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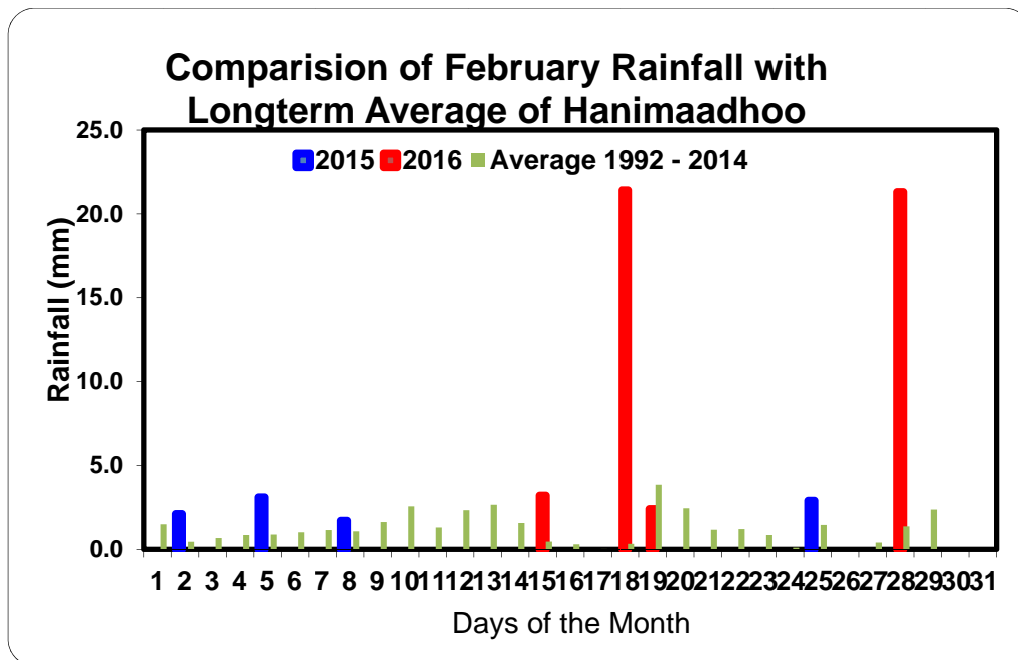
Climate Section
Maldives Meteorological Service
Hulhule

Climate Conditions in February 2016

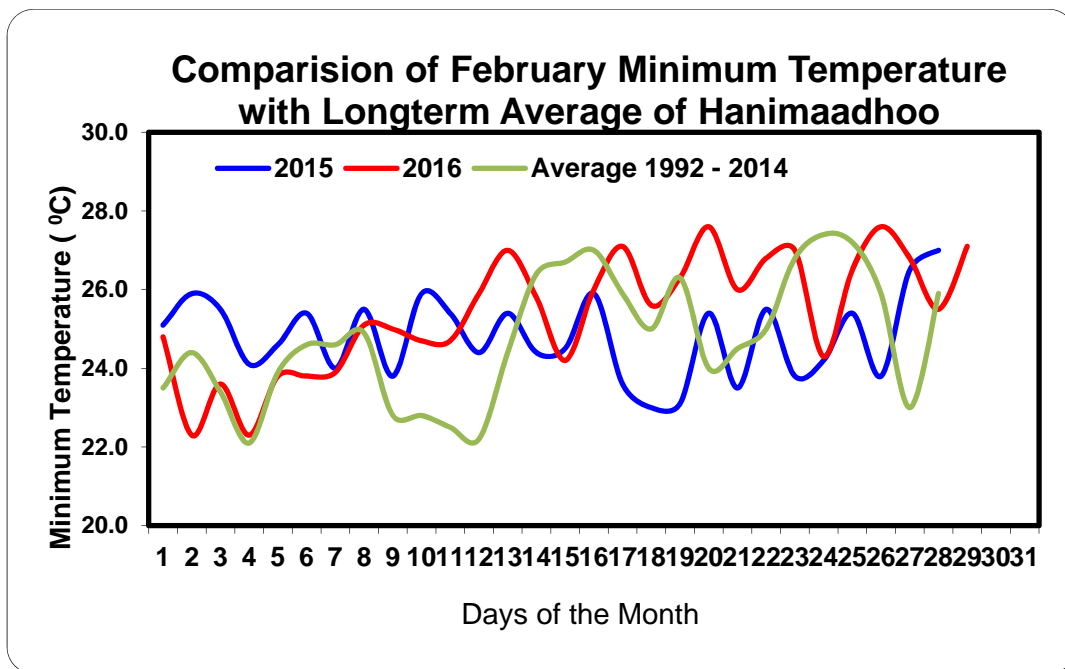
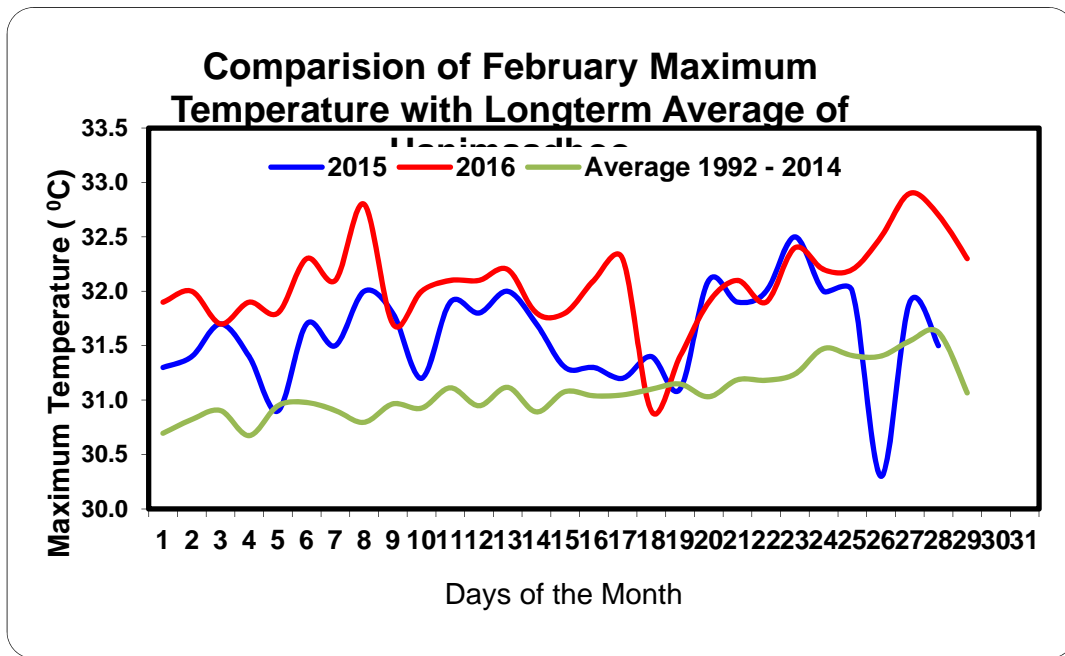
Date: 13th February 2016

