

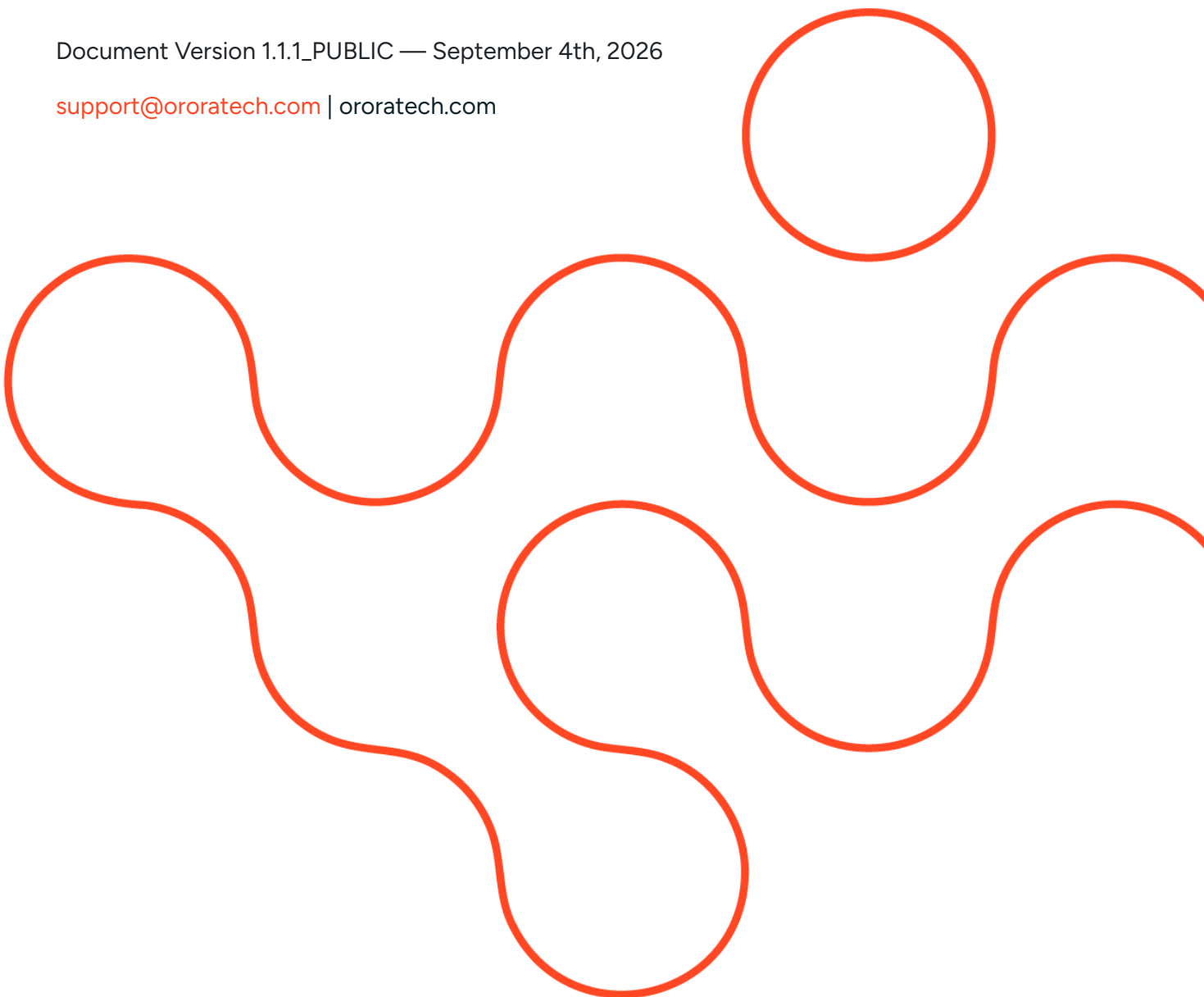
Data Management Plan

Level-1

 Beta

Document Version 1.1.1_PUBLIC — September 4th, 2026

support@ororatech.com | ororatech.com



Contents

Contents	2
Reference Documents	3
Data Management Plan	4

Reference Documents

[RD-01] Ororatech Level-1C Product User Guide

Issue 1.2.1, 04/09/2026

Data Management Plan

The following tables provide an overview of the status and development of available product metadata, as described by the EDAP / CEOS Analysis-Ready Data guidelines. Along with the status we provide a reference to the specific relevant fields in the metadata, which are documented with examples in the Ororatech Level-1C Product User Guide (RD-01).

For the per-pixel metadata, please refer to Section 3.4.1 in [RD-01] for a more detailed description of the data arrays and data quality flags.

