

CFOSAT 4rd International Science Team Meeting Draft agenda							
CFOSAT Science team Meeting	Day 1 : 2023 November 28 <sup>th</sup> Zoom link : <a href="https://us02web.zoom.us/j/86774064074?pwd=YUJKeGVUM9FYjRRQmW1R0dva1RTdz09">https://us02web.zoom.us/j/86774064074?pwd=YUJKeGVUM9FYjRRQmW1R0dva1RTdz09</a> Zoom Meeting ID: 867 7406 4074, Code: 265635						
	session	Chair	Nanjing time (UTC+8)	presentation	questions	Presentation title	Speaker
	Opening session	Zhang Yanlin	08:30	00:10		Welcome speech from the NUIST and NSOAS authority	Guan Zhaoyong Lin Mingsen Dong Changming
			08:40	00:10		In memory of Liu Jianqiang	Lin Mingsen Hauser Danièle
		Sun Congrong	08:50	00:10		Science team welcome and introduction	Aouf Lotfi Xu Ying
			09:00	00:15		Introduction of CFOSAT orbit and platform current status	Yan Cheng
			09:15	00:15		SWIM instrument status and performance FROGS (FRench Ground Segment) Status	Tourain Cédric Lachiver Jean-Michel
			09:30	00:15		SCAT instrument status and performance CHOGS (CHinese Ground Segment) Status	Yun Risheng Xu Ying
	SCAT product assessment	Lin Wenming Hauser Danièle	09:45	00:15	00:05	Recent advancements in CFOSAT wind retrieval at IFREMER Wave and Wind Operational Center	Mironov Alexey
			10:05	00:15	00:05	Calibration strategy for the CFOSAT scatterometer data reprocessing	Lin Wenming
				10:25	00:15	Break/Group photo	
	SWIM product assessment	Lin Wenming Hauser Danièle	10:40	00:15	00:05	Characterizing the uncertainties in partitioned swell heights from CFOSAT SWIM, Sentinel-1 SAR and directional buoys	Wang He
			11:00	00:15	00:05	Preliminary Design of an Electric Scanning Satellite wave scatterometer work mode	Chen Ping
			11:20	00:15	00:05	Comparisons of CFOSAT SWIM wave measurements against wave buoys	Khan Salman Saeed
			11:40	00:15		Questions and conclusions	
				11:55	02:05	Lunch	
	SWIM product assessment	Sun Congrong Lachiver Jean-Michel	14:00	00:15	00:05	Improving SWIM wave spectra quality : parasitic peaks filtering	Peureux Charles
			14:20	00:15	00:05	Characterisation of SWIM speckle noise spectra using "speckle mode" acquisitions	Gombert Baptiste
			14:40	00:15	00:05	Analysis of SWIM cross-spectra from non-nominal macrocycle	Guillon Gilles
			15:00	00:15	00:05	Vectorized Validation Method for Spherical Centroid Voronoi Polygon Mesh in Ocean Wave Forecasting	Xie Mingyan
			15:20	00:15	00:05	Statistical analysis of SWIM data collocated with WW3 model for MTF assessment	Guillon Gilles
			15:40	00:15	00:05	Exploring deep neural networks for data-driven SWIM MTF inversion	Lopez Radcenco Manuel
				16:00	00:10	Break	
	SWIM product assessment	Sun Congrong Lachiver Jean-Michel	16:10	00:15	00:05	Impact of rain on satellite measurements under a tropical cyclone.	Zhao Xiaolu
			16:30	00:15	00:05	Investigations on SWIM inter beam biases over different surfaces types	Gounou Amanda
			16:50	00:15	00:05	Updated wind speed model for SWIM nadir altimeter	Tran Nigan
			17:10	00:15	00:05	SWIM quality improvements and downstream diffusion	Olivier Annabelle
			17:30	00:15	00:05	Validation of Nadir SWH and its Variance Characteristics from CFOSAT in China's Offshore Waters	Xu Jingwei
17:50			00:15	00:05	The High Level Wave Products From CFOSAT: The Maximum Wave Height and Wide Swath Significant Wave Height	Wang Juke	
18:10			00:15		Questions and conclusions		
18:25			Meeting adjourned				

