

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - July 31, 2007

SYNOPTIC/MESOSCALE CONDITIONS:

Surface high upper mid-west, Surface low over northern Mexico.
Upper-level low over northern Mexico. Upper-level high western Gulf / southeast Texas.

LIFTING MECHANISM:

Short-wave ridge runner.
Frontal boundary at the northern target border to the Red River.

DISCUSSION:

MOSTLY SUNNY SKIES THROUGH THE AFTERNOON. MARGINAL CLOUDS DEVELOP ACROSS THE TARGET BEFORE NOON. MARGINAL CLOUDS DEVELOP OVER GLASSCOCK COUNTY AROUND 1:20. DECISION TO FLY AT 1:30PM. CONVECTIVE TEMPERATURE AT MIDLAND WAS 80 AND DEL RIO WAS 79. 1PM TEMPERATURES WERE 86 AT SAN ANGELO AND 83 AT MIDLAND. PILOT FOUND 200-500 FT/MIN INFLOW. BASES WERE FOUND AT 5500-6100 FT WITH A BASE TEMPERATURE OF 18°C.

WATCHES/WARNINGS:

None.

SEEDED CELL ID'S:

727.

FLIGHT INFORMATION:

TIME (z)	PLANE	FLARE LOCATION
1928	24P	292° @ 59nm (GL)
1934	24P	293° @ 58nm (GL)
1936	24P	296° @ 58nm (GL)
1940	24P	296° @ 58nm (GL)
2000	24P	Return to base

Seeding operations were conducted over Glasscock (8) good results. 8 flares were burned within one small cloud. An upper-level low over Mexico, surface boundary, and heating helped to develop a few showers over the northern target. This is the fourteenth day for seeding in July and 31st day for seeding during the season. In "FLARE LOCATION", GL is Glasscock County.