface heating.

DISCUSSION:

MOSTLY SUNNY THROUGH THE AFTERNOON. A FEW CLOUDS BEGAN DEVELOPING AROUND 230PM. COULD NOT GET PILOT UNTIL 330PM. SECOND PILOT GROUNDED BY STORM. CONVECTIVE TEMPERATURE AT MIDLAND WAS 89 AND DEL RIO WAS 90. 2PM TEMPERATURES WERE 90 AT SAN ANGELO AT MIDLAND. PILOT FOUND 400-1000 FT/MIN INFLOW. BASES WERE FOUND ~7700-9000 FT WITH A BASE TEMPERATURE OF 10-12°C.

WATCHES/WARNINGS:

None

SEEDED CELL ID'S:

183, 748.

FLIGHT INFORMATION:

TIME (z)	PLANE	FLARE LOCATION
2145	41P	308° @ 39nm (ST)
2157	41P	302° @ 21nm (TG)
2203	41P	297° @ 16nm (IR)
2205	41P	308° @ 13nm (TG)
2212	41P	292° @ 20nm (IR)
2215	41P	292° @ 20nm (IR)
2222	41P	278° @ 14nm (IR)
2226	41P	302° @ 10nm (TG)
2236	41P	303° @ 08nm (TG)
2255	41P	270° @ 41nm (RE)
2310	41P	270° @ 41nm (RE)
2313	41P	270° @ 41nm (RE)
2328	41P	Return to base

Seeding operations were conducted over Irion (10), Reagan (6), Sterling (3), and Tom Green (8) with good results. 27 flares were burned within 2 clouds. Surface heating and a cold front helped to produce seedable clouds. This is the sixth day for a seeding in September and 43rd day for seeding during the season. In "FLARE LOCATION", IR is Irion County, Re is Reagan County, ST is Sterling County, and TG is Tom Green County.