

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - March 25, 2009

**SYNOPTIC/MESOSCALE CONDITIONS:**

High pressure east coast and New England. A Strong low centered Ontario/Minnesota. Frontal boundary extended from Great Lakes, Indiana, to Mississippi Low. Stationary front southeast Texas to Montana low. Dryline West Texas. Large trough over Rockies with shortwave New Mexico/West Texas. Jet West Texas.

**LIFTING MECHANISM:**

Dryline, upper trough.

**DISCUSSION:**

CLOUDY MORNING WITH BASES UNDER 2000FT; MARGINAL CLOUDS BEGIN TO DEVELOP AROUND 9AM. NOTIFY PILOT 1050AM. MEANWHILE, CIELINGS BEGIN TO BREAK, STORMS DEVELOPING IRION CO. LAUNCH PLANE ONE AT 1130AM. LAUNCH AIRCRAFT TWO AT 220PM. STORMS MOVE OUT OF TARGET AT 330PM. CONVECTIVE TEMPERATURE AT MIDLAND WAS 85 AND 80 AT DEL RIO. 11AM TEMPERATURES WERE 64 AT SAN ANGELO AND 62 AT BARNHART. CLOUDS HAD AROUND 400 FT/MIN INFLOW. BASES WERE FOUND ~5.4KFT-6KFT; AT A TEMPERATURE OF 11-14°C.

**WATCHES/WARNINGS:**

Severe storm watch; Severe storm warning E Tom Green 1PM; Severe storm warning Sutton 2PM; Severe storm warning Schleicher 220PM

**SEEDED CELL ID'S:**

823 merged into 1, 343, 572 merged 349, 571, 844.

**FLIGHT INFORMATION**

TIME (z)	PLANE	FLARE LOCATION		
1655	30Y 232° @ 12nm (IR)		1938	30Y 228° @ 12nm (SU)
1658	30Y 228° @ 12nm (IR)		1946	30Y 228° @ 12nm (SU)
1705	30Y 223° @ 12nm (TG)		1948	30Y 228° @ 12nm (SU)
1708	30Y 211° @ 12nm (TG)		1955	30Y 228° @ 12nm (SU)
1724	30Y 195° @ 12nm (TG)		1958	30Y 228° @ 12nm (SU)
1725	30Y 195° @ 12nm (TG)		2008	30Y Return to base
1810	30Y 228° @ 12nm (SU)			
1815	30Y 228° @ 12nm (SU)			
1818	30Y 228° @ 12nm (SU)		1930	41P 160° @ 17nm (SC)
1825	30Y 228° @ 12nm (SU)		1335	41P 165° @ 25nm (SC)
1835	30Y 228° @ 12nm (SU)		1943	41P 180° @ 28nm (SC)
1840	30Y 228° @ 12nm (SU)		1945	41P 170° @ 25nm (SC)
1842	30Y 228° @ 12nm (SU)		1947	41P 135° @ 27nm (SC)
1850	30Y 228° @ 12nm (SU)		1949	41P 130° @ 28nm (SC)
1900	30Y 228° @ 12nm (SU)		2011	41P 185° @ 48nm (SU)
1902	30Y 228° @ 12nm (SU)		2022	41P 165° @ 46nm (SU)
1908	30Y 228° @ 12nm (SU)		2026	41P 160° @ 47nm (SU)
1912	30Y 228° @ 12nm (SU)		2030	41P 160° @ 51nm (SU)
1924	30Y 228° @ 12nm (SU)		2035	41P Return to base

Seeding operations were conducted over Irion (3), Schleicher (12), Sutton (40), and Tom Green (5) Counties. 60 flares were burned within 7 large clouds. An upper level trough, surface low with trough over West Texas, and dryline produced strong thunderstorms early in the day. This is the first day for seeding in March and 1<sup>st</sup> 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.