

WEEKLY WEATHER OUTLOOK BELIZE, CENTRAL AMERICA

PERIOD: Monday-Monday, July 16-23, 2012

DATE ISSUED: Monday, July 16, 2012 – 6:00 am

*RFRUTOS
ECOSOLUTIONS & SERVICES*

SYNOPSIS: A number of features of interest will influence the weather across the territory of Belize and its coastal waters this third week of July 2012. A weak surface low will persist over Belize through Wednesday. An active tropical wave will reach the area by Wednesday night, accompanied by a surge in the easterly trades over the NW and central Caribbean. These features will remain favorable for outbreaks of showers thunderstorms today through Thursday. An upper level trough will swing eastwards over the region on Friday and Saturday coupled with another vorticity maximum edging WNW just south of Belize (Figure 5 below).

A surge in the easterlies and an influx of moisture and instability is inducing outbreaks of showers and thunderstorms over the northern mainland and northern coastal waters today. The instability will persist on Tuesday, increasing later on Wednesday and Thursday with the approach and passage of an active Tropical wave (See Figure 2 & 3 below). Showers and thunderstorms will be locally concentrated over central and northern coastal areas at first then shifting to southern coastal areas on Wednesday and Thursday. The convective activity will become a bit more pronounced over the weekend and on Monday in association with an upper level trough moving slowly over the extreme NW Caribbean and northern Central America.

Daytime heating will add to the instability, inducing afternoon thunderstorms over inland areas of the Orange Walk, Cayo, western Stann Creek and Toledo districts. Expect some sunshine hours in the central and southern mainland and coastal waters today and Tuesday, and also on Friday. Otherwise, it will be generally cloudy over most areas this week.

Daily rainfall accumulations will range from 0.50-0.75 of-an-inch in the northern districts and northern coastal waters/Cayes on Monday and Tuesday. Elsewhere, rainfall totals will be 0.10-0.25 of-an-inch today and Tuesday. Most areas will see daily totals of 0.50-0.75 of-an-inch of rainfall on Wednesday through Monday of next week, with high amounts of 1.25-2.00 inches in the hilly terrain on Saturday through Monday. Runoff could be quick and flash floods possible. Remain vigilant this weekend and Monday!

