

26 April 2016

# SAsiaFFG Status

*Konstantine P. Georgakakos; email: [Kgeorgakakos@hrcwater.org](mailto:Kgeorgakakos@hrcwater.org)  
Hydrologic Research Center, San Diego, CA 92130, USA; <http://www.hrcwater.org>*

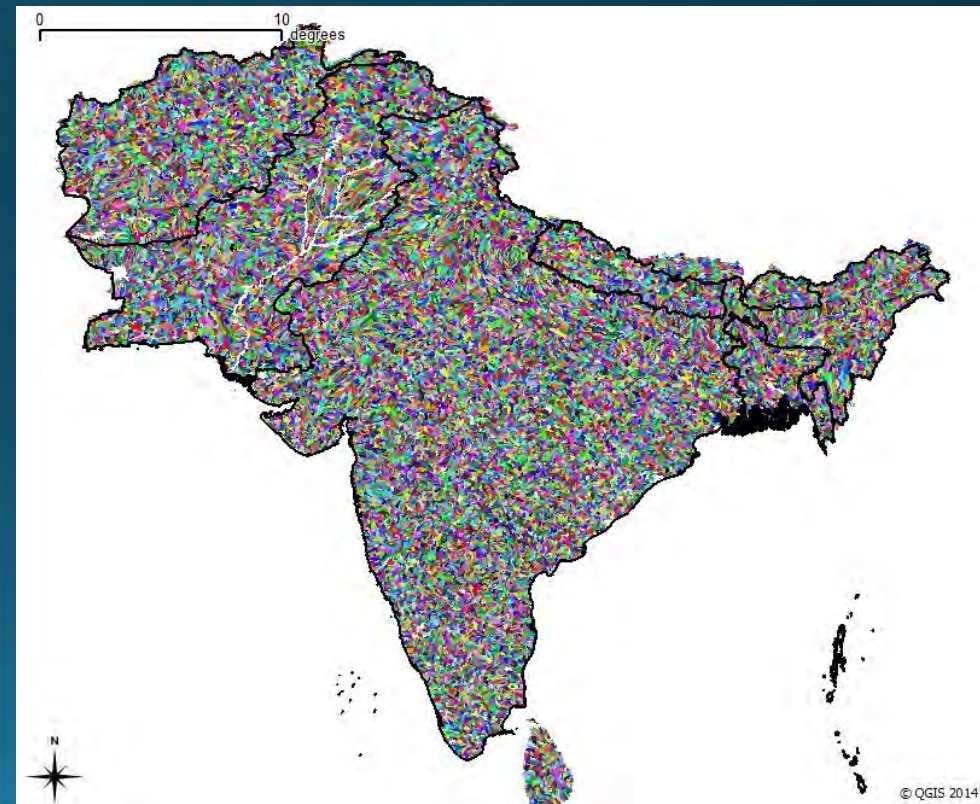
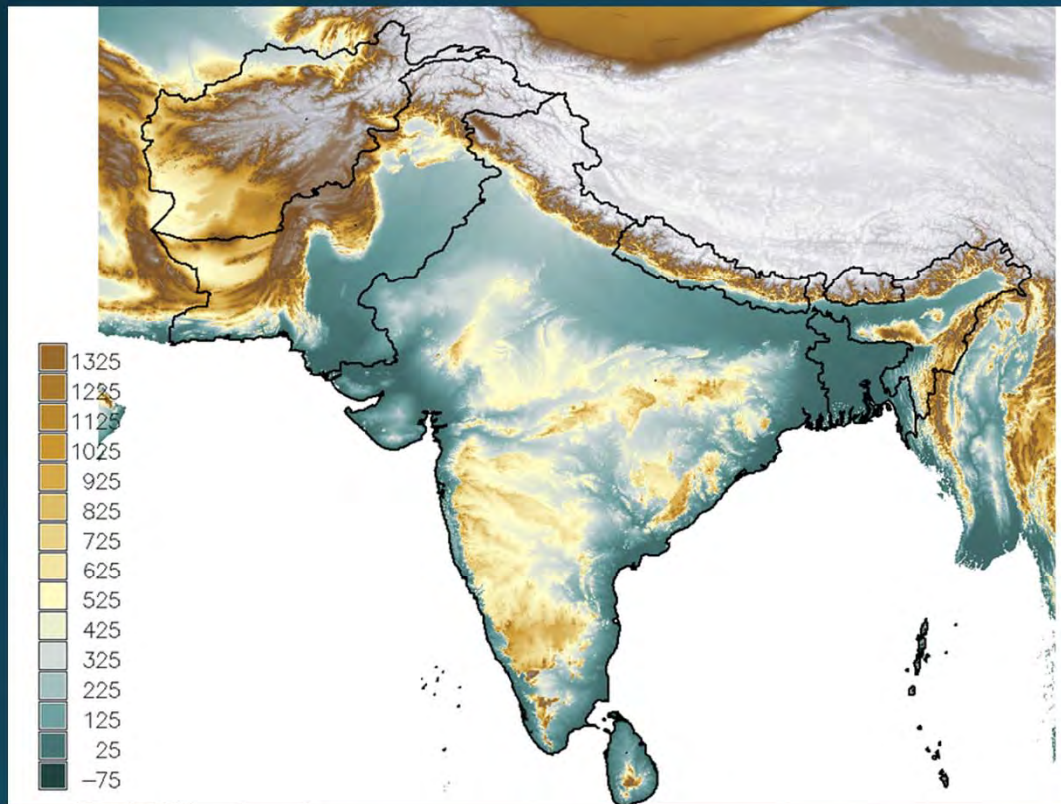
# Development Items Completed

