

December 2024 Committee Meeting

Eleanor Gnam

Meeting Outline

- Proposal Review & Proposal Structure
- 2024 Progress Update
- Academic Timeline
- 2025 Fieldwork Plans

Proposal Review & Proposal Structure

Proposal: Further topics to address

- Source-sink dynamics
 - Additional data from Baccalieu could provide a lot of insight
- Implications of informed dispersal for resilience to global change

Proposal Structure

Title: Behavioural Ecology and Phenology of Pre-breeding Leach's storm-petrels

- Replace “pre-breeding” with “subadult?”
- Incorporate fledglings into title?

Proposal Structure

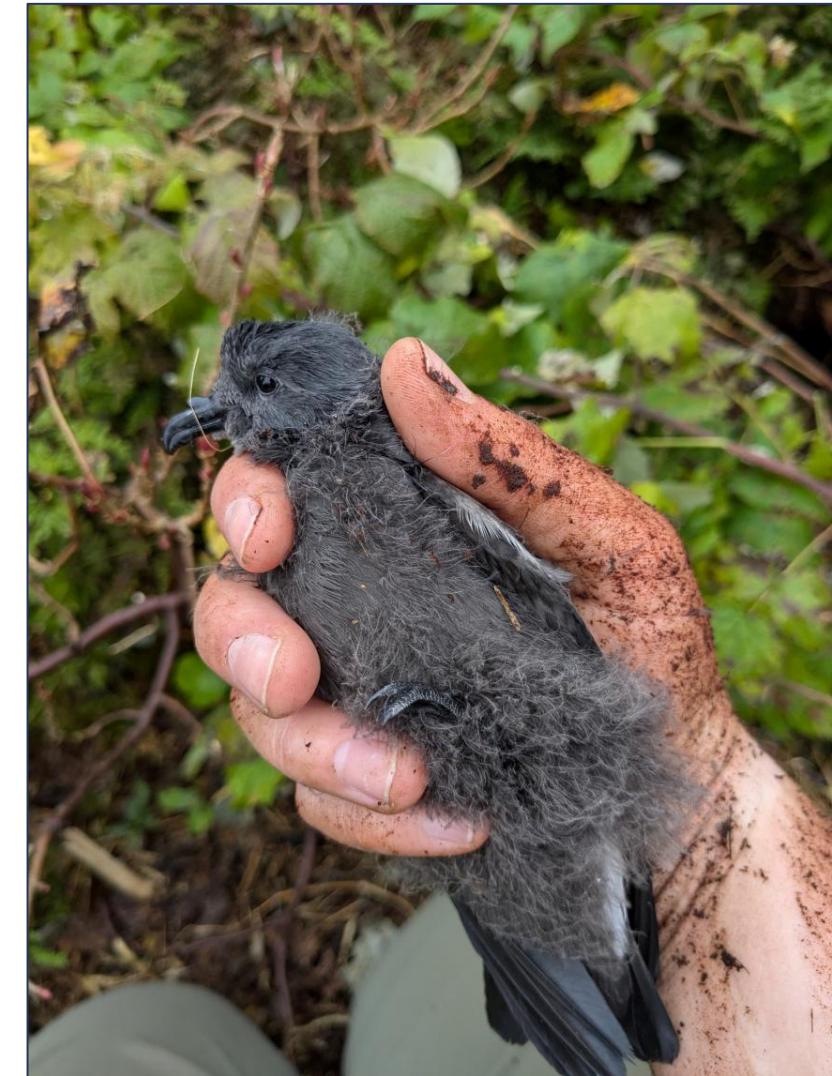
Chapter Order & Titles:

1. Inter-colony movements of prospecting Leach's storm-petrels
2. Post-fledging behaviour of juvenile Leach's storm-petrels
3. Vocal behaviour and phenology
4. Abundance and distribution of prospecting Leach's storm-petrels

- Reverse order of chapters 1 and 2?
- Avoid the term “prospecting?”

