

Geostationary Meteorological Satellite Fy 2

When people should go to the ebook stores, search launch by shop, shelf by shelf, it is in point of fact problematic. This is why we offer the books compilations in this website. It will no question ease you to look guide **geostationary meteorological satellite fy 2** as you such as.

By searching the title, publisher, or authors of guide you in reality want, you can discover them rapidly. In the house, workplace, or perhaps in your method can be every best area within net connections. If you ambition to download and install the geostationary meteorological satellite fy 2, it is completely easy then, previously currently we extend the associate to purchase and make bargains to download and install geostationary meteorological satellite fy 2 consequently simple!

Hurricane Monitoring With Spaceborne Synthetic Aperture Radar Xiaofeng Li 2017-05-17 This book discusses in detail the science and morphology of powerful hurricane detection systems. It broadly addresses new approaches to monitoring hazards using freely available images from the European Space Agency's (ESA's) Sentinel-1 SAR satellite and benchmarks a new interdisciplinary field at the interface between oceanography, meteorology and remote sensing. Following the launch of the first European Space Agency (ESA) operational synthetic aperture radar satellite, Sentinel-1, in 2014, synthetic aperture radar (SAR) data has been freely available on the Internet hub in real-time. This advance allows weather forecasters to view hurricanes in fine detail for the first time. As a result, the number of synthetic aperture radar research scientists working in this field is set to grow exponentially in the next decade; the book is a valuable resource for this large and budding audience.

The Future of remote sensing from space civilian satellite systems and applications.

Scientific Satellite and Moon-Based Earth Observation for Global Change Huadong Guo 2019-06-27 Global change involves complex and far-reaching variations in the Earth's systems, and satellite observations have been widely used in global change studies. Over the past five decades, Earth observation has developed into a comprehensive system that can conduct dynamic monitoring of the land, the oceans and the atmosphere at the local, regional and even global scale. At the same time, although a large number of Earth observation satellites have been launched, very few of them are used in global change studies. The lack of scientific satellite programs greatly hinders research on global change. This book proposes using a series of global change scientific satellites to establish a scientific observation grid for global environmental change monitoring from space, and offers the first comprehensive review of lunar-based Earth observation. These scientific satellites could provide not only basic datasets but also scientific support in facilitating advances in international global change research.

Satellite Technology Anil K. Maini 2011-06-09 A comprehensive, single-source reference on satellite

technology and its applications, *Satellite Technology: Principles and Applications, Second Edition* includes the latest developments on the topic. Covering the features and facilities of satellites and satellite launch vehicles, with an emphasis on the fundamental principles and concepts, the authors provide readers with a complete understanding of the technology. This book explains the past, present and future satellite missions, as well as non-communication related applications. Coverage ranges from remote sensing and navigational uses to meteorological and military areas. This second edition contains an additional chapter on earth station design and gives extensive focus to space based weapon systems, satellite interference and future trends in satellite technology. Extra information has also been provided on all of the first edition's topics to enhance the existing coverage. Fully updated new edition with latest technological developments Covers the full range of important applications such remote sensing, weather forecasting, navigational, scientific and military applications Amply illustrated with figures and photographs, this book also contains problems with solutions, which is of benefit students at undergraduate and graduate levels An indispensable book for professionals and students in the field of satellite technology Companion website provides a complete and updated compendium on satellites and satellite launch vehicles

Highlights in Space 1995

China's Electronics Industry Michael Pecht 2006-08-10 China's Electronics Industry is a comprehensive and current report on the technologies, manufacturing capabilities, and infrastructure that have made China a major player in the electronics industry. Not only does it cover the past, present, and future of important electronic technologies, but also the pros and cons of conducting business in China. This is an important reference for any company planning a venture in China as well as those who have already taken their first steps. It will also be of great interest to researchers and policy makers who need to know more about the role of central government in promoting strategic industries and assisting national science and technology development. Much of the data contained in the report is from 2006. No country has burst onto the economic scene as dramatically as China has in the past decade. It is the world's largest producer of many electronic products and has a leading edge semiconductor industry. This timely and comprehensive report from America's leading authority is a critical for anyone who is interested in working with China in the electronics field including business managers, academics, government institutes, foreign investors, as well as those who are interested in the past, present and future growth of China's Electronics Industry. If you are thinking about doing business in china's electronics industry, you must have this book.

