

**C**onsolidated

**A**viation

**W**eb

**S**ervices

Aviation Weather  
Community Forum

**Clinton Wallace**

**Aviation**

**Weather**

**Center**



# CAWS Integration

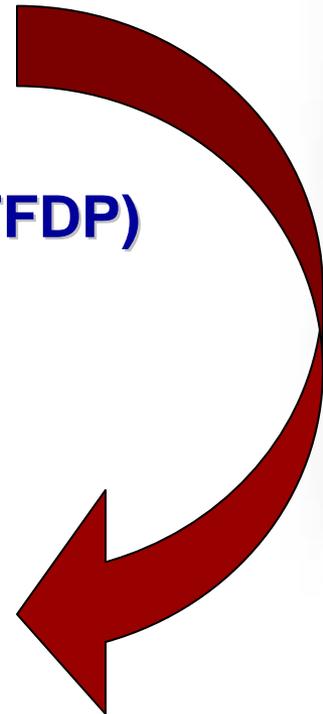
## Consolidated Aviation Web Services (CAWS)

- AviationWeather.gov
- Aviation Digital Data Services (ADDS)
- International Flight Folder Document Program (IFFDP)



**NWS Web Farms**

**Integration to achieve  
QICP reliability standards**



# CAWS Vision

- ➔ **One**
- ➔ **Place for**
- ➔ **Government**
- ➔ **Aviation**
- ➔ **Weather**
- ➔ **On The**
- ➔ **Web**



