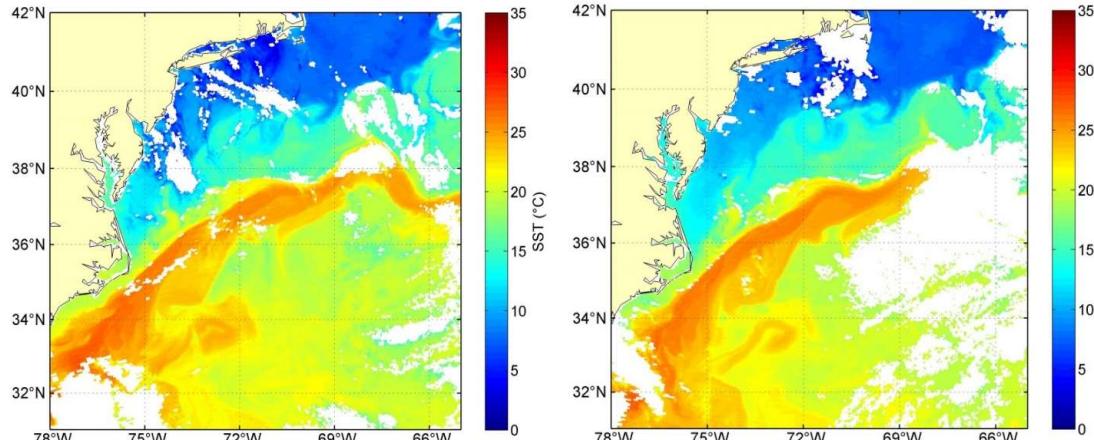


Report from NSOAS

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.

The screenshot displays the homepage of the China Ocean Satellite Data Service Center. The top navigation bar includes links for 'System Bulletin', 'Notice about data distribution system upgrade and password reset', 'See More >', '中文' (Chinese), and 'Login'. Below the navigation, there are two main sections: 'Ocean Color Satellite Data' and 'Marine Dynamic Satellite Data'. Each section contains an image of the satellite, a brief description of the data series, and several interactive buttons: 'Data Access', 'Product Specification', and 'Marine Dynamic Satellite Data FTP Access'. At the bottom of the page, there are three separate boxes, each featuring an image of a satellite and a brief description: 'HY-1C' (a series of ocean color satellites), 'HY-2B' (a series of marine dynamic environment satellites), and 'CFOSAT' (the first satellite developed jointly by China and France). A 'CONTACT US' button is located on the far right.

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

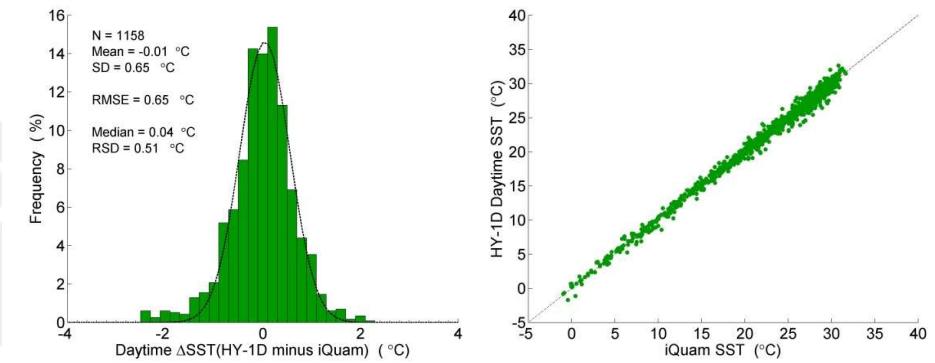
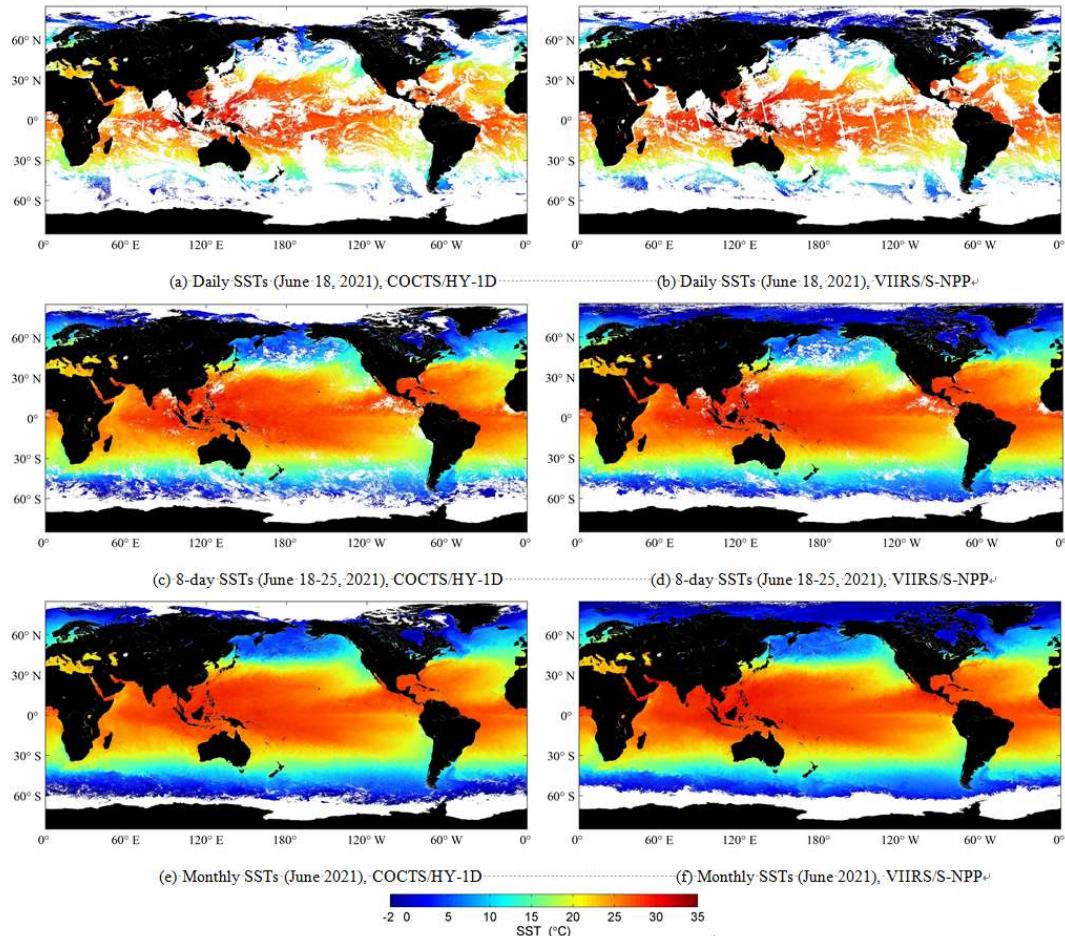


TABLE IV
STATISTICS BETWEEN SSTs DERIVED FROM COCTS/HY-1D AND IN SITU MEASUREMENTS FROM IQUAM WITH DIFFERENT TEMPORAL MATCH-UP WINDOWS

	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)