

Ten day Outlook for Belize

July 1 - 10, 2015

Synopsis: A seasonally moist, easterly airflow associated with the leading edge on a persistent, low level jet across the Caribbean is enhancing some brief showers and thunderstorms over northern Central America and Belize. A tropical wave around 85 W this afternoon will reach Belize within the next 24 hours, favoring an increase in convection over most districts later on Thursday and Friday. Expect maximum rainfall rates in some areas in the order on 0.60 of-an-inch (15 mm) for Wednesday and early Thursday and near 0.50- 1.00 inch later on Thursday and Friday.

A second tropical wave moving into the western Caribbean on Friday will dissipate as it moves closer to Yucatan and Belize. Convection will cease somewhat on Saturday.

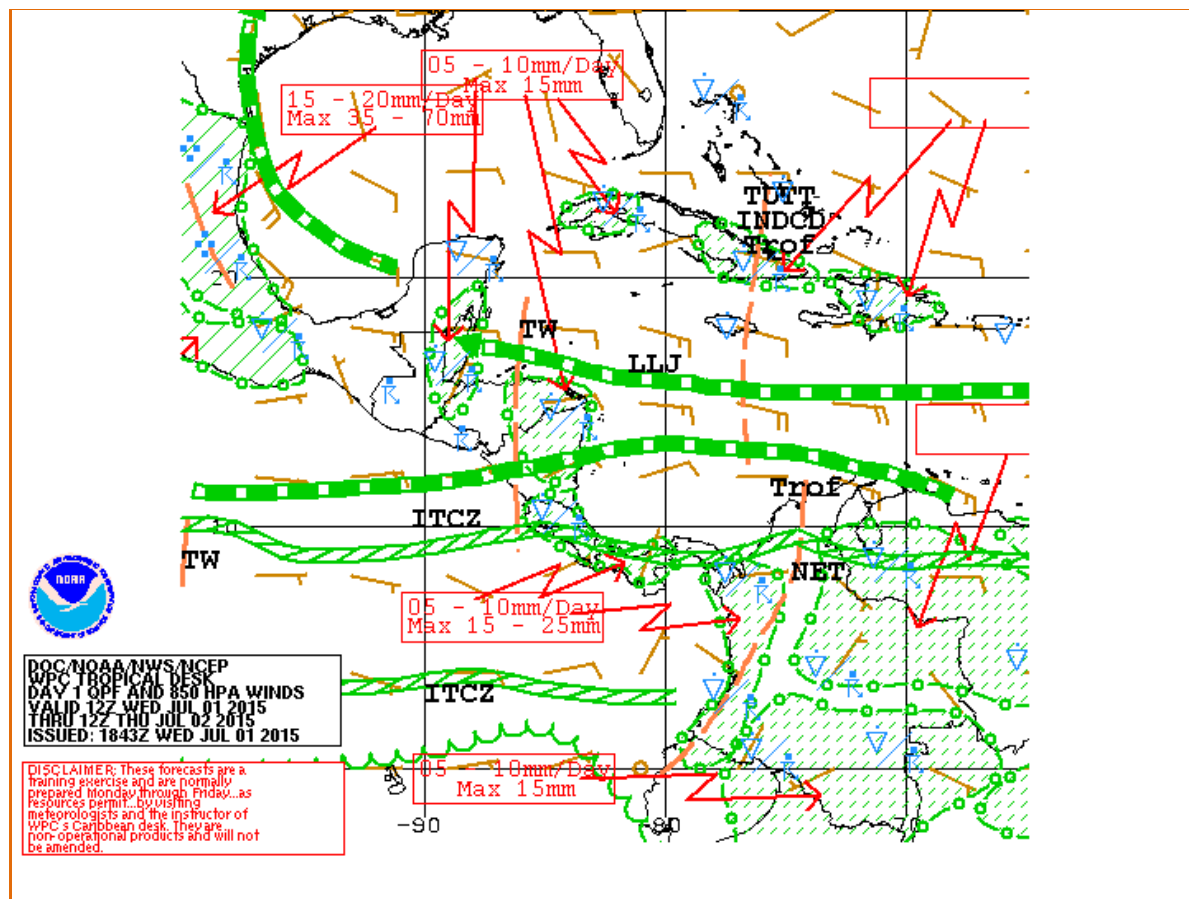


Figure 1: NOAA forecast significant weather map valid through 6: 00 am, Thursday, July 2, depicting scattered convection over southern Yucatan, Belize and western Honduras associated with an approaching tropical wave. A short-wave upper level trough in the southern Gulf of Mexico will enhance low level instability later on Thursday and Friday of this week. Low level easterly jet extends across the central Caribbean, with leading edge to southern Yucatan.

Figures 1 – 3 are the NOAA forecast, significant weather maps for Thursday morning of this week, through Saturday morning. Scattered showers and embedded thunderstorms are depicted in green, hatched areas; tropical waves are shown in broken, orange lines, while the low level easterly jet (LLJ) are depicted by the broader, green and white line with arrow head pointing in the direction of the moving jet.

The GFS-MNSPRD global ensemble forecast model and the GSF model are resolving another surge of energy in the upper levels over the southern Gulf of Mexico next week, in the form of a short-wave trough, which will enhance more convection over Belize and Yucatan by Tuesday and Wednesday next. This feature will favor an increase in showers and thunderstorms, especially over central and southern Belize, with daily rainfall rates of 0.75 – 1.25 inch (19 – 32 mm).

