



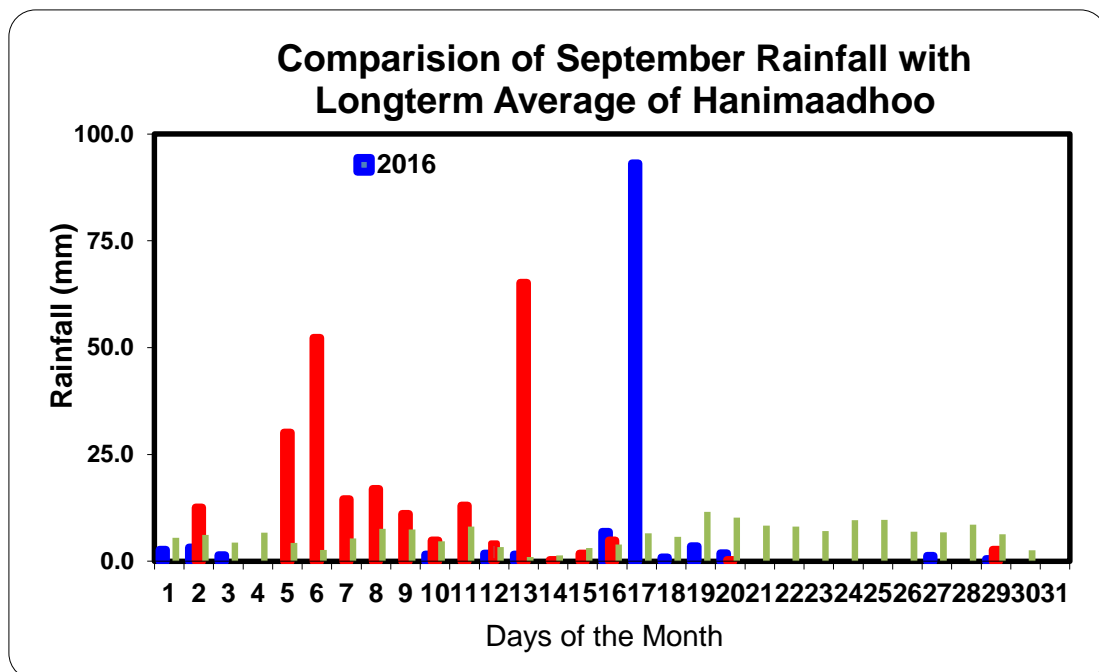
Climate Section  
Maldives Meteorological Service  
Hulhule

## Climate Conditions in September 2017

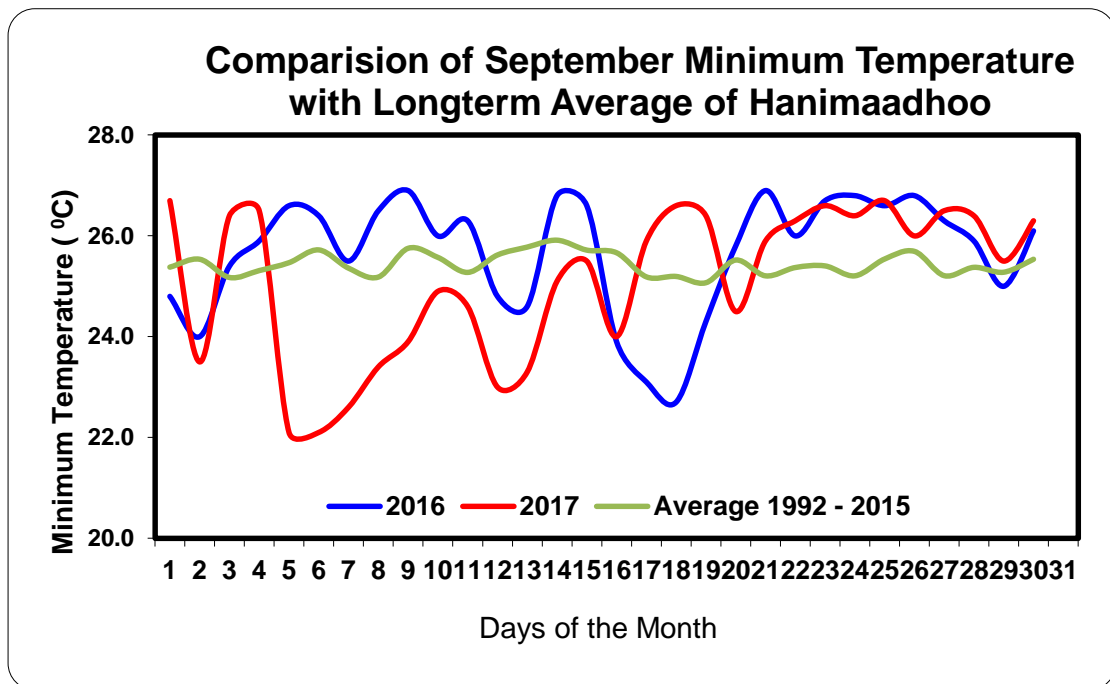
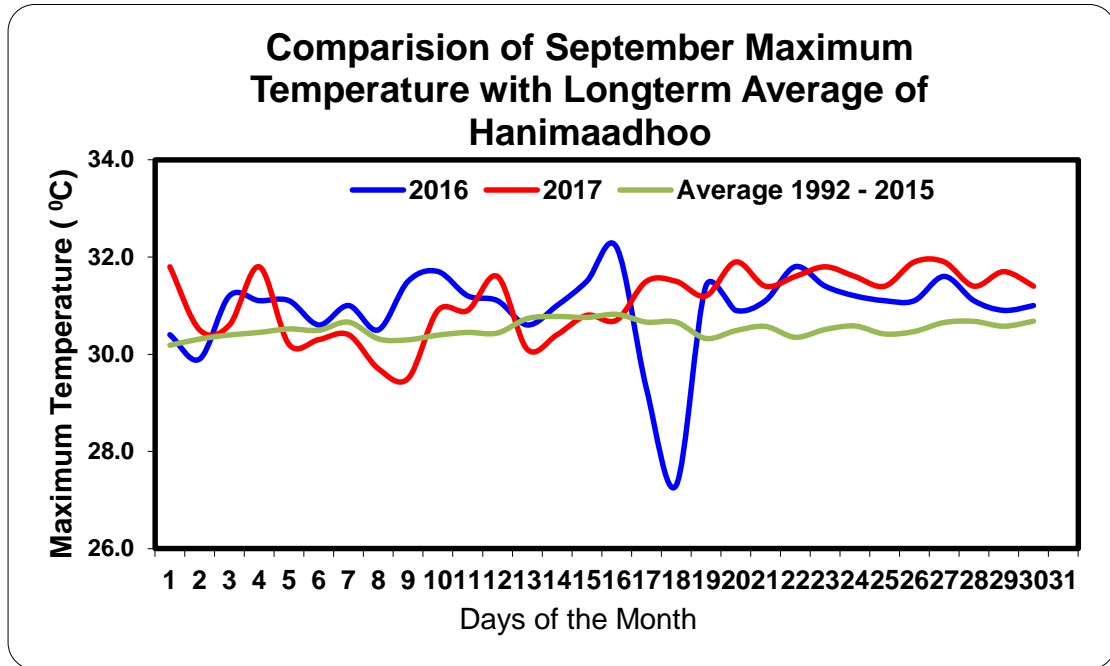
Date: 10<sup>th</sup> October 2017

