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Climate Monitoring and Prediction for the Maldives – July 2019

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August 3, 2019

PACIFIC SEAS STATE

July 19, 2019

SSTs in the east-central Pacific declined to ENSOneutral levels during early July, but still above average. Temperature anomalies of subsurface waters were nearaverage. Patterns in the atmosphere showed mainly ENSO-neutral to borderline El Niño conditions. Collective model forecasts favor ENSO-neutral through autumn, possibly returning to weak El Niño by winter.

(Text Courtesy IRI)

INDIAN OCEAN STATE

July 24, 2019

1 °C above average SST was observed around Maldives.

MJD INDEX

The MJD was significant in Phase 1 from Jul 1-13; and in again Phase 1 from Jul 16-21; and in Phase 2 on Jul 22. Usually rainfall in Maldives is augmented in Phase 2.



Highlights

Monitored: During July, southern parts of the country received rainfall below than is normal for the season by more than 50 mm; and central and southern islands received normal rainfall. The northern islands recorded the second highest rainfall for the period in past six years. The Southern Islands have an excess of 500 mm of rainfall during last year compared to the average while the Northern Islands are having a deficit of 400 mm and Central islands a deficit of 100 mm. 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 daily rainfall in the entire country during August 4th - 6th. On the 7th and 8th, rainfall up to 20 mm is expected in the northern islands and up to 10 mm in the rest of the country. Long Range Weather prediction models simulations anticipate total rainfall up to 25 mm for the entire country next week.

Summary

CLIMATOLOGY

Monthly Climatology: In July, the entire country usually receives up to 200 mm average rainfall and the wind direction in July is usually westerly but with low speeds wind speed. In August and September, the rainfall in southern and central islands increases to 250 mm while in northern islands it remains about 200 mm. The wind direction and speed do not change.

MONITORING

Weekly Rainfall Monitoring:

Date	Rainfall
18 th July	Up to 50 mm in the northern islands; up to 30 mm in the central; and up to 20 mm in the southern islands.
19 th July	Up to 30 mm in the northern islands; and up to 10 mm in the central and southern islands.
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20 th – 21 st July	No Rainfall.
22 nd July	Up to 5 mm in the central islands.
23 rd July	No Rainfall.
24 th July	Up to 5 mm in the northern islands.
25 th July	Up to 20 mm in the northern islands.
26 th July – 1 st August	No Rainfall.

Monthly and Seasonal Rainfall Monitoring: In July, northern and central islands received normal rainfall for the season; and southern islands received up to 50 mm rainfall below than normal.

PREDICTIONS

Weekly Rainfall Forecast: According to IMD GFS daily rainfall up to 10 mm of is expected in the entire country during August 4th - 6th. On the 7th and 8th, rainfall up to 20 mm is expected in the northern islands and up to 10 mm in the rest of the country. On the 9th, rainfall up to 20 mm of is expected in the whole country. On the 10th, rainfall up to 40 mm is expected in the southern islands and up to 20 mm in the rest of the country.

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