



 **XRain**

Our Wet World

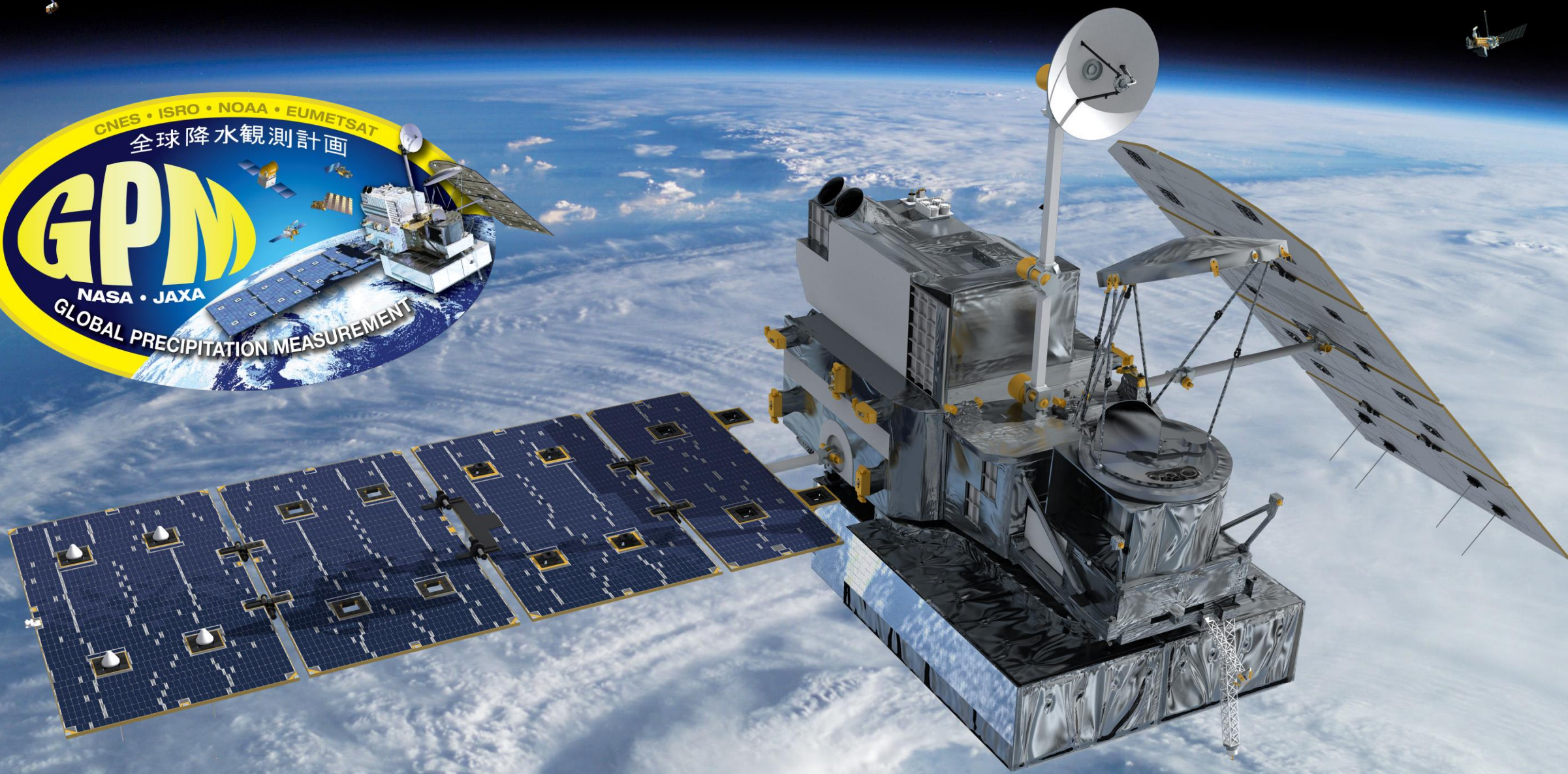
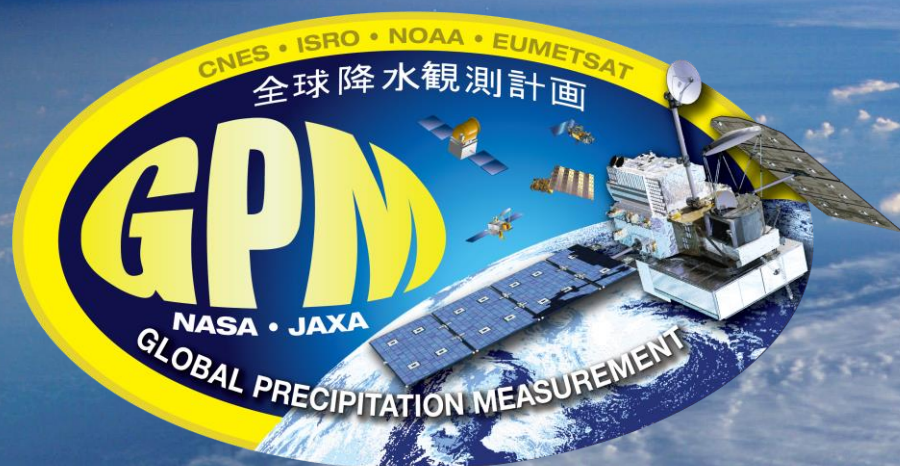
Dr Cameron Oliver

water
NEW ZEALAND
The New Zealand Water & Wastes Association *Waiora Aotearoa*

The logo for Water New Zealand features a stylized graphic of three green mountain peaks above three blue wavy lines representing water.