### North

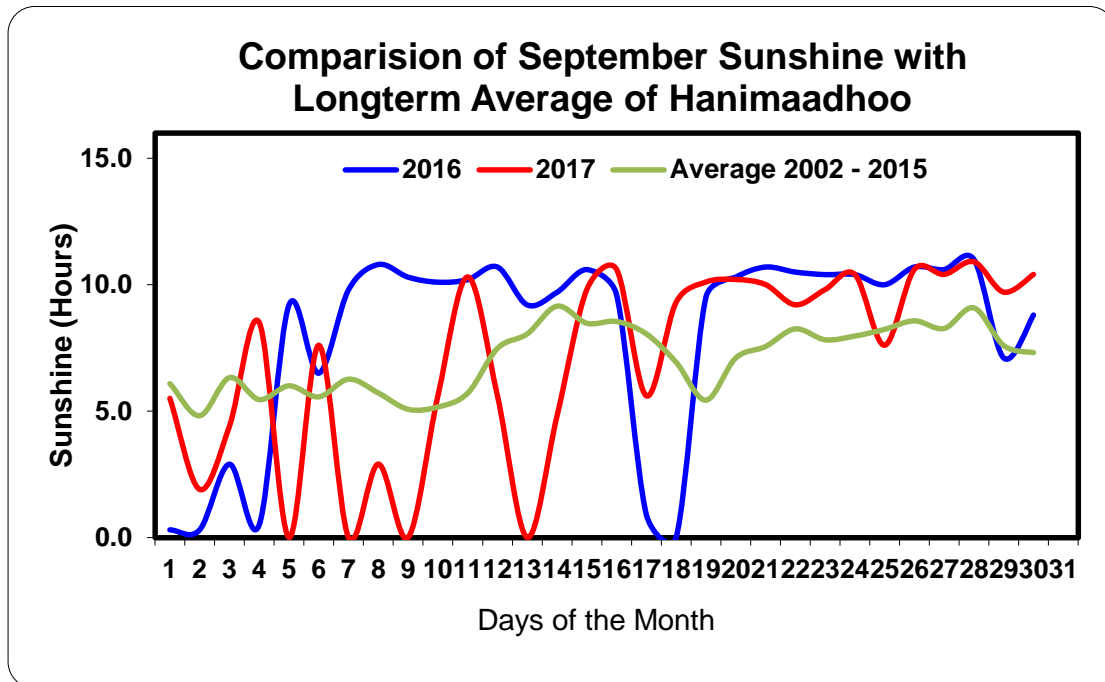
Last September, northern part of the country received a total rainfall of 235 mm. The highest rainfall within 24 hours was recorded on the 13<sup>th</sup> and amounts to 65 mm of rainfall. The rainfall received in September 2016 was 115 mm less than that of last September. Figure below shows daily total rainfall (2016 and 2017) and daily average rainfall for the Month of September for northern part of Maldives.



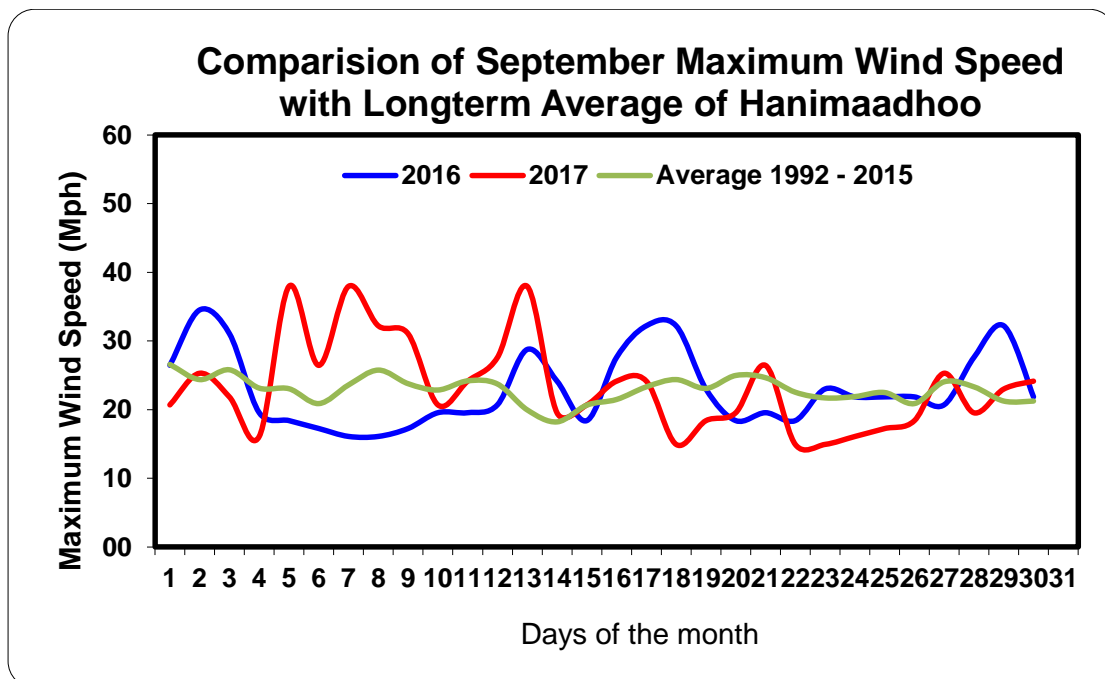
The highest temperature recorded in northern part of the Maldives last September was 32 degree Celsius, which was recorded on 20<sup>th</sup>, 26<sup>th</sup> and 27<sup>th</sup>. The minimum temperature recorded in the same area for the last month was 22 degree Celsius and was recorded on 05<sup>th</sup> and 06<sup>th</sup> of September. However, the highest temperature recorded in September 2016 in northern part of the country was 32 degree Celsius, which was recorded on the 16<sup>th</sup>. Furthermore, the minimum temperature recorded in northern part in September 2016 was 23 degree Celsius, recorded on the 18<sup>th</sup>. Figure below shows daily maximum and minimum temperature (2016 and 2017) and average maximum and minimum temperature for the Month of September for northern part of Maldives.



