

JFY 2024 JAXA joint workshop, GCOM-C session timetable

On-site oral session (hybrid) with on-site poster session (the time is shown by JST (UTC+9))

Nov. 18, 2024 room 401B

Start	End	min	Session	Speaker	Affiliation	Contents
13:30	15:00	01:30	Project status	JAXA Satellite project leaders		Project status
15:30	17:30	02:00	Theme session	OKI and EORC science group leaders		Oral talks & posters
18:00	20:00	02:00	Welcome	NA	ALL	

Building: Vision Center TOKYO KYOBASHI (TBD)

the room will be open at 12:30

Nov. 19, 2024 room 402

Start	End	min	Session	PI No	Name	Affiliation	Research title
9:30	9:35	0:05	Introduction	ER3GCF101	Yoshiaki HONDA	PI team leader	Opening
9:35	9:50	0:15		JAXA	Hiroshi Murakami	JAXA/EORC	GCOM-C science project status (incl. discussion items)
9:50	10:05	0:15		1_01	ER3GCF201	Takashi Nakajima	Global observations of cloud from the GCOM-C SGLI for improving cloud sciences and contributing climate change studies, Algorithms and validation-
10:05	10:20	0:15		1_02	ER3GCF202	Kentaroh Suzuki	A study of cloud microphysical structures and processes with a combined use of GCOM-C/SGLI multi-wavelength measurements
10:20	10:35	0:15		1_03	ER3GCF203	Hironobu Iwabuchi	Development of an algorithm for three-dimensional cloud from multispectral and multidirectional measurement by SGLI and validation of cloud products
10:35	10:50	0:15		1_04	ER3GCF204	Hiroshi Ishimoto	Advanced volcanic ash algorithm using multiple satellites observation
10:50	11:10	0:20	Break				
11:10	11:25	0:15		1_05	ER3GCF207	Makoto KUJI	Retrieval and validation of cloud geometrical properties
11:25	11:40	0:15		1_06	ER3GCF208	Hiroshi Inie	Promotion of applied researches with GCOM-C atmosphere products by precise validation utilizing SKYNET and A-SKY international ground-based remote sensing observation networks
11:40	11:55	0:15		1_07	ER3GCF211	Pradeep Khatry	Quality assessment of cloud properties observed by SGLI/GCOM-C
11:55	12:10	0:15		1_08	ER3GCF102	Kenjo Nasahara	Development of LAI/FAPAR product and global land cover maps
12:10	13:30	1:20	Lunch				
13:30	13:45	0:15		1_09	ER3GCF301	Hiroto Higa	Development of high accuracy GCOM-C ocean color products and water quality data assimilation system for coastal areas and lakes
13:45	14:00	0:15		1_10	ER3GCF302	Taka Hirata	Validating and updating SGLI ocean colour products for marine ecosystem applications
14:00	14:15	0:15		1_11	ER3GCF303	Joji Ishizaka	Validation of GCOM-C coastal products and the application
14:15	14:30	0:15		1_12	ER3GCF304	Shintaro Takao	Effects of phytoplankton community composition and new production on nitrogen and carbon dynamics: A GCOM-C/SGLI perspective
14:30	16:00	1:30		ALL	12 PIs and JAXA		Poster session (1): 13 PI & JAXA
16:00	16:05	0:05		JAXA	Hiroshi Murakami	JAXA/EORC	Introduction of the group discussion
16:05	17:35	1:30		ALL			EORA3 GCOM-C research highlights and future directions
17:35	18:00	0:25	Break				
18:00	20:00	2:00			GCOM-C welcome party		