# QICP Certification



## FAA Internet Services Standard for Reliability, Accessibility & Security

**10**

**No single outage longer than 10 minutes**

**30**

**Three month cumulative outages not to exceed 30 minutes**

**2**

**Accessibility: 2-minute transaction time**



**Security: SSL maintains data integrity**

# CAWS/QICP Benefits

## QICP Certification

- Usage by commercial operators authorized
- 
- 

### Integration

- Fully integrated with NWS Web Farms
- Benefits the entire NWS aviation program

### Scalability

- Enables continuing growth
- Relieves system load

### Affordable

- Leverages National hardware/software and IT functions
- Economy of scale

### Redundancy

- Three locations with global load balancing

# NWS Web Farms

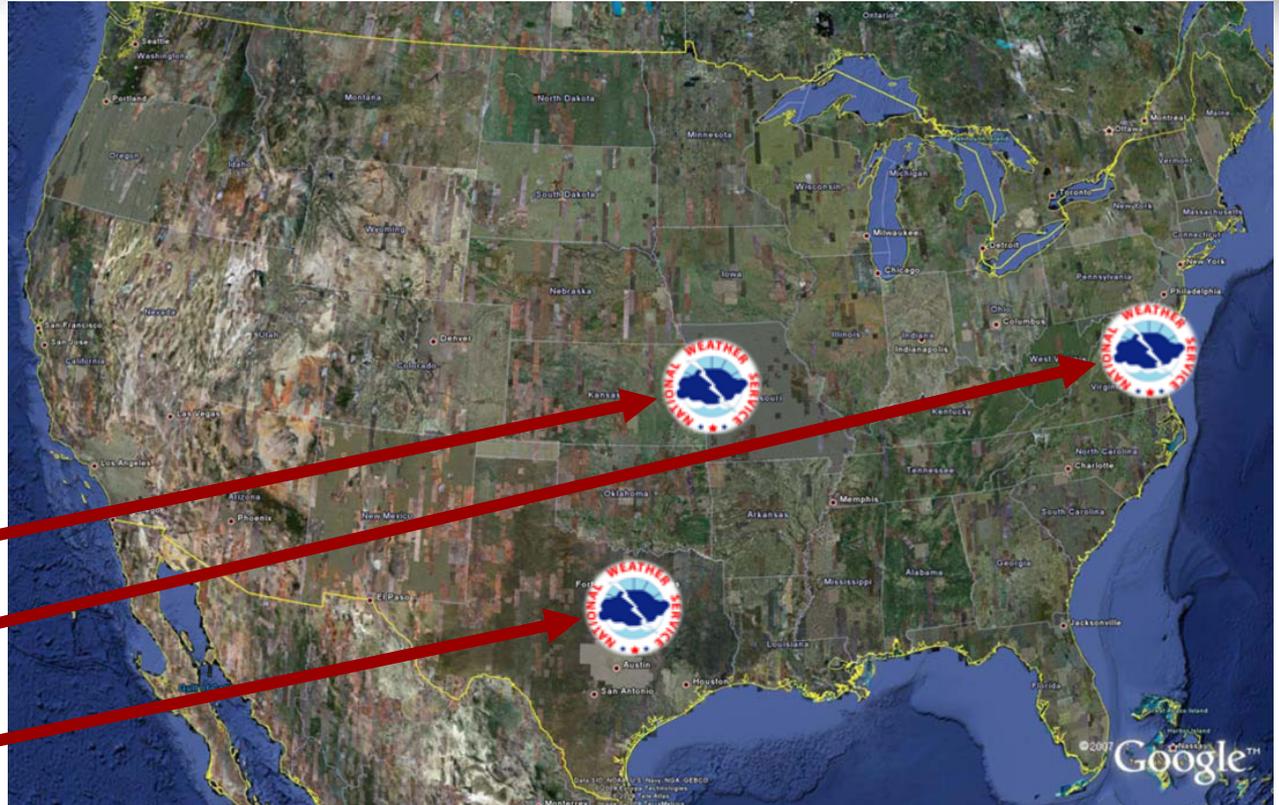
→ **Three Locations**

→ **Globally Load Balanced**

→ **CRH**

→ **NWSH**

→ **SRH**



**CRH**  
**Kansas City**

**NWSH**  
**Silver Spring**

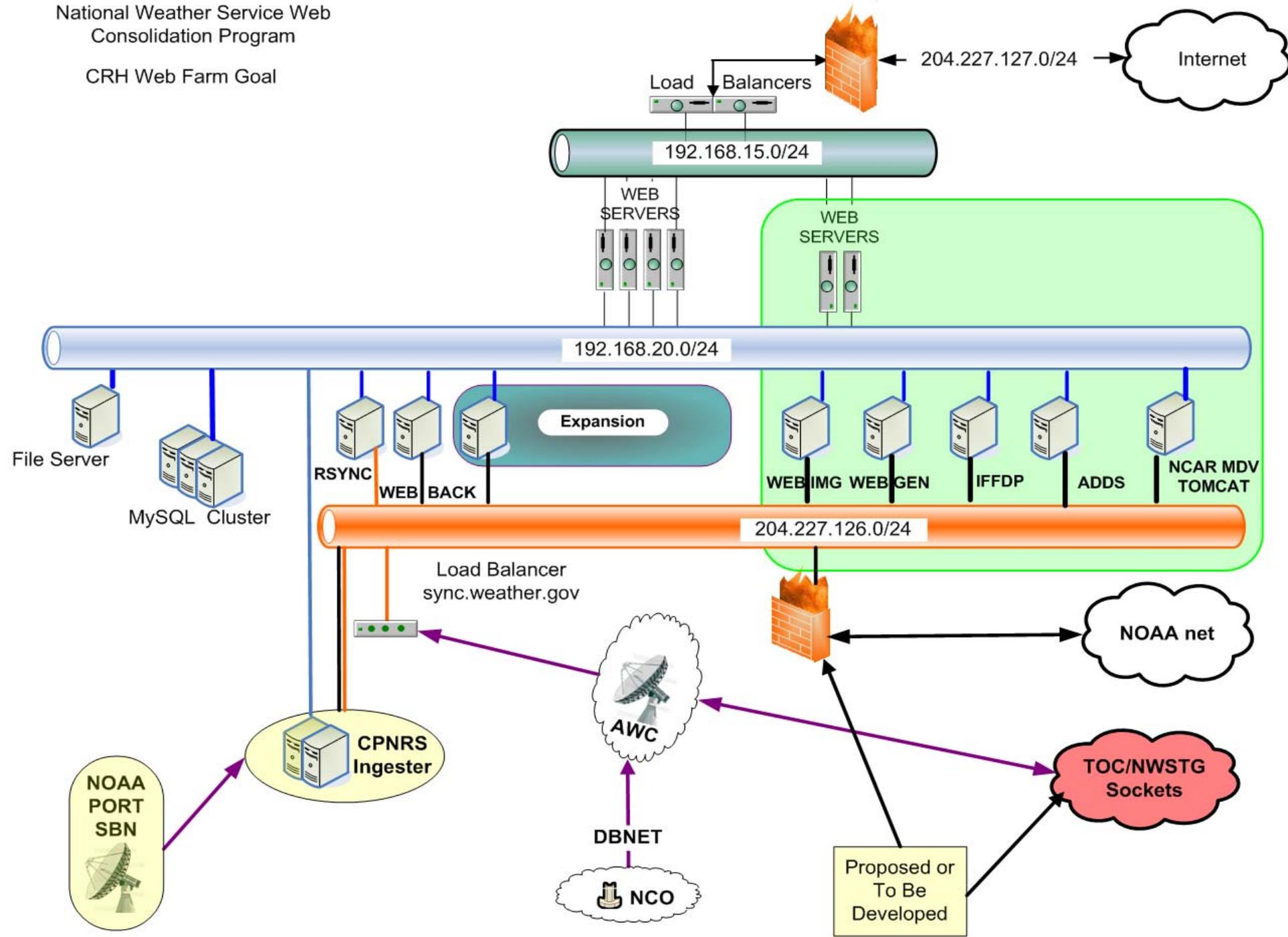
**SRH**  
**Fort Worth**

# Three Locations

- Improves redundancy
  - Multiple geographically diverse sites
- Uses less equipment
  - Versus 2 High Availability sites
- Lowers operating costs

