

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

SEEDING REPORT – July 26, 2017

SYNOPTIC/MESOSCALE CONDITIONS:

Mostly clear this morning across south Texas, with isolated areas of fog near Austin. Fog looks to dissipate by the early morning hours. Strong high pressure over the Gulf continues to send lots of moisture into Texas, with very warm temperatures and high humidity likely today. High Heat Index values are likely across the region this afternoon and evening. Isolated afternoon showers and thunderstorms are likely east and south of San Antonio through the early evening. High temperatures in the upper 90's, lower 100's. Partly cloudy overnight with low temps in the mid to upper 70's with cooler temps over hill country.

LIFTING MECHANISM:

Daytime heating, weak seabreeze for a short time, and outflow boundaries.

THERMODYNAMIC INDICES (12Z KCRP)

KCRP Freezing Level (m)	4554.90	KDRT Freezing Level (m)	4819.90
Precipitable Water (Inches)	1.95	CAPE (J/Kg)	829.56
LCL (m)	122.91	CINH (J/Kg)	117.66
CCL (m)	1819.54	LI (degrees C)	-2.68
Cloud Base (m)	1972	PB	3.7
Warm Cloud Depth (m)	2582.9	Cloud Base Temp (°C)	21
CRP -15°C height (m)	~7400	DRT -15°C height (m)	~7300
CRP ICA	-9	DRT ICA	-10.9

DISCUSSION: Isolated storms started forming south of Corpus Christi in the early afternoon and began moving north. The storms formed into one large storm which continued into Live Oak county after 22:30Z. Also during this time numerous showers started to form across the region south of San Antonio. Due to a strong high pressure over the central Gulf, storm direction was to the north this day. Storms quickly became widespread south of Pleasanton with numerous small showers and thunderstorms. The storms mostly separated into individual storms southwest of Pleasanton but merged into a much larger storm southeast of Pleasanton. Despite numerous storms, inflow became harder to find after 22Z. After 22Z storms east of Pleasanton became very strong and pilot could not get near because of severe turbulence. Pilot eventually found more inflow on storms southwest of San Antonio. Pilots encountered more storms in southern Frio county. Other pilot began seeding isolated storms moving through Medina county at 22:48Z. These storms were developing along a large outflow boundary. Storms in Frio continued until they moved out of the operational area. Isolated storms continued to form in Medina county and seeding continued until 00Z.

Warnings: None

Seeded cell ID's: 306, 328, 359, 376, 441, 610, 552, 592, 591, 619, 562, 628, 324, 659, 670, 684, 352, 719, 758, undefined

Flight Information:

Time (UTC)	Plane	Flare Location	County
20:57	160P	In air	
21:08	160P	117 @ 35 NM	Bee
21:18	160P	91 @ 20	Karnes
21:27	160P	79 @ 32	Karnes
21:29	57AA	In air	
21:35	160P	93 @ 28	Karnes
21:44	160P	68 @ 19	Wilson
21:58	160P	81 @ 30	Karnes
22:26	160P	25 @ 22	Wilson
22:34	160P	40 @ 10	Atascosa
22:36	57AA	235 @ 35	Frio
22:43	57AA	237 @ 46	La Salle
22:47	57AA	243 @ 48	Frio
22:48	160P	293 @ 21	Medina
22:56	160P	327 @ 13	Atascosa
22:57	57AA	239 @ 39	Frio
23:03	57AA	250 @ 40	Frio
23:05	160P	296 @ 22	Medina
23:07	57AA	249 @ 43	Frio
23:10	160P	310 @ 27	Medina
23:15	160P	303 @ 36	Medina
23:26	160P	311 @ 30	Medina
23:32	160P	302 @ 37	Medina
23:42	57AA	287 @ 42	Medina
23:52	57AA	308 @ 41	Medina
23:57	57AA	307 @ 48	Medina
23:57	160P	Landed	
0:44	57AA	Landed	

Seeding operations were conducted over Atascosa (2 + 0H), Bee (2 + 0H), Frio (9 + 1H), Karnes (8 + 1H), La Salle (2 + 0H), Medina (12 + 0H), and Wilson (3 + 0H) counties. 38 flares plus 2 hygroscopic flares were burned within 19+ clouds. This is the 11th day for seeding in July and the 24th day for seeding during the season.