Satellite observations of the Earths environment - accelerating the transition of research to operations

National Academies Press - Space & Scientific Instrumentation: earth observation, laser

Description: -
-
Artificial satellites in earth sciences
Artificial satellites in remote sensing
Environmental sciences -- Remote sensing -- Technological innovationsSatellite observations of the Earths environment - accelerating the transition of research to operations
-Satellite observations of the Earths environment - accelerating the transition of research to operations
Notes: Includes bibliographical references.
This edition was published in 2003

DOWNLOAD FILE
PDF
Adobe

Filesize: 49.32 MB

Tags: #Research #Topics

Phi Lab

Solomon 2010 , Flares, coronal mass ejections, and atmospheric responses, in Space Storms and Radiation: Causes and Effects, edited by C.

Research Topics

Operational measurements are driven by the need for uninterrupted availability; systematic research measurements are driven by the need for long-term stability and are less sensitive to occasional data loss. It should be noted that while CDRs provide detailed information on individual patterns of behavior, the data is proprietary and thus difficult to obtain. However, the lessons learned and the recommendations contained in the report are likely to be applicable to transitions of research to operations concerning oceanographic and space weather data, and also to a broader range of federal government agencies, private sector companies, and other institutions.

Monitoring the Earth

If you have questions or ideas, please contact us at. There may be more than one such valley in the long transition pathway from research to operations.

Global Warming

The previous NASA administrator Goldin, 2000 made statements encouraging NASA to accept a 30 percent failure rate for space missions in order to balance acceptable risk with technology innovation. An operator of a global agricultural monitoring constellation might, for example, position the coverage gaps over open ocean areas. Not all missions will find added utility with this class of constellation design compared with other design options, such as medium-earth orbit, geostationary orbit, or highly elliptical orbits HEO.

Early Adopters

This is sufficient for most ground points, but is not applicable in all cases: consider an observer in a city with tall skyscrapers nearby, or an observer

at the base of Mount Everest. The European Centre for Medium-Range Weather Forecasts ECMWF has done an excellent job in aggressively and rapidly demonstrating the utility of measurements developed in the research community.

Related Books

- Dental and oral X-ray diagnosis.
- Min shuhadā' al-thawrah, 1954-1962
- Data compression for satellite images - final report
- Oleoresin crystallization in eastern white pine - relationships with chemical components of cortical
- Copenhagen - on the housing battlefield : an analysis of the causes of spatial segregation in a mult