Table 1: General Metadata

ID	Title	Details	Current Status
General Metadata			
1.1	Traceability: Metadata and data unique identifier	Unique and persistent identifier for metadata and data (see FAIR principles)	Available Field(s): recording_id
1.2a	Metadata Machine Readability: Naming convention standard	Complies with standard variable, flag, and metadata naming conventions	Available
1.2b	Metadata Machine Readability: Standard file format	Metadata is provided in a structure that enables a computer algorithm to be used consistently and to automatically identify and extract each component part for further use	Available
1.3	Data Collection Time	The data collection time is identified in the metadata, expressed in date/time, to the second, with the time offset from UTC unambiguously identified	Available Field(s): acquisition_time_start, acquisition_time_end
1.4	Geographical Area	The surface location to which the data relates is identified, expressed in an accepted coordinate reference system	Available Field(s): footprints
1.5	Coordinate Reference System	The metadata lists the coordinate reference system that has been used	Available Field(s): reference_system
1.6	Map Projection	The metadata lists the map projection that has been used and any relevant parameters required in relation to use of data in that	Available Field(s): pixel_grid

ID	Title	Details	Current Status
General Metadata			
		map projection	
1.8	Geometric Accuracy	The metadata states the provider estimated geometric accuracy or specification	Available Field(s): geolocation_accuracy, geometric_inputs_ quality_flag, geolocation_ refinement_flag
1.9	Instrument / payload	The instrument used to collect the data is identified in the metadata	Available Field(s): constellation, platform, mission, sensor
1.10a	Spectral Bands	The central wavelength for which data is included is identified in the metadata, expressed in SI units	Available Field(s): bands, wavelengths
1.10b	Spectral Response functions	SRFs for each band are also included or directly accessible using details in the metadata. Central wavelength, upper and lower limits, and full-width at half-maximum values are provided at least.	Available Field(s): bands, wavelengths, bandwidths
1.12	Radiometric Accuracy	The metadata states the provider estimated radiometric accuracy or specification	Not Available Performance targets and validation results can be found in the L1C User Guide and the quarterly Data Quality Reports, respectively.
1.13	Algorithms	All algorithms and versions, and the sequence in which they were applied, are identified in the metadata	Available Field(s): product_level, processing_version
1.14	Auxiliary Data	The metadata identifies the sources of auxiliary data used in the generation process	Available Field(s): ancillary_data
1.16	Data Access	Information on data access should be available in the metadata as a	Available

ID	Title	Details	Current Status
General Metadata			
		single DOI landing page	Field(s): product_access_url
1.18	Sensor View Angles	Information on the sensor view angles: nadir angle and off-nadir angles, zenith and azimuth angles, elevation angle	Available Field(s): sensor_zenith_angle, sensor_azimuth_angle
1.19	Altitude	Distance between the satellite/sensor and the mean sea level (km)	Not Available Implementation planned.
1.20	Sun Angles	Information on the solar zenith and azimuth angles	Available Field(s): solar_zenith_angle, solar_azimuth_angle
1.21	GCP Database	Ground Control Point database, or reference raster, used to georeference or orthorectify the satellite data	Available Field(s): ancillary_data
1.22	References	Metadata and data include qualified references to other (meta)data	N/A

Table 2: Per-Pixel Metadata

ID	Title	Details	Current Status
Per-Pixel Metadata			
2.1	Metadata Machine Readability	Metadata is provided in a structure that enables a computer algorithm to be used consistently and to automatically identify and extract each component part for further use	Available
2.2	No Data	Pixels that do not correspond to an observation are flagged	Available Data Array(s): flags Flag(s): OUTSIDE_FRAME,

ID	Title	Details	Current Status
Per-Pixel Metadata			
			OUTSIDE_BAND
2.3	Incomplete Testing	The metadata identifies which tests have, and have not, been successfully completed for each pixel (quality mask)	Available Data Array(s): flags
2.4	Saturation	Metadata indicates where one or more spectral bands are saturated	Available Data Array(s): flags Flag(s): SATURATED
2.5	Clouds	Metadata indicates whether a pixel is assessed as being cloud	Available Data Array(s): flags Flag(s): CLOUD
2.6	Cloud Shadow	Metadata indicates whether a pixel is assessed as being cloud shadow	Not Available
2.11	Solar and Viewing Geometry	Provide average solar and sensor viewing azimuth and zenith angles	Available Data Array(s): sensor_zenith_angle, sensor_azimuth_angle, solar_zenith_angle, solar_azimuth_angle
2.14	Mask Payloads	Required when the products result from the merging of several payload acquisitions, the payload mask is used to flag pixels located within the payload footprint	Available Data Array(s): flags

Table 3: Radiometric and Atmospheric Metadata

ID	Title	Details	Current Status
Radiometric and Atmospheric Corrections			
3.1	Measurement	Measurement definition/values	Available Data Array(s): radiance, brightness_ temperature

ID	Title	Details	Current Status
Radiometric and Atmospheric Corrections			
			Field(s): radiance_stats_per_ band, brightness_ temperature_stats_per _band, units_per_band

End of document