

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - August 30, 2006

**SYNOPTIC/MESOSCALE CONDITIONS:**

High pressure

**LIFTING MECHANISM:**

Surface boundary sufficient surface heating.

**DISCUSSION:**

MOSTLY SUNNY SKIES PREVAILED ACROSS MOST OF THE TARGET AREA THROUGH MORNING. CONVECTIVE TEMPERATURE AT WAS MIDLAND 83 AND DEL RIO 88. TEMPERATURES WERE 86 AT SAN ANGELO AND 84 AT SONORA AT 1PM. MOISTURE CONVERGENCE AND THETA-E RIDGE INTO CROCKETT AND SUTTON COUNTIES AND SUFFICIENT HEATING PROMOTED THE DEVELOPMENT OF SEEDABLE CLOUDS. VERY SHALLOW CLOUDS SHOWED UP AT 1PM. AT 2:20, A CLOUD OVER SCHLEICHER BECAME MARGINAL. 2:35, PILOT IN ROUTE. RADAR FAILURE LIMITED SEEDING NAVIGATION. PILOT RETURNED TO BASE AT 3:30 UNTIL CLOUDS WERE BETTER AT 4:30; RADAR RETURNED AT 4:50. CLOUDS HAD BETWEEN 300 AND 500 FT/MIN INFLOW. BASES WERE AROUND 7000 FT AT A TEMPERATURE OF 14°C.

**WATCHES/WARNINGS:**

None

**SEEDED CELL ID'S:**

107 was seeded first with marginal status over Schleicher. 165 merged with 170 at the Schleicher/Irion border. 215 was best cloud of the day near Sonora in Sutton County. 339 over Schleicher County had very weak to no inflow.

**FLIGHT INFORMATION:**

TIME	PLANE	FLARE LOCATION
1950	24P	169° @ 19nm (SC)
2004	24P	178° @ 29nm (SC)
2008	24P	178° @ 29nm (SC)
2016	24P	174° @ 36nm (SC)
2026	24P	196° @ 21nm (SC)
2028	24P	204° @ 18nm (IR)
2032	24P	Return to base
2154	24P	175° @ 41nm (SU)
2156	24P	171° @ 45nm (SU)
2204	24P	169° @ 46nm (SU)
2208	24P	172° @ 46nm (SU)
2220	24P	168° @ 42nm (SU)
2232	24P	186° @ 50nm (SU)
2306	24P	186° @ 50nm (SU)
2316	24P	177° @ 55nm (SU)
2324	24P	176° @ 53nm (SU)

<b>TIME</b>	<b>PLANE</b>	<b>FLARE LOCATION</b>
2351	24P	200° @ 37nm (SC)
2400	24P	Return to base

Seeding operations were conducted over Irion (2), Schleicher (12), and Sutton (24) Counties with good results. 38 flares were burned within 8 clouds. A weak surface boundary and sufficient heating were enough to produce a few isolated showers. This is the 17<sup>th</sup> day for seeding in August and 58<sup>th</sup> day for seeding during the season. In "**FLARE LOCATION**", IR is Irion County, SC is Schleicher County, SU is Sutton County.