Central America Flash Flood Guidance System: CAFFG Forecaster Interface

Hydrologic Research Center

CAFFG SCM1

03-05 MAY 2017

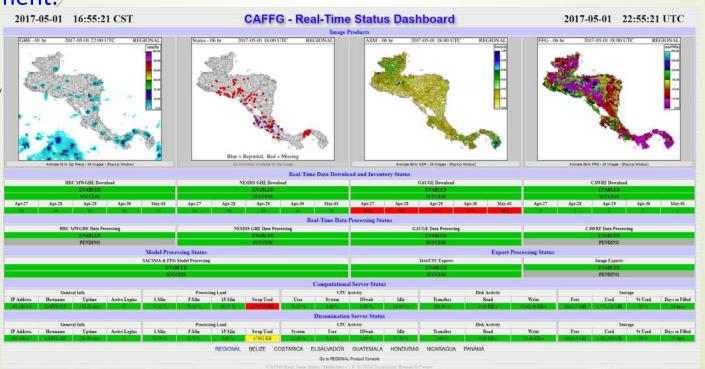
San Jose, COSTA RICA

Flash Flood Guidance System User Interfaces

The FFGS User Interfaces are secure web-based interfaces designed to provide visual overview of system processing status and current (and historical) system products for IT and forecasting personnel.

As of last few weeks, CAFFG System and Interfaces are operational at the Regional Center at San Jose, Costa Rica.

1. DASHBOARD – gives an overview of processing status for Forecasters and IT management.



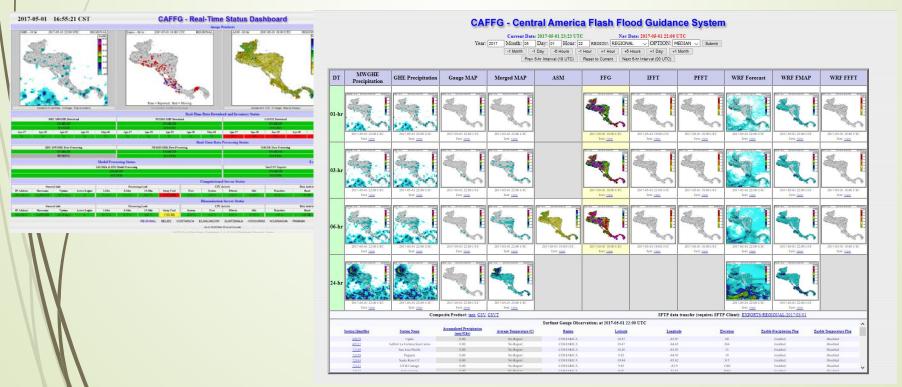
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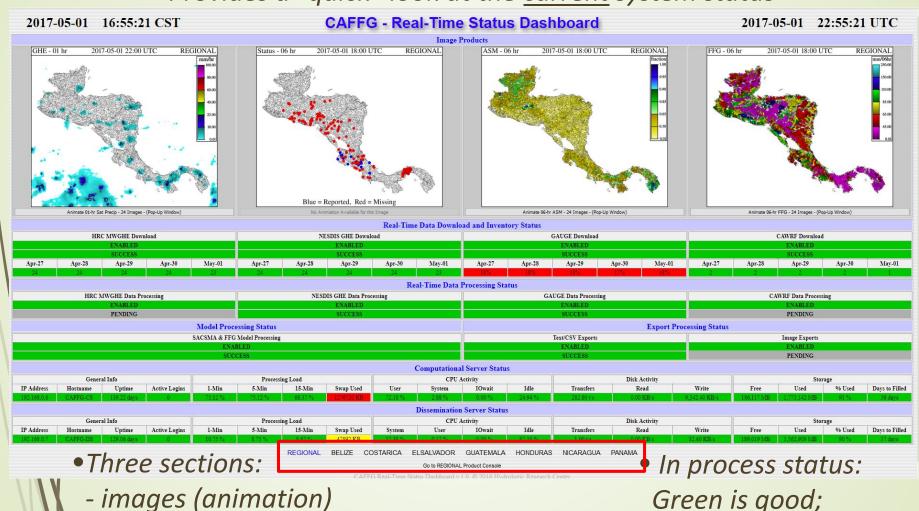
1. DASHBOARD

