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“Dhivehin” – Always Maldivian, Forever Independent

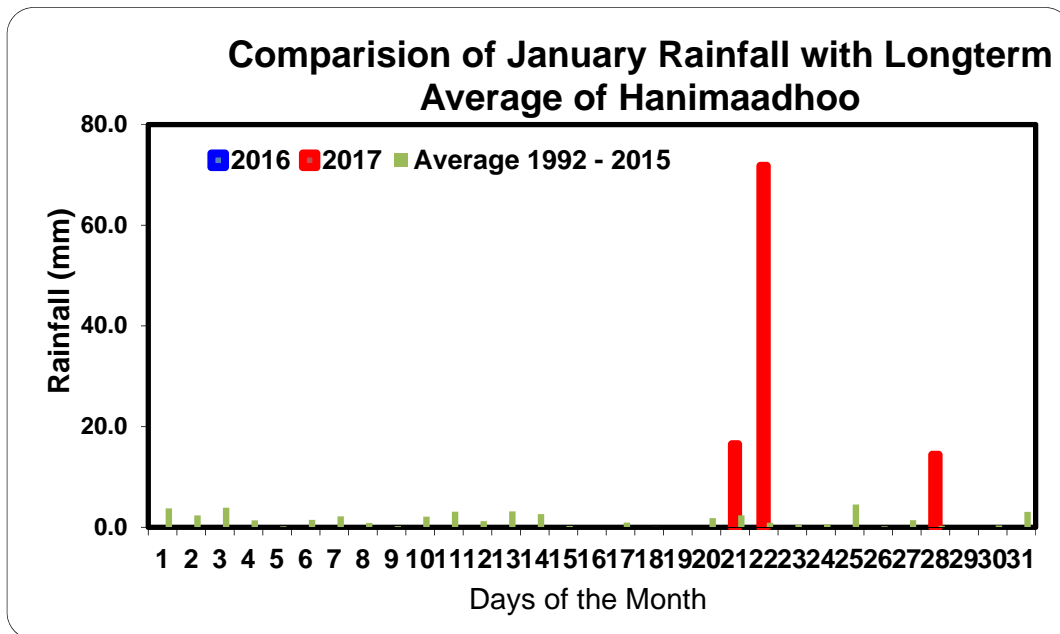
Climate Section  
Maldives Meteorological Service  
Hulhule

## Climate Conditions in January 2017

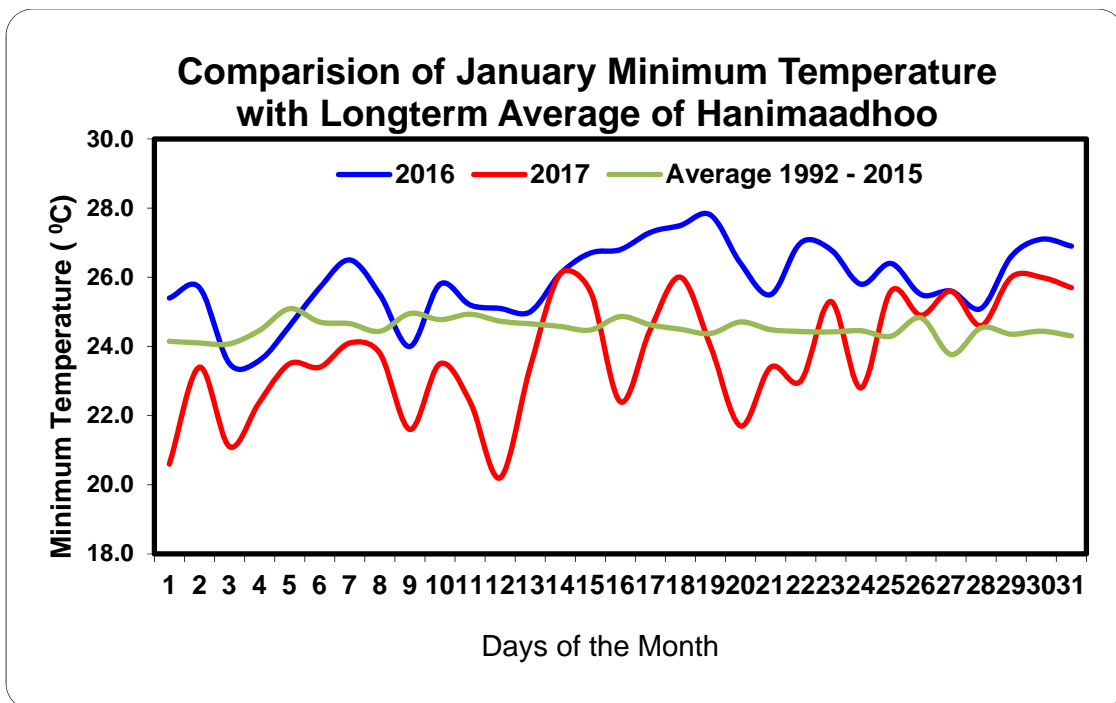
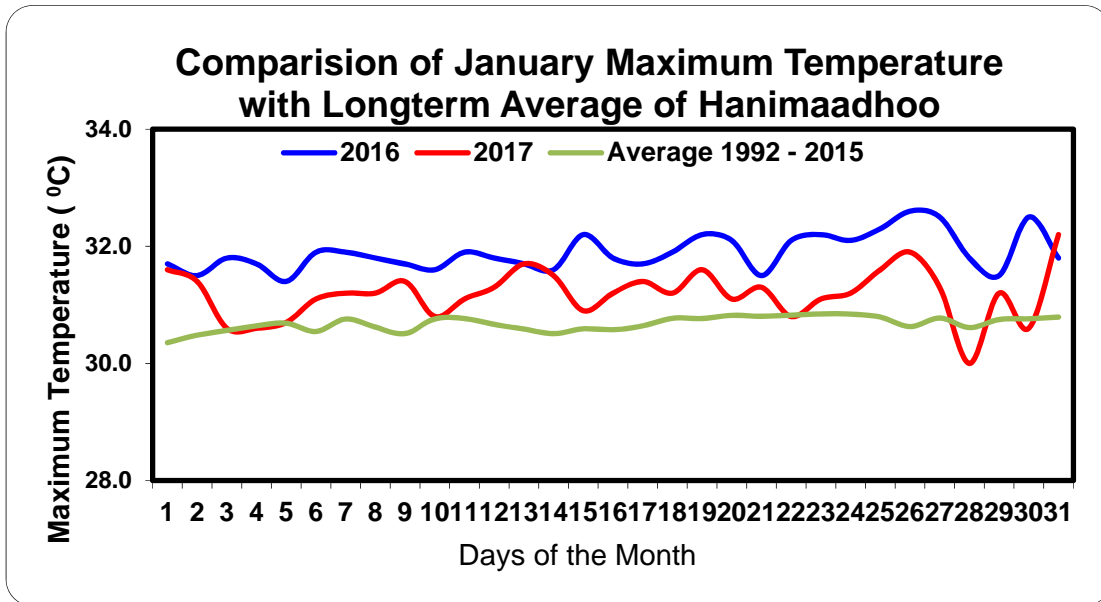
Date: 13<sup>th</sup> February 2017

