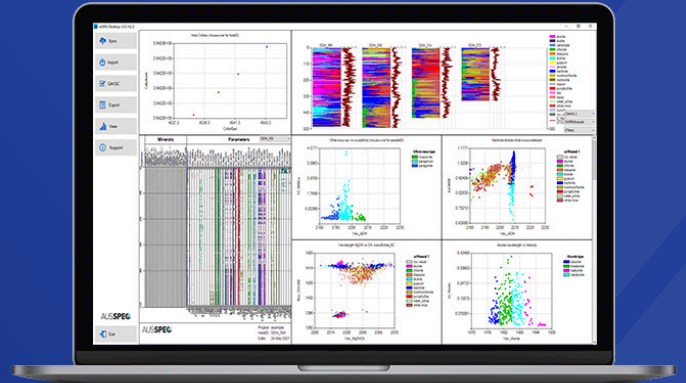


# aiSIRIS™

Spectral geology  
made easy



aiSIRIS™ is a cloud-based spectral interpretation AI solution for infrared portable spectrometer data. aiSIRIS™ makes it easy for anyone who uses portable spectrometers in their operations to have cost-effective, complete, fast, quantitative, and standardised interpretations of spectral data that integrates with existing workflows. As a standard operating procedure, aiSIRIS™ offers standardised outputs of complete mineralogy and analytics that can be trusted for detailed alteration and geomet modelling across all sites.



## Acquire

- TerraSpec 4
- TerraSpec Halo
- TerraSpec Trek
- oreXpress



## QAQC

- Field
- Lab
- Historical
- Improve workflow
- Ensure quality spectra for lifetime of project.



## Upload

- aiSIRIS™ can handle 1000's of spectra/day
- Manage per-user access rights to all company projects globally.



## Download

- Complete mineralogy, up to 8 minerals. (Not just 1 or 2).
- Quantitative measures of mineral spectral abundance
- View data downhole and striplogs.



## View

- Use anywhere
- Synchronised with all users
- Template reporting
- Standardised output.
- Allows for repeatability and predictability of process across sites and over time



## Export

- Export to ioGAS™ and Leapfrog
- Mineral information and quantitative outputs can easily be integrated for alteration modelling.

## Technical Specifications

- Windows 10+ (does not operate on Mac)
- Downloaded file size: 167MB
- Installed application size: 235MB
- Network required to login and sync to aiSIRIS™ Cloud.

## Data Handling

- Supported file formats:
  - All TerraSpec (.asd, .000n-1, .sco)
  - All text formats (.csv, .txt)
  - OreXpress (.sed)
- Import spectra into unique project paths.
- Manage users' project access permissions.
- QA/QC spectra, import spatial and project metadata, upload spectra to aiSIRIS Cloud for processing.
- Download and export processed results as .csv or .GAS files.



## Synchronisation

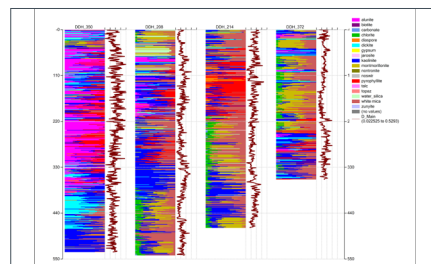
- Allows multiple users working on the same project(s) to:
  - Download changes made by colleagues working on the same projects.
  - Edit metadata after they have been uploaded.
  - Delete duplicate or poor-quality spectra already uploaded to aiSIRIS™ Cloud.
  - Propagate changes to the aiSIRIS™ Cloud to make them available for other users.

## Interoperability

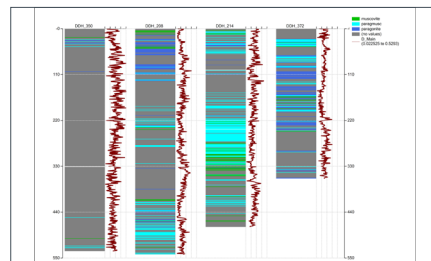
- Easy import of results into ioGAS™, Leapfrog & company databases.

## Statistics, Graphs, Maps

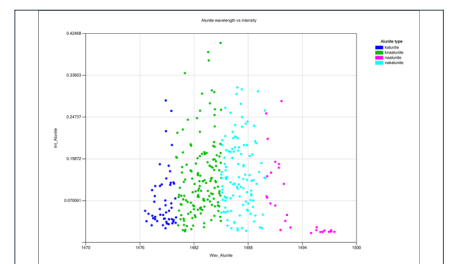
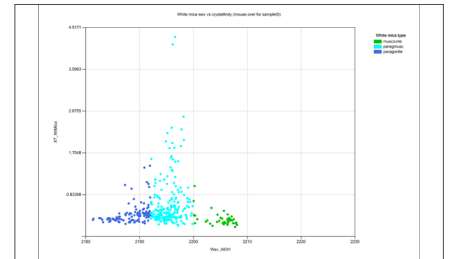
- View aiSIRIS™ results in pre-set, data-driven templates:
- Map View: view map of drillhole collars or surface samples.



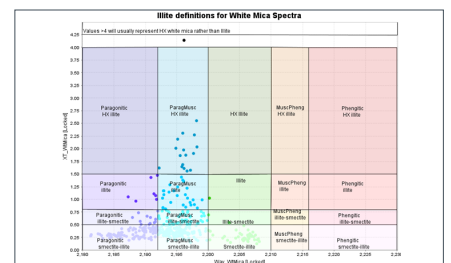
- Striplogs: display
- SWIR and VNIR minerals for up to 30 drillholes.
- Downhole occurrence of Individual minerals and additional mineral information relating to mineral type and crystallinity.



- QuickLog: downhole mineral and spectral parameter results for a single drillhole.
- Use pre-set scatterplots and histograms to analyse spectral parameter and mineral data



- Export plots as image files (.png) option in right-click menu, for easy import into MS Powerpoint & reports.
- Open aiSIRIS™ results in ioGAS™ to access custom-built analytical tools designed to analyse aiSIRIS™ results.



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