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and Aerial

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Spectrum

Surveying~ Lec

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methods for
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presents the
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using remote
sensing data for
studying and
monitoring the
planet, and

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emphasizes
concepts that
make the best
use of satellite
data.

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systems and on
to visual and

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and analysis of
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they improve our
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processes and
their

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data as a
valuable source
of information
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aims to describe
sources of
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sensing data and
how this data
can be exploited
as a key piece
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When an object does not absorb any of the incident energy, it is called a white body, f32

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reflecting all energy received (emissivity = 0). Gray bodies absorb and emit a fixed proportion of energy equally at all wavelengths.

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An overview of
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satellites and
sensors;
advantages and
disadvantages of
remote sensing;
satellite data
processing
levels; and

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going from
observations to
applications.

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many important
topics, such as
various usages
and applications
of satellite

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building on the
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systems and on
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techniques. The
text focuses on
the
interpretation
and analysis of
remote sensing

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and are often a
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other ARSET
trainings.

Objective.

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will become

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understanding of
remote sensing,
attendees will
also be able to

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all basics of
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preprocessing,
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interpretation

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of Satellite Covers

near-ground
missions

(including UAV)

and ground

sensors (spectro-
radiometers,
cameras, LIDAR,

etc.) to support

EO analysis

Offers analysis
of image spatial
properties

Presents

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Remote
time series
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analysis, and
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data fusion
Provides
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examples of EO
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different
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problems, with
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principles on
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based has been
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without getting
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equations.

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depth

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advances in
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hyperspectral
analysis
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multiple
applications are
the key features

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correction, the
use of analysis,
tools and
software, and
determine what
to do with HRS
technology and
data.

This book
presents the
fundamentals of
data
assimilation and

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application of
satellite remote
sensing in
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data
assimilation.

Although
hydrological
models are
valuable tools
to monitor and
understand
global and

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the basics, with

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presented in
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background in
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