### North

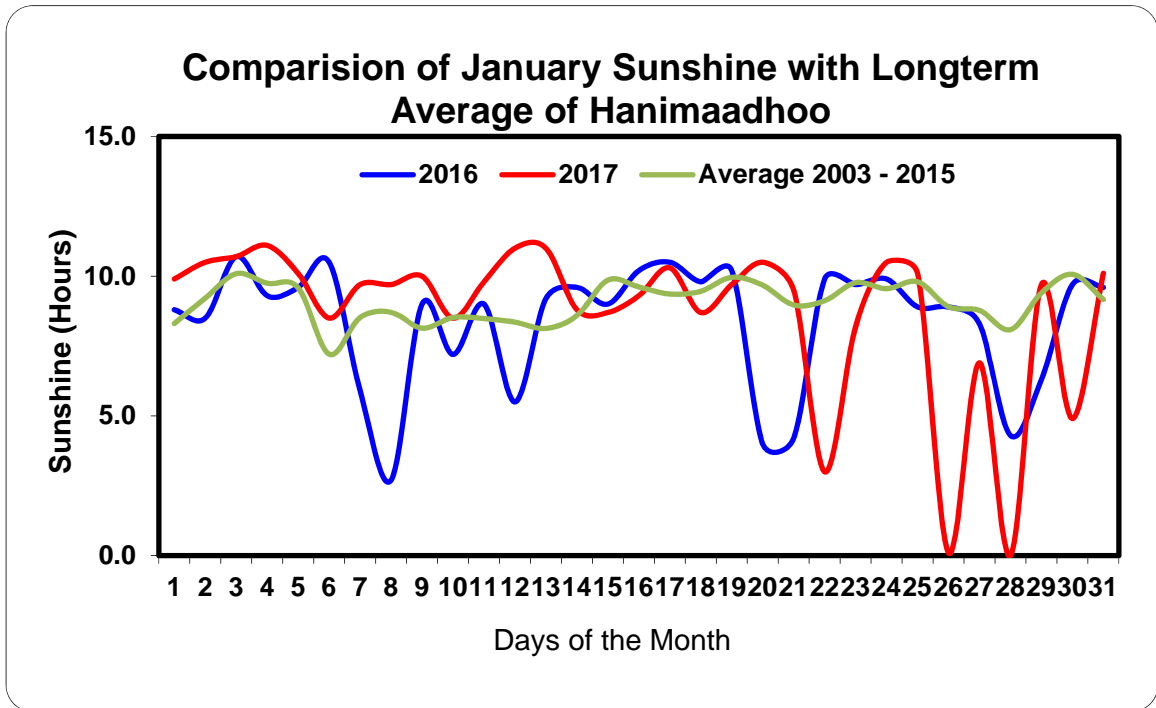
Last January, northern part of the country received a total rainfall of 103 mm. The highest rainfall within 24 hours was recorded on the 22<sup>nd</sup> and amounts to 72 mm of rainfall. There is no rainfall received in January 2016. Figure below shows daily total rainfall (2016 and 2017) and daily average rainfall for the Month of January for northern part of Maldives.



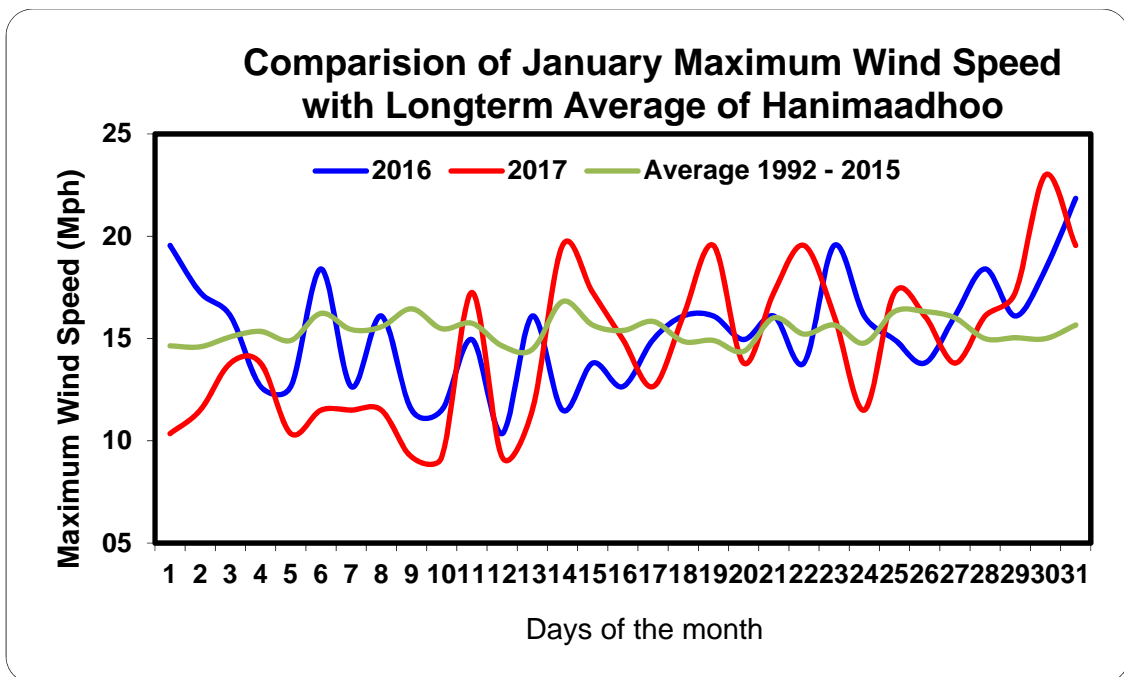
The highest temperature recorded in northern part of the Maldives last January was 32 degree Celsius, which was recorded on 31<sup>st</sup>. The minimum temperature recorded in the same area for the last month was 20 degree Celsius and was recorded on 12<sup>th</sup> of January. However, the highest temperature recorded in January 2016 in northern part of the country was 33 degree Celsius, which was recorded on the 26<sup>th</sup>. Furthermore, the minimum temperature recorded in northern part in January 2016 was 24 degree Celsius, recorded on the 03<sup>rd</sup>. Figure below shows daily maximum and minimum temperature (2016 and 2017) and average maximum and minimum temperature for the Month of January for northern part of Maldives.