Departments of Veterans Affairs and Housing and Urban Development, and Independent Agencies

Appropriations for 1996 United States. Congress. House. Committee on Appropriations. Subcommittee on VA, HUD, and Independent Agencies 1995

Global Satellite Meteorological Observation (GSMO) Theory Stojče Dimov Ilčev 2017-10-11 This book presents the principal structure of space systems, functionality, media and applications for modern remote sensing, transmission systems, meteorological antennas, propagation meteorological observation and transferring weather data from satellite to the ground infrastructures and users. The book starts with a short background to

the development of Radio and Space systems including overview, concepts and applications of satellite communications in function of transfer meteorological observation data and images. It goes on to discuss the fundamental principles of the space platforms and orbital parameters, laws of satellite motions, new types of launching systems, satellite orbits and geometric relations, spacecraft configuration, payload structure, type of onboard antenna systems, satellite orbits and components of satellite bus. The author also provides comprehensive coverage of baseband and transmission systems, fundamentals of atmospheric electromagnetic radiation, satellite meteorological parameters and instruments, and research and applications in antenna systems and propagation. This is a companion book of *Global Satellite Meteorological Observation Applications* (Springer).

Comprehensive Remote Sensing 2017-11-08 *Comprehensive Remote Sensing* covers all aspects of the topic, with each volume edited by well-known scientists and contributed to by frontier researchers. It is a comprehensive resource that will benefit both students and researchers who want to further their understanding in this discipline. The field of remote sensing has quadrupled in size in the past two decades, and increasingly draws in individuals working in a diverse set of disciplines ranging from geographers, oceanographers, and meteorologists, to physicists and computer scientists. Researchers from a variety of backgrounds are now accessing remote sensing data, creating an urgent need for a one-stop reference work that can comprehensively document the development of remote sensing, from the basic principles, modeling and practical algorithms, to various applications. Fully comprehensive coverage of this rapidly growing discipline, giving readers a detailed overview of all aspects of Remote Sensing principles and applications. Contains 'Layered content', with each article beginning with the basics and then moving on to more complex concepts. Ideal for advanced undergraduates and academic researchers. Includes case studies that illustrate the practical application of remote sensing principles, further enhancing understanding.

Observation of the Earth and Its Environment Herbert J. Kramer 2019-01-30 This book is about spaceborne missions and instruments. In addition, surveys of airborne missions and of campaigns can be found on the accompanying CD-ROM in pdf-format. Compared with the 3rd edition the spaceborne part grew from about 300 to 1000 pages. The complete text - including the electronic-only chapters - contains more than 1900 pages. New chapters treat the history of Earth observation and university missions. The number of commercial Earth imaging missions has grown significantly. A chapter contains reference data and definitions. Extensive appendices provide a comprehensive glossary, acronyms and abbreviations and an index of sensors. An effort has been made to present the information in context, to point out relationships and interconnections. The book may serve as a reference and guide to all involved in the various national and international space programs: researchers and managers, service providers and data users, teachers and students.

Naval space 2002

NOAA's Role in Space-Based Global Precipitation Estimation and Application National Research Council 2007-03-13 The National Oceanic and Atmospheric Administration (NOAA) uses precipitation data in many applications including hurricane forecasting. Currently, NOAA uses data collected from the Tropical Rainfall

Measuring Mission (TRMM) satellite that was launched in 1997 by NASA in cooperation with the Japan Aerospace Exploration Agency. NASA is now making plans to launch the Global Precipitation Measurement (GPM) mission in 2013 to succeed TRMM, which was originally intended as a 3 to 5 year mission but has enough fuel to orbit until 2012. The GPM mission consists of a "core" research satellite flying with other "constellation" satellites to provide global precipitation data products at three-hour intervals. This book is the second in a 2-part series from the National Research Council on the future of rainfall measuring missions. The book recommends that NOAA begin its GPM mission preparations as soon as possible and that NOAA develop a strategic plan for the mission using TRMM experience as a guide. The first book in the series, *Assessment of the Benefits of Extending the Tropical Rainfall Measuring Mission* (December 2004), recommended that the TRMM mission be extended as long as possible because of the quality, uniqueness, and many uses of its data. NASA has officially extended the TRMM mission until 2009.

Introduction to Environmental Remote Sensing Eric C. Barrett 2013-05-13 Taking a detailed, non-mathematical approach to the principles on which remote sensing is based, this book progresses from the physical principles to the application of remote sensing.

