

Climate Monitoring and Prediction for the Maldives – February 2020

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March 9, 2020

PACIFIC SEAS STATE

February 18, 2020

SSTs in the east-central Pacific were neutral, but above average during mid-February. Patterns in atmospheric variables are split between neutral and weak El Niño conditions. Most model forecasts favor warm-neutral SST conditions during spring, cooling to average by early summer. The official CPC/IRI outlook is consistent with these model forecasts, calling for continuation of ENSO-neutral.

(Text Courtesy IRI)

INDIAN OCEAN STATE

February 26, 2020

1.5 °C above average SST was observed around Maldives.

MJO INDEX

The MJO was significant in Phase 5 from Feb 8-11; in Phase 6 from Feb 12-16; and again, in Phase 5 from Feb 17-20. Usually rainfall in Maldives is augmented in Phase 2.



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Highlights

Monitored: During February, 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 350 mm of rainfall. The sea surface temperature around Maldives was 1.5 °C above normal. This is extremely warm.

Predictions: IMD GFS model predicts up to 10 mm of daily rainfall in the entire country during 11th-13th March. On the 14th, up to 20 mm of rainfall is expected in the central islands; and up to 10 mm in northern and southern islands. Long Range Weather prediction models simulations anticipate total rainfall up to 50 mm for the whole country next week.

Summary

CLIMATOLOGY

Monthly Climatology: In March, northern and central islands receive average rainfall up to 50 mm while southern islands receive up to 100 mm of rain. Wind is northeasterly. Usually 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 is northwesterly. Rainfall usually increase up to 200 mm in May in the entire country. The wind direction remains the same but the speed increases.

MONITORING

Weekly Rainfall Monitoring:

Date	Rainfall
16 th February	No Rainfall.
17 th February	Up to 15 mm in the central islands.
18 th February	Up to 20 mm in the central islands.
19 th February	Up to 10 mm in the southern islands.
20 th February	No Rainfall.
21 st February	Up to 50 mm in the central and southern islands.
22 nd February	Up to 100 mm in the central; up to 50 mm in southern islands; and up to 10 mm in northern islands.
23 rd February	Up to 5 mm in the central islands.
24 th – 25 th February	No Rainfall.
26 th – 27 th February	Up to 20 mm in the southern islands.
28 th February	Up to 5 mm in the southern islands.
29 th February	No Rainfall.

Monthly and Seasonal Rainfall Monitoring: In February, the whole country received up to 150 mm of total rainfall, which is normal for the season.

PREDICTIONS

Weekly Rainfall Forecast:

According to IMD GFS daily rainfall up to 10 mm of is expected in the entire country during 11th-13th March. On the 14th, up to 20 mm of rainfall is expected in the central islands; and up to 10 mm in northern and southern islands. From 15th-16th, daily rainfall up to 20 mm of is expected in the central islands and up to 10 in northern islands.. On the 17th, rainfall up to 10 mm of is expected in the northern and central islands.

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