All development on the basis of global databases - No Regional Data has been included (apart of Pakistan)

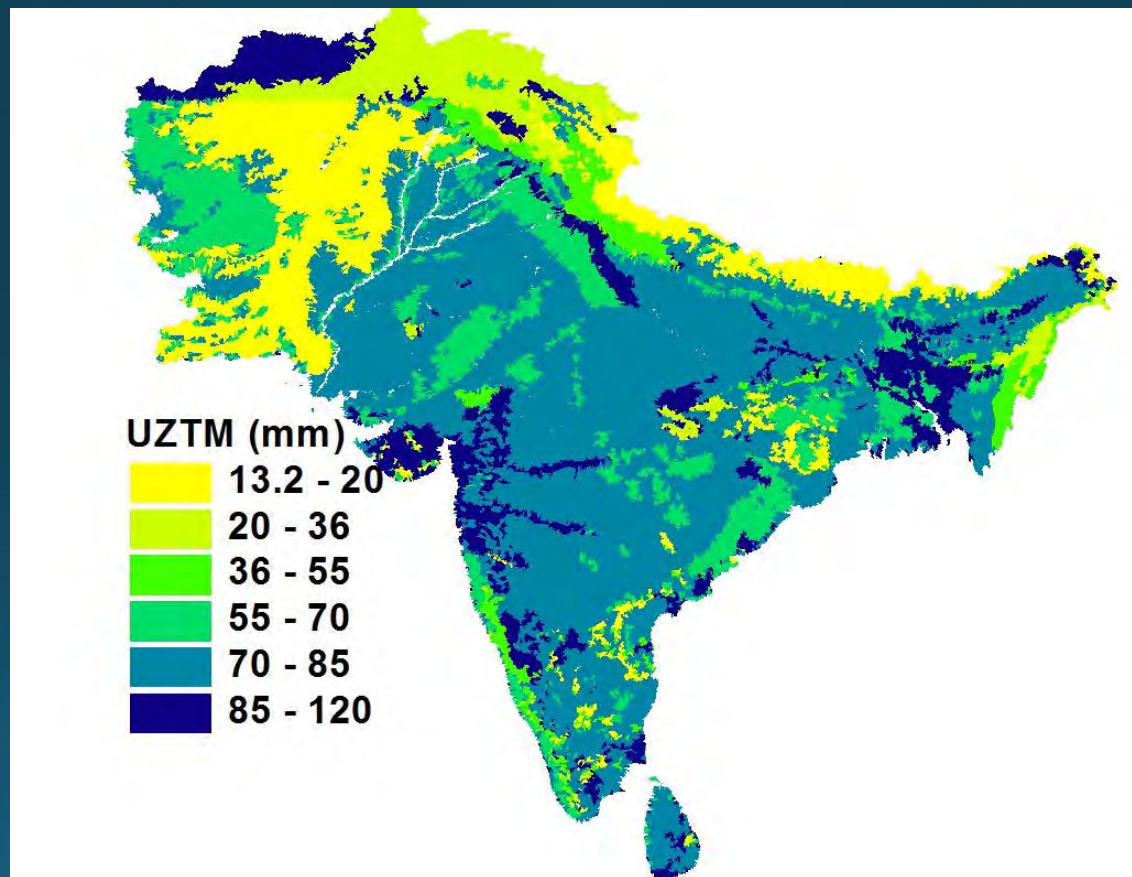
1. Completed (a) the delineation of ~42,000 basins with average area 100-150 km<sup>2</sup> using SRTM 90-m quality-controlled digital terrain elevation data and (b) the initial adjustments on the basis of global data of river topology and google earth scenes
2. On the basis of FAO soil-texture maps and land-use and land-cover maps, initial parameters for the hydrologic model components have been estimated and implemented in the parametric databases
3. Completed the incorporation the real-time IR-based and MW-based satellite precipitation products for the estimation of the Mean Areal Precipitation (MAP) over each basin.
4. Developed the forecaster panel for snow products and information including the satellite-based IMS product
5. Developed the tailored forecaster interface of the FFG system for South Asia region and for each country in the region
6. Developed the tailored system dashboard of the FFG system for South Asia region and for each country in the region
7. Provided Introduction to the system and first product training at the Project Kick-off meeting in Nepal in 2012.

