

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

**SEEDING REPORT – September 5, 2017**

**SYNOPTIC/MESOSCALE CONDITIONS:**

Partly to mostly cloudy across south Texas this morning, with scattered fog across the region. Fog looks to last through the early morning hours. Partly cloudy across most of south TX today, with isolated showers and thunderstorms possible through the afternoon. Scattered rain is likely across extreme south TX as greater moisture interacts with a weak area of low pressure. High temperatures in the mid to upper 90's. Partly cloudy with isolated showers and thunderstorms early in the overnight hours as a cold front moves south through the region. After the front passes skies look to be mostly clear. Overnight low temps in the lower to mid 70's with cooler temps north of San Antonio.

**LIFTING MECHANISM:**

Daytime heating, and outflow boundaries.

**THERMODYNAMIC INDICES (12Z KDRT)**

KCRP Freezing Level (m)	4578.40	KDRT Freezing Level (m)	4829.11
Precipitable Water (Inches)	1.40	CAPE (J/Kg)	735.12
LCL (m)	914.22	CINH (J/Kg)	155.65
CCL (m)	2302.32	LI (degrees C)	-2.79
Cloud Base (m)	2262	PB	-0.9
Warm Cloud Depth (m)	2567.11	Cloud Base Temp (degrees C)	13
CRP -15°C height (m)	~7200	DRT -15°C height (m)	~7000
CRP ICA	-8.1	DRT ICA	-5.9

**DISCUSSION:** Weak isolated showers began forming in northern Uvalde county after 21Z. Pilot made it to storms but initially had trouble finding inflow location. Pilot seeded far eastern storm which was weakening. After pilot seeded, storm regained some intensity. Pilot tried seeding storms in central and western Uvalde, however all storms were dissipating from reduced daytime heating.

**Warnings:** None

**Seeded cell ID's:** 1505, 1607

**Flight Information:**

Time (UTC)	Plane	Flare Location	County
21:20	160P	In air	
22:25	160P	286 @ 65	UV
22:25	160P	285 @ 66	UV
22:35	160P	275 @ 76	UV
22:37	160P	275 @ 77	UV

22:38	160P	275 @ 78	UV
23:44	160P	Landed	

Seeding operations were conducted over Uvalde (10 + 1H) county. 10 flares plus 1 hygroscopic flare were burned within 2 clouds. This is the 2<sup>nd</sup> day for seeding in September and the 35<sup>th</sup> day for seeding during the season.