

Anthropophonie de JET SKI

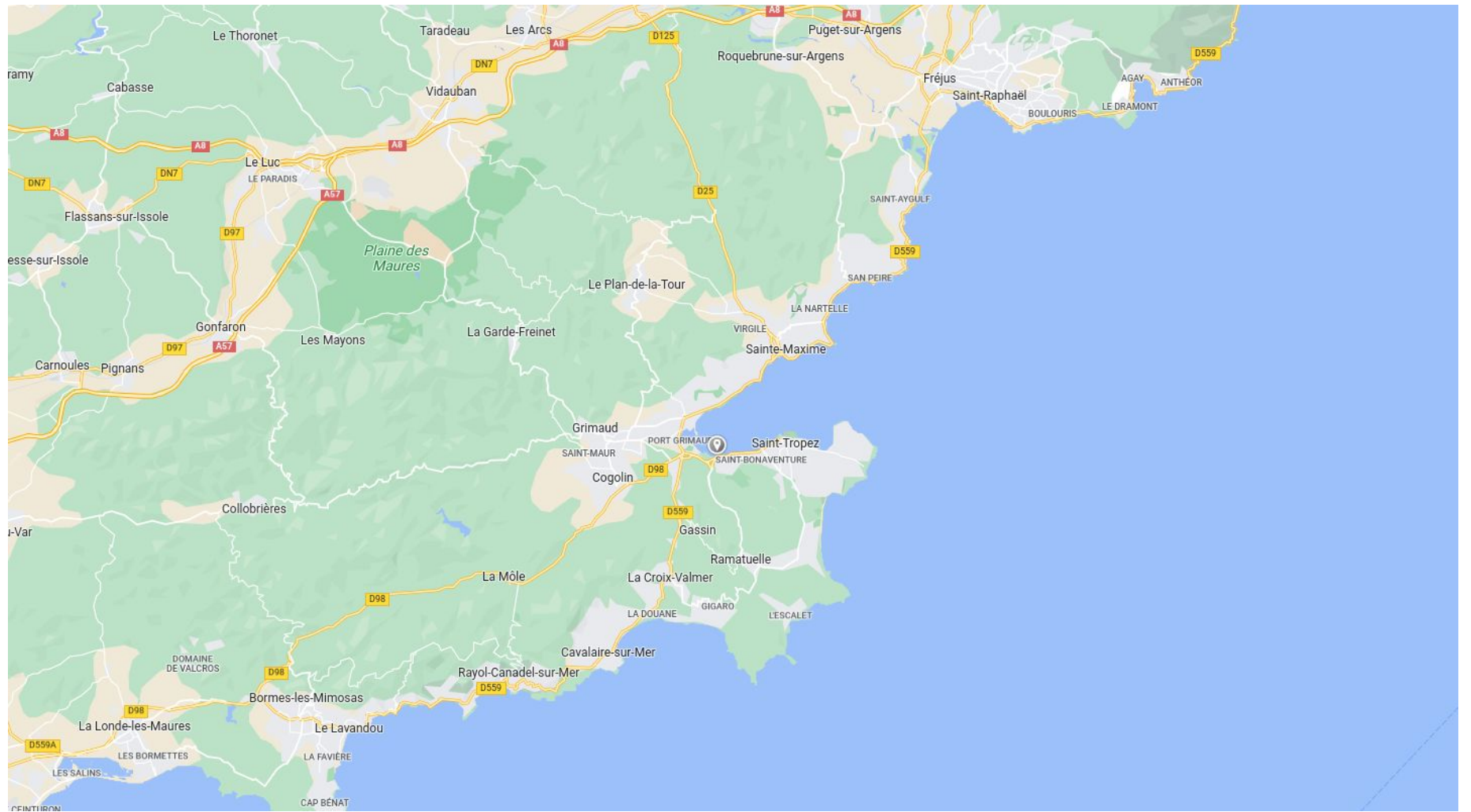
Courses de COGOLIN 21 et 22 mai 2022
Résultats préliminaires

