

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - July 23, 2010

SYNOPTIC/MESOSCALE CONDITIONS:

Upper level ridge California/Nevada to South Carolina. Strong ridge centered Alabama rising into New England. Weak low over southern Texas Panhandle.

LIFTING MECHANISM:

Surface heating.

DISCUSSION:

MOSTLY SUNNY MORNING AND CUMULUS FIELD DEVELOPING AFTERNOON; SHOWERS DEVELOPING SOUTHEASTERN TARGET LATE AFTERNOON ~2230Z BUT PROFILES WERE QUITE POOR. LAUNCH PLANE TO INVESTIGATE 0Z. CONVECTIVE TEMPERATURE AT MIDLAND WAS 90 AND 80 AT DEL RIO. 4PM TEMPERATURES WERE 97 AT SAN ANGELO, 92 AT MIDLAND AND 93 AT SONORA. CLOUDS HAD AROUND 200-700 FT/MIN INFLOW OR OTHERWISE NEGLIBLE. BASES WERE FOUND ~7.8-8KFT; AT A TEMPERATURE OF 15°C. THERE WAS LIMITED RESPONSE TO SEEDING DUE TO LOW TOPS.

WATCHES/WARNINGS:

None.

SEEDED CELL ID'S:

1959, 2132, 2015.

FLIGHT INFORMATION

TIME (z)	PLANE	FLARE LOCATION
0026	41P 150°	@ 16nm (SC)
0030	41P 152°	@ 15nm (SC)
0100	41P 310°	@ 20nm (TG)
0102	41P 305°	@ 20nm (TG)
0105	41P 310°	@ 20nm (TG)
0118	41P 245°	@ 06nm (TG)
0130	41P	Return to base

Seeding operations were attempted over Schleicher (4) and Tom Green Counties. 11 flares were burned within 3 very marginal clouds in response to surface heating and a weak low. This is the ninth day for seeding in July and 25th day for seeding during the season. In "FLARE LOCATION", SC is Schleicher and TG is Tom Green.