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Corrigendum to "Upper Water Structure and Mixed Layer Depth in Tropical Waters: The SEATS Station in the Northern South China Sea

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CORRIGENDUM

Corrigendum to “Upper water structure and mixed layer depth in tropical waters: The SEATS station in the Northern South China Sea”

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Recently, we found that the table captions of Tai et al. (2017) were not detailed enough. To make it easy for readers to understand the content of the tables, its captions have been corrected as shown below.

Table 1. Statistics of station occupations at the SEATS station and its nearby waters.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual total N(A/B)	
1997	0	0	0	1(0/1)	0	1(0/1)	0	0	0	1(0/1)	0	0	3(0/3)	
1998	0	0	0	0	1(0/1)	1(0/1)	0	0	0	0	0	0	2(0/2)	
1999	0	0	0	1(0/1)	0	0	0	1(0/1)	2(1/1)	0	1(1/0)	1(0/1)	6(2/4)	
2000	1(1/0)	0	2(1/1)	0	1(1/0)	0	2(2/0)	0	0	1(1/0)	0	0	7(6/1)	
2001	0	1(1/0)	1(0/1)	0	0	1(1/0)	0	0	0	2(1/1)	0	1(1/0)	6(4/2)	
2002	0	0	2(1/1)	0	0	0	1(1/0)	0	1(1/0)	1(1/0)	1(1/0)	0	6(5/1)	
2003	1(1/0)	0	1(1/0)	0	0	0	1(0/1)	1(1/0)	0	1(1/0)	0	1(1/0)	6(5/1)	
2004	0	0	1(1/0)	0	1(1/0)	1(0/1)	0	1(1/0)	0	0	1(1/0)	0	5(4/1)	
2005	1(1/0)	0	1(1/0)	0	0	0	1(1/0)	0	0	0	1(1/0)	1(1/0)	5(5/0)	
2006	0	0	0	0	0	1(0/1)	2(1/1)	1(0/1)	0	1(1/0)	0	0	5(2/3)	
2007	2(2/0)	0	0	0	0	0	1(1/0)	0	0	1(1/0)	0	0	4(4/0)	
2008	0	0	0	0	1(0/1)	0	0	0	0	0	0	1(0/1)	2(0/2)	
2009	0	0	0	0	0	0	1(0/1)	0	0	0	0	0	1(0/1)	
2010	0	0	0	0	0	0	0	0	0	1(1/0)	0	0	1(1/0)	
2011	0	0	0	0	0	0	0	0	0	0	0	1(1/0)	1(1/0)	
2012	0	0	0	0	0	0	0	1(1/0)	0	0	0	0	1(1/0)	
2013	0	0	0	1(1/0)	0	0	0	0	0	1(1/0)	0	1(1/0)	3(3/0)	
Total	5(5/0)	1(1/0)	8(5/3)	3(1/2)	4(2/2)	5(1/4)	9(6/3)	5(3/2)	3(2/1)	10(8/2)	4(4/0)	7(5/2)	64(43/21)	
	Northeast monsoon (Nov - Apr): 28(21/7)				I (May) 4(2/2)	Southwest monsoon (Jun - Sep): 22(12/10)				I (Oct) 10(8/2)	Northeast monsoon (Nov - Apr): 28(21/7)			

Note: N(A/B): N – Number of occupations; A – Occupations at SEATS station; B – occupations in vicinity of SEATS station; I – Inter-monsoonal period.

