

WDS U.S. Geological Survey (USGS): Earth Resources Observation and Science (EROS) Center

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Biggest Challenges:

- Moving from just a data provider to providing Analysis Ready Data
 - Multi-year transition
- Appraising collection offers and existing holdings
 - Appeal to Science staff for reviewers

Continuing Challenges:

- Network saturation
 - Development planning

Main Accomplishments:

- Successful transition to no-cost service
 - Analog film
 - Large scanning operation (>4M frames scanned)
- Planning for Landsat-9
 - Partnership with NASA
- Acceptance of Sentinel 2A data streams (>200,000 scenes)
 - Partnership with European Space Agency
- Establishing Land Change Monitoring, Assessment, and Projections (LCMAP) project
 - Builds on our trends experience and expertise

Best Practices:

WDS Criteria - The facility accepts data sets from its producers based on defined criteria for collection, selection and evaluation

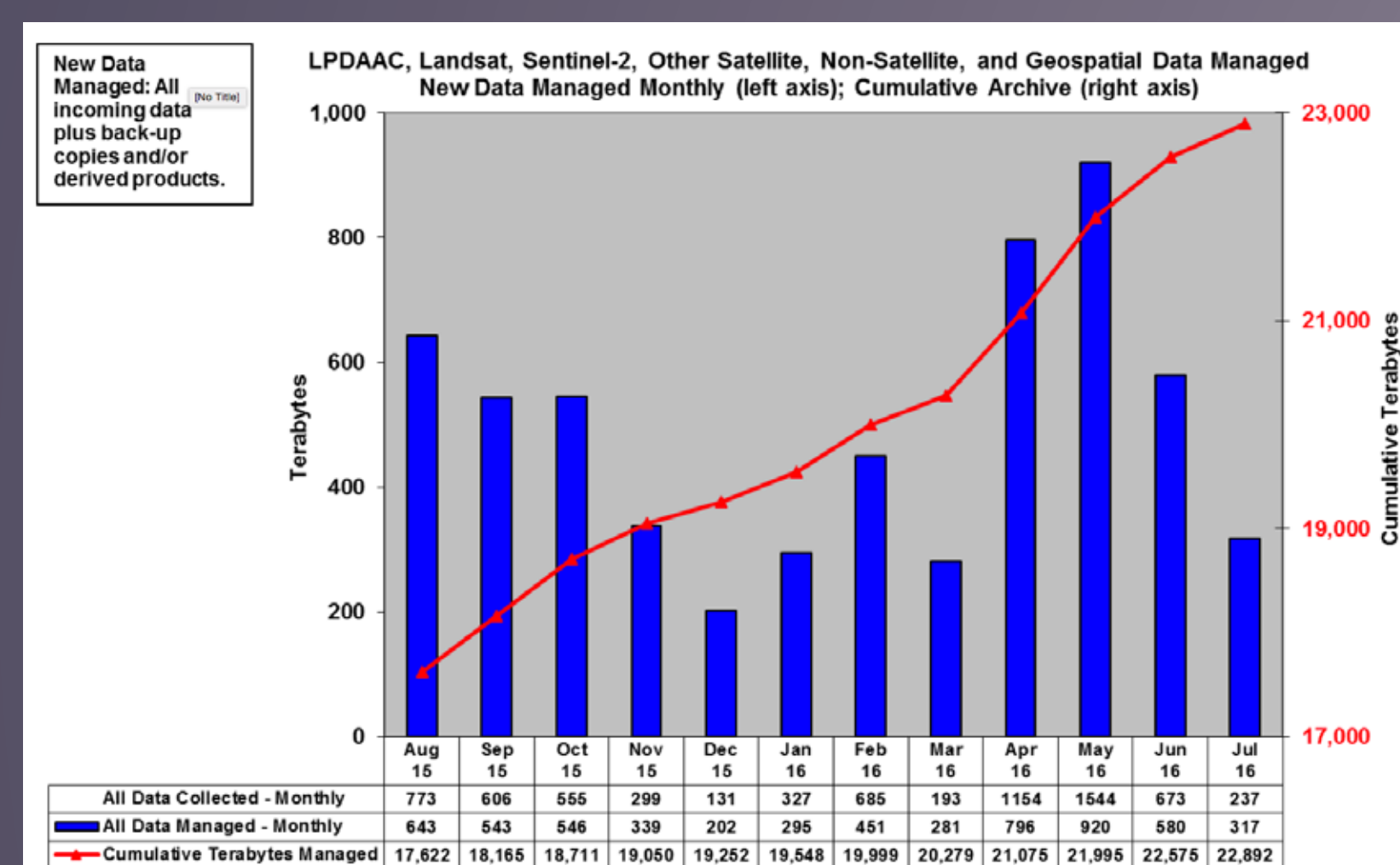
- EROS Science Data Appraisal Process
 - Parts are a U.S. National Archives and Records Administration (NARA) Best Practice