Atmospheric Satellite Observations Xiaolei Zou 2020-03-05 *Atmospheric Satellite Observations: Variation Assimilation and Quality Assurance* provides an invaluable reference for satellite data assimilation. Topics covered include linear algebra, frequently used statistical methods, the interpolation role of function fitting, filtering when dealing with real observations, minimization in data assimilation systems, 3D-Var and the inverse problem it solves, 4D-Var and adjoint techniques, and much more. The book concludes with satellite observation of hurricanes. Contains mathematical concepts from several branches of study, including calculus, linear algebra, probability theory, functional analysis, and minimization Illustrates quality assurance for satellite observations using real data examples Includes a dedicated chapter on how different satellite instruments see hurricanes Reviews theory, system development, and the numerical experiments of three- and four-dimensional variational data assimilation (3D-Var/4D-Var)

Remote Sensing Applications in Environmental and Earth System Sciences Nicolas R. Dalezios 2021-05-12 *Remote Sensing Applications in Environmental and Earth System Sciences* is a contemporary, multi-disciplinary, multi-scaling, updated, and upgraded approach of applied remote sensing in the environment. The book begins with an overview of remote sensing technology, and then explains the types of data that can be used as well as the image processing and analysis methods that can be applied to each type of application through the use of case studies throughout. Includes a wide spectrum of environmental applications and issues Explains methodological image analysis and interpretation procedures for conducting a variety of environmental analyses Discusses the development of early warning systems Covers monitoring of the environment as a whole – atmosphere, land, and water Explores the latest remote sensing systems in environmental applications This book is an excellent resource for anyone who is interested in remote sensing technologies and their use in Earth systems, natural resources, and environmental science.

Solar and Infrared Radiation Measurements, Second Edition Frank Vignola 2019-08-16 The rather specialized

field of solar and infrared radiation measurements has become increasingly important due to the increased demands by the renewable energy and climate change research communities for data with higher accuracy and increased temporal and spatial resolutions. Recent advances in radiometry, measurement systems, and information dissemination also have increased the need for refreshing the literature available for this topic. This book provides the reader with an up-to-date review of the important aspects of solar and infrared radiation measurements: radiometer design; equipment installation, operation, maintenance, and calibration; data quality assessment parameters; and the knowledge necessary to properly interpret and apply the measured data to a variety of topics. Each of the authors has more than 40 years of experience with this subject, primarily as the result of developing and operating multiple measurement stations, working with the industry to improve radiometry, and conducting various research projects. The book's scope and subject matter have been designed to help a wide audience gain a general understanding of this subject and to serve as a technical reference. A student new to the field will benefit from the review of terminology and the historical perspective for radiometry before addressing more detailed topics in radiometry that we hope will be of interest to the more experienced reader. ☑ Describes the strengths and weaknesses of irradiance instruments ☑ Provides detailed information on how to assess uncertainty in measurements ☑ Offers comprehensive background information needed to understand the use of solar instrumentation ☑ Discusses design concepts for shadowband radiometers, sky imagers, and satellite-based estimates of solar irradiance at the Earth's surface ☑ Includes chapter-end questions, references, and useful links

Advancing Earth Surface Representation via Enhanced Use of Earth Observations in Monitoring and Forecasting Applications Gianpaolo Balsamo 2019-08-23 The representation of the Earth's surface in global monitoring and forecasting applications is moving towards capturing more of the relevant processes, while maintaining elevated computational efficiency and therefore a moderate complexity. These schemes are developed and continuously improved thanks to well instrumented field-sites that can observe coupled processes occurring at the surface-atmosphere interface (e.g., forest, grassland, cropland areas and diverse climate zones). Approaching global kilometer-scale resolutions, in situ observations alone cannot fulfil the modelling needs, and the use of satellite observation becomes essential to guide modelling innovation and to calibrate and validate new parameterization schemes that can support data assimilation applications. In this book, we review some of the recent contributions, highlighting how satellite data are used to inform Earth surface model development (vegetation state and seasonality, soil moisture conditions, surface temperature and turbulent fluxes, land-use change detection, agricultural indicators and irrigation) when moving towards global km-scale resolutions.

