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*Supplement of*

## **China's historical record when searching for tropical cyclones corresponding to Intertropical Convergence Zone (ITCZ) shifts over the past 2 kyr**

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Table S1. The statistical numbers of paleotyphoons in southeastern China from 0-1000 A.D. in Figure 3.

Year	Count	Year	Count	Year	Count
0	0	450	1	900	2
10	1	460	0	910	0
20	2	470	3	920	2
30	0	480	1	930	3
40	0	490	4	940	0
50	0	500	6	950	2
60	0	510	2	960	2
70	0	520	2	970	1
80	0	530	0	980	1
90	2	540	0	990	0
100	1	550	0	1000	1
110	2	560	3		
120	2	570	1		
130	0	580	1		
140	0	590	0		
150	0	600	1		
160	0	610	1		
170	1	620	0		
180	1	630	0		
190	1	640	1		
200	0	650	0		
210	0	660	0		
220	0	670	1		
230	0	680	2		
240	2	690	2		
250	1	700	5		
260	0	710	2		
270	2	720	3		
280	5	730	2		
290	2	740	0		
300	0	750	4		
310	0	760	1		
320	2	770	3		
330	1	780	1		
340	1	790	2		
350	0	800	2		
360	0	810	5		
370	2	820	2		
380	2	830	4		
390	0	840	2		
400	1	850	0		
410	2	860	2		
420	1	870	0		
430	2	880	0		
440	0	890	0		

Table S2. The statistical numbers of paleotyphoons in southeastern China from 1000-1910 A.D. in Figure 4.

Year	Count	Year	Count
1000	1	1490	4

1010	1	1500	3
1020	0	1510	7
1030	1	1520	11
1040	1	1530	6
1050	1	1540	6
1060	0	1550	7
1070	0	1560	7
1080	2	1570	8
1090	1	1580	6
1100	0	1590	5
1110	3	1600	8
1120	1	1610	6
1130	0	1620	10
1140	0	1630	9
1150	0	1640	13
1160	1	1650	12
1170	0	1660	14
1180	1	1670	20
1190	2	1680	12
1200	1	1690	4
1210	2	1700	5
1220	1	1710	5
1230	0	1720	9
1240	0	1730	8
1250	0	1740	8
1260	0	1750	8
1270	1	1760	10
1280	1	1770	13
1290	1	1780	10
1300	2	1790	8
1310	0	1800	6
1320	1	1810	6
1330	0	1820	9
1340	1	1830	4
1350	2	1840	7
1360	2	1850	8
1370	4	1860	15
1380	5	1870	10
1390	3	1880	8
1400	1	1890	6
1410	2	1900	9
1420	2	1910	2
1430	1		
1440	1		
1450	1		
1460	0		
1470	3		
1480	2		

Table S3. The monthly statistical numbers of paleotyphoons in Figure 5.

Fig5a.

Fig. 5b

Fig. 5c

Month	Count	Month	Count	Month	Count (China)	Count(Western Pacific)
1	2	1	0	1	16	25
2	0	2	0	2	6	8
3	1	3	1	3	7	16
4	17	4	0	4	24	34
5	11	5	2	5	51	71
6	22	6	3	6	64	136
7	25	7	31	7	164	279
8	19	8	40	8	224	378
9	9	9	20	9	173	326
10	3	10	2	10	96	238
11	3	11	0	11	60	150
12	4	12	0	12	29	70

Table S4. The statistical numbers of paleotyphoons in the regions of southeastern China from 1000-1910 A.D. in Figure 6.

Year	Shandong	Jiangsu & Shanghai	Zhejiang	Fujian & Taiwan	Guangdong	Hainan
900	0	0	0	0	0	0
910	0	0	0	0	0	0
920	0	0	0	0	0	0
930	0	0	0	0	0	0
940	0	0	0	0	0	0
950	0	0	0	0	0	0
960	0	0	0	0	0	0
970	0	0	0	0	1	0
980	0	0	0	0	0	1
990	0	0	0	0	0	0
1000	0	0	0	1	0	0
1010	0	0	0	0	1	0
1020	0	0	0	0	0	0
1030	0	0	1	0	0	0
1040	0	0	0	0	1	0
1050	0	0	0	1	0	0
1060	0	0	0	0	0	0
1070	0	0	0	0	0	0
1080	0	0	0	0	1	1
1090	0	0	0	0	1	0
1100	0	0	0	0	0	0
1110	0	0	0	1	2	0
1120	0	0	0	0	1	0
1130	0	0	0	0	0	0
1140	0	0	0	0	0	0
1150	0	0	0	0	0	0
1160	0	0	0	0	1	0
1170	0	0	0	0	0	0
1180	0	0	0	0	0	1
1190	0	0	1	0	1	0
1200	0	0	0	0	1	0
1210	0	0	0	1	1	0
1220	0	0	1	0	0	0
1230	0	0	0	0	0	0
1240	0	0	0	0	0	0
1250	0	0	0	0	0	0
1260	0	0	0	0	0	0
1270	0	0	0	0	1	0
1280	0	0	0	0	1	0
1290	0	0	1	0	0	0
1300	0	0	1	0	1	0
1310	0	0	0	0	0	0
1320	0	0	0	0	1	0
1330	0	0	0	0	0	0
1340	0	0	0	0	1	0
1350	0	0	0	0	2	0
1360	0	0	1	0	1	0
1370	0	1	1	1	2	0
1380	0	1	1	0	3	0
1390	0	1	0	0	2	0
1400	0	0	1	0	1	0
1410	0	0	0	0	1	0