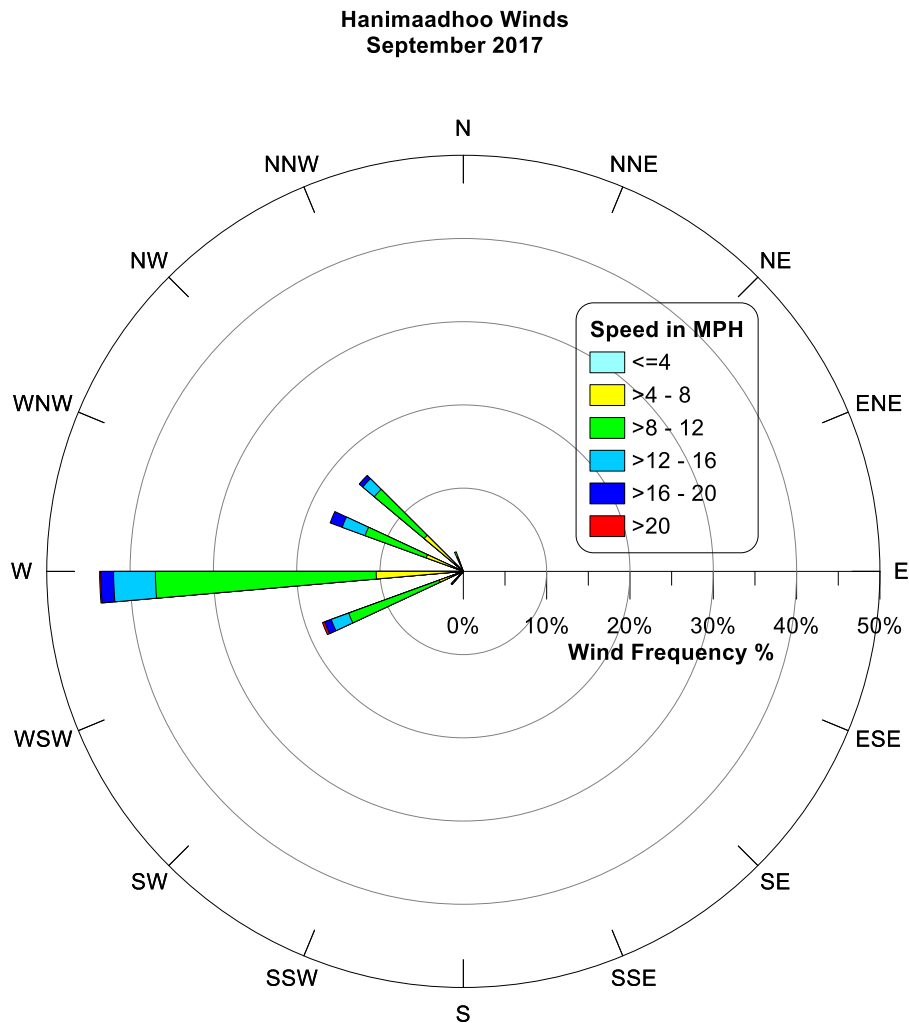
Northern part of the country received sunshine for 26 days last September, which amounts to 211 hours 42 minutes. Furthermore, in September 2016 northern part of the country received sunshine for 29 days, which amounts to 241 hours 36 minutes. Figure below shows daily sunshine (2016 and 2017) and daily average sunshine for the Month of September for northern part of Maldives.



Last September, the maximum wind speed in the northern part was experienced on the 05<sup>th</sup> at 11:10 hours and 13<sup>th</sup> at 07:37 from *west-south-west* and 07<sup>th</sup> 07:30 hours from *south-west* at a speed of 38 mph. Furthermore, the maximum wind speed in the northern part in September 2016 was recorded on 03<sup>rd</sup> at 03:45 hours from *west* at a speed of 35 mph. Figure below shows daily maximum wind speed (2016 and 2017) and daily average maximum wind speed for the Month of September for northern part of Maldives.



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



This is the wind rose for Hanimaadhoo based on hourly wind data of the month September 2017. This rose shows that the winds at Hanimaadhoo during the period blow from the *west* much of the time. In fact, the spokes in the directions *west-south-west*, *west-north-west* and *north-west* comprise about 52% of all hourly wind directions. This also shows that the wind rarely blows from other directions.

