



NOAA Weather Wire Service (NWS)

Providing Weather Information to the United States

BK K G C d Y U j c b g
 The NOAA Weather Wire Service (NWS) is a satellite data collection and dissemination system operated by the National Weather Service (NWS). Its purpose is to provide state and federal government, commercial users, and private citizens with timely delivery of meteorological, hydrological, climatological, and geophysical information (a complete listing of NWS products is available at <http://www.nws.noaa.gov/nwsw/>).

NWS data products originate at 143 NWS offices, including 122 Weather Forecast Offices (WFO), 13 WFO/River Forecast Centers (WFO/RFC), representing 26 NWS offices in 13 co-located facilities, and 8 NWS National Centers, utilizing the Advanced Weather Information Processing System (AWIPS). NWS also receives products from the U. S. Geological Survey's Earthquake Center. NWS delivers priority 1 weather warning products to users within 10 seconds or less, making it the fastest delivery method available for these critical products.

NWS network administration, maintenance, and field support is provided by Computer Science Corporation (CSC), under NWS contract.

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 Collection of products and satellite uplink is performed at all 13 WFO/RFCs, 5 National Centers, and 1 WFO. Products are then received from the satellite at Master Ground Station # 1 in Woodbine, MD, delivered to the CSC Master Processing Center (MPC) in Chantilly, VA., and broadcast back to the satellite to users from Woodbine, MD. Most products are sent twice through two satellite uplink sites (paired AWIPS hubs) to ensure receipt if one site goes down. Additionally, NWS receives back-up support from the AWIPS Network Control Facility in Silver Spring, MD, for priority 1 weather watches and warnings. Duplicate products are removed from the NWS data stream at MPC before broadcast.

WFO/RFC Paired AWIPS Hubs Uplinking Data to NWS

KCTP/KRHA	Central PA/Middle Atlantic (State College PA)	814-237-1152
KBOX/KTAR	Boston/Northeast (Taunton MA)	508-823-1983
KFWD/KFWR	Dallas/Ft. Worth/West Gulf (Dallas TX)	817-831-1581
KSCL/KSTR	Salt Lake City/Colorado Basin (Salt Lake City UT)	801-524-5106
KFFC/KALR	Atlanta/Southeast (Peachtree City GA)	770-486-0026
KLIX/KORN	New Orleans/Baton Rouge/Lower Mississippi (Slidell LA)	504-645-0565
KMPX/KMSR	Minneapolis/North Central (Minneapolis MN)	952-361-6671
KILN/KTIR	Cincinnati/Ohio (Wilmington OH)	937-383-0228
KEAX/KKRF	Kansas City/Pleasant Hill (Kansas City MO)	816-540-5147
KTSA/KTUA	Tulsa/Arkansas-Red Basin (Tulsa OK)	918-832-4115/6
KSTO/KRSA	Sacramento/California-Nevada (Sacramento CA)	916-979-3049
KPQR/KPTR	Portland/Northwest (Portland OR)	503-326-3720
PAFC/PACR	Anchorage/Alaska (Anchorage AK)	907-266-5105

National Centers Uplinking Data to NWS

KWNS	Norman, O	405-579-072	Storm Prediction Center
KNHC	Miami F	305-229-4426/4/5	Tropical Prediction Center
PHEB	Honolulu H	808-689-8207	Pacific Tsunami Warning Ctr*
PAAQ	Anchorage AK	907-745-421	West Coast/Alaska Tsunami Warning Center
KNCF	Silver Spring, MD	301-713-9344	AWIPS/NOAA Port Network Control Facility

† B c b ' 5 K - D G ' G j W g
 WFO Uplinking data to NWS
 TJSJ San Juan, PR 787-253-4504/1 *
 *KFFC/KALR and KLIX/KORN provide back-up.