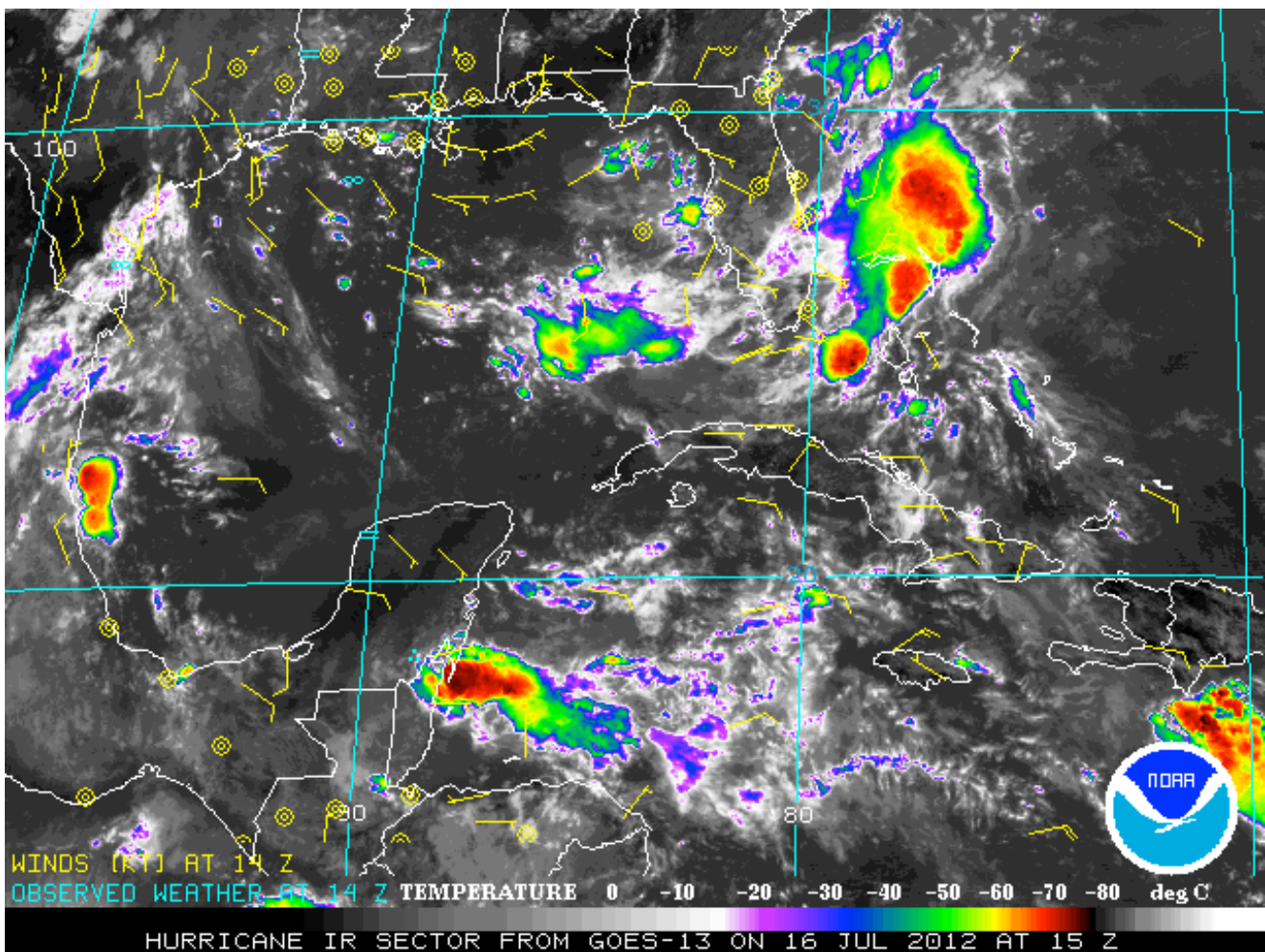









Figure 1 GOES IR Satellite picture for 9:00 am, Monday July 16, 2012, showing scattered, deep convections over and offshore northern coastal areas of Belize and San Pedro. This activity is drifting slowly westwards. Scattered, shallower convection noted in the NW Caribbean west of 80W longitude.

Belize Seven-day Outlook for Agriculture and Industry...

Mon	Tue	Wed	Thu	Fri	Sat	Sun
July 16, 2012	July 17, 2012	July 18, 2012	July 19, 2012	July 20, 2012	July 21, 2012	July 22, 2012
						
Sunny with cloudy periods; Showers & thunderstorms northern areas & sea	Cloudy with sunny periods; Showers & coastal areas & sea	Cloudy with sunny spells. Scattered showers & thunderstorms mostly central coasts	Cloudy with scattered showers & thunderstorms mostly along the coast & south	Sunny with cloudy periods. Few showers & thunderstorms mostly central & southern coast	Cloudy with sunny spells. Several showers & thunderstorms along the coast & South	Cloudy. Expect outbreaks of showers & thunderstorms especially in the South & central areas
Rainfall: 0.50-0.75 of-an inch	Rainfall: 0.50-0.75 of-an- inch	Rainfall: 0.50-1.00 inch	Rainfall: 0.50-1.00 inch	Rainfall: 0.25-0.50 inch	Rainfall: 0.75-1.00 inch	Rainfall: 1.25-2.00 inch