Highest maximum temperature recorded was 35.0 °C on 30 <sup>th</sup> April 2016
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Lowest minimum temperature recorded was 18.2 °C on 23 <sup>rd</sup> December 2002
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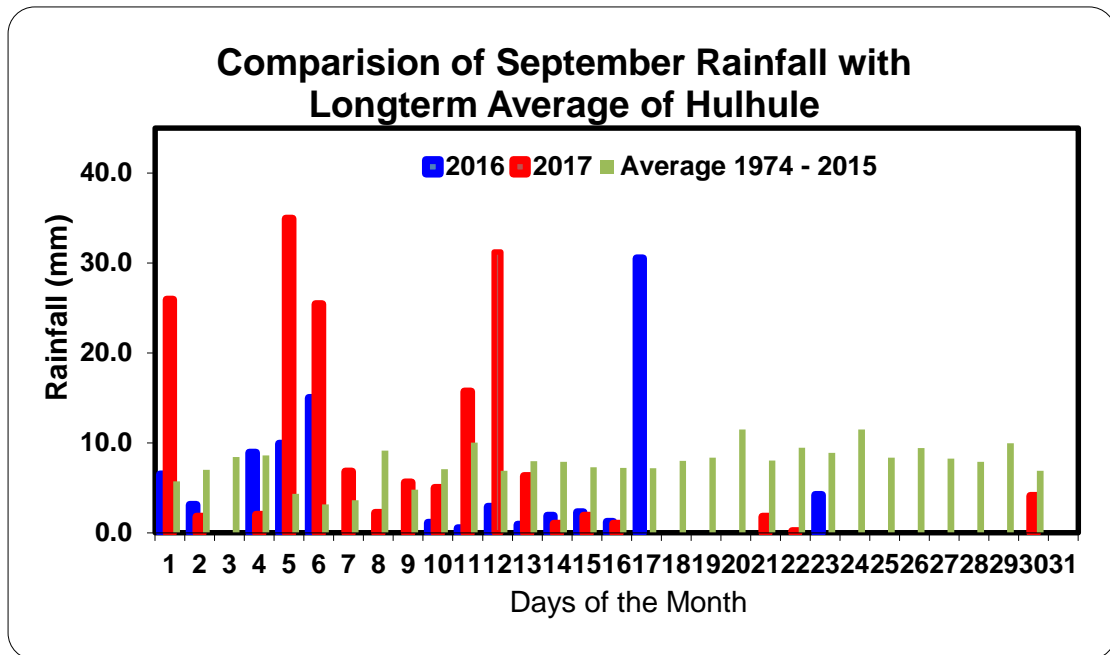
Highest wind recorded was 87.4 Miles from NNW on 03 <sup>rd</sup> February 1991
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Highest rainfall within 24hrs recorded was 189.0 mm on 31 <sup>st</sup> May 2017
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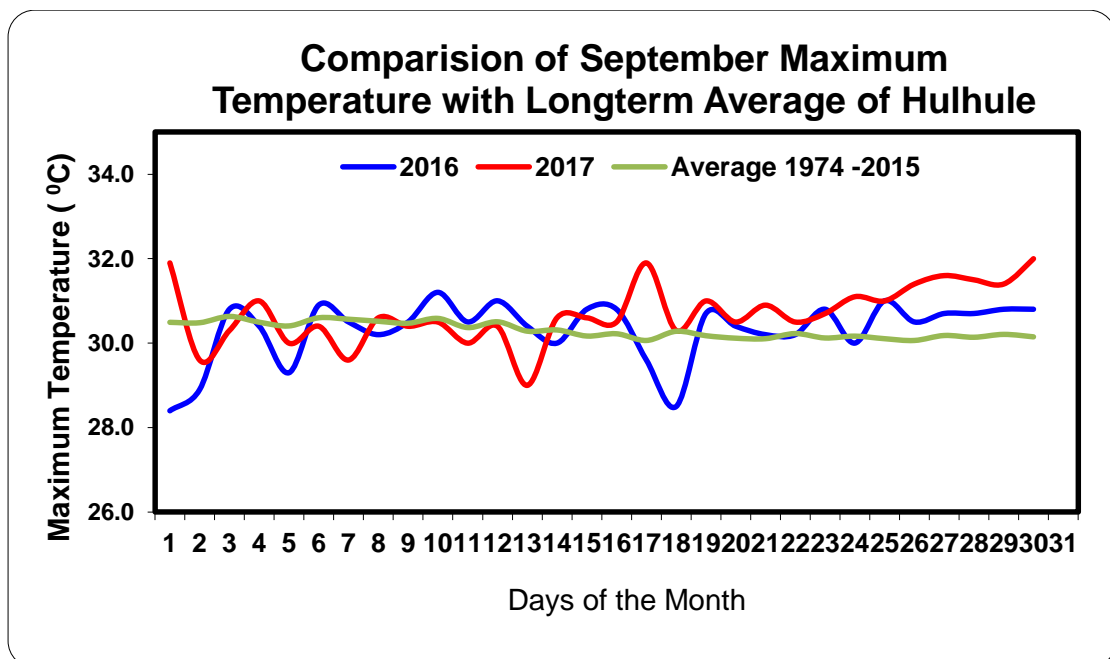
### **Central part**

Last September, central part of the country received a total rainfall of 173 mm. The highest rainfall within 24 hours was recorded on the 05<sup>th</sup> and amounts to 35 mm of rainfall. The rainfall received in September 2016 was 84 mm less than that of last

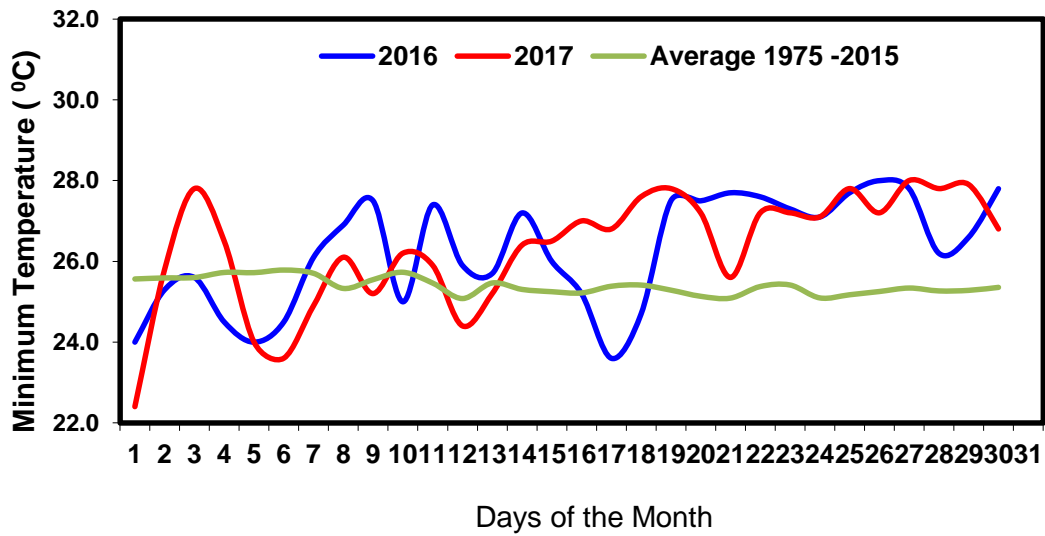
September. Figure below shows daily total rainfall (2016 and 2017) and daily average rainfall for the Month of September for central part of Maldives.



The highest temperature recorded in central part of the Maldives last September was 32 degree Celsius, which was recorded on the 30<sup>th</sup>. The minimum temperature recorded in the same area for the last month was 22 degree Celsius and was recorded on the 01<sup>st</sup> of September. On the other hand, the highest temperature recorded in September 2016 in central part of the country was 31 degree Celsius, which was recorded on the 10<sup>th</sup>. Furthermore, the minimum temperature recorded in the central part in September 2016 was 24 degree Celsius, recorded on the 17<sup>th</sup>. Figure below shows daily maximum and minimum temperature (2016 and 2017) and average maximum and minimum temperature for the Month of September for central part of Maldives.

