NOAA Satellites

Data to Predict and Protect Our World

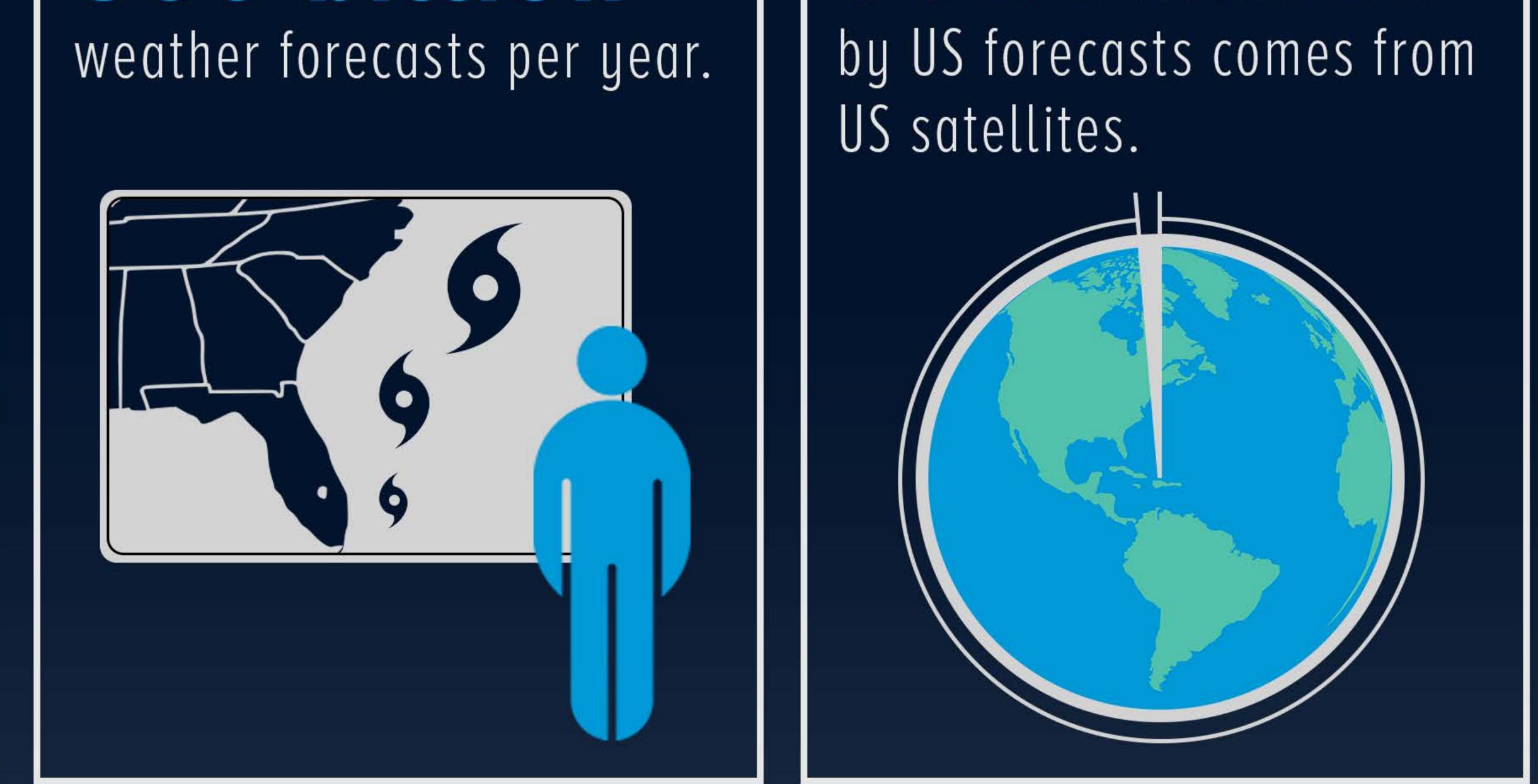
Geostationary GOES Provides immediate weather tracking information for the Western Hemisphere.