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CFOSAT Science team Meeting	Day 2 : 2023 November 29 <sup>th</sup> Zoom link : <a href="https://us02web.zoom.us/j/84832247652?pwd=VG80MUxzR3cvMWZkWEZ0VilodzhtQT09">https://us02web.zoom.us/j/84832247652?pwd=VG80MUxzR3cvMWZkWEZ0VilodzhtQT09</a> Zoom Meeting ID: 848 3224 7652, Code: 872700						
	session	Chair	Nanjing time (UTC+8)	presentation	questions	Presentation title	Speaker
	Invited presentation	He Yijun	08:30	00:20	00:10	New air-sea fluxes estimation from CFOSAT	Qiao Fangli
	Wind and Waves	Aouf Lotfi Xu Ying	09:00	00:15	00:05	Evaluation on typhoon extreme waves in the comparison of the drifting buoy, CFOSAT observations, and the spectral wave model	Shimura Tomoya
			09:20	00:15	00:05	Dynamic collocation between satellite and in-situ measurements in wave remote sensing	Jiang Haoyu
			09:40	00:15	00:05	Swell tracking from storm source to coastline and sea ice	Collard Fabrice
			10:00	00:15	00:05	Exploring the swell attenuation process with CFOSAT SWIM data	Jian Sun
			10:20	00:15	00:05	A novel sea state classification scheme of the global CFOSAT wind and wave observations	LI Huimin
						10:40	00:10
	Wind and Waves	Aouf Lotfi Xu Ying	10:50	00:15	00:05	Probability-based wind-wave relation	Huang Yongxiang
			11:10	00:15	00:05	An Improved 1-D Ocean Surface Description from Goda and Elfouhaily Spectrum with Parameters from the SWIM Product	Xu Xingou
			11:30	00:15	00:05	CFOSAT SWIM data for diagnosis crossing sea state in the inner basins	Badulin Sergei
			11:50	00:15	00:05	A global Stokes drift along-track product from CFOSAT/SWIM	Peureux Charles
			12:10	00:10		Questions and conclusions	
				12:20	01:40	Lunch	
	Wind and Waves	Tourain Cédric Lang Shuyan	14:00	00:15	00:05	Observing directional wave spreading in North Atlantic waters using the CFOSAT/SWIM mission	Dias Frederic
			14:20	00:15	00:05	A review on the assimilation of SWIM directional wave observations in operational model MFWAM : Global and regional IBI	Aouf Lotfi
			14:40	00:15	00:05	Towards assimilation of SWIM observations in ECCO operational wave models	Sun Leqiang
			15:00	00:15	00:05	On the impact of the assimilation of SWIM wave data on Stokes drift : Focus on the Agulhas ocean region	Bedossa Emma
			15:20	00:15	00:05	On the use of geostrophic currents from altimetry with SWIM data : impact on wave forecast	Aouf Lotfi
			15:40	00:10		Break	
	Sea ice, other applications	Tourain Cédric Lang Shuyan	15:50	00:15	00:05	On the sea surface effective reflection coefficient at microwave backscattering	Li Xiuzhong
			16:10	00:15	00:05	Sea Ice Edge and Type Retrieval with CFOSAT Scatterometer Measurements Using Random Forest Classifier	Zhai Xiaochun
			16:30	00:15	00:05	The inversion of sea ice parameters based on SWIM	Liu Meijie
			16:50	00:15	00:05	Sea-Ice detection from SWIM off nadir beams	Aouf Lotfi
			17:10	00:10		Questions and conclusions	
				17:20	00:10	Science team closing	
				18:00	Science team reception		

**CFOSAT 4rd International Science Team Meeting  
Poster session**

CFOSAT Science team Meeting	Error analysis of sea surface backscatter coefficient of CFOSAT	Dong Ying
	Towards an improved Wind Quality Control for CFOSAT Scatterometer	Mou Xiaoheng
	High accuracy retrieval of SWH based on an improved algorithm with accounting for non-linear random sea surface	Tian Jiasheng
	Research on high-precision significant wave height joint retrieval method by the CFOSAT SWIM and GF-3 SAR data	Ren Lin
	Probability prediction of extreme waves based on clustering and machine learning methods	Wang Yiqi
	Study on the wind and wave fields in the Yellow Sea using satellite and ocean research station data	Kim Taerim
	Characteristics of CFOSAT scatterometer backscatters over the sea ice	Yang Liqing
	Identification of sea ice types in CFOSAT multi-sensor data	Jiang Chengfei
	Interannual variation of summer sea surface temperature in the Amundsen Sea, Antarctica	He Hailun
	Ocean Response to Typhoon Ma-on	Tian Ruizhen
	An Estimating Method for the intensity and structural parameters of tropical cyclones using SMAP sea surface wind speed data	Xu Chao
	Response of sea temperature and wave height to consecutive tropical cyclones in the shallow water of Beibu Gulf: A case study of 'Lion Rock' and 'Kompasu' in 2021	Chen Xiaotong