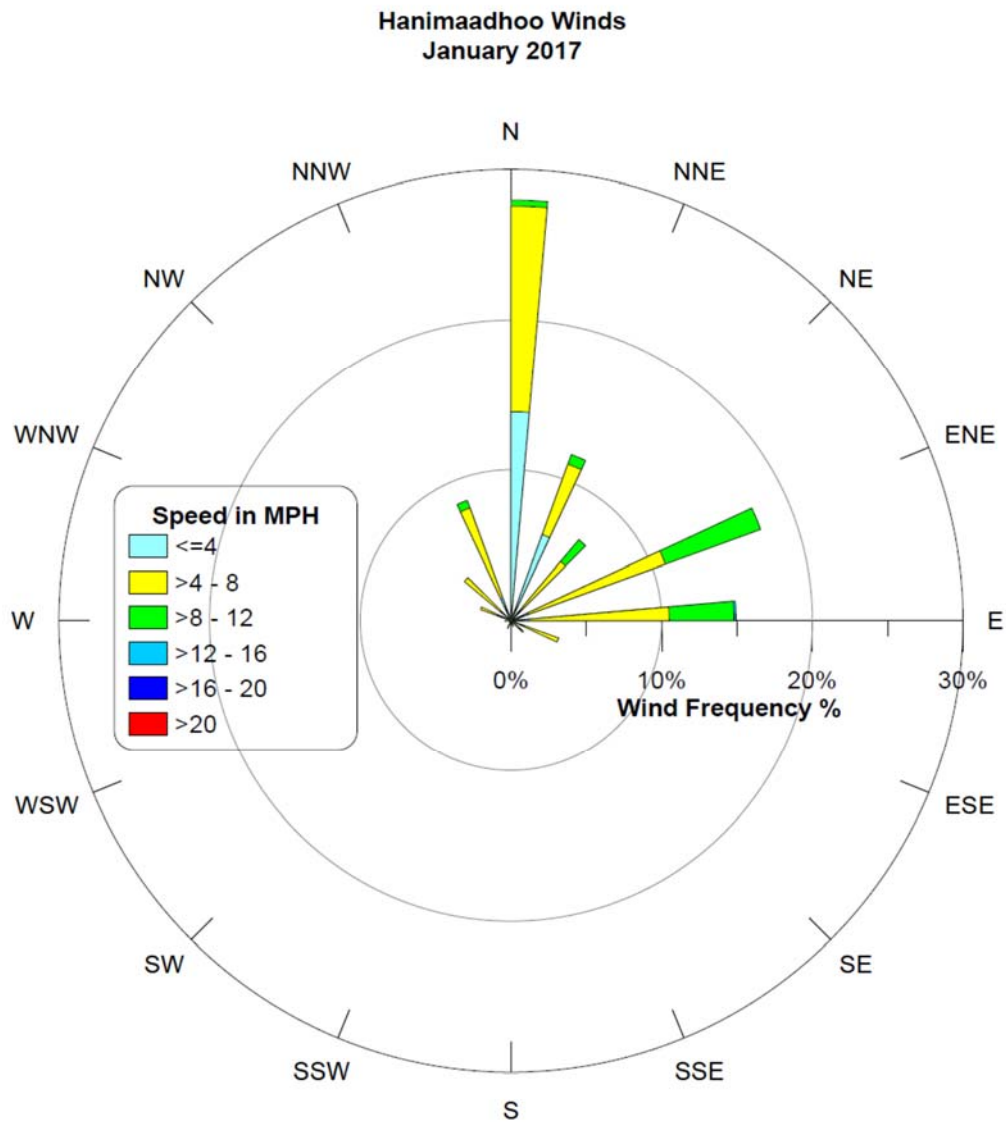
Northern part of the country received sunshine for 30 days last January, which amounts to 269 hours 30 minutes. Furthermore, in January 2016 northern part of the country received sunshine for 31 days, which amounts to 258 hours 54 minutes. Figure below shows daily sunshine (2016 and 2017) and daily average sunshine for the Month of January for northern part of Maldives.



Last January, the maximum wind speed in the northern part was experienced on the 30<sup>th</sup> at 13:40 hours from *east* at a speed of 23 mph. Furthermore, the maximum wind speed in the northern part in January 2016 was recorded on 31<sup>st</sup> at 20:46 hours from *east* at a speed of 22 mph. Figure below shows daily maximum wind speed (2016 and 2017) and daily average maximum wind speed for the Month of January for northern part of Maldives.



Below is wind frequency chart (Wind rose) of Hanimaadhoo for January 2017.



This is the wind rose for Hanimaadhoo based on hourly wind data of the month January 2017. This rose shows that the winds at Hanimaadhoo during the period blow from the *north* much of the time. In fact, the spokes in the directions *north-north-east* and *east-north-east* and *east* comprise about 20% of all hourly wind directions. This also shows that the wind rarely blows from *north-north-west* and *north-east*.