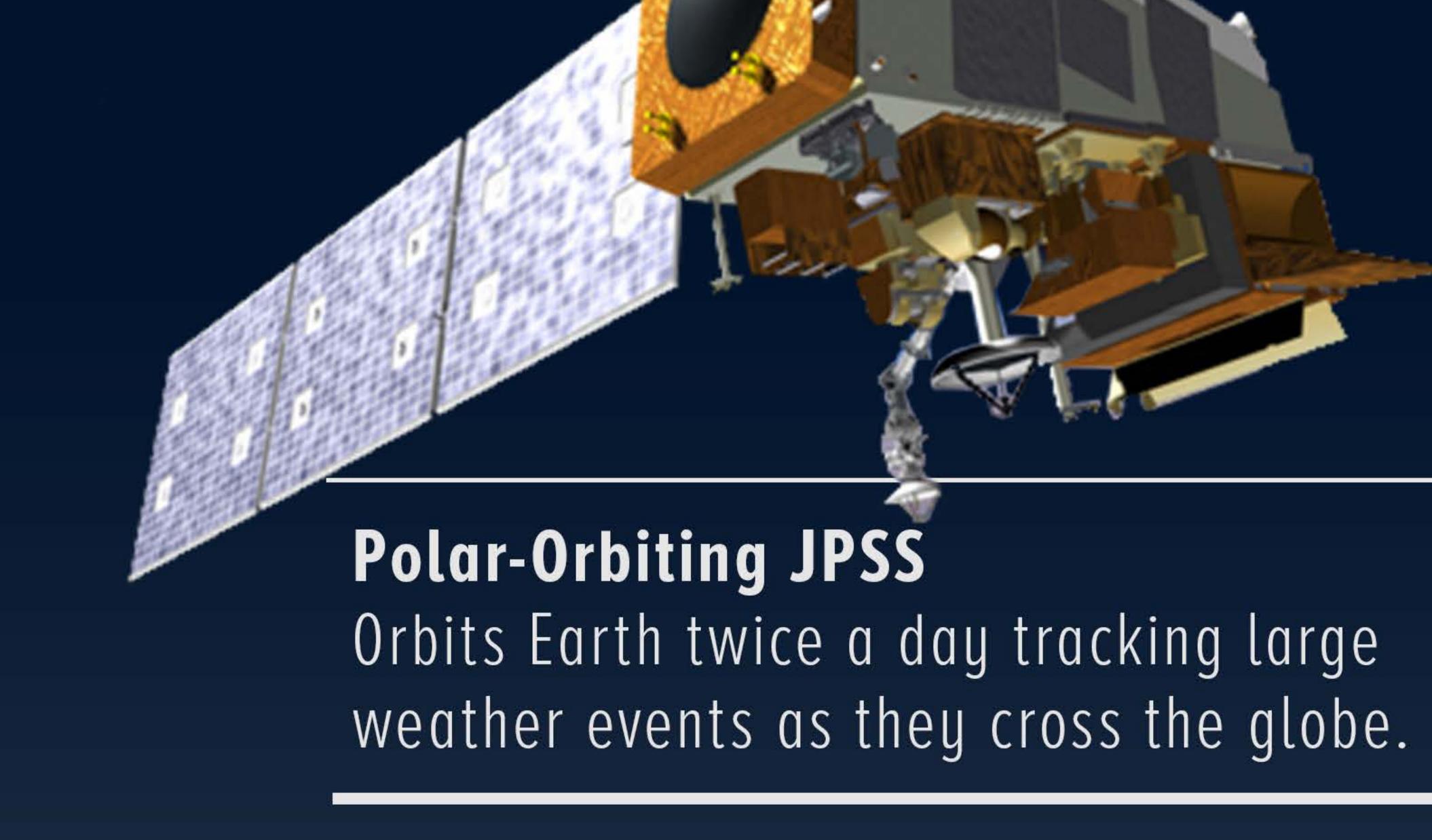
The US Relies on NOAA Satellites to Predict All US and Global Weather

in household benefits for the American public from industries that rely on predicting our weather and environment.



300 billion





Satellite Data Helps Save Lives

NOAA Satellites generate vital advance warnings for severe weather events helping us to make informed decisions on everything from population evacuations to flight patterns.

FIRES

Satellites monitor location, extent, temperature of wildfires, movement of smoke and ash.

March 2017 NOAA's GOES-16 warned of the wildfire outbreak that would burn 1 million acres across the Great Plains before calls even came through to 911.

RESCUES

Satellites relay distress signals and detect mariners, aviators and land-based recreational users in distress around the globe.

> July 2016 Forty-six crew members, with their lives hanging in the balance, were safely pulled from a sinking fishing vessel in the Bering Sea near Alaska. In 2016, a total of 307 people were rescued.

FLOODS

Harvey & Irma.

Satellites monitor the dynamics of flooding after a severe storm, providing high resolution detail over vast areas. This allows FEMA and teams on the ground to plan for evacuations and recovery efforts.

STORMS

Satellites track cloud movement, temperature and wind speeds to help forecast where and when severe weather will hit.

> October 2012 Superstorm Sandy—polar-orbiting satellite data improved forecast accuracy by hundreds of miles—providing critical information for emergency managers.