Miscellaneous Product Catalog. Translated English of Chinese Standard. (MT; MT/T; MTT)
<https://www.chinesestandard.net> 2018-01-01 This document provides the comprehensive list of Chinese Industry Standards - Category: MT; MT/T; MTT.

Signal and Information Processing, Networking and Computers Yue Wang 2020-12-17 This book collects selected papers from the 7th Conference on Signal and Information Processing, Networking and Computers held in Rizhao, China, on September, 2020. The 7th International Conference on Signal and Information

Processing, Networking and Computers (ICSINC) was held in Rizhao, China, on September, 2020.

Advanced Remote Sensing Shunlin Liang 2012-12-06 *Advanced Remote Sensing* is an application-based reference that provides a single source of mathematical concepts necessary for remote sensing data gathering and assimilation. It presents state-of-the-art techniques for estimating land surface variables from a variety of data types, including optical sensors such as RADAR and LIDAR. Scientists in a number of different fields including geography, geology, atmospheric science, environmental science, planetary science and ecology will have access to critically-important data extraction techniques and their virtually unlimited applications. While rigorous enough for the most experienced of scientists, the techniques are well designed and integrated, making the book's content intuitive, clearly presented, and practical in its implementation. Comprehensive overview of various practical methods and algorithms Detailed description of the principles and procedures of the state-of-the-art algorithms Real-world case studies open several chapters More than 500 full-color figures and tables Edited by top remote sensing experts with contributions from authors across the geosciences

Satellites Michel Capderou 2006-01-16 This useful resource deals with satellite orbits, showing how the wide range of available orbits can be used in communications, positioning, remote-sensing, meteorology, and astronomy.

Space Exploration and Humanity: A Historical Encyclopedia [2 volumes] American Astronautical Society 2010-08-23 A complete history of human endeavors in space, this book also moves beyond the traditional topics of human spaceflight, space technology, and space science to include political, social, cultural, and economic issues, and also commercial, civilian, and military applications. • 580 articles describing various aspects of manned and unmanned space exploration, including a full range of social, technological, and political issues, such as government policy, nationalism, and the technology/military-driven economy • Six overview essays, introducing each of the encyclopedia's major sections and putting that aspect of space exploration into historical context • 136 contributors, many who are leading space historians and experts affiliated with the American Astronautical Society, make firsthand knowledge and fresh insights accessible to all audiences • Numerous photos, including stunning shots from space, star charts, technical drawings, and more • Short bibliographies conclude each entry, pointing readers to the best sources to find out more about the topic • A Glossary defining the various technical terms encountered in the encyclopedia

Satellite Earth Observations and Their Impact on Society and Policy Masami Onoda 2017-06-16 The result of a workshop bringing together an international advisory board of experts in science, satellite technologies, industry innovations, and public policy, this book addresses the current and future roles of satellite Earth observations in solving large-scale environmental problems. The book showcases the results of engaging distinct communities to enhance our ability to identify emerging problems and to administer international regimes created to solve them. It also reviews the work of the Policy and Earth Observation Innovation Cycle (PEOIC) project, an effort aimed at assessing the impact of satellite observations on environmental policy and to propose a mission going forward that would launch an "innovation cycle". The achievements of such a mission would feed back to innovations in next-generation observation technology, thus contributing to global policy

demand for policy-relevant information. This book is open access under a CC BY license.

Stamping the Earth from Space Renato Dicati 2017-01-10 This unique book presents a historical and philatelic survey of Earth exploration from space. It covers all areas of research in which artificial satellites have contributed in designing a new image of our planet and its environment: the atmosphere and ionosphere, the magnetic field, radiation belts and the magnetosphere, weather, remote sensing, mapping of the surface, observation of the oceans and marine environments, geodesy, and the study of life and ecological systems. *Stamping the Earth from Space* presents the results obtained with the thousands of satellites launched by the two former superpowers, the Soviet Union and the United States, and also those of the many missions carried out by the ESA, individual European countries, Japan, China, India, and the many emerging space nations. Beautifully illustrated, it contains almost 1100 color reproductions of philatelic items. In addition to topical stamps and thematic postal documents, the book provides an extensive review of astrophilatelic items. The most important space missions are documented through event covers and cards canceled at launch sites, tracking stations, research laboratories, and mission control facilities.

