

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - June 30, 2009

SYNOPTIC/MESOSCALE CONDITIONS:

Low pressure Ontario with frontal boundary Ohio to Kentucky to Missouri and Montana. Upper low Great Lakes to Midwest. Upper ridge Mexico to Saskatchewan.

LIFTING MECHANISM:

Boundary, surface heating.

DISCUSSION:

MOSTLY CLOUDY SKIES PREVAILED DURING MORNING AND AFTERNOON. STORM BEGIN TO POP UP AMONGST STRATUS AT AROUND 1PM. PILOT LAUNCH TO INVESTIGATE CLOUDS AT 1825Z. SECOND PILOT LAUNCH AT 1845Z. CLOUDS DISPLAYED TROPICAL CHARACTERISTICS WITH LOW BASES PROMINENT. CONVECTIVE TEMPERATURE AT MIDLAND WAS 85 AND 96 AT DEL RIO. 1PM TEMPERATURES WERE 81 AT SAN ANGELO AND 78 AT BARNHART. CLOUDS HAD AROUND 200-700 FT/MIN INFLOW. BASES WERE FOUND ~4.0-6.0 KFT; AT A TEMPERATURE OF 17-20°C.

WATCHES/WARNINGS:

None.

Flood advisory for Glasscock and Schleicher Counties after 3PM

SEEDED CELL ID'S:

1075-2269-2539, 1114, 3540.

FLIGHT INFORMATION

TIME(z) PLANE FLARE LOCATION

			1935	41P 294° @ 51nm (GL)
			1937	41P 294° @ 65nm (GL)
			1938	41P 296° @ 67nm (GL)
1847	30Y 175° @ 60nm (SU)		1942	41P 296° @ 73nm (GL)
1857	30Y 182° @ 54nm (SU)		1944	41P 295° @ 72nm (GL)
1905	30Y 184° @ 46nm (SU)		1946	41P 294° @ 70nm (GL)
1911	30Y 185° @ 48nm (SU)		1948	41P 293° @ 65nm (GL)
1915	30Y 168° @ 48nm (SU)		1951	41P 292° @ 63nm (GL)
1924	30Y 160° @ 47nm (SU)		1953	41P 293° @ 59nm (GL)
1927	30Y 165° @ 44nm (SU)		1955	41P 294° @ 56nm (GL)
1930	30Y 170° @ 36nm (SC)		1959	41P 299° @ 52nm (GL)
1932	30Y 170° @ 38nm (SC)		2001	41P 299° @ 51nm (GL)
1935	30Y 160° @ 37nm (SC)		2003	41P 295 @ 52nm (GL)
1949	30Y 170° @ 23nm (SC)		2005	41P 292° @ 55nm (GL)
1953	30Y 178° @ 30nm (SC)		2008	41P 288° @ 61nm (GL)
1955	30Y 178° @ 33nm (SC)		2010	41P 286° @ 64nm (GL)
2002	30Y 178° @ 45nm (SU)		2012	41P 285° @ 63nm (GL)
2026	30Y 195° @ 49nm (SU)		2014	41P 286° @ 61nm (GL)
2028	30Y 195° @ 64nm (SU)		2016	41P 287° @ 57nm (GL)
2041	30Y 186° @ 29nm (SU)		2018	41P 288° @ 54nm (GL)
2043	30Y 183° @ 25nm (SC)		2020	41P 290° @ 47nm (GL)
2055	30Y 190° @ 15nm (SC)		2022	41P 292° @ 47nm (GL)
2100	30Y 190° @ 21nm (SC)		2025	41P 294° @ 47nm (GL)
2109	30Y 200° @ 21nm (SC)		2027	41P 290° @ 47nm (GL)
2115	30Y Return to base		2029	41P 287° @ 50nm (GL)
			2031	41P 284° @ 54nm (GL)
1921	41P 292° @ 51nm (GL)		2032	41P Return to base
1925	41P 290° @ 51nm (GL)			
1927	41P 288° @ 53nm (GL)			
1933	41P 292° @ 58nm (GL)			

Seeding operations were conducted over Glasscock (40), Schleicher (15), and Sutton (11). 66 flares were burned within 5 clouds, two of which were large clouds with multiple cells. A frontal boundary and surface heating produced seedable clouds throughout the target. This is the twelfth day for seeding in June and 26th day for seeding during the season. In "**FLARE LOCATION**", GL is Glasscock County, SC is Schleicher County, and SU is Sutton County.