North

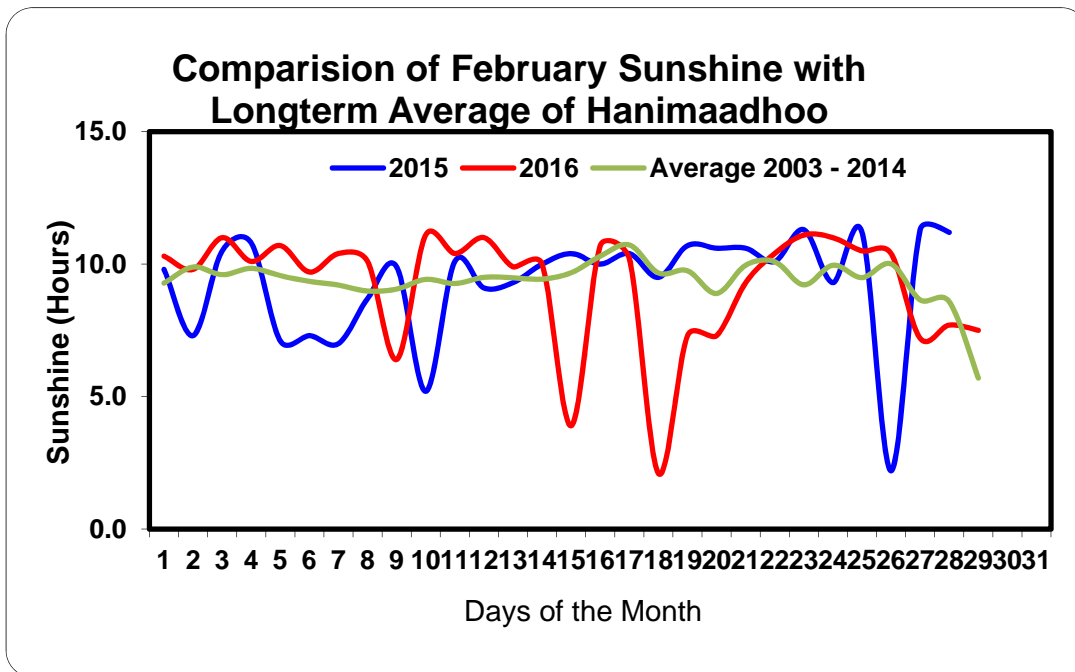
Last February, northern part of the country received a total rainfall of 48 mm. The highest rainfall within 24 hours was recorded on the 18th and amounts to 21 mm of rainfall. The rainfall received in February 2015 was 39 mm less than that of last February. Figure below shows daily total rainfall (2015 and 2016) and daily average rainfall for the Month of February for northern part of Maldives.



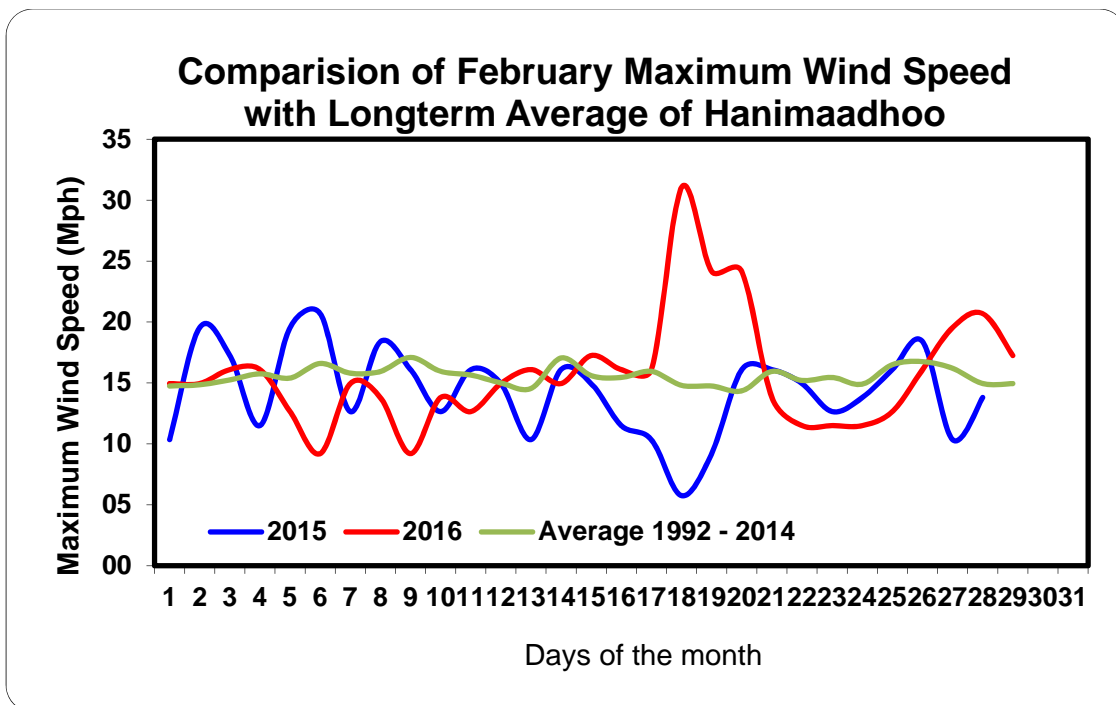
The highest temperature recorded in northern part of the Maldives last February was 33 degree Celsius, which was recorded on 27th. The minimum temperature recorded in the same area for the last month was 22 degree Celsius and was recorded on 02nd and 04th of February. However, the highest temperature recorded in February 2015 in northern part of the country was 33 degree Celsius, which was recorded on the 23rd. Furthermore, the minimum temperature recorded in northern part in February 2015 was 23 degree Celsius, recorded on the 18th. Figure below shows daily maximum and minimum temperature (2015 and 2016) and average maximum and minimum temperature for the Month of February for northern part of Maldives.



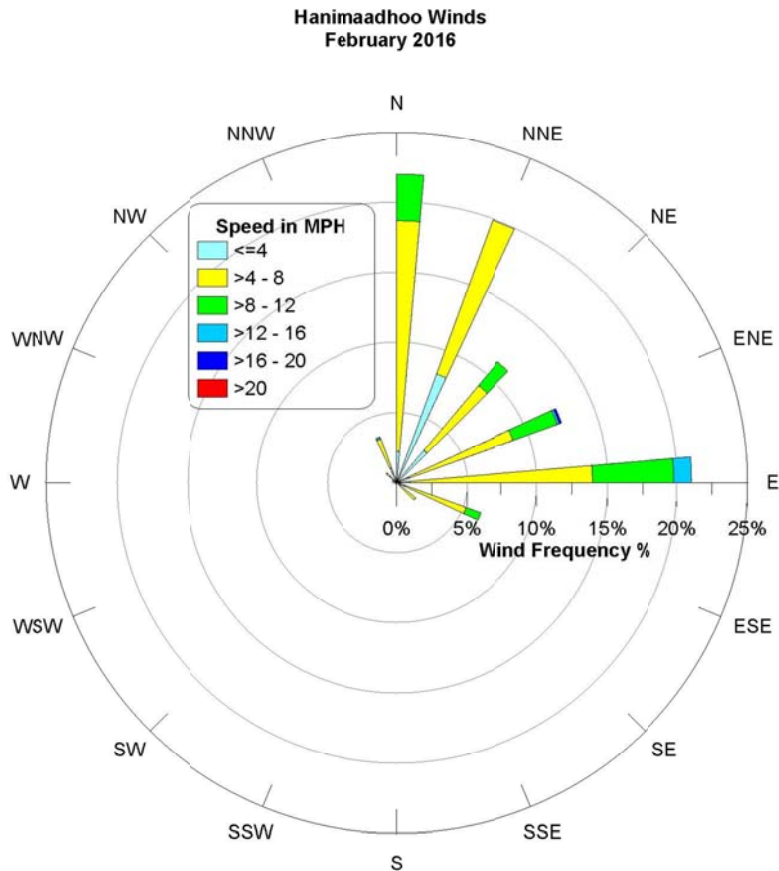
Northern part of the country received sunshine for 29 days last February, which amounts to 267 hours 30 minutes. Furthermore, in February 2015 northern part of the country received sunshine for 28 days, which amounts to 260 hours 54 minutes. Figure below shows daily sunshine (2015 and 2016) and daily average sunshine for the Month of February for northern part of Maldives.