Stormwater 2023
Te Roopu Wai Āwhātanga
23–25 May | Cordis, Tāmaki Makaurau Auckland

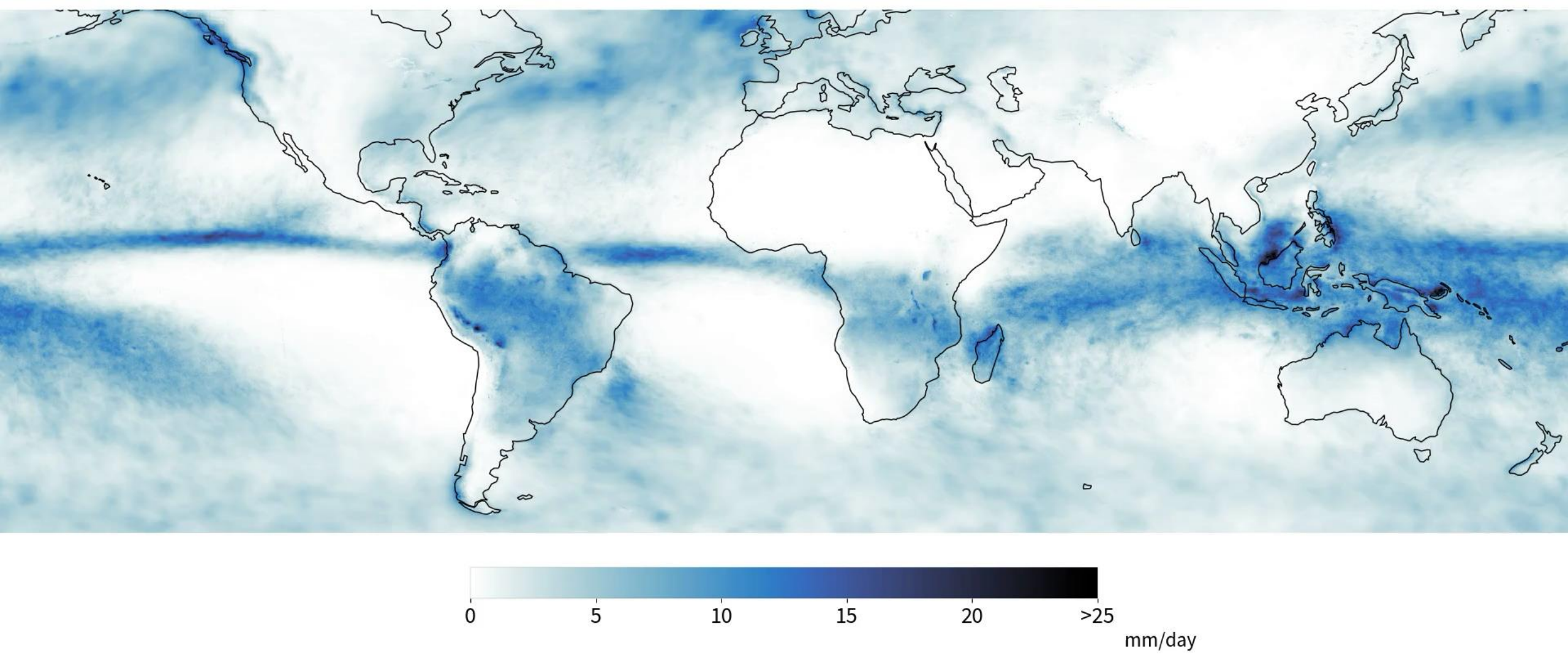




Mean precipitation

January 1

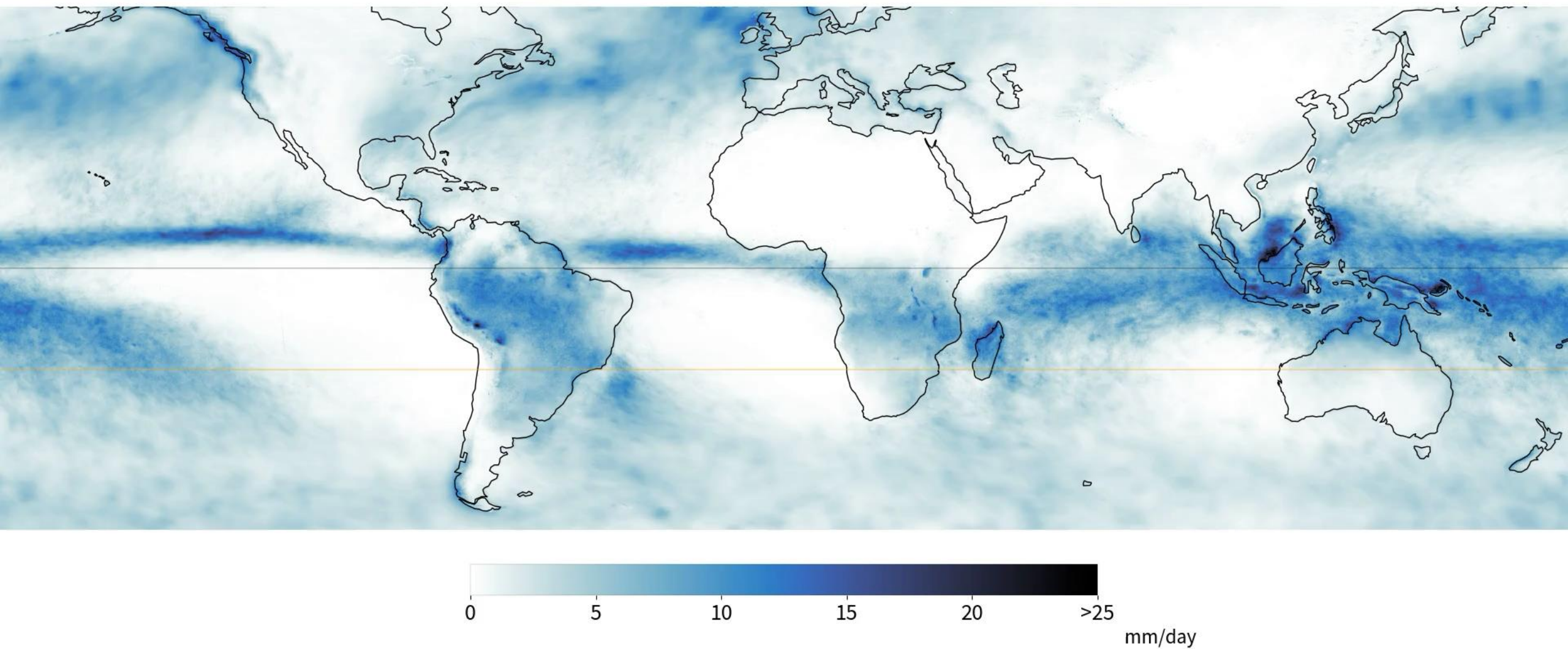