2. PRODUCT CONSOLE – forecaster interface



CAFFG System Dashboard

Provides a "quick" look at the current system status

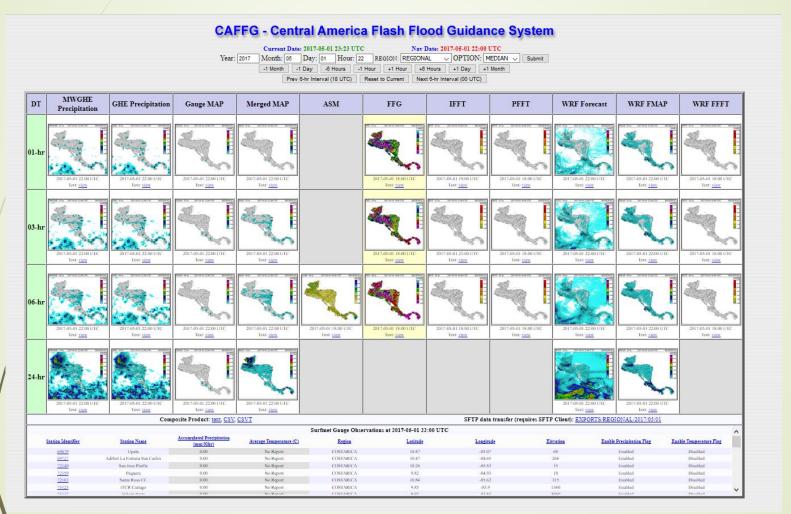


- process status

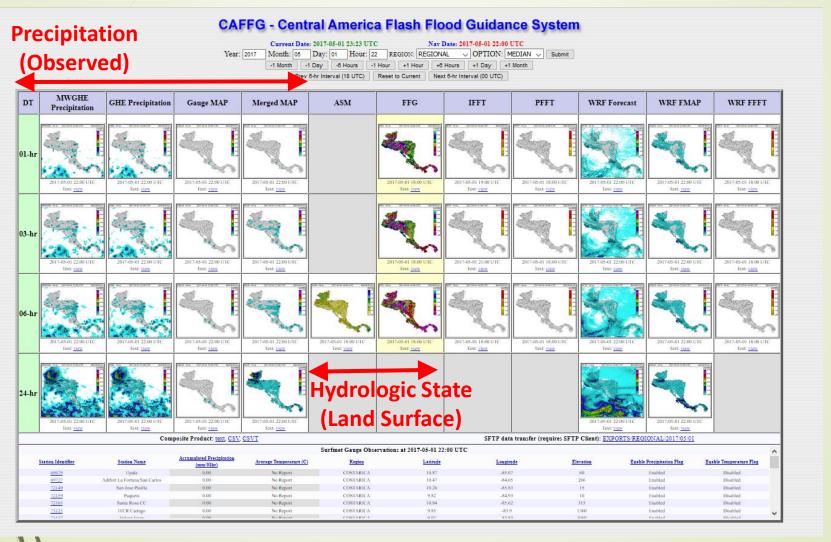
- navigation

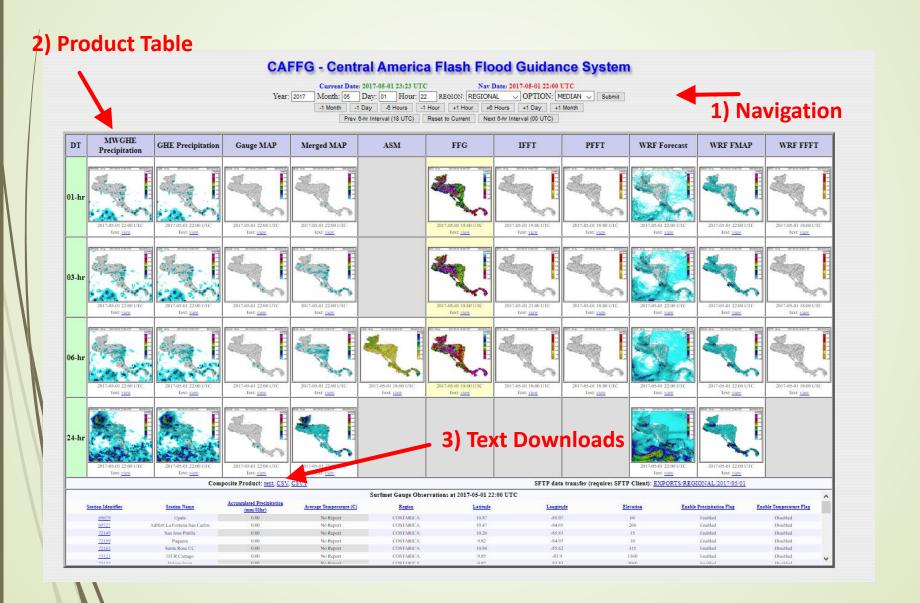
Green is good; Red is concern.

