

# Weekly Weather Outlook for Belize

Valid Time: Monday, March 5-12, 2012

## Feature(s) of Interest:

The feature of interest this week will be a quasi-stationary frontal boundary over the NW Caribbean coupled with a moist, NE'ly airflow through Wednesday. Thereafter, the airflow will swing to the East and East Southeast favouring drier weather.

A cold front will move SE across the Gulf of Mexico as we move into the upcoming weekend, but the southern portion will weaken before it moves into the NW Caribbean.

The weather will be cloudy at first with showers and periods of rain, some heavy at times, especially over the hilly terrain and along the coast today, Tuesday and early Wednesday. Later on Tuesday and most of Wednesday the rains will be concentrated mostly along coastal areas and in the South. The rain will decrease later on Wednesday through Thursday. It will become generally fair on Friday through Monday, although a backing in the wind-flow on Sunday could lead to some showers developing mostly along the coast.

Daily rainfall accumulations over most districts on Monday through Wednesday of this week will range from 0.50-0.75 of-an-inch, with higher rates of 1.75-2.00 inches in the hills and southern districts. Daily rainfall totals will be decreasing after Wednesday, ranging from 0.10-0.25 of-an-inch on Thursday though Monday, particularly along coastal areas.

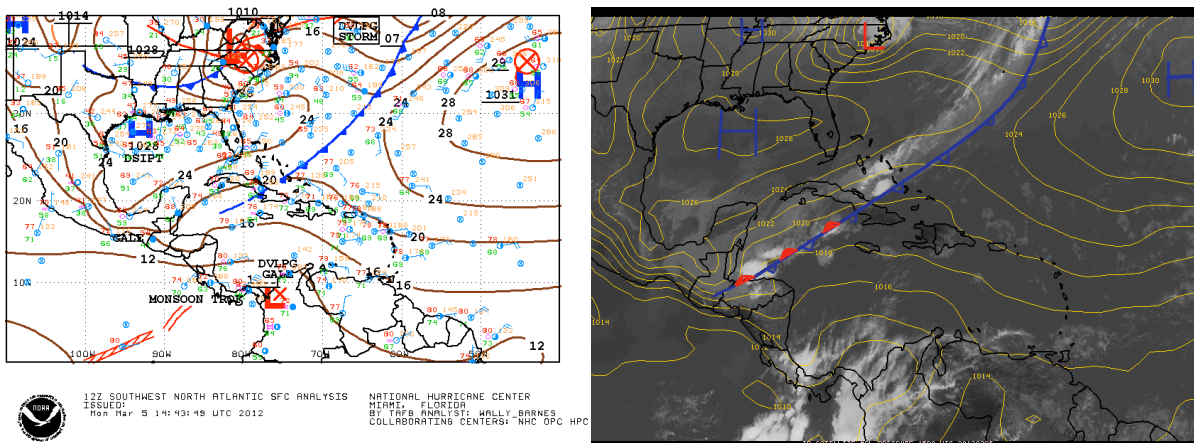
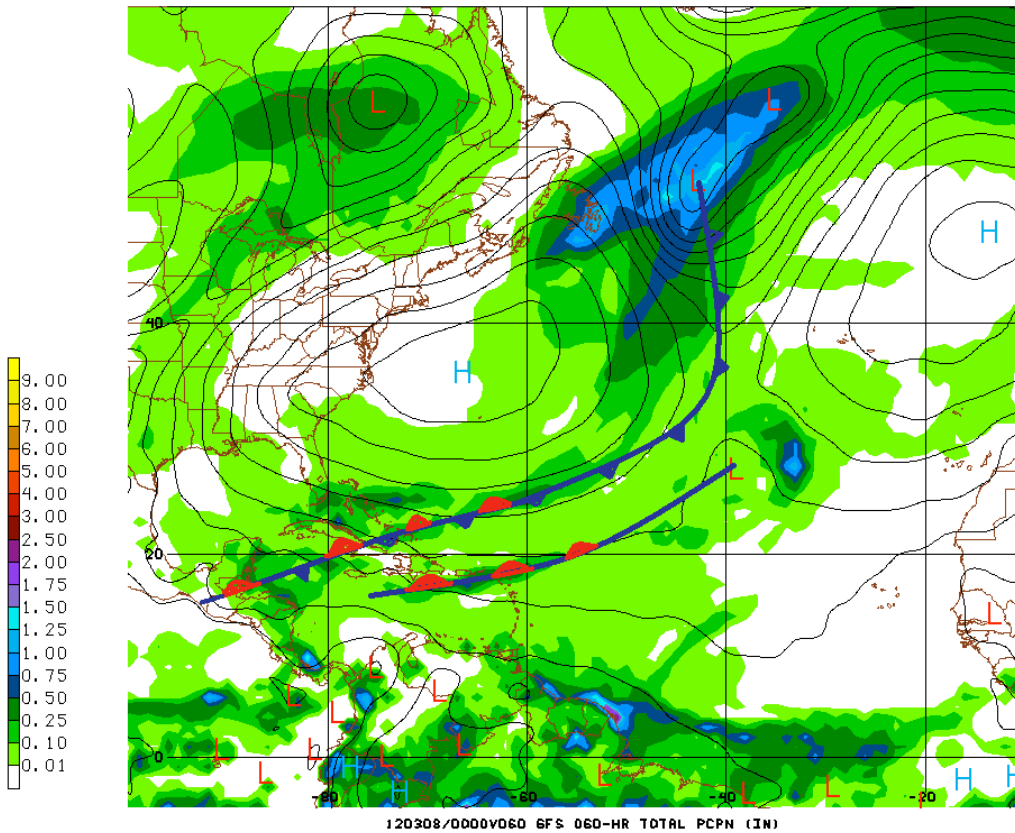
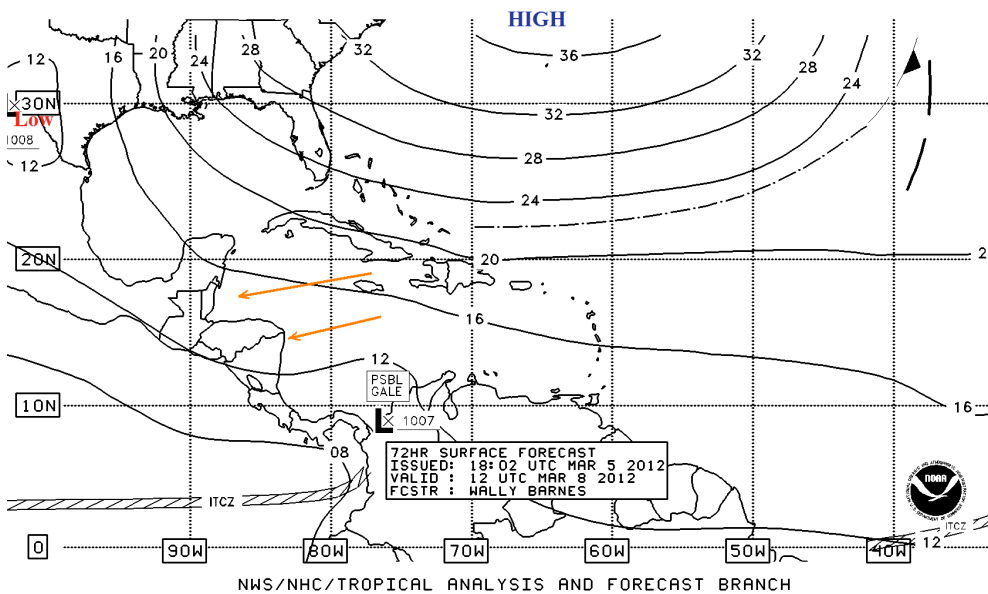


Fig. 1 Surface map and GOES IR Satellite picture valid for 9:00 am, Monday, March 5, 2012, showing stationary frontal boundary from eastern Cuba to the Gulf of Honduras, producing scattered rain clouds over and offshore Belize.

