

JAXA joint workshop JFY 2023, GCOM-C session timetable

On-site session (hybrid; poster is by only on-site) (the hour is shown by JST (UTC+9))

Nov. 7, 2023

Start	End	min	Session	PI No	Name	Affiliation	Research title
9:30	9:32	0:02	Introduction	ER3GCF101	Yoshiaki HONDA	PI team leader	Opening
9:32	9:45	0:13		JAXA	Hiroshi Murakami	JAXA/EORC	GCOM-C science project status (incl. discussion items)
9:45	10:00	0:15		JAXA	Rigen Shimada	JAXA/EORC	Product development (TBD)
10:00	10:15	0:15		JAXA	Kazuhisa Tanada	JAXA/EORC	research topics and web information (TBD)
10:15	10:30	0:15		ER3GCF201	Takashi Nakajima	Tokai Univ.	Global observations of cloud from the GCOM-C SGLI for improving cloud sciences and contributing climate change studies, -Algorithm
10:30	10:45	0:15		ER3GCF203	Hironobu Iwabuchi	Tohoku Univ.	Development of an algorithm for three-dimensional cloud from multispectral and multidirectional measurement by SGLI and validation
10:45	11:00	0:15		Break			
11:00	11:15	0:15	Atmosphere-1	ER3GCN204	Hiroshi Ishimoto	JMA MRI	Advanced volcanic ash algorithm using multiple satellites observation
11:15	11:30	0:15		ER3GCF205	Sonoyo Mukai	The Kyoto College of Graduate Studies	Elucidation of the characteristics of atmospheric particulates through the integrated use of "polarization and simultaneous multi-wavelength" SGLI
11:30	11:45	0:15		ER3GCF206	Miho Sekiguchi	Tokyo Univ. of Marine Science and Technology	Improvement of an advanced remote sensing algorithm for atmospheric aerosols using SGLI
11:45	12:00	0:15		ER3GCF207	Makoto KUJI	Nara Women's Univ.	Retrieval and validation of cloud geometrical properties
12:00	13:30	1:30		Lunch			
13:30	13:45	0:15	Atmosphere-2 and ocean	ER3GCF211	Pradeep Khatri	Tohoku Univ.	Quality assessment of cloud properties observed by SGLI/GCOM-C
13:45	14:00	0:15		ER3GCF212	Hiroshi Kobayashi	Yamanashi Univ.	Validation of GCOM-C products related to marine aerosols by shipboard observation and development of mineral dust index
14:00	14:15	0:15		ER3GCN213	Jérôme RIEDI	Université de Lille	Investigation of the cloud top thermodynamic phase from the synergistic use of polarimetric, multi-directional, and high temporal resolution SGLI
14:15	14:30	0:15		ER3GCF301	Hiroto Higa	Yokohama National Univ.	Development of high accuracy GCOM-C ocean color products and water quality data assimilation system for coastal areas and lakes
14:30	14:45	0:15		Break			
14:45	16:15	1:30		ALL			Poster session (Atmosphere-1,2 and ocean)
16:15	17:55	1:40	ALL			Group discussion	
17:55	18:30	0:35	Break				
18:30	20:30	2:00		GCOM-C welcome party (TBD)			

