



GO BEYOND® WITH NOAA-20

NOAA-20 (Joint Polar Satellite System-1) gathers a vast amount of valuable Earth data and images, enabling emergency managers to protect lives and property.



GLOBAL DATA

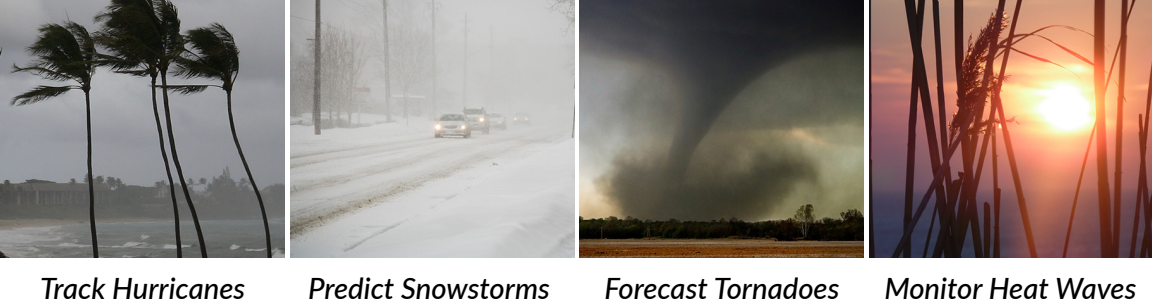
Accurate weather forecasts and climate models rely on polar-orbiting satellites like NOAA-20. Imagine Earth rotating, with NOAA-20 constantly circling it from pole to pole. The satellite scans wide swaths, covering the entire Earth twice a day.



- 512 miles altitude (824 km)
- 16,600 mph (7.4 km per sec.)
- 14 orbits per day
- 101 min. per orbit

SEVERE WEATHER DATA

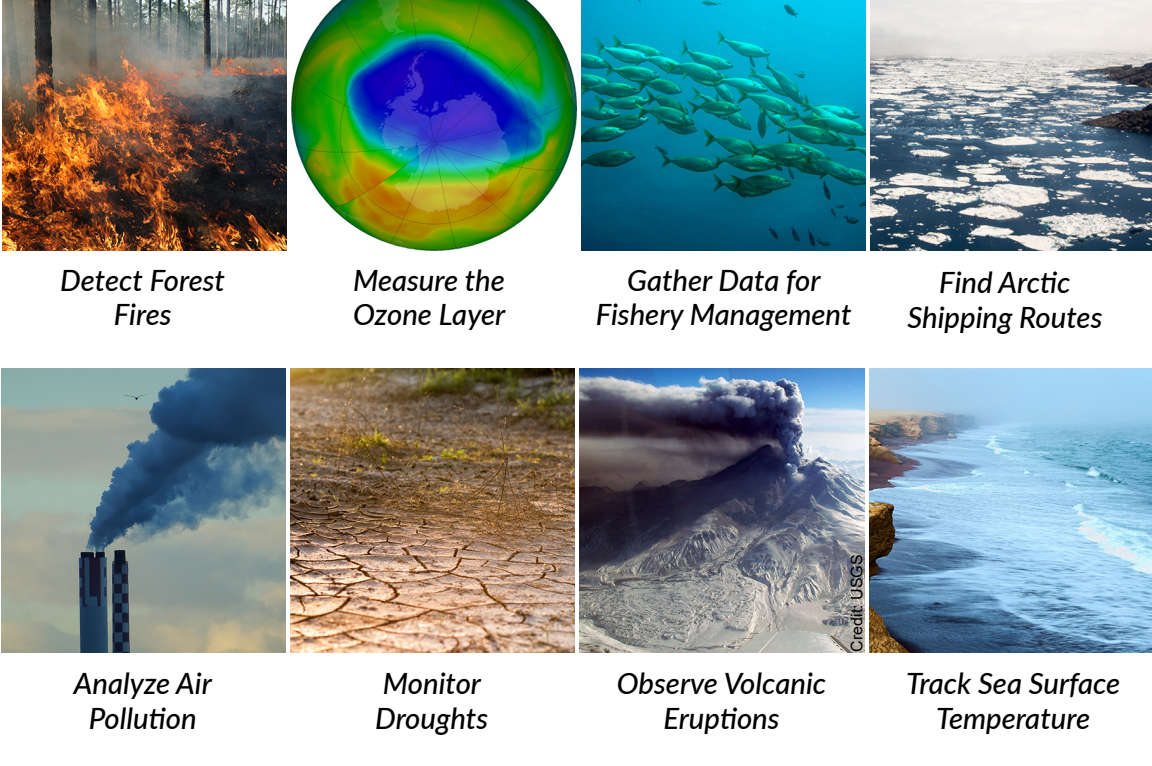
According to the National Weather Service, polar-orbiting satellites provide **85 percent** of the data used to forecast the weather.



