

WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS

SEEDING REPORT - March 26, 2007

SYNOPTIC/MESOSCALE CONDITIONS:

Dryline; Upper-low between Pecos and Big Bend

LIFTING MECHANISM:

Dryline; Sufficient surface heating.

DISCUSSION:

MOSTLY CLOUDY-BROKEN SKIES PREVAILED ACROSS SOUTHEASTERN TARGET AREA THROUGH THE AFTERNOON. CONVECTIVE TEMPERATURE AT WAS MIDLAND 70 AND DEL RIO 75. TEMPERATURES WERE 70 AT SAN ANGELO 3PM. WESTERN TARGET AREA WAS VERY CLOUDY WITH LOW CIELINGS FROM RAIN OCCURING MOST OF THE DAY. PILOT REPORTS CIELINGS TOO LOW OVER WESTERN TARGET. A CLOUD OVER IRION BECAME MARGINAL AND SATELLITE SUGGESTED PILOT MAY BE ABLE TO SEED. 4:00, PILOT IN ROUTE. THE CLOUD OVER IRION LACKED INFLOW AT TIME OF ARRIVAL, AN OLD, LARGE CLOUD SYSTEM OVER CROCKETT COUNTY MAINTAINED INFLOW AND SEEDING COMMENCED. CLOUD HAD AROUND 500-700 FT/MIN INFLOW. BASES WERE FOUND AT 4300-5500 FT AT A TEMPERATURE OF 9-11°C.

WATCHES/WARNINGS:

Flash flood warning scattered around the region.

SEEDED CELL ID'S:

3526, large-old cloudy was seeded over Crockett County. 5829, 5896 were seeded over Crockett county. 6122 was seeded at the border of Crockett and Irion. All merged into old cloud system.

FLIGHT INFORMATION:

TIME (z)	PLANE	FLARE LOCATION
2152	09P	210° @ 67nm (CR)
2203	09P	207° @ 63nm (CR)
2209	09P	234° @ 52nm (CR)
2216	09P	212° @ 52nm (CR)
2229	09P	229° @ 41nm (CR)
2232	09P	233° @ 38nm (CR)
2235	09P	232° @ 36nm (IR)
2238	09P	232° @ 36nm (IR)
2241	09P	232° @ 35nm (IR)
2256	09P	Return to base

Seeding operations were conducted over Crockett (13) and Irion (6) with good results. 19 flares were burned within 4 clouds that merged into one. A dryline west of the region moved a large cloud into the target area. Base height of clouds within other portions of the target area was too low for seeding. This is the first day for seeding in March and 1st day for seeding during the season. In "FLARE LOCATION", CR is Crockett County, IR is Irion County.

From: Arquimedes Ruiz

Daily Evaluation Report (20070326 # 001)

WTWMA San Angelo 2007

03 26

A Large Type B Storm (# 3526) was seeded with excellent results. The storm moved into the target area coming from the west, and was 304 minutes old when the seeding operation started. A total of **19 flares** were used (~ 2.1 flares per inflow) which affected **20 %** of the storm's volume with an average dose about **60 ice-nuclei per liter**. The increase in Precipitation Mass was estimated in **~ 17 500 ac-f**.

The favored counties:

Crockett ~ 9 300 ac-f, **Schleicher** ~ 4 700 ac-f, **Sutton** ~ 2300 ac-f,
Irion ~ 1200 ac-f