The 7th International Workshop on Tropical Marine

Environmental Changes

Agenda

On-site Registration: Nov.22nd.2013 Meeting dates: Nov.23rd -24th .2013

Venue: Lake-viewing Hall on the 2nd floor, Cloud Viewing Mansion, Oriental

Resort

Workshop Program

 $09{:}00{-}12{:}00 \quad Saturday, \quad November \ 23^{rd} \ , \ 2013$

Opening Ceremony and Keynote Speech				
Chair: Yihui Ding, Dongxiao Wang				
Scribe: Lei Wang				
09:00-09:05	Welcome Remarks	Dongxiao Wang		
		(SCSIO, CAS, China)		
09:05-09:10	热带海洋如何影响今年的极端暴雨和高温	Yihui Ding		
	热浪	(National Climate Center, China)		
09:10-09:35	The impact of typhoons on coastal areas	Magnus Larson		
		(Lunds University, Sweden)		
09:35-10:00	Climate hysteresis experiments with an	Klaus Fraedrich		
	Earth-like climate: Static, abrupt, and	(Max Planck Institute for		
	transient changes	Meteorology, KlimaCampus,		
		Germany)		
10:00-10:25	Variability in the major current system and	Dongxiao Wang		
	the West Pacific warm pool about	(SCSIO, CAS, China)		
	the WPOS (West Pacific Ocean System):			
	Structure, Dynamics and Consequences			
10:25-10:45	Break, Photo Session and Poster Ses	ssion		
10:45-11:10	Large-scale West Pacific Ocean sea level and	Bo Qiu		
	circulation changes vs. the PDO forcing	(University of Hawaii,USA)		
11:10-11:35	Variability and dynamics of the Ningaloo	Ming Feng		
	Niño	(CSIRO Marine and Atmospheric		
		Research)		
11:35-12:00	Regional ocean forecasting systems and	Xiaochun Wang		
	their applications	(University of California)		
12:00-14:00 Banquet (Bailey Hall on the 2nd floor, Blue sea Mansion)				

(15 minutes for each oral presentation and 5 minutes for Q/A)

14:00-18:00 Saturday, November 23rd, 2013

Session 1 Eastern Indian Ocean warm pool variability and its environmental effects Chairs: Prof. Klaus Fraedrich, Bo Qiu Scribe: Kang Xu	14:00-10:00	Saturday, November 25, 2015			
14:00-14:20 Mid-late holocene Indian monsoon variability and the Indian Ocean warm pool (University of Ruhuna, Sri Lanka) 14:20-14:40 The Eulerian and Lagrangian statistics of the surface circulations in the Indian Ocean as deduced from surface drifters 14:40-15:00 Tropical Indian Ocean basin mode and its impact on the Northwestern Pacific climate 15:00-15:20 The seasonality of the MJO frequency over the tropical Indian Ocean and its possible causes 15:20-15:40 Different impacts of various El Niño events on the Indian Ocean Dipole 15:40-16:20 The influences of seasonal winds and Kuroshio intrusion on sea level anomalies over the northern South China Sea 16:20-16:40 Intraseasonal variability of sea surface height in the Bay of Bengal 16:40-17:00 Sea surface temperature in the South China Sea and its role of regional climate. 17:00-17:20 Subsurface and deeper ocean remote sensing and warm pool variability 17:20-17:40 Recent changes of tropical Indian Ocean summer rainfall based on CMIP5 multi-model 17:40-18:00 Relationship of SHO events with SAM and ENSO on inter-decadal time scales Chairs Franghua (SCSIO, CAS, China) Ranasinghage/Pradeep Nalaka (University of Ruhuna, Sri Lanka) Ranasinghage/Pradeep Nalaka (University of Ruhuna, Sri Lanka) Ranasinghage/Pradeep Nalaka (University of Ruhuna, Sri Lanka) Shiqiu Peng (SCSIO, CAS, China) SCSIO, CAS, China) SCSIO, CAS, China) Fanghua Xu (Tsinghua University) Xuhua Cheng (SCSIO, CAS, China) Sca and its role of regional climate. Subsurface and deeper ocean remote sensing and warm pool variability (Xiamen University) Triculation of SHO events with SAM and Eli Yan (SCSIO, CAS, China)		Session 1 Eastern Indian Oc	ean		
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ENSO on inter-decadal time scales (SCSIO, CAS, China)		summer rainfall based on CMIP5 multi-model	(SCSIO, CAS, China)		
	17:40-18:00	Relationship of SHO events with SAM and	Li Yan		
18:00-20:00 Dinner (Buffet, Bailey Hall on the 2nd floor, Blue sea Mansion)		ENSO on inter-decadal time scales	(SCSIO, CAS, China)		
	18:00-20:00 Dinner (Buffet, Bailey Hall on the 2nd floor, Blue sea Mansion)				

