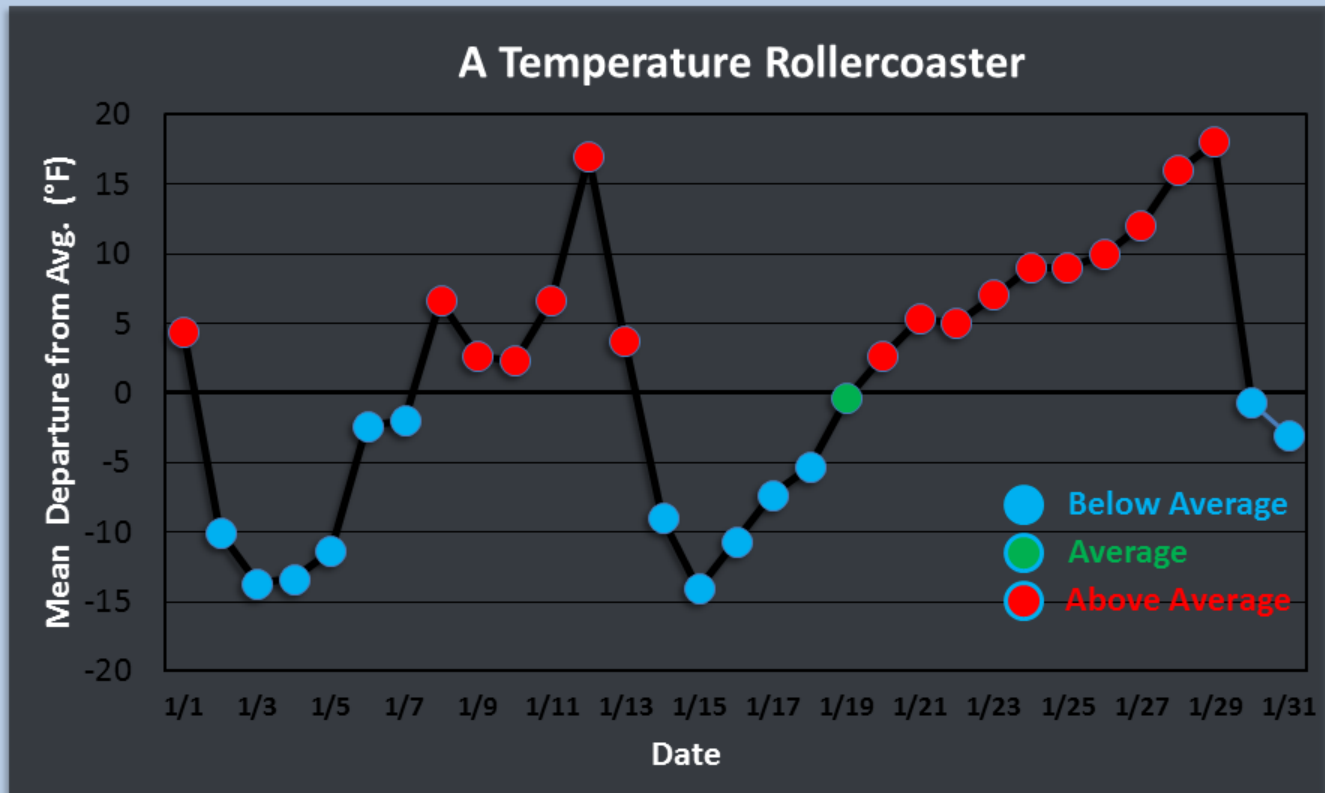




January in the Rio Grande Valley



Note: "Average" is based on the 30-year sample from 1981 through 2010. In January across the Valley, this value rises from around 60°F at the start of the month to around 61°F at month's end.

A Tale of Two "Seasons"

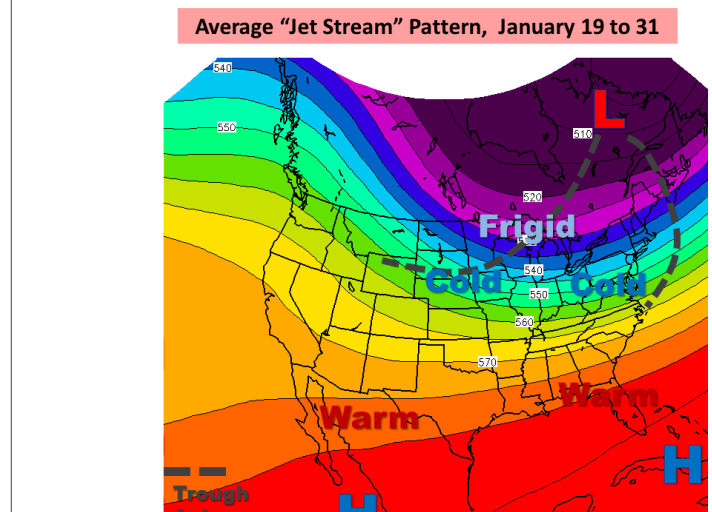
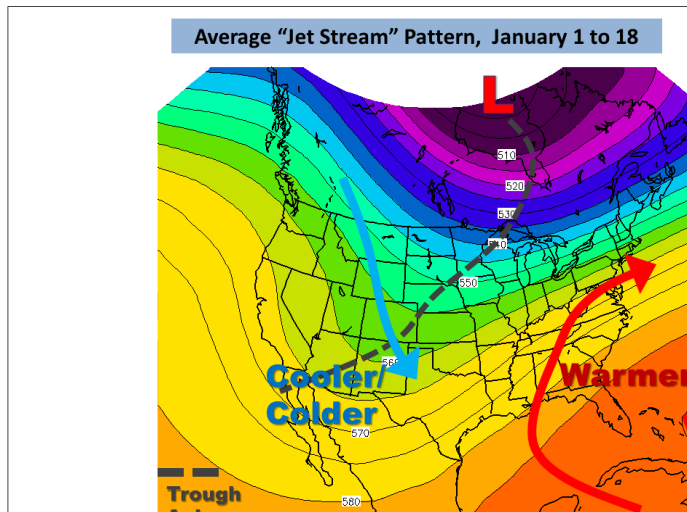
January 2013's First Half Winter Becomes Second Half Spring

