

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

**SEEDING REPORT – September 4, 2017**

**SYNOPTIC/MESOSCALE CONDITIONS:**

Mostly cloudy with scattered fog around and east of San Antonio this morning. Skies are partly cloudy west of San Antonio. Fog looks to last through the early morning hours. High pressure continues across most of Texas as moisture from the Gulf slowly makes its way inland. Partly cloudy across most of South TX today with isolated afternoon showers and thunderstorms south of Pleasanton and across extreme south TX. High temperatures in the lower to mid 90's. Partly to mostly cloudy overnight with low temps in the lower to mid 70's.

**LIFTING MECHANISM:**

Daytime heating, weak seabreeze, and outflow boundaries.

**THERMODYNAMIC INDICES (12Z KCRP)**

KCRP Freezing Level (m)	4698.49	KDRT Freezing Level (m)	5016.10
Precipitable Water (Inches)	1.88	CAPE (J/Kg)	1790.39
LCL (m)	13.00	CINH (J/Kg)	10.72
CCL (m)	991.42	LI (degrees C)	-5.28
Cloud Base (m)	1109	PB	3.9
Warm Cloud Depth (m)	3589.49	Cloud Base Temp (degrees C)	20
CRP -15°C height (m)	~6500	DRT -15°C height (m)	~6750
CRP ICA	-6.7	DRT ICA	-8.4

**DISCUSSION:** Isolated showers and storms began developing from daytime heating and a weak seabreeze southeast of San Antonio after 17Z. Storms were short lived however developed strong outflow boundaries which would generate other storms. Seeding began on weak storms in southeastern Atascosa county, however storms did not last long even with seeding. Pilot tried seeding another group of shower/storms in McMullen county after 19:50Z, however these storms did not last long. Pilot landed for fuel then proceeded north towards small showers in Wilson county. Showers over Wilson county did not have inflow so operations ended for the day.

**Warnings:** None

**Seeded cell ID's:** 411, 485, 609

**Flight Information:**

Time (UTC)	Plane	Flare Location	County
18:57	160P	In air	
19:12	160P	118 @ 12 NM	Atascosa
19:13	160P	116 @ 12	Atascosa
19:24	160P	143 @ 21	Atascosa
19:51	160P	164 @ 36	McMullen

19:53	160P	168 @ 36	McMullen
20:46	160P	Landed	
21:25	160P	In air	
22:40	160P	Landed	

Seeding operations were conducted over Atascosa (6 + 2H), and McMullen (4 + 0H) counties. 10 flares plus 2 hygroscopic flares were burned within 3 clouds. This is the 1<sup>st</sup> day for seeding in September and the 34<sup>th</sup> day for seeding during the season.