

October 2015 Climate Review for Puerto Rico and the U.S. Virgin Islands

...Based on data received until Nov 4th...

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SYNOPSIS

A fair and stable weather pattern prevailed across the local islands the first half of October with mostly clear/sunny skies and a few locally induced showers and Tstorms. Showers and thunderstorms developed each afternoon over and north of Cordillera Central and Sierra de Cayey the third and fourth week of October with widespread shower and thunder activity observed during the weekend of October 24th and 25th.

Widespread activity was associated with a mid to upper level trough that persisted across the eastern Caribbean. Rainfall accumulations associated with this feature fluctuated between 4 and 5 inches across the eastern interior of Puerto Rico. Extreme drought conditions (D3) improved to severe drought (D2) across these areas as catchment basins began to respond.

Based on COOP data, an average rainfall total of 4.16 and 5.05 inches was observed across Saint Thomas/Saint John and Saint Croix, respectively. This is 78 and 93% of their normal rainfall. October 2015 is the 8th month in a row with rainfall accumulations below normal across the local islands. An average rainfall total of 6.06 inches was observed across Puerto Rico, which is 2.24 inches below normal. The highest maximum temperature recorded this month was 98°F at Levittown on 10/5, and the lowest minimum temperature was 60°F at Adjuntas Substation on 10/31.





RAINFALL

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Islandwide climate record period: 1940 to 2015

San Juan Metro Area climate record period: 1898 to 2015 (Primary climatological site)

Cyril E. King Airport/St Thomas climate record period: 1953 to 2015 (Primary climatological site)

Henry E. Rohlsen Airport/St Croix climate record period: 1951 to 2015 (Primary climatological site)

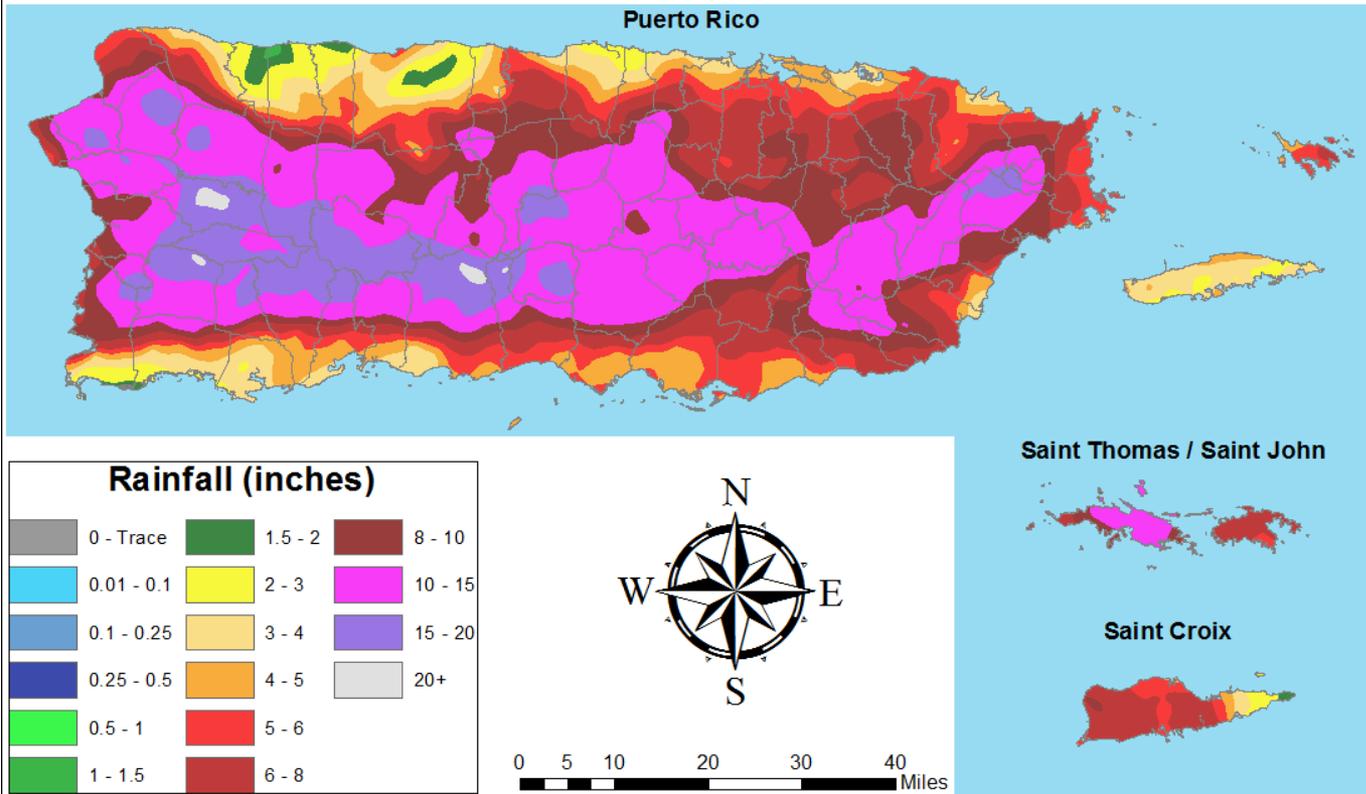
Following WMO criteria: Less than 10% of missing values



October 2015 Total Rainfall



2015 October Estimated Rainfall
National Weather Service WFO San Juan
 Data Source: AHPS
 Data is Preliminary



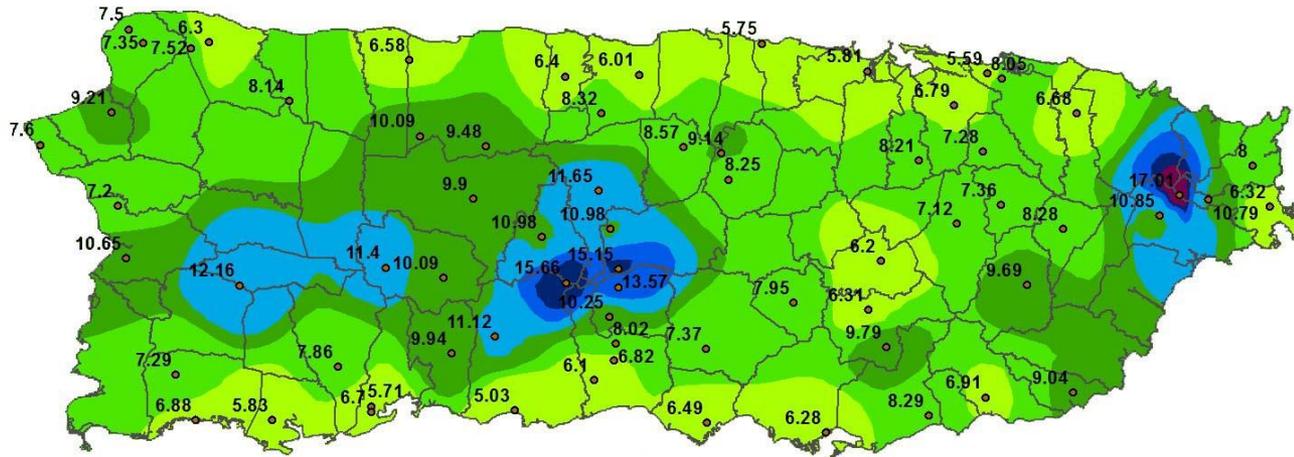
http://www.srh.noaa.gov/sju/?n=pr_usvi_normals



