

1. Record Nr.	UNINA9911154442803321
Titolo	Monitoring earth's ocean, land, and atmosphere from space : sensors, systems, and applications / / edited by Abraham Schnapf
Pubbl/distr/stampa	New York, : American Institute of Aeronautics and Astronautics, c1985
ISBN	1-60086-572-0 1-60086-353-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (867 p.)
Collana	Progress in astronautics and aeronautics ; ; v. 97
Altri autori (Persone)	SchnapfAbraham
Disciplina	629.1 s 551/.028
Soggetti	Artificial satellites Remote sensing - Equipment and supplies
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographies and index.
Nota di contenuto	""Cover""; ""Title""; ""Copyright""; ""Table of Contents""; ""Authors""; ""Preface""; ""Chapter I. Earthview Remote Sensing of the Earth from Space""; ""Introduction""; ""Solar-Terrestrial Interactions""; ""The Dynamic Atmosphere""; ""The Dynamic Oceans and Coastal Regions""; ""The Solid Earth""; ""The Biosphere""; ""The Earth's Climate""; ""The Problems of Categories""; ""International Concerns about Remote Sensing""; ""Commercial Opportunities in Remote Sensing""; ""Future Opportunities for International Cooperation"" ""Possible Effect of NASA's Space Station Program on Earth Observations"" ""Chapter II. Meteorological and Environmental Satellites""; ""The TIROS Meteorological Satellites Twenty-five Years: 1960-1985""; ""The Nimbus Satellite System: Remote Sensing R&D Platform of the 1970's""; ""Introduction""; ""Evolution of the TIROS Program""; ""ITOS The Improved TIROS Operational System""; ""Benefits""; ""The Nimbus Satellite System: Remote Sensing R&D Platform of the 1970's""; ""Introduction""; ""Satellite System Design""; ""Nimbus Achievements""; ""Lessons Learned"" ""Remote Sensing of the Earth with the Defense Meteorological Satellite"" ""Background""; ""Introduction""; ""Block IV""; ""Block 5A""; ""Block 5B and 5C""; ""Block 5D-1""; ""Attitude Determination and Control""; ""Control Functions""; ""The Defense Meteorological Satellite

Program: A Review of Its Impact""; ""Introduction""; ""The Early Years: 1965-1972""; ""The Expanding Years: 1973-1981""; ""The Mature Years: 1982-""; ""The Development of the Geosynchronous Weather Satellite System""; ""Introduction""; ""Applications Technology Satellites""; ""SMS/GOES""; ""GOES"" ""The Current Operational System"" ""Use of Geosynchronous Satellite Measurements""; ""GOES-Next""; ""Data Availability""; ""The GOES-G and -H Spacecraft Design""; ""Introduction""; ""Spacecraft Design Configuration""; ""Communications Subsystem""; ""VAS and VDM Design""; ""SEM Design""; ""Controls Subsystem Design""; ""Telemetry and Command""; ""Power and Propulsion Subsystems""; ""NOAA's Environmental Satellite Data Processing and Derived Products""; ""Polar Satellite Ingest System""; ""Geostationary Satellite Ingest System""; ""Data Processing""; ""Quantitative Products""; ""Images"" ""Analytical Products"" ""Future""; ""The Economic Benefits of Operational Environmental Satellites""; ""Introduction""; ""Activities Benefiting from Operational Environmental Satellite Programs""; ""Earth Radiation Budget Satellite""; ""Introduction""; ""Program Background""; ""The Earth Radiation Budget Satellite Program""; ""Scientific Instruments""; ""Project Operations Control Center""; ""The Upper Atmosphere Research Satellite""; ""Introduction""; ""Mission Characteristics""; ""Observatory""; ""Instruments""; ""Theoretical Investigations""; ""Data Processing System"" ""Complementary Measurements""