1420	0	0	0	0	1	1
1430	0	0	0	0	0	1
1440	0	1	0	0	0	0
1450	0	0	0	1	0	0
1460	0	0	0	0	0	0
1470	0	0	1	0	2	0
1480	0	1	0	1	0	0
1490	0	0	0	2	3	0
1500	0	0	0	0	2	1
1510	0	1	0	2	3	0
1520	0	1	2	1	4	0
1530	1	0	1	2	3	0
1540	0	0	0	2	4	0
1550	0	0	0	0	6	1
1560	0	2	1	0	3	1
1570	0	1	0	0	7	0
1580	0	1	1	0	4	0
1590	0	1	0	2	1	2
1600	0	0	0	3	5	1
1610	0	0	1	1	3	2
1620	0	0	1	0	8	1
1630	0	1	0	0	3	1
1640	0	2	0	2	4	1
1650	1	1	2	1	3	4
1660	0	0	2	1	8	0
1670	0	0	0	0	16	3
1680	0	1	1	0	7	1
1690	0	0	2	0	1	0
1700	0	0	1	1	3	2
1710	0	1	0	1	3	1
1720	0	2	3	1	7	1
1730	0	1	4	3	5	2
1740	0	3	1	2	4	3
1750	0	0	0	1	6	2
1760	0	0	0	1	8	1
1770	0	2	3	2	8	2
1780	0	4	1	0	6	2
1790	0	2	1	1	4	0
1800	0	1	1	1	4	0
1810	0	1	1	2	4	5
1820	0	0	1	1	8	2
1830	0	4	0	0	2	1
1840	0	2	1	1	4	0
1850	0	0	1	3	6	4
1860	0	1	1	5	10	2
1870	0	0	2	1	8	2
1880	0	0	1	4	4	1
1890	0	0	0	1	5	1
1900	0	0	1	1	5	2
1910	0	0	1	1	0	0
1920	0	0	0	0	0	0

Table S5. Original records are related to typhoon in 1270-1320 A.D. and 1400-1450A.D. Late emperor reorganized the previous local documents. (in Chinese)

Occurring time	Descriptions	Locality	Data source
1297 A.D. July	There was strong wind and a rainstorm overnight in Wenzhou, and a flooding occurred the next morning. People who lived along the coast in Pingyang had drowned. The elders claimed that the waves were more than 10 meters high.	Zhejiang	Ming Dynasty, Hongzhi Record, Wenzhou Prefecture Records, Volume 17, The Fortunate and Abnormal Events (明.弘治.溫州府志.卷十七祥異)
1409 A.D.	Jufeng damaged the government's warehouses, all the documents had been destroyed.	Zhejiang	Ming Dynasty, Wanli Record, Huangyan County Records, Volume 7, The Record of Evolution. (萬曆.黃岩縣志.卷七紀變)
1409 A.D.	A huge jufeng brought salty water and flooded the city, the seawall was destroyed by the waves and huge amount of people had drowned.	Guangdong	Qing Dynasty, Kangxi Record, Suixi County Records, Volume 1, The Record of Events. (康熙.遂溪縣志.卷一事紀)
1415 A.D.	There are jufengs in the fall, snow in the winter, killing all the cherry blossoms.	Guangdong	Qing Dynasty, Kangxi Record, Panyu County Records, Volume 14, The Record of Events. (康熙.番禺縣志.卷十四事紀)
1422 A.D. May	A jufeng, (storm) made sea water flooding and the houses floating or swallowing.	Guangdong	Qing Dynasty, Daoguang Record, Xinhui County Records, Volume 14, The Fortunate and Disastrous Events(道光.新會縣志.卷十四祥異)
1423 A.D. August	The jufeng and rainstorm in Qiongzhou triggered a sea water intrusion drowning buildings and 52 local people had died.	Hainan	Qing Dynasty, Xianfeng Record, Qiongxan County Records, Volume 2. (咸豐.瓊山縣志.卷)
1431 A.D.	The The jufeng and pouring rain lasted whole night causing a huge raise in water level and drowned many people.	Hainan	Qing Dynasty, Kangxi Record, Lingao County Records, Volume 1, The Record of Disastrous and Fortunate Events. (康熙.臨高縣志.卷一災祥)
1442 A.D.	Flooding and the jufeng damaged the sea wall.	Jiangsu	Ming Dynasty, the 5 <sup>th</sup> year of Longqing Changzhou County Records, Volume 2, Water Conservancy (隆慶五年.長州縣志.卷二水利)