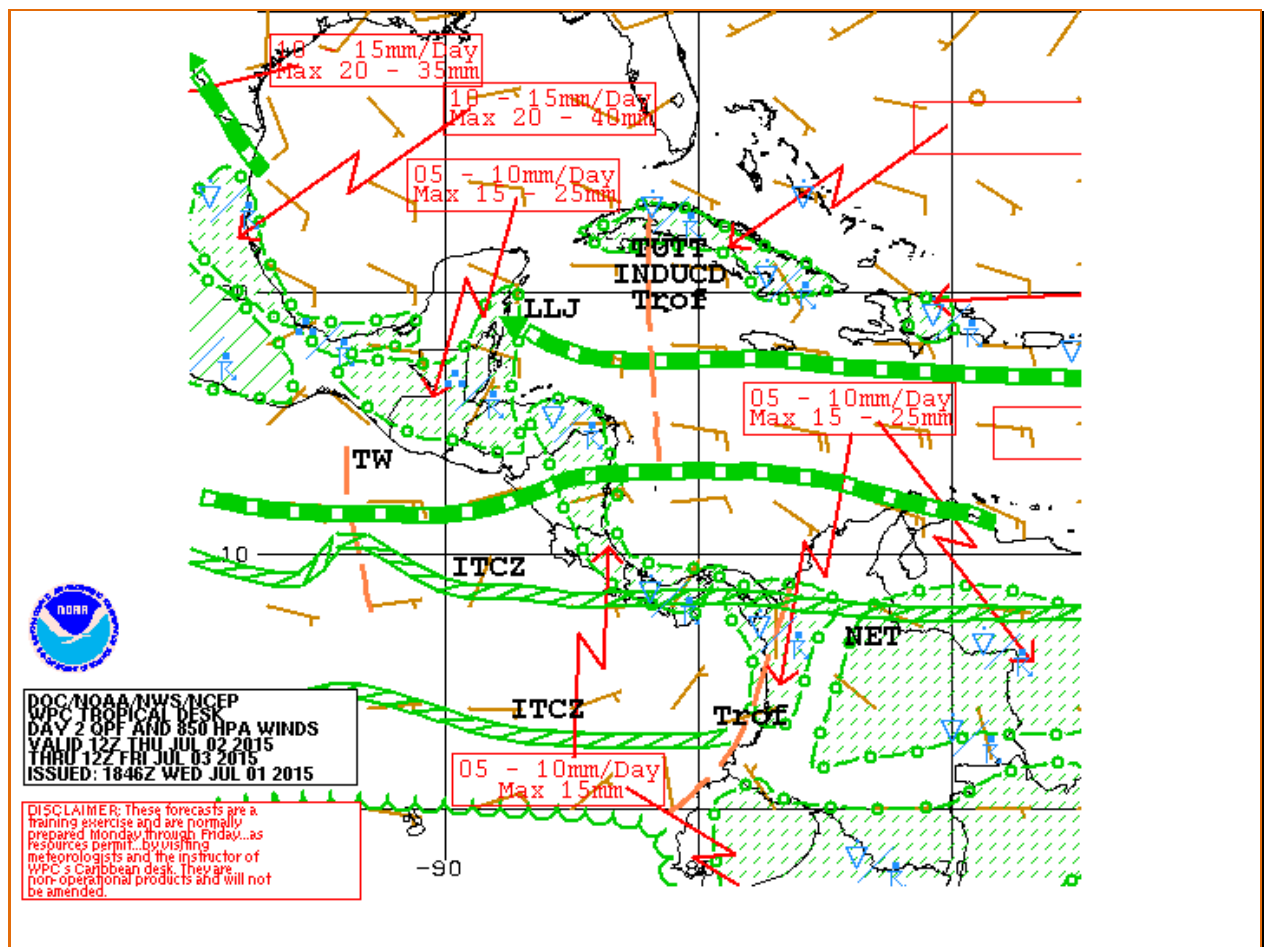


Figure 2: NOAA Forecast significant weather map valid through 6:00 am, Friday, July 3, showing a second tropical wave (TW) moving into the NW Caribbean. Widespread convection is forecast across southern Yucatan, Belize, Guatemala and southern Mexico.

