

Supplementary Table S1. Summarized statistics of monthly PTB cases, monthly meteorological factors in Hainan, 2004–2018

Variables	Mean	SD	Minimum	P_{10}	P_{25}	P_{50}	P_{75}	P_{90}	Maximum
Monthly PTB cases	802	180.19	364	603	684	773	910	1,065	1,307
Monthly PTB incidence (1/100 000)	9.25	2.37	4.31	6.52	7.54	8.76	10.95	12.9	15.47
Monthly average temperature (°C)	24.23	4.06	17	18.4	19.83	25.05	28.18	28.89	30.2
Monthly average air pressure (hPa)	1010.46	3.66	999.1	1005.3	1009	1011	1012.58	1015.2	1018.6
Monthly average relative humidity (%)	78.88	3.49	68.98	74.6	76.33	79.2	81.88	83	86.8
Monthly average precipitation (mm)	117.3	96.09	1.8	15.51	36.1	78.95	191.78	261.53	401.6

Note. SD is standard deviation of variables, and P_{10} , P_{25} , P_{50} , P_{75} , P_{90} are the 10th, 25th, 50th, 75th, 90th percentiles of variables, respectively.

Supplementary Table S2. Spearman correlation coefficient between monthly PTB incidence and meteorological factors in Hainan, 2004–2018

Factors	Monthly PTB incidence	Monthly average temperature	Monthly average air pressure	Monthly average relative humidity	Monthly average precipitation
Monthly PTB incidence	1	0.24*	−0.26*	0.15*	0.21*
Monthly average temperature		1	−0.71*	0.50*	0.81*
Monthly average air pressure			1	−0.26*	−0.58*
Monthly average relative humidity				1	0.60*
Monthly average precipitation					1

Note. * $P < 0.05$.

Supplementary Table S3. The parameters determination of *lag* time and degree of freedom of *time* and natural cubic spline function

(Lag ₁ , Lag ₂)	N	(N ₁ , N ₂)	Whether it passes the significance test of RR_1	Whether it passes the significance test of RR_2	AIC criterion
(12, 12)	6	(2, 3)	Yes	No	698.32
(12, 12)	6	(3, 3)	Yes	No	698.06
(12, 12)	6	(2, 2)	No	No	701.44
(12, 12)	6	(3, 2)	No	No	701.91
(12, 12)	7	(2, 3)	Yes	No	698.99
(12, 12)	7	(3, 3)	Yes	No	698.28
(12, 12)	7	(2, 2)	No	No	701.95
(12, 12)	7	(3, 2)	No	No	701.48
(12, 11)	6	(2, 3)	Yes	Yes	698.23
(12, 11)	6	(3, 3)	Yes	Yes	698.35
(12, 11)	6	(2, 2)	Yes	Yes	701.43
(12, 11)	6	(3, 2)	Yes	Yes	700.7
(12, 11)	7	(2, 3)	Yes	Yes	698.64
(12, 11)	7	(3, 3)	Yes	Yes	697.41
(12, 11)	7	(2, 2)	Yes	Yes	699.9
(12, 11)	7	(3, 2)	Yes	Yes	700.9
(13, 11)	6	(2, 3)	Yes	Yes	694.2
(13, 11)	6	(3, 3)	Yes	Yes	694.05
(13, 11)	6	(2, 2)	Yes	Yes	697.23
(13, 11)	6	(3, 2)	Yes	Yes	694.95
(13, 11)	7	(2, 3)	Yes	Yes	694.87
(13, 11)	7	(3, 3)	Yes	Yes	693.2
(13, 11)	7	(2, 2)	Yes	Yes	695.9
(13, 11)	7	(3, 2)	Yes	Yes	695.95
(14, 11)	6	(2, 3)	No	Yes	690.01
(14, 11)	6	(3, 3)	No	Yes	690.03
(14, 11)	6	(2, 2)	No	Yes	691.36
(14, 11)	6	(3, 2)	No	Yes	692.3
(14, 11)	7	(2, 3)	No	Yes	690.28
(14, 11)	7	(3, 3)	No	No	690.15
(14, 11)	7	(2, 2)	No	Yes	690.58
(14, 11)	7	(3, 2)	No	Yes	691.5

Note. Lag₁: the maximum *lag* time of average temperature. Lag₂: the maximum *lag* time of average relative humidity. N: the freedom of natural cubic spline of *time*. N₁: the degrees of freedom of the natural cubic spline function in the expose-lag dimension of cross-basis terms for average temperature. N₂: the degrees of freedom of the natural cubic spline function in the expose-lag dimension of cross-basis terms for average relative humidity. The significance test of RR_1 : the significance test of delayed RR at the average temperature corresponding to the maximum RR at the maximum lag₁. The significance test of RR_2 : the significance test of delayed RR of average relative humidity corresponding to the maximum RR at the maximum lag₂.

