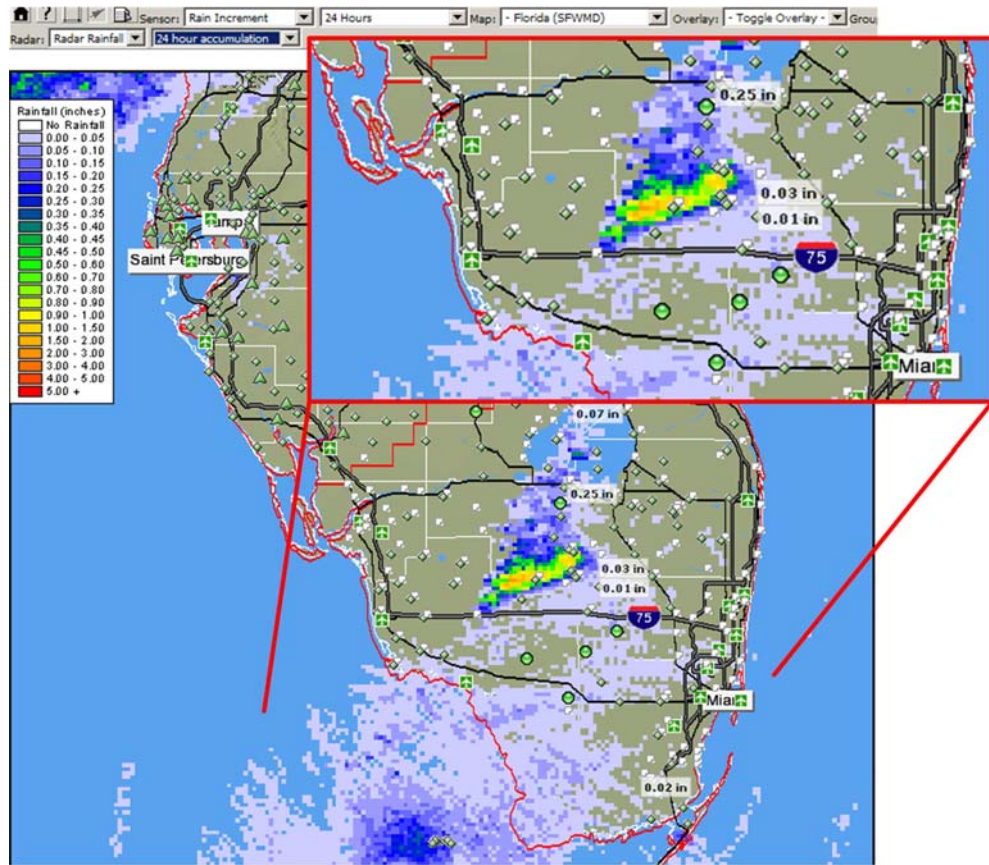


# CONTRAIL® WEB VERSION 2.2

YOUR DATA. ANYTIME. ANYWHERE.



24-hour gage-adjusted radar rainfall accumulation for a storm event in Florida.

**Contrail Web version 2.2** introduces significant advancements in how we visualize information via the web. Contrail Web provides real-time access to OneRain's Harbor, our secure 24/7-monitored national rainfall database. A big change is the new, Contrail-integrated radar rainfall layer. Subscribing users can now view gage-adjusted radar rainfall together with information from rain gages and other sensor types. In the above example, 24-hour radar rainfall accumulations are shown for a recent storm event over southern Florida.

## Automated Alarms, Notifications and Display

We've improved our users' capabilities to quickly comprehend individual site information. Every new measurement received from a sensor within the OneRain Harbor is checked against our users' pre-defined limits. If an alarm triggers early in the morning, responders now have an easy, map-based display so they can quickly understand the situation. When an alarm condition is detected, text alerts are sent out via the Internet and user-defined color and shape coding is applied to the map-based icon. The alerted user(s) can now find the troubled site on their map at a glance.



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Hovering over the icon displays the alarm condition. Clicking on the icon drills down to the site summary page where each sensor's last reported value and current status are displayed. New in version 2.2 is the graphical representation of each sensor's status and sensor ID. Clicking on the link for an individual sensor drills down one more level to a 24-hour history for that sensor.

**Site: Green Ditch (4590)**

Menu		Site Information				
<a href="#">Home</a>		<b>Location:</b>	<a href="#">Green Ditch</a>			
<a href="#">Maps</a>		<b>Site ID:</b>	4590			
<a href="#">Sites</a>		<b>Latitude:</b>	N 40:02:12 (40.0364)			
<a href="#">Graphs</a>		<b>Longitude:</b>	W 105:12:14 (-105.204)			
<a href="#">News</a>		<b>Elevation:</b>	5154 ft.			
<a href="#">Help</a>		Active Alarms				
<a href="#">Administration</a>		<b>Sensor</b>	<b>Triggered</b>	<b>Acknowledged</b>	<b>Cleared</b>	<b>Alarm</b>
<a href="#">Links</a>		<a href="#">Green Ditch Stage</a>	2007-02-26 09:25:23	<a href="#">Acknowledge</a>		Alarm Test
<a href="#">Precipitation</a>		Sites				
<a href="#">Stream</a>		<b>Sensor</b>	<b>Type</b>	<b>Sensor ID</b>	<b>Last Report</b>	<b>Status</b>
<a href="#">2.1 [Sprite]</a>		<a href="#">Green Ditch 24hr Stage avg</a>	Stage	4593-21	1.81 ft	
<a href="#">2km National Radar Animation</a>		<a href="#">Green Ditch Battery</a>	Battery	4595	13.8 V	
		<a href="#">Green Ditch Flow</a>	Flow Volume	4594	35.64 cfs	
		<a href="#">Green Ditch Stage</a>	Stage	4593	1.76 ft	

Conrail Web can be set up to require acknowledgement from at least one alarm recipient. Should this not happen within a pre-defined period of time, an escalation to additional recipients can take place. Escalation can help ensure that someone will see and take action on critical information.

