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 NOAA-20. Imagine Earth rotating, with NOAA-20 constantly circling it from pole to pole. The satellite will scan wide swaths, covering the entire Earth twice a day.

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

SEVERE WEATHER DATA
The power of NOAA-20 goes beyond weather and climate data collection. JPSS-1 will also inform us of sea, land and atmosphere conditions that affect people across the United States.

SPACECRAFT DETAILS
NOAA-20’s instruments will operate continuously and autonomously, transmitting data twice per orbit.

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.

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.

OMPS—Monitors ozone levels in the stratosphere.
ATMS—Provides microwave measurements of Earth’s temperature and moisture.
CERES—Measures solar-reflected and Earth-emitted radiation.
VIIRS—Captures high-resolution images and data in visible and infrared light.
CrIS—Produces detailed 3D temperature, moisture and pressure profiles.

Ball Aerospace and Science is a global leader in advanced aerospace technologies for commercial, military and government marketplaces. Visit www.ball.com/aerospace to learn more.