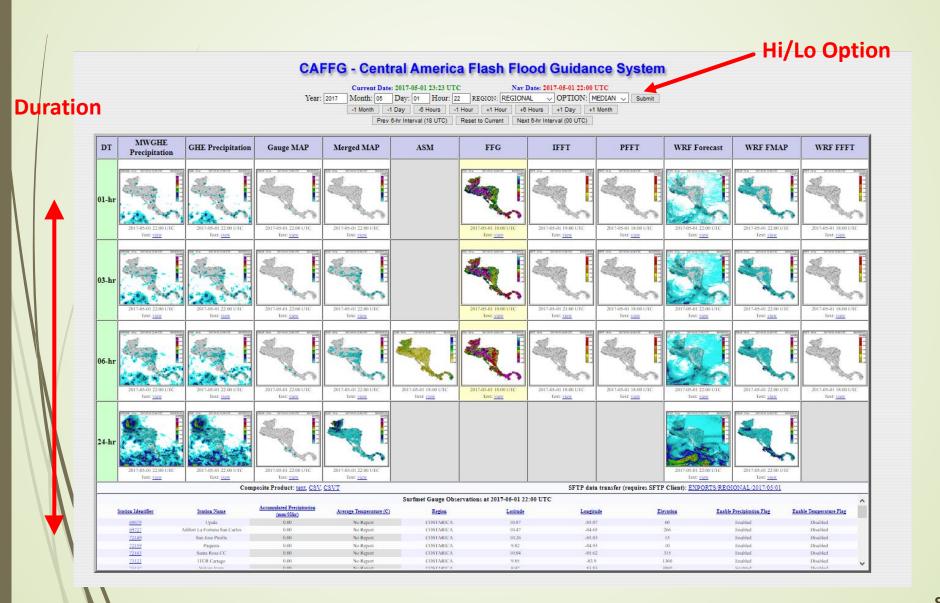
Provides relevant information for operational forecasters to assess the potential for flash flooding.



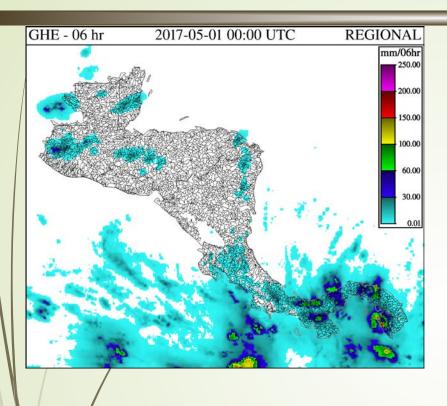
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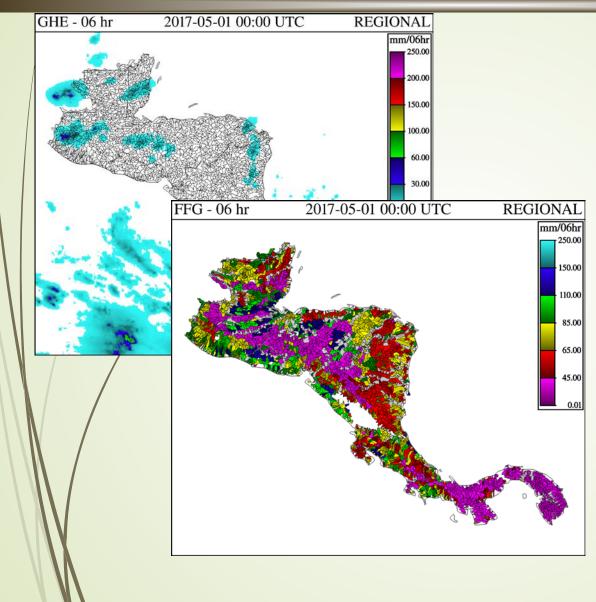