Supplementary Table S4. The parameters determination for internal knots number at equally spaced values for the natural cubic spline function in the cross-basis terms

(M ₁ , M ₂)	Whether it passes the significance test of RR_3	Whether it passes the significance test of RR_4	AIC criterion
(2, 3)	Yes	Yes	693.2
(2, 2)	Yes	No	695.5
(3, 2)	Yes	No	694.21
(3, 3)	Yes	No	692.55

Note. M₁: the number of internal knots at equally spaced values for the natural cubic spline function in the cross-basis terms of average temperature. M₂: the number of internal knots at equally spaced values for the natural cubic spline function in the cross-basis terms of average relative humidity. The significance test of RR_3 : the significance test of delayed RR at the average temperature corresponding to the maximum RR at the maximum lag 13. The significance test of RR_4 : the significance test of delayed RR of average relative humidity corresponding to the maximum RR at the maximum 11.

Supplementary Table S5. The RR (95% CI) of monthly average temperature on the PTB incidence at different lag months

TM (°C)	lag0	lag1	lag2	lag3	lag4	lag5	lag6	lag7	lag8	lag9	lag10	lag11	lag12	lag13
17	1.08 (0.91, 1.29)	1.16 (0.99, 1.35)	1.24 (1.07, 1.44)	1.32 (1.13, 1.55)	1.4 (1.18, 1.66)	1.46 (1.21, 1.76)	1.51 (1.24, 1.84)	1.53 (1.25, 1.87)	1.53 (1.26, 1.86)	1.51 (1.25, 1.81)	1.47 (1.24, 1.75)	1.43 (1.21, 1.68)	1.37 (1.17, 1.61)	1.32 (1.11, 1.56)
18	1.06 (0.92, 1.23)	1.12 (0.99, 1.27)	1.18 (1.05, 1.33)	1.24 (1.09, 1.41)	1.29 (1.13, 1.49)	1.34 (1.15, 1.56)	1.37 (1.17, 1.62)	1.39 (1.18, 1.64)	1.38 (1.18, 1.64)	1.36 (1.18, 1.61)	1.33 (1.18, 1.57)	1.33 (1.16, 1.53)	1.3 (1.13, 1.49)	1.26 (1.09, 1.46)
19	1.05 (0.93, 1.19)	1.09 (0.98, 1.21)	1.13 (1.02, 1.25)	1.17 (1.05, 1.30)	1.2 (1.07, 1.35)	1.23 (1.08, 1.41)	1.26 (1.09, 1.45)	1.27 (1.10, 1.47)	1.28 (1.11, 1.47)	1.27 (1.11, 1.46)	1.26 (1.11, 1.43)	1.25 (1.1, 1.41)	1.23 (1.09, 1.39)	1.21 (1.06, 1.38)
20	1.03 (0.92, 1.16)	1.06 (0.96, 1.17)	1.08 (0.98, 1.19)	1.11 (1.00, 1.22)	1.13 (1.01, 1.26)	1.15 (1.01, 1.29)	1.16 (1.02, 1.32)	1.17 (1.03, 1.34)	1.18 (1.03, 1.34)	1.18 (1.04, 1.34)	1.18 (1.05, 1.33)	1.17 (1.05, 1.32)	1.17 (1.04, 1.30)	1.16 (1.03, 1.31)