October Normal Rainfall 1981 - 2010



PUERTO RICO



Monthly Rainfall (Inches)



ST. THOMAS / ST. JOHN



ST. CROIX

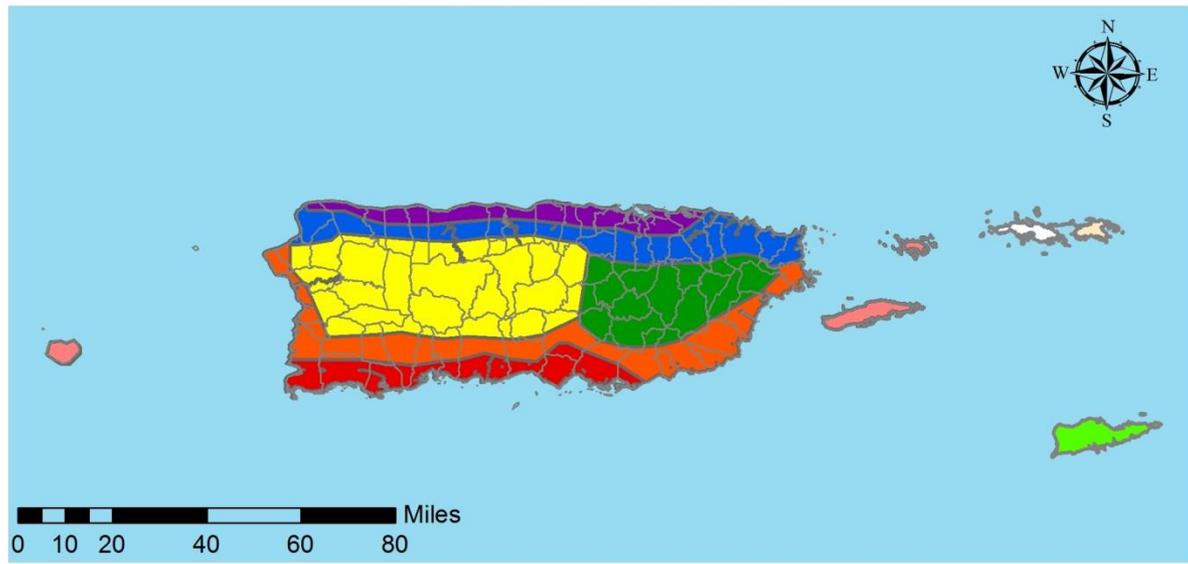




2015 Average Rainfall Accumulation per Climate Zones



Puerto Rico and U.S. Virgin Islands Climate Divisions



| | | |
|------------------------|-------------------------|-------------------------|
| NORTH COASTAL - 6601 | SOUTHERN SLOPES - 6604 | OUTLYING ISLANDS - 6607 |
| SOUTH COASTAL - 6602 | EASTERN INTERIOR - 6605 | SAINT THOMAS - 6701 |
| NORTHERN SLOPES - 6603 | WESTERN INTERIOR - 6606 | SAINT CROIX - 6702 |
| | | SAINT JOHN - 6703 |



2015 Average Rainfall Accumulation per Climate Zones

| North Coastal | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|
| OBSERVED | 4.11 | 3.81 | 2.73 | 1.82 | 4.17 | 2.50 | 1.82 | 5.31 | 6.17 | 4.29 | --- | --- |
| NORMAL | 4.06 | 2.96 | 2.87 | 5.16 | 7.24 | 4.71 | 5.67 | 5.86 | 7.32 | 7.45 | --- | --- |
| %PON PER MONTH | 101 | 129 | 95 | 35 | 58 | 53 | 32 | 91 | 84 | 58 | --- | --- |
| ACCUMULATED | 4.11 | 7.92 | 10.65 | 12.47 | 16.64 | 19.14 | 20.96 | 26.27 | 32.44 | 36.73 | --- | --- |
| NORMAL | 4.06 | 7.02 | 9.89 | 15.05 | 22.29 | 27.00 | 32.67 | 38.53 | 45.85 | 53.30 | --- | --- |
| % PON ACCUMULATED | 101 | 113 | 108 | 83 | 75 | 71 | 64 | 68 | 71 | 69 | --- | --- |

| South Coastal | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-----|-----|
| OBSERVED | 1.92 | 1.85 | 1.79 | 1.18 | 2.45 | 0.54 | 1.39 | 3.30 | 1.76 | 3.86 | --- | --- |
| NORMAL | 1.62 | 1.45 | 1.78 | 2.76 | 4.39 | 2.66 | 2.97 | 4.13 | 5.84 | 6.48 | --- | --- |
| %PON PER MONTH | 119 | 128 | 101 | 43 | 56 | 20 | 47 | 80 | 30 | 60 | --- | --- |
| ACCUMULATED | 1.92 | 3.77 | 5.56 | 6.74 | 9.19 | 9.73 | 11.12 | 14.42 | 16.18 | 20.04 | --- | --- |
| NORMAL | 1.62 | 3.07 | 4.85 | 7.61 | 12.00 | 14.66 | 17.63 | 21.76 | 27.60 | 34.08 | --- | --- |
| % PON ACCUMULATED | 119 | 123 | 115 | 89 | 77 | 66 | 63 | 66 | 59 | 59 | --- | --- |

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2015 Average Rainfall Accumulation per Climate Zones

| Northern Slopes | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|
| OBSERVED | 4.32 | 3.80 | 1.98 | 2.83 | 1.98 | 2.02 | 2.98 | 5.76 | 3.65 | 1.52 | --- | --- |
| NORMAL | 4.20 | 3.03 | 3.23 | 5.26 | 7.47 | 4.96 | 5.49 | 6.04 | 6.64 | 6.86 | --- | --- |
| %PON PER MONTH | 103 | 125 | 61 | 54 | 27 | 41 | 54 | 95 | 55 | 51 | --- | --- |
| ACCUMULATED | 4.32 | 8.12 | 10.10 | 12.93 | 14.91 | 16.93 | 19.91 | 25.67 | 29.32 | 32.84 | --- | --- |
| NORMAL | 4.20 | 7.23 | 10.46 | 15.72 | 23.19 | 28.15 | 33.64 | 39.68 | 46.32 | 53.18 | --- | --- |
| ACCUMULATION | 4.20 | 7.23 | 10.46 | 15.72 | 23.19 | 28.15 | 33.64 | 39.68 | 46.32 | 53.18 | --- | --- |
| % PON ACCUMULATED | 103 | 112 | 97 | 82 | 64 | 60 | 59 | 65 | 63 | 62 | --- | --- |

