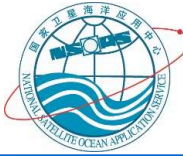
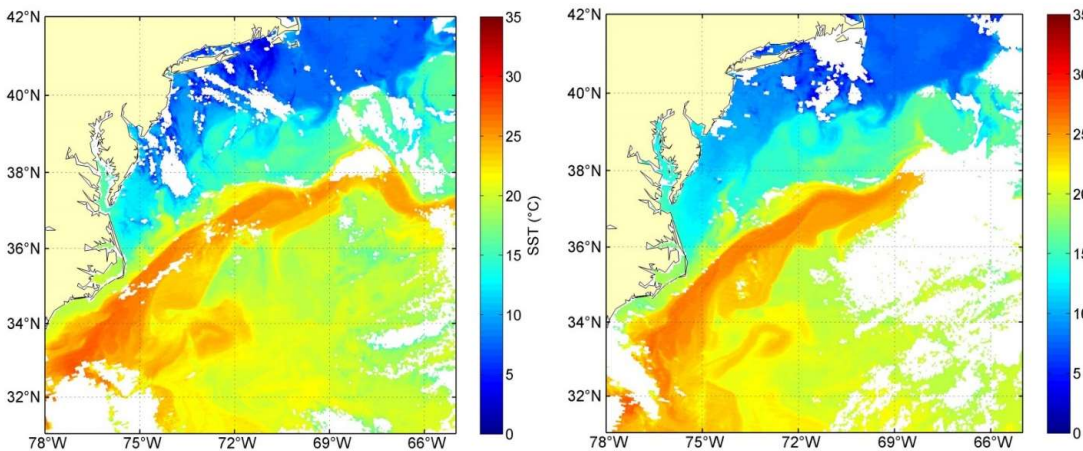


# Report from NSOAS

Ljian SHI, Xiaomin Ye, Wu Zou, Mingsen Lin and Qimao Wang



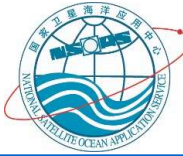
- Sea surface temperature (SST) products of HY-1C&D/COCTS and HY-2B/SMR satellite are supplied operationally (<https://osdds.nsoas.org.cn/>).
- SST fusion products with 5km and 25km spatial resolution are supplied operationally.



SSTs derived from COCTS on the HY-1D satellite covering Gulf Stream waters acquired at (a) 17:35 UTC and (b) 06:20 UTC on April 27, 2021.

This report is supplied by Lijian Shi, Xiaomin Ye, Wu Zhou, Meng Xi, Mingsen Lin and Qimao Wang, NSOAS

