

Read me DATASET Invertebrate sounds from photic to mesophotic coral reefs reveal vertical stratification and diel diversity

This dataset contains 17 wave files. The original files were used for the study published by Raick et al. (2024) in *Oecologia* (10.1007/s00442-024-05572-5), while subsampled versions of these files were used for the studies published by Raick et al. (2023) in *Coral Reefs* (10.1007/s00338-022-02343-7) and Raick et al. (2023) in *Scientia Marina* (10.3989/scimar.05395.078). The time used is local time. The date is incorrect in one of the folders; the correct date is in the table within this document.

File	Island	Depth sampled
RAN2_120M.zip	Rangiroa	120 m
RAN2_60M.zip	Rangiroa	60 m
TUARAR2-60M.zip	Raroia	60 m
TUARAR2-20M.zip	Raroia	20 m
TUARAR2-120M.zip	Raroia	120 m
TIK1_120m.zip	Tikehau	120 m
TIK1_60m.zip	Tikehau	60 m
MO2_20m.zip	Moorea	20 m
TUARAR2-20M.zip	Raroia	20 m
MO2_60m.zip	Moorea	60 m
TUARAR2-120M.zip	Raroia	120 m
MO2_120m.zip	Moorea	120 m
BORA2_20m.zip	Bora Bora	20 m
RAN2_20M.zip	Rangiroa	20 m
BORA2_120m.zip	Bora Bora	120 m
BORA2_60m.zip	Bora Bora	60 m
MANGAREVA_20M.zip	Teauaone Islet near Mangareva	20 m
MANGAREVA_60M.zip	Teauaone Islet near Mangareva	60 m

	Date			GPS coordinates		Archipelago	Type of island
	Day	Month	Year	Lat	Long		
Bora Bora	21 st – 24 th	09	2018	S 16.43658°	W 151.75362°	Society	High Island
Mangareva	16 th – 19 th	04	2019	S 23.00102°	W 134.96052°	Gambier	High Island
Moorea	4 th – 7 th	09	2018	S 17.47730°	W 149.85138°	Society	High Island
Rangiroa	30 th – 2 nd	10-11	2018	S 14.98030°	W 147.61315°	Tuamotu	Atoll
Raroia	2 nd – 5 th	03	2018	S 16.02310°	W 142.46327°	Tuamotu	Atoll
Tikehau	15 th – 18 th	10	2018	S 15.01733°	W 148.28675°	Tuamotu	Atoll