21	1.02 (0.92, 1.14)	1.03 (0.94, 1.14)	1.05 (0.95, 1.15)	1.06 (0.96, 1.17)	1.07 (0.96, 1.19)	1.08 (0.96, 1.21)	1.09 (0.96, 1.23)	1.09 (0.97, 1.24)	1.1 (0.97, 1.24)	1.11 (0.98, 1.24)	1.11 (0.99, 1.24)	1.11 (1.00, 1.24)	1.12 (1.00, 1.24)	1.12 (1.00, 1.25)
22	1.01 (0.92, 1.11)	1.02 (0.93, 1.11)	1.02 (0.94, 1.11)	1.02 (0.93, 1.12)	1.03 (0.93, 1.13)	1.03 (0.93, 1.14)	1.04 (0.93, 1.16)	1.04 (0.93, 1.16)	1.05 (0.94, 1.17)	1.05 (0.95, 1.17)	1.06 (0.96, 1.17)	1.07 (0.97, 1.17)	1.08 (0.98, 1.18)	1.08 (0.98, 1.20)
23	1.01 (0.94, 1.08)	1.00 (0.94, 1.07)	1.00 (0.94, 1.07)	1.00 (0.94, 1.08)	1.00 (0.93, 1.08)	1.00 (0.93, 1.09)	1.01 (0.93, 1.09)	1.01 (0.93, 1.10)	1.02 (0.94, 1.10)	1.02 (0.95, 1.10)	1.03 (0.96, 1.11)	1.04 (0.97, 1.11)	1.04 (0.98, 1.12)	1.05 (0.98, 1.13)
24	1 (0.96, 1.04)	1.00 (0.97, 1.04)	1.00 (0.96, 1.03)	1.00 (0.96, 1.03)	1.00 (0.96, 1.04)	1.00 (0.95, 1.04)	1.00 (0.95, 1.04)	1.00 (0.96, 1.04)	1.01 (0.96, 1.05)	1.01 (0.96, 1.05)	1.01 (0.97, 1.05)	1.01 (0.98, 1.05)	1.02 (0.98, 1.06)	1.03 (0.99, 1.07)
25	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)
26	1.00 (0.97, 1.03)	1.00 (0.97, 1.03)	1.01 (0.98, 1.04)	1.01 (0.98, 1.04)	1.01 (0.98, 1.04)	1.01 (0.98, 1.05)	1.01 (0.97, 1.05)	1.01 (0.97, 1.05)	1.01 (0.97, 1.04)	1.00 (0.97, 1.04)	1.00 (0.96, 1.03)	0.99 (0.96, 1.02)	0.98 (0.95, 1.01)	0.98 (0.95, 1.01)
27	1.00 (0.94, 1.06)	1.01 (0.95, 1.06)	1.01 (0.96, 1.07)	1.02 (0.97, 1.08)	1.02 (0.97, 1.08)	1.03 (0.97, 1.09)	1.03 (0.96, 1.09)	1.02 (0.96, 1.09)	1.01 (0.95, 1.08)	1.01 (0.95, 1.07)	0.99 (0.94, 1.05)	0.98 (0.93, 1.04)	0.97 (0.91, 1.02)	0.95 (0.9, 1.01)
28	1.00 (0.92, 1.08)	1.01 (0.94, 1.08)	1.02 (0.96, 1.09)	1.03 (0.97, 1.10)	1.04 (0.97, 1.11)	1.04 (0.97, 1.12)	1.04 (0.97, 1.12)	1.03 (0.96, 1.11)	1.02 (0.95, 1.10)	1.01 (0.94, 1.08)	0.99 (0.92, 1.06)	0.97 (0.9, 1.04)	0.95 (0.88, 1.02)	0.92 (0.85, 1.00)
29	1.00 (0.9, 1.10)	1.01 (0.93, 1.10)	1.03 (0.95, 1.11)	1.04 (0.97, 1.11)	1.05 (0.98, 1.12)	1.05 (0.98, 1.13)	1.05 (0.98, 1.13)	1.04 (0.97, 1.12)	1.03 (0.95, 1.11)	1.01 (0.93, 1.09)	0.98 (0.91, 1.06)	0.95 (0.88, 1.04)	0.92 (0.84, 1.02)	0.9 (0.81, 1.00)
30	1.00 (0.87, 1.13)	1.01 (0.91, 1.13)	1.03 (0.94, 1.13)	1.05 (0.97, 1.13)	1.06 (0.98, 1.14)	1.06 (0.98, 1.15)	1.06 (0.98, 1.15)	1.05 (0.96, 1.14)	1.03 (0.94, 1.12)	1.00 (0.92, 1.10)	0.97 (0.88, 1.07)	0.94 (0.84, 1.04)	0.9 (0.8, 1.02)	0.87 (0.75, 1.00)

Note. * P -value < 0.05, and TM is the monthly average temperature.

