

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - September 12, 2006

SYNOPTIC/MESOSCALE CONDITIONS:

High pressure at surface, Upper-low over Arizona. Weak upper-level disturbance over west Texas. Outflow boundaries from the day before.

LIFTING MECHANISM:

Upper level feature, sufficient surface heating, and convergence along outflow boundaries.

DISCUSSION:

MOSTLY CLEAR SKIES PREVAILED ACROSS MOST OF THE TARGET AREA THROUGH MORNING. CONVECTIVE TEMPERATURE AT WAS MIDLAND 80 AND DEL RIO 79. TEMPERATURES WERE 84 AT SAN ANGELO AND 85 AT SONORA AT 1PM. CLOUDS BEGAN TO POP UP BEFORE 1:00PM BUT WERE SHORT-LIVED. AT 2:25, A CLOUD OVER CROCKETT BECAME MARGINAL AND PILOT WAS IN ROUTE. AT 4:00 A CLOUD OVER WEST CROCKETT BECAME GOOD BUT PLANE NEEDED FULL. PILOT RETURNED TO CROCKETT TO SEED A CLOUD WITH EXCELLENT RESULTS. CLOUDS HAD 400-1000 FT/MIN INFLOW. BASES WERE AROUND 6500 FT AT A TEMPERATURE OF 12-14°C.

WATCHES/WARNINGS:

None

SEEDED CELL ID'S:

Cell 833 in Crockett County was a weak cloud. 1013 was short-lived over Irion. 1023 was seeded over Irion and Tom Green but was also short-lived. 1022 was a good cloud over Irion. 933 was a good cloud over

FLIGHT INFORMATION:

TIME (z)	PLANE	FLARE LOCATION
1952	41P	228° @ 77nm (CR)
1954	41P	228° @ 81nm (CR)
1958	41P	228° @ 78nm (CR)
2031	41P	238° @ 26nm (IR)
2039	41P	236° @ 14nm (IR)
2043	41P	248° @ 08nm (TG)
2049	41P	240° @ 15nm (IR)
2056	41P	233° @ 14nm (IR)
2101	41P	231° @ 14nm (IR)
2103	41P	227° @ 16nm (IR)
2105	41P	227° @ 16nm (IR)
2107	41P	225° @ 16nm (IR)
2110	41P	222° @ 17nm (IR)
2056	41P	Return to base
2209	30Y	239° @ 57nm (CR)
2211	30Y	241° @ 58nm (CR)
2034	30Y	226° @ 70nm (CR)

2038	30Y	225° @ 70nm (CR)
2044	30Y	225° @ 70nm (CR)
2048	30Y	223° @ 70nm (CR)
2050	30Y	223° @ 69nm (CR)
2050	30Y	Return to base

Seeding operations were conducted over Crockett (30), Irion (14), and Tom green (1) with good results. 45 flares were burned within 5 clouds. An upper level disturbance and sufficient heating developed a few clouds. This is the second day for seeding in September and 60th day for seeding during the season. In "**FLARE LOCATION**", CR is Crockett County, IR is Irion County, TG is Tom Green County.

Rainfall (IN) (Radar estimates)

2.3	W. Crockett	September 11
3.0	SW Crockett	September 11
4.7	S. Central Sutton	September 11
0.6	N. Tom Green (TG)	September 11
3.5	W. TG Panhandle/NE Reagan	September 11
3.1	Central Glasscock	September 11
5.5	South of Big Lake	September 12
2.9	W. Crockett Panhandle	September 12
1.9	N. Central Crockett	September 12
1.0	E. Irion	September 12

Rainfall estimations are point specific, and the highest amount of rainfall estimated for a particular cell. Rainfall will generally be a lesser quantity. Precipitation images are available on the operations archive section of the webpage. <http://www.wtwma.com/dailyoperations/>