Nov. 8, 2023

Start	End	min	Session	PI No	Name	Affiliation	Research title
9:30	9:45	0:15	Ocean-1	ER3GCF305	Toru Hirawake	NIPR	Practical use of the GCOM-C/SGLI 250 m resolution data in the Antarctic sea ice zone and its implication for estimations of phytoplankton biomass
9:45	10:00	0:15		RA3MAF009	Atsushi Matsuoka	Univ. New Hampshire	Decadal trends in organic carbon stocks in a changing Arctic Ocean: multi-sensor approach
10:00	10:15	0:15		ER3GCN312	Menghua Wang	NOAA/NESDIS/STAR	NOAA-JAXA Collaborations: Evaluation and Applications of SGLI/GCOM-C Ocean Color Products
10:15	10:30	0:15		ER3GCF310	Joaquim I. Goes	Columbia Univ.	(A) Sea Surface Nitrate and Nitrate Based New Production - two innovative research products from SGLI on board GCOM-C, and (B) improved measurements of Net Primary Production from GCOM-C SGLI for climate change studies
10:30	10:45	0:15		ER3GCN313	Lachlan McKinnon	Go2Q Pty Ltd	Advanced NASA inherent optical properties algorithm support for SGLI
10:45	11:00	0:15		break			
11:00	11:15	0:15		ER3GCF302	Takafumi Hirata	Hokkaido Univ.	Validating and updating SGLI ocean colour products for marine ecosystem applications
11:15	11:30	0:15		ER3GCF303	Joji Ishizaka	Nagoya Univ.	Validation of GCOM-C coastal products and the application
11:30	11:45	0:15		ER3GCF304	Shintaro Takao	NIES	Effects of phytoplankton community composition and new production on nitrogen and carbon dynamics: A GCOM-C/SGLI perspective
11:45	12:00	0:15		ER3GCF307	David Antoine	Curtin Univ.	Validation of GCOM-C/SGLI geophysical products over varied oceanographic regimes
12:00	13:30	1:30		Lunch			
13:30	13:45	0:15	Ocean-2	ER3GCF306	Robert J. Frouin	Scripps Institution of Oceanography	Estimating the fraction of PAR absorbed by live phytoplankton from SGLI data (A global time series of the fraction of photosynthetically available radiation from GCOM-C SGLI data)
13:45	14:00	0:15		ER3GCF308	Victor S. Kuwahara	Soka Univ.	Characterization and Application of GCOM-C Bio-optical Products in Oceanic, Coastal and Inland Waters
14:00	14:15	0:15		ER3GCF309	Eko Siswanto	JAMSTEC	GCOM-C SGLI-based near-real-time observing system for monitoring ocean color in Asian waters
14:15	14:30	0:15		ER3GCF311	Fumihito Takahashi	Green & Life Innovation, Inc	Application examination research on the use of GCOM-C data for predicting and preventing biofouling on fixed nets in coastal areas
14:30	14:45	0:15		RA3MAF006	Sei-Ichi Saitoh	Digital Hokkaido	Sustainable use of salmon resource under changing climate using multiple satellite datasets
14:45	15:00	0:15		RA3MAF007	Tomonori Isada	Hokkaido Univ.	Validation for ocean color products and development of marine spatial information using multiple satellite applications in the coastal fisheries resources
15:00	15:15	0:15	break				
15:15	15:30	0:15	Cryosphere and land	ER3GCF103	Hideki KOBAYASHI	JAMSTEC	Development of the voxel-based plant canopy radiative transfer and estimation and validation of large-scale ecosystem parameters using SGLI
15:30	15:45	0:15		ER3GCN401	Teruo Aoki	NIPR	Algorithm improvement and validation for GCOM-C/SGLI snow and ice products
15:45	16:00	0:15		ER3GCF402	Knut Stamnes	Stevens Institute of Technology	GCOM-C/SGLI snow/ice products: Improvements and continued validation with post-launch data
16:00	16:15	0:15		ER3GCF403	Masahiro Hori	Toyama Univ.	Development of an advanced method for monitoring the Arctic environments using GCOM-C/SGLI and the in-situ data collection and enhancing the value of the SGLI cryosphere products
16:15	17:55	1:40		ALL			Poster (Ocean and Cryosphere)

