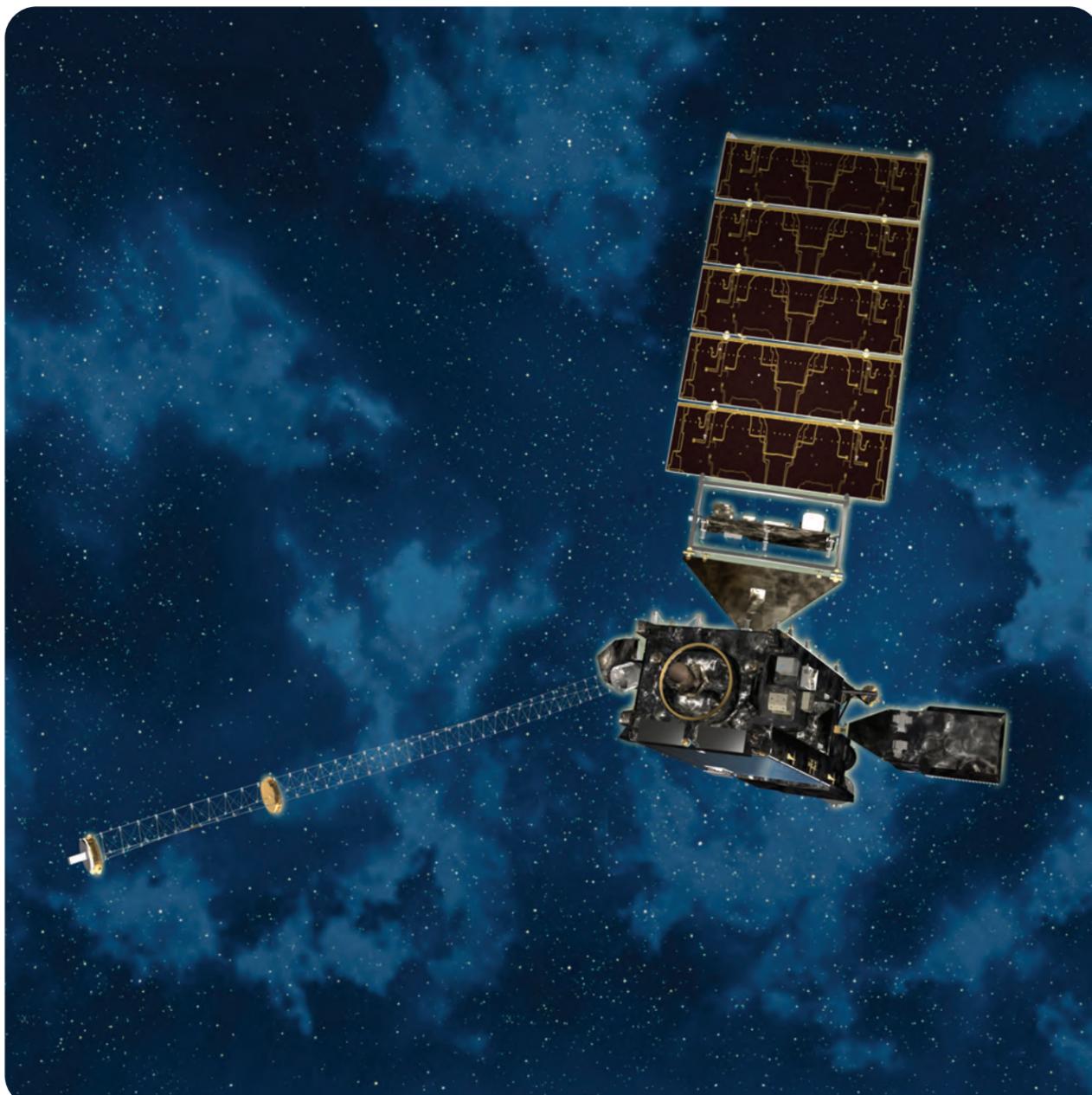
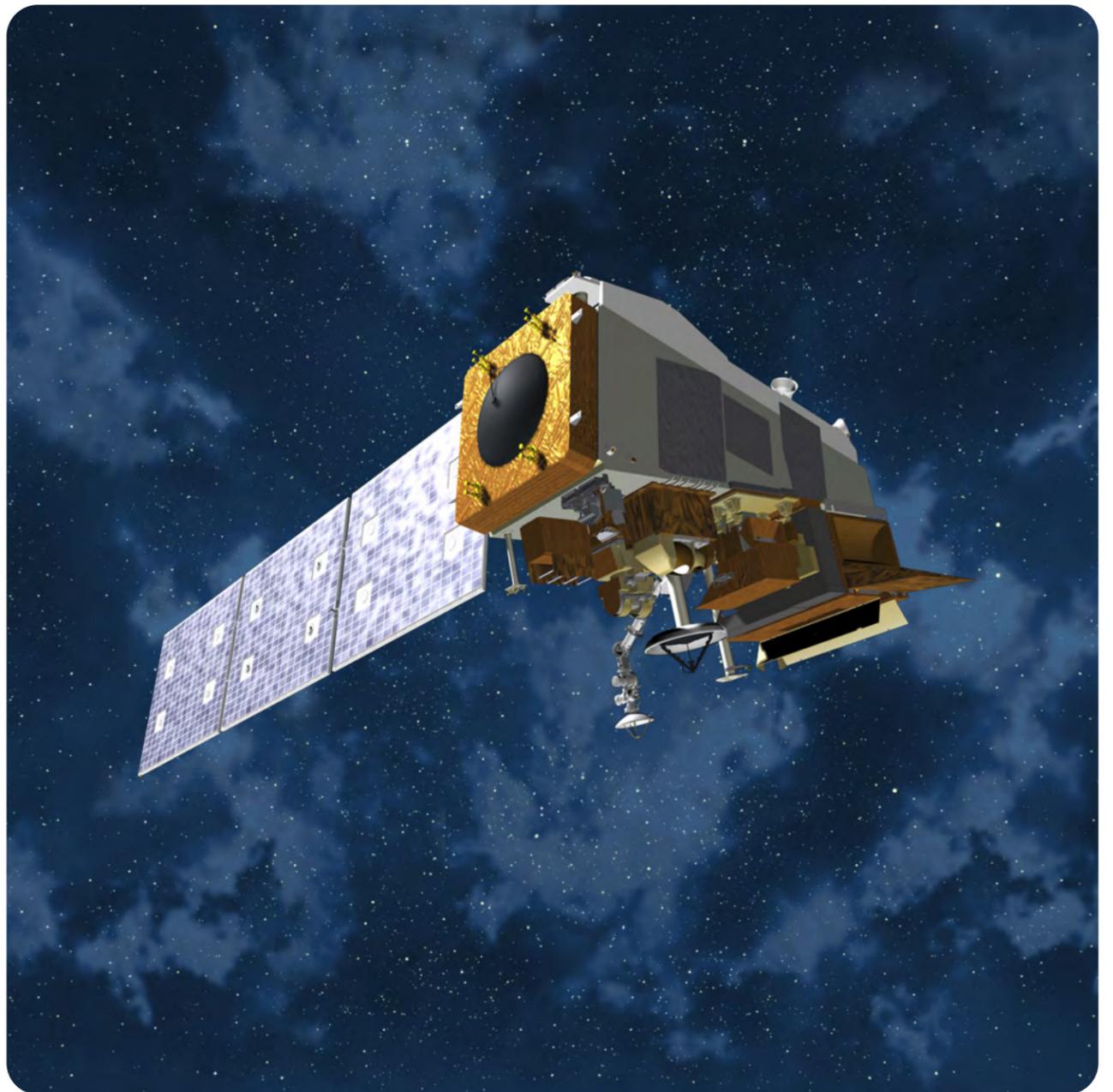