08:20-12:00 Sunday, November 24th , 2013

Session 2 The relationship between South China Sea Monsoon and Indo-pacific warm pool Chairs: Magnus Larson, Ming Feng Scribe:Li Yan

Scribe:Li Yan				
08:20-08:40	On the interannual variability of summer	Weiwen Wang		
	high temperature extremes in Southeast	(City University of Hong Kong)		
	China			
08:40-09:00	Marine ecosystem response to typhoon in the	Danling Tang		
	South China Sea	(SCSIO, CAS, China)		
09:00-09:20	Quasi-four-year coupling between El	Xiuzhen Li		
	Niño-Southern Oscillation and water vapor	(City University of Hong Kong)		
09:20-09:40	transport over East Asia-WNP Interannual-to-Decadal Western Pacific	Wei Zhuang		
07.20-07.40	Ocean sea level and circulation changes due	(SCSIO, CAS, China)		
	to the connectivity of the Philippine Archipelago	(Besio, eris, emilia)		
09:40-10:00	Numerical modeling the interaction between	Danya Xu		
	the South China Sea Throughflow (SCSTF)	(Singapore-MIT Alliance for		
	and the Indonesian Throughflow (ITF)	Research and Technology)		
10:00-10:20	Break and Poster Session			
10:20-10:40	The sea surface temperature and ocean	Qinyan Liu		
	circulation in the South China Sea associated	(SCSIO, CAS, China)		
	with two different El Ni ño events			
10:40-11:00	Regulation of eutrophication impacts by	Jie Xu		
	hydrodynamics in subtropical coastal waters	(SCSIO, CAS, China)		
11:00-11:20	Can temperature extremes in China be	Qinglong You		
	calculated from reanalysis?	(NUIST, China)		
11:20-11:40	A cyclonic eddy associated with reverse	Junmin Li		
	summer boundary current in the	(SCSIO, CAS, China)		
	northwestern South China Sea			
11:40-12:00	Variability of chlorophyll maxima in ocean	Qian Li		
	eddies and its controlling mechanisms	(SCSIO, CAS, China)		

14:30-17:30 Sunday, November 24th , 2013

14:50-17:50	14:30-17:30 Sunday, November 24 , 2013			
	Session 3 Xisha Session			
Chairs: Jianping Gan, John Huthnance				
	Scribe: Yunkai He			
14:30-14:50	An exceptional warm eddy in the South	Xiaoqing Chu		
	China Sea in 2010	(SCSIO,CAS,China)		
14:50-15:10	Preliminary analysis of the Intraseasonal	Jian Li		
	air-sea interaction influenced by Xisha warm	(SCSIO,CAS, China)		
	eddy			
15:10-15:30	Wind-induced near-inertial waves near the	Junliang Liu		
	Xisha Islands of the South China Sea	(SCSIO,CAS,China)		
15:30-15:50	Validation of satellite-derived daily latent	Lili Zeng		
	heat flux over the South China Sea,	(SCSIO,CAS,China)		
	compared with observations and five			
	products			
15:50-16:10	Break and Poster Session			
16:10-16:30	The community structure and diversity of	Qiang Zheng		
	microbes in the Xisha sea area as revealed by	(MEL, Xiamen University,		
	high throughput sequencing	China)		
16:30-16:50	A subsurface nitrite maximum triggered by	Meilin Wu		
	multiple forcings near Xisha Islands, South	(SCSIO, CAS, China)		
	China Sea			
16:50-17:10	Status of coral reefs in the South China Sea	Jiansheng Lian		
		(SCSIO, CAS, China)		
17:10-17:30	Seasonality of planktonic foraminifera and	Rong Xiang		
	day mineral in a trap from the Xisha trough,	(SCSIO, CAS, China)		
	SCS			
18:00-20:00	18:00-20:00 Dinner (Bailey Hall on the 2nd floor, Blue sea Mansion)			

09:30-12:00 Monday, November 25th , 2013 Climb the Baiyun Mountain