2024 Fieldwork Progress Update

2024 Field Season



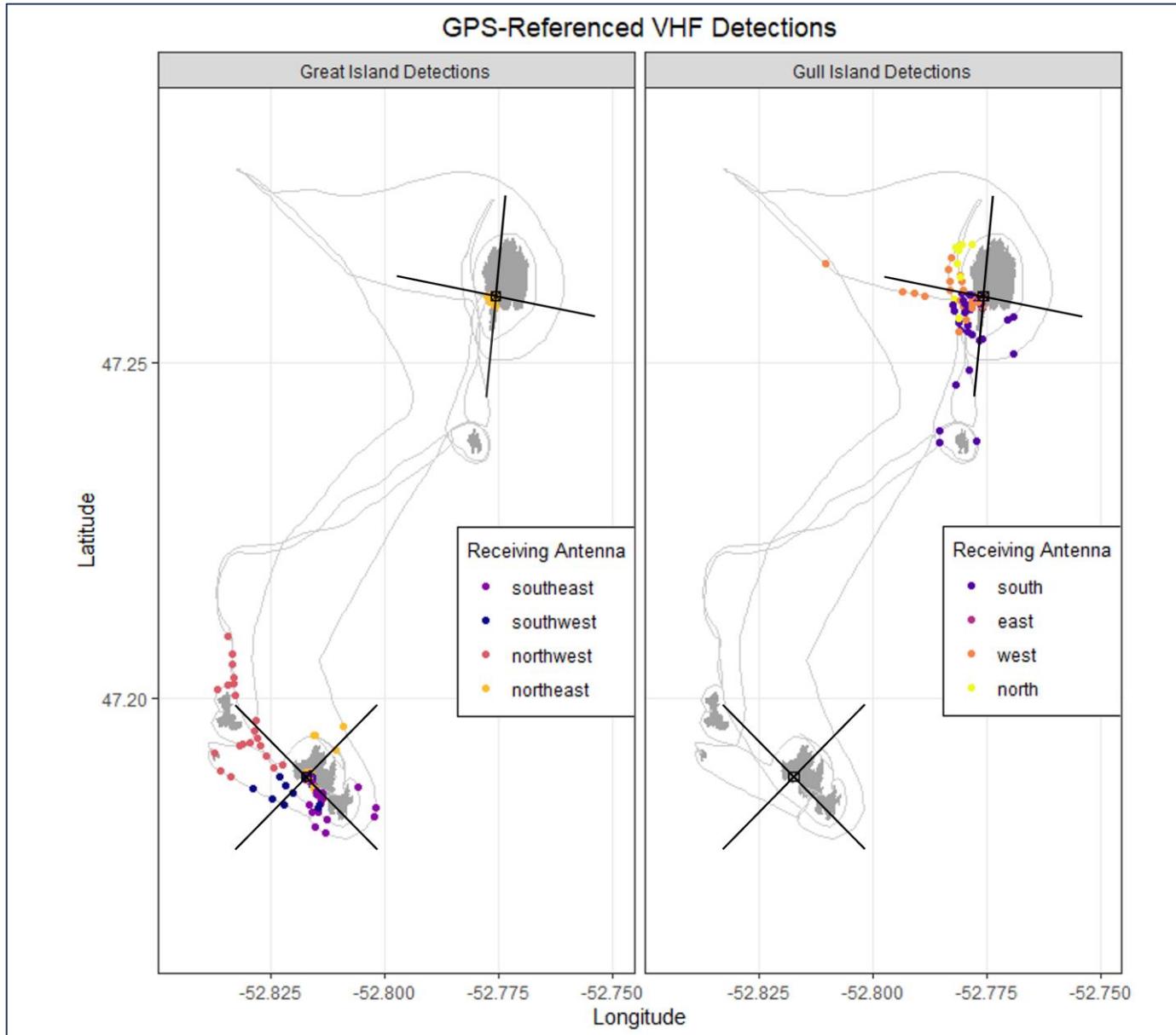
Receiver Stations



Receiver Stations

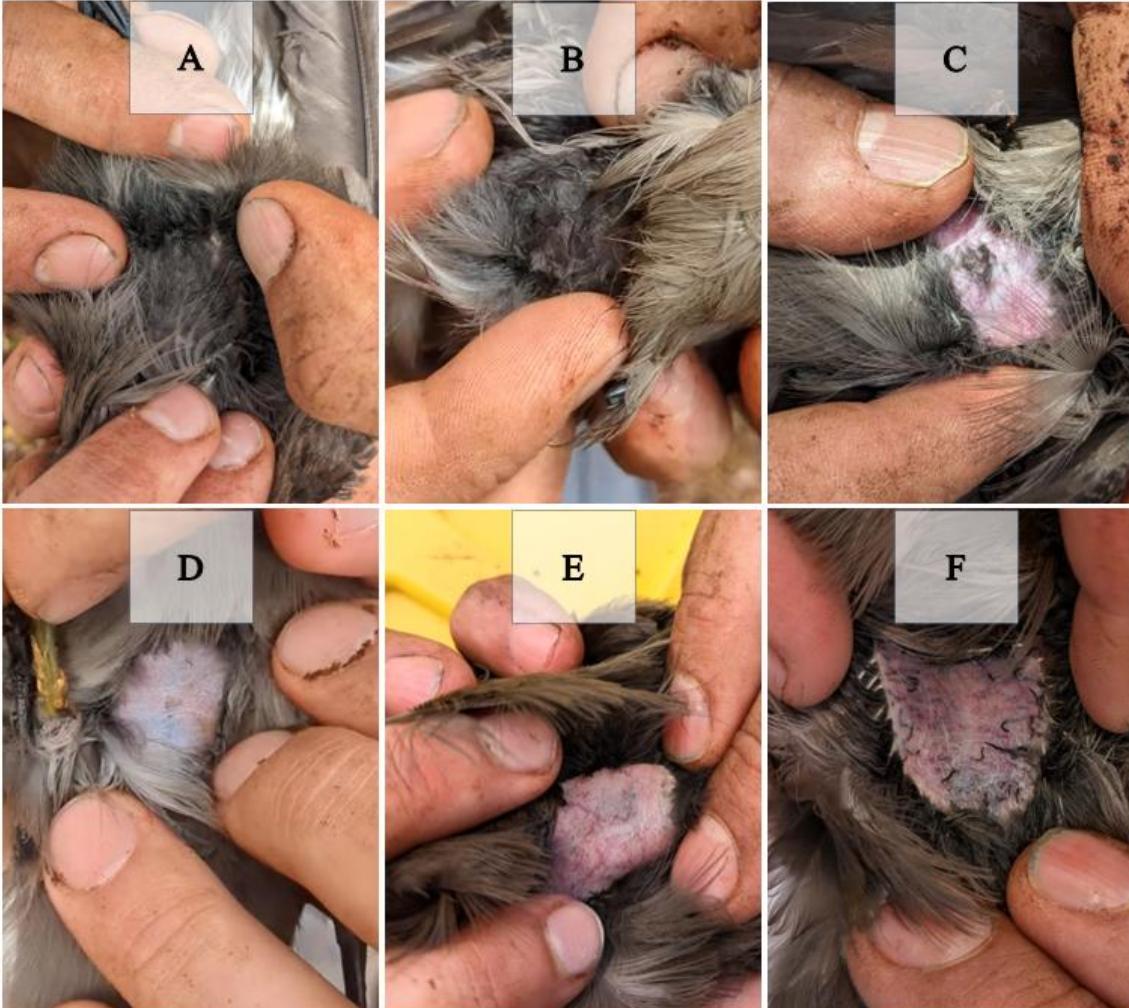


Receiver Stations



Mist-netting

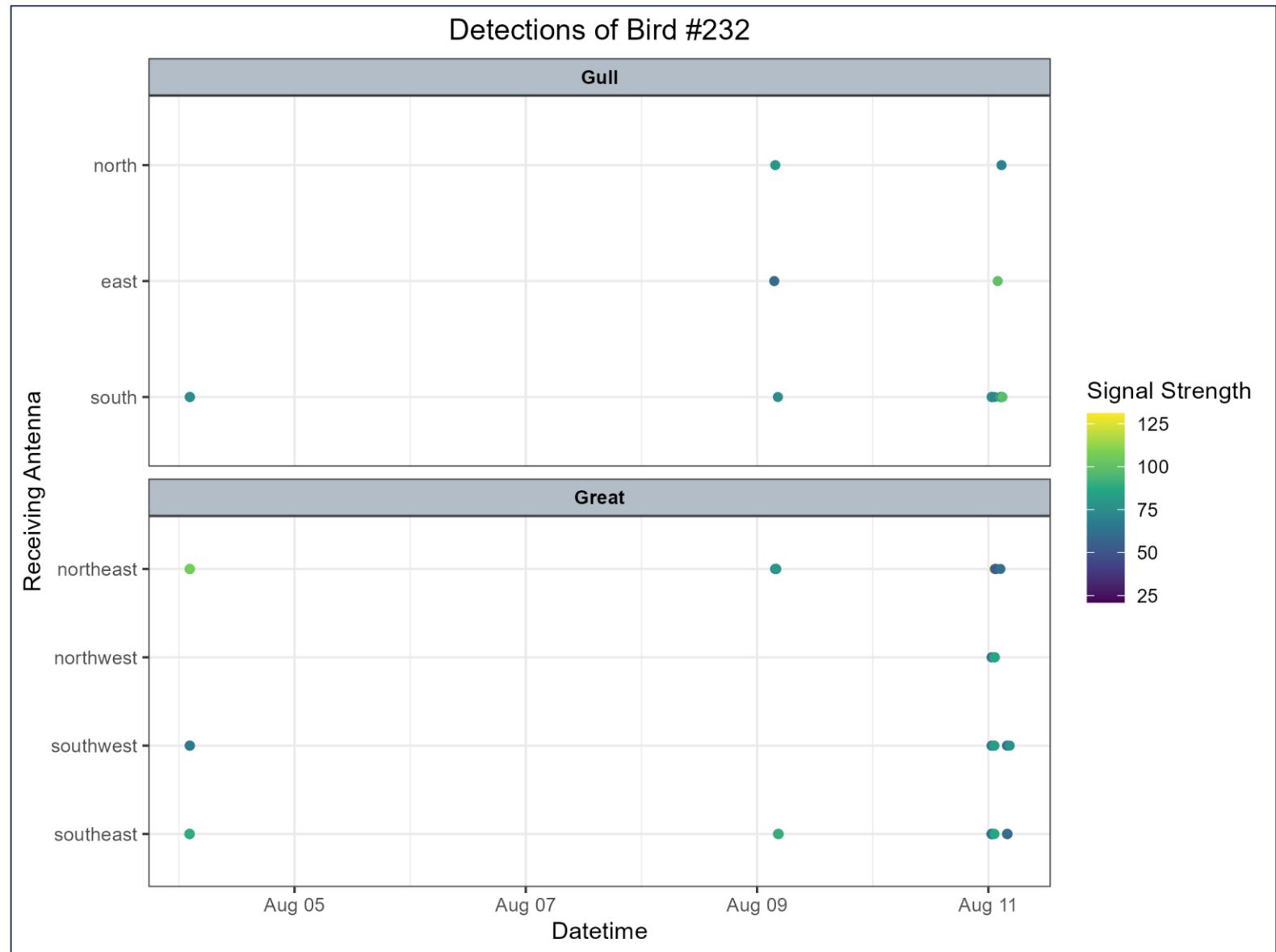
A	Brood patch score: 0 Qualifies for tagging: Yes
B	Brood Patch Score: 0 Qualifies for tagging: Yes
C	Brood Patch Score: 1 (very advanced) Qualifies for tagging: No
D	Brood Patch Score: 2 Qualifies for tagging: No
E	Brood Patch Score: 3 Qualifies for tagging: No
F	Brood Patch Score: 4 Qualifies for tagging: No



