

CFOSAT 3rd International Science Team Meeting
Live sessions agenda

Day 1 : 2022 September 12th

CFOSAT Science team Meeting	session	Chair	time (UTC+1)	presentation	questions	Presentation title	Speaker
				08:30		00:30	welcome coffee
		Lachiver Jean-Michel	09:00		00:20	Science team welcome and introduction	Hauser Daniele Liu Jianqiang ...
			09:20		00:10	CFOSAT orbit state and platform in-orbit performance introduction	Yan Cheng
			09:30		00:20	SCAT instrument status and performance CHOGS (CHinese Ground Segment) Status	Zhu Di, Sun Congrong
			09:50		00:20	SWIM instrument status and performance FROGS (FRench Ground Segment) Status	Tourain Cédric Lachiver Jean-Michel
			10:10		00:15	Break	
	SCAT product assessment	Lin Wengming Hauser Danièle	10:25	00:20	00:05	Understanding of Ku-band backscattered signal properties using combined multiinstrumental	Mironov Alexey
	SWIM product assessment		10:50	00:20	00:05	Evaluating the partitioned swell heights observed from CFOSAT SWIM and Sentinel-1 SAR via triple collocation	Wang He
			11:15	00:20	00:05	Validation of Wave Spectral Partitions from SWIM instrument on-board CFOSAT against in-situ Data	Jiang Haoyu
			11:40	00:20	00:05	Statistical comparison of ocean wave directional spectra derived from SWIM/CFOSAT satellite observations and from buoy observations	Xu Ying
			12:05	00:20	00:05	SWIM performance assessment within the tropical cyclone environment	Faozi Said
			12:30	00:20	00:05	SWIM ocean surface wave spectra L2S product	Guitton Gilles
			12:55		00:15	Questions and conclusions	
	13:10			Meeting adjourned			

Side workshop	session	animation	time (UTC+1)	duration	Speaker
	Validation and products	Aouf Lotfi Hauser Danièle	14:30	02:00	Discussion about validation and products orientation: additional presentations (15mn each) : - wavy - a package for wave model validation : Bohlinger Patrik - Synergy between in situ and high resolution model data to validate SWIM nadir significant wave height in the coastal zone : Dodet Guillaume - The SUMOS field campaign : first results on the comparison of wave properties between SWIM, buoys, airborne and marine radar data : Hauser Danièle - SCAT activities for NWP in Météo-France : Payan Christophe
synergy for sea ice	16:30		01:00	Discussion about sea ice and synergies for ice observations : additional presentations (15mn each) : - Sea ice and icebergs characterization using CFOSAT data over polar areas : Girard-Ardhuin Fanny - Ocean and Sea Ice Satellite Application Facility (OSI SAF): product presentation : Membrane Olivier	
			17:30	workshop adjourned	

Day 2 : 2022 September 13th

CFOSAT Science team Meeting	session	Chair	time (UTC+1)	presentation	questions	Presentation title	Speaker
		Wind and Wave analysis	Xu Ying	08:30	00:20	00:05	Exploring SWIM and Sentinel-1 wave spectra measurements complementarities
08:55				00:20	00:05	Wave field in tropical cyclones from SWIM observations	Le Merle Eva
09:20				00:20	00:05	Characterisation of the tropical cyclone induced wave field from satellite observations, in-situ data, and parametric model	Pouplin Clément
09:45				00:20	00:05	A novel sea state classification scheme of the global CFOSAT wind and wave observations	Li Huimin
			10:10		00:25	Break	
Wind and Wave analysis		Tournadre Jean	10:35	00:20	00:05	CFOSAT-based Swells Forecast System: application to Upolu and Savaii islands (Samoa)	Ricondo Alba
			11:00	00:20	00:05	Small scale wave height variability and wave groups	De Carlo Marine
			11:25	00:20	00:05	A study of SWIM directional wave spectra during rogue wave cases	Dalphinnet Alice
			11:50	00:20	00:05	Wave attenuation in the marginal ice zone : thanks to directional wave observations from CFOSAT	Aouf Lotfi
			12:15	00:20	00:05	Wave propagation and attenuation under sea ice	Collard Fabrice
12:40		00:20	questions and conclusions				

		13:00	Meeting adjourned		
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Side workshop	session	animation	time (UTC+1)	duration	Speaker
	Exploratory method and synergy	Aouf Lotfi Hauser Danièle	14:30	01:30	Discussion about potential new methods and synergy for CFOSAT data exploitation : additional presentations (15mn each) : - SRoll an algorithm based on dimension reduction for calibration : FOULQUIER Théo - Ray swell propagation in the Agulhas current through the use of different oceanic current estimates : Le Goff Clément - Exploring statistical insights coupled with deep neural networks for the inversion of the MTF : Lopez Radcenco Manuel
	CFOSAT product usage and promotion : orientation		16:00	01:30	Discussion about CFOSAT product promotion and future use.
			17:30	workshop adjourned	

Day 3 :2022 September 14th						
session	Chair	time (UTC+1)	presentation	questions	Presentation title	Speaker
Sea ice	Arduhin Fanny	08:30	00:20	00:05	Sea ice backscatter model and Bayesian sea ice detection with the CFOSAT scatterometer	Lin Wenming
		08:55	00:20	00:05	Sea ice type classification and snowmelt onset detection in the polar region based on CFOSAT data	Xu Rui
		09:20	00:20	00:05	"Arctic Sea Ice recognition and Classification Based on CFOSAT SWIM Data at Multiple Small Incidence Angles"	Liu Meijie
Perspective for new products	Aouf Lotfi	09:45	00:20	00:05	CFOSAT Wave Field from Wind-Wave Model	Gao Yang
		10:10	00:20	00:05	Accurate Mean Wave Period from SWIM Instrument On-Board CFOSAT	Jiang Haoyu
		10:35	00:15		Break	
Perspective for new products	Aouf Lotfi	10:50	00:20	00:05	CFOSAT has high potential for improving ocean forecasting by considering surface wave-induced stress	Qiao Fangli
		11:15	00:20	00:05	Waves Mean Square Slope (mss) estimation from CFOSAT/SWIM measurements	Gombert Baptiste
		11:40	00:20	00:05	Measurements of total sea surface mean square slope field based on SWIM data	Li Xiuzhong
		12:05	00:20	00:05	The Maximum Wave Height Acquisition from CFOSAT SWIM Based on Machine Learning	Wang Jiuke
		12:30	00:20	00:05	Towards a global Stokes drift product from SWIM/CFOSAT	Peureux Charles
		12:55	00:20			
		13:15	00:15		Science Team closing	
		13:30	End of meeting			

