

SUPPLEMENTARY TABLES FOR “LIGHTWEIGHT NEURAL NETWORK FOR SPATIOTEMPORAL FILLING OF DATA GAPS IN SEA SURFACE TEMPERATURE IMAGES” BY BAKER, ET AL.

TABLE S1
COMPARISON OF PER-IMAGE MAE BETWEEN GAP-FILLED AND TARGET IMAGES BY LEVEL OF CLOUD COVERAGE, MEAN (STD) °C

Algorithm	Cloud Coverage%									
	0-10 n=152	10-20 n=66	20-30 n=42	30-40 n=88	40-50 n=63	50-60 n=50	60-70 n=59	70-80 n=76	80-90 n=99	90-100 n=33
BiLSTM (ours)	0.091	0.101	0.101	0.111	0.114	0.121	0.131	0.155	0.158	0.185
SSGP-toolbox	0.116	0.121	0.121	0.130	0.133	0.136	0.144	0.158	0.163	0.176

TABLE S2
COMPARISON OF STRUCTURAL SIMILARITY BETWEEN GAP-FILLED AND TARGET IMAGES BY LEVEL OF CLOUD COVERAGE, MEAN (STD) %

Algorithm	Cloud Coverage%									
	0-10 n=152	10-20 n=66	20-30 n=42	30-40 n=88	40-50 n=63	50-60 n=50	60-70 n=59	70-80 n=76	80-90 n=99	90-100 n=33
BiLSTM (ours)	95.19	88.89	82.84	73.93	66.98	58.12	51.60	41.13	30.22	23.60
SSGP-toolbox	93.93	85.77	77.90	67.76	59.54	50.38	42.42	32.21	21.79	14.46