Last February, the maximum wind speed in the northern part was experienced on the 18th at 10:51 hours from *east-north-east* at a speed of 32 mph. Furthermore, the maximum wind speed in the northern part in February 2015 was recorded on 06th at 16:29 hours from *south-south-east* at a speed of 21 mph. Figure below shows daily maximum wind speed (2015 and 2016) and daily average maximum wind speed for the Month of February for northern part of Maldives.



Below is wind frequency chart (Wind rose) of Hanimaadhoo for February 2016.

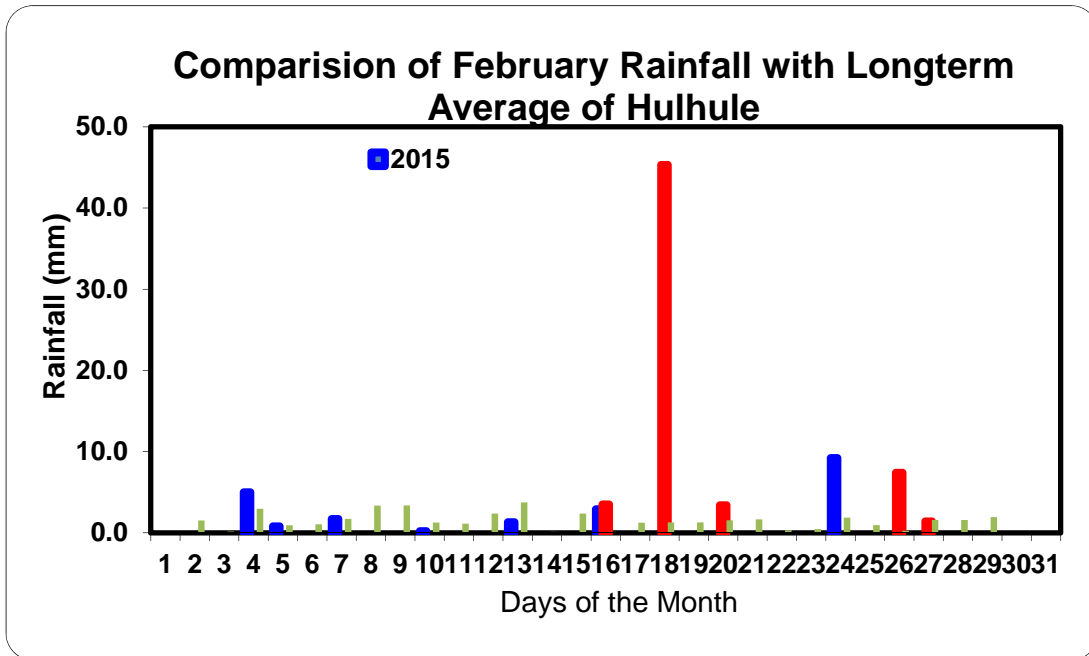


This is the wind rose for Hanimaadhoo based on hourly wind data of the month February 2016. This rose shows that the winds at Hanimaadhoo during the period blow from the north, north-north-east and east much of the time. In fact, the spokes in the directions north-east, east-north-east and east-south-east comprise about 25% of all hourly wind directions. This also shows that the wind rarely blows from south-east and north-north-west.

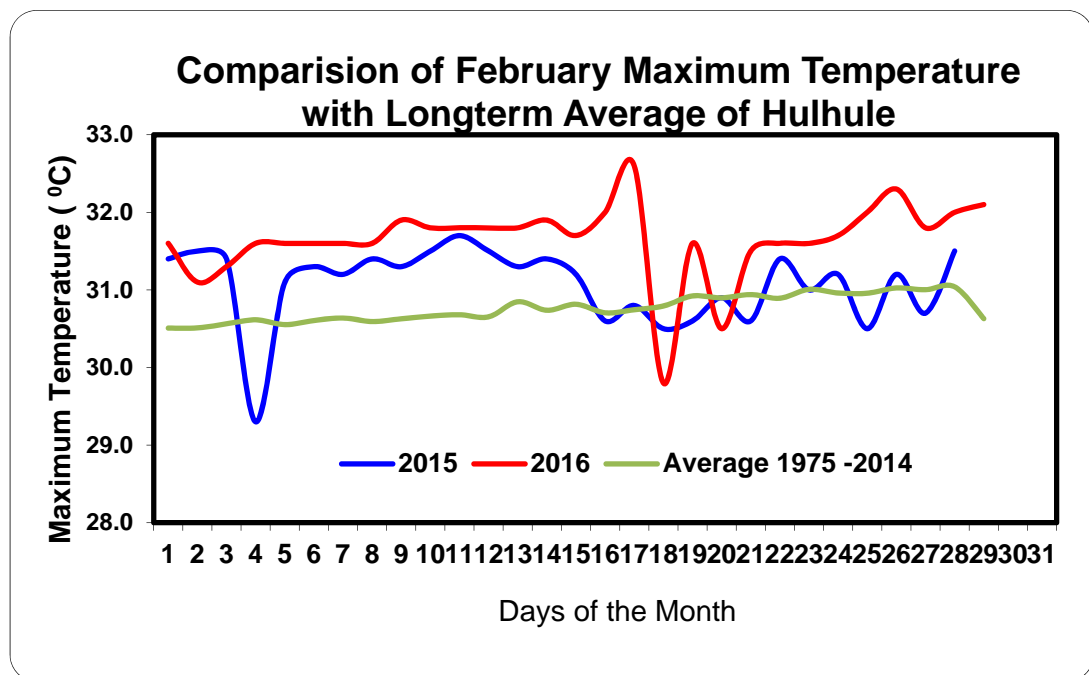
Highest maximum temperature recorded was 34.4 °C on 27 th April 1998
Lowest minimum temperature recorded was 18.2 °C on 23 rd December 2002
Highest wind recorded was 87.4 Miles from NNW on 03 rd February 1991
Highest rainfall within 24hrs recorded was 146.9 mm on 26 th May 2008