Nov. 20, 2024 room 402

Start	End	min	Session	PI No	Name	Affiliation	Research title
9:30	9:45	0:15		2_01	ER3GCF101	Yoshiaki HONDA	Upgrading AGB estimation using BRDF based on SGLI observation data.
9:45	10:00	0:15		2_03	ER3GCF103	Hideki KOBAYASHI	JAMSTEC Development of the voxel-based plant canopy radiative transfer and estimation and validation of large-scale ecosystem parameters from SGLI: FY2022
10:00	10:15	0:15		2_04	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		2_05	ER3GCF105	Wei Yang	Chiba Univ. Generation of global land surface phenology and carbon flux products using GCOM-C/SGLI data
10:30	10:50	0:20	break				
10:50	10:45	0:15		2_06	ER3GCF106	Masao MORIYAMA	Nagasaki Univ. Development and improvement of GCOM-C/SGLI LST estimation algorithm. Development and improvement of GCOM-C/SGLI Shadow index estimation algorithm
10:45	11:00	0:15		2_07	ER3GCF108	Masahiro Tasumi	Miyazaki Univ. Development of GCOM-C Global ETIndex Estimation Algorithm
11:00	11:15	0:15		2_08	ER3GCF109	Takayuki KANEKO	Tokyo Univ. ERI Advanced volcano observation using GCOM-C SGLI images: elucidation of the eruptive process and examinations towards operational monitoring
11:15	11:30	0:15		4_04	ER3GCF212	Hiroshi Kobayashi	Yamanashi Univ. Validation of GCOM-C products related to marine aerosols by shipboard observation and development of mineral dust index.
11:30	13:00	1:30	Lunch				
13:00	13:15	0:15		2_09	ER3GCF107	Noriko SOYAMA	Tenri Univ. Development of global land cover classification algorithms and validation methods
13:15	13:30	0:15		2_10	ER3GCF110	Masataka TAKAGI	Kochi Univ. of Technology Improvement of Mapping Tender Green and Autumn Color using GCOM-C
13:30	13:45	0:15		2_11	ER3GCF209	Akihiro Yamazaki	JMA MRI Acquisition of validation data by ground-based radiation observation and evaluation of GCOM-C atmospheric products
13:45	14:00	0:15		2_12	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 and primary production
14:00	14:15	0:15		2_13	ER3GCF306	Robert Froiun	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 absorbed by live phytoplankton from SGLI data)
14:15	14:35	0:20	break				
14:35	14:50	0:15		2_14	ER3GCF307	David Antoine	Curtin Univ. Validation of GCOM-C/SGLI geophysical products over varied oceanographic regimes
14:50	15:05	0:15		2_15	ER3GCF308	Victor S. Kuwahara	Soka Univ. Characterization and Application of GCOM-C Bio-optical Products in Oceanic, Coastal and Inland Waters
15:05	15:20	0:15		2_16	ER3GCF309	Eko Siswanto	JAMSTEC GCOM-C SGLI-based near-real-time observing system for monitoring ocean color in Asian waters
15:20	15:35	0:15		2_17	RA3MAF007	Tomonori Isada	Hokkaido Univ. Validation for ocean color products and development of marine spatial information using multiple satellite applications in the coastal waters of Hokkaido: toward sustainable management of coastal fisheries
15:35	17:25	1:50		ALL			Poster session (2): 17 PIs

