

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - July 21, 2010

SYNOPTIC/MESOSCALE CONDITIONS:

Upper level ridge California/Nevada to South Carolina. Shortwave Chihuahua.

LIFTING MECHANISM:

Surface heating.

DISCUSSION:

MOSTLY SUNNY MORNING AND CUMULUS FIELD DEVELOPING AFTERNOON; SHOWERS DEVELOPING SOUTHEASTERN TARGET MID AFTERNOON ~21Z. LAUNCH PLANE TO INVESTIGATE 2140Z. CONVECTIVE TEMPERATURE AT MIDLAND WAS 88 AND 83 AT DEL RIO. 3PM TEMPERATURES WERE 96 AT SAN ANGELO, 90 AT MIDLAND AND 91 AT SONORA. CLOUDS HAD AROUND 200-500 FT/MIN INFLOW. BASES WERE FOUND ~7-8KFT; AT A TEMPERATURE OF 16-18°C. THERE WAS LIMITED RESPONSE TO SEEDING DUE TO LOW TOPS, FREEZING LEVEL AT 5KM AND CORES ONLY BETWEEN 4-5KM.

WATCHES/WARNINGS:

None.

SEEDED CELL ID'S:

484, 542, 563, 651, 721, 734, 752, 760.

FLIGHT INFORMATION

TIME (z) PLANE FLARE LOCATION

2214	41P 153° @ 48nm (SU)
2215	41P 152° @ 49nm (SU)
2222	41P 152° @ 40nm (SU)
2224	41P 153° @ 44nm (SC)
2235	41P 152° @ 42nm (SU)
2239	41P 150° @ 35nm (SU)
2245	41P 150° @ 37nm (SU)
2310	41P 186° @ 11nm (SC)
2319	41P 200° @ 11nm (TG)
2319	41P 200° @ 09nm (TG)
2321	41P 212° @ 10nm (TG)
2325	41P 280° @ 09nm (TG)
2330	41P 291° @ 14nm (IR)
2334	41P 272° @ 12nm (IR)
2344	41P 290° @ 07nm (TG)
2345	41P Return to base

Seeding operations were attempted over Irion (3), Schleicher (3) Sutton (6), and Tom Green (6) Counties. 18 flares were burned within 8 very marginal clouds in response to surface heating and a weak surface low. This is the seventh day for seeding in July and 23rd day for seeding during the season. In "FLARE LOCATION", IR is Irion County, SC is Schleicher County, SU is Sutton County, and TG is Tom Green County.