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*Numenius phaeopus*

2018 2

7

6 378      1 km      36 ± 4 d

1 ~ 3      23 ± 2 d      9 795 ± 346

km n = 7

90 ± 27 d      2 ~ 4

79 ± 29 d      10 101 ± 520 km n = 5

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## Tracking the Migration of Whimbrels along the East Asian-Australasian Flyway

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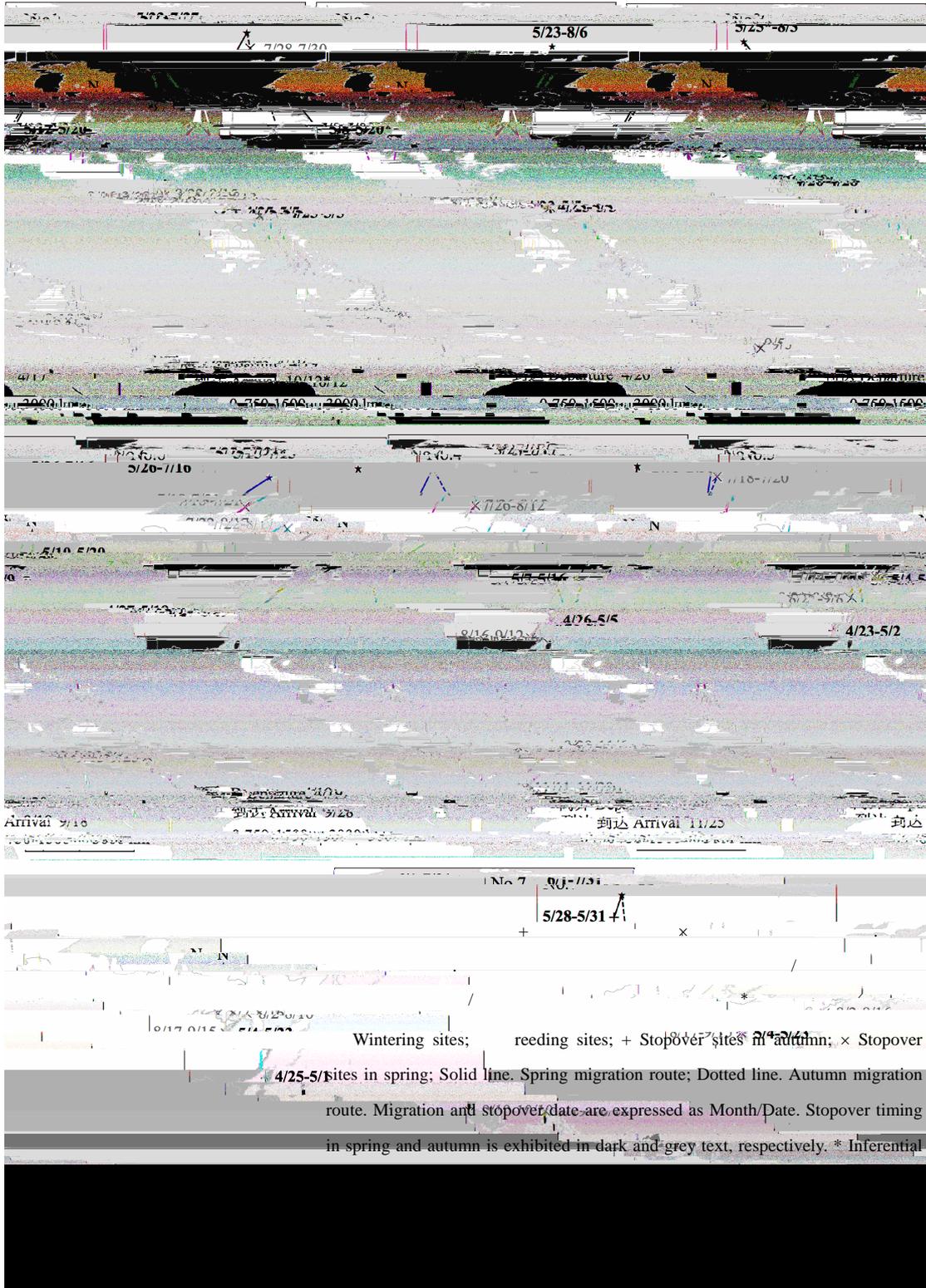


Fig. 1 Migration routes and major stopover sites of Whimbrels

## 1

Table 1 Migration timing and distances of Whimbrels

	Individual number							Mean (SD)
	1	2	3	4	5	6	7	
Wintering ground departure date (Month-date)	4-19	4-20	4-17	4-19	4-18	4-20	4-18	4-19
Spring stopover duration (d)	21	20	24*	24	22	21*	28	23 (2)
Breeding ground arrival date (Month- date)	5-23	5-23	5-25*	5-23	5-26	5-25	6-1	5-25
Breeding ground departure date (Month- date)	7-27	8-6	8-3	7-17	7-16	7-23*	7-31	7-26
Autumn stopover duration (d)				58*	112	44	102	79 (29)
Wintering ground arrival date (Month- date)	10-12*			9-28	11-25	9-18	11-23	10-22
Spring migration duration (d)	34	33	38*	34	37	35	44	36 (4)
Autumn migration duration (d)	77*			73	130	57*	115	90 (27)
Migration distance (km)	9 782	9 483	9 615	9 697	10 616	9 690	9 679	9 795 (346)
Migration distance (km)	9 822			9 701	11 124	9 995	9 866	10 101 (520)

\* inferential value.

## 2

Table 2 Stopover location and duration of Whimbrels

Individual Number	Spring migration			Autumn migration		
	Stopover times	Stopover sites	(d) Stopover duration	Stopover times	Stopover sites	(d) Stopover duration
1	2	Pudong New District, Shanghai	2	3	Tomponsky District, Sakha Republic, Russia	2
		Dongying City, Shandong Province	19		Dongying City, Shandong Province	46
					Wajo, Sulawesi Selatan, Indonesia	-
2	3	Zhangpu County, Fujian Province	10	-	Xingcheng City, Liaoning Province	12
		Huanghua City, Hebei Province	2		Pingyang County, Zhejiang Province	24
		Shuangliao City, Jilin Province	8		Zhongshan City, Guangdong Province	2
3	2	Jinjiang City, Fujian Province	12	-	Shishi City, Fujian Province	24
		Horqin Zuoyi Zhongqi, Inner Mongolia Autonomous Region	12*			
4	3	Xiapu County, Fujian Province	9	4	Verkhnevilyuysky District, Sakha Republic, Russia	2
		Zhuanghe City, Liaoning Province	5		Gaizhou City, Liaoning Province	7*

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Individual Number	Spring migration			Autumn migration		
	Stopover times	Stopover sites	(d) Stopover duration	Stopover times	Stopover sites	(d) Stopover duration

Johnson et al. 2016  
10°  
N Carneiro et al. 2019  
Hedenström et al. 1997  
Adriaensen 1990  
Kemp et al. 2010  
Hedenström et al.  
1997  
Kiat et al. 2016 Verhoeven et al. 2016  
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Klaassen  
et al. 2010 Vansteelant et al. 2017 Briedis et al.  
2018  
No. 5  
Hua et al. 2015  
La Sorte et al.  
2014 Briedis et al. 2018 No. 5  
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