Mean daily rainfall



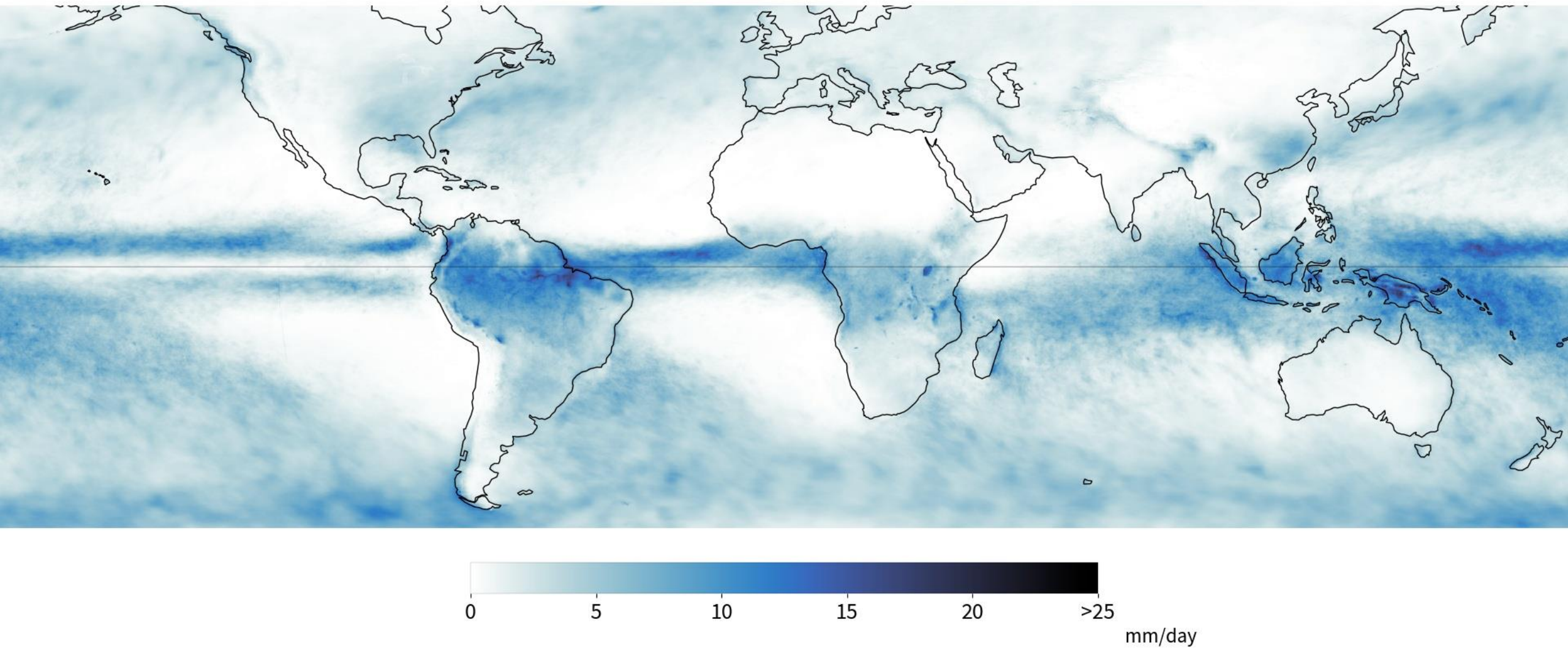
Data source: NASA Integrated Multi-satellite Retrievals for GPM (IMERG). Animation produced by XRain (<https://xrain.info/>).