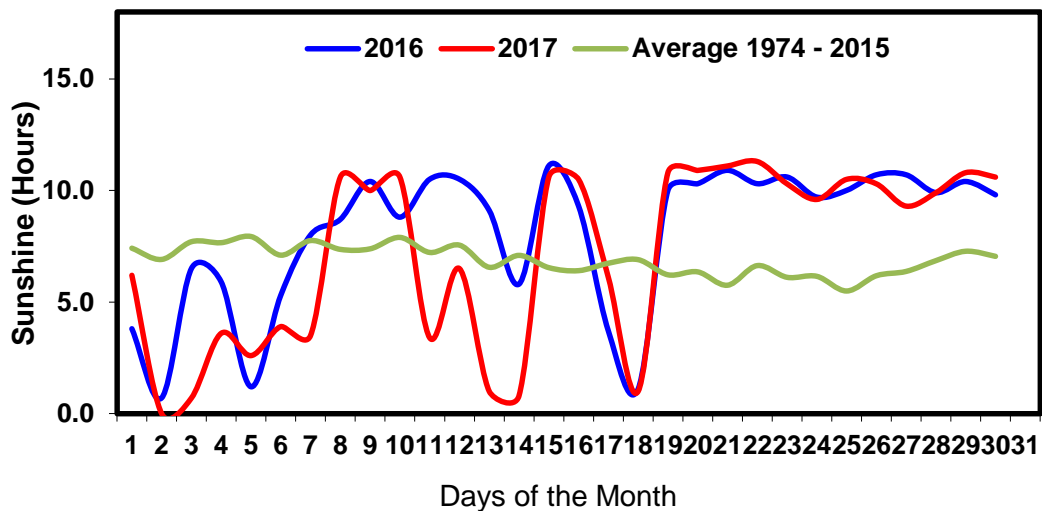


### Comparison of September Minimum Temperature with Longterm Average of Hulhule

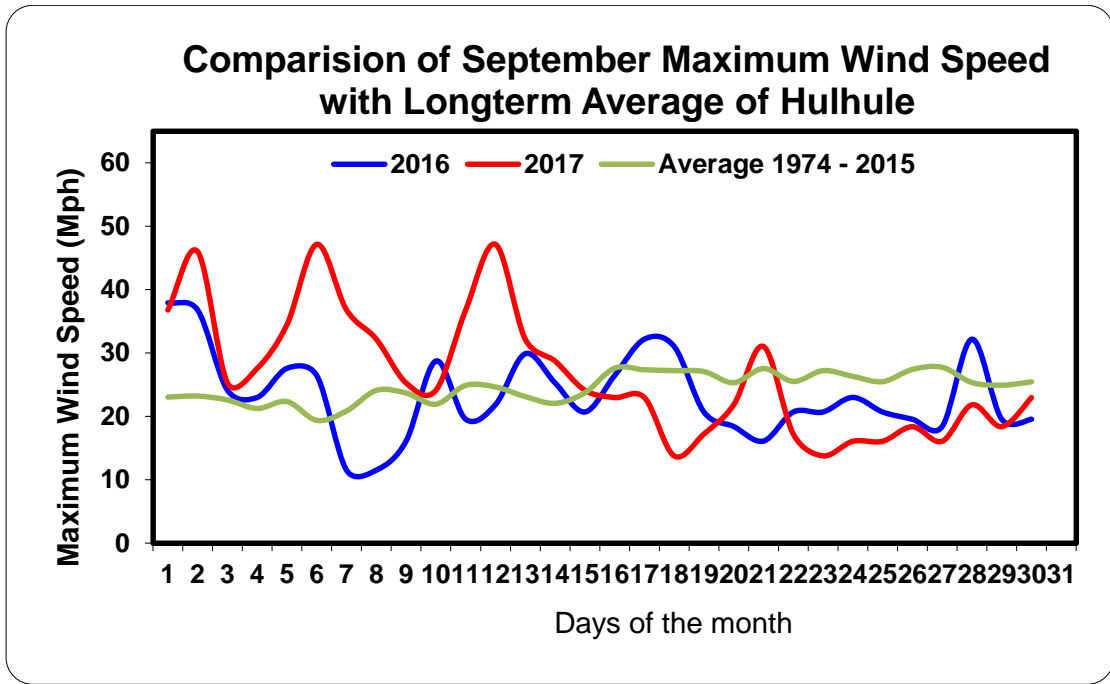


Central part of the country received sunshine for 29 days last September, which amounts to 217 hours. Furthermore, in September 2016 central part of the country received sunshine for 30 days, which amounts to 243 hours 42 minutes. Figure below shows daily sunshine (2016 and 2017) and daily average sunshine for the Month of September for central part of Maldives.

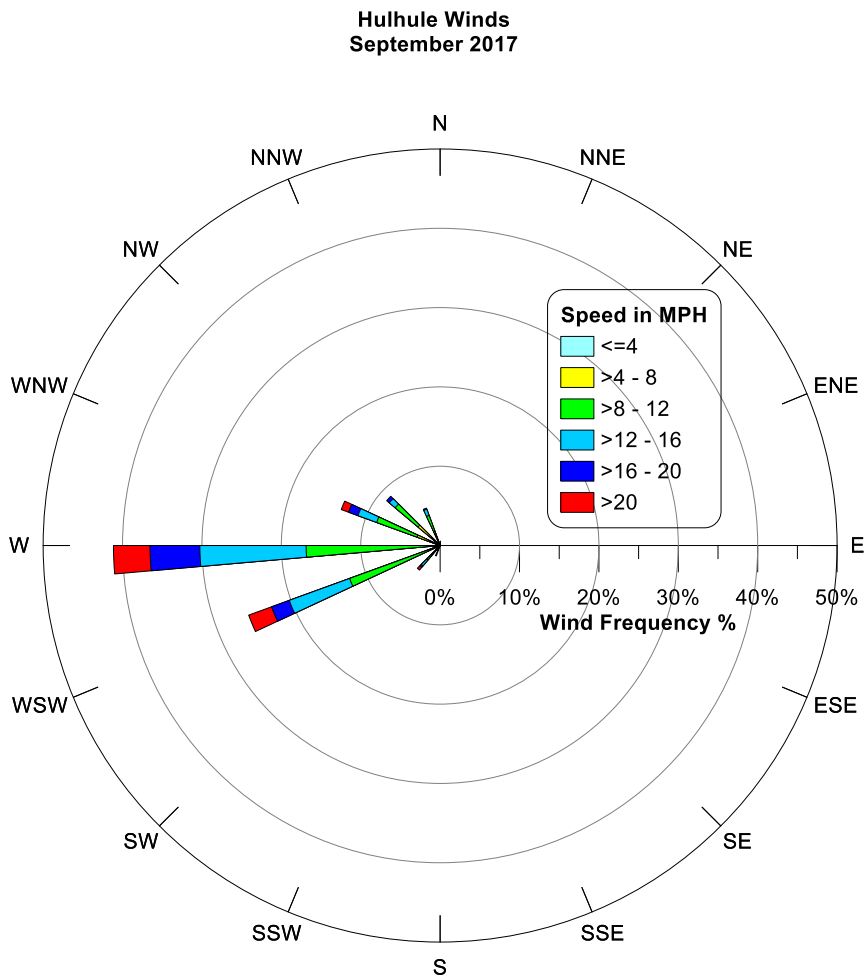
### Comparison of September Sunshine with Longterm Average of Hulhule



