

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

**SEEDING REPORT – June 27, 2017**

**SYNOPTIC/MESOSCALE CONDITIONS:**

Mostly cloudy this morning with scattered small showers. A weak area of low pressure is centered just off the coast of Corpus Christi this morning, with abundant moisture moving into the region. No tropical systems are expected, however scattered to widespread showers and thunderstorms beginning later this morning and lasting through the evening are expected. Locally heavy rain is possible. High temperatures in the mid to upper 80's. A ridge of high pressure over western TX looks to begin moving into the region overnight, with rain ending in the late evening. Mostly cloudy overnight with patchy fog possible. Overnight low temps in the lower to mid 70's with cooler temps over hill country.

**LIFTING MECHANISM:**

Daytime heating, weak MCS moving onshore from the Gulf, and outflow boundaries.

**THERMODYNAMIC INDICES (12Z KCRP)**

KCRP Freezing Level (m)	4844.39	KDRT Freezing Level (m)	4376.30
Precipitable Water (Inches)	2.13	CAPE (J/Kg)	863.13
LCL (m)	13.00	CINH (J/Kg)	24.86
CCL (m)	1107.82	LI (degrees C)	-2.35
Cloud Base (m)	859	PB	2.9
Warm Cloud Depth (m)	3985.39	Cloud Base Temp (°C)	24
CRP ICA	-11	DRT ICA	-14.3

**DISCUSSION:** Numerous small showers were around the area all morning, while a weak MCS off the coast began to move onshore in the early afternoon near Corpus Christi. Some weak rainbands began forming across the eastern operational area, so launched both pilots after 18Z. Pleasanton pilot began seeding weak storms in northern McMullen county before moving on to storms over southwestern Atascosa county. Second pilot did not find much over Wilson county, so send them to storms also in southwestern Atascosa county. Seeding continued in Atascosa and Frio until storms moved out of the operational area after 19Z. First pilot then went to seed a storm in northern Atascosa county. Second pilot headed back to Karnes as more storms were developing after 19:30Z in that area. Seeding continued in Wilson and Karnes counties until pilots ran out of flares and returned. Most of the storms began rapidly dissipating, however a few isolated storms began developing from Atascosa to Bandera counties after 21Z. Launched Pleasanton pilot and began seeding on a close storm just after 22Z. That storm dissipated so continued on to the strongest storm of the day in Medina, which was seeded until pilot ran out of flares after 23:30Z. Pilot reported storm had 1000+ ft/min inflow near the end of seeding operations.

**Warnings:** None

**Seeded cell ID's:** 1734, 1368, 1848, 1420, 2252, 2428, 2364, 2491, 2558, 881, 2719, 2717

**Flight Information:**

Time (UTC)	Plane	Flare Location	County
17:54	57AA	In air	
17:55	160P	In air	
18:03	57AA	187° @ 9 NM	Atascosa
18:13	57AA	190 @ 26	McMullen
18:14	57AA	192 @ 27	McMullen
18:15	57AA	193 @ 26	McMullen
18:16	57AA	193 @ 28	McMullen
18:18	57AA	194 @ 27	McMullen
18:20	160P	65 @ 28	Wilson
18:20	160P	67 @ 28	Wilson
18:27	57AA	213 @ 21	Atascosa
18:28	57AA	214 @ 22	Atascosa
18:29	57AA	213 @ 21	Atascosa
18:30	57AA	214 @ 22	Atascosa
18:37	57AA	227 @ 15	Atascosa
18:39	57AA	225 @ 16	Atascosa
18:39	57AA	223 @ 17	Atascosa
18:41	57AA	223 @ 19	Atascosa
19:01	160P	223 @ 27	Frio
19:02	160P	224 @ 26	Frio
19:02	160P	223 @ 27	Frio
19:04	160P	222 @ 29	La Salle
19:05	160P	214 @ 24	La Salle
19:18	160P	226 @ 31	La Salle
19:18	160P	226 @ 32	La Salle
19:29	57AA	323 @ 15	Atascosa
19:30	57AA	322 @ 15	Atascosa
19:31	57AA	318 @ 15	Atascosa
19:32	57AA	318 @ 15	Atascosa
19:45	160P	130 @ 5	Atascosa
19:46	160P	136 @ 4	Atascosa
19:47	160P	131 @ 4	Atascosa
20:05	160P	220 @ 4	Atascosa
20:05	160P	219 @ 5	Atascosa
20:06	160P	218 @ 4	Atascosa
20:08	160P	221 @ 5	Atascosa

20:09	160P	226 @ 4	Atascosa
20:14	57AA	37 @ 28	Wilson
20:16	57AA	36 @ 29	Wilson
20:16	57AA	36 @ 29	Wilson
20:17	57AA	37 @ 28	Wilson
20:21	160P	90 @ 14	Atascosa
20:22	160P	89 @ 14	Atascosa
20:23	160P	88 @ 13	Atascosa
20:31	57AA	46 @ 27	Wilson
20:33	57AA	48 @ 27	Wilson
20:35	57AA	46 @ 27	Wilson
20:36	160P	87 @ 34	Karnes
20:37	160P	87 @ 36	Karnes
20:38	160P	86 @ 37	Karnes
20:39	160P	84 @ 37	Karnes
20:40	160P	83 @ 35	Karnes
20:46	160P	90 @ 31	Karnes
20:47	160P	91 @ 32	Karnes
20:48	160P	90 @ 33	Karnes
20:48	160P	90 @ 34	Karnes
20:50	160P	88 @ 37	Karnes
21:00	57AA	Landed	
21:14	160P	Landed	
21:58	57AA	In air	
22:10	57AA	3 @ 8	Atascosa
22:11	57AA	356 @ 8	Atascosa
22:12	57AA	8 @ 7	Atascosa
22:39	57AA	315 @ 40	Medina
22:39	57AA	313 @ 41	Medina
22:41	57AA	311 @ 43	Medina
22:42	57AA	311 @ 41	Medina
22:43	57AA	310 @ 43	Medina
22:46	57AA	311 @ 41	Medina
22:55	57AA	299 @ 46	Medina
22:56	57AA	299 @ 45	Medina
22:57	57AA	298 @ 46	Medina
22:58	57AA	297 @ 46	Medina
22:59	57AA	297 @ 45	Medina
23:06	57AA	301 @ 57	Medina

23:08	57AA	301 @ 57	Medina
23:10	57AA	301 @ 57	Medina
23:12	57AA	301 @ 57	Medina
23:15	57AA	300 @ 58	Medina
23:24	57AA	290 @ 49	Medina
23:24	57AA	290 @ 48	Medina
23:25	57AA	290 @ 47	Medina
23:26	57AA	289 @ 48	Medina
23:27	57AA	289 @ 50	Medina
23:31	57AA	288 @ 52	Medina
23:32	57AA	288 @ 50	Medina
23:33	57AA	288 @ 49	Medina
23:34	57AA	287 @ 48	Medina
0:08	57AA	Landed	

Seeding operations were conducted over Atascosa (56 + 1H), Frio (6 + 1H), Karnes (20 + 2H), La Salle (8 + 0H), McMullen (10 + 0H), Medina (50 + 0H), and Wilson (18 + 0H) counties. 168 flares plus 4 hygrosopic flares were burned within 12 clouds. This is the 7<sup>th</sup> day for seeding in June and the 13<sup>th</sup> day for seeding during the season.