Supplementary Table S6. The cumulative *RRs* (95% *CI*) of monthly average temperature and monthly average relative humidity on the PTB incidence by different lag period

Average temperature (°C)			Average relative humidity (%)		
Lag	Value	<i>RR</i> (95% <i>CI</i>)	Lag	Value	<i>RR</i> (95% <i>CI</i>)
lag0-3	17	2.06 (1.13, 3.74)*	lag0-3	73.00	1.28 (1.05, 1.57)*
lag0-6	17	6.32 (2.22, 18.01)*	lag0-6	73.00	1.79 (1.26, 2.53)*
lag0-9	17	22.31 (4.85, 102.70)*	lag0-9	73.00	2.40 (1.49, 3.87)*
lag0-13	17	85.01 (12.11, 596.83)*	lag0-11	73.00	2.72 (1.58, 4.67)*
lag0-3	18.09	1.73 (1.08, 2.77)*	lag0-3	74.24	1.20 (0.99, 1.45)
lag0-6	18.09	4.02 (1.76, 9.15)*	lag0-6	74.24	1.79 (1.28, 2.50)*
lag0-9	18.09	10.51 (3.12, 35.40)*	lag0-9	74.24	2.56 (1.60, 4.10)*
lag0-13	18.09	30.64 (6.28, 149.50)*	lag0-11	74.24	2.93 (1.71, 5.01)*

Note. **P*-value < 0.05.

Supplementary Table S7. The *RRs* (95% *CI*) of monthly average temperature and monthly average relative humidity on the PTB incidence at different lag months

Lag	Average temperature (°C)		Average relative humidity (%)	
	17.00	18.09	73.00	74.24
lag0	1.08 (0.91, 1.29)	1.06 (0.92, 1.22)	1.03 (0.98, 1.09)	0.99 (0.94, 1.05)
lag1	1.16 (0.99, 1.35)	1.12 (0.99, 1.27)	1.05 (1.00, 1.11)*	1.03 (0.98, 1.08)
lag2	1.24 (1.07, 1.44)*	1.18 (1.05, 1.32)*	1.08 (1.02, 1.13)*	1.07 (1.02, 1.12)*
lag3	1.32 (1.13, 1.55)*	1.23 (1.09, 1.39)*	1.09 (1.04, 1.15)*	1.10 (1.05, 1.16)*
lag4	1.40 (1.18, 1.66)*	1.29 (1.12, 1.47)*	1.11 (1.05, 1.17)*	1.13 (1.07, 1.19)*
lag5	1.46 (1.21, 1.76)*	1.33 (1.14, 1.54)*	1.12 (1.06, 1.18)*	1.14 (1.08, 1.21)*
lag6	1.51 (1.24, 1.84)*	1.36 (1.16, 1.60)*	1.12 (1.06, 1.18)*	1.15 (1.09, 1.22)*
lag7	1.53 (1.25, 1.87)*	1.38 (1.17, 1.62)*	1.12 (1.06, 1.17)*	1.15 (1.08, 1.21)*
lag8	1.53 (1.26, 1.86)*	1.38 (1.18, 1.62)*	1.11 (1.05, 1.16)*	1.13 (1.07, 1.19)*
lag9	1.51 (1.25, 1.81)*	1.37 (1.18, 1.60)*	1.09 (1.04, 1.14)*	1.11 (1.06, 1.16)*
lag10	1.47 (1.24, 1.75)*	1.35 (1.17, 1.56)*	1.07 (1.02, 1.12)*	1.08 (1.03, 1.13)*
lag11	1.43 (1.21, 1.68)*	1.32 (1.16, 1.52)*	1.05 (1.00, 1.11)*	1.05 (1.00, 1.11)*
lag12	1.37 (1.17, 1.61)*	1.29 (1.13, 1.48)*	–	–
lag13	1.32 (1.11, 1.56)*	1.26 (1.09, 1.46)*	–	–

Note. **P*-value < 0.05.