Temperature Rallies from nearly 4°F Below to 1°F Above Average

A January that seemed destined toward breaking the one to nearly two year streak of warmer than average months failed to do so in the end, as the chilly weather pattern (next page, left) that had persisted through mid-January flipped back to the general pattern that dominated much of December, 2012 for nearly the rest of the month (next page, right). Much warmer temperatures – ranging from 5° to 16°F above average – turned a locally 4°F negative departure into a nearly 2°F positive departure in only 10 days! A dry cold front at month's end did not provide enough cooling to bring monthly temperatures back below average. Quick statistics from the primary climate locations of Brownsville, Harlingen, and McAllen:

- At Brownsville/South Padre Island International Airport, the monthly average temperature of 61.5°F was 0.4°F above the 30 year average of 61.1°F. This marked the 24th consecutive month of above average temperatures.
- At Harlingen/Cooperative, the monthly average temperature of 60.3°F was 0.6°F above the 30 year average of 59.7°F. This marked the 13th consecutive month of above average temperatures.
- At McAllen/Miller Airport, the monthly average temperature of 62.2°F was 1.4°F above the 30 year average of 60.8°F. This marked the 13th consecutive month of above average temperatures, and the

34th of 35 months above average, dating back to March, 2010 – the last time McAllen was significantly below average.

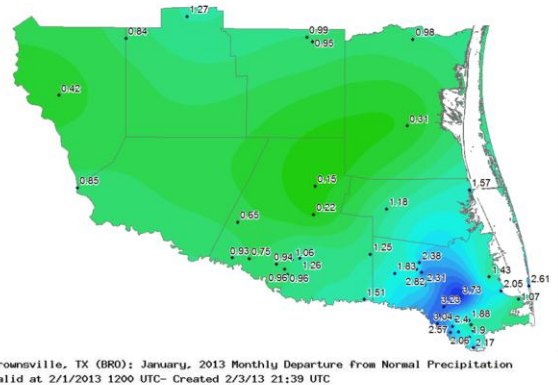


Left: Mean pattern and general temperature trends at approximately 18,000 feet above the earth’s surface from January 1-18. **Right:** Same as left except for January 19-31. The Florida peninsula, under the “Warm” pattern for most of the month, had temperatures 5°F or more above average, many among the top ten warmest.

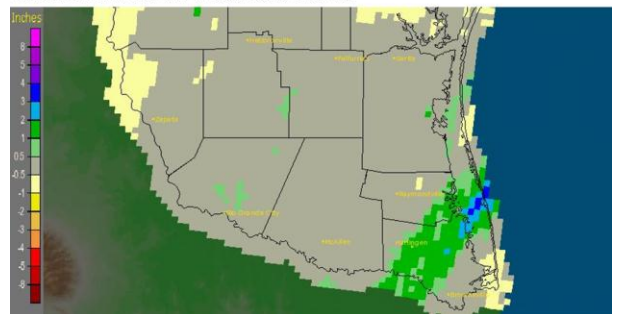
What About Rainfall?

For the first half of January, southwesterly flow well above the earth’s surface across Texas combined with colder air diving southward closer to the earth’s surface helped produce prolonged cloud cover and a few rain events. An upper level disturbance passed from Coahuila State, Mexico, into south central Texas on the 8th and 9th, and dropped welcome rain across the Valley. Two pronounced rain bands, one across Starr, Jim Hogg, and Brooks County and another across Cameron and Willacy County produced upwards of 2 inches of rain. For some locations, this was the average monthly rainfall – in just a couple days. A good thing, too; the pattern shift from subtropical and tropical moisture overriding cooler surface air to a west-to-east pattern of drier air from the southern Rockies and Mexican mountain ranges for most of the last two weeks of January shut off the rain machine completely. Monthly rainfall was more than an inch above average across the Lower Valley, a trifle below average in the mid Valley, and a trifle above average in the upper Valley and ranchlands. A stripe of much below average fell across the Rio Grande Plains in western Zapata County, which missed nearly all of the action.

RGV Rainfall Through January 14, 2013



Brownsville, TX (BRD): January, 2013 Monthly Departure from Normal Precipitation Valid at 2/1/2013 1200 UTC- Created 2/3/13 21:39 UTC



Some monthly totals included:

Location	Rainfall	Departure from Avg.
Brownsville/SPI	1.47	0.20
Harlingen/Coop	2.67	1.44
McAllen/Miller	0.98	-0.07
Port Isabel	2.03	0.21
Raymondville	1.26	0.09
McAllen/Coop	0.46	-0.50
Rio Grande City	0.50	-0.53
Hebbronville	1.34	0.11