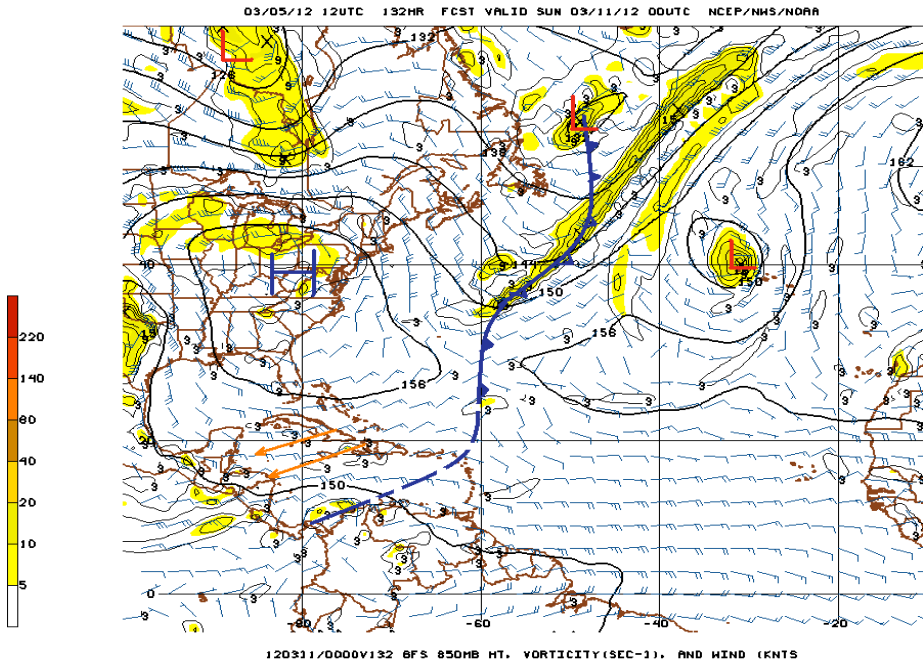
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**Fig. 2** GFS model 60 hour rainfall projection, showing previous 24-hour rainfall accumulations of 0.25-0.50 of an inch of rainfall over central & northern Belize, as of 6:00 pm, Wednesday, March 7, 2012, as quasi-stationary front lingers in the NW Caribbean, and a broad High off the Carolinas generate a moist NE'ly airstream over Belize.



**Fig. 3** NHC 72-hour forecast surface map valid for 6:00 am Thursday, March 8, 2012 showing broad, west Atlantic High pressure system generating a fresh ENE'ly airflow over Belize, favoring a few coastal showers.



**Fig. 4 GFS Model 850 mb (5,000 ft) level 132 hour vorticity projection valid for 6:00 pm Sunday, Mar. 11, 2012, showing trough of low pressure over the eastern Caribbean and another broad continental high over the US East coast generating a moist NE'ly aiflow over the NW Caribbean.**

### **Belize Five-day Outlook for Agriculture and Industry...**

<b>Mon</b>	<b>Tue</b>	<b>Wed</b>	<b>Thu</b>	<b>Fri</b>	<b>Sat</b>	<b>Sunday</b>
Mar. 5, 2012	Mar. 6, 2012	Mar. 7, 2012	Mar. 8, 2012	Mar. 9, 2012	Mar.10, 2012	Mar. 11, 2012
Cloudy & cool with rain over most districts	Cloudy and cool with showers and periods of rain, especially in the South	Cloudy & mild with rain, mostly along the coast and central highlands	Cloudy at times with some showers, mostly along the coastal zone	Sunny with cloudy spells. Some showers, mostly along the coast.	Sunny with cloudy spells. Some showers mostly along the coast.	Sunny with cloudy spells. Few showers mostly along the coast.
<b>Rainfall: 0.50-0.75 of-an-inch</b>	<b>Rainfall: 1.75-2.00 inches mostly South</b>	<b>Rainfall: 0.50-0.75 of-an-inch</b>	<b>Rainfall: 0.10-0.25 of-an-inch</b>	<b>Rainfall: 0.10-0.25 of-an-inch</b>	<b>Rainfall: 0.10-0.25 of-an-inch</b>	<b>Rainfall: 0.25-0.50 of-an-inch mostly central coast</b>

Monday  
 Mar. 5, 2012  
*R. Trues, Agrometeorologist/Hydrologist*