

## Climate Monitoring and Prediction for the Maldives – January 2020

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February 2, 2020

### PACIFIC SEAS STATE

January 21, 2020

SSTs in the east-central Pacific were near the borderline of weak El Niño levels during mid-January. Patterns in atmospheric variables have mainly maintained neutral conditions, with some trends toward El Niño. Most model forecasts favor borderline weak El Niño SST conditions during winter, returning to ENSO-neutral by early spring and beyond. The official CPC/IRI outlook is consistent with these model forecasts.

(Text Courtesy IRI)

### INDIAN OCEAN STATE

January 22, 2020

1°C above average SST was observed around Maldives.

### MJO INDEX

The MJO was significant in Phase 5 from Jan 11-14; in Phase 6 from Jan 15-19; and in Phase 7 from Jan 20-24. Usually rainfall in Maldives is augmented in Phase 2.



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### Highlights

**Monitored:** During January, the whole country received normal rainfall for the season. During last year the northern and southern Islands have an excess of 400 mm and the central Islands have an excess of 300 mm of rainfall. The sea surface temperature around Maldives was 1 °C above normal. This is extremely warm.

**Predictions:** IMD GFS model predicts up to 10 mm of rainfall in the entire country on February 3<sup>rd</sup>. On the 4<sup>th</sup>, up to 40 mm of rainfall is expected in the northern islands; up to 10 mm in central and southern islands. On the 5<sup>th</sup>, rainfall up to 10 mm of is expected in the whole country. Long Range Weather prediction models simulations anticipate total rainfall up to 50 mm for the whole country next week.

### Summary

#### CLIMATOLOGY

**Monthly Climatology:** In February, northern islands receive average rainfall less than 50 mm while central islands receive up to 50 mm rain and southern islands receive up to 100 mm of rain. Wind is northeasterly. Usually in March, northern and central islands receive rainfall up to 50 mm while southern islands receive up to 100 mm of rain. Wind is northeasterly. In April, Southern islands usually receive about 150 mm of rainfall. The wind direction in southern and central islands is westerly and in northern islands, it's northwesterly.

#### MONITORING

##### Weekly Rainfall Monitoring:

Date	Rainfall
17 <sup>th</sup> -22 <sup>nd</sup> January	No Rainfall.
23 <sup>rd</sup> January	Up to 10 mm in the central islands and islands.
24 <sup>th</sup> January	Up to 50 mm in the southern islands and up to 20 mm in central islands.
25 <sup>th</sup> January	Up to 50 mm in the southern islands.
26 <sup>th</sup> January	Up to 20 mm in the southern islands.
27 <sup>th</sup> – 31 <sup>st</sup> January	No Rainfall.

**Monthly and Seasonal Rainfall Monitoring:** In January, the whole country received normal rainfall. The central and southern islands received up to 100 mm of total rainfall; and northern islands up to 60 mm.

#### PREDICTIONS

##### Weekly Rainfall Forecast:

According to IMD GFS rainfall up to 10 mm of is expected in the entire country on February 3<sup>rd</sup>. On the 4<sup>th</sup>, up to 40 mm of rainfall is expected in the northern islands; up to 10 mm in central and southern islands. On the 5<sup>th</sup>, rainfall up to 10 mm of is expected in the whole country. From 6<sup>th</sup> - 8<sup>th</sup>, rainfall up to 10 mm of is expected in the central and southern islands.

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