Nov. 9, 2023

Start	End	min	Session	PI No	Name	Affiliation	Research title
9:30	9:45	0:15	Land-1	ER3GCF101	Yoshiaki HONDA	Chiba Univ.	Upgrading AGB estimation using BRDF based on SGLI observation data.
9:45	10:00	0:15		ER3GCF102	Kenlo Nasahara	Tsukuba Univ.	Development of LAI/FAPAR product and global land cover maps
10:00	10:15	0:15		ER3GCF104	Tatsuro Nakaji	Hokkaido Univ.	Development of multiscale forest AGB validation sites equipping tree census and 3D forest volume data set
10:15	10:30	0:15		ER3GCF108	Masahiro Tasumi	Miyazaki Univ.	Development of GCOM-C Global ETindex Estimation Algorithm
10:30	10:45	0:15		ER3GCF109	Takayuki KANEKO	Tokyo Univ. ERI	Advanced volcano observation using GCOM-C SGLI images: elucidation of the eruptive process and examinations towards operation
10:45	11:00	0:15		ER3GCN110	Masataka TAKAGI	Kochi Univ. of Technology	Improvement of Mapping Tender Green and Autumn Color using GCOM-C
11:00	11:15	0:15		Break			
11:15	11:30	0:15	Atmos-3	ER3GCF202	Kentaroh Suzuki	Tokyo Univ. AORI	A study of cloud microphysical structures and processes with a combined use of GCOM-C/SGLI multi-wavelength measurements
11:30	11:45	0:15		ER3GCF208	Hitoshi Irie	Chiba Univ.	Promotion of applied researches with GCOM-C atmosphere products by precise validation utilizing SKYNET and A-SKY international
11:45	12:00	0:15		ER3GCN209	Akihiro Yamazaki	JMA MRI	Acquisition of validation data by ground-based radiation observation and evaluation of GCOM-C atmospheric products
12:00	12:15	0:15		ER3GCF210	Kazuma Aoki	Toyama Univ.	Aerosol optical properties of atmosphere and their effects of earth climate change
12:15	13:30	1:15		lanch			
13:30	14:45	1:15		Poster			
14:45	15:00	0:15	Break				
15:00	15:20	0:20	Multidisciplinary	RA3MAF003	Keiya Yumimoto	Kyusyu Univ.	Development of aerosol assimilation and forecasting system with data from multiple space-borne observation platforms
15:20	15:40	0:20		RA3MAF005	Daisuke Goto	NIES	Research on air pollution prediction by assimilating aerosol products retrieved from satellites
15:40	16:00	0:20		RA3MAF001	Takemasa Miyoshi	RIKEN	Advances and applications of satellite data assimilation of clouds, precipitation, and the ocean
16:00	16:20	0:20		RA3MAF010	Naohiko Hirasawa	NIPR	The current state of snowfall and surface melting on the Antarctic ice sheet and understanding the relationship with global warming
16:20	16:35	0:15		Break			
16:35	16:55	0:20		RA3MAN205	Kaoru Tachiiri	JAMSTEC	Contribution to satellite products development by sharing needs and results of a climate change research project
16:55	17:15	0:20		Kei Yoshimura (invited)	The Univ. Tokyo	Global/Regional Long-term Terrestrial Hydrological Simulation by Today's Earth	
17:15	17:35	0:20		Yoshihiro Iijima	Tokyo Metropolitan Univ.	North-eastern Eurasia Precipitation variation and Terrestrial water cycle UNited satellites Experiment (NEPTUNE-III)	
17:35	17:55	0:20		Yasutaka Ikuta	JMA-MRI	Assimilation of cloud and precipitation for km-scale numerical weather prediction model	

Nov. 10, 2023

Start	End	min	Session	PI No	Name	Affiliation	Research title
9:30	9:45	0:15	Land-2	ER3GCF105	Wei Yang	Chiba Univ.	Generation of global land surface phenology and carbon flux products using GCOM-C/SGLI data
9:45	10:00	0:15		ER3GCF106	Masao MORIYAMA	Nagasaki Univ.	Development and improvement of GCOM-C/SGLI LST estimation algorithm, Development and improvement of GCOM-C/SGLI Shadow
10:00	10:15	0:15		ER3GCF107	Noriko SOYAMA	Tenri Univ.	Development of global land cover classification algorithms and validation methods
10:15	10:25	0:10	Group report	ER3GCF101	Yoshiaki HONDA	Chiba Univ.	
10:25	10:35	0:10		ER3GCF201	Takashi Nakajima	Tokai Univ.	
10:35	10:45	0:10		ER3GCF305	Toru Hirawake	NIPR	
10:45	10:55	0:10		ER3GCF403	Masahiro Hori	Toyama Univ.	
10:55	11:40	0:45	Discussion	ALL			
11:40	11:50	0:10	Wrap-up	ALL	Hiroshi Murakami	JAXA/EORC	