National Weather Service Web Consolidation Program

CRH Web Farm Goal



➔ **For more information about contributing to the CAWS program contact**

**Clinton.Wallace@noaa.gov**  
**Aviation Weather Center**

➔ **Need Help Testing Soon**



**JOIN THE CAWS**

# CAWS Testing

## TESTING SCHEDULE

➔ Internal Testing – March 1, 2009

➔ beta Testing – April 20, 2009

## Live URLs

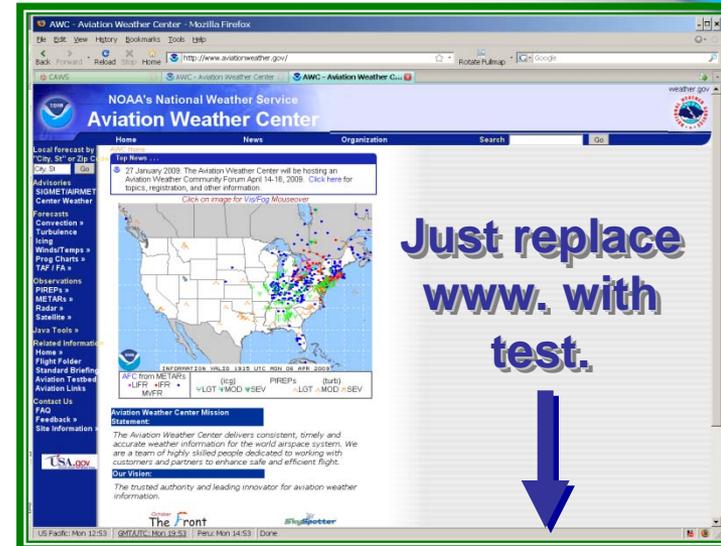
[www.AviationWeather.gov](http://www.AviationWeather.gov)

[www.ADDS.AviationWeather.gov](http://www.ADDS.AviationWeather.gov)

## Test URLs

<http://test.AviationWeather.gov>

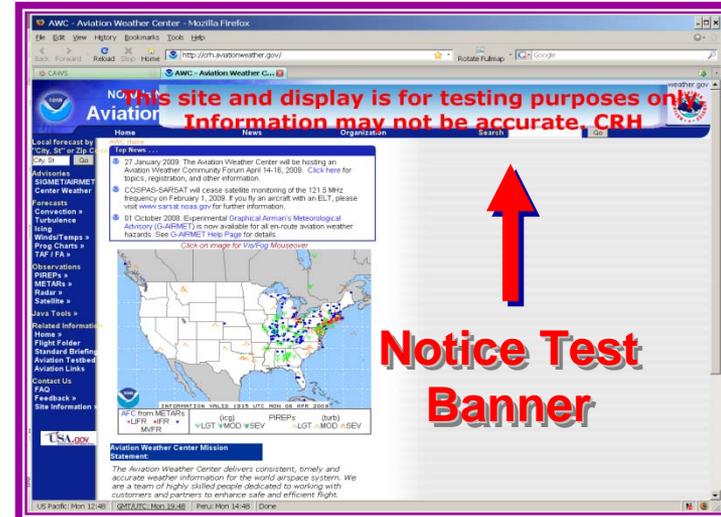
<http://test.ADDS.AviationWeather.gov>



Just replace  
www. with  
test.

↓

The screenshot shows the NOAA Aviation Weather Center website. A large blue arrow points downwards from the text 'Just replace www. with test.' to the 'www.' part of the URL in the browser's address bar, which is highlighted in green.



This site and display is for testing purposes only.  
Information may not be accurate, CRH

↑

Notice Test  
Banner

The screenshot shows the NOAA Aviation Weather Center website. A large red arrow points upwards from the text 'Notice Test Banner' to a red banner at the top of the page that reads 'This site and display is for testing purposes only. Information may not be accurate, CRH'. The banner is overlaid on the website's header.



# Help Test

- 1. Call up page on live site.**
  - 2. Call up same page on test site.**
  - 3. Compare pages.**
  - 4. Report any major differences.**
- ✈ caws.feedback@noaa.gov**



**TAKES OFF**

**Summer**

**2009**