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Table 2. Statistics of the types of hydrographic structures in the mixed layer.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Type Total		
													(a)	(b)	(c)
1997	-	-	-	c	-	a	-	-	-	a	-	-	2	0	1
1998	-	-	-	-	c	a	-	-	-	-	-	-	1	0	1
1999	-	-	-	a	-	-	-	b	a,a	-	a	a	5	1	0
2000	b	-	b,c	-	a	-	a,b	-	-	a	-	-	3	3	1
2001	-	a	c	-	-	a	-	-	-	a,a	-	a	5	0	1
2002	-	-	a,a	-	-	-	c	-	a	a	a	-	5	0	1
2003	b	-	c	-	-	-	a	c	-	a	-	a	3	1	2
2004	-	-	c	-	a	a	-	a	-	-	a	-	4	0	1
2005	a	-	a	-	-	-	a	-	-	-	b	a	4	1	0
2006	-	-	-	-	-	a	a,a	a	-	a	-	-	5	0	0
2007	a,c	-	-	-	-	-	a	-	-	a	-	-	3	0	1
2008	-	-	-	-	a	-	-	-	-	-	-	a	2	0	0
2009	-	-	-	-	-	-	a	-	-	-	-	-	1	0	0
2010	-	-	-	-	-	-	-	-	-	a	-	-	1	0	0
2011	-	-	-	-	-	-	-	-	-	-	-	a	1	0	0
2012	-	-	-	-	-	-	-	a	-	-	-	-	1	0	0
2013	-	-	-	c	-	-	-	-	-	a	-	a	2	0	1
Monthly Type Total													Type Total		
(a)	2	1	3	1	3	5	7	3	3	10	3	7	48 (75%)		
(b)	2	0	1	0	0	0	1	1	0	0	1	0	6 (10%)		10 (15%)
(c)	1	0	4	2	1	0	1	1	0	0	0	0			
Northeast monsoon					I	Southwest monsoon				I	Northeast Monsoon				

Note: a – Classical type; b – Stepwise type; c – Graded type; I – Internal-monsoonal period.

Table 3. Results in model II linear regression analyses relative to MLD_{TS}.

Type	Statistical Parameter	MLD _{T2}	MLD _{T5}	MLD _{T10}	MLD _{0G}	MLD _σ	MLD _{σG1}	MLD _{σG5} *	MLD _{σG10} *	MLD _{mdg}
Classical	A	-5	-2	1	-3	-2	-6	-3	-1	3
	B	0.96	1.01	1.00	0.98	0.94	0.98	1.01	1.04	1.02
	σ _A	3	1	1	1	2	2	2	2	2
	σ _B	0.05	0.02	0.01	0.03	0.04	0.04	0.03	0.04	0.04
	γ	0.92	0.99	1.00	0.98	0.96	0.96	0.98	0.97	0.96
	RMSE ₁ (m)	11	3	2	6	8	9	5	5	7
	MAPD ₁ (%)	14	5	3	12	11	18	10	8	11
	RMSE ₂ (m)	8	2	2	4	6	6	5	5	6
	MAPD ₂ (%)	19	4	2	5	11	13	5	8	9
	N	48	48	48	48	48	48	47	44	48
Stepwise	A	-33	-22	2	-35	-21	-13	-9	7	-5
	B	1.17	1.07	1.00	1.17	0.94	0.66	0.99	0.89	0.99
	σ _A	19	19	1	19	16	10	22	1	23
	σ _B	0.32	0.31	0.01	0.32	0.26	0.17	0.36	0.02	0.37
	γ	0.73	0.70	1.00	0.73	0.73	0.78	0.48	1.0	0.39
	RMSE ₁ (m)	28	23	2	30	28	34	22	3	22
	MAPD ₁ (%)	46	32	3	49	45	58	14	5	21
	RMSE ₂ (m)	16	16	1	16	13	8	19	1	21
	MAPD ₂ (%)	55	40	1	61	41	30	49	2	50
	N	6	6	6	6	6	6	6	4	6
Classical + Stepwise	A	-8	-4	1	-7	-5	-9	-3	-1	2
	B	0.98	1.01	1.00	1.02	0.95	0.98	1.01	1.03	1.01
	σ _A	4	3	1	3	3	3	3	2	3
	σ _B	0.07	0.05	0.01	0.06	0.06	0.06	0.05	0.03	0.06
	γ	0.87	0.94	0.92	0.91	0.90	0.88	0.93	0.97	0.90
	RMSE ₁ (m)	14	8	2	11	12	14	9	5	10
	MAPD ₁ (%)	18	8	3	16	15	22	10	8	12
	RMSE ₂ (m)	11	7	2	9	9	10	8	5	10
	MAPD ₂ (%)	29	12	2	18	20	27	9	7	12
	N	54	54	54	54	54	54	53	48	54

Note: A – Intercept; B – Slope; σ_A – Standard deviation in intercept; σ_B – Standard deviation in slope; γ – Correlation coefficient; RMSE₁ – Root mean square error relative to 1:1 relationship; MAPD₁ – Mean absolute percent deviation relative to 1:1 relationship; RMSE₂ – Root mean square error relative to best fit line; MAPD₂ – Mean absolute percent deviation relative to best fit line; N – Number of data points. * Method failed to locate MLD in 1 or more cruises. Table only includes statistics of successful MLD estimated cases.