Supplementary Table S8. The RR (95% CI) of monthly average relative humidity on the PTB incidence at different lag months

RH (%)	lag0	lag1	lag2	lag3	lag4	lag5	lag6	lag7	lag8	lag9	lag10	lag11
68.98	1.24 (1.06, 1.45)*	1.16 (1.02, 1.31)*	1.08 (0.97, 1.2)	1.02 (0.93, 1.12)	0.97 (0.89, 1.06)	0.94 (0.85, 1.03)	0.92 (0.84, 1.01)	0.92 (0.85, 1)	0.93 (0.87, 1.01)	0.96 (0.89, 1.04)	0.99 (0.9, 1.09)	1.03 (0.91, 1.16)
69.98	1.18 (1.05, 1.33)*	1.13 (1.02, 1.25)*	1.08 (0.99, 1.18)	1.04 (0.97, 1.12)	1.01 (0.94, 1.09)	0.99 (0.92, 1.06)	0.98 (0.91, 1.05)	0.97 (0.91, 1.04)	0.98 (0.92, 1.04)	1 (0.93, 1.06)	1.01 (0.94, 1.09)	1.04 (0.94, 1.14)
70.98	1.12 (1.02, 1.23)*	1.1 (1.02, 1.19)*	1.08 (1.01, 1.16)*	1.06 (1, 1.13)*	1.05 (0.99, 1.11)	1.04 (0.98, 1.1)	1.03 (0.97, 1.09)	1.03 (0.97, 1.08)	1.03 (0.98, 1.08)	1.03 (0.98, 1.09)	1.04 (0.98, 1.1)	1.04 (0.97, 1.12)
71.98	1.07 (1.00, 1.15)*	1.08 (1.01, 1.15)*	1.08 (1.02, 1.14)*	1.08 (1.02, 1.14)*	1.08 (1.03, 1.14)*	1.08 (1.03, 1.14)*	1.08 (1.03, 1.14)*	1.08 (1.02, 1.13)*	1.07 (1.02, 1.12)*	1.06 (1.02, 1.12)*	1.06 (1.01, 1.11)*	1.05 (0.99, 1.11)
72.98	1.03 (0.98, 1.09)	1.05 (1.00, 1.11)*	1.08 (1.02, 1.13)*	1.09 (1.04, 1.15)*	1.11 (1.05, 1.17)*	1.12 (1.06, 1.18)*	1.12 (1.06, 1.18)*	1.12 (1.06, 1.17)*	1.11 (1.05, 1.16)*	1.09 (1.04, 1.14)*	1.07 (1.02, 1.12)*	1.05 (1, 1.11)*
73.98	1.00 (0.95, 1.05)	1.04 (0.99, 1.09)	1.07 (1.02, 1.12)*	1.1 (1.05, 1.16)*	1.13 (1.07, 1.19)*	1.14 (1.08, 1.21)*	1.15 (1.08, 1.21)*	1.14 (1.08, 1.2)*	1.13 (1.07, 1.18)*	1.11 (1.06, 1.16)*	1.08 (1.03, 1.13)*	1.05 (1, 1.11)*
74.98	0.98 (0.93, 1.03)	1.02 (0.97, 1.07)	1.06 (1.01, 1.11)*	1.1 (1.04, 1.15)*	1.13 (1.07, 1.19)*	1.15 (1.08, 1.21)*	1.15 (1.09, 1.22)*	1.15 (1.09, 1.21)*	1.13 (1.08, 1.19)*	1.11 (1.06, 1.16)*	1.08 (1.03, 1.13)*	1.05 (1, 1.11)*
75.98	0.97 (0.93, 1.02)	1.01 (0.97, 1.05)	1.05 (1.01, 1.09)*	1.08 (1.04, 1.13)*	1.11 (1.06, 1.16)*	1.13 (1.07, 1.19)*	1.14 (1.08, 1.19)*	1.13 (1.08, 1.19)*	1.12 (1.07, 1.17)*	1.1 (1.05, 1.14)*	1.07 (1.03, 1.12)*	1.04 (1, 1.09)*