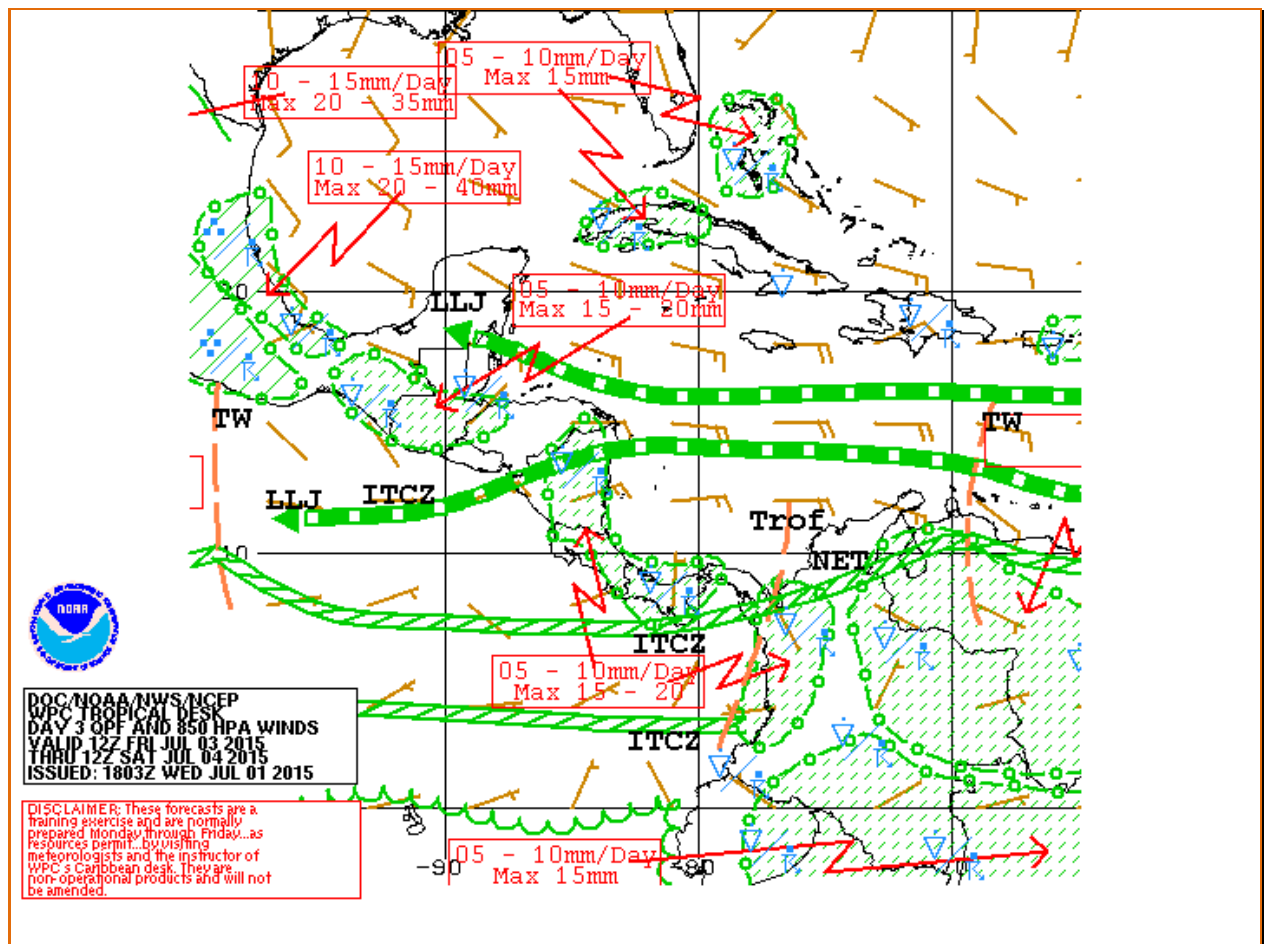


Figure 3: NOAA forecast significant weather map valid through 6:00 am Saturday, July 4, 2015, showing northern edge of widespread convection over southern Toledo District, extending from central Guatemala across SW Mexico. A low level jet persists across the Caribbean to northern Belize.

Daily Outlook for Belize: July 01 – 10, 2015

Day 1- Wed. 01 Jul	Day 2- Thu. 02 Jul	Day 3- Fri. 03 Jul	Day 4- Sat. 04 Jul	Day 5- Sun. 05 Jul
Isolated showers & thunderstorms inland and south. Daily rainfall rates of 0.10 – 0.25 inch	Scattered showers & thunderstorms, increasing later. 0.50 – 1.0 inch	Showers & thunderstorms decreasing later in the afternoon 0.25 – 0.50 inch	Isolated showers & thunderstorm 0.10 -0.25 inch	Scattered showers & thunderstorms mostly over coastal areas especially... 0.25 – 0.50 inch
Day 6- Mon. 06 Jul	Day 7- Tue. 07 Jul	Day 8- Wed. 08 Jul	Day 9- Thu. 09 Jul	Day 10- Fri. 10 Jul
Scattered showers & thunderstorms central and northern areas 0.25 –0.50 inches	Scattered showers & thunderstorms central and northern areas 0.25 –0.50 inches	Increasing outbreaks of showers & thunderstorms over central & southern areas 0.25 – 0.75 inch	Outbreaks of showers and thunderstorms especially over central coast. 0.50 – 1.20 inch	Scattered showers and few thunderstorms most areas 0.50 – 1.25 inch

NHC Tropical Weather Outlook

TTAA00 KNHC DDHHMM

TROPICAL WEATHER OUTLOOK NWS NATIONAL HURRICANE CENTER MIAMI FL 200 PM EDT WED JUL 1 2015

For the North Atlantic...Caribbean Sea and the Gulf of Mexico:

Tropical cyclone formation is not expected during the next 5 days.

Forecaster Blake

R. Frutos
Wednesday, July 1, 2015