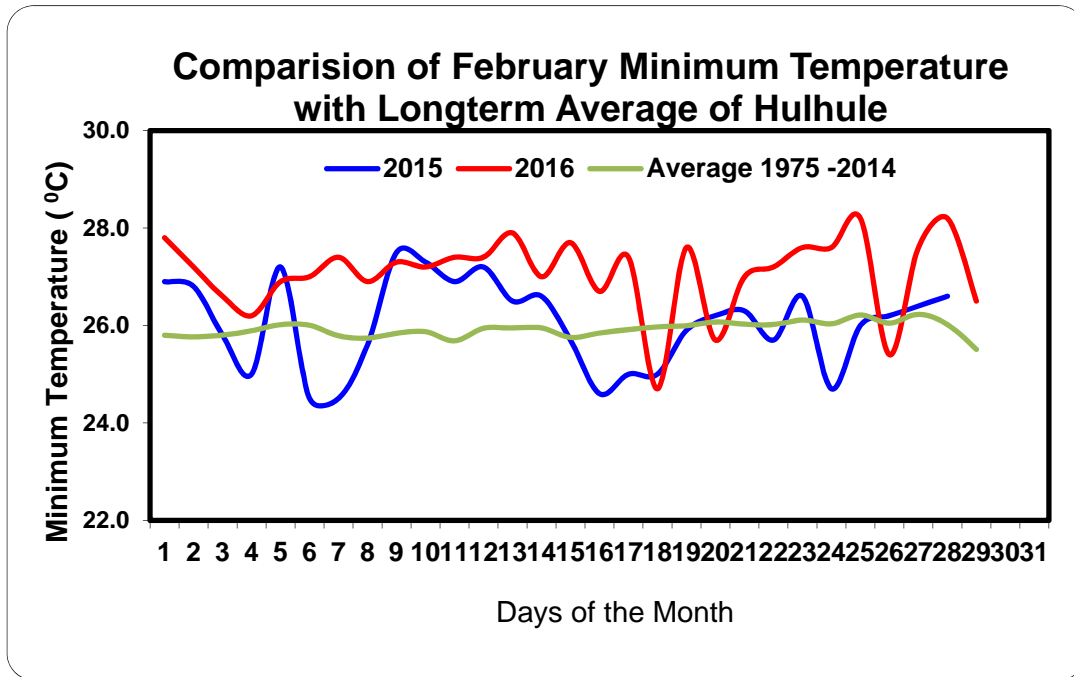
Central part

Last February, central part of the country received a total rainfall of 61 mm. The highest rainfall within 24 hours was recorded on the 18th and amounts to 45 mm of rainfall. The rainfall received in February 2015 was 40 mm less than that of last February. Figure below shows daily total rainfall (2015 and 2016) and daily average rainfall for the Month of February for central part of Maldives.

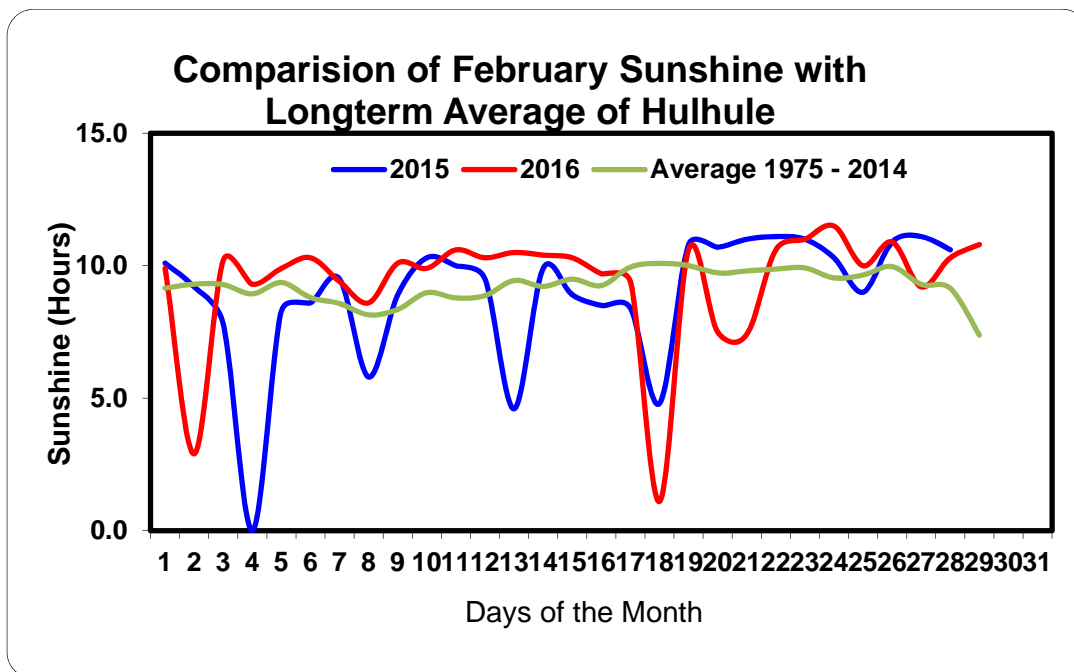


The highest temperature recorded in central part of the Maldives last February was 33 degree Celsius, which was recorded on the 17th. The minimum temperature recorded in the same area for the last month was 25 degree Celsius and was recorded on the 18th of February. On the other hand, the highest temperature recorded in February 2015 in central part of the country was 32 degree Celsius, which was recorded on the 11th. Furthermore, the minimum temperature recorded in the central part in February 2015 was 25 degree Celsius, recorded on the 06th and 07th. Figure below shows daily maximum and minimum temperature (2015 and 2016) and average maximum and minimum temperature for the Month of February for central part of Maldives.