January 1

Mean daily rainfall



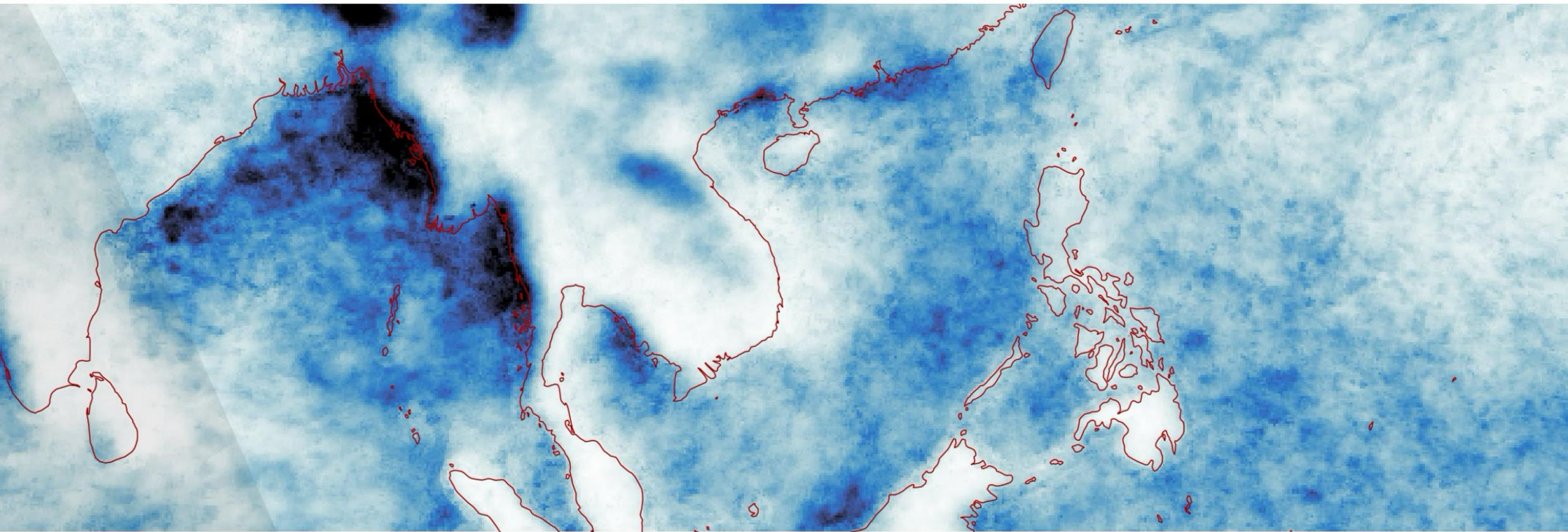
Data source: NASA Integrated Multi-satellite Retrievals for GPM (IMERG). Animation produced by XRain (<https://xrain.info/>).



Diurnal cycles

06 AM Myanmar, 08 AM Philippines

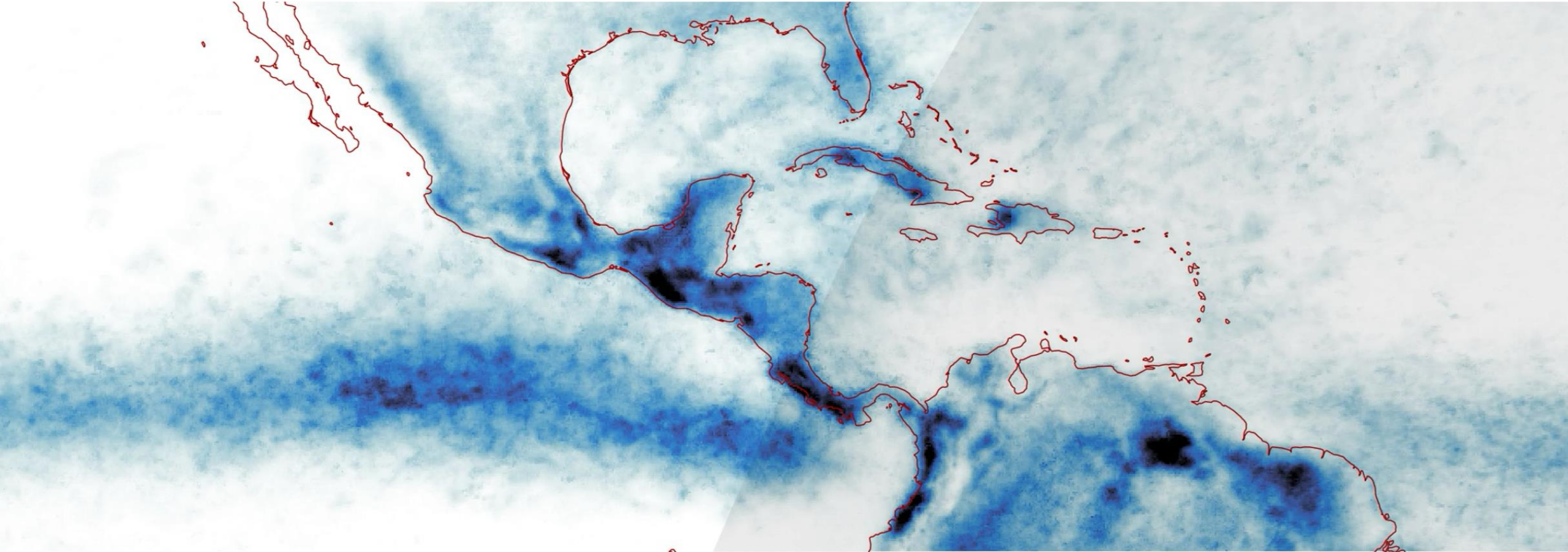
Mean hourly rainfall



Data source: NASA Integrated Multi-satellite Retrievals for GPM (IMERG). Animation produced by XRain (<https://xrain.info/>).