Alarm administration has been simplified with drop-down menus and the ability for administrators to establish pre-defined alarm rules for common events.

**Green Ditch Stage**

Alarm Type: Streamflow High

Streamflow High

Select

alarm

avisowatch import

Battery Low

Heartbeat

Intrusion Alarm

Low Battery

Maintenance Required

Notification

Out of Range

Out of Service

Precipitation High

Rate of Rainfall

Reservoir Drop

Reservoir High

Reservoir Increase

Siren On

Status Alarm

Streamflow High

Test

Test Precipitation

Test PT

Test Stage

Test Trigger

Wind High

Knowlege  Auto Clear

Equal < == > )

Equal < == > )

**Rule Summary**

Location: Green Ditch

Sensor: Green Ditch Stage

Last Report: 2007-02-27 13:22:31

**Alarm Manager**

Select

## ENHANCED REPORTS AND GRAPHS

We've also enhanced our Users' Conrail Web graphing tools. Now, up to two sensor classes and a total of six sensors can be selected and co-plotted. In the following example, six air temperature sensors from Colorado's Front Range system have been selected for graphing over a four-day period.

**Menu**  
Home  
Maps  
Sites  
Graphs  
News  
Help  
Administration  
**Links**

**Graph Data**

**Group:** Urban Drainage and Flood Control...

**Site:** Apex  
Aurora FS 12  
Aurora FS#7  
Aurora Res Wx  
Bear Creek @ Cub **Select Site**

**Sensor:** Air Temperature(Air temperature)  
Battery(Battery voltage)  
Rain Accumulation(Precipitation accumulation)  
Rain Increment(Precipitation increment)  
Relative Humidity(Relative humidity) **Select Sensor**

**Threshold:**

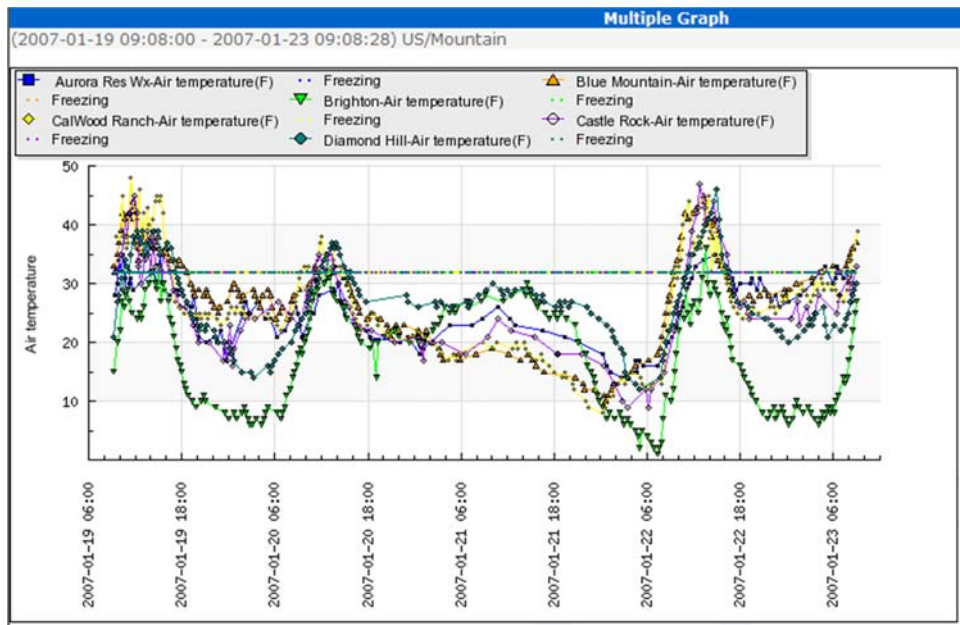
**Queue:** Aurora Res Wx - Air Temperature(Air temperature)  
Blue Mountain - Air Temperature(Air temperature)  
Brighton - Air Temperature(Air temperature)  
CalWood Ranch - Air Temperature(Air temperature)  
Castle Rock - Air Temperature(Air temperature)  
Diamond Hill - Air Temperature(Air temperature) **Listing of Sensors to be Graphed**

**Start Time:** 2007-01-19 09:08:00 **User Selected Time Span**

**End Time:** 2007-01-23 09:08:28 **User Selected Time Span**

**Graph** **Reset**

Conrail Web Graphs are easy to read and do not require any specialized software. As always, data can be exported into Excel or CSV format for further processing outside of Conrail Web.



In the above example, freezing has been defined as a threshold value for each of these sensors. These thresholds can be aligned with alarms, enabling easy visualization of site conditions.

Conrail Web is the tool of choice for easy visualization of rainfall information.  
Please contact us to schedule a free on-line demonstration.



**EXPERTS MEASURING RAINFALL AND ITS CONSEQUENCES**