CAFFG Product Console – Examples of Individual Products



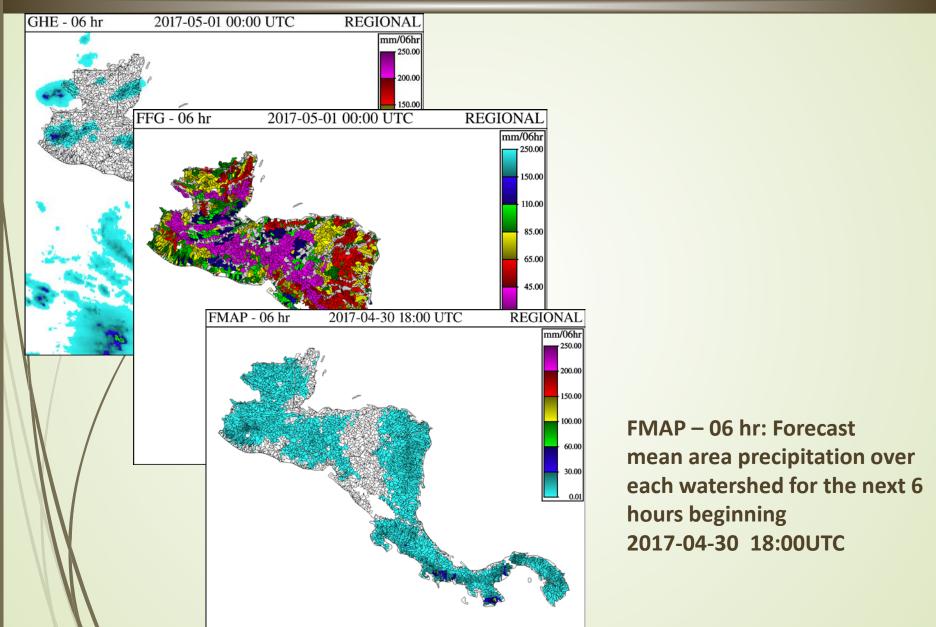
GHE – 06 hr: gridded satellite estimate of observed precipitation for the 6-hr accumulated precipitation ending on 2017-05-01 00:00UTC

CAFFG Product Console – Examples of Individual Products



FFG – 06 hr: Flash flood guidance Amount of rainfall over basin in the next 6 hours necessary to produce bankfull conditions in the stream at the watershed outlet. Valid for 2017-05-01 00:00UTC

