

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - June 29, 2010

**SYNOPTIC/MESOSCALE CONDITIONS:**

Weak area of low pressure over West Texas. Tropical Storm Alex over the Western Gulf inserting moisture into southerly flow. Upper ridge Colorado to Saskatchewan. Upper low Desert Southwest.

**LIFTING MECHANISM:**

Weak surface low.

**DISCUSSION:**

MOSTLY CLOUDY MORNING AND AFTERNOON; marginally seedable clouds developing three different times. FLIGHT ONE LAUNCHED 17Z WHERE VERY LOW CIELINGS HAULTED INVESTIGATION. CONVECTIVE TEMPERATURE AT MIDLAND WAS 75 AND 83 AT DEL RIO. 11AM TEMPERATURES WERE 78 AT SAN ANGELO AND 81 AT BARNHART. SECOND FLIGHT FOUND MORE SEEDABLE BASES BUT INFLOW REMAINED WEAK AND TOPS WERE QUITE LOW AS WELL. THIRD FLIGHT FOUND SIMILAR CONDITIONS TO FIRST FILGHT FOLLOWING A LAUNCH DELAY; DRENCHING RAIN HIT THE AIRPORT - MINIMAL THUNDER. CLOUDS CONTAINED WEAK INFLOW WITH POOR CLOUDY CONDITIONS AT BASE. CLOUDS HAD AROUND 300-500 FT/MIN INFLOW. BASES WERE FOUND ~3-7KFT; AT A TEMPERATURE OF 16-20°C.

**WATCHES/WARNINGS:**

None.

**SEEDED CELL ID'S:**

3093, 3563, 4090, 4741, 5792, 6088, 6175, 6247.

**FLIGHT INFORMATION**

**TIME (z) PLANE FLARE LOCATION**

1715	41P 128° @ 45nm (CR)	2050	24P 272° @ 53nm (RE)
1715	41P 129° @ 56nm (CR)	2056	24P 266° @ 59nm (RE)
1715	41P 272° @ 40nm (RE)	2107	24P 263° @ 59nm (RE)
1806	41P Return to base	2109	24P 264° @ 59nm (RE)
		2115	24P Return to base
2020	24P 287° @ 68nm (GL)		
2024	24P 288° @ 67nm (GL)	2106	41P 283° @ 09nm (TG)
2027	24P 287° @ 68nm (GL)	2159	41P 154° @ 32nm (SC)
2042	24P 273° @ 58nm (RE)	2115	41P Return to base
2047	24P 271° @ 54nm (RE)		

Seeding operations were attempted over Crockett (3) County, Glasscock (6), Reagan (13) Schleicher (2) County, and Tom Green (2) County. 26 flares were burned within 9 clouds. A weak area of low pressure over West Texas produced marginally seedable conditions. This is the ninth day for seeding in June and 15<sup>th</sup> day for seeding during the season. In "FLARE LOCATION", CR is Crockett County, GL is Glasscock County, RE is Reagan County, SC is Schleicher County, TG is Tom Green County.