06 PM CST

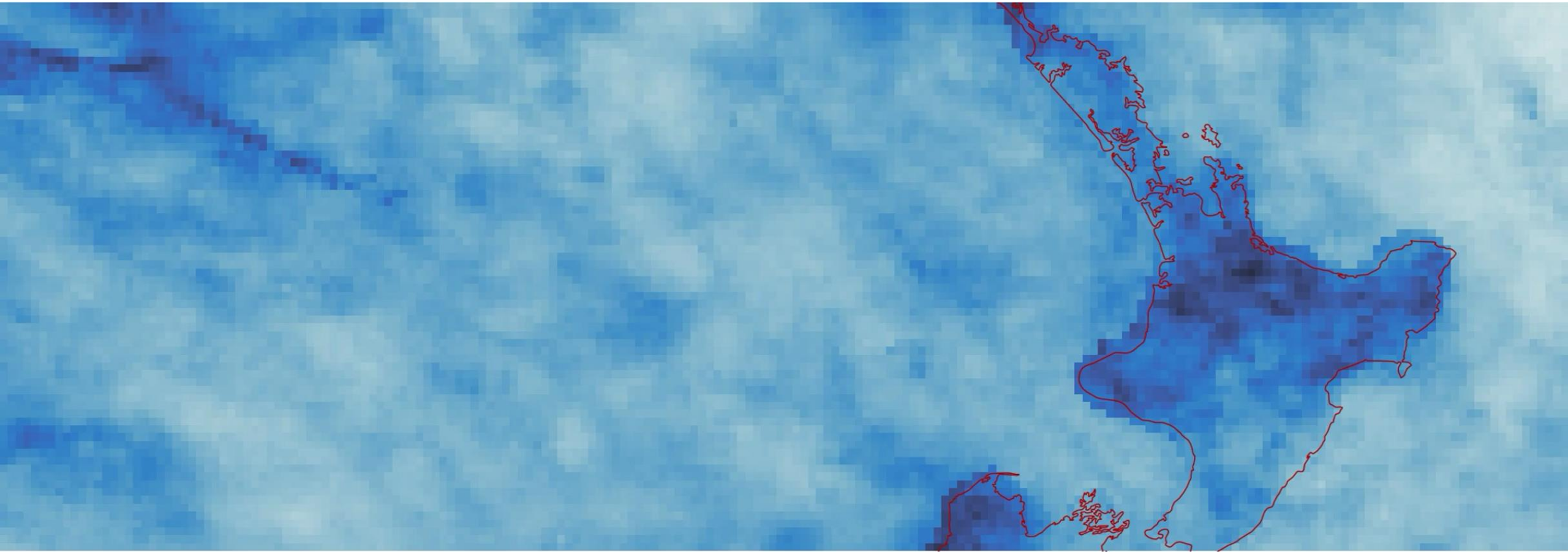
Mean hourly rainfall



Data source: NASA Integrated Multi-satellite Retrievals for GPM (IMERG). Animation produced by XRain (<https://xrain.info/>).