- Decisions are transparent, documented and justifiable
- Allows EROS to say "No" responsibly
- Began in 2006. To date, 80 collections have been appraised
- Parts of process are highly transferable
 - Question set
 - Reliance on documentation

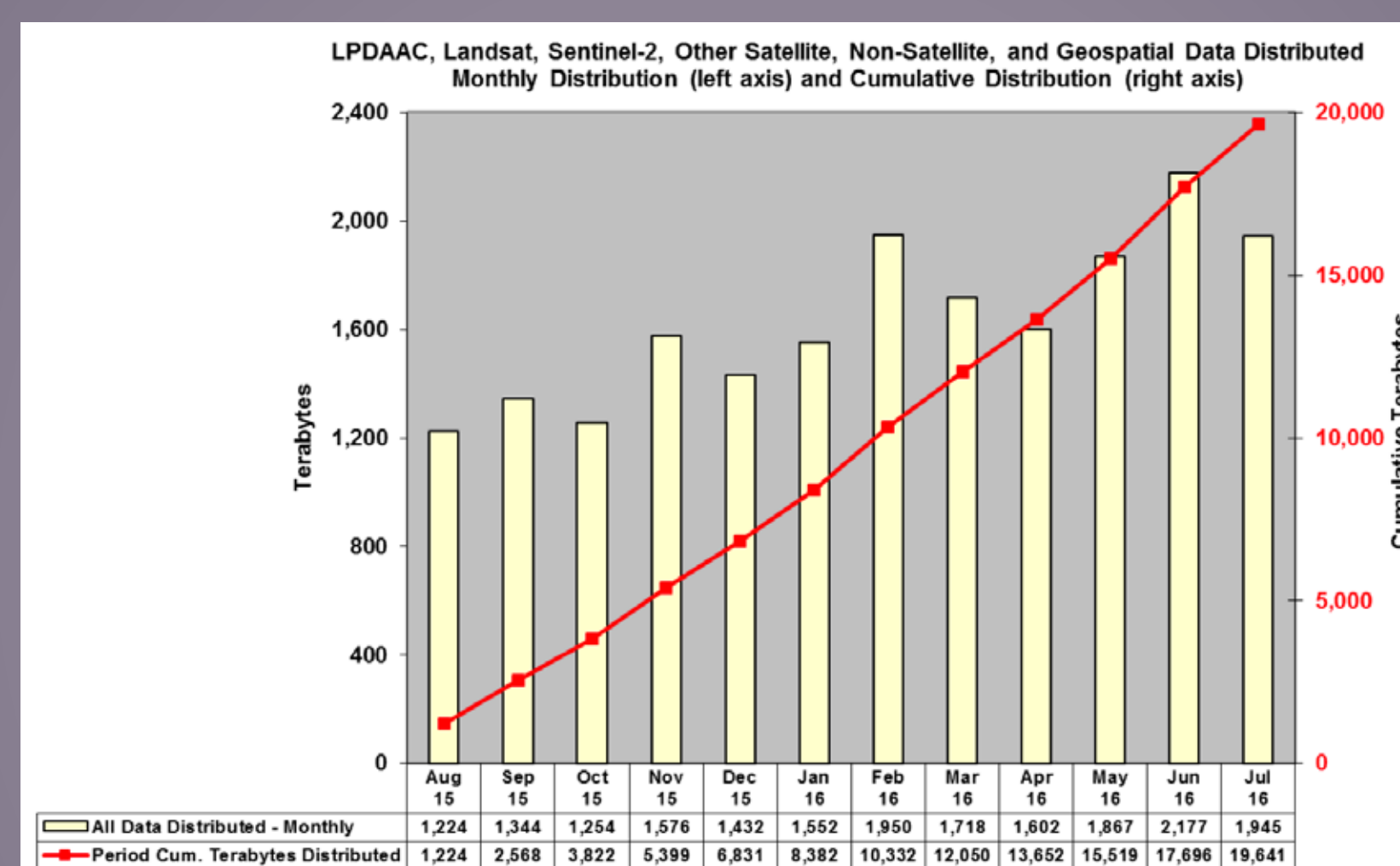
Other Information:

USGS EROS Data management and distribution has been increasing at a frenetic rate. It took our Center over 30 years to accumulate the first petabyte of science data. Currently, we are adding an

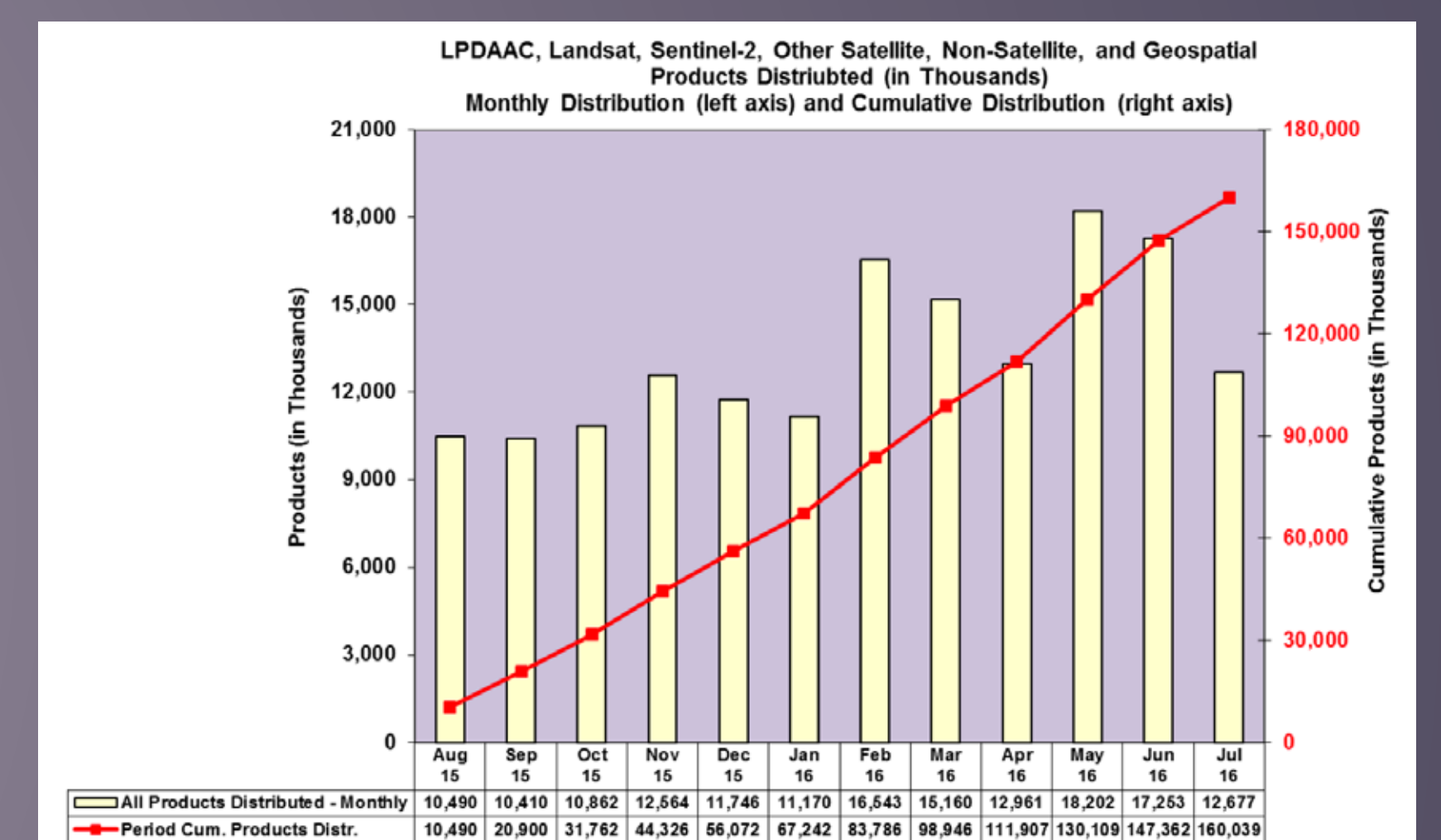
additional petabyte every 3 months. Some figures depicting our management and distribution volumes:



All USGS EROS Projects – Data Volume Managed



All USGS EROS Projects – Data Volume Distributed



All USGS EROS Projects – Number of Products Distributed

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URL:

<http://eros.usgs.gov/>
<http://eros.usgs.gov/nslrda>