**PO.DAA User Guide Template: Sections & Organization**

**Guide Version#**

**JPL ID**

**Title**

**Abstract:** document intent & content summary

**Document status information:**  Revision History, Curator, citation

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1. **INSTRUMENT, SPACECRAFT AND MISSION INFORMATION**
   1. Source/Platform Mission Objectives & measurement specifications
   2. Key Measurement definition (eg. sea surface salinity)
   3. Theory of Measurements
   4. Orbit, Sensor/Instrument Measurement Geometry
   5. Equipment: Sensor/Instrument & platform Description, Principles of Operation
   6. Related missions/datasets
   7. *Note: for Aquarius Project Data User Guide, overview information on Data Processing (sect.6 ) was provided here*
2. **Data Set Overview**
   1. Contact Information: dataset technical point of contact
   2. Data Set Identification, Versions, Summary of Parameters, Table/list of data products
   3. Data File characteristics: basic format HDF/NetCDF & organization
   4. File Naming Conventions
   5. Spatial/Temporal characteristics: Coverage & resolution, latency, gridding
   6. Overview of Key parameters: definition, measurement units, value ranges, uncertainty/error range
3. **Data Discovery & Access**
   1. PO.DAAC data portal search (other discovery portals? GCMD)
   2. Access procedures: open/registration
   3. PO.DAAC User Services & HelpDesk
   4. Data Services: FTP (basic directory structure & usage), OPENDAP (basic usage & info pointers), THREDDS (basic usage & info pointers), external?
   5. Tools: LAS, HITIDE, SOTO, (poet, dataminer), external?
   6. Read Software & usage (Matlab, IDL, other?)
4. **Data File Organization** - detailed descriptions by product/granule type & Level (L2 ,3, 4 as applicable)
   1. Overview of File Data structures & metadata
   2. Globale dataset Level Metadata Fields, descriptions and sample values
   3. Granule/data structure level metadata fields, descriptions and sample values
5. **Data quality Aspects:** Calibration, Validation, Uncertainty, Issues
   1. Overview of cal/val activities & dataset provenance
   2. Data quality assessment
   3. Measurement parameter Error Levels & sources
   4. Known problems & data limitations
   5. Usage considerations/guidance
6. **Data processing**
   1. Processing sequence
   2. Algorithm and processing changes
   3. Special Corrections/Adjustments

**Applications:** example applications of data products (if applicable)

**References**

**Acronyms**

**Glossary (optional)**

**Acknowledgements (optional)**

**Appendices**