

Severe Weather Advisory for the Caribbean - Hurricane Jose

Issued on Tuesday, 12th September 2017 at 0500UTC.

Headline

Hurricane Jose is currently a Category 1 hurricane over the open waters of the tropical W Atlantic. Jose is currently slow-moving and is expected to remain over open waters with no significant impacts for the coming 3-4 days at least.

Towards the end of the week there is a lot of uncertainty in the track and intensity of Hurricane Jose, with a risk that it might move towards The Bahamas. The official forecast track from the National Hurricane Centre (NHC) keeps the system away from the Islands, but with a large spread and therefore low confidence.

Discussion

Hurricane Jose is now a Category 1 hurricane with sustained 1-minute mean winds of 85mph. Jose is currently centred over the open waters of the tropical W Atlantic around 400 miles to the ENE of The Bahamas. Jose is currently slow-moving and is expected to slowly move around in a clockwise circle over the coming few days. The latest forecast track from the NHC shows the system moving north-westwards from Thursday, likely staying away from most of the Caribbean islands. However, there is a lot of uncertainty in the track, with the GM showing a more pessimistic track towards The Bahamas by the end of this week.

There is a large spread in the ensembles for the forecast track later in the week, so low confidence in the evolution. The GM's forecast track towards The Bahamas considered a low, but not insignificant risk. Note that there are no associated Tropical Storm or Hurricane watches in force.

Latest information of track of Jose can be found here at http://www.nhc.noaa.gov/graphics_at2.shtml?cone#contents. The National Hurricane Centre is the official agency for issuing forecasts and warnings for tropical storms and hurricanes in the North Atlantic basin. Decision making should be based on these official forecasts.

Impacts:

Winds: Hurricane Jose is tracking over open water through the next 3-4 days so no islands are expected to be impacted. There is a risk that the Turks and Caicos Islands and the Bahamas area could be affected by tropical storm force winds on Friday and into the weekend, but this is currently a low but not insignificant risk.

Storm Surge & Flooding: Significant storm surge is unlikely at this stage, though a small surge may affect Turks and Caicos Islands and the Bahamas on Friday and into the weekend if the southward forecast occurs as per the GM's evolution. In this case, heavy rain may lead to flooding there from Friday.

Rainfall: The next few days are expected to be dry across the northern Leeward Islands or the British Virgin Islands. Heavy showers are possible across the Turks and Caicos Islands and the Bahamas over the next few days, with the potential for more persistent heavy rain on Friday and into the weekend. This may give 300-400mm per day, which would likely lead to flooding.

This forecast may be amended at any time

mailto: GGU@metoffice.gov.uk

Phone Duty Forecaster, Global Guidance Unit (GGU), Operations Centre, Met Office, Fitzroy Road, Exeter
VPN n6225 4319, BT 01392 884319

© Crown copyright 2021

Figure 1: 12/0300 UTC IR satellite image.

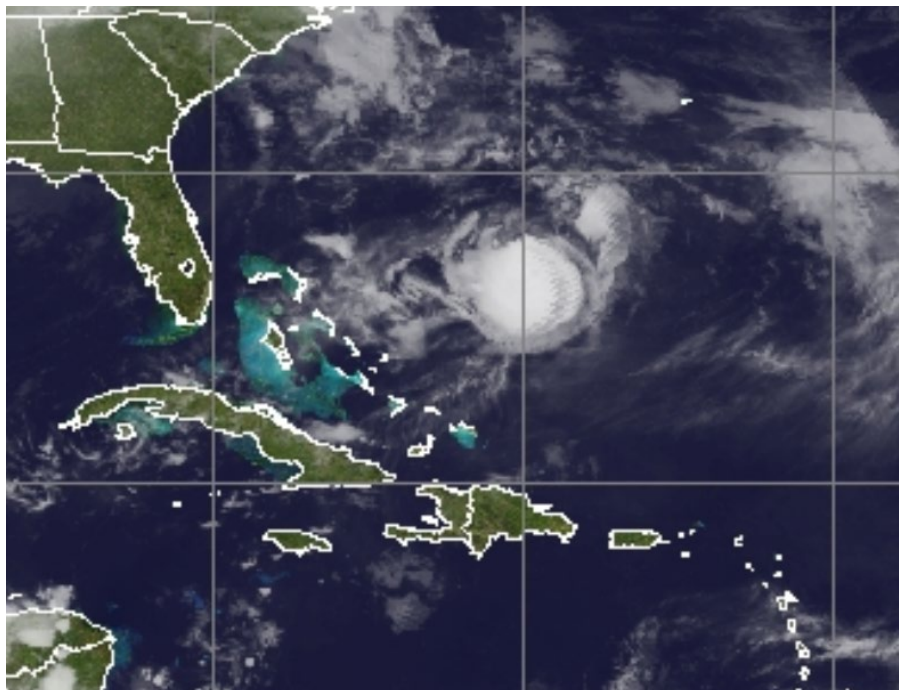


Figure 2: 12/0300UTC official forecast track and cone of uncertainty for Hurricane Jose from the National Hurricane Centre. Times on the graphic are in AST (UTC-4).



This forecast may be amended at any time

mailto: GGU@metoffice.gov.uk

Phone Duty Forecaster, Global Guidance Unit (GGU), Operations Centre, Met Office, Fitzroy Road, Exeter
 VPN n6225 4319, BT 01392 884319

© Crown copyright 2021

Figure 3: Latest (11/12 UTC) Multimodel ensemble spread of tracks from the Met Office, ECMWF and NCEP.

This shows the range of possibilities for the track of Jose during the next 7 days. This latest run is consistent with previous issues. Note the consistent tracks from the ensemble members for the next few days, with a large spread for the end of the forecast.