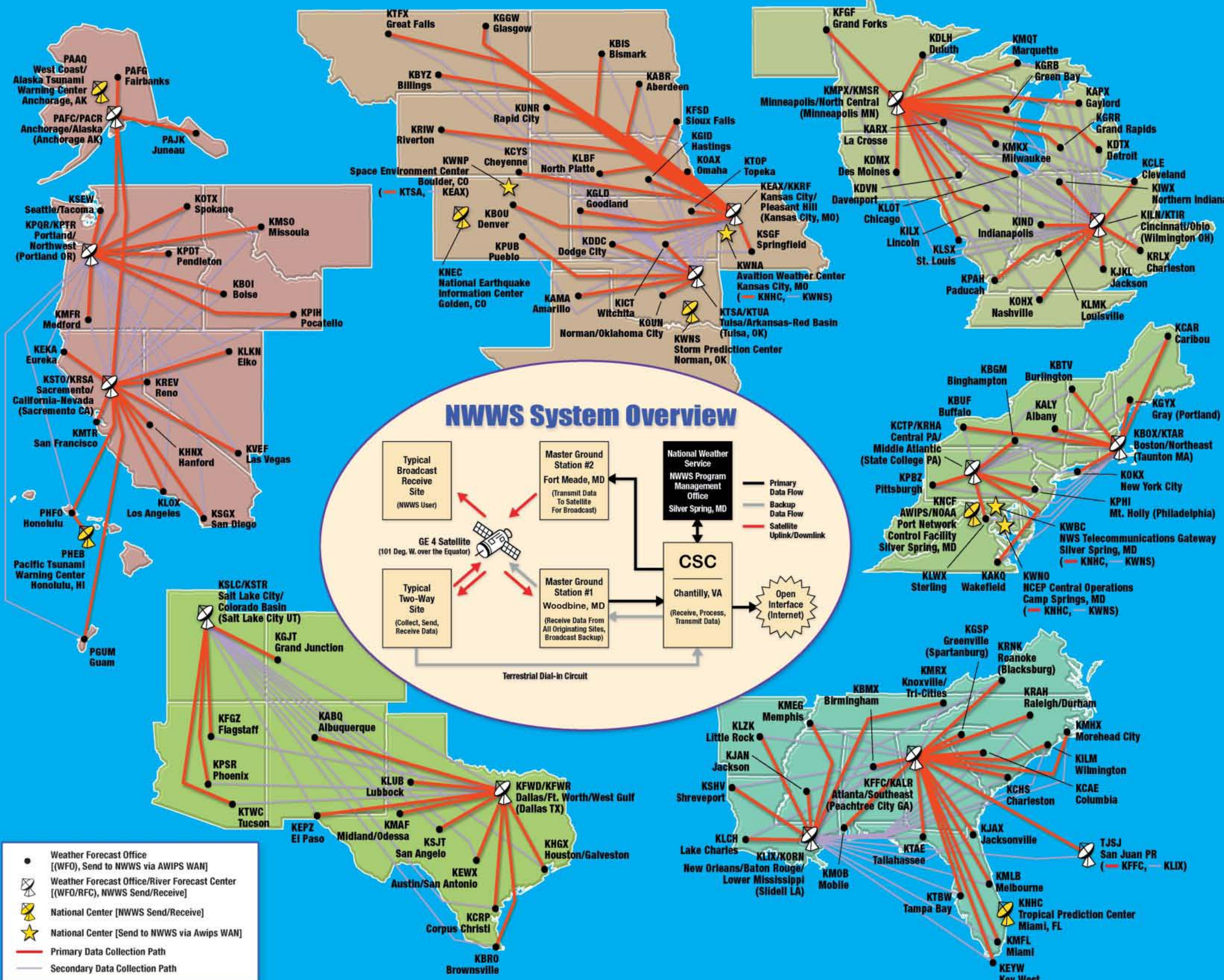
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 There are four options for receiving NWS products: C-band satellite, Ku-band satellite, INTERNET service and NLETS. Software is also available to manipulate, select, and display data. For more information, contact CSC at 1-800-633-2340, or see the CSC/NWS webpage at http://www.csc.com/public_sector/ds/27517-nwsw

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 Responsibility for overall management of the NWS resides at NWS Headquarters in Silver Spring, MD., within the Office of Operational Systems, Dissemination Systems Branch (W/OPS17). Principal contacts are:

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H r c i V Y g l c c i b j [' c i h j b Y .
 800-635-4679



- Weather Forecast Office [(WFO), Send to NWS via AWIPS WAN]
- ⊞ Weather Forecast Office/River Forecast Center [(WFO/RFC), NWS Send/Receive]
- ⚡ National Center [NWS Send/Receive]
- ★ National Center [Send to NWS via Awips WAN]
- Primary Data Collection Path
- Secondary Data Collection Path