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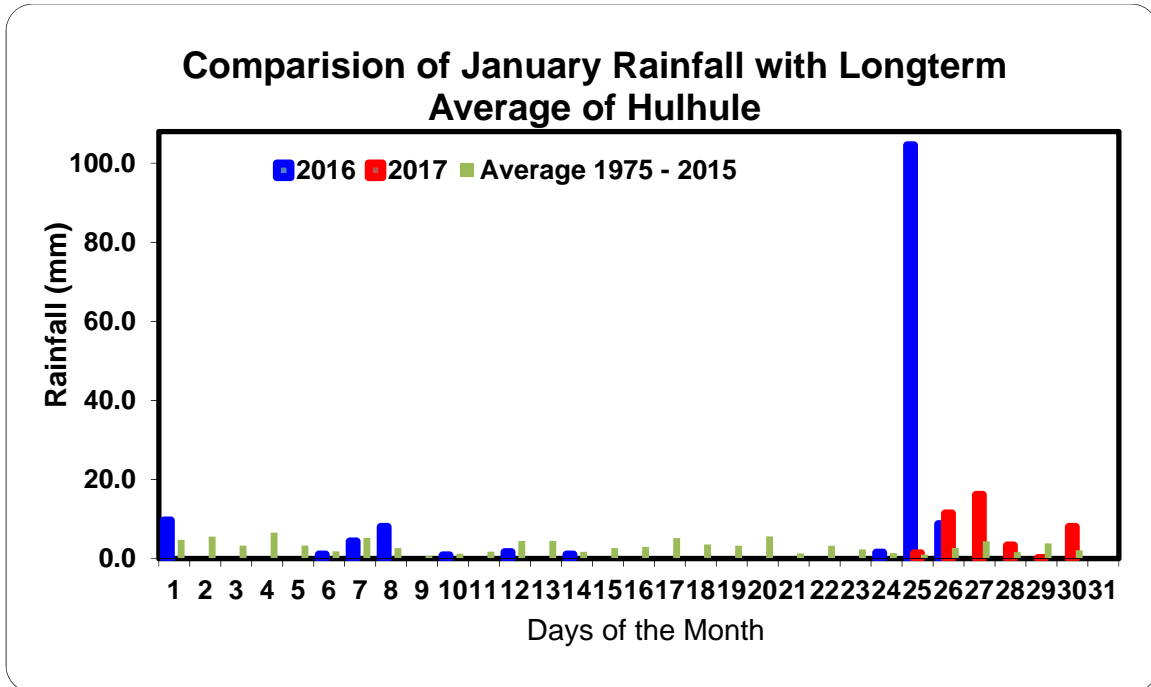
Lowest minimum temperature recorded was 18.2 °C on 23 <sup>rd</sup> December 2002
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Highest wind recorded was 87.4 Miles from NNW on 03 <sup>rd</sup> January 1991
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Highest rainfall within 24hrs recorded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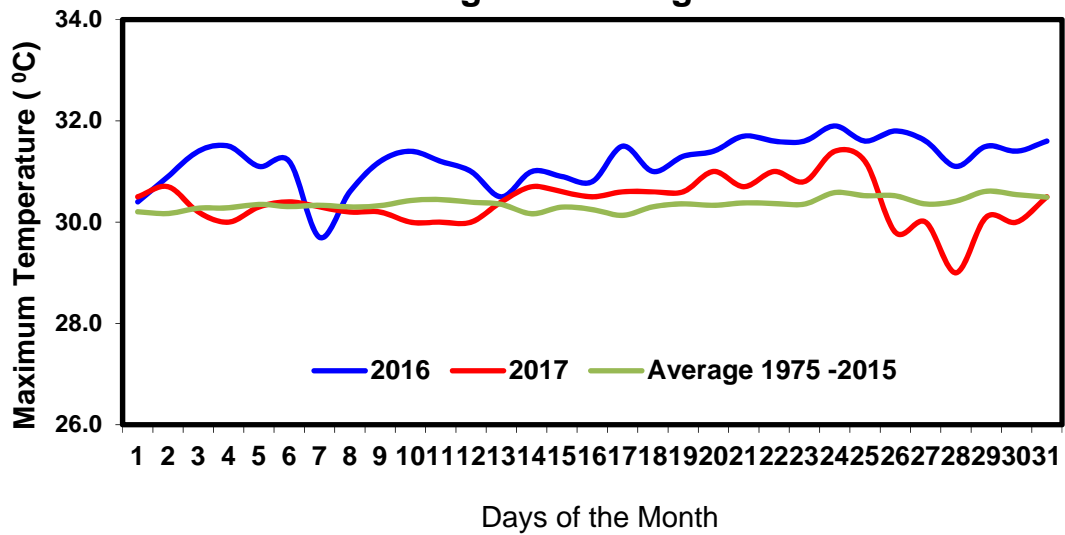
### Central part

Last January, central part of the country received a total rainfall of 40 mm. The highest rainfall within 24 hours was recorded on the 27<sup>th</sup> and amounts to 16 mm of rainfall. The rainfall received in January 2016 was 137 mm more than that of last January. Figure below shows daily total rainfall (2016 and 2017) and daily average rainfall for the Month of January for central part of Maldives.

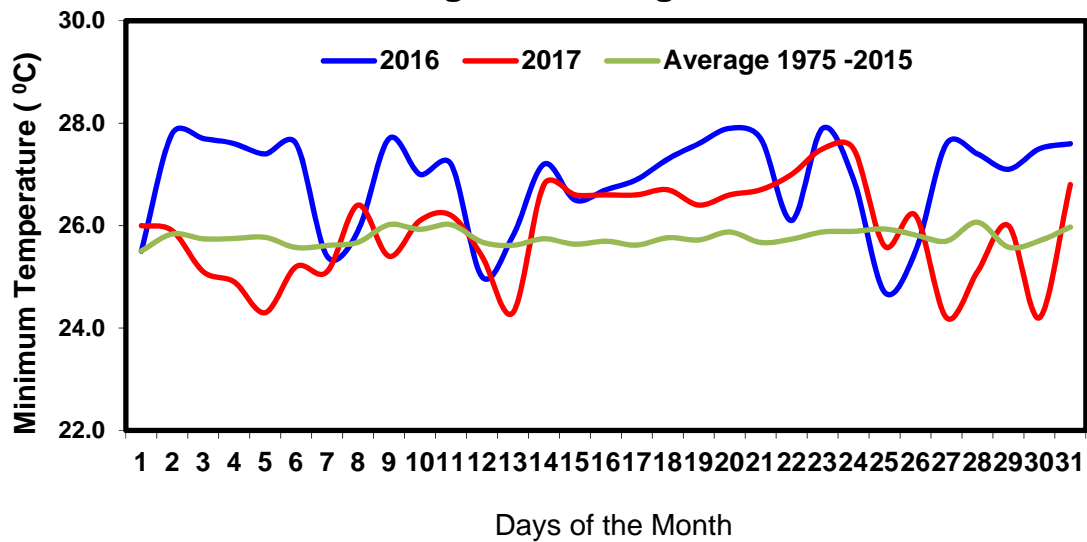


The highest temperature recorded in central part of the Maldives last January was 31 degree Celsius, which was recorded on the 24<sup>th</sup>. The minimum temperature recorded in the same area for the last month was 24 degree Celsius and was recorded on the 27<sup>th</sup> and 30<sup>th</sup> of January. On the other hand, the highest temperature recorded in January 2016 in central part of the country was 32 degree Celsius, which was recorded on the 24<sup>th</sup>. Furthermore, the minimum temperature recorded in the central part in January 2016 was 25 degree Celsius, recorded on the 25<sup>th</sup>. Figure below shows daily maximum and minimum temperature (2016 and 2017) and average maximum and minimum temperature for the Month of January for central part of Maldives.

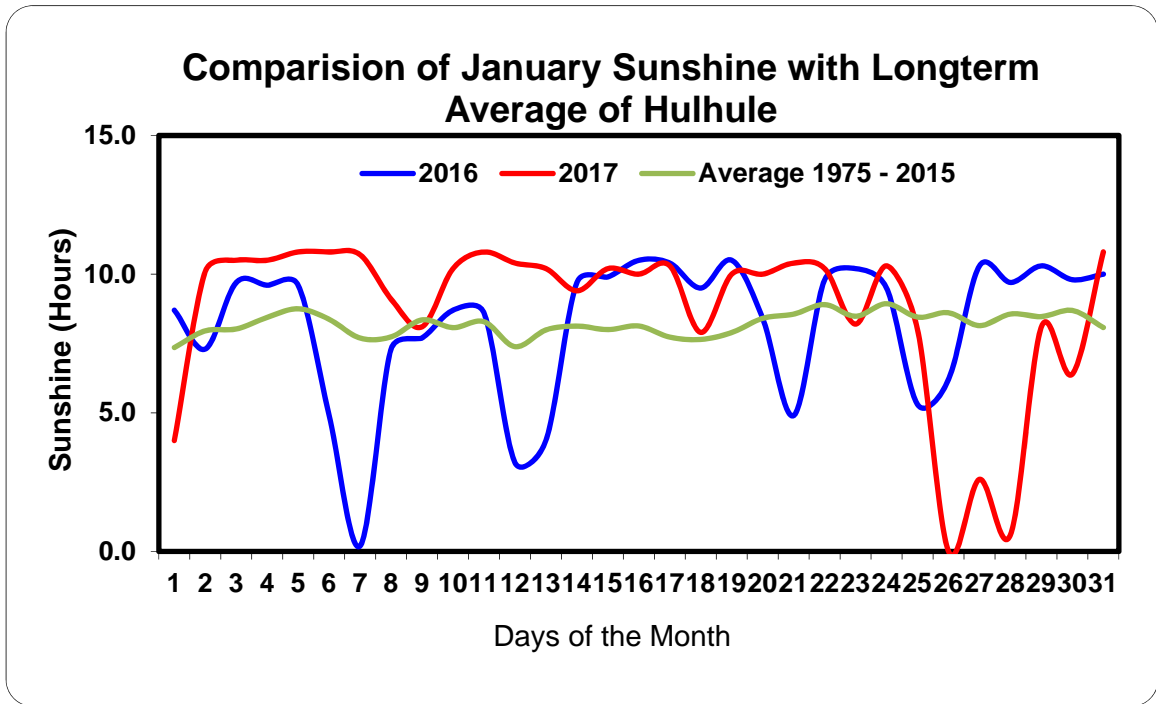
### Comparison of January Maximum Temperature with Longterm Average of Hulhule