| Southern Slopes | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-----|
| OBSERVED | 2.25 | 2.84 | 2.00 | 1.47 | 2.68 | 0.99 | 1.79 | 3.48 | 4.03 | 4.97 | --- | --- |
| NORMAL | 2.00 | 1.86 | 2.28 | 3.91 | 5.90 | 3.54 | 3.83 | 5.54 | 8.29 | 9.04 | --- | --- |
| %PON PER MONTH | 113 | 153 | 88 | 38 | 45 | 28 | 47 | 63 | 49 | 55 | --- | --- |
| ACCUMULATED | 2.25 | 5.09 | 7.09 | 8.56 | 11.24 | 12.23 | 14.02 | 17.50 | 21.53 | 26.50 | --- | --- |
| NORMAL | 2.00 | 3.86 | 6.14 | 10.05 | 15.95 | 19.49 | 23.32 | 28.86 | 37.15 | 46.19 | --- | --- |
| ACCUMULATION | 2.00 | 3.86 | 6.14 | 10.05 | 15.95 | 19.49 | 23.32 | 28.86 | 37.15 | 46.19 | --- | --- |
| % PON ACCUMULATED | 113 | 132 | 115 | 85 | 70 | 63 | 60 | 61 | 58 | 57 | --- | --- |

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2015 Average Rainfall Accumulation per Climate Zones

| Eastern Interior | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|
| OBSERVED | 4.71 | 5.83 | 2.70 | 1.89 | 3.11 | 2.30 | 2.73 | 6.77 | 5.41 | 9.55 | --- | --- |
| NORMAL | 4.69 | 3.92 | 3.90 | 5.26 | 8.15 | 6.39 | 7.13 | 7.47 | 9.87 | 9.24 | --- | --- |
| %PON PER MONTH | 100 | 149 | 69 | 36 | 38 | 36 | 38 | 91 | 55 | 103 | --- | --- |
| ACCUMULATED | 4.71 | 10.54 | 13.24 | 15.13 | 18.24 | 20.54 | 23.27 | 30.04 | 35.45 | 45.00 | --- | --- |
| NORMAL | 4.69 | 8.61 | 12.51 | 17.77 | 25.92 | 32.31 | 39.44 | 46.91 | 56.78 | 66.02 | --- | --- |
| ACCUMULATION | 4.69 | 8.61 | 12.51 | 17.77 | 25.92 | 32.31 | 39.44 | 46.91 | 56.78 | 66.02 | --- | --- |
| % PON ACCUMULATED | 100 | 122 | 106 | 85 | 70 | 64 | 59 | 64 | 62 | 68 | --- | --- |

| Western Interior | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|
| OBSERVED | 3.75 | 5.06 | 3.79 | 6.65 | 7.25 | 4.21 | 2.76 | 8.25 | 10.99 | 9.24 | --- | --- |
| NORMAL | 3.90 | 2.75 | 3.57 | 6.77 | 10.09 | 5.83 | 5.70 | 8.29 | 10.77 | 10.74 | --- | --- |
| %PON PER MONTH | 96 | 184 | 106 | 98 | 72 | 72 | 48 | 100 | 102 | 86 | --- | --- |
| ACCUMULATED | 3.75 | 8.81 | 12.60 | 19.25 | 26.50 | 30.71 | 33.47 | 41.72 | 52.71 | 61.95 | --- | --- |
| NORMAL | 3.90 | 6.65 | 10.22 | 16.99 | 27.08 | 32.91 | 38.61 | 46.90 | 57.67 | 68.41 | --- | --- |
| ACCUMULATION | 3.90 | 6.65 | 10.22 | 16.99 | 27.08 | 32.91 | 38.61 | 46.90 | 57.67 | 68.41 | --- | --- |
| % PON ACCUMULATED | 96 | 132 | 123 | 113 | 98 | 93 | 87 | 89 | 91 | 91 | --- | --- |

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2015 Average Rainfall Accumulation per Climate Zones

| Mainland PR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|
| OBSERVED | 3.58 | 4.15 | 2.71 | 3.33 | 4.15 | 2.39 | 2.35 | 6.00 | 5.83 | 6.06 | --- | --- |
| NORMAL | 3.41 | 2.66 | 2.94 | 4.85 | 7.21 | 4.68 | 5.13 | 6.22 | 8.12 | 8.30 | --- | --- |
| %PON PER MONTH | 105 | 156 | 92 | 69 | 58 | 51 | 46 | 96 | 72 | 73 | --- | --- |
| ACCUMULATED | 3.58 | 7.73 | 10.44 | 13.77 | 17.92 | 20.31 | 22.66 | 28.66 | 34.49 | 40.55 | --- | --- |
| NORMAL | 3.41 | 6.07 | 9.01 | 13.86 | 21.07 | 25.75 | 30.88 | 37.10 | 45.22 | 53.52 | --- | --- |
| ACCUMULATION | 3.41 | 6.07 | 9.01 | 13.86 | 21.07 | 25.75 | 30.88 | 37.10 | 45.22 | 53.52 | --- | --- |
| % PON ACCUMULATED | 105 | 127 | 116 | 99 | 85 | 79 | 73 | 77 | 76 | 76 | --- | --- |

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2015 Average Rainfall Accumulation per Climate Zones

| Saint Thomas/Saint John | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-----|-----|
| OBSERVED | 1.46 | 3.92 | 1.26 | 0.30 | 2.32 | 1.97 | 0.26 | 2.94 | 0.73 | 4.16 | --- | --- |
| NORMAL | 2.72 | 1.71 | 1.47 | 2.92 | 3.90 | 2.54 | 3.33 | 3.78 | 5.34 | 5.31 | --- | --- |
| %PON PER MONTH | 54 | 229 | 86 | 10 | 59 | 78 | 8 | 78 | 14 | 78 | --- | --- |
| ACCUMULATED NORMAL | 1.46 | 5.38 | 6.64 | 6.94 | 9.26 | 11.23 | 11.49 | 14.43 | 15.16 | 19.32 | --- | --- |
| ACCUMULATION | 2.72 | 4.43 | 5.90 | 8.82 | 12.72 | 15.26 | 18.59 | 22.37 | 27.71 | 33.02 | --- | --- |
| % PON ACCUMULATED | 54 | 121 | 113 | 79 | 73 | 74 | 62 | 65 | 55 | 59 | --- | --- |

| Saint Croix | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-----------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-----|-----|
| OBSERVED | 2.17 | 1.66 | 0.96 | 1.93 | 0.89 | 1.52 | 0.70 | 2.79 | 2.76 | 5.05 | --- | --- |
| NORMAL | 2.00 | 1.61 | 1.53 | 2.47 | 3.88 | 2.60 | 3.24 | 3.22 | 4.97 | 5.41 | --- | --- |
| %PON PER MONTH | 109 | 103 | 63 | 78 | 23 | 58 | 22 | 87 | 56 | 93 | --- | --- |
| ACCUMULATED NORMAL | 2.17 | 3.83 | 4.79 | 6.72 | 7.61 | 9.13 | 9.83 | 12.62 | 15.38 | 20.43 | --- | --- |
| ACCUMULATION | 2.00 | 3.61 | 5.14 | 7.61 | 11.49 | 14.09 | 17.33 | 20.55 | 25.52 | 30.93 | --- | --- |
| % PON ACCUMULATED | 109 | 106 | 93 | 88 | 66 | 65 | 57 | 61 | 60 | 66 | --- | --- |