12 PM NZST

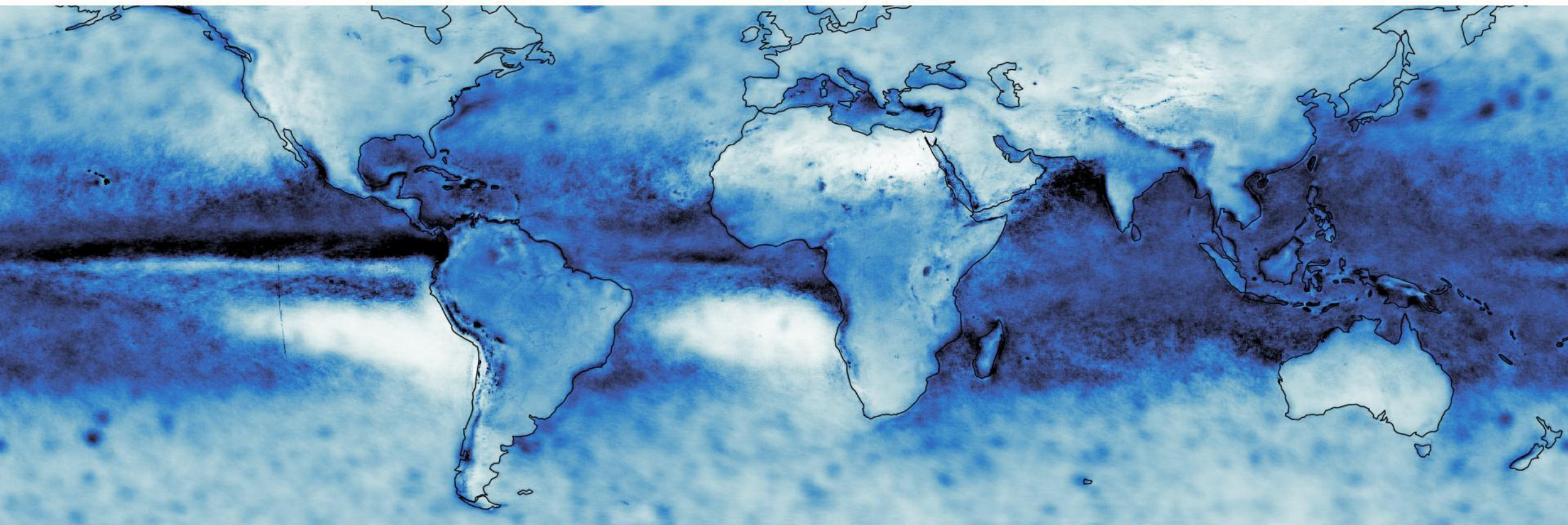
Mean hourly rainfall



Data source: NASA Integrated Multi-satellite Retrievals for GPM (IMERG). Animation produced by XRain (<https://xrain.info/>).

