

CFOSAT 3rd International Science Team Meeting
Live sessions agenda

Day 1 : 2022 September 12th								
Zoom link : https://us02web.zoom.us/j/88271826191?pwd=NDcvQjdUZ0hWQWVUdU5a2tBczlTdDZ09								
session	Chair	time (UTC+1)	presentation	questions	Presentation title		Speaker	
		08:30	00:30		welcome coffee			
Opening session	Lachiver Jean-Michel	09:00	00:20		Science team welcome and introduction		Aouf Lotfi Liu Jiangqiang ...	
		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	The SUMOS field campaign : first results on the comparison of wave properties between SWIM, buoys, airborne and marine radar data		Hauser Danièle	
		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		Guillon Gilles	
		12:55	00:15		Questions and conclusions			
13:10 Meeting adjourned								

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) : - wary - 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 - 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-Arduin Fanny - Ocean and Sea Ice Satellite Application Facility (OSI SAF) : product presentation : Membrane Olivier
17:30 workshop adjourned				

Day 2 : 2022 September 13th							
Zoom link : https://us02web.zoom.us/j/88361061894?pwd=T3p0Y3A2K0lRSjhyNXJCY3dIMHFRdz09							
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		Ollivier Annabelle
		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	Ray swell propagation in the Agulhas current through the use of different oceanic current estimates		Le Goff Clément
		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							

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 - 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				

CFOSAT Science team Meeting	Social event	19:00 00:00	05:00	special social event : Cocktail dinner aboard the "Etoile du Roy"
-----------------------------	--------------	----------------	-------	--

Day 3 : 2022 September 14th							
Zoom link : https://us02web.zoom.us/j/83803965037?pwd=RFItN2lFUzgzZ0h1YU1yY09MTUVUz09							
session	Chair	time (UTC+1)	presentation	questions	Presentation title		Speaker
Sea ice	Arduin 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 Xuzhong
		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		Questions and conclusions
		13:15	00:15		Science Team closing		
13:30 End of meeting							

CFOSAT 3rd International Science Team Meeting		
forum session agenda		
CFOSAT SWIM wave measurements against Southern Ocean buoys		Khan Salman
Tropical Cyclone Winds from CFOSAT Scatterometer: Evaluation and Calibration using SMAP L-band Radiometer		Li Xiaohui
Adapted Bayesian sea ice detection with CFOSAT scatterometer		Li Zhen
the influence of the surfboard effect and hydrodynamic modulation effect on the performance of wave spectrum inversion		Liu Tian
Comparison of wave power throughout South America using models with and without CFOSAT data assimilation		Mundaca-Moraga
Ocean waves in the South Pacific: complementarity of SWIM and SAR observations		Oruba Ludivine
CFOSAT-based Swells Forecast System: application to Upolu and Savaii islands (Samoa)		Ricondo Alba