Last September, the maximum wind speed in Central part of the country was experienced on the 06<sup>th</sup> at 21:32 hours from *west* and 13<sup>th</sup> at 01:40 hours from *west-south-west* at a speed of 47 mph. However, the maximum wind speed in central part in September 2016 was recorded on the 01<sup>st</sup> at 14:23 hours at a speed of 38 mph from *west*. Figure below shows daily maximum wind speed (2016 and 2017) and daily average maximum wind speed for the Month of September for central part of Maldives.



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

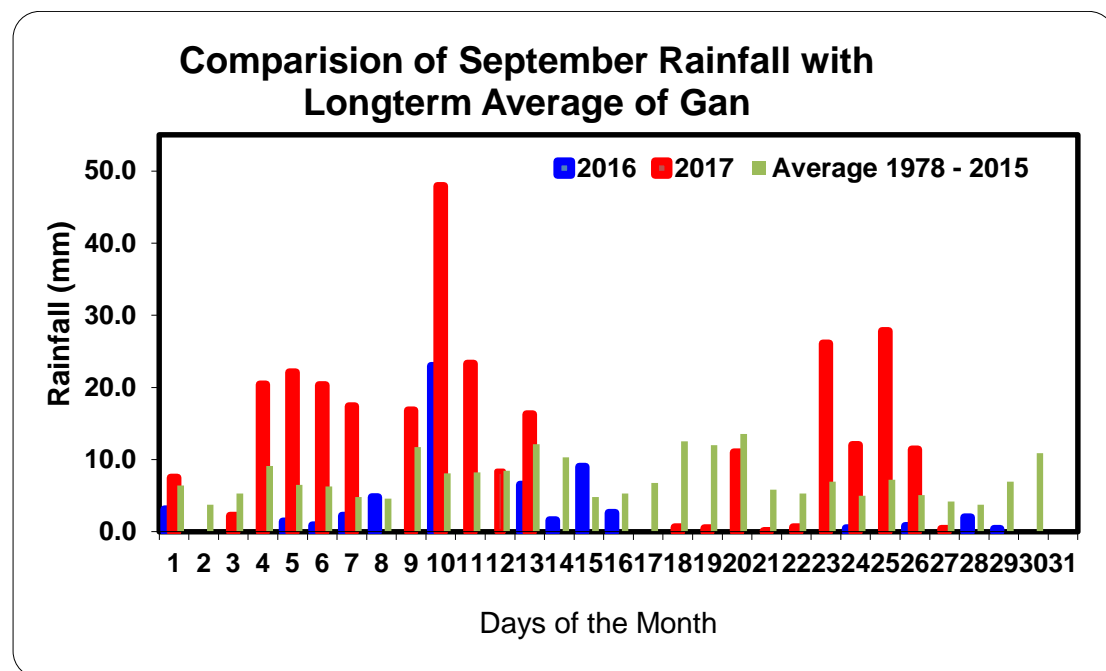


This is the wind rose for Hulhule based on hourly wind data of the month September 2017. This rose shows that the winds at Hulhule during the period blow from the *west* much of the time. In fact, the spokes in the directions *west-south-west* and *west-north-west* comprise about 40% of all hourly wind directions. This also shows that the wind rarely blows from other directions.

Highest maximum temperature recorded was 34.1 °C on 16 <sup>th</sup> and 28 <sup>th</sup> April 1973
Lowest minimum temperature recorded was 19.0 °C on 23 <sup>rd</sup> November 1984
Highest wind recorded was 71.3 Miles from W on 03 <sup>rd</sup> November 1978
Highest rainfall within 24hrs recorded was 175.9 mm on 23 <sup>rd</sup> December 1977 (Hulhule)
Highest rainfall within 24hrs recorded was 200.0 mm on 11 <sup>th</sup> December 1998 (Male')

