

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - May 25, 2010

SYNOPTIC/MESOSCALE CONDITIONS:

Low-pressure over the northern Plains and mild southern trough into the southern Plains. Dryline eastern New Mexico and Trans-Pecos. Upper level trough over Idaho/Utah south to Arizona/New Mexico.

LIFTING MECHANISM:

Shortwave influence, sufficient surface heating.

DISCUSSION:

MOSTLY CLOUDY MORNING AND AFTERNOON BUT CLEARING WEST TO EAST MID AFTERNOON. CLOUDS BEGAIN TO BUILD OVER SOUTHERN TARGET AROUND 1850Z OR 150PM SO CALLED OUT A PILOT. LAUNCHED PILOT ON GOOD CLOUDS SCHLIECHER/SUTTON AT 1930Z OR 330PM CONVECTIVE TEMPERATURE AT MIDLAND WAS 76 AND 88 AT DEL RIO. 2PM TEMPERATURES WERE 86 AT SAN ANGELO AND 82 AT SONORA. TWO FLIGHTS: FIRST TO SCHLIECHER COUNTY AND SECOND TO BACKUP AND PICKUP OTHER POPCORN CLOUDS. CLOUDS HAD AROUND 300-1000 FT/MIN INFLOW. BASES WERE FOUND ~6.5-7 KFT; AT A TEMPERATURE OF 11-18°C. *METEOROLOGIST BECAME INCREASINGLY ILL; HAD TO END MISSION EARLY**

WATCHES/WARNINGS:

2150z - Flash flood warning for Schleicher County.

SEEDED CELL ID'S:

2350 large merged, 2438, 2579, 2699, 2735, 2703, 3424, 3473, 3791.

FLIGHT INFORMATION

TIME (z) PLANE FLARE LOCATION

1946	30Y 200°	@ 30nm (SC)
1947	30Y 200°	@ 26nm (SC)
1949	30Y 200°	@ 29nm (SC)
1954	30Y 200°	@ 27nm (SC)
2004	30Y 200°	@ 36nm (SC)
2006	30Y 200°	@ 35nm (SC)
2018	30Y 200°	@ 36nm (SC)
2023	30Y 200°	@ 42nm (SC)
2030	30Y 200°	@ 44nm (SC)
2045	30Y 200°	@ 32nm (SC)
2050	30Y 200°	@ 30nm (SC)
2056	30Y 200°	@ 28nm (SC)
2103	30Y 200°	@ 30nm (SC)
2108	30Y 200°	@ 30nm (SC)
2131	30Y 200°	@ 35nm (SC)
2150	30Y	Return to base
2047	41P 219°	@ 15nm (IR)
2049	41P 225°	@ 18nm (IR)
2103	41P 305°	@ 30nm (IR)
2105	41P 200°	@ 29nm (SC)
2106	41P 196°	@ 27nm (SC)
2108	41P 191°	@ 24nm (SC)
2112	41P 176°	@ 21nm (SC)

2113 41P 173° @ 21nm (SC)
 2117 41P 190° @ 23nm (SC)
 2126 41P 204° @ 28nm (SC)
 2131 41P 185° @ 21nm (SC)
 2133 41P 179° @ 20nm (SC)
 2134 41P 171° @ 19nm (SC)
 2137 41P 155° @ 19nm (SC)
 2139 41P 146° @ 20nm (SC)
 2144 41P 148° @ 18nm (SC)
 2147 41P 161° @ 13nm (SC)
 2148 41P 170° @ 11nm (SC)
 2150 41P 184° @ 10nm (TG)
 2152 41P 200° @ 12nm (TG)
 2153 41P 211° @ 14nm (TG)
 2156 41P 207° @ 15nm (TG)
 2159 41P 198° @ 11nm (TG)
 2201 41P 179° @ 10nm (TG)
 2203 41P 158° @ 09nm (TG)
 2206 41P 142° @ 07nm (TG)
 2208 41P 179° @ 07nm (TG)
 2210 41P 210° @ 10nm (TG)
 2212 41P 229° @ 13nm (TG)
 2214 41P 234° @ 17nm (IR)
 2231 41P 236° @ 16nm (IR)
 2236 41P 249° @ 09nm (TG)
 2238 41P 277° @ 06nm (TG)
 2240 41P 286° @ 04nm (TG)
 2243 41P 324° @ 05nm (TG)
 2314 41P 171° @ 43nm (SU)
 2320 41P 169° @ 52nm (SU)
 2322 41P 164° @ 52nm (SU)
 2325 41P 166° @ 52nm (SU)
 2327 41P 170° @ 50nm (SU)
 2330 41P 172° @ 50nm (SU)
 2332 41P 168° @ 51nm (SU)
 2334 41P 165° @ 52nm (SU)
 2335 41P Return to base

Seeding operations were conducted over Irion (10), Schleicher (71), Sutton (16), and Tom Green (27) counties. 124 flares were burned within 10 clouds merging mostly into one. Sufficient surface heating and shortwave influence helped to promote seedable clouds. This is the fourth day for seeding in May and 6th 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.