**Supporting Information for:**

Tracking the non-breeding range of Rapa Shearwater *Puffinus myrtae*, a Critically Endangered seabird of the South Pacific Ocean

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**This PDF file includes: Figures S1 to S4**

**Figure S1.**

Raw light data. Orange lines represent the expected sunrise and sunset times at the deployment site. Red lines highlight the period used to analyse the distribution of the bird outside of the breeding season.

Une image contenant capture d’écran, ligne, Tracé

Description générée automatiquement

**Figure S2.**

Recording of the light data intensity over time showing the frequentation of the potential nesting site (burrow) over the course of an annual cycle. The GLS was deployed on 31/08/2019 and retrieved on 22/07/2020.

Une image contenant texte, peigne

Description générée automatiquement

**Figure S3.**

Une image contenant diagramme, ligne, Tracé, Police

Description générée automatiquementVariations in the quantile values in the *changelight* function from the package Geolight. The *changelight* function helps to separate periods of residency from periods of movement, based on changes in sunrise and sunset times. Here, we set a minimum stationary period of 3 days.

**Figure S4.**

Fishery activities over the period 2018-2020. From the Global Fishing Watch data, we estimated the cumulative number of days with fishing activities over the period 2018-2020 in the area surroundings the Rapa Shearwater *Puffinus myrtae* breeding and non-breeding ranges.