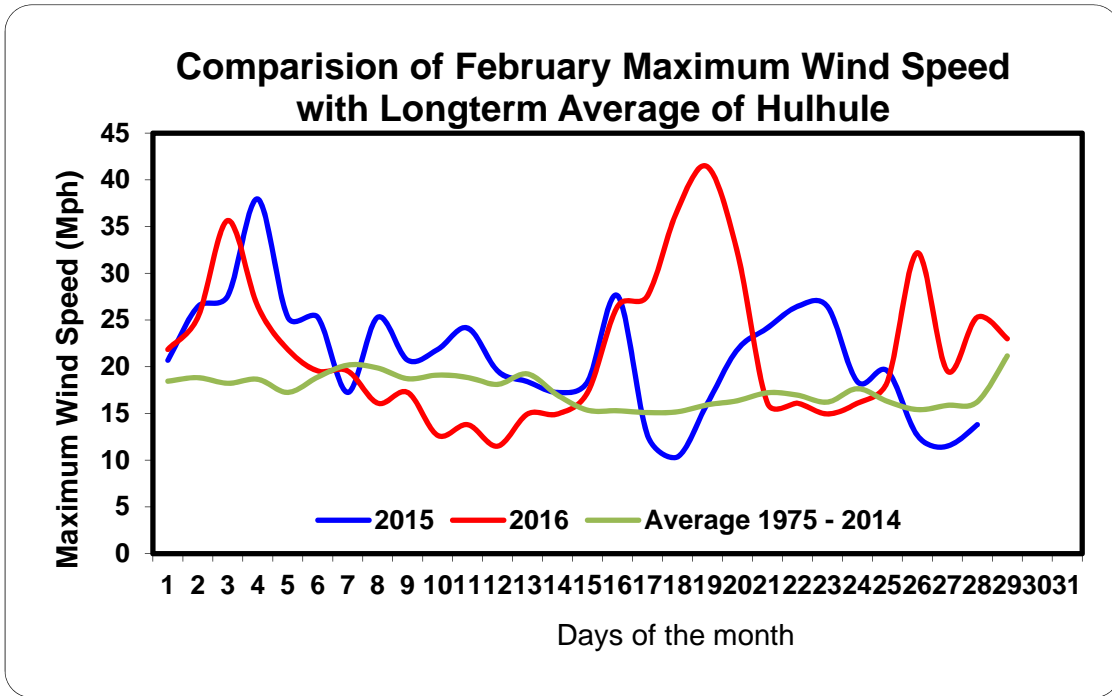


Central part of the country received sunshine for 29 days last February, which amounts to 272 hours 36 minutes. Furthermore, in February 2015 central part of the country received sunshine for 27 days, which amounts to 249 hours 36 minutes. Figure below shows daily sunshine (2015 and 2016) and daily average sunshine for the Month of February for central part of Maldives.

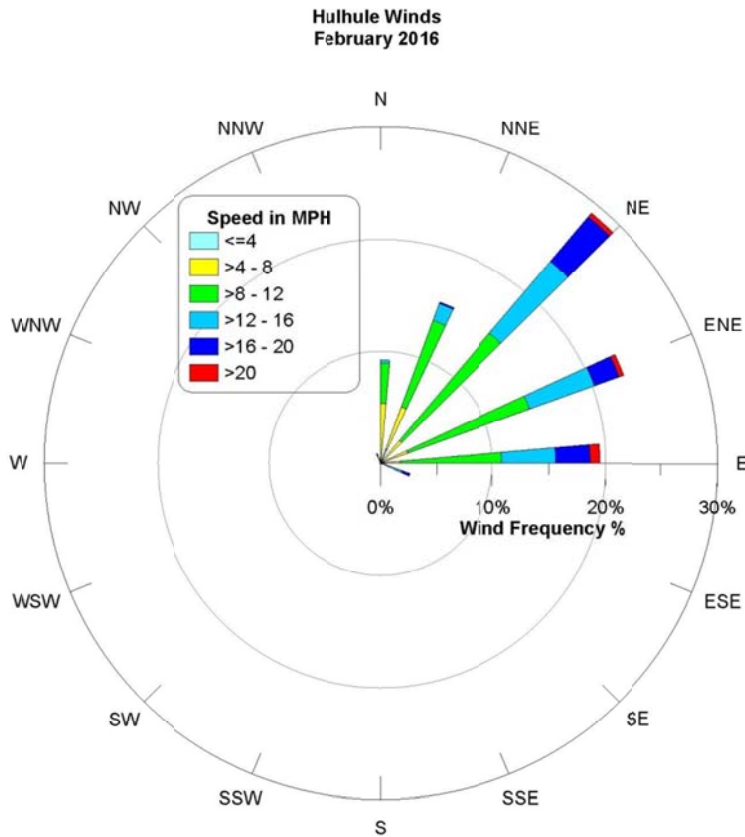


Last February, the maximum wind speed in Central part of the country was experienced on the 19th at 05:52 hours from *east* at a speed of 41 mph. However, the maximum wind speed in central part in February 2015 was recorded on the 04th at 06:55 hours at a speed

of 38 mph from *east-north-east*. Figure below shows daily maximum wind speed (2015 and 2016) and daily average maximum wind speed for the Month of February for central part of Maldives.



Below is wind frequency chart (Wind rose) of Hulhule for February 2016.



This is the wind rose for Hulhule based on hourly wind data of the month February 2016. This rose shows that the winds at Hulhule during the period blow from the north-east, east-north-east and east much of the time. In fact, the spokes in the directions north and north-north-east comprise about 25% of all hourly wind directions. This also shows that the wind rarely blows from north and east-south-east.

Highest maximum temperature recorded was 34.1 °C on 28 th April 1973

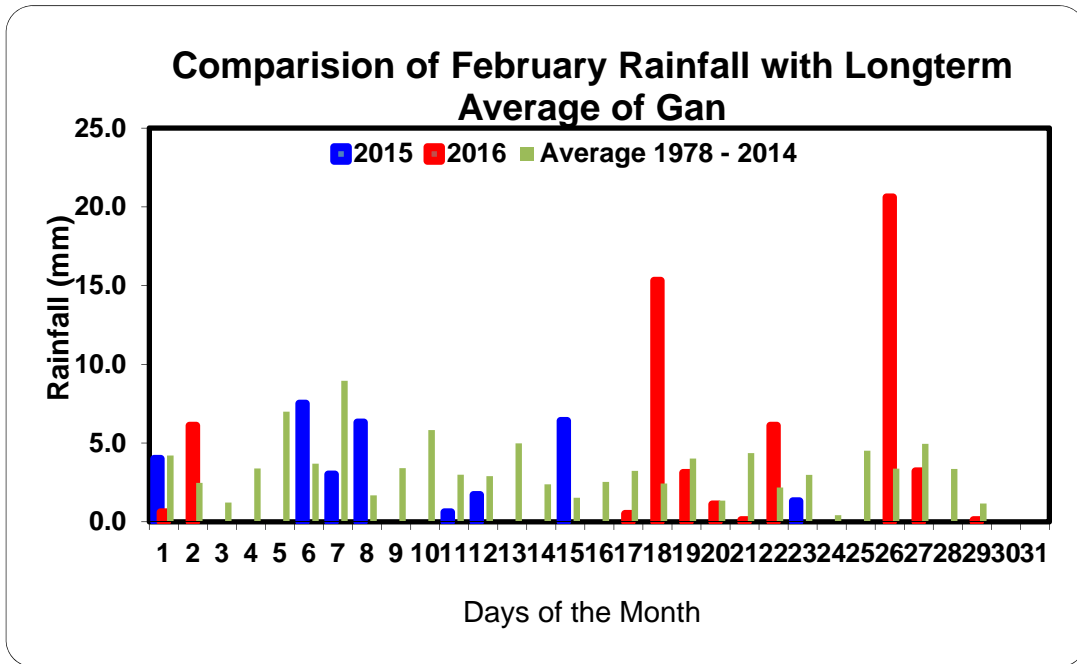
Lowest minimum temperature recorded was 19.0 °C on 23 rd November 1984