Extreme rainfall

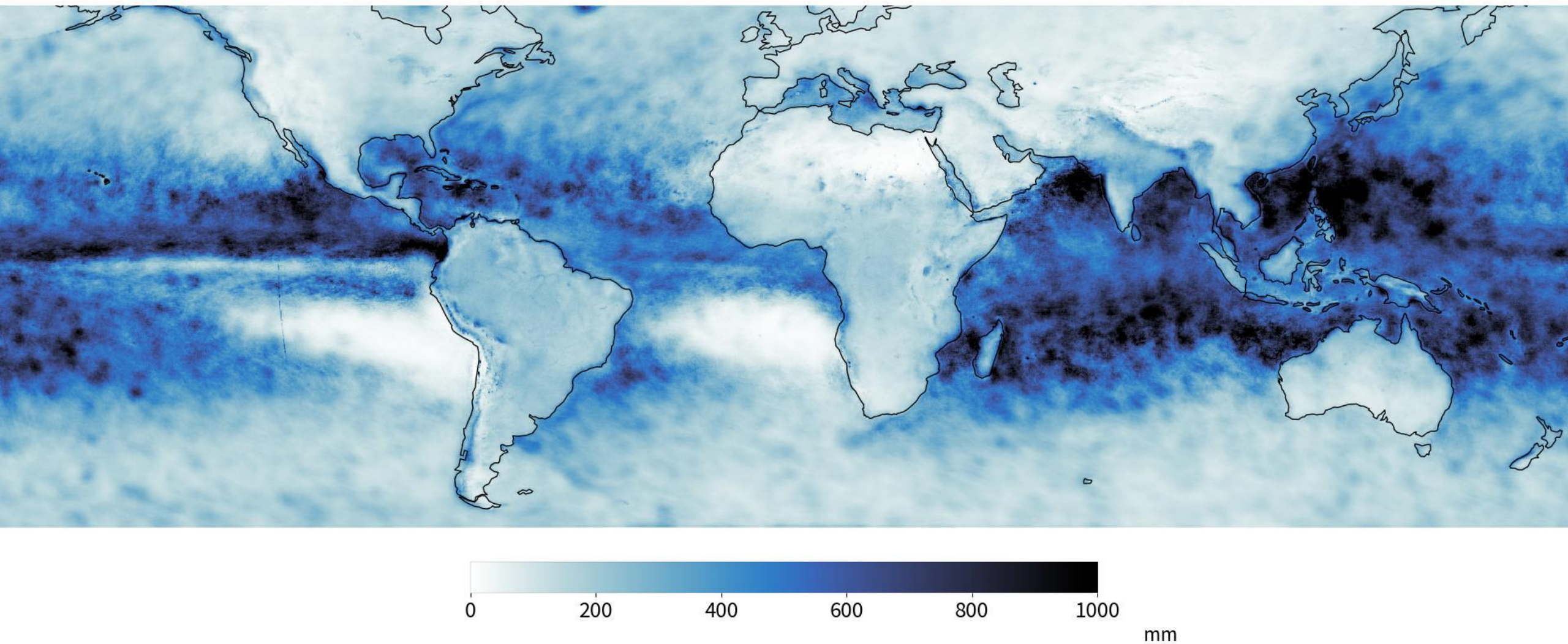
GEV depth, 1% AEP 1 hour



mm

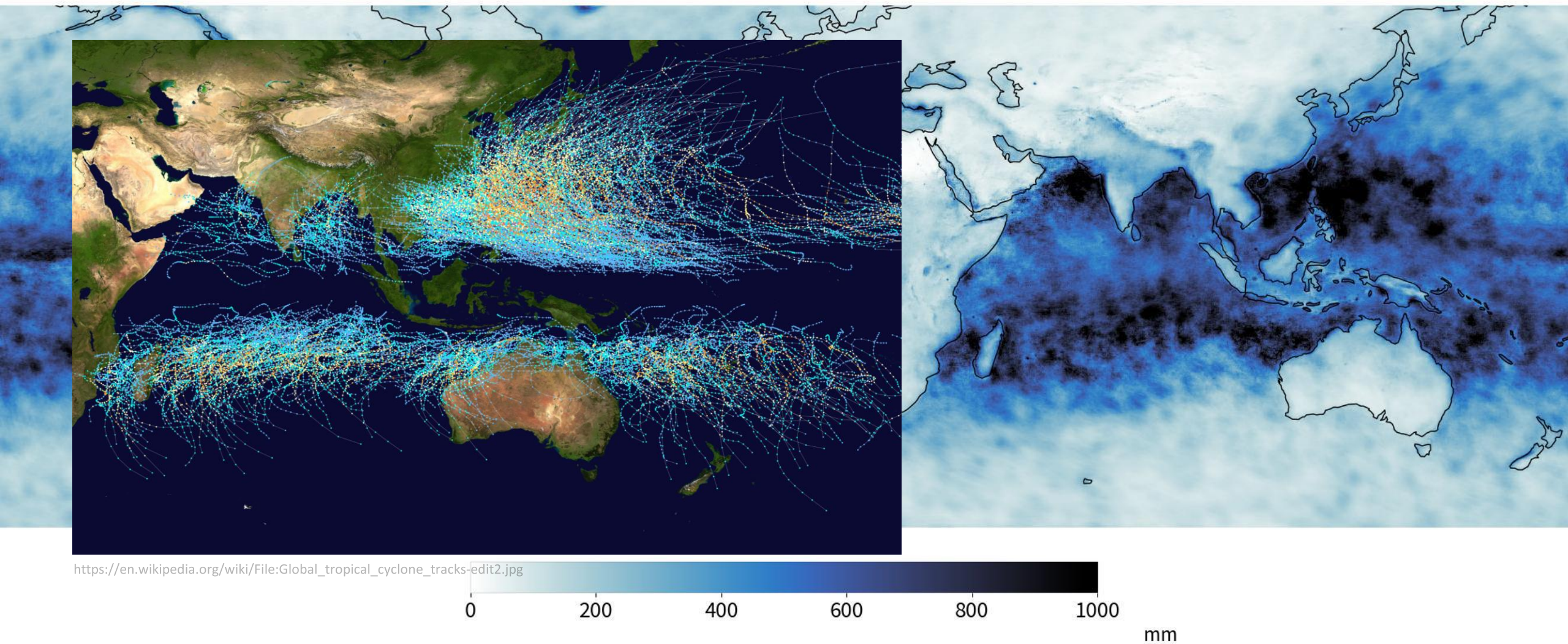
Data source: NASA Integrated Multi-satellite Retrievals for GPM (IMERG)

GEV depth, 1% AEP 24 hours



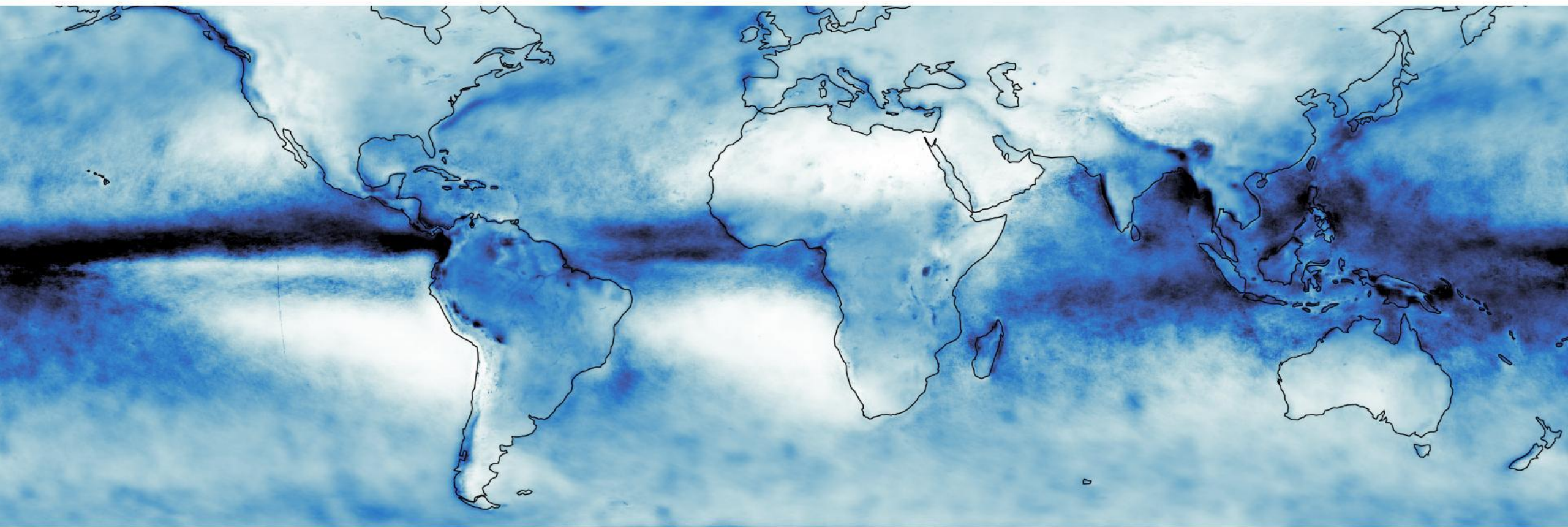
Data source: NASA Integrated Multi-satellite Retrievals for GPM (IMERG)

GEV depth, 1% AEP 24 hours



Data source: NASA Integrated Multi-satellite Retrievals for GPM (IMERG)

