FarEarth for SmallSats
Features list

July 2024

farearth
FOR SMALLSATS

SUBSCRIPTION	
Annual	✓
PRE-FLIGHT CALIBRATION	
Custom sensor model	✓
Pre-flight radiometric calibration	✓
Pre-flight calibration report	✓
COMMISSIONING	
Custom Level 0 processor	✓
Raw data format validation	✓
Visualised satellite ancillary data	✓
IN-ORBIT CALIBRATION	
In-orbit geometric calibration	✓
Boresight alignment	✓
Spatial validation report	✓
Absolute radiometric calibration	✓
In-orbit calibration report	✓
Continuous in-orbit radiometric calibration	✓
PROCESSING	
Systematic radiometric and geometric correction	✓
Satellite anomaly compensation	✓
Precision geolocation	✓
Precision band-alignment	✓
Precision geometric refinement	✓
Terrain correction (orthorectification)	✓
Atmospheric correction (surface reflection)	Option
Analysis Ready Data (ARD)	Option

PRODUCT FORMAT	
Map-ready COG format	✓
STAC-compliant metadata and thumbnails	✓
Industry standard product packaging and tiling	✓
Downloadable quality report for each product	✓
ARCHIVE AND CATALOGUE	
Cloud archive storage	✓
Searchable catalogue	✓
Optional extra storage	Option
STAC Catalog API for integration with external systems	✓
Deliver products to external cloud data stores	✓
Reference external STAC Catalogs	✓
SYSTEM	
Managed cloud platform	✓
Seamless scalability for constellations	✓
Data pickup from common cloud storage providers	✓
Configurable processing options	✓
Automated volume processing	✓
Custom workflows and 3rd party processors	Option
OPERATOR INTERFACES	
User management and security	✓
Web-based monitoring and control	✓
Dashboard and notifications	✓
Satellite health monitoring and reports	✓
INTEGRATION	
Extensive APIs for external integration	✓