

## Envi Atmospheric Correction Module User S Guide

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The Atmospheric Correction Module provides two atmospheric correction modeling tools for retrieving spectral reflectance from multispectral and hyperspectral radiance images: Quick Atmospheric Correction (QUAC) and Fast Line-of-sight Atmospheric Analysis of Spectral Hypercubes (FLAASH). With the Atmospheric Correction Module, you can accurately

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ENVI's atmospheric correction module, FLAASH (Fast Line-of-sight Atmospheric Analysis of Spectral Hypercubes), is a first-principles atmospheric correction modeling tool for retrieving spectral reflectance from hyperspectral radiance images. With FLAASH, you can accurately compensate for atmospheric effects.

## ENVI FLAASH User's Guide - SELab

The Atmospheric Correction Module provides two atmospheric correction modeling tools for retrieving spectral reflectance from multispectral and hyperspectral radiance images: QUick Atmospheric Correction (QUAC ®) and Fast Line-of-sight Atmospheric Analysis of Spectral Hypercubes (FLAASH ®). You must have a separate license for the ENVI Atmospheric Correction Module; contact your sales representative for more information.

## About the Atmospheric Correction Module

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amount of water vapor and the distribution of aerosols, both of which affect surface reflectance. Because direct measurements of these atmospheric properties are rarely available, they must be inferred from the

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image pixels. The ENVI Atmospheric Correction Module provides two atmospheric correction modeling tools for retrieving spectral reflectance from multispectral and hyperspectral images: Quick Atmospheric Correction (QUAC).

## ENVI ATMOSPHERIC CORRECTION MODULE (ACM)

The Edit ENVI header dialogue (Edit Attributes menu) -Select Wavelengths and enter the correct values by clicking the band number and entering the Wavelength in the “ Edit Selected Item:” box. e.g for Band 1 enter 645. -Make sure that the Wavelength/FWHM Units: menu is set to Nanometers.

## ENVI FLAASH Atmospheric Correction Module: Getting started ...

From the Toolbox, select Radiometric Correction > Atmospheric Correction Module > FLAASH Atmospheric Correction. The FLAASH Atmospheric Correction Module Input Parameters dialog appears. Click Input Radiance Image. The FLAASH Input File dialog appears. Select an input image and perform optional spatial subsetting, then click OK.

## Fast Line-of-sight Atmospheric Analysis of ... - ENVI/IDL

The ENVI and IDL basic package contain ENVI, IDL, and LIDAR data analysis. Additional ENVI modules include Crop Science, Feature Extraction, Atmospheric Correction, DEM Extraction, Photogrammetry, and SARscape. The SARscape module comes as a basic or full suite package. Find out more about these modules in the links below.

## Remote sensing software ENVI | cloudeo | LiDAR Data Analysis

Atmospheric Correction; The ENVI Atmospheric Correction Module provides two atmospheric correction modeling tools for retrieving spectral reflectance from multispectral and hyperspectral images developed by Spectral Sciences: Quick Atmospheric Correction (QUAC®) and Fast Line-of-sight Atmospheric Analysis of Spectral Hypercubes (FLAASH®).

## ENVI in the Cloud - Science | EOhopS Store

Extend the functionality of ENVI with the ENVI Module Bundle which includes ENVI Feature Extraction, ENVI DEM Extraction, ENVI Atmospheric Correction and ENVI Photogrammetry. More information can be found here. IDL ... A free 30 day single user evaluation copy of ENVI is available. Please email [help@chest.ac.uk](mailto:help@chest.ac.uk) to set up.

## Chest - Envi

FLAASH performs its radiation transport calculations with an embedded MODTRAN®, the latest and most accurate version of SSI's industry-standard atmospheric radiance and transmission model. FLAASH is commercially available within the Atmospheric Correction Module (ACM) for ENVI, the popular and powerful image visualization and processing software by Exelis Visual Information Solutions.

## FLAASH Software | Spectral Image Exploitation | Spectral ...

c) FLAASH, ENVI's atmospheric correction algorithm based on MODTRAN4 code, was furthermore applied to the image data. The required sensor spectral response function file was

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