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October 2015 in Perspective

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Top 5 **Wettest**

Top 5 **Driest**

Islandwide

| Year | Inches | Year | Inches |
|--------|--------|--------|--------|
| Oct-85 | 21.71 | Oct-68 | 3.74 |
| Oct-70 | 20.40 | Oct-14 | 4.26 |
| Oct-90 | 17.95 | Oct-93 | 4.43 |
| Oct-05 | 16.71 | Oct-91 | 4.55 |
| Oct-54 | 13.26 | Oct-82 | 4.79 |

**Mean Rainfall:
8.30 inches.**

**October 2015
accumulation:
6.06 inches.**

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Islandwide climate record period: 1940 to 2015



October 2015 in Perspective

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Top 5 **Wettest**

Top 5 **Driest**

San Juan Metro Area

| Year | Inches | Year | Inches |
|------|--------|------|--------|
| 1970 | 15.06 | 1979 | 1.17 |
| 1927 | 12.15 | 1915 | 1.61 |
| 2005 | 11.94 | 1963 | 1.63 |
| 2006 | 11.25 | 1992 | 1.74 |
| 1985 | 11.10 | 2015 | 1.77 |

Mean Rainfall:
5.59 inches.

October 2015 ended as the 5th driest October on record.

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October 2015 in Perspective

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Top 5 **Wettest**

Top 5 **Driest**

Cyril E. King Airport St Thomas

| Year | Inches | Year | Inches |
|------|--------|------|--------|
| 2010 | 16.20 | 2011 | 1.95 |
| 2005 | 12.49 | 1988 | 2.00 |
| 1974 | 12.45 | 1979 | 2.21 |
| 1954 | 12.39 | 1957 | 2.22 |
| 2008 | 11.04 | 2009 | 2.27 |

**Mean Rainfall:
5.42 inches.**

**October 2015
accumulation:
7.96 inches.**

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October 2015 in Perspective

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Top 5 **Wettest**

Top 5 **Driest**

Henry E. Rohlsen Airport St Croix

| Year | Inches | Year | Inches |
|------|--------|------|--------|
| 1977 | 16.20 | 1964 | 1.05 |
| 1990 | 12.95 | 2002 | 1.10 |
| 1954 | 11.79 | 1960 | 1.23 |
| 2006 | 10.12 | 1992 | 1.55 |
| 2008 | 9.09 | 1993 | 1.87 |

**Mean Rainfall:
5.25 inches.**

**October 2015
accumulation:
2.90 inches.**

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October 2015 in Perspective

Wettest Days

| Station | Inches | Date |
|-----------------------|--------|------------|
| MARICAO 2 SSW | 5.59 | 10/26/2015 |
| ADJUNTAS SUBSTN | 4.91 | 10/26/2015 |
| AIBONITO | 3.97 | 10/25/2015 |
| MARICAO FISH HATCHERY | 3.22 | 10/26/2015 |
| LAJAS SUBSTATION | 3.11 | 10/26/2015 |



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October 2015 Highlights for Primary Climatological Data Sites

Wettest Days

San Juan Metro Area

| Inches | Date |
|--------|------------|
| 0.49 | 10/28/2015 |
| 0.35 | 10/17/2015 |
| 0.28 | 10/13/2015 |
| 0.24 | 10/25/2015 |
| 0.09 | 10/31/2015 |

Cyril E. King AP/St Thomas

| Inches | Date |
|--------|------------|
| 4.5 | 10/3/2015 |
| 1.42 | 10/15/2015 |
| 0.77 | 10/8/2015 |
| 0.42 | 10/31/2015 |
| 0.16 | 10/27/2015 |

Henry E. Rohlsen AP/St. Croix

| Inches | Date |
|--------|------------|
| 1.68 | 10/8/2015 |
| 0.43 | 10/16/2015 |
| 0.21 | 10/18/2015 |
| 0.15 | 10/7/2015 |
| 0.08 | 10/26/2015 |

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TEMPERATURE

Islandwide climate record period: 1940 to 2015

San Juan Metro Area climate record period: 1898 to 2015 (Primary climatological site)

Cyril E. King Airport/St Thomas climate record period: 1953 to 2015 (Primary climatological site)

Henry E. Rohlsen Airport/St Croix climate record period: 1951 to 2015 (Primary climatological site)

Following WMO criteria: Less than 10% of missing values



October 2015 in Perspective: Mean Avg. Temperature

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Top 5 Warmest Top 5 Coolest San Juan Metro Area

| Year | °F |
|------|------|
| 2015 | 84.6 |
| 2009 | 84.4 |
| 1980 | 84.4 |
| 2014 | 84.2 |
| 1992 | 84.0 |

| Year | °F |
|------|------|
| 1917 | 78.3 |
| 1913 | 78.3 |
| 1922 | 79.0 |
| 1935 | 79.1 |
| 1936 | 79.2 |

Mean Temperature:
82.1 °F.

Oct 2015 ended as the warmest Oct on record, and the 13th warmest month for any given year.

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October 2015 in Perspective: Mean Avg. Temperature

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Top 5 **Warmest** Top 5 **Coollest**
Cyril E. King Airport St Thomas

| Year | °F |
|------|------|
| 1993 | 85.5 |
| 1994 | 85.4 |
| 1992 | 85.2 |
| 2013 | 84 |
| 1987 | 83.9 |

| Year | °F |
|------|------|
| 1954 | 78.7 |
| 1956 | 80.3 |
| 2010 | 80.5 |
| 1985 | 80.6 |
| 2007 | 80.9 |

Mean Temperature:
82.8 °F

October 2015 mean
temperature
83.6 °F

**Oct 2015 ended as
the 7th warmest Oct
on record.**

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October 2015 in Perspective: Mean Avg. Temperature

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Top 5 **Warmest**

Top 5 **Coollest**

Henry E. Rohlsen Airport St Croix

| Year | °F |
|-------------|-------------|
| 1972 | 84.3 |
| 2015 | 83.7 |
| 2013 | 83.5 |
| 1987 | 83.4 |
| 1963 | 83.2 |

| Year | °F |
|------|------|
| 1954 | 78.8 |
| 2010 | 80.0 |
| 1981 | 80.3 |
| 1951 | 80.3 |
| 2008 | 80.6 |

Mean Temperature:
82.1 °F.

Oct 2015 ended as the 2nd warmest Oct on record.

