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

**Guide Version#**

**JPL ID**

**Title**

**Abstract:** document intent & content summary

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

**Table of Contents**

**List of Tables**

**List of Figures**

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**