Track Hurricanes Predict Snowstorms Forecast Tornadoes Monitor Heat Waves

MUCH, MUCH MORE

The power of NOAA-20 goes beyond weather and climate data collection. It also informs us of sea, land and atmosphere conditions that affect people across the United States.

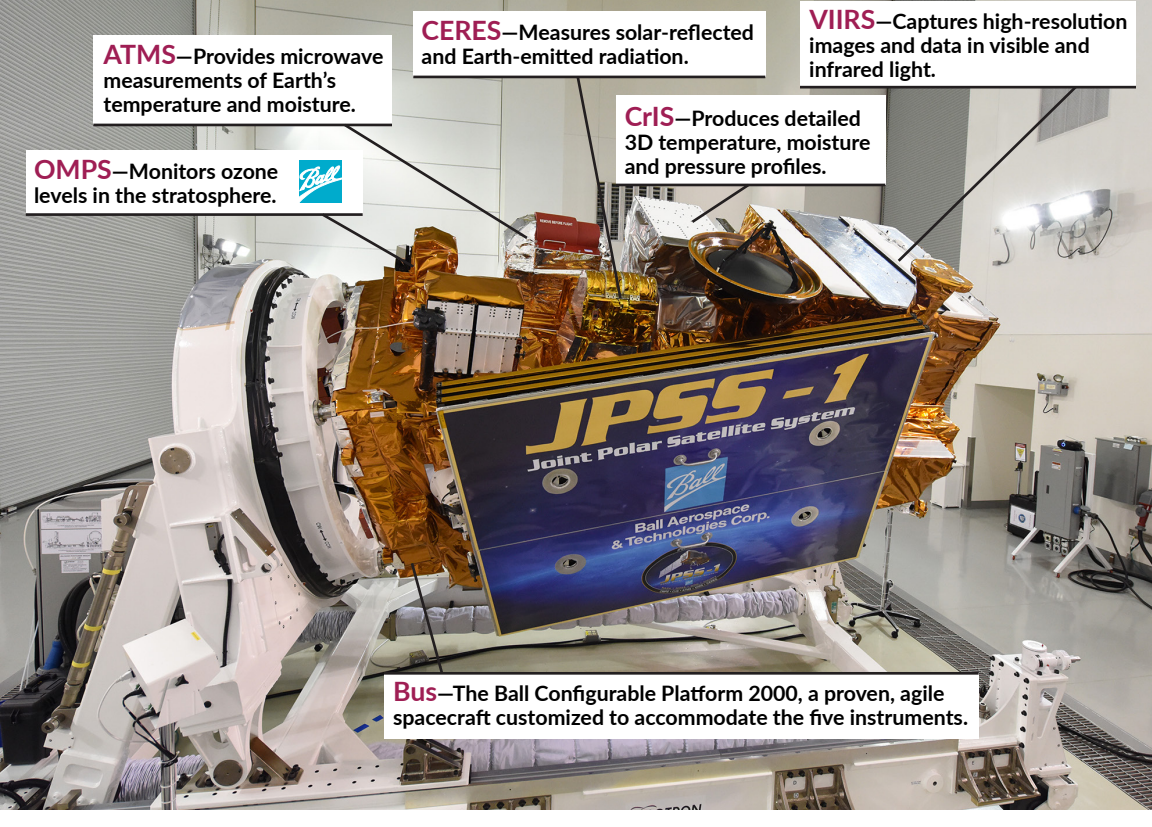


Detect Forest Fires Measure the Ozone Layer Gather Data for Fishery Management Find Arctic Shipping Routes

Analyze Air Pollution Monitor Droughts Observe Volcanic Eruptions Track Sea Surface Temperature

SPACECRAFT DETAILS

Ball Aerospace designed and built the spacecraft bus, which provides the basics needed for the scientific instruments to do their jobs. The basics include antennas, power, propulsion, navigation and additional subsystems.



NOAA-20's instruments operate continuously and autonomously, transmitting data twice per orbit.

LAUNCH



In November 2017, NOAA-20 launched onboard a ULA Delta II rocket from Vandenberg Air Force Base in California.



Ball staff led the launch preparation at Vandenberg, up until the satellite was mated with the rocket's payload attach fitting. Ball now supports mission operations.

www.ball.com/aerospace/programs/jpss-1

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