

Advancing Global Ocean Colour Observations



to justify requirements through the uncertainty budget of the SVC process. The goal of this review is to agree on

ensure

part of the INSITU-OCR initiative.

discussion about the requirements.

harmonisation and rationalise efforts, as

A draft version of the EUMETSAT Requirement Document will be sent to all participants three weeks before the workshop to ensure fruitful feedbacks and

international

consensus,

MONDAY 15 MAY	AUDITORIUM II	
BREAKOUT SESSION 3	Ocean Colour Vicarius Calibration: Community Requirements for Future Infrastructure	
Co-Chairs:	Constant Mazeran (Solvo), Christophe Lerebourg (A	ACRI-ST), Sean Bailey (NASA/GSFC)
Synopsis:		
Part I:		System vicarious calibration (SVC) is a
On-going activities	and existing/under-development infrastructures for SVC	crucial component for all current and
14:15 – 14:25	On-going SVC activities in Space agencies (EUMETSAT, ESA and NASA) Constant Mazeran (Solvo), Christophe Lerebourg (ACRI- ST), Sean Bailey (NASA/GSFC)	future ocean colour missions to achieve global, climate quality, Ocean Colour Radiometry (OCR). This workshop is a follow-up of the IOCS 2013' splinter session on vicarious calibration which
14:25 – 14:35	Overview and status of the HYPERNAV concept Andrew Barnard (Sea-Bird Scientific)	expected to be "the start for additional international actions aiming at detailing
14:35 – 14:45	Overview and status of the HARPOONS concept Sean Bailey on behalf of Carlos Del Castillo (NASA/GSFC)	specific requirements and methods for SVC of new missions like PACE and Sentinel-3". It will built upon various
14:45 – 14:55	Overview and status of the MOBY-NET concept Kenneth Voss (University of Miami)	activities effectively initiated by space agencies since then:
14:55 – 15:05	Overview and status of the BOUSSOLE concept David Antoine (CNRS-LOV & Curtin University)	addressing SVC for PACE;
Part II:		- THE ESA'S FRIVIASOC Project started in 2016, which has organised in February 2017
Discussion on comn	nunity requirements for any future SVC programme	a workshop on "Options for future European
15:05 - 16:00	What are the high level scientific and technical	satellite OCR vicarious adjustment
	requirements?	infrastructure for the Sentinel-3 OLCI and
	This will cover field infrastructure (spectral and	Sentinel-2 MSI series";
	radiometric requirements, SI-traceability, etc.),	-The on-going EUMETSAT's project on
	number and location of sites, environmental factor,	"Requirements for Copernicus Ocean Colour Vicarious Calibration
	uncertainty assessment, SVC gain computation, etc.	Infrastructure", a European Commission
16:00 - 16:30	What are the operational requirements?	Copernicus study.
	This will cover field operations and maintenance	The workshop will first quickly present
	(laboratory expertise, radiometer rotation, instrument	the status of four main SVC instrumental
	performance monitoring), requirements on data	concepts, either existing or under-
	SVC, etc.	framework: HYPERNAV, HARPOONS,
16:30 - 17:00	What are the recommendation in term of	MOBY-NET and BOUSSOLE.
	programmatic steps and international activities?	community discussion to review and
	This will cover short and longer term activities to	justify requirements for future SVC
	support future SVC programme and required	infrastructures in the world. As a
	Collaboration at international level through the INSITU-	guideline, we will follow items covered by
	intercomparison training etc.)	the EUMETSAT requirement document,
	intercompanson, iranning, etc.)	encompassing the SVC process, the field
		the operational aspects. The loaic will be