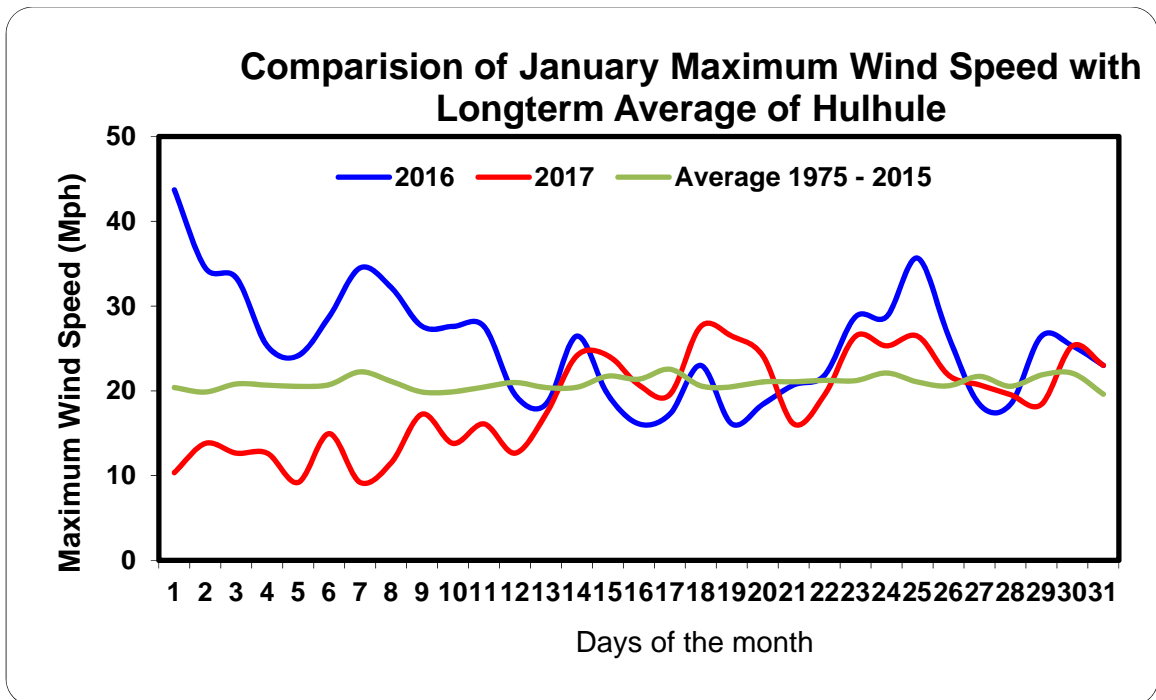
### Comparison of January Minimum Temperature with Longterm Average of Hulhule



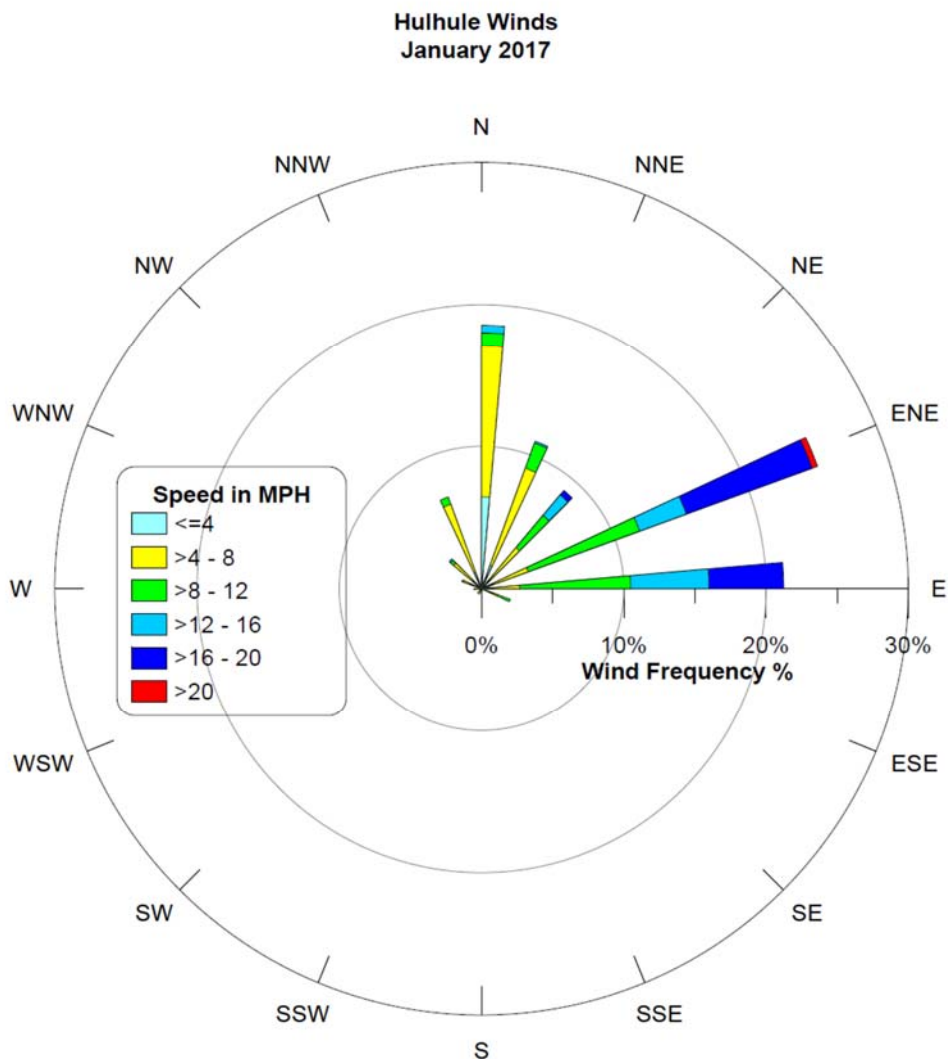
Central part of the country received sunshine for 30 days last January, which amounts to 269 hours 36 minutes. Furthermore, in January 2016 central part of the country received sunshine for 31 days, which amounts to 254 hours 24 minutes. Figure below shows daily sunshine (2016 and 2017) and daily average sunshine for the Month of January for central part of Maldives.