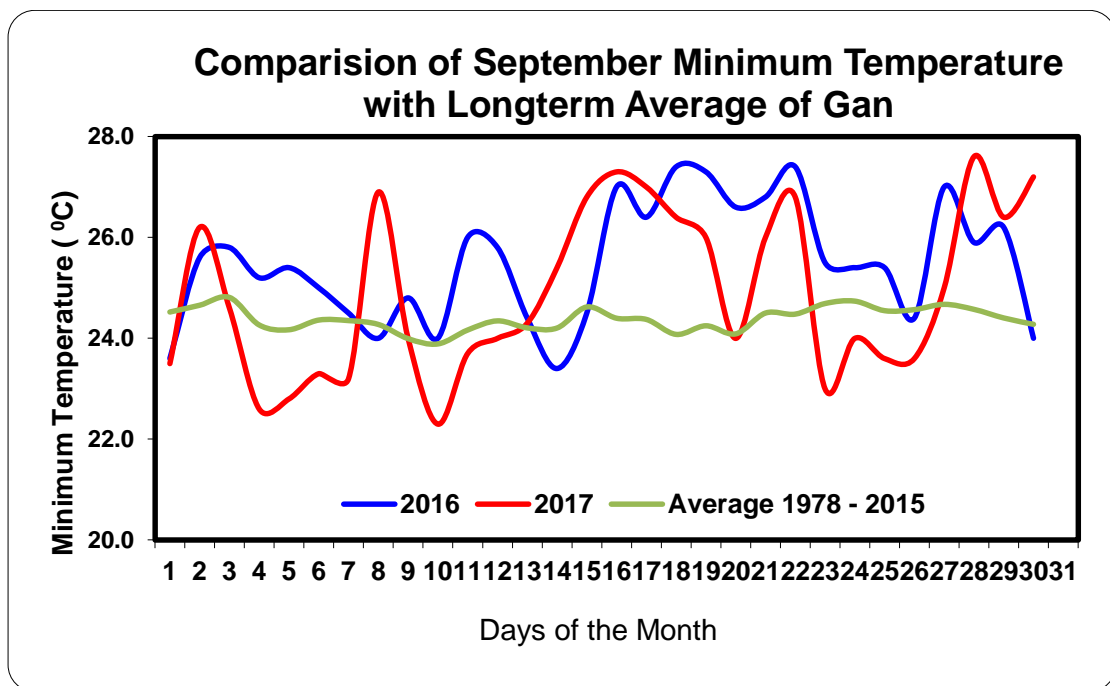
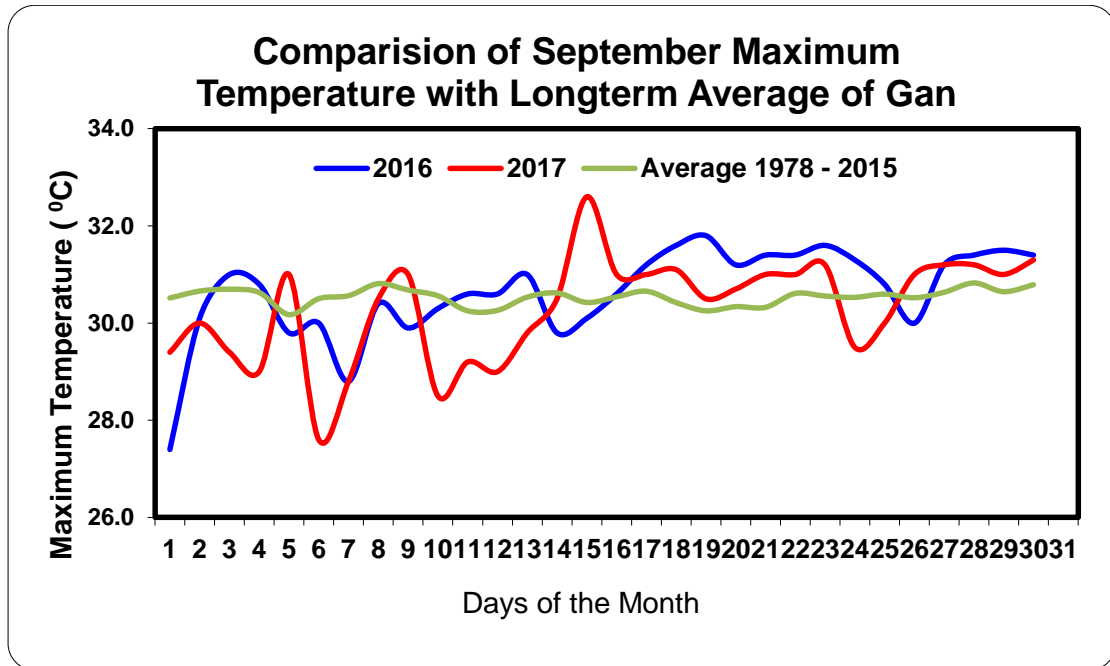
## South

Last September, southern part of the country received a total rainfall of 293 mm. The highest rainfall within 24 hours was recorded on the 10<sup>th</sup> and amounts to 48 mm of rainfall. The rainfall received in September 2016 was 234 mm less than that of last September. Figure below shows daily total rainfall (2016 and 2017) and daily average rainfall for the Month of September for southern part of Maldives.

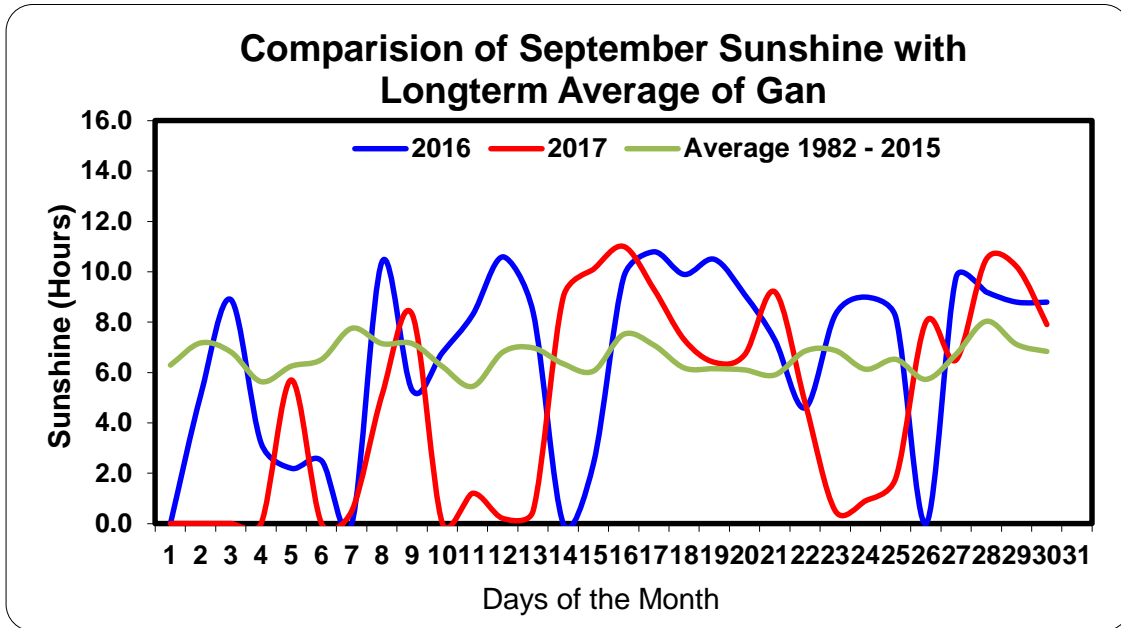


The highest temperature recorded in southern part of the Maldives last September was 33 degree Celsius, which was recorded on the 15<sup>th</sup>. The minimum temperature recorded in the same area for the last month was 24 degree Celsius and was recorded on the 11<sup>th</sup> of September. However, the highest temperature recorded in September 2016 in southern parts of the country was 32 degree Celsius, which was recorded on the 19<sup>th</sup>. Furthermore, the minimum temperature recorded in south in September 2016 was 23 degree Celsius, recorded on the 14<sup>th</sup>. Figure below shows daily maximum and minimum temperature (2016 and 2017) and average maximum and minimum temperature for the Month of September for southern part of Maldives.

