

**WEST TEXAS WEATHER MODIFICATION ASSOCIATION - SAN ANGELO, TEXAS**

**SEEDING REPORT - June 02, 2017**

**SYNOPTIC/MESOSCALE CONDITIONS:**

Plenty of moisture remains across the region today but dynamics aloft will be limited across West Central Texas. Storms will likely fire north of the area today but we could be at the mercy of some outflow boundaries due to dry air in the mid-levels. Storms could develop within a very unstable atmosphere if we do get any surface feature to help aid in lift. Latest HRRR does suggest this development taking place therefore likely rain chances will be added for today.

**LIFTING MECHANISM:**

Outflow Boundary, Dynamics Aloft

**THERMODYNAMIC INDICES (12Z KMAF)**

Freezing Level (m)	4167	CAPE (J/Kg)	1202
Precipitable Water (inches)	1.28	CINH (J/Kg)	11
LCL	996	LI(°C)	-4.7
CCL	1775	PB	5
MAF ICA	1.2	DRT ICA	2.32
Cloud Base (meters)	2337	Cloud Base Temp (°C)	12.7
Warm Cloud Depth (meters)	1830		

**DISCUSSION:**

QUIET MORNING AND AFTERNOON FOR THE REGION HOWEVER STORMS TO THE NORTH DEVELOPED A STRONG AND WELL DEFINED OUTFLOW BOUNDARY. THIS BOUNDARY BEGAN THREATENING THE AREA JUST AFTER 22Z. THEREFORE, PILOT WAS CALLED AIRBORNE TOWARDS STERLING COUNTY WITH HOPES THAT STORMS WOULD FIRE. AS PILOT WAS GETTING AIRBORNE, THERE WERE SOME SHOWERS IN NORTHERN STERLING COUNTY, BUT NOT SEEDABLE (TOO EMBEDDED). STILL, TEMPERATURES ARE PEAKING OUT AND THE OUTFLOW BOUNDARY IS NEARING THIS AREA. WE SHOULD SEE DEVELOPMENT BY 2230-2245Z. SEEDING TOOK PLACE ACROSS NORTHERN STERLING COUNTY BEFORE STORM BEGAN TO SLIDE OFF TO THE NE OUT OF THE AREA. CONVECTION WEST IN GLASSCOCK AND NW STERLING COUNTY WAS TOO LOW TO APPROACH AND VERY EMBEDDED. WE'LL HEAD BACK TO THE SE ALONG THE OUTFLOW BOUNDARY AND SEE WHAT THE BOUNDARY MAY BE KICKING UP. NOTHING EVER DEVELOPED HERE, THEREFORE WE DECIDED TO RTB SHORTLY BEFORE 00Z.

**WATCHES/WARNINGS:**

None

**SEEDED CELL ID'S:**

3538									
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**FLIGHT INFORMATION:**

TIME (Z)	Plane	Flare Location	County
2255	49P	IN AIR	
2319	49P	325° @ 47 nm	STERLING
2321	49P	325° @ 45 nm	STERLING
2326	49P	327° @ 46 nm	STERLING
2330	49P	325° @ 43 nm	STERLING
2345	49P	RTB	

Seeding operations were conducted over Sterling (8) County. 8 flares were burned within 1 cloud. This is the 1<sup>st</sup> day for seeding in June and the 4<sup>th</sup> day for seeding during the season.