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October 2015 Highlights

Highest **Maximum** Temps

| Station | Value (°F) | Date |
|------------------------|-------------|------------|
| TOA BAJA LEVITOWN | 98 | 10/5/2015 |
| LAJAS SUBSTATION | 97 | 10/13/2015 |
| PONCE 4 E | 97 | 10/16/2015 |
| RIO PIEDRAS EXP STN | 97 | 10/13/2015 |
| MANATI 2 E | 95 | 10/7/2015 |

Lowest **Minimum** Temps

| Station | Value (°F) | Date |
|------------------------|-------------|------------|
| ADJUNTAS SUBSTN | 60 | 10/31/2015 |
| AIBONITO | 60 | 10/5/2015 |
| PONCE 4 E | 62 | 10/26/2015 |
| ISABELA SUBSTN | 63 | 10/16/2015 |
| RIO PIEDRAS EXP STN | 63 | 10/26/2015 |

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2015 Highlights for Primary Climatological Data Sites

Data till 10/31

FALL

| | SEP | OCT | SON 2015 ...Currently ranks as... | YTD |
|-----|--|--|--|---|
| JSJ | 6 th warmest (84.3F) | Warmest (84.6F), 5 th Driest (1.77") and 13 th Warmest month of any given year | Warmest (84.4F), and driest (6.07") | 3 rd driest (29.12"), and 5 th warmest (82.1F) |
| IST | 5 th driest (1.71") and 5 th warmest (85.0F) | 7 th warmest (83.6F)★ | 4 th Warmest (84.3 F), and 5 th driest (9.67") | 4 th warmest (82.1F) and 2015 currently ranks as the year with the 2 nd highest number of 80 degree nights. |
| ISX | 2 nd driest (1.27") | 2 nd Warmest (83.7F) | 2 nd Warmest (83.5F), and driest (4.17") | Driest (13.86") and 2 nd warmest (81.8F) |

San Juan Metro Area climate record period: 1898 to 2015 (Primary climatological site)

Cyril E. King Airport/St Thomas climate record period: 1953 to 2015 (Primary climatological site)

Henry E. Rohlsen Airport/St Croix climate record period: 1951 to 2015 (Primary climatological site)

Following WMO criteria: Less than 10% of missing values



2015 Highlights for Primary Climatological Data Sites

Summer

| | Jun | Jul | Aug | Season |
|---------------------|--|--|---|--|
| San Juan | 17 th driest and 8 th warmest | 4 th driest and 9 th warmest | --- | 11 th driest and 10 th warmest |
| Saint Thomas | 13 th driest and 13 th warmest | 2 nd driest, 8 th driest month, 5 th warmest, the month of July with the most 80 degree nights, and 3 rd longest streak -Tmin above 80 (ending 08/01). | 4 th warmest and 4 th driest. the 2 nd month of Aug with the most 80 degree nights, the 2 nd month on record with the most 80 degree nights | Driest and 3 rd warmest |
| Saint Croix | 7 th driest and 8 th warmest | 2 nd driest and 10 th warmest | 9 th warmest | 4 th driest and 6 th warmest |



2015 Highlights for Primary Climatological Data Sites

Spring

| | Mar | Apr | May | Season |
|--------------|-------------------------|--|--|--|
| San Juan | --- | 4 th warmest | 15 th driest and 5 th warmest | 5 th driest and 6 th warmest |
| Saint Thomas | --- | 8 th driest | 9 th wettest and 10 th warmest | 14 th warmest |
| Saint Croix | 10 th driest | 7 th driest and 7 th warmest | 9 th warmest and 12 th driest | 2 nd driest and 7 th warmest |

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2015 Highlights for Primary Climatological Data Sites

Winter

| | Dec (2014) | Jan | Feb | Season |
|--------------|-------------------------|-------------------------|--|-------------------------|
| San Juan | --- | 3 rd warmest | 6 th warmest | 5 th warmest |
| Saint Thomas | --- | --- | wettest February and 6 th wettest month | wettest |
| Saint Croix | 8 th wettest | 14 th driest | 6 th warmest | --- |

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LOOKING AHEAD TOWARD NOVEMBER