# Development Status - Basin Delineation

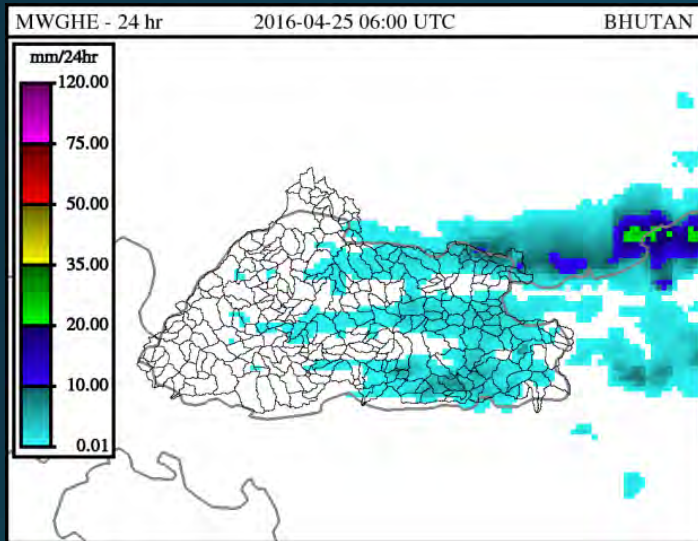
Afghanistan, Bangladesh, Bhutan, India, Nepal, Pakistan, and Sri Lanka