Last January, the maximum wind speed in Central part of the country was experienced on the 18<sup>th</sup> at 15:23 hours from *east-north-east* at a speed of 28 mph. However, the maximum wind speed in central part in January 2016 was recorded on the 01<sup>st</sup> at 12:35 hours at a speed of 44 mph from *east-north-east*. Figure below shows daily maximum wind speed (2016 and 2017) and daily average maximum wind speed for the Month of January for central part of Maldives.



Below is wind frequency chart (Wind rose) of Hulhule for January 2017.



This is the wind rose for Hulhule based on hourly wind data of the month January 2017. This rose shows that the winds at Hulhule during the period blow from the *east-north-east* and *east* much of the time. In fact, the spokes in the directions *north* and *north-north-east* comprise about 35% of all hourly wind directions. This also shows that the wind rarely blows from *north-north-west* and *north-east*.

Highest maximum temperature recorded was 34.1 °C on 16 <sup>th</sup> and 28 <sup>th</sup> April 1973
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Lowest minimum temperature recorded was 19.0 °C on 23 <sup>rd</sup> November 1984
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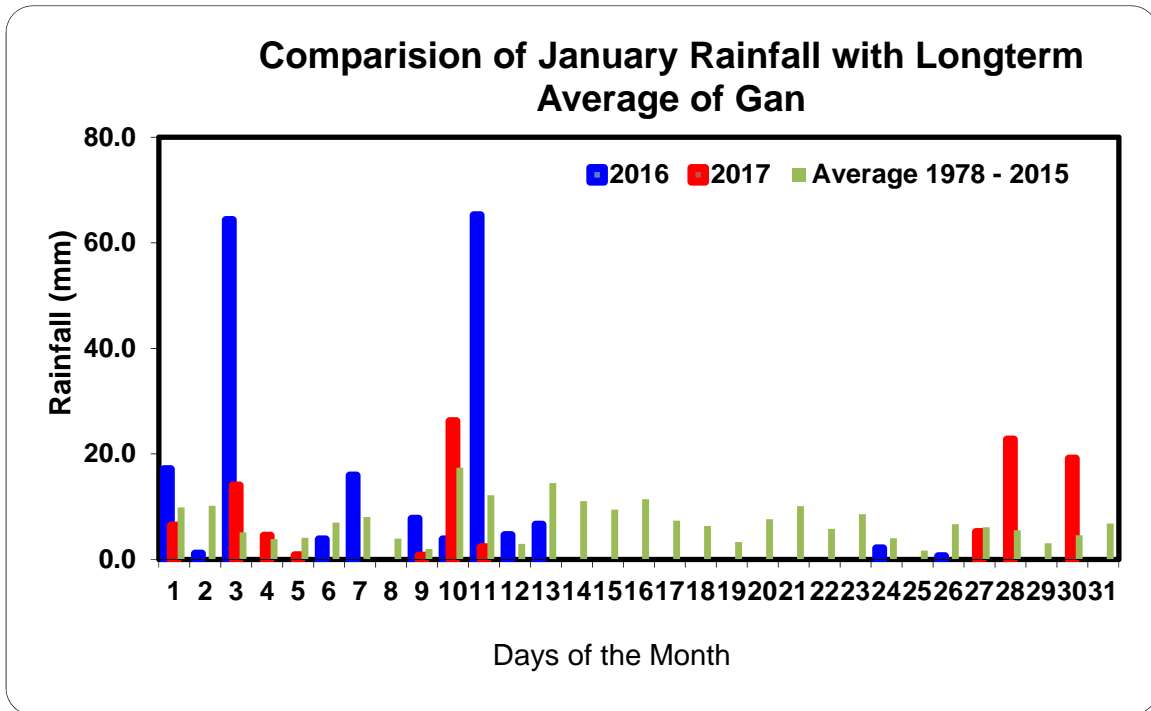
Highest wind recorded was 71.3 Miles from W on 03 <sup>rd</sup> November 1978
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Highest rainfall within 24hrs recorded was 200.0 mm on 11 <sup>th</sup> December 1998
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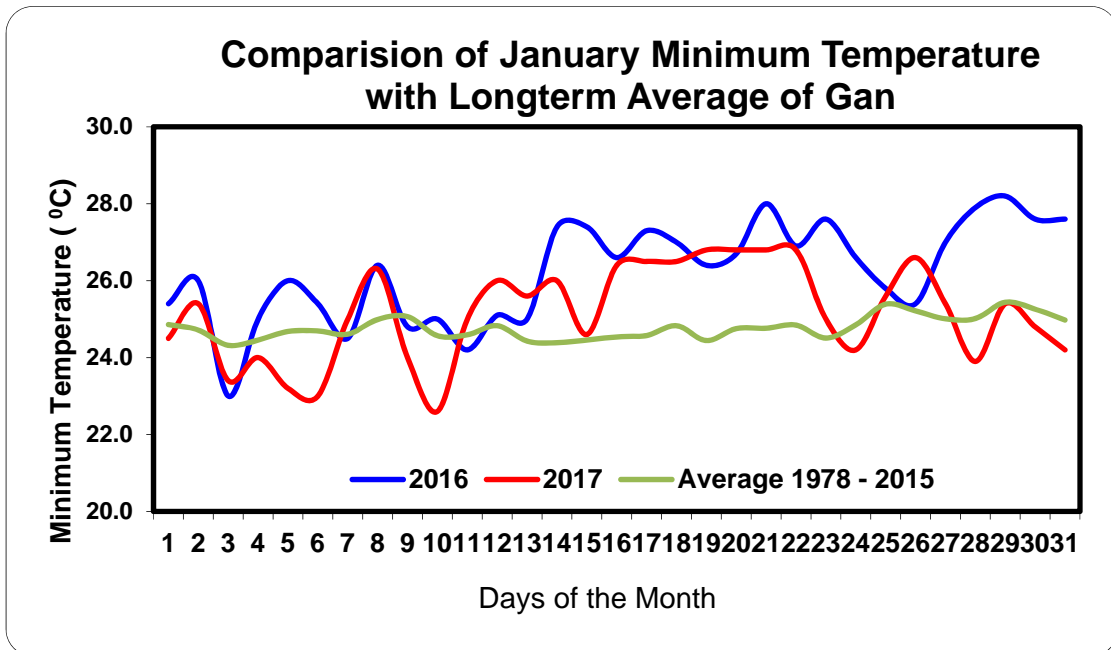
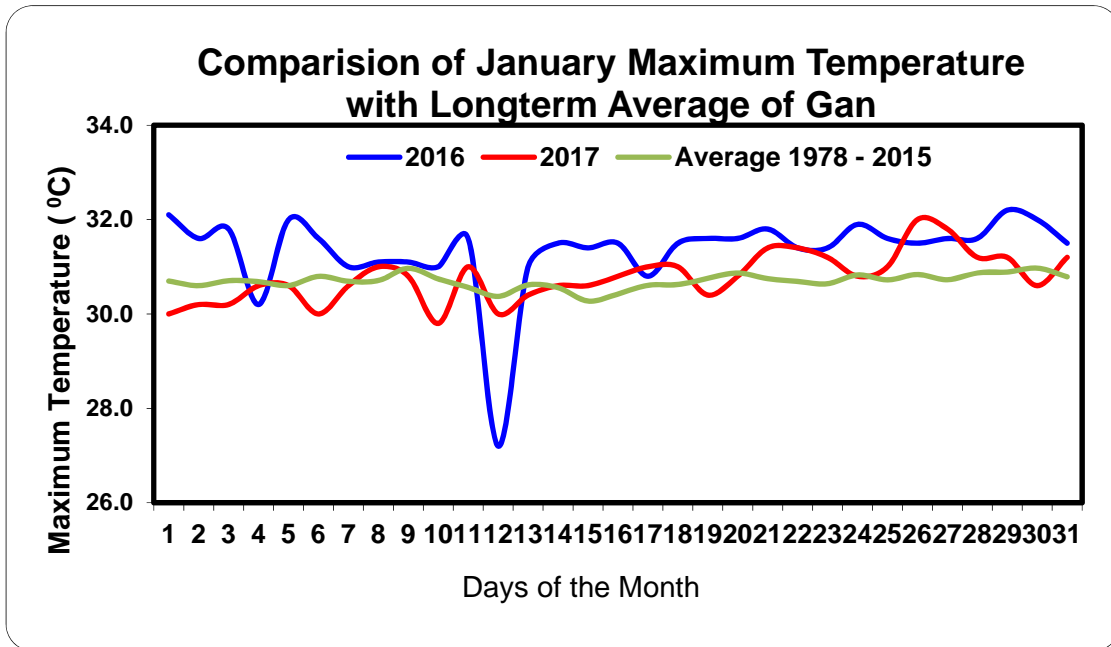