Civilian Satellite Remote Sensing 1994

Manual of Digital Earth Huadong Guo 2019-11-18 This open access book offers a summary of the development of Digital Earth over the past twenty years. By reviewing the initial vision of Digital Earth, the evolution of that vision, the relevant key technologies, and the role of Digital Earth in helping people respond to global challenges, this publication reveals how and why Digital Earth is becoming vital for acquiring, processing, analysing and mining the rapidly growing volume of global data sets about the Earth. The main aspects of Digital Earth covered here include: Digital Earth platforms, remote sensing and navigation satellites, processing and visualizing geospatial information, geospatial information infrastructures, big data and cloud computing, transformation and zooming, artificial intelligence, Internet of Things, and social media. Moreover, the book covers in detail the multi-layered/multi-faceted roles of Digital Earth in response to sustainable development goals, climate changes, and mitigating disasters, the applications of Digital Earth (such as digital city and digital heritage), the citizen science in support of Digital Earth, the economic value of Digital Earth, and so on. This book also reviews the regional and national development of Digital Earth around the world, and discusses the role and effect of education and ethics. Lastly, it concludes with a summary of the challenges and forecasts the future trends of Digital Earth. By sharing case studies and a broad range of general and scientific insights into the science and technology of Digital Earth, this book offers an essential introduction for an ever-growing international audience.

Civilian satellite remote sensing : a strategic approach.

China's Space Programme S. Chandrashekar

Space Science in China Wen-Rui Hu 2022-04-13 Space science in China is one of the most active areas in modern science, and China has played a dynamic and steadily increasing role in this field since the 1960s. Until

recently, however, activity in China was a mystery to the rest of the world. With the commercial importance of space, and the fact that space is now used as a laboratory to carry out various experiments, China has recently emerged as an important international competitor. Space Science in China provides a clear understanding of the latest research and progress in such wide-ranging areas as the development and research in solar-terrestrial science, space astronomy, geoscience, remote sensing, microgravity science, and life science.

Chinese Standard. GB; GB/T; GBT; JB; JB/T; YY; HJ; NB; HG; QC; SL; SN; SH; JF; JG; CJ; TB; YD; YS; NY; FZ; JG; QB; SJ; SY; DL; AQ; CB; GY; JC; JR; JT <https://www.chinesestandard.net> 2018-01-01 This document provides the comprehensive list of Chinese National Standards and Industry Standards (Total 17,000 standards).

Earth Observation Remote Sensing Herbert J. Kramer 2012-12-06 Earth science is evolving into Earth system science, changing from a discipline-specific premise to an interdisciplinary endeavor. Increased awareness of human dependence and impact upon the environment has made global change research one of the most pressing policy issues facing decision makers today. This book presents an overview of past, present, and future satellite missions and programs and their sensor complements. An effort has been made to show to some extent the scale and nature of existing national and international activities and operations in this context. Text and illustrations are intended as a guide and roadmap to everyone interested in the wide field of Earth observation. In particular, the book may serve as a reference, or give reasonable inputs, on the following subjects: Programmatic planning on all levels, planning for the required infrastructure, existing and planned operational service provision, data utilization and exploitation.

Early Warning Systems for Natural Disaster Reduction Jochen Zschau 2013-11-11 Written for a broad audience this book offers a comprehensive account of early warning systems for hydro meteorological disasters such as floods and storms, and for geological disasters such as earthquakes. One major theme is the increasingly important role in early warning systems played by the rapidly evolving fields of space and information technology. The authors, all experts in their respective fields, offer a comprehensive and in-depth insight into the current and future perspectives for early warning systems. The text is aimed at decision-makers in the political arena, scientists, engineers and those responsible for public communication and dissemination of warnings.

45th Congress of the International Astronautical Federation 1994

Global Satellite Meteorological Observation (GSMO) Applications Stojče Dimov Ilčev 2018-12-05 This book presents principal structures of space systems functionality of meteorological networks, media and applications for modern remote sensing, transmission systems, meteorological ground and users segments and transferring weather data from satellite to the ground infrastructures and users. The author presents techniques and different modes of satellite image interpretation, type of satellite imagery, spectral imaging properties, and enhancement of imaging technique, geo-location and calibration, atmospheric and surface phenomena. Several satellite meteorological applications are introduced including common satellite remote sensing applications, weather analysis, warnings and prediction, observation and measurements of meteorological variables,

atmosphere and surface applications, ocean and coastal applications, land, agriculture and forestry applications, and maritime and aviation satellite weather applications. The author also covers ground segment and user segment in detail. The final chapter looks to the future, covering possible space integrations in meteorological and weather observation. This is a companion book of *Global Satellite Meteorological Observation Theory* (Springer), which provides the following topics: Evolution of meteorological observations and history satellite meteorology Space segment with satellite orbits and meteorological payloads Analog and digital transmission, type of modulations and broadcasting systems Atmospheric radiation, satellite meteorological parameters and instruments Meteorological antenna systems and propagation