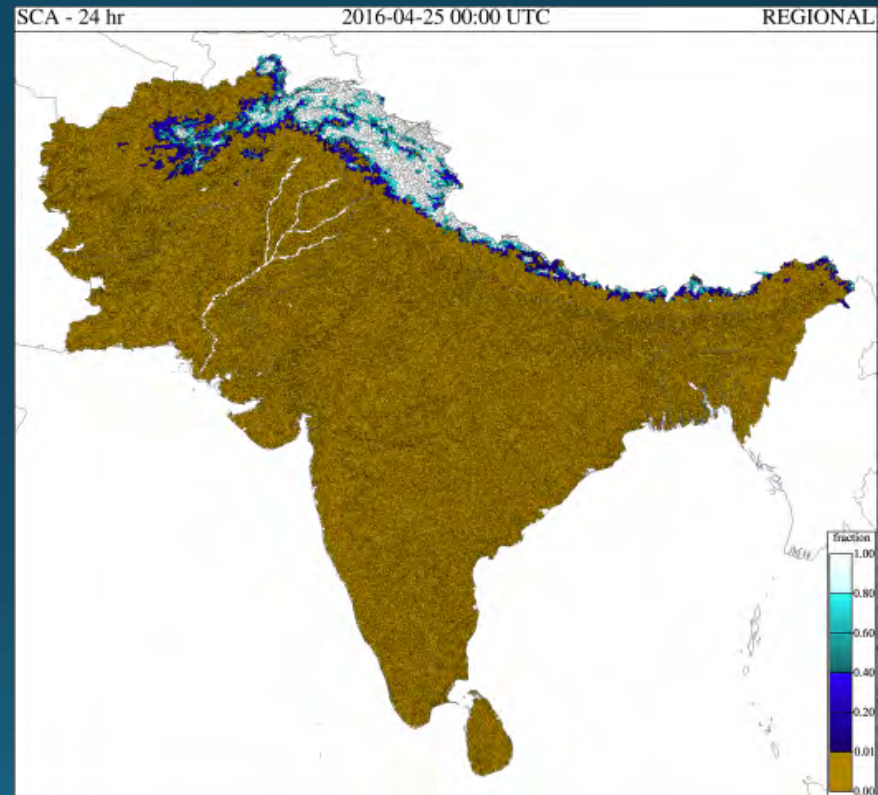
# Development Status – Initial Model Parameter Estimation



# Development Status – Satellite Precipitation and Snow Cover Products



Microwave adjusted Global Hydro-Estimator (CMORPH and GHE)

