Data and Information Networks That The National Weather Service Uses To Produce Flood Watches and Warnings

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Talking Points

• What are the networks, different types

• What information does each provide and how does the NWS receive the data

• How the NWS uses the data to formulate Watches and Warnings

• How do you get the warnings
What are the Networks

Doppler Radar

NWS Cooperative Observer

CoCoRahs

Amateur/Ham Radio

Remote Sensing

Stream/Rain Gages

ASOS/AWOS/RAWS

Social Networks

Iflows/Storms Alert

Spotters /Phone Calls

Public/Private Networks

Emergency Management
Satellite and Remote Sensing

Stream/Rain Gages
From various agencies

Remote Sensing

GOES/Polar

NESDIS/NWS

ASOS/AWOS/RAWS

NWS Forecast Office
Alert/CoCoRahs and Other Mesonets

Internet/MADIS Data link

State Processing

NWS Forecast Office

ALERT Rain/Met/River Gages

CoCoRahs

Public/Private/DOTs Mesonets

Amateur/Ham Radio
Cooperative/Other Observers and Emergency Management

NWS COOP Observers

Spotters / Phone Calls

Emergency Management / Law Enforcement

General Public

CoCoRahs

NWS Forecast Office

Amateur / Ham Radio
Radar/Alert/DCP and Mesonets For Flash/Flood and River Flooding

- Radar and Satellite for Rainfall estimates
- Iflows/Storms/Alert/ GOES/Mesonets/Observers for Rainfall amounts
- All are used together with current ground conditions and remote sensing to produce forecasts for Warnings
How do you get the NWS warning

• **All Hazards Radio**
• **Media**
• **Internet (AHPS/ EMWINS/ NWS Websites and other websites and xml or RRS feeds)**
• **Cell Phone text (INWS and other text services)**
• **Paging services**
• **Law Enforcement and EMA networks**
Thank You
http://www.weather.gov
http://www.inws.wrh.noaa.gov

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