76.98	0.97 (0.94, 1.01)	1.00 (0.97, 1.03)	1.03 (1, 1.06)*	1.05 (1.02, 1.08)*	1.07 (1.04, 1.11)*	1.09 (1.05, 1.13)*	1.09 (1.05, 1.13)*	1.09 (1.05, 1.13)*	1.08 (1.05, 1.11)*	1.07 (1.04, 1.1)*	1.05 (1.02, 1.08)*	1.03 (1, 1.07)*
77.98	0.99 (0.97, 1.00)	1.00 (0.99, 1.01)	1.01 (1, 1.02)*	1.02 (1.01, 1.04)*	1.03 (1.01, 1.05)*	1.04 (1.02, 1.05)*	1.04 (1.02, 1.06)*	1.04 (1.02, 1.06)*	1.04 (1.02, 1.05)*	1.03 (1.02, 1.04)*	1.02 (1.01, 1.04)*	1.02 (1, 1.03)*
78.98	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1)	1 (1, 1.01)	1 (1, 1.01)	1 (1, 1.01)	1 (1, 1.01)	1 (1, 1)	1 (1, 1)	1 (1, 1)
79.98	1.00 (0.99, 1.01)	1.00 (0.99, 1.01)	1.00 (1.00, 1.01)	1.00 (1.00, 1.01)	1.00 (1.00, 1.1)*	1.00 (1, 1.01)	1.00 (0.99, 1.01)	1 (0.99, 1.01)	1.00 (0.99, 1.00)	1.00 (0.99, 1.00)	0.99 (0.99, 1.00)	0.99 (0.98, 1.00)
80.98	0.99 (0.97, 1.02)	1.00 (0.98, 1.02)	1.01 (1.00, 1.03)	1.02 (1.00, 1.04)	1.02 (1.01, 1.04)*	1.03 (1.01, 1.05)*	1.03 (1.01, 1.04)*	1.02 (1, 1.04)	1.01 (1.00, 1.03)	1.00 (0.99, 1.02)	0.99 (0.97, 1.01)	0.98 (0.96, 1.00)
81.98	0.98 (0.95, 1.02)	1.00 (0.97, 1.03)	1.02 (1, 1.05)	1.04 (1.02, 1.06)*	1.05 (1.02, 1.08)*	1.06 (1.03, 1.08)*	1.05 (1.03, 1.08)*	1.04 (1.02, 1.07)	1.03 (1.01, 1.05)	1.01 (0.99, 1.03)	0.99 (0.96, 1.02)	0.97 (0.93, 1.00)
82.98	0.97 (0.93, 1.02)	1.00 (0.97, 1.04)	1.03 (1, 1.06)*	1.05 (1.02, 1.08)*	1.06 (1.03, 1.09)*	1.07 (1.04, 1.1)*	1.07 (1.03, 1.1)*	1.06 (1.02, 1.08)	1.03 (1.01, 1.06)	1.01 (0.98, 1.03)	0.98 (0.95, 1.01)	0.95 (0.91, 0.98)
83.98	0.96 (0.92, 1.01)	0.99 (0.96, 1.03)	1.02 (0.99, 1.05)	1.05 (1.02, 1.08)*	1.07 (1.04, 1.1)*	1.08 (1.04, 1.11)*	1.07 (1.04, 1.1)*	1.05 (1.02, 1.08)	1.03 (1.00, 1.06)	0.99 (0.97, 1.02)	0.96 (0.92, 0.99)	0.92 (0.88, 0.97)
84.98	0.95 (0.9, 1.01)	0.99 (0.94, 1.03)	1.02 (0.98, 1.05)	1.04 (1.01, 1.08)*	1.06 (1.03, 1.1)*	1.07 (1.03, 1.11)*	1.06 (1.02, 1.1)*	1.04 (1.01, 1.08)	1.01 (0.98, 1.05)	0.98 (0.94, 1.02)	0.93 (0.89, 0.99)	0.89 (0.83, 0.96)
85.98	0.94 (0.88, 1.02)	0.98 (0.92, 1.03)	1.01 (0.96, 1.06)	1.04 (0.99, 1.08)	1.05 (1, 1.1)*	1.06 (1.01, 1.12)*	1.05 (1.00, 1.11)	1.03 (0.98, 1.08)	0.99 (0.94, 1.05)	0.95 (0.9, 1.01)	0.91 (0.84, 0.98)	0.86 (0.79, 0.95)

Note. * P -value<0.05, and RH is the monthly average relative humidity.