Highest wind recorded was 71.3 Miles from W on 03 rd November 1978

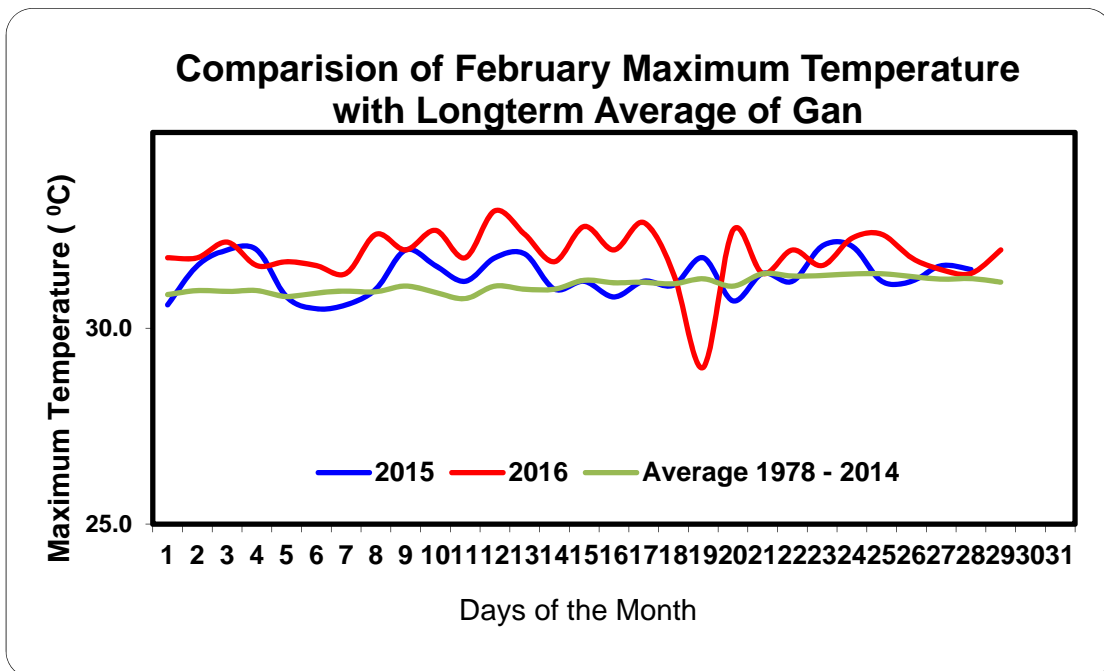
Highest rainfall within 24hrs recorded was 200.0 mm on 11 th December 1998

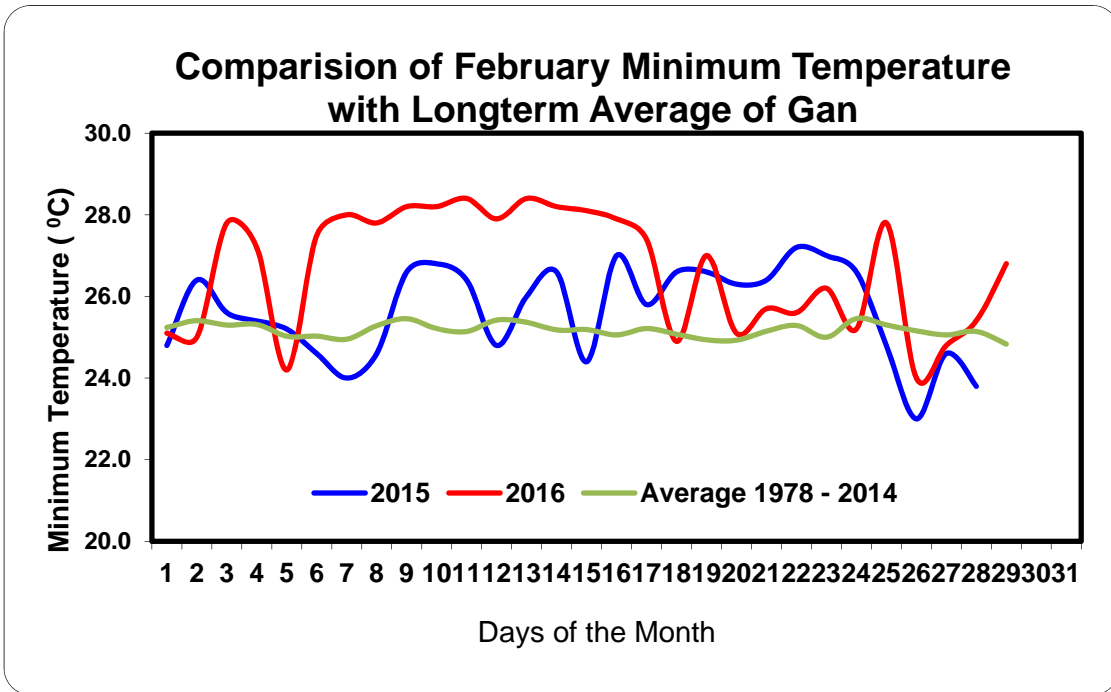
South

Last February, southern part of the country received a total rainfall of 57 mm. The highest rainfall within 24 hours was recorded on the 26th and amounts to 21 mm of rainfall. The rainfall received in February 2015 was 26 mm less than that of last February. Figure below shows daily total rainfall (2015 and 2016) and daily average rainfall for the Month of February for southern part of Maldives.

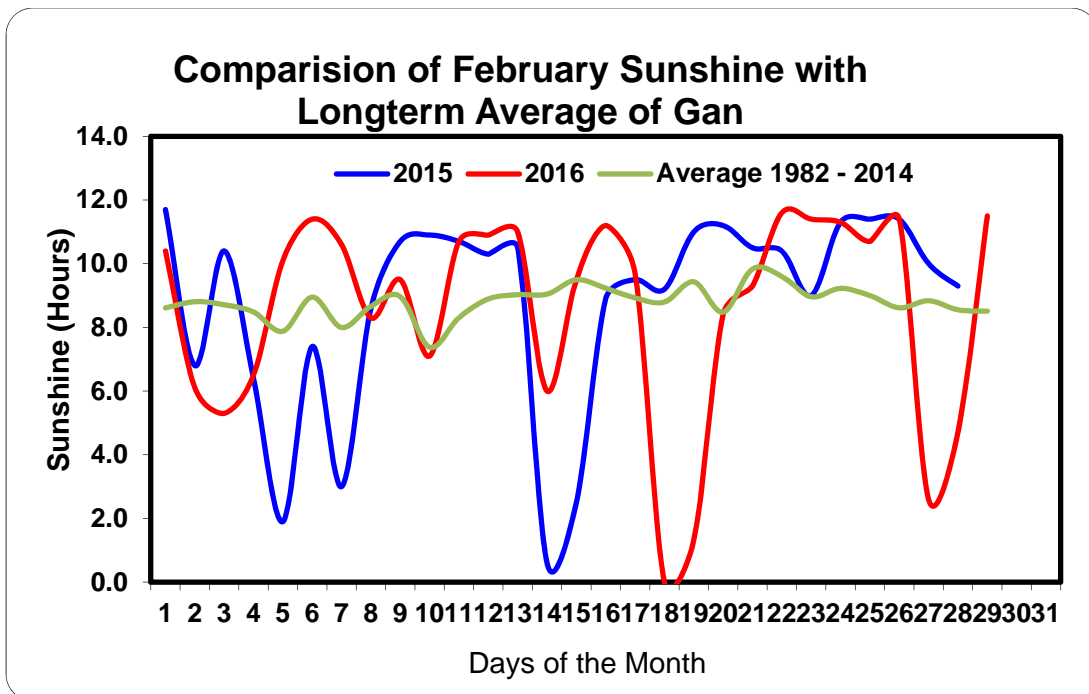


The highest temperature recorded in southern part of the Maldives last February was 33 degree Celsius, which was recorded on the 12th. The minimum temperature recorded in the same area for the last month was 24 degree Celsius and was recorded on the 26th of February. However, the highest temperature recorded in February 2015 in southern parts of the country was 32 degree Celsius, which was recorded on the 23rd and 24th. Furthermore, the minimum temperature recorded in south in February 2015 was 23 degree Celsius, recorded on the 26th. Figure below shows daily maximum and minimum temperature (2015 and 2016) and average maximum and minimum temperature for the Month of February for southern part of Maldives.