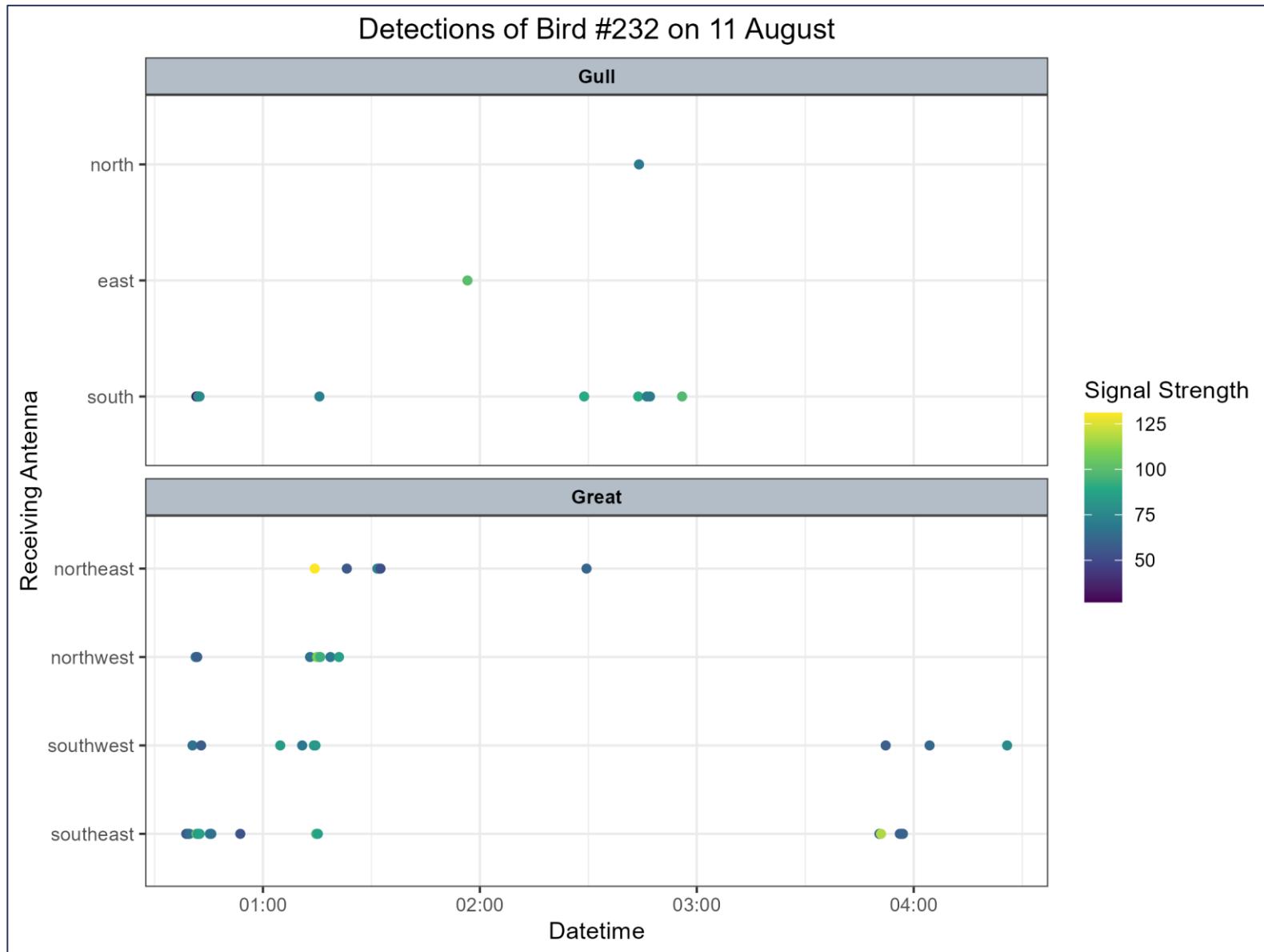
VHF Tagging



VHF Tagging



VHF Tagging



VHF Tagging



Initial points reflect original capture time and location. All figures show two weeks post-capture.