FY-2 Geostationary Meteorological Satellite System and Its Application Prospects 1995 The text briefly introduces FY-2 geostationary meteorological satellite, the ground application system and the remote sensing products, and makes a preliminary analysis and prediction of the possible application prospects, of the remote products.

Open Space Mariel Borowitz 2017-12-15 An examination of environmental satellite data sharing policies, offering a model of data-sharing policy development, case and practical recommendations for increasing global data sharing. Key to understanding and addressing climate change is continuous and precise monitoring of environmental conditions. Satellites play an important role in collecting climate data, offering comprehensive global coverage that can't be matched by in situ observation. And yet, as Mariel Borowitz shows in this book, much satellite data is not freely available but restricted; this remains true despite the data-sharing advocacy of international organizations and a global open data movement. Borowitz examines policies governing the sharing of environmental satellite data, offering a model of data-sharing policy development and applying it in case studies from the United States, Europe, and Japan—countries responsible for nearly half of the unclassified government Earth observation satellites. Borowitz develops a model that centers on the government agency as the primary actor while taking into account the roles of such outside actors as other government officials and non-governmental actors, as well as the economic, security, and normative attributes of the data itself. The case studies include the U.S. National Aeronautics and Space Administration (NASA) and the U.S. National Oceanographic and Atmospheric Association (NOAA), and the United States Geological Survey (USGS); the European Space Agency (ESA) and the European Organization for the Exploitation of Meteorological Satellites (EUMETSAT); and the Japanese Aerospace Exploration Agency (JAXA) and the Japanese Meteorological Agency (JMA). Finally, she considers the policy implications of her findings for the future and provides recommendations on how to increase global sharing of satellite data.

Introduction to Environmental Remote Sensing Eric Charles Barrett 1999 First Published in 1999. Routledge is an imprint of Taylor & Francis, an informa company.

Narrow Gap Semiconductors - Proceedings Of The Eighth International Conference Sue-chu Shen 1998-04-09 Contents: Materials and Related Physics: Magnetic Field and Dimensionality Induced Population Effects in HgSe and HgSe:Fe (O Portugall et al) Growth and in Situ Scanning Tunneling Microscopy Studies of IV–VI Semiconductors (Abstract) (G Springholz) Detectors and Arrays: China's Satellite Project for Earth Observation

and Infrared Detection (D-B Kuang)Recent Progress in Quantum Well Infrared Photodetectors and Focal Plane Arrays for LWIR Imaging Applications (S S Li)Infrared Lasers: Mid-Infrared Resonant-Cavity-Based Devices: Of Detectors and Emitters (J Bleuse et al)W Lasers for the Mid-IR (J R Meyer et al)Devices and Related Physics: Optoelectronic Devices from Indium Aluminium Antimonide and Mercury Cadmium Telluride (T Ashley)Three-Terminal Superconductor–Semiconductor Devices (H Takayanagi & T Akazaki)Physics: Coherent Anti-Stokes Raman Scattering in Diluted Magnetic IV–VI Epilayers and Superlattices (H Pascher et al)High Field Cyclotron Resonance in GaSb and Effective Mass at the Γ and L-Points (H Arimoto et al)Quantum Dots: Growth and Characterization of InAs Quantum Dots (N N Ledentsov)Self-Assembled InAs Quantum Boxes: Growth, Intrinsic Properties, Potential Applications (Abstract) (J M Gérard)and other papers
Readership: Researchers in the field of semiconductors.

The Future of Remote Sensing from Space 1993

Earth Science Satellite Remote Sensing John J. Qu 2007-05-18 This book provides information on the Earth science remote sensing data information and data format such as HDF-EOS. It evaluates the current data processing approaches and introduces data searching and ordering from different public domains. It further explores the remote sensing and GIS migration products and WebGIS applications. Both volumes are designed to give an introduction to current and future NASA, NOAA and other Earth science remote sensing.