JPSS

The Joint Polar Satellite System (JPSS) is NOAA's next generation of polar-orbiting environmental satellites. The satellite constellation is comprised of the currently flying Suomi NPP satellite, launched in 2011, and the future JPSS-1 and JPSS-2 satellites to be launched in 2017 and 2021, respectively. JPSS satellites simultaneously provide sophisticated meteorological data and observations of atmosphere, ocean and land for short-term, seasonal and long-term monitoring and forecasting. The most important function of JPSS is to increase the timeliness and accuracy of forecasts three to seven days in advance of a severe weather event. NOAA's National Weather Service uses JPSS data as critical input for numerical forecast models, providing the basis for these mid-range forecasts. These forecasts allow for early warnings and enable emergency managers to make timely decisions to protect American lives and property, including ordering effective evacuations.



GOES-R series

The Geostationary Operational Environmental Satellites – R Series (GOES-R) is the next generation of NOAA geostationary weather satellites. GOES-R will provide continuous imagery and atmospheric measurements of Earth's Western Hemisphere and space weather monitoring to provide critical atmospheric, hydrologic, oceanic, climatic, solar and space data. GOES-R series environmental data products will improve short-term weather forecasts, increase thunderstorm and tornado warning lead time, improve hurricane tracking and intensity forecasts, improve aviation flight route planning, provide data for long-term climate variability studies, and improve solar flare warnings for communications and navigation disruptions. GOES-R will also support maritime forecasts, seasonal predictions, drought outlooks and space weather predictions. The GOES-R series (GOES-R, S, T, and U) will extend the availability of the operational GOES satellite system through 2036. The first satellite in the series is scheduled for launch in 2016.