

## Supplementary Information 5 (SI.5 Appendix)

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**SI.5 Appendix** Summary of spatial movement information from n = 20 loggerhead females equipped with satellite tags in the ‘Roche Percée’ (RP) and ‘Grand Lagon Sud’ (GLS) nesting areas over the 2016-17 to 2022-23 period. Metrics were calculated over the portion of the tracks prior to initiating migration. PTT ID refers to the tags identification codes. Tagging area refers to the nesting area within which the tags were deployed. Tag duration refers to the number of monitored days before migration initiation

PTT ID	Nesting season	Tagging area	Tagging date	Tag duration (d)	Distribution range (km <sup>2</sup> )
65581	2019-2020	RP	08 Dec.	30	77.5
167370	2016-2017	RP	11 Dec.	32	294.2
194624	2019-2020	RP	23 Feb.	15	408.5
194630	2019-2020	RP	13 Jan.	13	16.1
194637	2019-2020	RP	29 Jan.	13	54.4
194643	2019-2020	RP	13 Jan.	15	41.3
194644	2019-2020	RP	23 Jan.	14	22.6
194646	2019-2020	RP	14 Jan.	14	41.7
194648	2019-2020	RP	25 Dec.	33	58.9
<b>mean</b> <b>± sd</b>	<b>n = 9</b>	<b>RP</b>	<b>24 Dec.</b>	<b>19.9</b> <b>± 8.9</b>	<b>112.8</b> <b>± 139.4</b>
65565	2019-2020	GLS	09 Dec.	45	298.1
65572	2019-2020	GLS	04 Dec.	51	415.2
65577	2018-2019	GLS	09 Jan.	15	284.6
167385	2017-2018	GLS	16 Jan.	15	68.5
194621	2020-2021	GLS	22 Dec.	28	239.8
194625	2019-2020	GLS	02 Jan.	44	1678.7
194627	2021-2022	GLS	21 Dec.	19	219.4
194628	2019-2020	GLS	23 Dec.	14	46.4
194631	2019-2020	GLS	23 Dec.	31	209.0
194642	2019-2020	GLS	10 Dec.	50	570.7
194651	2021-2022	GLS	04 Jan.	46	532.3
<b>mean</b> <b>± sd</b>	<b>n = 11</b>	<b>GLS</b>	<b>10 Jan.</b>	<b>32.5</b> <b>± 15.1</b>	<b>414.8</b> <b>± 450.9</b>