CAFFG Product Console – Examples of Individual Products



CAWRF

Nested design

Outer Grid: 150 x 150

18km resolution

Inner Grid: 310 x 256,

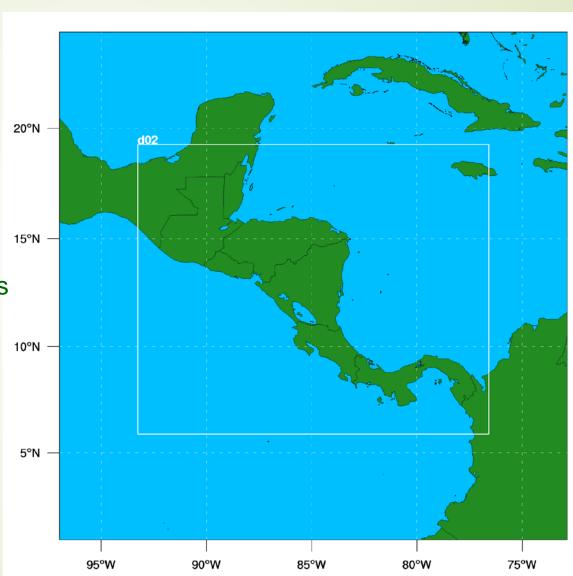
6km resolution

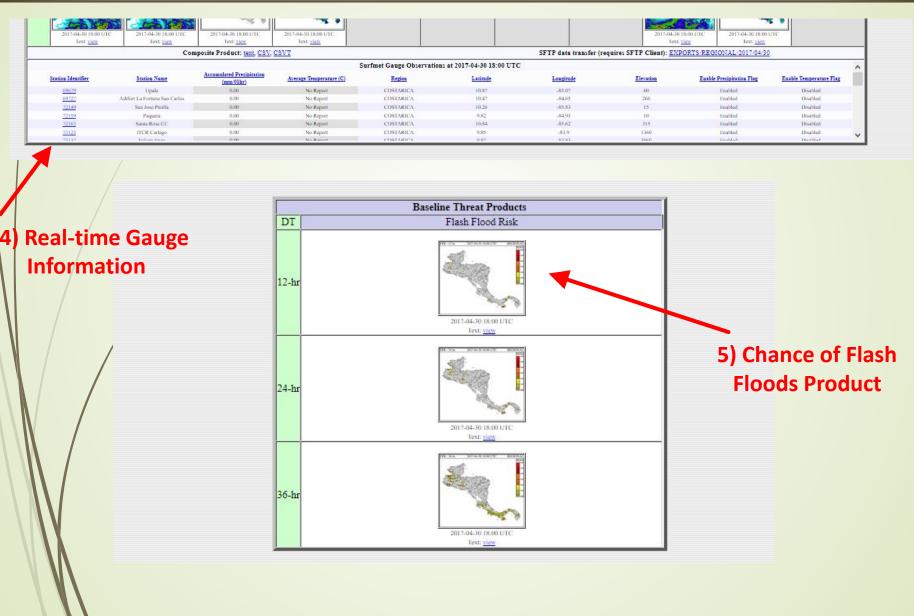
Forecast lead time of 48-hours

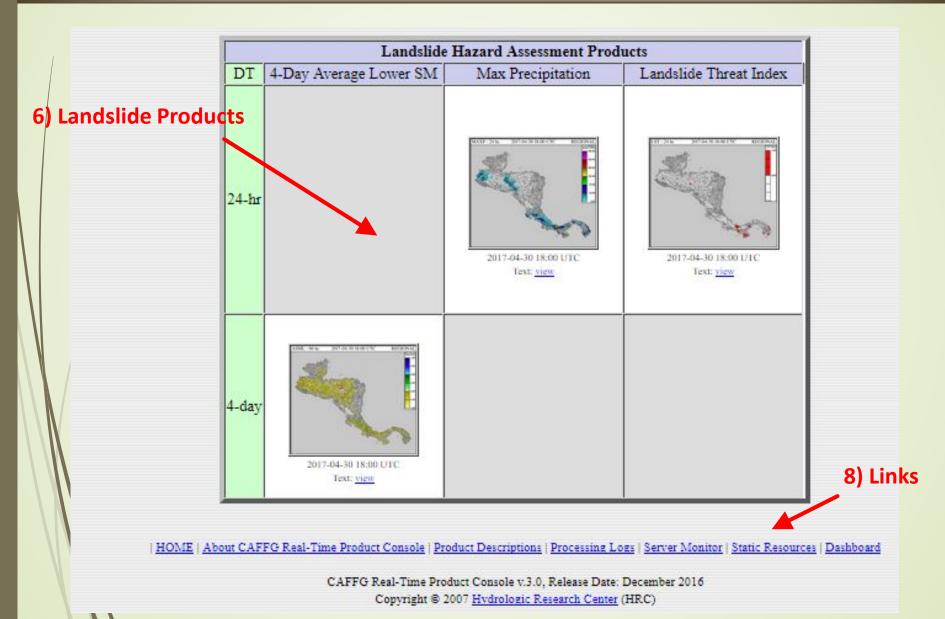
2 Forecasts per day

Forcing from NCEP's GFS

0.59 resolution)







Introduction to the CAFFG System User Interfaces



THANK YOU for your kind attention