Nov. 21, 2024 room 402

Start	End	min	Session	PI No	Name	Affiliation	Research title
9:30	9:45	0:15		3_01	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) Exploiting multi-platform, multi-sensor data for improved sea surface temperature estimation
9:45	10:00	0:15		3_02	ER3GCF312	Menghua Wang	NOAA/NESDIS/STAR NOAA-JAXA Collaborations: Evaluation and Applications of SGLI/GCOM-C Ocean Color Products
10:00	10:15	0:15		3_03	ER3GCF313	Lachlan McKinnon	Go2Q Pty Ltd Advanced NASA inherent optical properties algorithm support for SGLI
10:15	10:30	0:15		3_04	RA3MAF009	Atsushi Matsuoka	Univ. New Hampshire Decadal trends in organic carbon stocks in a changing Arctic Ocean: multi-sensor approach
10:30	10:50	0:20	Break				
10:50	11:05	0:15		3_05	ER3GCF311	Fumihiko 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
11:05	11:20	0:15		3_06	RA3MAF006	Sei-Ichi Saitoh	Digital Hokkaido Sustainable use of salmon resource under changing climate using multiple satellite datasets
11:20	12:50	1:30	lunch				
12:50	14:15	1:25	Poster				Poster session (3): 6 PIs and Multidisciplinary PIs
14:15	14:30	0:15	break				
14:30	14:50	0:20		3_07	RA3MAF003	Keiya Yumimoto	Kyusyu Univ. Development of aerosol assimilation and forecasting system with data from multiple space-borne observation platforms
14:50	15:10	0:20		3_08	RA3MAF005	Daisuke Goto	NIES Research on air pollution prediction by assimilating aerosol products retrieved from satellites
15:10	15:30	0:20		3_09	RA3MAF001	Takemasa Miyoshi	RIKEN Advances and applications of satellite data assimilation of clouds, precipitation, and the ocean
15:30	15:50	0:20		3_10	RA3MAF010	Naohiko Hirasawa	NIPR The current state of snowfall and surface melting on the Antarctic ice sheet and understanding the relationship with global warming using ground-based and satellite observations
15:50	16:05	0:15	break				
16:05	16:25	0:20		3_11	RA3MAN205	Kaoru Tachiiri	JAMSTEC Contribution to satellite products development by sharing needs and results of a climate change research project
16:25	16:45	0:20		3_12	invited	Knut Stames	The Univ. Tokyo Global/Regional Long-term Terrestrial Hydrological Simulation by Today's Earth
16:45	17:05	0:20		3_13	invited	Yoshihiro Iijima	Tokyo Metropolitan Univ. North-eastern Eurasia Precipitation variation and Terrestrial water cycle United Satellites Experiment (NEPTUNE-III)
17:05	17:25	0:20		3_14	invited	Yasutaka Ikuta	JMA-MRI Assimilation of cloud and precipitation for km-scale numerical weather prediction model

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Start	End	min	Session	PI No	Name	Affiliation	Research title
9:30	9:45	0:15		4_01	ER3GCF205	Sonoyo Mukai	The Kyoto College of Graduate Science and Engineering Elucidation of the characteristics of atmospheric particulates through the integrated use of "polarization and simultaneous multi-wavelength (including near-ultraviolet) observation data" by GCOM-C/SGLI
9:45	10:00	0:15		4_02	ER3GCF206	Miho Sekiguchi	Tokyo Univ. of Marine Science and Technology Improvement of an advanced remote sensing algorithm for atmospheric aerosols using SGLI
10:00	10:15	0:15		4_03	ER3GCF210	Kazuma Aoki	Toyama Univ. Aerosol optical properties of atmosphere and their effects of earth climate change
10:15	10:30	0:15		4_05	ER3GCF213	Jérôme RIEDI	Université de Lille Investigation of the cloud top thermodynamic phase from the synergistic use of polarimetric, multi-directional, and high temporal resolution observations
10:30	10:50	0:20	break				
10:50	11:05	0:15		4_06	ER3GCF401	Teruo Aoki	NIPR Algorithm improvement and validation for GCOM-C/SGLI snow and ice products
11:05	11:20	0:15		4_07	ER3GCF402	Knut Stames	Stevens Institute of Technology GCOM-C/SGLI snow/ice products: Improvements and continued validation with post-launch data
11:20	11:35	0:15		4_08	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 the collaboration with a numerical climate model for coupled climate system
11:35	13:05	1:30	lunch				
13:05	14:35	1:30	Poster				Poster session (4): 8 PIs
14:35	14:50	0:15	break				
14:50	15:05	0:15		ER3GCF101	Yoshiaki HONDA	Chiba Univ.	Land group report
15:05	15:20	0:15		ER3GCF201	Takashi Nakajima	Tokai Univ.	Atmosphere group report
15:20	15:35	0:15		ER3GCF305	Toru Hirawake	NIPR	Ocean group report
15:35	15:50	0:15		ER3GCF403	Masahiro Hori	Toyama Univ.	Cryosphere group report
15:50	16:20	0:30	Wrap-up	ALL	Hiroshi Murakami	JAXA/EORC	Discussion and summary