

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - June 27, 2010

SYNOPTIC/MESOSCALE CONDITIONS:

Ridge over the Gulf of Mexico and Florida. Weak upper trough over Four Corners. Shortwave over northern Mexico.

LIFTING MECHANISM:

Outflow boundary, MCV, sufficient surface heating.

DISCUSSION:

MOSTLY SUNNY AND HOT MORNING AND AFTERNOON; THUNDERSTORMS DEVELOPING NORTHWEST TARGET AND COKE COUNTY ~1820Z. PILOT ONE LAUNCHED 1850Z. SECOND PILOT REACHED A SHORT TIME LATER AND LAUNCHED 1945Z CONVECTIVE TEMPERATURE AT MIDLAND WAS 89 AND 99 AT DEL RIO. 1PM TEMPERATURES WERE 95 AT SAN ANGELO, 91 AT SONORA, AND 87 AT MIDLAND. THUNDERSTORMS CONTAINED INTERMITTENT INFLOW AND APPEARED RANDOMLY BUT WITH GOOD INFLOW WHEN FOUND. CLOUDS HAD AROUND 300-600 FT/MIN INFLOW. BASES WERE FOUND ~9-9.5KFT; AT A TEMPERATURE OF 10-13°C. *VERY GOOD RAINFALL TOTALS WERE RECEIVED ACROSS THE TARGET AREA*

WATCHES/WARNINGS:

Flash flood advisory for Irion at 2120z.

Flash flood advisory for Tom Green at 2250z.

Flash flood advisory for all southern target area at 0000z.

SEEDED CELL ID'S:

282, 312, 464, 465, 933, 1111, 1179, 1207, 1351, 1618, 2668, 3135.

FLIGHT INFORMATION

TIME (z) PLANE FLARE LOCATION

1913	24P 262°	@ 32nm (IR)
1915	24P 262°	@ 30nm (IR)
1928	24P 255°	@ 24nm (IR)
1931	24P 252°	@ 23nm (IR)
1938	24P 238°	@ 32nm (IR)
1942	24P 247°	@ 36nm (IR)
1945	24P 240°	@ 36nm (IR)
2001	24P 277°	@ 27nm (IR)
2015	24P 308°	@ 29nm (ST)
2023	24P 305°	@ 27nm (ST)
2034	24P 284°	@ 32nm (IR)
2040	24P 265°	@ 32nm (IR)
2050	24P 286°	@ 33nm (IR)
2105	24P 300°	@ 41nm (ST)
2110	24P 310°	@ 42nm (ST)
2128	24P 286°	@ 46nm (GL)
2132	24P 288°	@ 42nm (GL)
2138	24P 290°	@ 55nm (GL)
2155	24P 268°	@ 60nm (GL)
2157	24P 270°	@ 62nm (RE)
2159	24P 269°	@ 64nm (RE)
2201	24P 269°	@ 64nm (RE)
2205	24P 260°	@ 52nm (RE)
2216	24P 257°	@ 64nm (RE)

2251 24P 210° @ 48nm (CR)
 2253 24P 212° @ 47nm (CR)
 2301 24P 196° @ 41nm (CR)
 2335 24P Return to base

 1956 41P 260° @ 17nm (IR)
 2000 41P 260° @ 16nm (IR)
 2004 41P 280° @ 12nm (IR)
 2006 41P 300° @ 11nm (IR)
 2019 41P 322° @ 10nm (IR)
 2021 41P 307° @ 09nm (TG)
 2024 41P 282° @ 10nm (TG)
 2030 41P 245° @ 17nm (IR)
 2035 41P 242° @ 24nm (IR)
 2037 41P 242° @ 28nm (IR)
 2041 41P 244° @ 36nm (IR)
 2043 41P 241° @ 40nm (IR)
 2046 41P 235° @ 45nm (CR)
 2048 41P 235° @ 47nm (CR)
 2054 41P 231° @ 57nm (CR)
 2056 41P 233° @ 61nm (CR)
 2103 41P 234° @ 66nm (CR)
 2105 41P 233° @ 64nm (CR)
 2122 41P 247° @ 45nm (RE)
 2130 41P 264° @ 38nm (IR)
 2136 41P 267° @ 44nm (RE)
 2140 41P 262° @ 50nm (RE)
 2143 41P 263° @ 54nm (RE)
 2146 41P 263° @ 58nm (RE)
 2148 41P 259° @ 63nm (RE)
 2200 41P 242° @ 69nm (CR)
 2202 41P 239° @ 67nm (CR)
 2205 41P 236° @ 66nm (CR)
 2207 41P 237° @ 66nm (CR)
 2219 41P 227° @ 51nm (CR)
 2221 41P 222° @ 49nm (CR)
 2335 41P Sonora for Fuel
 2321 41P 157° @ 53nm (SU)
 2329 41P 156° @ 54nm (SU)
 2336 41P 170° @ 48nm (SU)
 2343 41P 186° @ 48nm (SU)
 2346 41P 186° @ 50nm (SU)
 0000 41P Return to base

Seeding operations were conducted Crockett (31) County, Glasscock (10) County, Irion (47) County Reagan (28) County, Sterling (8) County, Sutton (10) County, Tom Green (4) County. 138 flares were burned within 1 large merged cloud with more than 11 additional cells. A remnant outflow boundary and MCV over northern target developed seedable thunderstorms. This is the seventh day for seeding in June and 13th day for seeding during the season. In "**FLARE LOCATION**", CR is Crockett County, GL is Glasscock County, IR is Irion County, RE is Reagan County, ST is sterling County, SU is Sutton County, and TG is Tom Green County.