# Report from NSOAS



## ➤ SST validation of HY-1D/COCTS

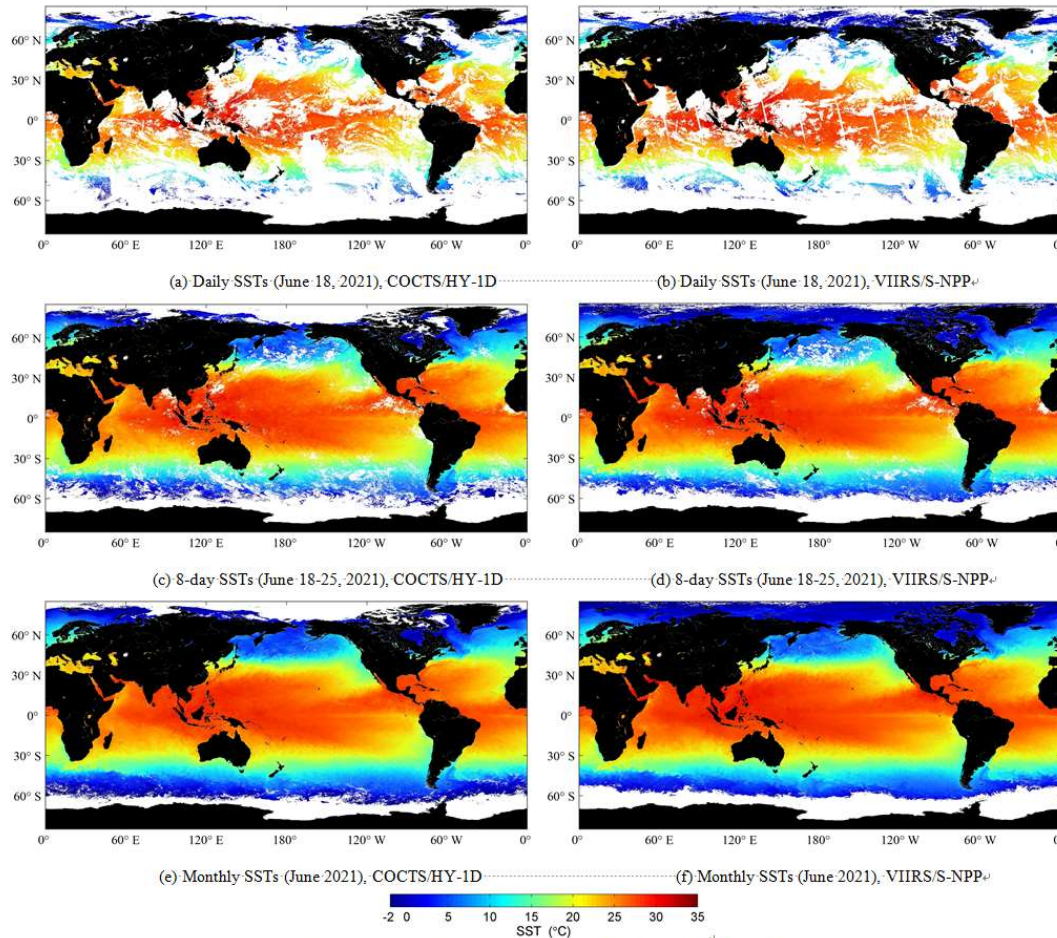


Fig. 8. Daytime SSTs derived from COCTS/HY-1D and VIIRS/S-NPP.

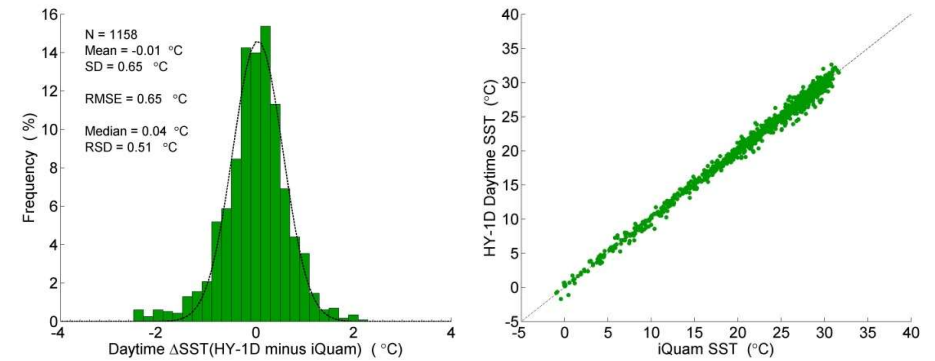


TABLE IV

STATISTICS BETWEEN SSTs DERIVED FROM COCTS/HY-1D AND IN SITU MEASUREMENTS FROM IQUAM WITH DIFFERENT TEMPORAL MATCH-UP WINDOWS

	Temporal matching window (hrs)	N	Mean bias (°C)	SD (°C)	Median (°C)	RSD (°C)	RMSE (°C)
Daytime	4	1158	-0.01	0.65	0.04	0.51	0.65
	2	587	-0.05	0.65	0.04	0.50	0.65
	1	279	-0.08	0.59	0.03	0.48	0.60
	0.5	121	0.00	0.52	0.11	0.44	0.52
Nighttime	4	509	-0.10	0.71	-0.07	0.47	0.71
	2	263	-0.07	0.68	-0.06	0.44	0.68
	1	129	-0.03	0.66	-0.03	0.46	0.66
	0.5	66	-0.11	0.64	-0.06	0.40	0.64

(Ye et al, 2022)