Chapter 1: VHF Tagging

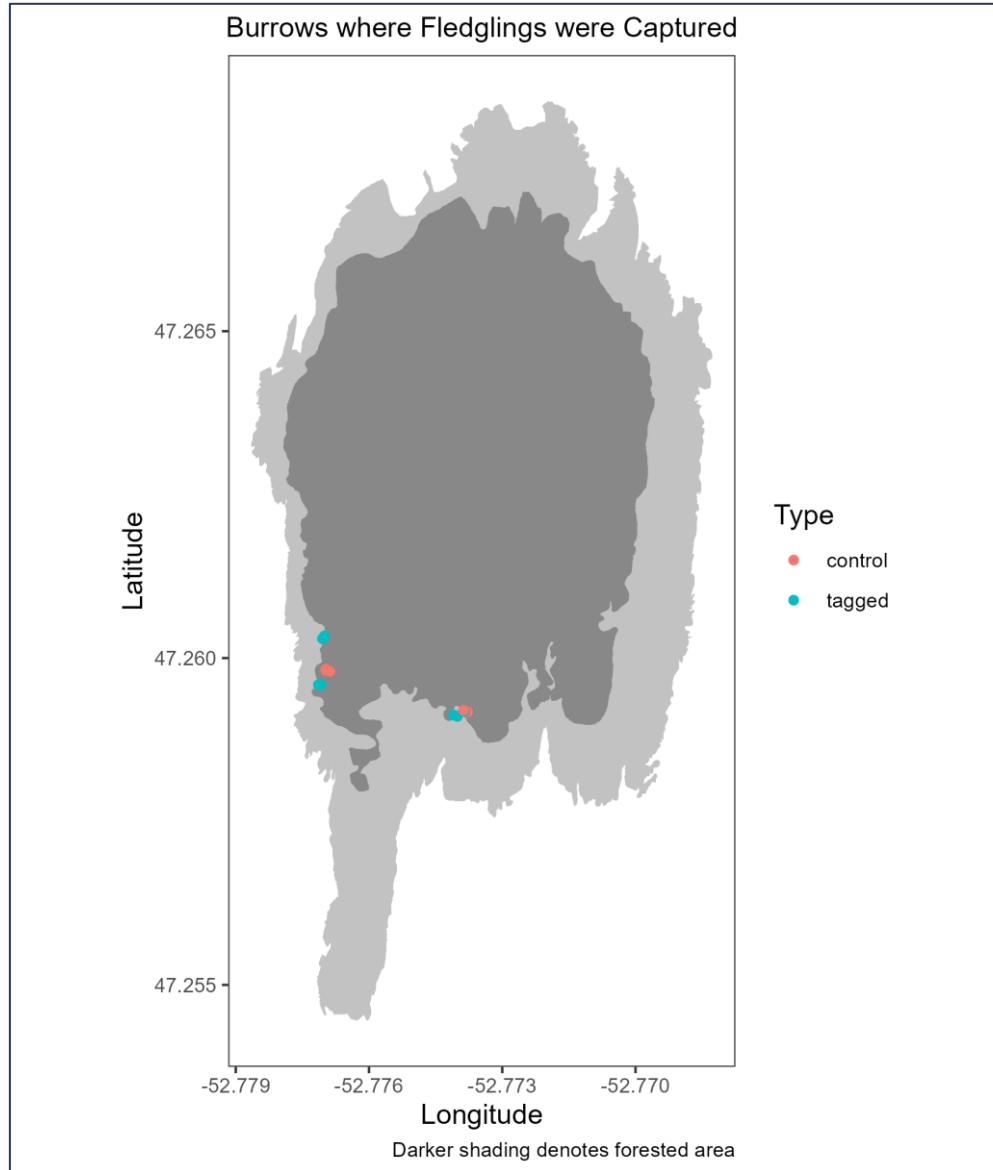
Upcoming Analysis:

- Incorporating sex from blood samples
- Incorporating light and weather data
 - Were there light or weather conditions under which subadults were more likely to return?

