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In summary, remote sensing includes the following six components (Figure 1.1): 1. An energy source, which produces the electromagnetic radiation that interacts between the sensor and the surface. The most important source of energy is the Sun, as it illuminates and heats the Earth.

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Fundamentals of Satellite Remote Sensing Pawan Gupta and Melanie Follette-Cook Satellite Remote Sensing of Air Quality September 19-21, 2017 University of California, Riverside. National Aeronautics and Space Administration Applied Remote Sensing Training Program 2

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The students will also learn about current satellite sensor platforms for remote sensing analysis including passive sensors, synthetic aperture radar, and LiDAR. In addition to learning the basic concepts, terminology, and theories in remote sensing science and application, they will also learn the accurate steps for pre-processing images including radiometric and atmospheric correction techniques.

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It focuses on understanding satellite images and presenting an introduction to remote sensing science fundamentals. It includes an explanation

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Remote Sensing Fundamentals Online Training Course

Fundamentals of Satellite Remote Sensing: An Environmental Approach, Second Edition is a definitive guide to remote sensing systems that focuses on satellite-based remote sensing tools and methods for space-based Earth observation (EO).

Fundamentals of Satellite Remote Sensing (2nd ed.)

5. Remote Sensing Augments Surface Observations. Provides information where surface-based measurements are not available and augments existing

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Fundamentals of Remote Sensing - NASA Arset

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Fundamentals of Satellite Remote Sensing. NASA's Applied Remote Sensing Training Program 2. Objectives. By the end of this presentation, you will be able to:

- outline what the electromagnetic spectrum is
- outline how satellites detect radiation
- name the different types of satellite resolutions.

Fundamentals of Satellite Remote Sensing

Satellite imagery and air photos; Remote Sensing Tutorials . The Canada Centre for Mapping and Earth Observation (formerly Canada Centre for Remote Sensing) is pleased to offer this tutorial on remote sensing technology and its applications.

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Note, however that remote sensing also involves the sensing of emitted energy and the use of non-imaging sensors. 1. Energy Source or Illumination (A) - the

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first requirement for remote sensing is to have an energy source which illuminates or provides electromagnetic energy to the target of interest. 2.

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