## South

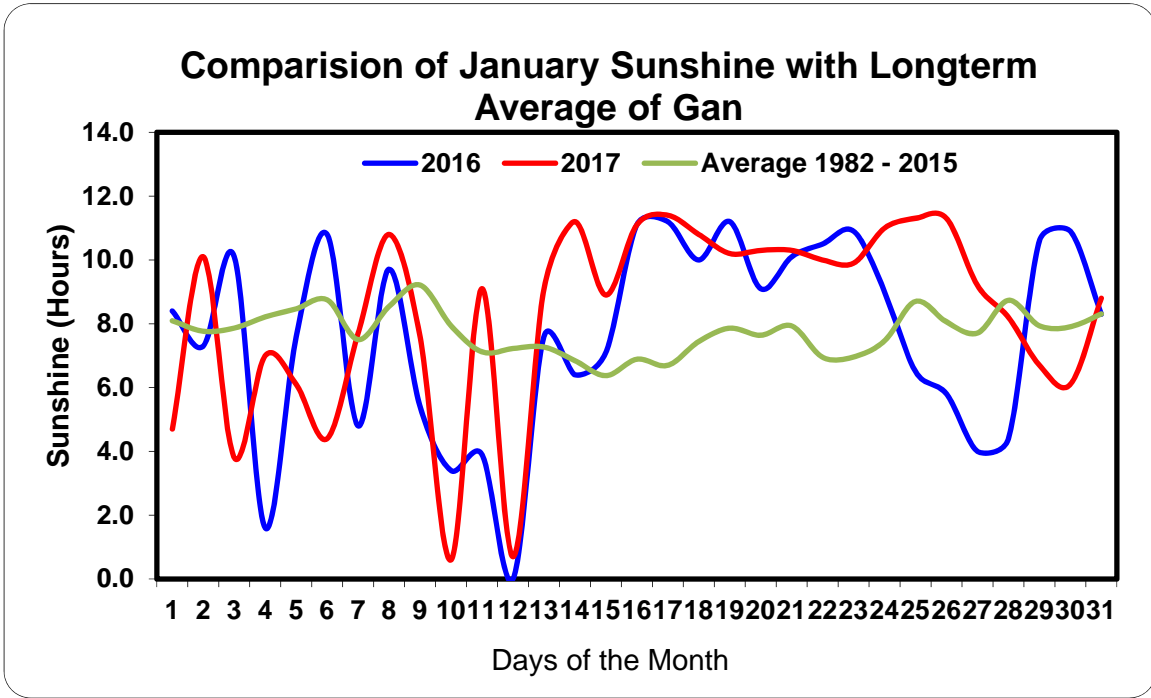
Last January, southern part of the country received a total rainfall of 102 mm. The highest rainfall within 24 hours was recorded on the 10<sup>th</sup> and amounts to 26 mm of rainfall. The rainfall received in January 2016 was 91 mm more than that of last January. Figure below shows daily total rainfall (2016 and 2017) and daily average rainfall for the Month of January for southern part of Maldives.