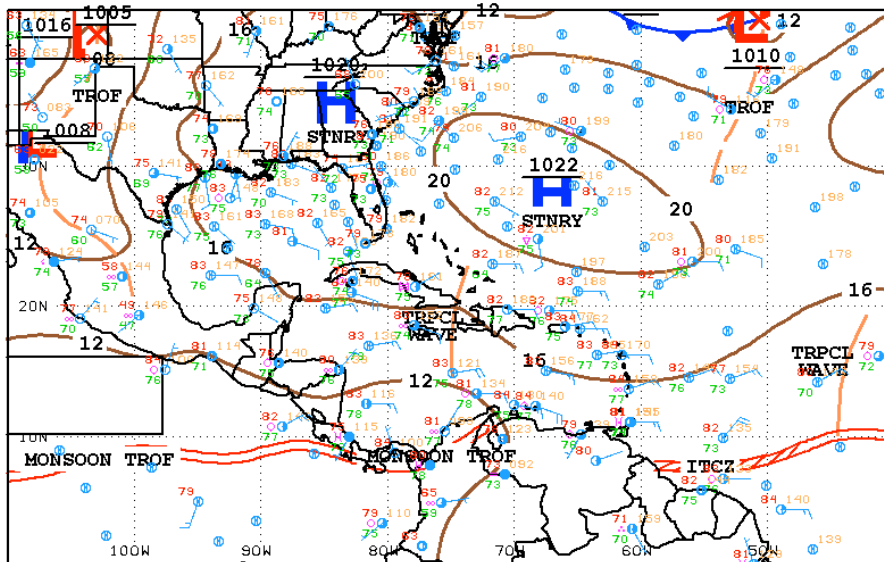


Figure 2 Surface map valid for 6:00 am Monday, July 16, 2012, showing active TW approaching eastern Cuba and Jamaica. This TW will reach Belize late Wednesday and early Thursday.



12Z SOUTHWEST NORTH ATLANTIC SFC ANALYSIS
ISSUED:
trop_16_12.v9f

NATIONAL HURRICANE CENTER
MIAMI, FLORIDA
BY TRFB ANALYST: GARCIA
COLLABORATING CENTERS: NHC OPC HPC

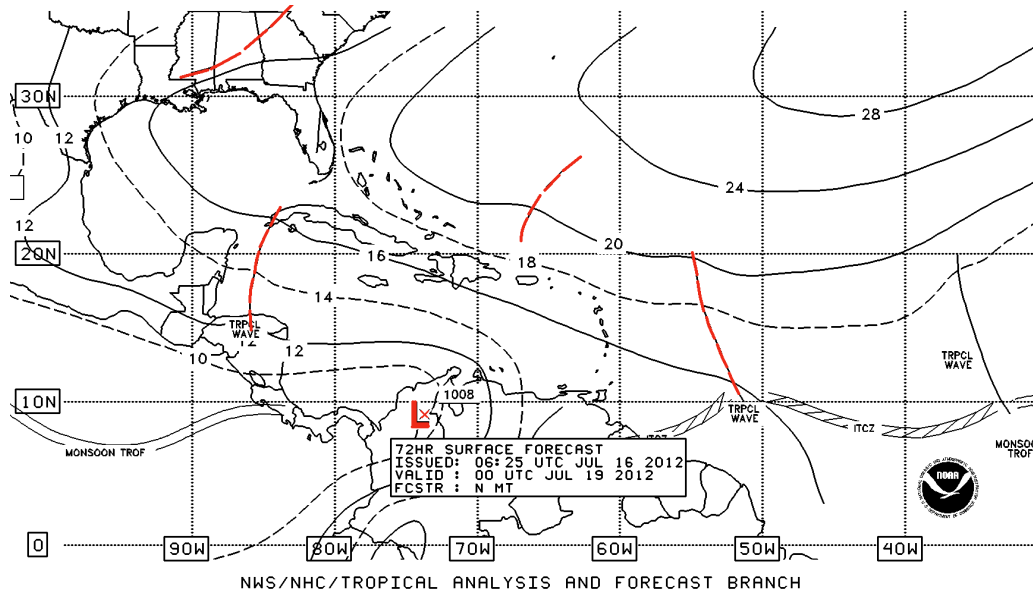


Figure 3 NHC 72-hr forecast surface map, valid for 6:00 pm Wednesday, July 18, 2012, showing an active TW approaching Yucatan and Belize.