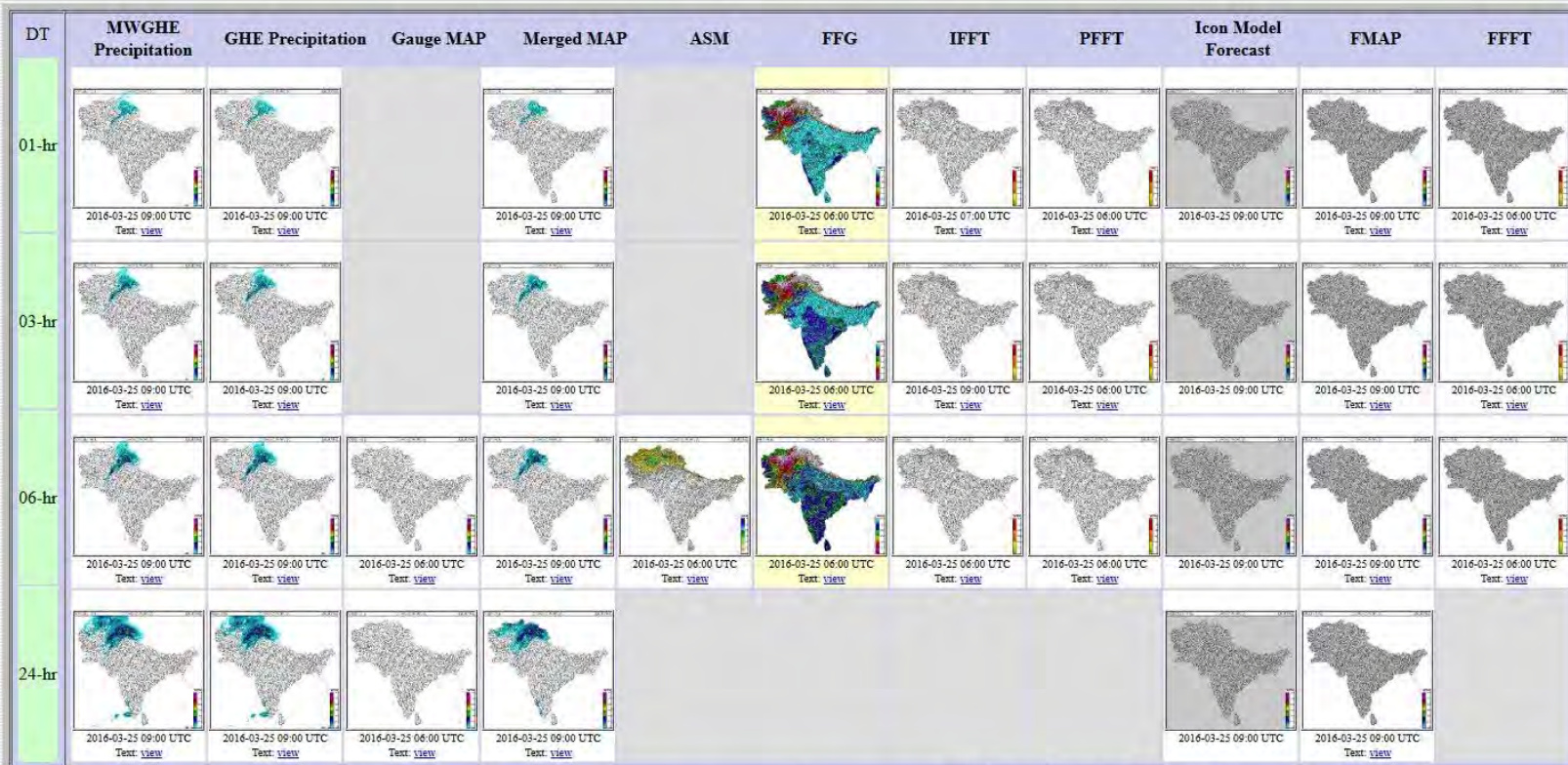


Interactive Multisensor Snow and Ice Mapping System (IMS)

# Development Status – Forecaster Interface Main Panel

## SAsia-FFG - South Asia Flash Flood Guidance System

Current Date: 2016-04-25 09:48 UTC      Nav Date: 2016-03-25 09:00 UTC  
 Year: 2016    Month: 03    Day: 25    Hour: 09    REGION: REGIONAL    Submit  
 -1 Month   -1 Day   -6 Hours   -1 Hour   +1 Hour   +6 Hours   +1 Day   +1 Month  
 Prev 6-hr Interval (06 UTC)    Reset to Current    Next 6-hr Interval (12 UTC)



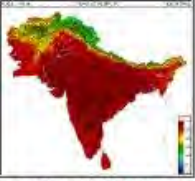
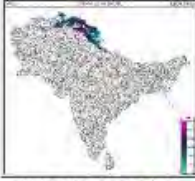

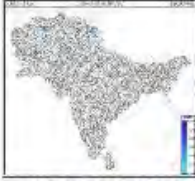
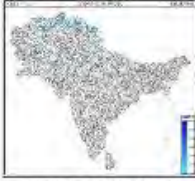
Composite Product: [text](#), [CSV](#), [CSVt](#)

SFTP data transfer (requires SFTP Client): [EXPORTS REGIONAL 2016-03-25](#)

Surfmet Gauge Observations at 2016-03-25 06:00 UTC

Station Identifier	Station Name	Accumulated Precipitation (mm/6hr)	Average Temperature (C)	Region	Latitude	Longitude	Elevation	Enable Precipitation Flag	Enable Temperature Flag
No reports for region	No reports for region	No reports for region	No reports for region	No reports for region	No reports for region	No reports for region	No reports for region	No reports for region	No reports for region

# Development Status – Forecaster Interface Snow Panel

Snowpack Products				
DT	Gauge MAT	Latest IMS SCA	SWE	Melt
06-hr	 2016-04-25 06:00 UTC <a href="#">Text: view</a>		 2016-04-25 06:00 UTC <a href="#">Text: view</a>	
24-hr		 2016-04-25 00:00 UTC <a href="#">Text: view</a>		 2016-04-25 06:00 UTC <a href="#">Text: view</a>
4-day				 2016-04-25 06:00 UTC <a href="#">Text: view</a>

[HOME](#) | [About SASIAFFG Real-Time Product Console](#) | [Product Descriptions](#) | [Processing Logs](#) | [Server Monitor](#) | [Static Resources](#) | [Dashboard](#)