GEV depth, 1% AEP 18 weeks

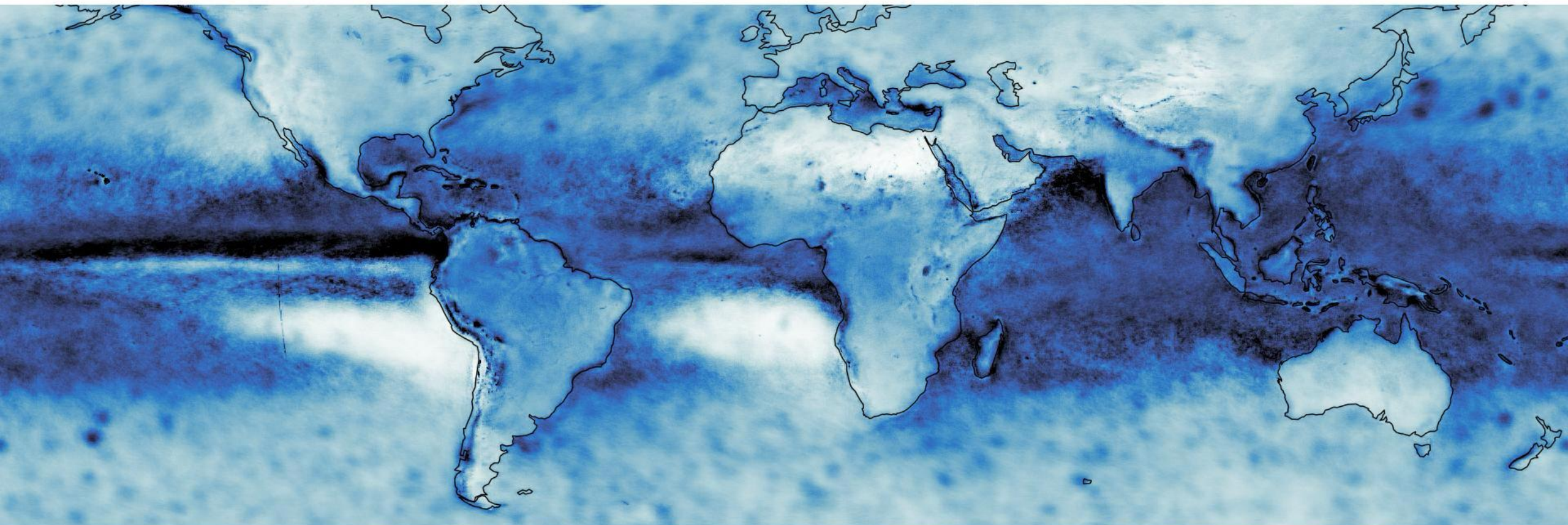


mm

Data source: NASA Integrated Multi-satellite Retrievals for GPM (IMERG)

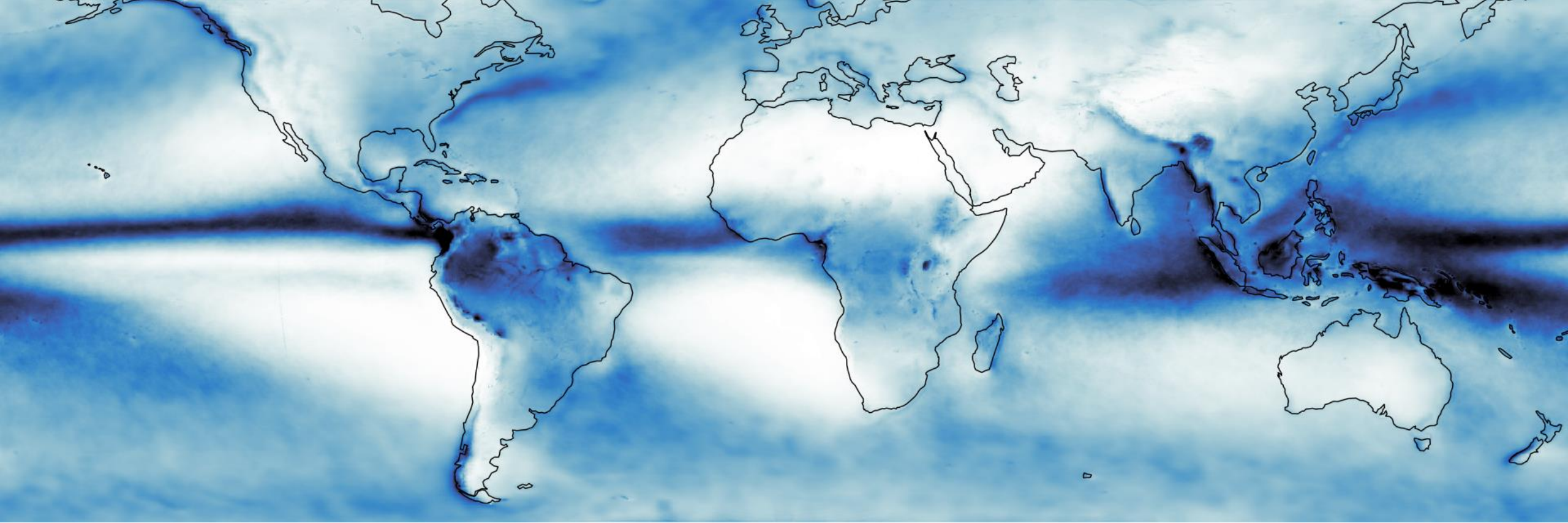
1 hour

1% AEP depth



mm

Data source: NASA Integrated Multi-satellite Retrievals for GPM (IMERG). Animation produced by XRain (<https://xrain.info/>).



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xrain.info/data

