



Discussion

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Questions

- **What are your concerns about funding continuity and transitioning?**

Web Presence Supports Transparency

Daily Optimum Interpolation Sea Surface Temperature

■ Completed
■ In Process

Maturity	Sensor Use	Algorithm Stability	Metadata & QA	Documentation	Validation	Public Release	Science & Applications
1	Research Mission	Significant changes likely	Incomplete	Draft ATBD	Minimal	Limited data availability to develop familiarity	Little or none
2	Research Mission	Some changes expected	Research grade (extensive)	ATBD Version 1	Uncertainty estimated for select locations/times	Data available but of unknown accuracy; caveats required for use.	Limited or ongoing
3	Research Missions	Minimal changes expected	Research grade (extensive); Meets international standards	Public ATBD; Peer-reviewed algorithm and product descriptions	Uncertainty estimated over widely distribute times/location by multiple investigators; Differences understood.	Data available but of unknown accuracy; caveats required for use.	Provisionally used in applications and assessments demonstrating positive value.
4	Operational Mission	Minimal changes expected	Stable, Allows provenance tracking and reproducibility; Meets international standards	Public ATBD; Draft Operational Algorithm Description (OAD); Peer-reviewed algorithm and product descriptions	Uncertainty estimated over widely distribute times/location by multiple investigators; Differences understood.	Data available but of unknown accuracy; caveats required for use.	Provisionally used in applications and assessments demonstrating positive value.
5	All relevant research and operational missions; unified and coherent record demonstrated across different sensors	Stable and reproducible	Stable, Allows provenance tracking and reproducibility; Meeting international standards	Public ATBD, Operational Algorithm Description (OAD) and Validation Plan; Peer-reviewed algorithm, product and validation articles	Consistent uncertainties estimated over most environmental conditions by multiple investigators	Multi-mission record is publicly available with associated uncertainty estimate	Used in various published applications and assessments by different investigators
6	All relevant research and operational missions; unified and coherent record over complete series; record is considered scientifically irrefutable following extensive scrutiny	Stable and reproducible; homogeneous and published error budget	Stable, Allows provenance tracking and reproducibility; Meeting international standards	Product, algorithm, validation, processing and metadata described in peer-reviewed literature	Observation strategy designed to reveal systematic errors through independent cross-checks, open inspection, and continuous interrogation	Multi-mission record is publicly available from Long-Term archive	Used in various published applications and assessments by different investigators

CDR Program Goal: Acquiring CDRs and Capability to (Re-)Generate

- **Goal: Transfer of data sets vs. Transfer of generation capability (portable source code and processing framework/scheduler).**
- **In CDR program, we will ultimately require transition of processing capability for contemporary operational algorithms (not all are contemporary – e.g., capture/fix of a segment of historical data, where source code and documentation is required but gov would initially have no plan to re- execute code once historical data segment is provided).**

CDR Program Goal: Acquiring CDRs and Capability to (Re-)Generate

- CDR program seeks to provide the generation capability and monitoring of well- tested/proven codes (i.e., not the bleeding edge of research)
- Allows PI to focus funds/efforts on improvements and analysis and validation.
- Co- generation is good – in fact it is desired.

Standards and Protocols

- **Standards – still TBD – would like to form a tiger- team to recommend coding, portability, format and metadata standards. EOS, DoD, STAR/OSDPD, etc. all have unique standards.**

Decision- making

- **Protocols for generation control/reprocessing. The Fed government is funding “capability acquisitions”, and once transferred, the final authority is NOAA’s – we will be good partners and maintain ongoing dialog with PIs through maintenance contracts or good will.**

Stewardship Teams

- **Stewardship Teams – would like to hear ideas – could seek recommendations from Product Development Team with final naming authority provided by NOAA (to avoid Conflicts of Interest).**
- **First Community Review was proposal peer reviewing (mail and panel).**