

**SOUTH TEXAS WEATHER MODIFICATION ASSOCIATION - PLEASANTON, TEXAS**

**SEEDING REPORT - MAY 24, 2009**

**SYNOPTIC/MESOSCALE CONDITIONS:**

Difffluence at 250mb over south Texas with jet max (60 kt) moving across the area; small upper low over central Texas moving NE; upper level ridge over southeastern quadrant of U.S. with low surface to 500mb low over southern Arkansas; upper level trough over western U.S.; PW values 1.55"-1.75"; moderate to strong instability, with CAPE values in excess of 2500 J/kg and LI's to -8.

**LIFTING MECHANISM:**

Strong surface heating; lift from upper low; weak lift from difffluence aloft.

**DISCUSSION:**

For the third day in a row, convection initiated over the northern target area, closer to the position of the small upper low. This activity gradually developed/moved south and southeast during the day. Flight one dispatched to Bandera/Medina counties where several cells were developing. No randomization once again due to close proximity of cells. As the activity developed/moved SE, seeding followed. SWTREA plane assisted with seeding in Bandera County. Activity departed area by late afternoon.

**WATCHES/WARNINGS/LIMITATIONS:**

Nil.

The pyrotechnics were 40g flares. 50 flares were burned in Bexar (4), Atascosa (20), Medina (6), Karnes (18) and Wilson (2) counties, totaling 2000g of AgI. An additional 14 flares were used for seeding in Bandera County, burned by SWTREA's 22X, totaling 560g of AgI.