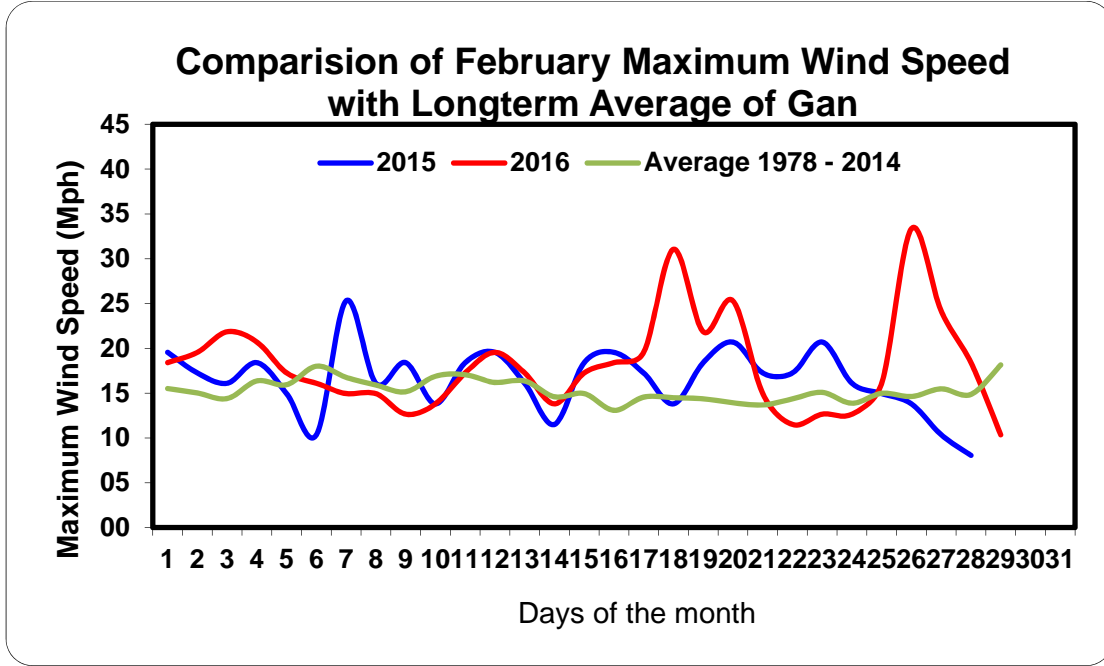




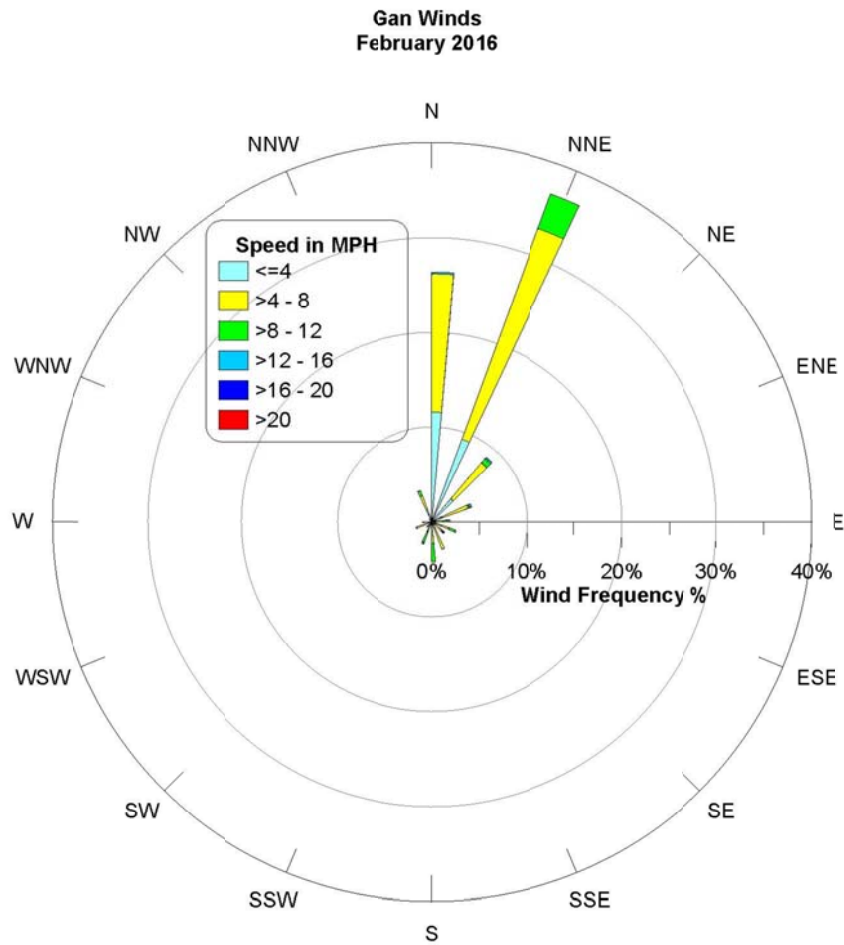
Southern part of the country received sunshine for 28 days last February, which amounts to 248 hours and 30 minutes. Furthermore, in February 2015 southern part of the country received sunshine for 28 days, which amounts to 245 hours 30 minutes. Figure below shows daily sunshine (2015 and 2016) and daily average sunshine for the Month of February for southern part of Maldives.



Last February, the maximum wind speed in south was experienced on the 27th at 02:14 hours from *east* at a speed of 33 mph. However, the maximum wind speed in southern atolls in February 2015 was recorded on the 08th at 03:37 hours at a speed of 25 mph from *west-north-west*. Figure below shows daily maximum wind speed (2015 and 2016) and daily average maximum wind speed for the Month of February for southern part of Maldives.



Below is wind frequency chart (Wind rose) of Gan for February 2016.



This is the wind rose for Gan based on hourly wind data of the month February 2016. This rose shows that the winds at Gan during the period blow from the north and north-north-east much of the time. This also shows that the wind rarely blows from other directions.