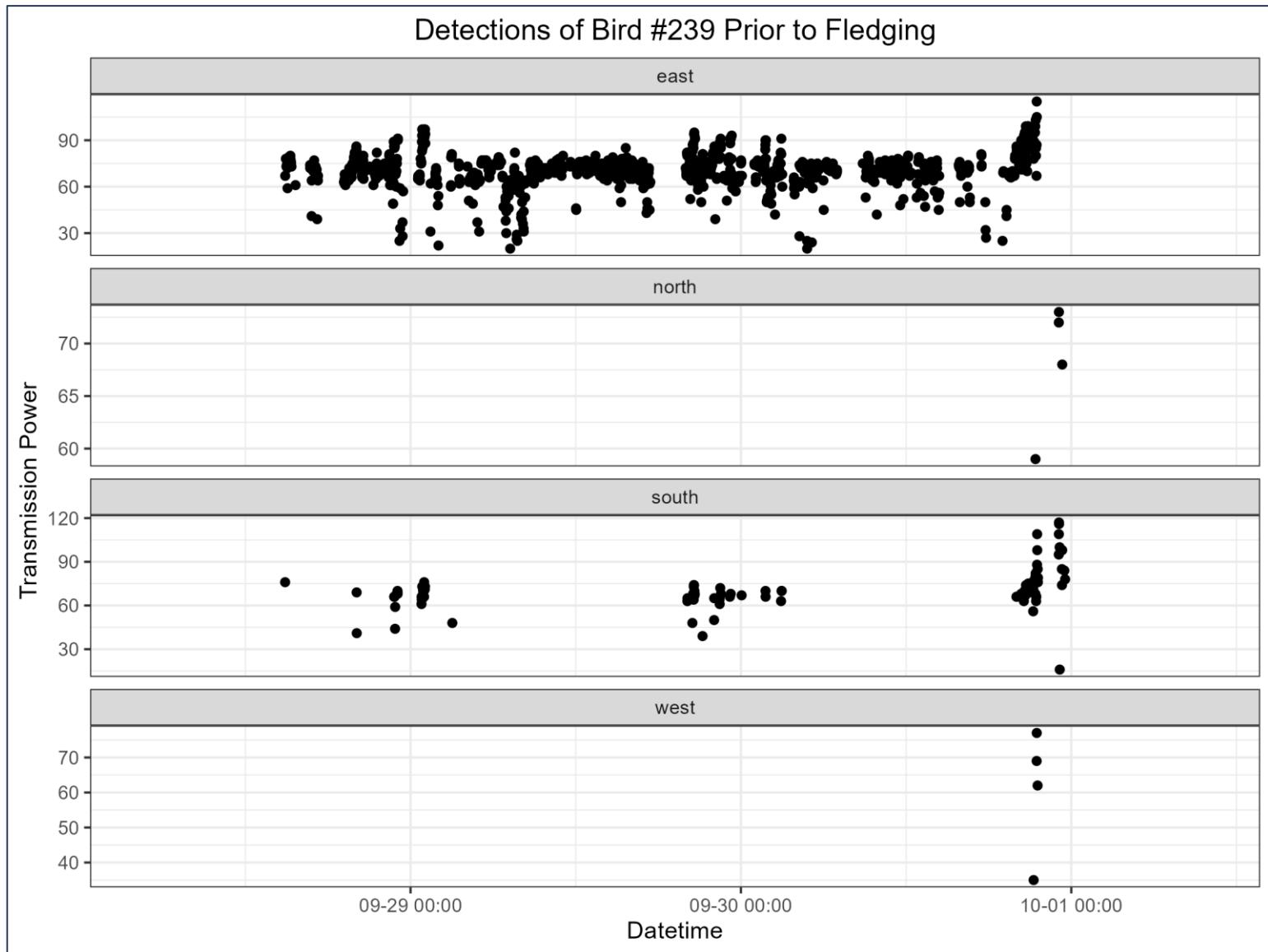
Fledgling Tagging



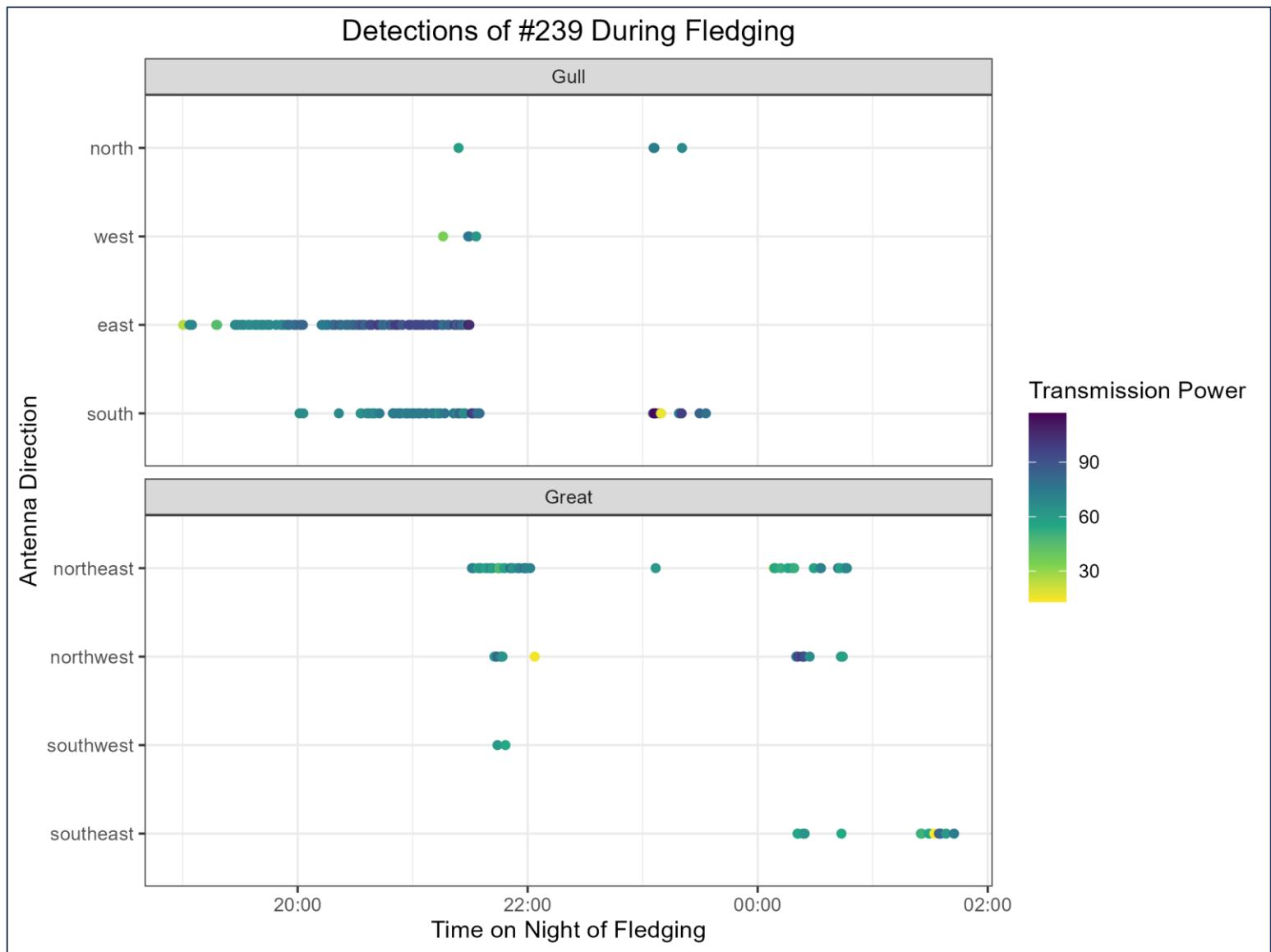
Fledgling Tagging



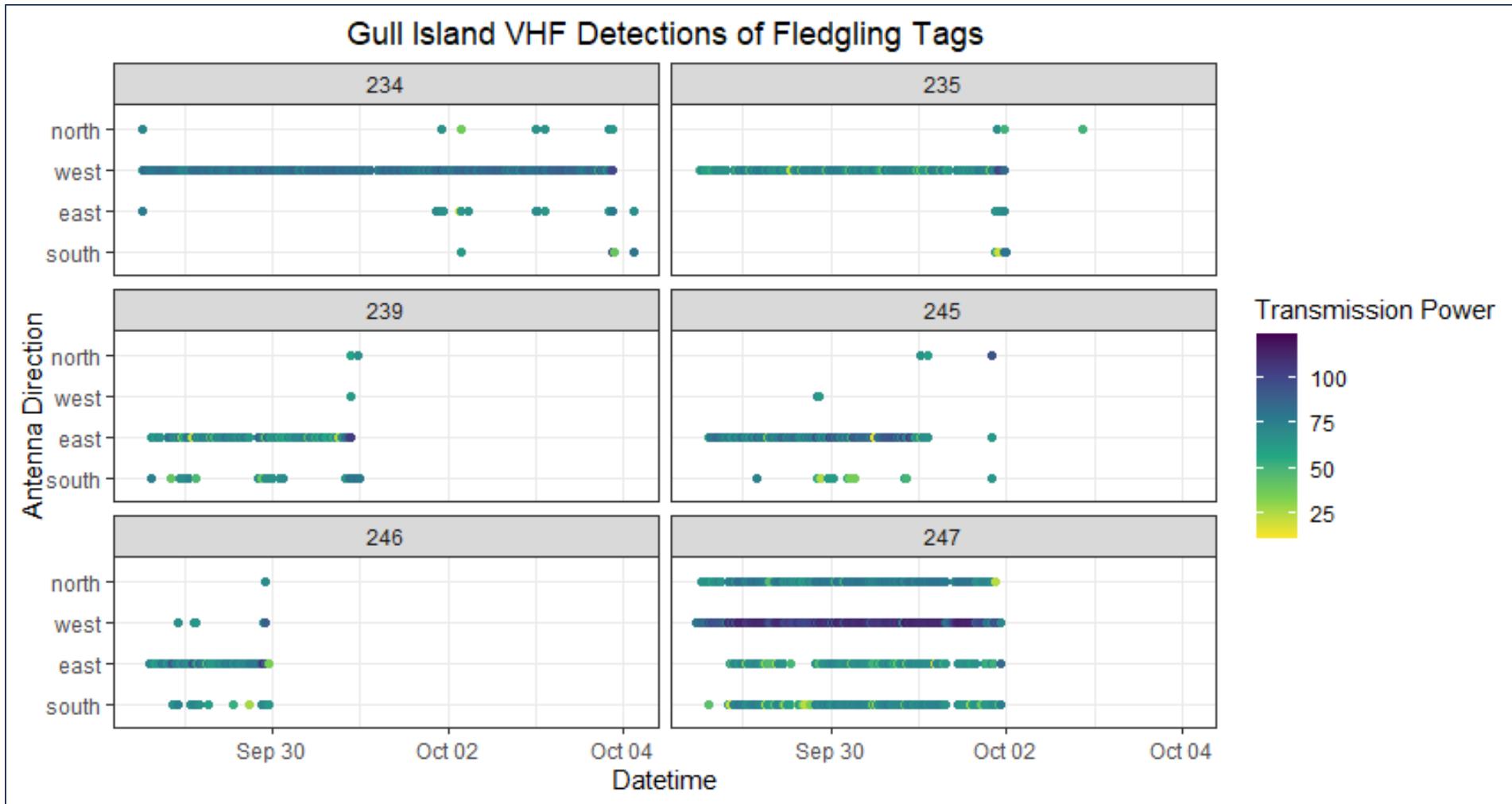
Fledgling Tagging



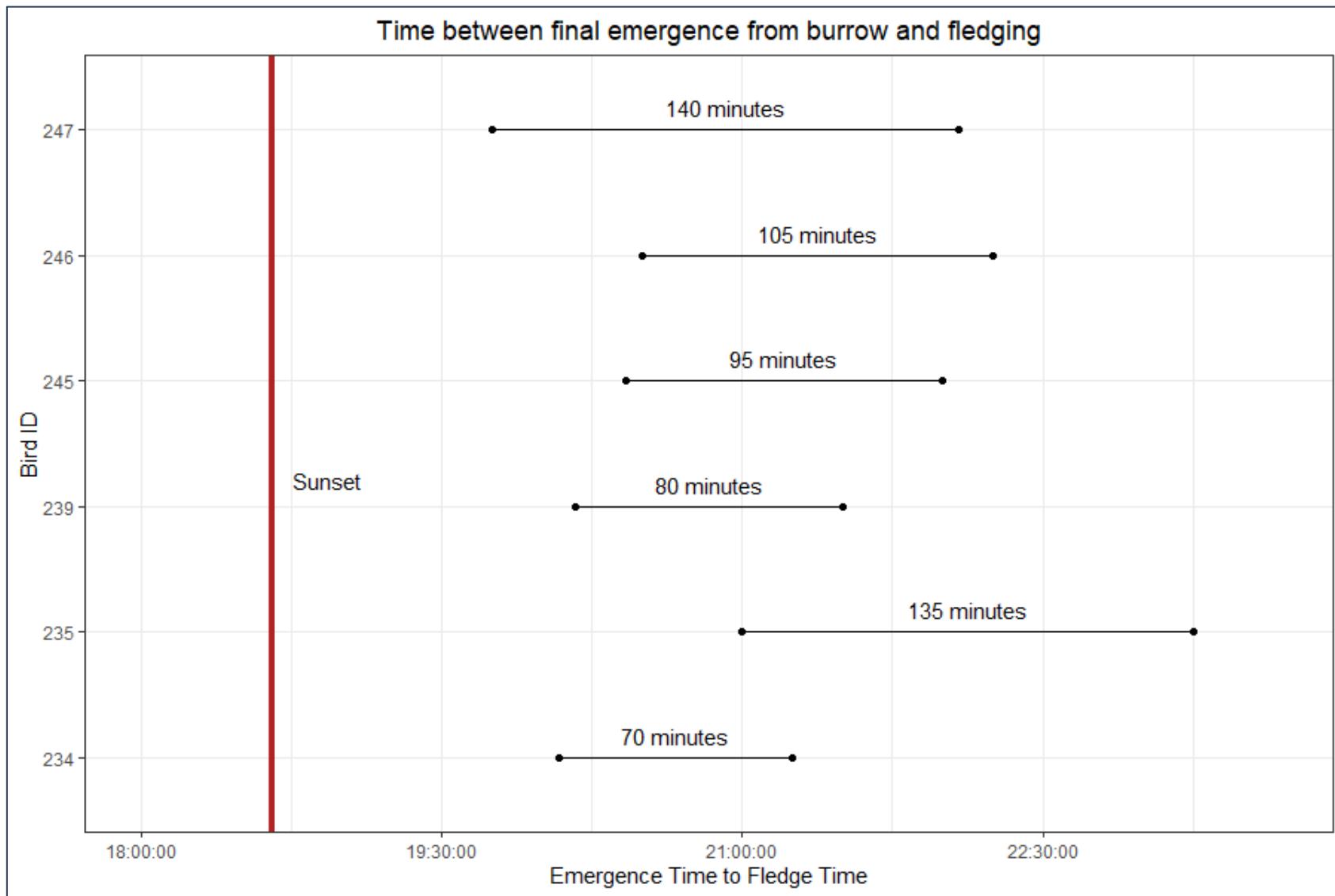
Fledgling Tagging



Fledgling Tagging



Fledgling Tagging



Fledgling Tagging

Upcoming Analysis:

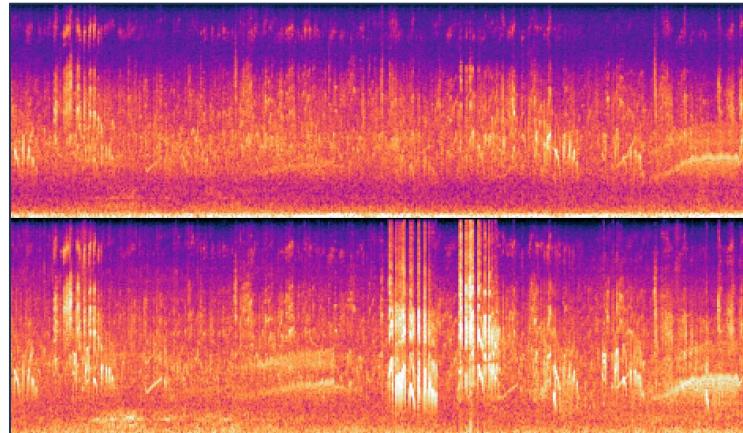
- Incorporating sex from blood samples
- Incorporating light and weather data