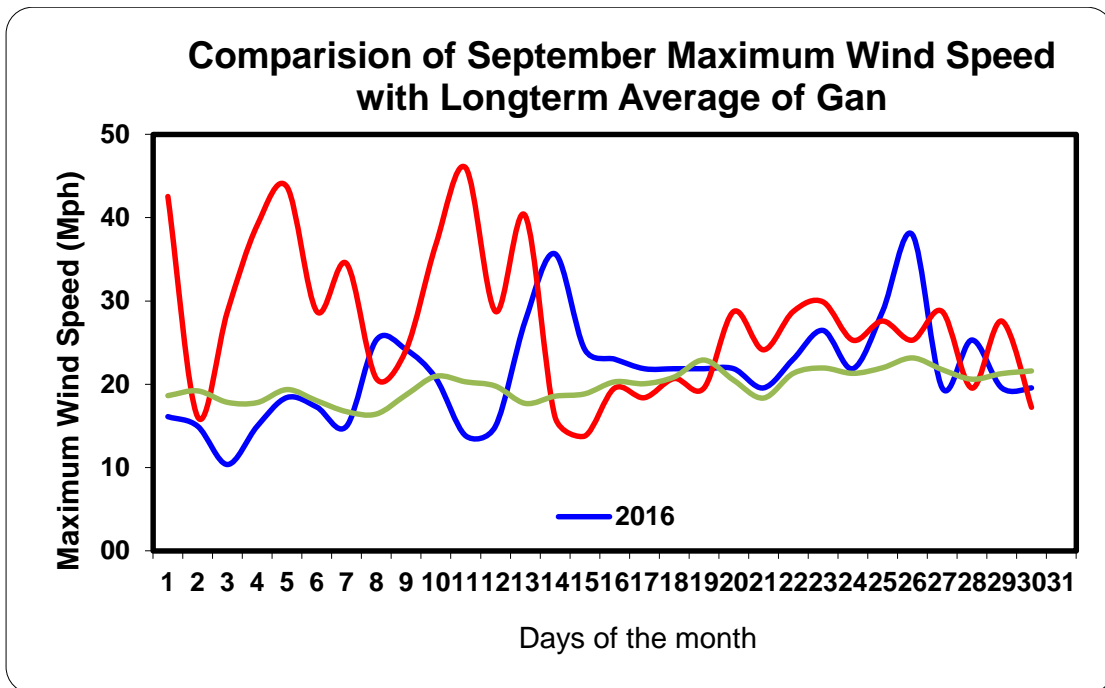




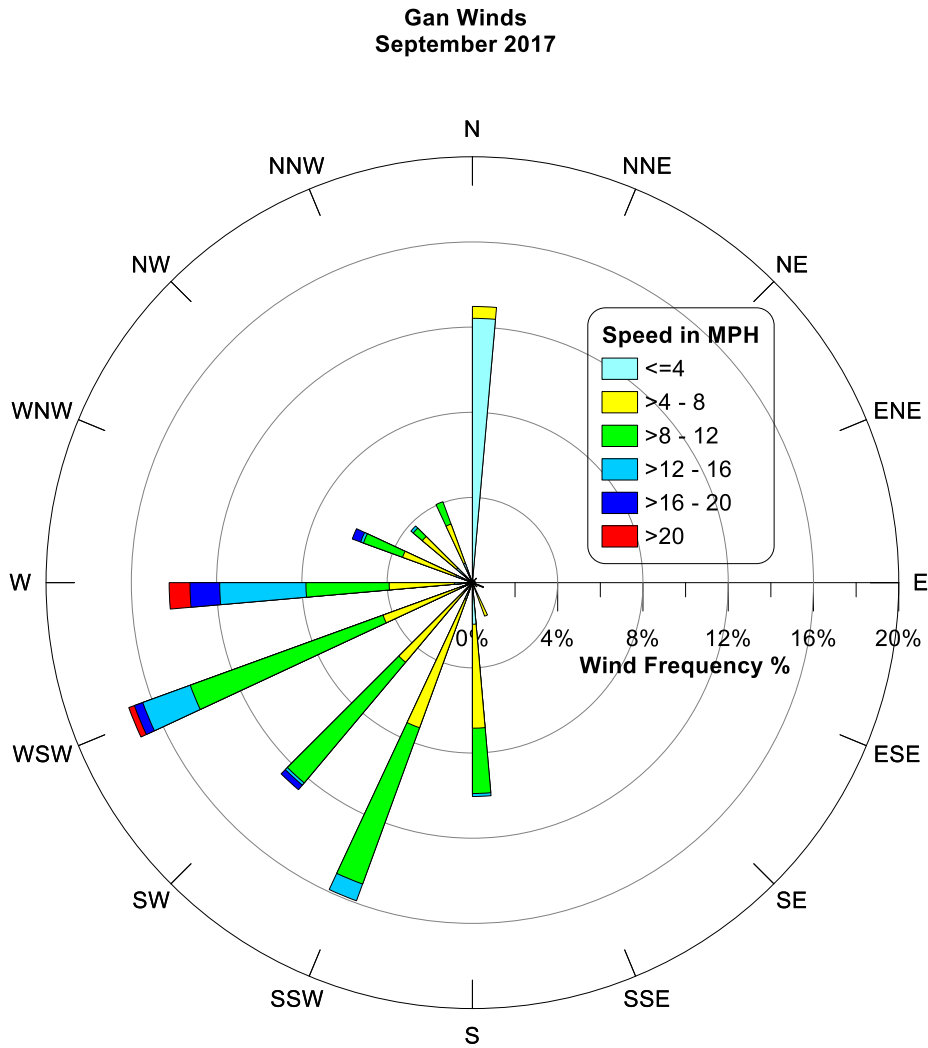
Southern part of the country received sunshine for 24 days last September, which amounts to 141 hours and 36 minutes. Furthermore, in September 2016 southern part of the country received sunshine for 26 days, which amounts to 198 hours 12 minutes. Figure below shows daily sunshine (2016 and 2017) and daily average sunshine for the Month of September for southern part of Maldives.



Last September, the maximum wind speed in south was experienced on the 11<sup>th</sup> at 06:22 hours from *west* at a speed of 46 mph. However, the maximum wind speed in southern atolls in September 2016 was recorded on the 26<sup>th</sup> at 12:12 hours at a speed of 38 mph from *west*. Figure below shows daily maximum wind speed (2016 and 2017) and daily average maximum wind speed for the Month of September for southern part of Maldives.



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



This is the wind rose for Gan based on hourly wind data of the month September 2017. This rose shows that the winds at Gan during the period blow from the *south-south-west, west-south-west and west* much of the time. In fact, the spokes in the directions *north, south and south-west* comprise about 33% 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 2015
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