WFO

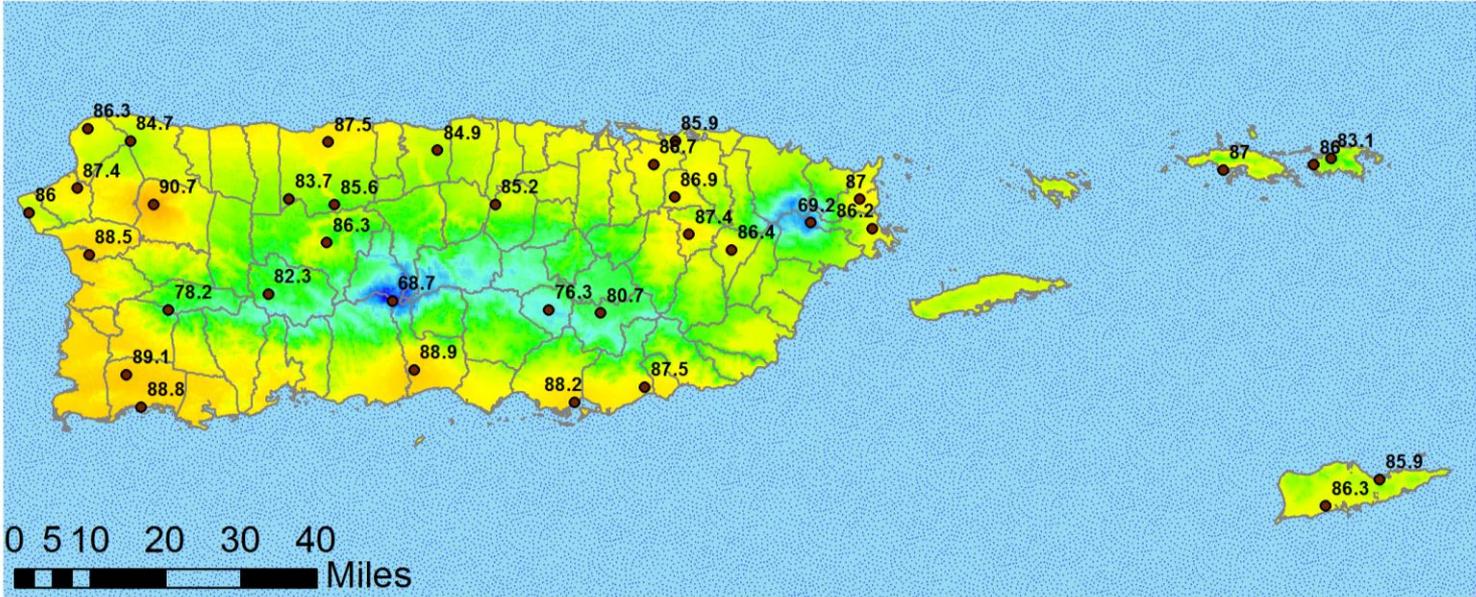
SAN JUAN





November Normal Maximum Temperatures 1981-2010

National Weather Service WFO San Juan



Temperature Range °F



High : 100

80

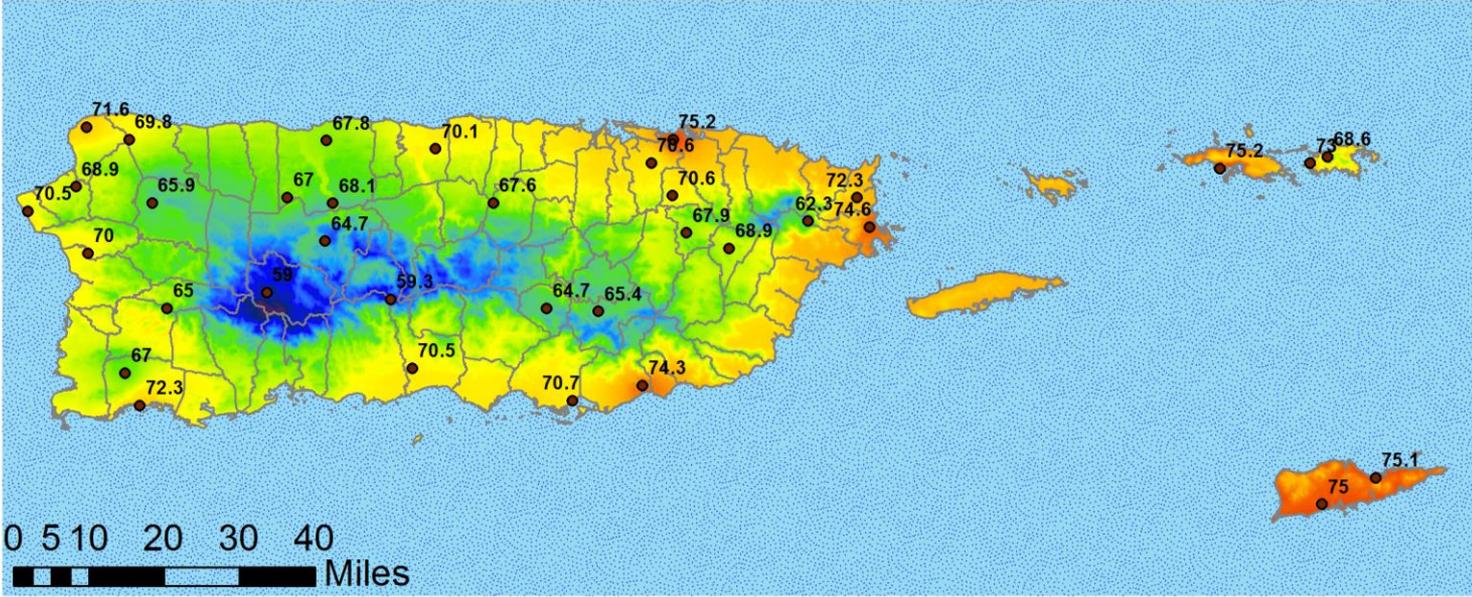
Low : 60



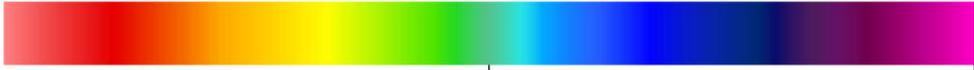


November Normal Minimum Temperatures 1981-2010

National Weather Service WFO San Juan



Temperature Range °F

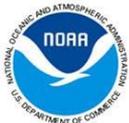


High : 80

65

Low : 50

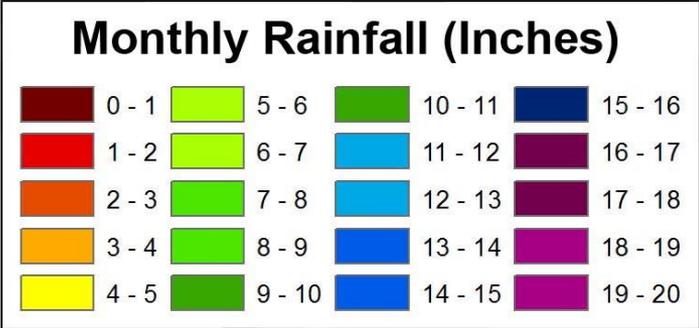
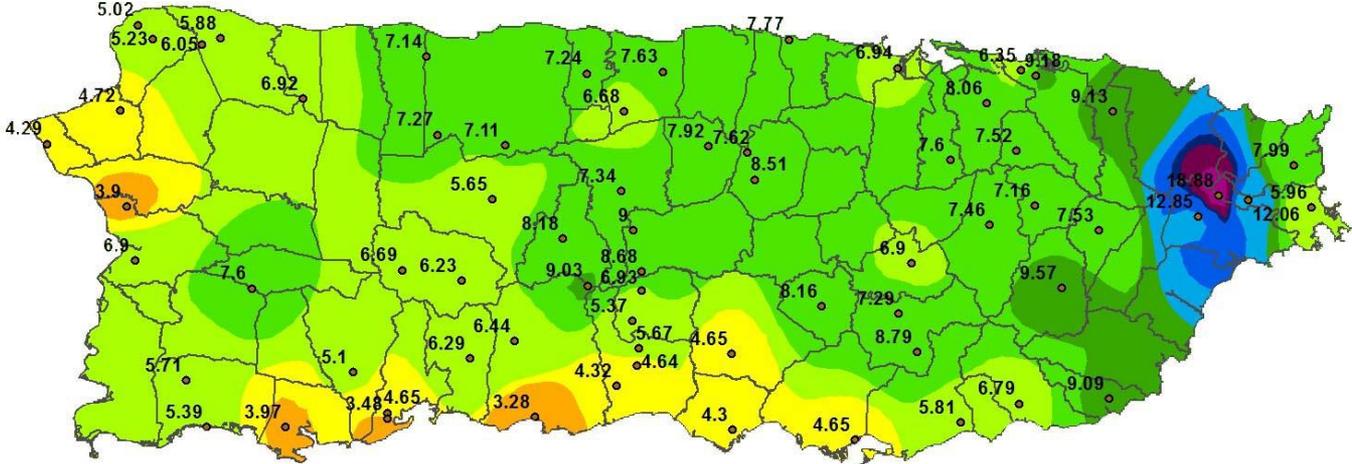




