



GXXII VIRTUAL MEETING – 7-11 June 2021

Draft Programme

Schedule for Live Sessions			
Session		Times in UT	
		start	end
Monday	GXXII Welcome	13:00	13:30
	Task Team Reporting 1 <i>Climate Data Assessment Framework, GHRSSST MDB, Feature Resolution</i>	13:30	15:00
Tuesday	Task Team Reporting 2 <i>Shipborne Radiometry, Cloud masking, SSES and L4, High Latitude SST</i>	13:00	15:00
Wednesday	GHRSSST Priorities (Panel discussions)	13:00	14:30
Thursday	Task Team Reporting 3 <i>Climatology and L4 Intercomparison, Coral Heat Stress User SST Requirements, HRSSST for Satellite SST</i>	13:00	14:30
Friday	Task Team Reporting 4 <i>Regional and Global Task Sharing</i>	13:00	13:30
	GXXII Closing Session	13:30	15:00

Presentations for the Science sessions will be available to view on the meeting Moodle at any time throughout the meeting. Online forum will be available for Q&A.

Green = Oral

Blue = Poster

No colour = mainly slides

Science sessions - Oral and poster presentations	
Science 1: <u>Challenging Regions: The Coastal Margin and The Arctic</u>	
Chair:	
Co-chairs:	
S1-ID-034 - Introducing the ISRO-CNES TRISHNA mission for high resolution SST observations in coastal ocean and continental waters	Emmanuelle Autret
S1-ID-012 - SST at 70-m scale from ecostress on the space station: application to complex coasts and intertidal flats	David S.Wethey

S1-ID-040 - Development of consistent surface temperature retrieval algorithms for the sea surface, marginal ice zone and sea ice in the polar regions	Jacob Høyer
S1-ID-025 - Status and plans for the sea-ice concentration data records from the EUMETSAT OSI SAF and ESA CCI: possibilities for polar SST products	Thomas Lavergne
S1-ID-013 - Ultra high-resolution SST from NASA ECOSTRESS resolves fine structure of upwelling zones	Nicolás Weidberg
S1-ID-021 - Validation of satellite sea surface temperatures and long-term trends in Korean coastal regions (1982–2018)	Kyung-Ae Park
S1-ID-039 - A CMEMS level 4 SST and IST climate data set for the Arctic	Pia Nielsen-Englyst
S1-ID-006 - Using Saildrones to Validate Sea Surface Temperatures in the Arctic	Jorge Vazquez

Science 2: Applying The Data: Spatio-temporal Variation; Extreme Events

Chair:

Co-chairs:

S2-ID-046 - Detection and Characterisation of Marine Heat Waves in the Mediterranean Sea in the past 40 years	Francesca E Leonelli
S2-ID-036 - Deep Learning of Sea Surface Temperature Patterns to Identify Ocean Extremes	J. Xavier Prochaska
S2-ID-038 - Instrument Noise, Retrieval Issues or Geophysical Signal?	Peter Cornillon
S2-ID-028 - Studying the thermal skin layer using thermofluorescent dyes	Peter Minnett
S2-ID-041 - The NOAA STAR SOCD OceanView (OV): An application for integrated visualization of satellite, in situ, and model data & ocean events – the v1.0 release	Prasanjit Dash
S2-ID-015 - The intermittency of Sea Surface Temperature: a global perspective	Jordi Isern-Fontanet
S2-ID-022 - Is there a need for yet another model to account for SST diurnal variability?	Ioanna Karagali
S2-ID-020 - Observations of Infrared SST Autonomous Radiometer (ISAR) Skin Temperatures in the Seas around Korean Peninsula, Indian Ocean, and Northwest Pacific	Kyung-ae Park
S2-ID-037 - Revealing Fundamental SST Patterns with Deep Learning	J. Xavier Prochaska

Science 3: Calibration, Validation and Product Assessment

Chair:

Co-chairs:

S3-ID-042 - Uncertainty validation of shipborne radiometers	Werenfrid Wimmer
S3-ID-009 - A completeness and complementarity analysis of the data sources in iQuam	Haifeng Zhang
S3-ID-001 - Saharan dust effects on North Atlantic sea surface skin temperatures	Bingkun Luo
S3-ID-048 - Use of ESA CCI SST analysis to validate sampling and measurement error models for SST from ships	Alexey Kaplan
S3-ID-003 - Evaluation of AIRS and CrIS SST measurements relative to three globally gridded SST products between 2013 and 2019	Jorge Vazquez
S3-ID-004 - Assessment and intercomparison of NOAA Daily Optimum Interpolation Sea Surface Temperature (DOISST), version 2.1	Boyin Huang

S3-ID-032 - Using SAILDRONE Campaigns to assess the accuracy of SST gradients in Level 2 SST datasets	Marouan Bouali
S3-ID-035 - EUMETSAT SLSTR SST multi-mission matchup database: ongoing work, TRUSTED MDB and evolutions	Igor Tomazic
S3-ID-019 - Validation of SGLI SST	Yukio Kurihara

Science 4: <u>Algorithms</u>	
Chair:	
Co-chairs:	
S4-ID-018 - Optimal Estimation of SST from INSAT-3D/3DR Imagers	Rishi K Gangwar
S4-ID-033 - A New Operational Mediterranean Diurnal Optimally Interpolated SST Product within the Copernicus Marine Service	Andrea Pisano
S4-ID-014 - Bias-aware optimal estimation for sea surface temperatures from historic AVHRRs	Chris Merchant
S4-ID-027 - Developments towards a 40-year climate data record from the ESA Climate Change Initiative	Owen Embury
S4-ID-045 - Open source algorithms for AMSR3	Chelle Gentemann
S4-ID-008 - Historical and Near-real Time SST retrievals from Metop AVHRR FRAC with ACSPO 1	Victor Pryamitsyn
S4-ID-030 - USE of ERA-5 Sea Surface Temperature Fields as prior in Optimal Estimation retrieval of SST from MODIS	Goshka Szczodrak
S4-ID-029 - Towards Improved ACSPO Clear-Sky Mask for SST from Geostationary Satellites	Alexander Semenov
S4-ID-047 - Bayesian Cloud Detection Scheme improvements for the SLSTR instrument	Claire Bulgin

Science 5: <u>Computing and Products</u>	
Chair:	
Co-chairs:	
S5-ID-044 - Science Storms the Cloud	Chelle Gentemann
S5-ID-024 - Analysis Ready Data applications for GHRSSST and related data	Ed Armstrong
S5-ID-016 - PODAAC milestone: GHRSSST data migrating to AWS Cloud	Wen-Hao Li
S5-ID-026 - The Sea Surface Temperature analysis in the NCEP GFS and the future NCEP UFS	Xu Li
S5-ID-010 - First Evaluation of the Diurnal Cycle in the ACSPO Global Super-Collated SST from Low Earth Orbiting Satellites (L3S-LEO)	Olafur Jonasson
S5-ID-011 - Towards ACSPO Super-Collated Gridded SST Product from Multiple Geostationary Satellites (L3S-GEO)	Lars Hunger
S5-ID-023 - Use of ESA SST CCI data in HadISST2	John Kennedy
S5-ID-017 - Himawari-8 and Multi-sensor sea surface temperature products and their applications	Pallavi Govekar
S5-ID-031 - Recent Updates Of CMC SST Analysis	Dorina Surcel-Colan

S5-ID-005 - Copernicus Sentinel-3 SLSTR Sea (and sea-Ice) Surface Temperature: product status, evolutions and projects	Anne O'Carroll
S5-ID-043 - Updates of AMSR3 on GOSAT-GW and its Ocean Products	Misako Kachi
S5-ID-002 - Presenting a new high-resolution Climate Data Record product	Mark Worsfold
S5-ID-007 - Filtering cold outliers in NOAA AVHRR SST for ACSPO GAC RAN2	Boris Petrenko

Agency News

Agency reporting will be by slide deck and online forum