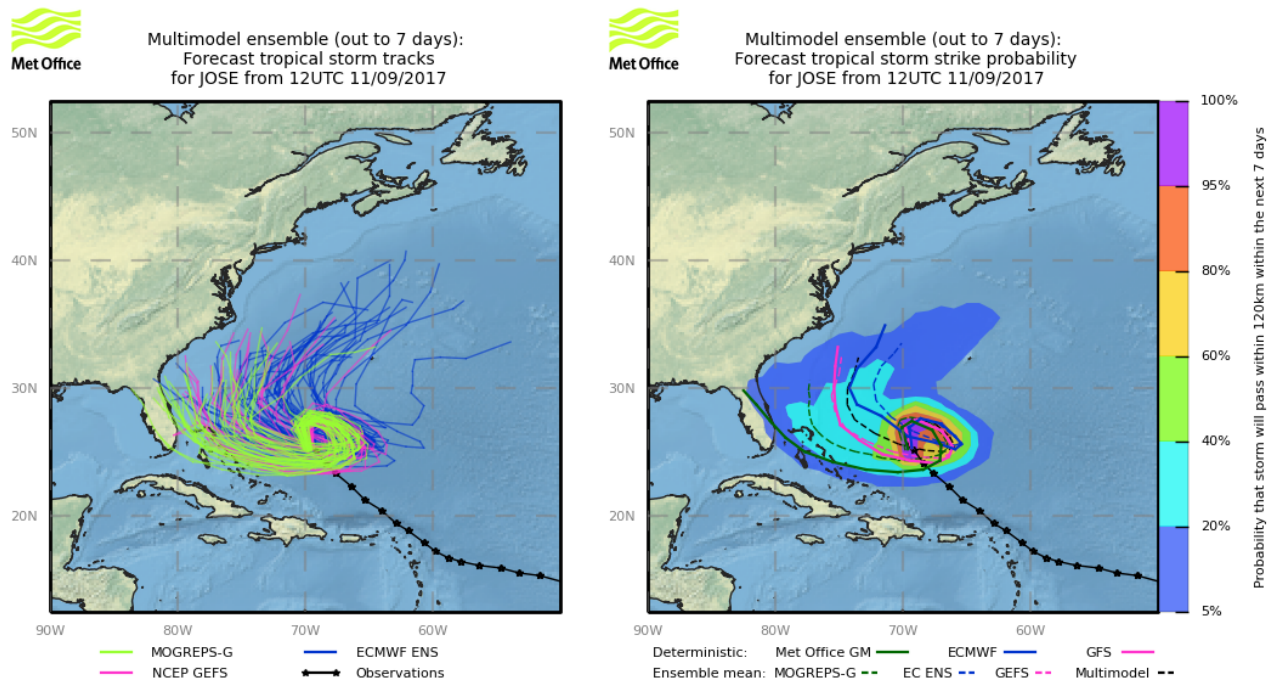
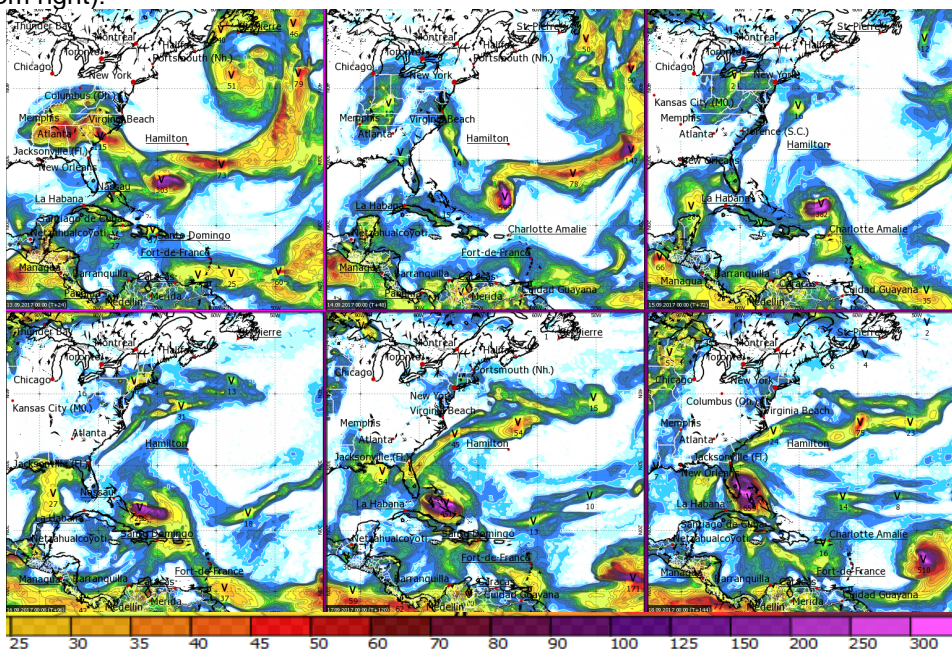


Figure 4: 12/00Z UKGM 24 hour rainfall totals for the next 6 days in millimetres. Tuesday (top left), to Sunday (bottom right).



Sources

NHC, UK Met Office, ECMWF, NCEP, and various media reports.

Issued at: 120500Z

Meteorologist: Jenny Rourke

Global Guidance Unit

This forecast may be amended at any time

mailto: GGU@metoffice.gov.uk

Phone Duty Forecaster, Global Guidance Unit (GGU), Operations Centre, Met Office, Fitzroy Road, Exeter
VPN n6225 4319, BT 01392 884319

© Crown copyright 2021