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## Climate Monitoring and Prediction for the Maldives - November 2019

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## December 3, 2019

# PACIFIC SEAS STATE November 19, 2019

SSTs in the east-central
Pacific were near
thresholds of weak El Niño
levels during October and
early November. However,
patterns in most
atmospheric variables
generally maintained
neutral conditions. The
oceanic warming is
attributed to
intraseasonal variability,
and the overall diagnosis

conditions
(Text Courtesy IRI)

indicates ENSO-neutral

## INDIAN OCEAN STATE November 27, 2019

1 °C above average SST was observed around Maldives.

## **MJD INDEX**

The MJO was significant in Phase 7 from Nov 11-13; and in Phase 8 from Nov 14-30 Usually rainfall in Maldives is augmented in Phase 2.





### Highlights

**Monitored:** During November, the whole country received rainfall slightly above than is normal for the season. During last year the Southern and Northern Islands have an excess of 450 mm and 200 mm of rainfall respectively compared to the average. The Central Islands are experiencing average rainfall. The sea surface temperature around Maldives was 1 °C above normal. This is extremely warm.

**Predictions:** IMD GFS model predicts up to 20 mm of daily rainfall in the northern islands; and up to 10 mm in central and southern islands on December  $4^{th}$  and  $5^{th}$ . On the  $6^{th}$  and  $7^{th}$ , daily rainfall up to 70 mm is expected in the northern and central islands; and up to 10 mm in southern islands. Long Range Weather prediction models simulations anticipate total rainfall up to 100 mm for the northern and central parts next week.

#### **Summary**

#### **CLIMATOLOGY**

**Monthly Climatology:** In December, northern islands receive up to 150 mm while central and southern islands receive up to 200 mm and 250 mm rain respectively. Northern islands get north easterly wind while southern islands get northerly wind. Usually in January northern islands receive up to 50 mm rain while central and southern islands receive up to 100 mm and 250 mm rain respectively. Wind is north easterly. In February, northern islands receive rainfall less than 50 mm while central islands receive up 50 mm rain and southern islands receive up to 100 mm rain. Wind is north easterly.

#### **MONITORING**

### **Weekly Rainfall Monitoring:**

Date	Rainfall
16th November	Up to 30 mm in the southern and central islands and up to 10 mm in northern islands.
17 <sup>th</sup> – 18 <sup>th</sup> November	No Rainfall.
19th November	Up to 20 mm in the central islands.
20th November	Up to 50 mm in the southern and central islands; up to 10 mm in northern islands.
21st November	Up to 5 mm in the southern islands.
22 <sup>nd</sup> November	Up to 20 mm in the northern islands.
23 <sup>rd</sup> November	Up to 10 mm in the northern islands.
24th November	Up to 70 mm in the northern islands; and up to 30 mm in the central islands.
25th November	Up to 30 mm in the central islands.
26th November	Up to 50 mm in the entire country.
27th November	Up to 20 mm in the central and southern islands and up to 15 mm in northern islands.
28 <sup>th</sup> November	Up to 50 mm in the central; up to 30 mm in southern; and up to 10 mm in the northern
	islands.
29th - 30th November	Up to 50 mm in the entire country.

**Monthly and Seasonal Rainfall Monitoring:** In November, the whole country received up to 75 mm of rainfall above than normal for the season. The entire country received up to 450 mm of total rainfall.

# PREDICTIONS Weekly Rainfall Forecast:

According to IMD GFS daily rainfall up to 20 mm of is expected in the northern islands; and up to 10 mm in central and southern islands on December 4<sup>th</sup> and 5<sup>th</sup>. On the 6<sup>th</sup> and 7<sup>th</sup>, daily rainfall up to 70 mm is expected in the northern and central islands; and up to 10 mm in southern islands. On the 8<sup>th</sup>, rainfall up to 70 mm of is expected in the northern islands; up to 40 mm in central island; and up to 10 mm in the southern islands. On the 9<sup>th</sup>, rainfall up

to 40 mm of is expected in the central islands and up to 20 mm in the northern and southern islands.

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