Highest maximum temperature recorded was 33.6 °C on 17 th April 1998

Lowest minimum temperature recorded was 19.7 °C on 24 th March 1986
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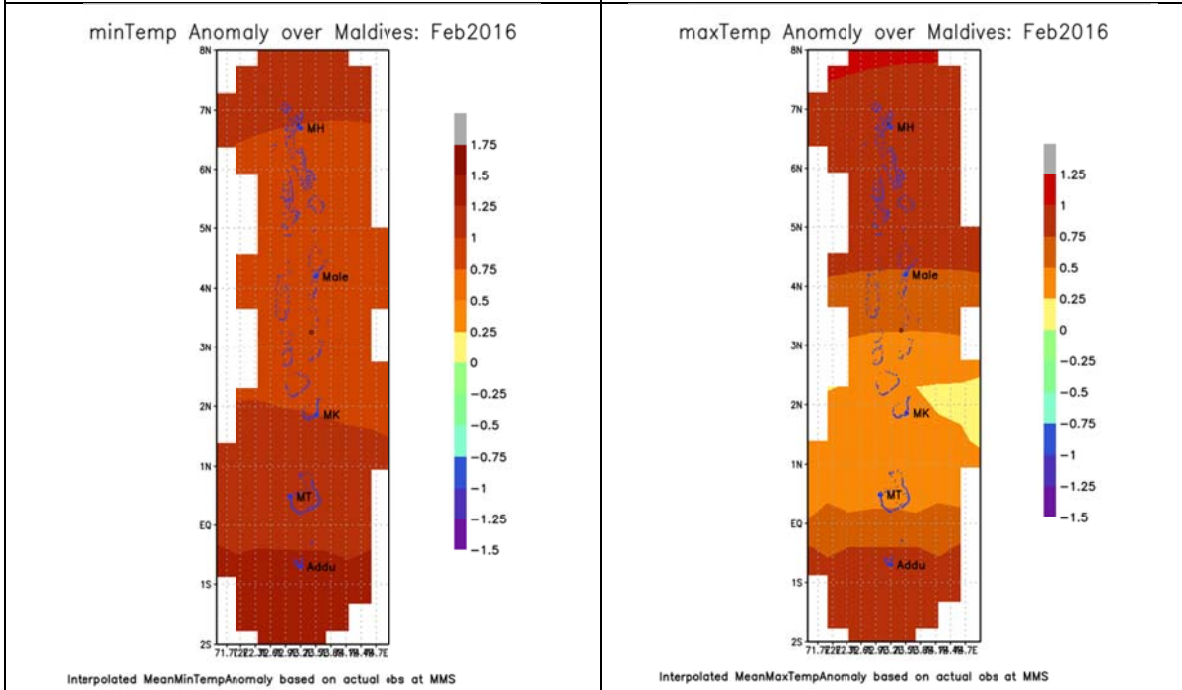
Highest wind recorded was 103.5 Miles from SW on 29 th May 1991
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Highest rainfall within 24hrs recorded was 228.4 mm on 24 th November 2015

General climatic condition over Maldives during the month of February 2016

Mean minimum temperature anomaly during the month of February 2016 shows nearly 1.0 – 1.3 °C warmer than long term minimum temperature average of February.

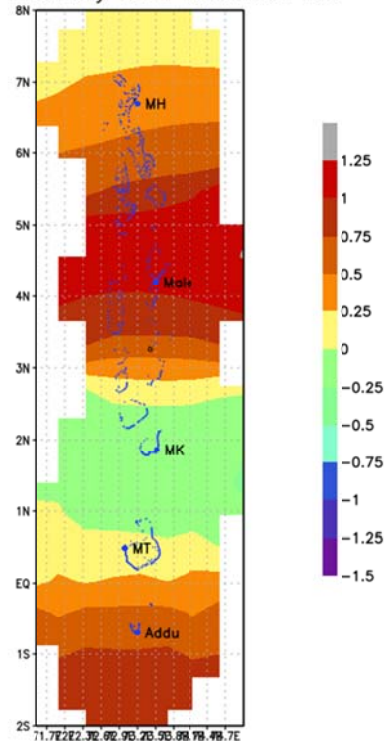
Mean Maximum temperature anomaly during the month of February 2016 shows nearly 0.2 – 1.0 °C warmer than long term maximum temperature average of February.



Mean temperature anomaly during the month of February 2016 shows normal to slightly -ve anomaly over Haddhunmati and Huvaduu atoll area while all other regions shows nearly 0.4 – 1.0 °C warmer than long term average of February temperature.

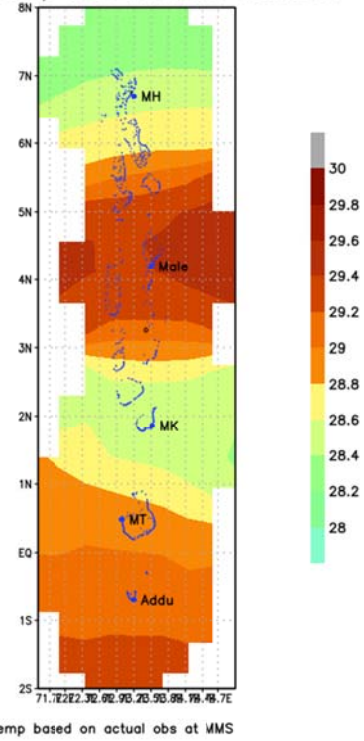
Average temperature during the month of February 2016 maintained in the range nearly 28.5 – 29.5 °C all over the country.

MeanTemp Anomaly over Maldives: Feb2016



Interpolated MeanTemperatureAnomaly based on actual obs at MMS

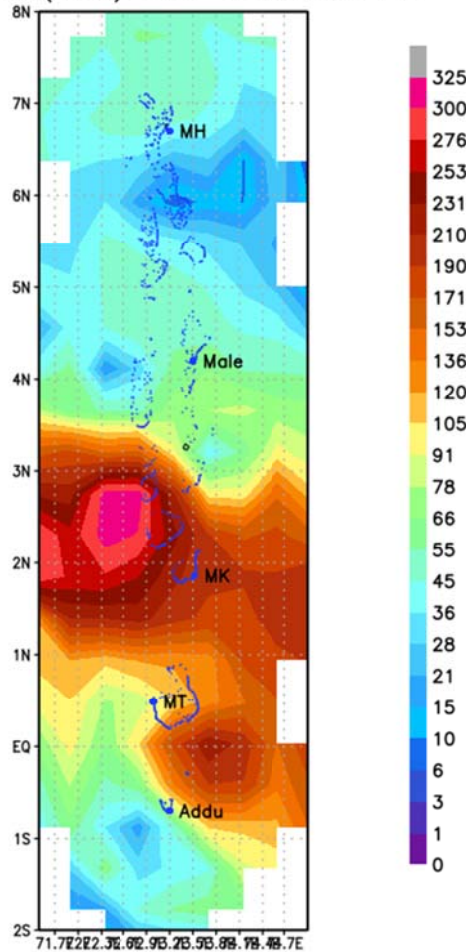
MeanTemp over Maldives: Feb2016



Interpolated MeanTemp based on actual obs at WMS

Spatial distribution of rainfall shows relatively high amount of rainfall over the area between Nilande atoll and Fuvahmulah. This area received rainfall in the range of 100 – 300 millimeters during the month of February 2016. Rest of the country received relatively less amount of rainfall in the range 10 – 60 millimeters during the month of February 2016.

Total Rainfall(mm) over Maldives: Feb2016



Interpolated TotalRainfall(mm) based on actual obs at MMS