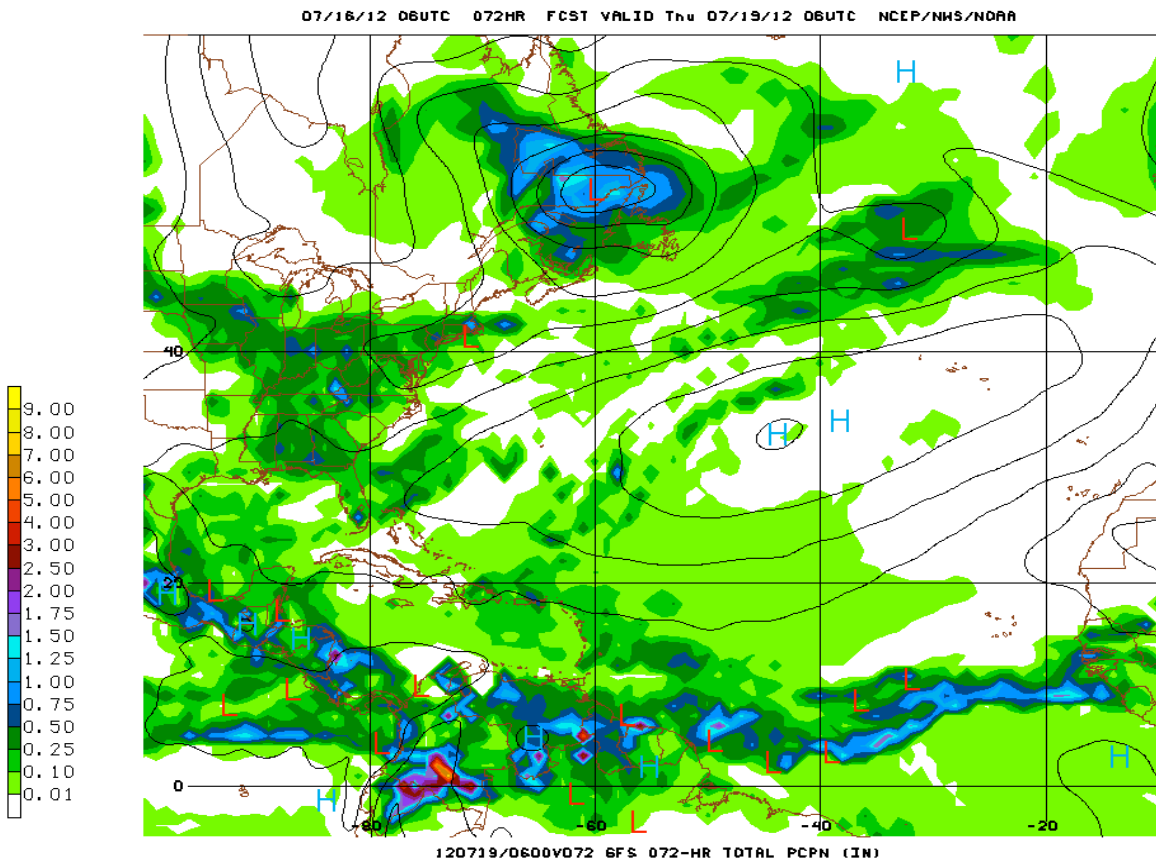


Figure 4 GFS model daily rainfall projection at 72 hours ending 12:00 am, Thursday July 19, 2012, showing Low over Belize, resulting in daily rainfall of 0.75-1.25 inches over central & southern coast of Belize for the period Wednesday night until Thursday night.