November Normal Rainfall 1981 - 2010



PUERTO RICO



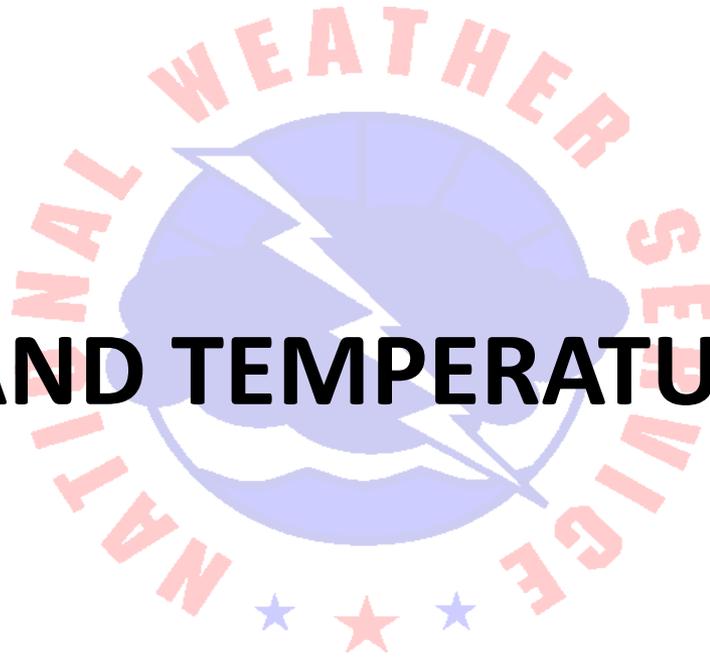
ST. THOMAS / ST. JOHN



ST. CROIX



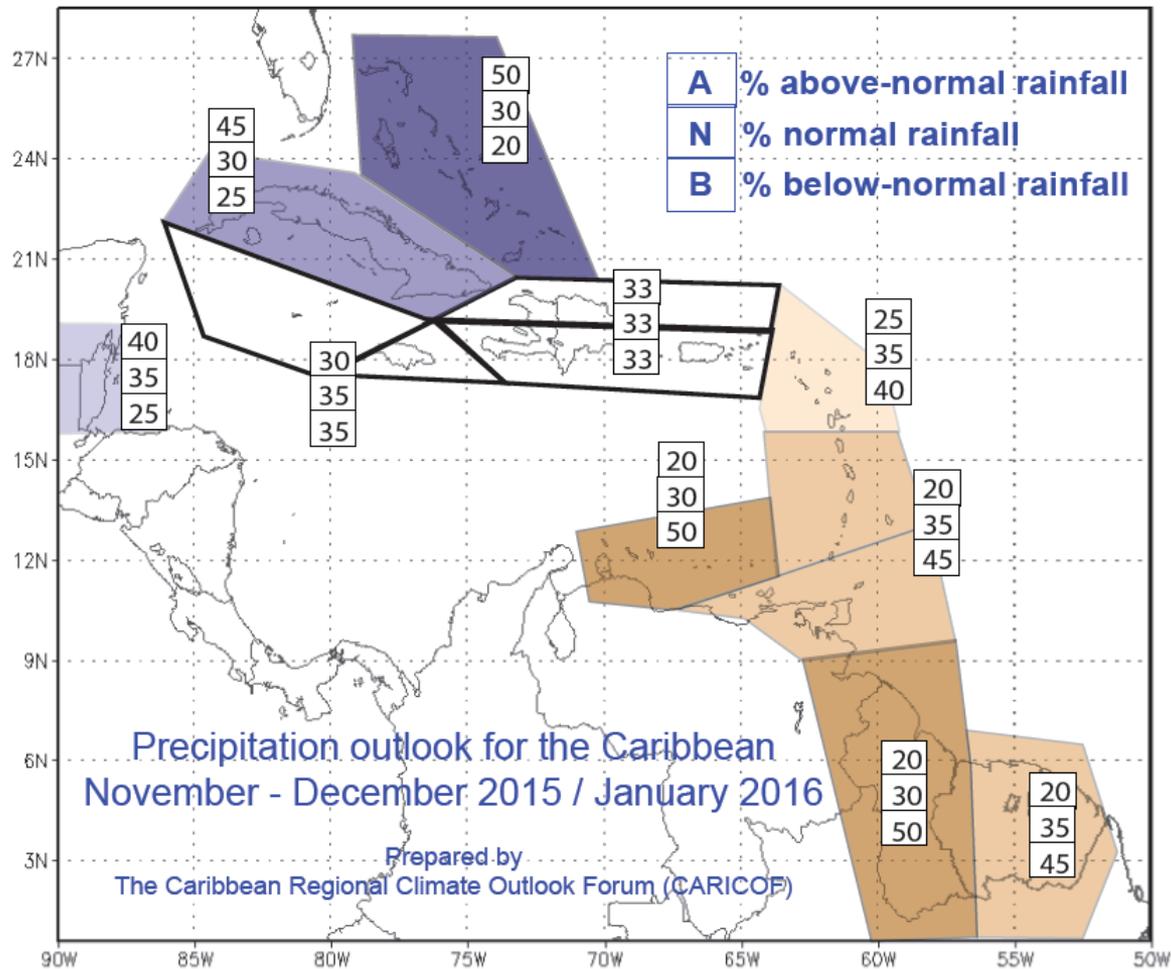
RAINFALL AND TEMPERATURE OUTLOOK



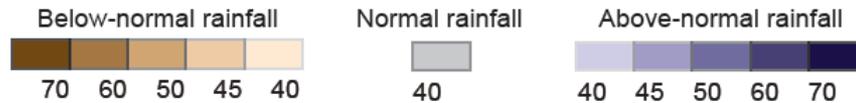
WFO

SAN JUAN



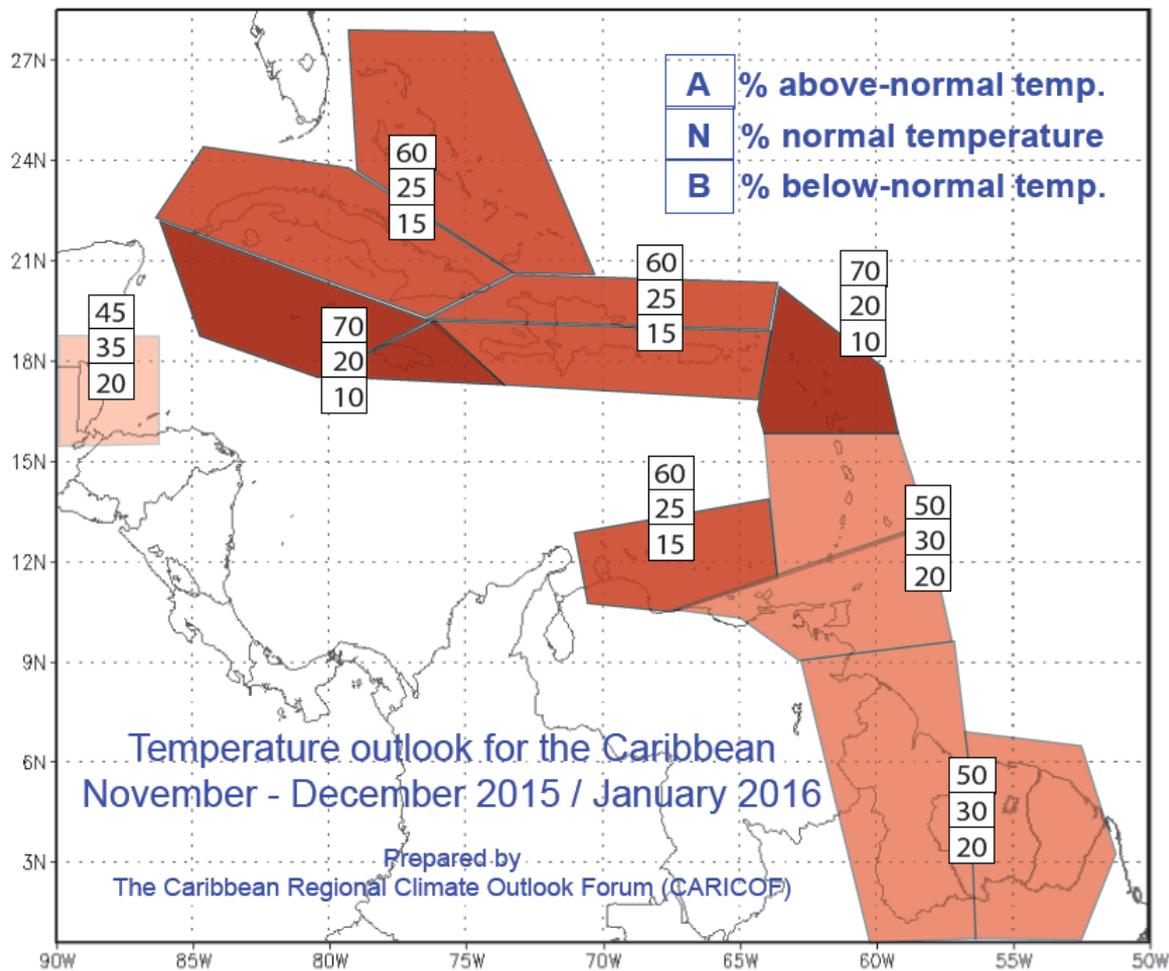


Probability (%) of Most Likely Category

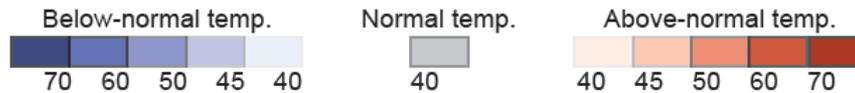


<http://www.cimh.edu.bb/?p=precipoutlook>





Probability (%) of Most Likely Category



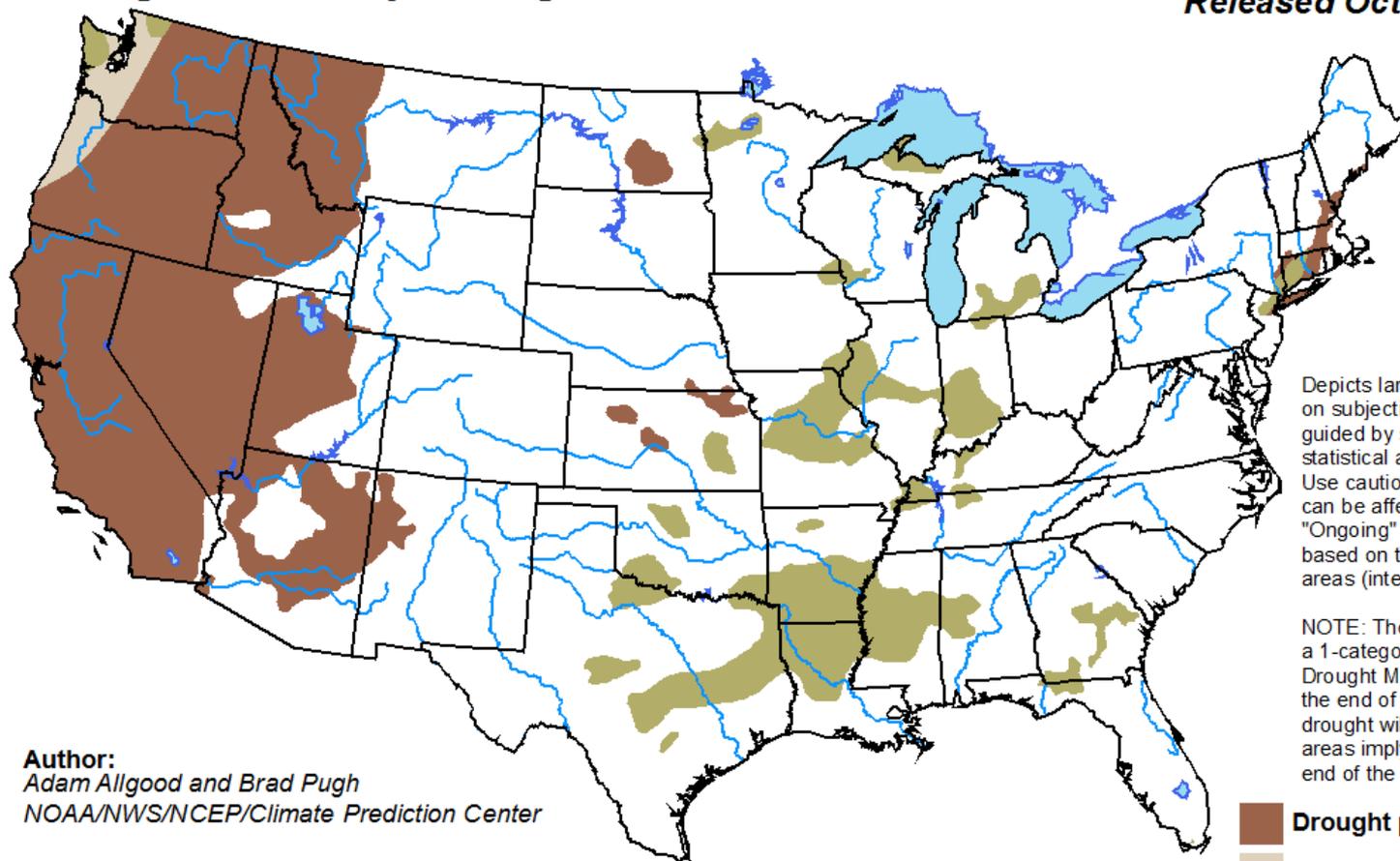
<http://www.cimh.edu.bb/?p=precipoutlook>



U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period

Valid for November 2015
Released October 31, 2015

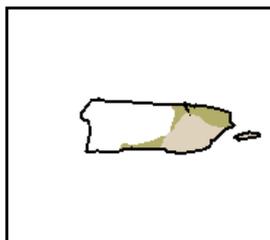
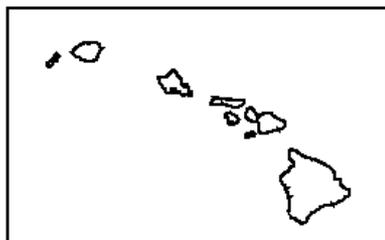
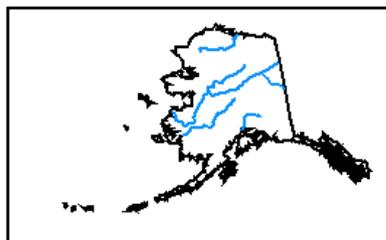


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Adam Allgood and Brad Pugh
NOAA/NWS/NCEP/Climate Prediction Center

-  Drought persists/intensifies
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



<http://go.usa.gov/3eZGd>