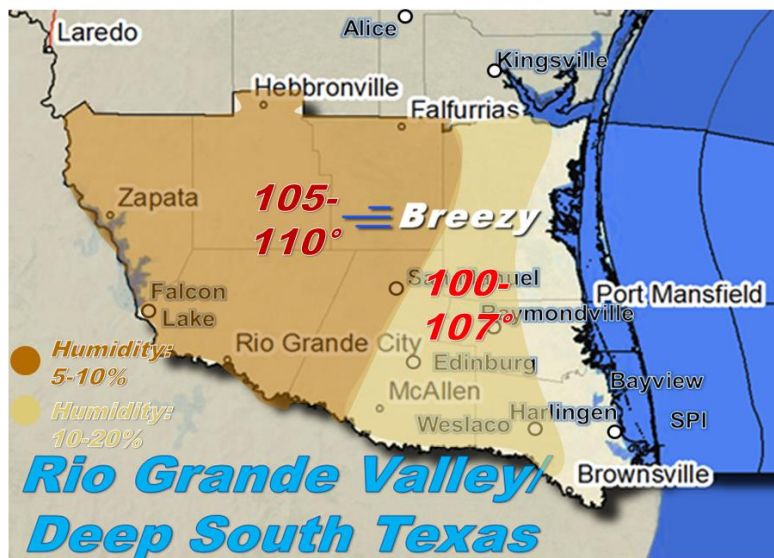


Smokin' **HOT!** April 27, 2014

Blazing Heat Torches Valley with Temperatures not Seen since Sept. 4, 2011

A deepening upper level disturbance across the southern Plains helped push drying westerly winds that “downsloped” and compressed (heated) an already warm air mass east of the Sierra Madre Oriental into record hot temperatures across the Rio Grande Valley and much of South Texas, extending to the Coastal Bend and Brush Country ranchlands. The heat spike pushed temperatures to levels not seen since Labor Day weekend 2011 and, combined with afternoon humidity between 5 and 15 percent mainly along/west of Highway 281 and gusty west winds up to 30 mph, created a “flash drought” and likely opened the door to a broader degradation in drought conditions after what had been a lush, green late March through mid-April. The following table shows observed high temperatures and previous records/standing records for calendar day of April 27th.

April 27th 2014 Afternoon Minimum Humidity



Preliminary Maximum Temperatures and New Calendar Day Records (as available)

Location	April 27 2014 Max	Previous(standing) record/year	New Ranking
Brownsville*	100	102 (1984)	2
Harlingen/Coop	98	103 (1984)	3
McAllen/Miller	107	105 (1991)	1
McAllen/Cooperative	109	103 (1984)	1
Edinburg/Cooperative	104	99 (1991)	1
Falfurrias/Cooperative	108	110 (1937)	2
La Joya	106	103 (2011)	1
Armstrong 4 SE	108	N/A	N/A
Falcon Dam	110	104 (2002)	1
Port Mansfield	102	95 (1964)	1
Sarita 7 E	109	N/A	N/A

*Data unofficial.

The hot weather would continue through the 28th, with triple digit heat once again for all but the immediate coast and Laguna Madre Bay communities. Once again, afternoon humidity crashed into the 8-15 percent range, mainly west of U.S. 77. As of 6 PM on the 28th, preliminary high temperatures included the following:

Preliminary April 28th Maximum Temperatures

- Santa Ana NWR 106
- Falcon Lake RAWS 106
- Edinburg/International: 104
- Linn/San Manuel NWR 103
- McAllen/Miller: 103
- Zapata County Arpt 102
- Weslaco/Mid Valley 101
- Kingsville/NAS 101
- Laredo/International 101
- Alice/International 101
- Harlingen/Valley Int'l 100
- Hebbronville RAWS 99
- Brownsville/SPI Int'l 98
- Laguna Atascosa NWR 93
- Bayview 92
- South Padre Island 82