WEST TEXAS WEATHER MODIFICATION ASSOCIATION – SAN ANGELO, TEXAS

SEEDING REPORT – August 29, 2011

SYNOPTIC/MESOSCALE CONDITIONS:
A LOW PRESSURE IS CENTERED OVER NORTH CENTRAL TEXAS THIS MORNING. A DRYLINE BOUNDARY IS DEVELOPING OVER THE EASTERN HALF OF THE TARGET. DEW POINTS EAST OF THE TARGET ARE IN THE MID-TO-UPPER 60'S, EVEN 70'S IN SOME AREAS WHILE LOCALLY OUR DEWPOINTS ARE IN THE UPPER 40'S TO LOWER 50'S. THE DRYLINE, COUPLED WITH DAYTIME HEATING AND A CONVECTIVE TEMPERATURE OF 103°F WILL ALLOW FOR SHOWERS AND THUNDERSTORMS TO DEVELOP ON THE EASTERN HALF OF THE TARGET AREA.
LIFTING MECHANISM: Sufficient surface heating, frontal boundary.
DISCUSSION:
AT 1900Z ONE STRAY STORM BEGAN TO FIRE UP SOUTHWEST OF SAN ANGELO IN TOM GREEN COUNTY. PILOT WAS CALLED INTO THE AIR AT 1900Z AND BECAME AIRBOURNE BY 1922Z. PILOT BEGAN SEEDING AT 1940Z IN SCHLEICHER COUNTY. MORE DEVELOPMENT IN NORTHEAST SCHLEICHER BEGAN AS WELL AS DEVELOPMENT IN IRION COUNTY. SECOND PILOT WAS IN THE AIR BY 2020Z AND BEGAN SEEDING IN IRION COUNTY AT 2046Z. TEMPERATURES WERE 105°F WITH DEWPOINTS IN THE LOW 50S'. STORMS BEGAN TO MERGE WITH ONE ANOTHER CREATING A LARGE BOW FROM EASTERN SCHLEICHER INTO IRION COUNTY MOVING SOUTH/SOUTHWEST INTO SUTTON AND CROCKETT COUNTIES. SEEDING OPERATIONS AT 2321Z AS ALL CLOUDS WERE SEEDED AND CONVECTIVE STORMS BECAME EMBEDDED INTO A LARGE SYSTEM. *AIRCRAFT 8549P IS DID NOT USE 80G FLARES; ALL AIRCRAFT ARE USING 40G FLARES FOR THIS DAY.*
WATCHES/WARNINGS: NONE
SEEDED CELL ID'S:
890, 924, 919, 929, 941, 939, 945, 942, 973, 1012, 1034, 1059, 1066, 1091, 1075, 1142
FLIGHT INFORMATION

TIME (z)	PLANE	FLARE LOCATION
1940	24P	125° @ 20nm (SC)
1944	24P	125° @ 25nm (SC)
1948	24P	135° @ 20nm (SC)
1952	24P	140° @ 20nm (SC)
2001	24P	145° @ 20nm (SC)
2006	24P	145° @ 25nm (SC)
2012	24P	150° @ 20nm (SC)
2014	24P	155° @ 20nm (SC)
2019	24P	170° @ 15nm (SC)
2023	24P	170° @ 15nm (SC)
2031	24P	170° @ 20nm (SC)
2035	24P	170° @ 25nm (SC)
2043	24P	160° @ 30nm (SC)
2046	49P	240° @ 32nm (IR)
2049	24P	150° @ 30nm (SC)
2051	24P	150° @ 30nm (SC)
2052	49P	250° @ 34nm (IR)
2054	49P	260° @ 31nm (IR)
2057	24P	165° @ 35nm (SC)
2058	24P	165° @ 35nm (SC)
2101	49P	260° @ 32nm (IR)
2106	49P	250° @ 39nm (IR)
2107	49P	250° @ 41nm (IR)
2109	24P	185° @ 30nm (SC)
2330	24P	Return to Base
2112	49P	240° @ 37nm (IR)
2123	24P	205° @ 20nm (SC)
2127	24P	200° @ 20nm (SC)
2136	24P	195° @ 35nm (SC)
2142	24P	195° @ 30nm (SC)
2147	24P	190° @ 30nm (SC)
2149	24P	185° @ 30nm (SC)
2152	24P	200° @ 30nm (SC)
2159	49P	310° @ 32nm (ST)
2159	24P	185° @ 37nm (SU)
2201	24P	180° @ 40nm (SU)
2203	24P	180° @ 40nm (SU)
2214	24P	165° @ 40nm (SU)
2215	24P	170° @ 40nm (SU)
2219	49P	250° @ 35nm (IR)
2219	24P	170° @ 40nm (SU)
2225	24P	160° @ 45nm (SU)
2238	24P	125° @ 40nm (SC)
2256	49P	220° @ 36nm (CR)
2314	24P	215° @ 40nm (CR)
2316	49P	235° @ 60nm (CR)
2319	24P	205° @ 50nm (CR)
2321	24P	210° @ 50nm (CR)
2330	49P	Return to Base

Seeding operations were conducted over Sutton (14), Crockett (9), Sterling (2), Irion (16) and Schleicher (51) Counties. 92 flares were burned within 16 clouds. Dryline coupled with daytime heating allowed enough lift to develop storms along the eastern target. This is the eight day for seeding in August and 25th day for seeding during the season. In "**FLARE LOCATION**", SU is for Sutton County and SC is for Schleicher County, IR is for Irion County, ST is for Sterling County and CR is for Crockett County.