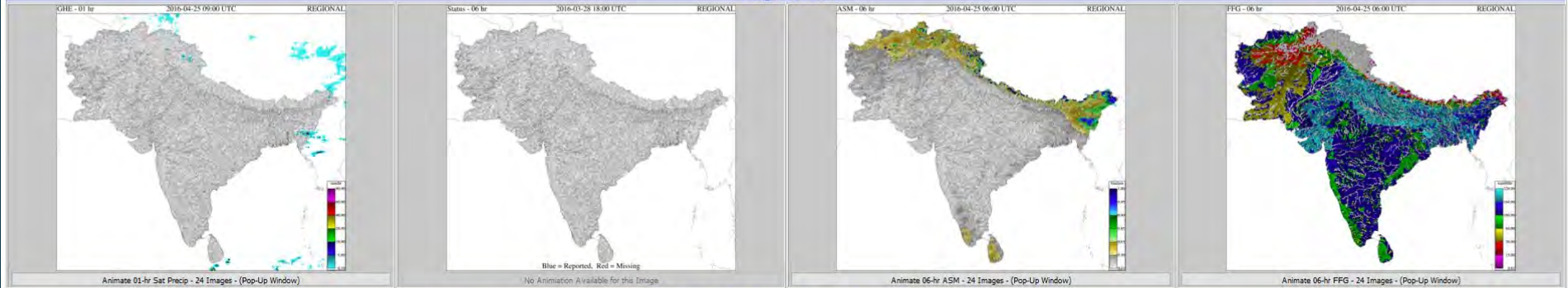
SASIAFFG Real-Time Product Console v.1.0, Release Date: March 2014  
Copyright © 2014 [Hydrologic Research Center \(HRC\)](#)

# Development Status - Dashboard

## SAsia-FFG - South Asia Flash Flood Guidance System

2016-04-25 10:01:26 UTC

### Image Products



### Real-Time Data Download and Inventory Status

HRC MWGHE Download					NEDIS GHE Download					GAUGE Download					IMS Download					Forecast Download				
ENABLED					ENABLED					ENABLED					ENABLED					DISABLED				
SUCCESS					SUCCESS					SUCCESS					SUCCESS					SUCCESS				
Apr-21	Apr-22	Apr-23	Apr-24	Apr-25	Apr-21	Apr-22	Apr-23	Apr-24	Apr-25	Apr-21	Apr-22	Apr-23	Apr-24	Apr-25	Apr-21	Apr-22	Apr-23	Apr-24	Apr-25	Apr-21	Apr-22	Apr-23	Apr-24	Apr-25
24	24	24	24	10	24	24	24	24	10	0%	0%	0%	0%	0%	0	0	0	0	0	0	0	0	0	0

### Real-Time Data Processing Status

HRC MWGHE Data Processing		NEDIS GHE Data Processing		GAUGE Data Processing		IMS Data Processing	
ENABLED	PENDING	ENABLED	SUCCESS	ENABLED	SUCCESS	ENABLED	SUCCESS

### Model Processing Status

SNOW Model Processing		SACSMA & FFG Model Processing	
ENABLED	SUCCESS	ENABLED	SUCCESS

### Export Processing Status

Text/CSV Exports		Image Exports	
ENABLED	SUCCESS	ENABLED	PENDING

### Computational Server Status

General Info				Processing Load				CPU Activity				Disk Activity			Storage			
IP Address	Hostname	Uptime	Active Logins	1-Min	5-Min	15-Min	Swap Used	User	System	IOWait	Idle	Transfers	Read	Write	Free	Used	% Used	Days to Filled
134.185.140.74	SAsia-FFG-CS	293.99 days	0	56.67%	48.30%	40.12%	101.740 KB	32.71%	9.61%	0.00%	57.68%	121.20 t/s	1.60 KB/s	4.408.80 KB/s	4.558.280 MB	1.876.767 MB	27215 %	305 days

### Dissemination Server Status

General Info				Processing Load				CPU Activity				Disk Activity			Storage			
IP Address	Hostname	Uptime	Active Logins	1-Min	5-Min	15-Min	Swap Used	System	User	IOWait	Idle	Transfers	Read	Write	Free	Used	% Used	Days to Filled
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

REGIONAL [AFGHANISTAN](#) [BANGLADESH](#) [BHUTAN](#) [INDIA](#) [NEPAL](#) [PAKISTAN](#) [SRILANKA](#)

[Go to REGIONAL Product Console](#)

SASIAFFG Real-Time Status Dashboard v1.0 © 2013 Hydrologic Research Center  
This page will automatically refresh every 60 seconds.



# Thank you