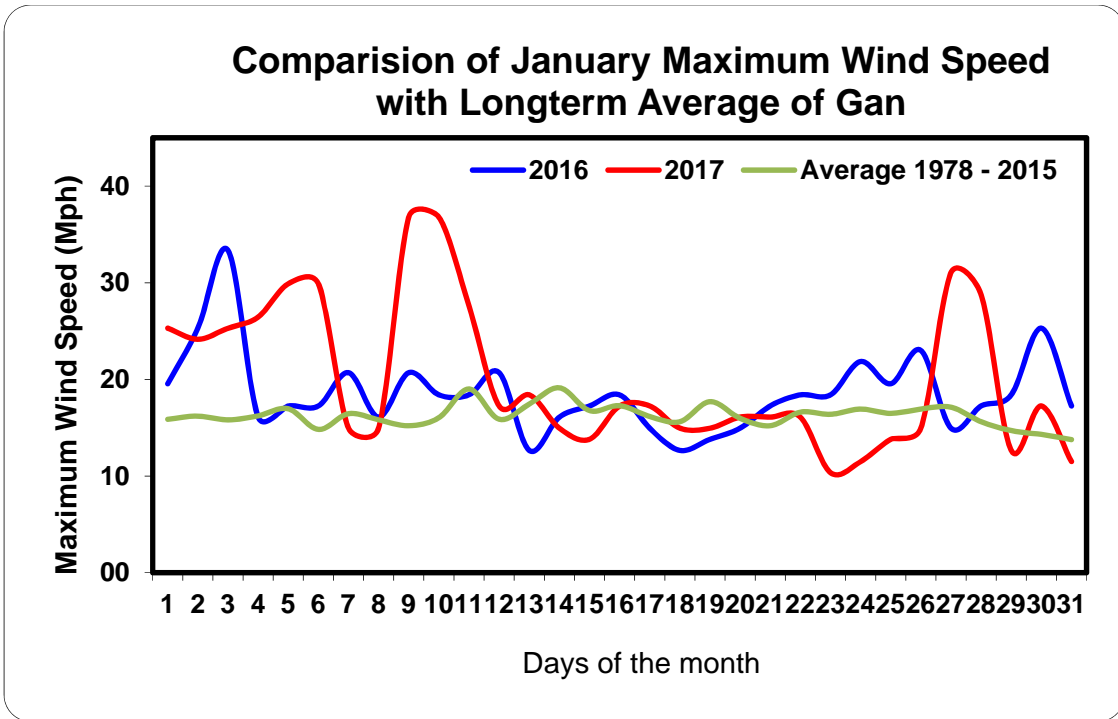
The highest temperature recorded in southern part of the Maldives last January was 32 degree Celsius, which was recorded on the 26<sup>th</sup>. The minimum temperature recorded in the same area for the last month was 23 degree Celsius and was recorded on the 10<sup>th</sup> of January. However, the highest temperature recorded in January 2016 in southern parts of the country was 32 degree Celsius, which was recorded on the 29<sup>th</sup>. Furthermore, the minimum temperature recorded in south in January 2016 was 23 degree Celsius, recorded on the 03<sup>rd</sup>. Figure below shows daily maximum and minimum temperature (2016 and 2017) and average maximum and minimum temperature for the Month of January for southern part of Maldives.



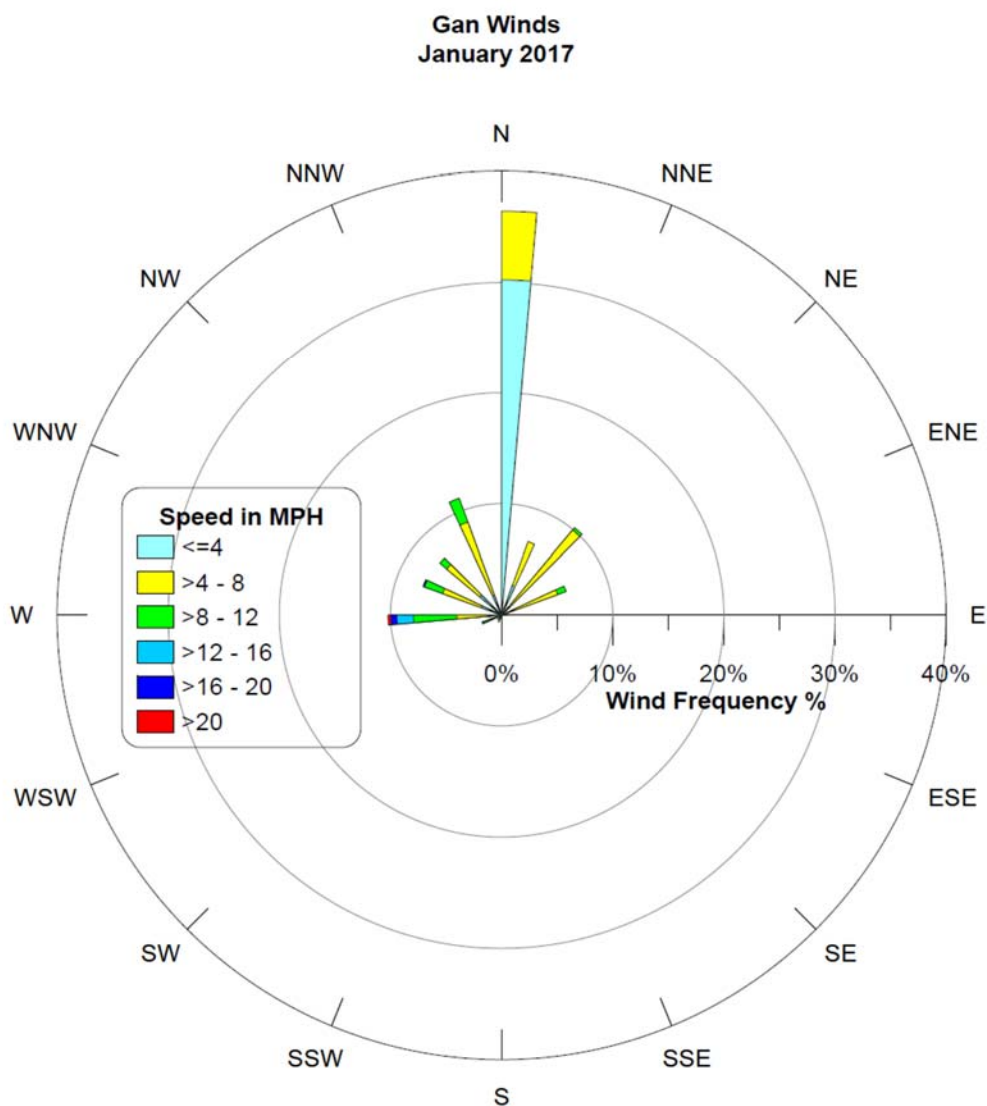
Southern part of the country received sunshine for 31 days last January, which amounts to 258 hours and 24 minutes. Furthermore, in January 2016 southern part of the country received sunshine for 30 days, which amounts to 237 hours 42 minutes. Figure below shows daily sunshine (2016 and 2017) and daily average sunshine for the Month of January for southern part of Maldives.



Last January, the maximum wind speed in south was experienced on the 09<sup>th</sup> at 19:21 hours from *west* at a speed of 37 mph. However, the maximum wind speed in southern atolls in January 2016 was recorded on the 04<sup>th</sup> at 02:04 hours at a speed of 33 mph from *south-south-west*. Figure below shows daily maximum wind speed (2016 and 2017) and daily average maximum wind speed for the Month of January for southern part of Maldives.



Below is wind frequency chart (Wind rose) of Gan for January 2017.



This is the wind rose for Gan based on hourly wind data of the month January 2017. This rose shows that the winds at Gan during the period blow from the north-east and east much of the time. In fact, the spokes in the directions north-north-east and east-north-east comprise about 35% of all hourly wind directions. This also shows that the wind rarely blows from other directions.

Highest maximum temperature recorded was 33.6 °C on 17 <sup>th</sup> April 1998
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Lowest minimum temperature recorded was 19.7 °C on 24 <sup>th</sup> March 1986
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Highest wind recorded was 103.5 Miles from SW on 29 <sup>th</sup> May 1991
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Highest rainfall within 24hrs recorded was 228.4 mm on 24 <sup>th</sup> November 2016
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