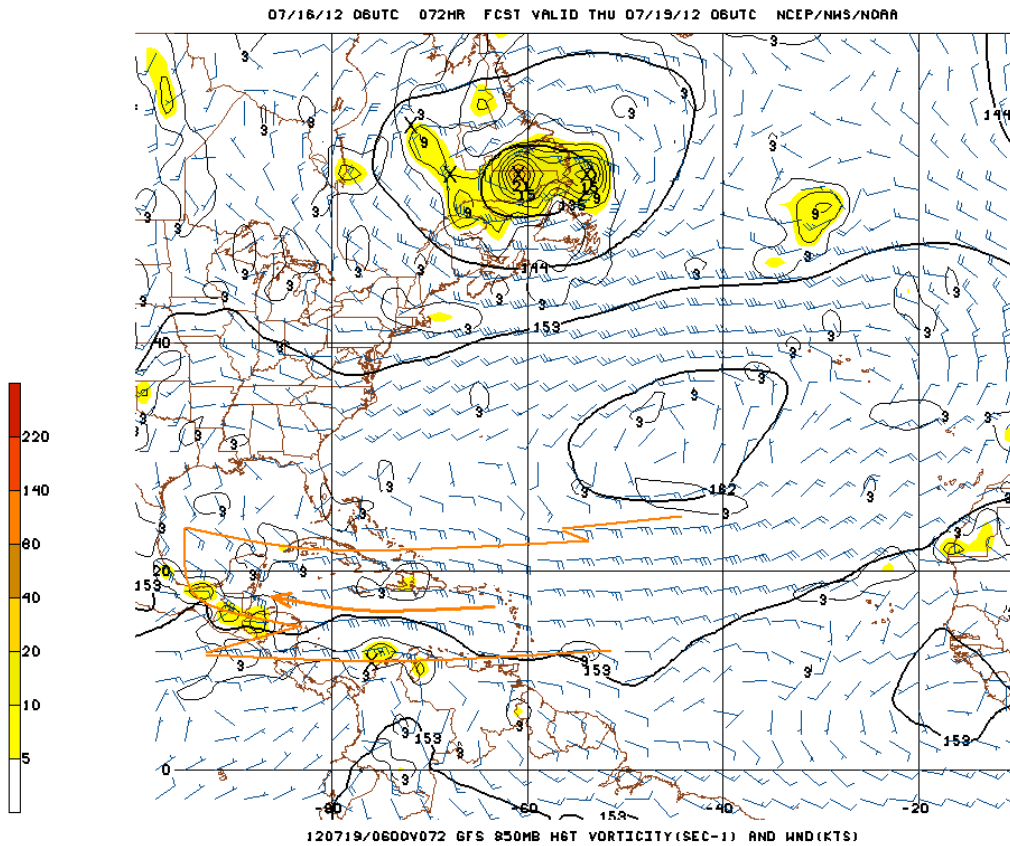


Fig. 5 GFS Model 72-hr vorticity projection at 5,000 ft level or 850 mb, valid for 12:00 am Thursday, July 19, 2012, showing vorticity maximum (or low pressure center) just south of Belize, with leading edge of wind surge moving across the southern Gulf of Mexico. Vorticity max depicted in yellow shadings with the center marked with an 'x'

OUTLOOK FOR THE MAIN DEVELOPMENT REGION (MDR) OF THE TROPICAL ATLANTIC BASIN

TTAA00 KNHC DDHMM

TROPICAL WEATHER OUTLOOK
 NWS NATIONAL HURRICANE CENTER MIAMI FL
 800 AM EDT MON JUL 16 2012... 6:00 am Local Time Belize

FOR THE NORTH ATLANTIC...CARIBBEAN SEA AND THE GULF OF MEXICO...

TROPICAL CYCLONE FORMATION IS NOT EXPECTED DURING THE NEXT 48 HOURS.

FORECASTER BROWN