Chapter 3: Vocal Behaviour

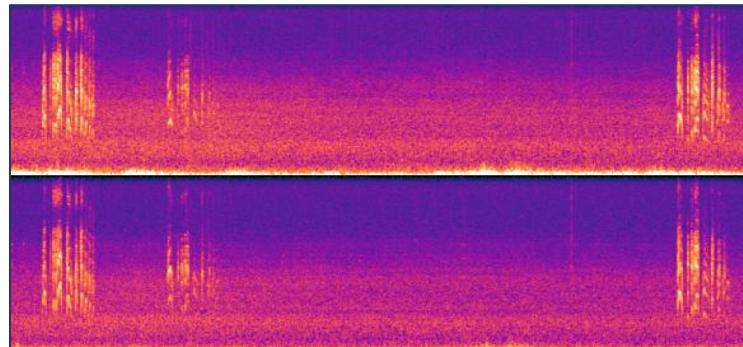


Chapter 3: Vocal Behaviour

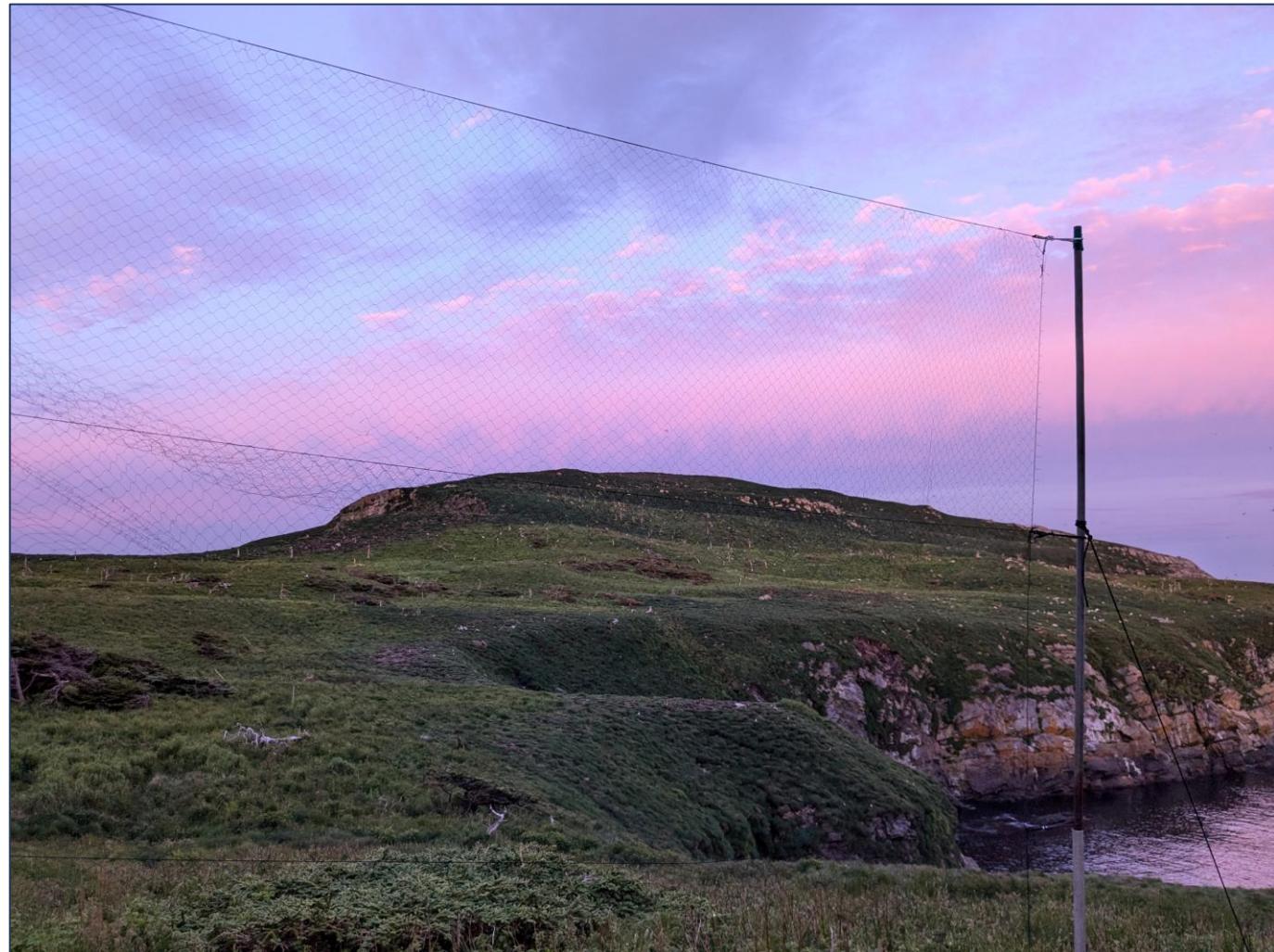
Great Island:



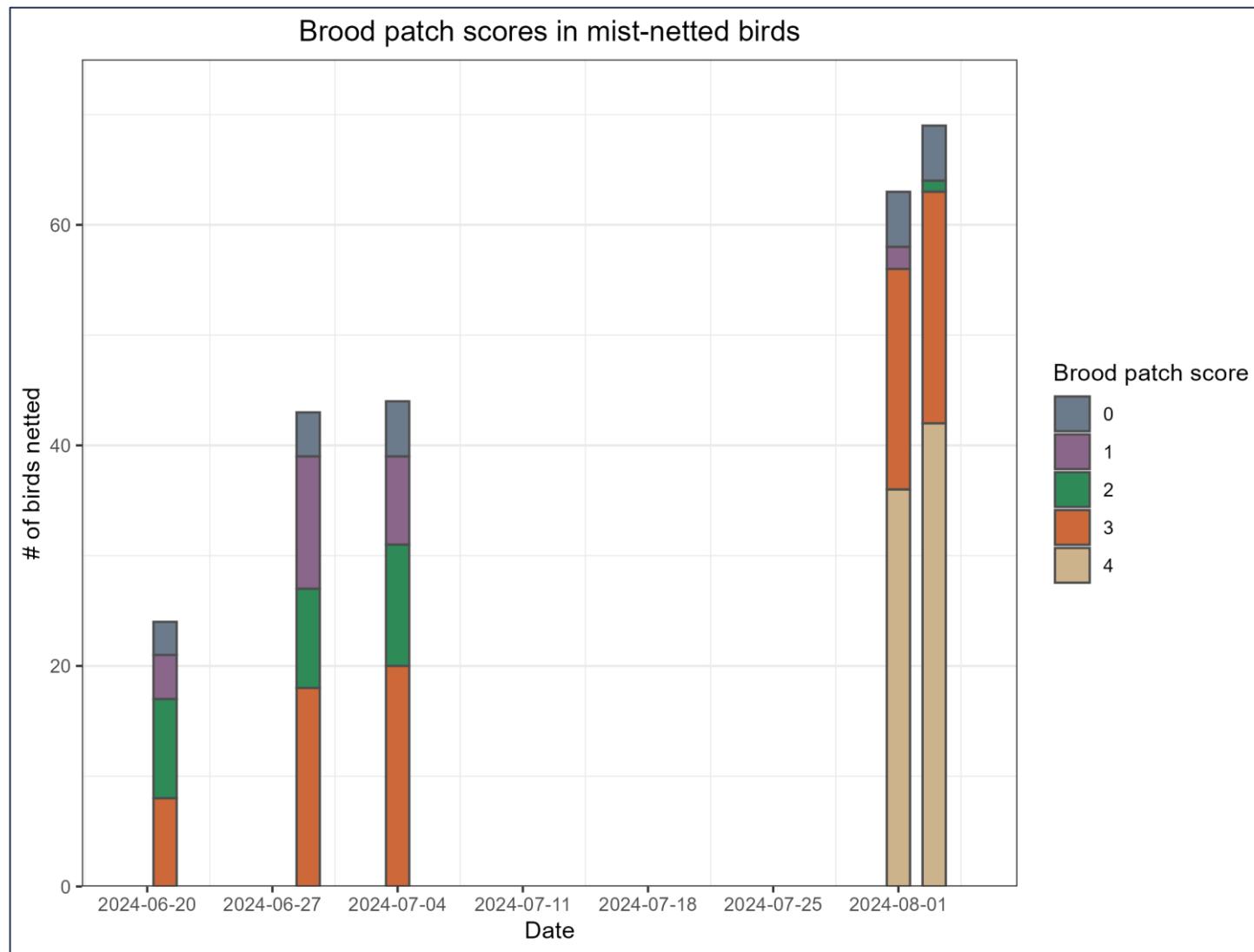
Pee Pee Island:



Chapter 4: Abundance and Distribution

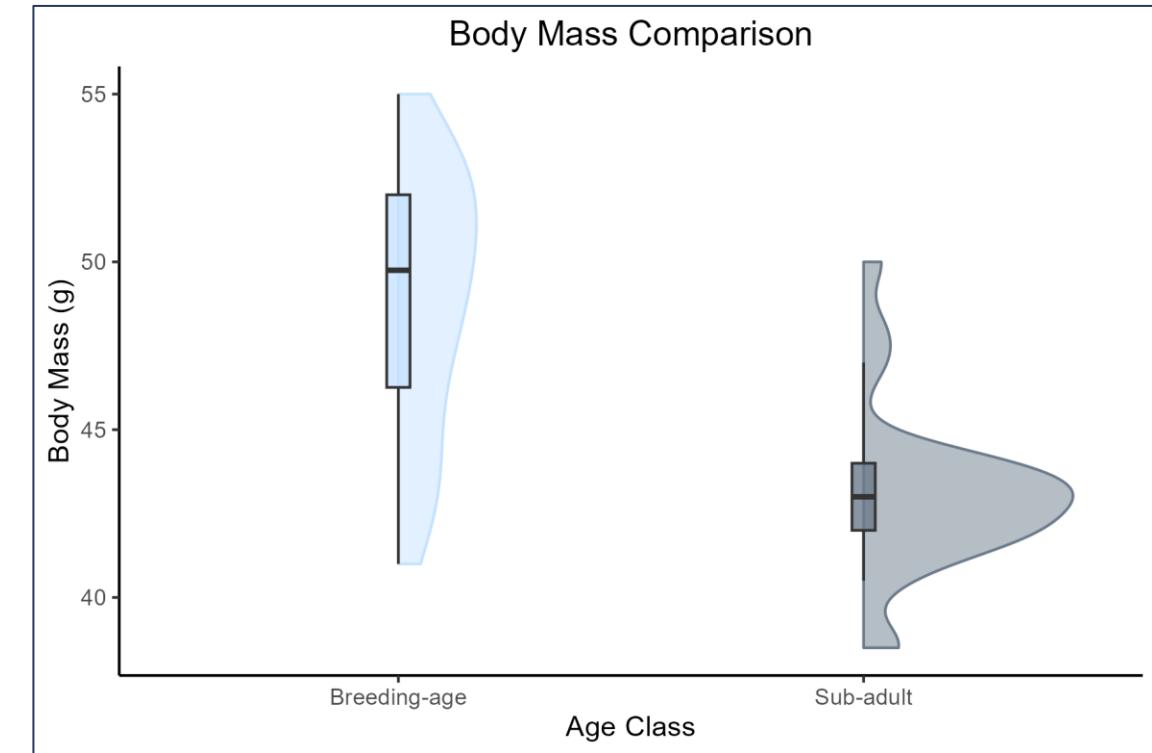
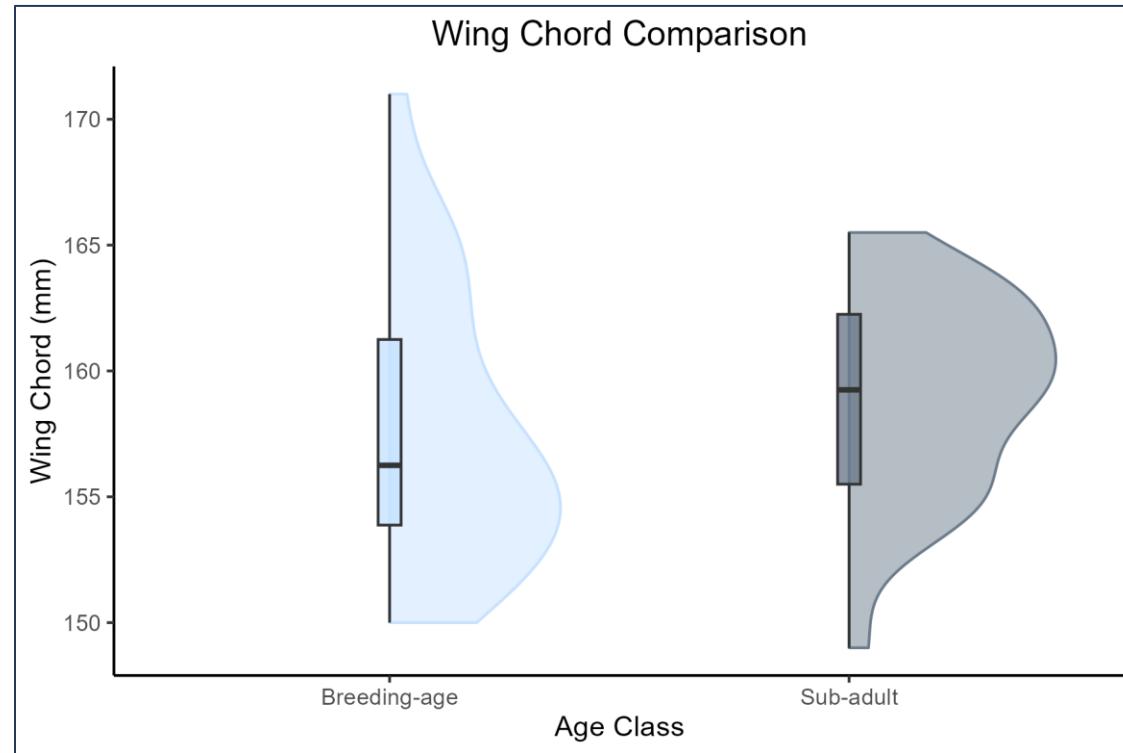


Chapter 4: Abundance and Distribution



Island	Total Hours Mist-netting	Total Birds Captured	Birds per hour
Great	7.76	107	14.12
Gull	9.63	136	13.78
Total	17.39	243	13.97

Chapter 4: Abundance and Distribution



Academic Timeline

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Fall 2024:

- Transferred into PhD program
- Done with coursework

Winter 2025:

- Waterbirds/Pacific Seabird Group conference in January
- Comprehensive exam
 - Committee and topic TBD – discuss
- Updating permits

2025 Fieldwork Plans

VHF System Expansion