Maxence Ferrari, Hervé Glotin

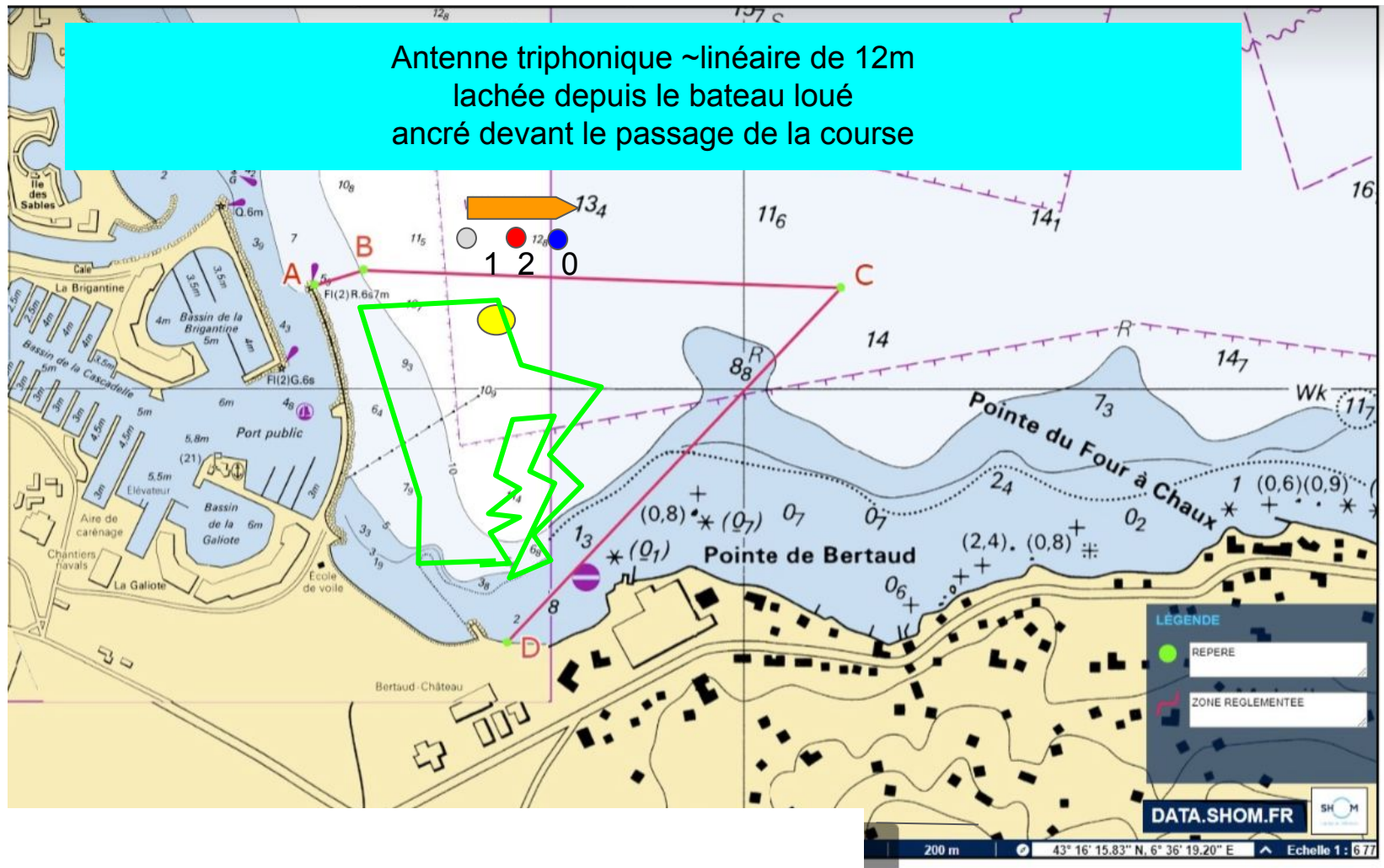
Protocole avec Pascale Giraudet, Nathalie Prevot et Jean-Marc Prevot, Jean-Guillem Destremau

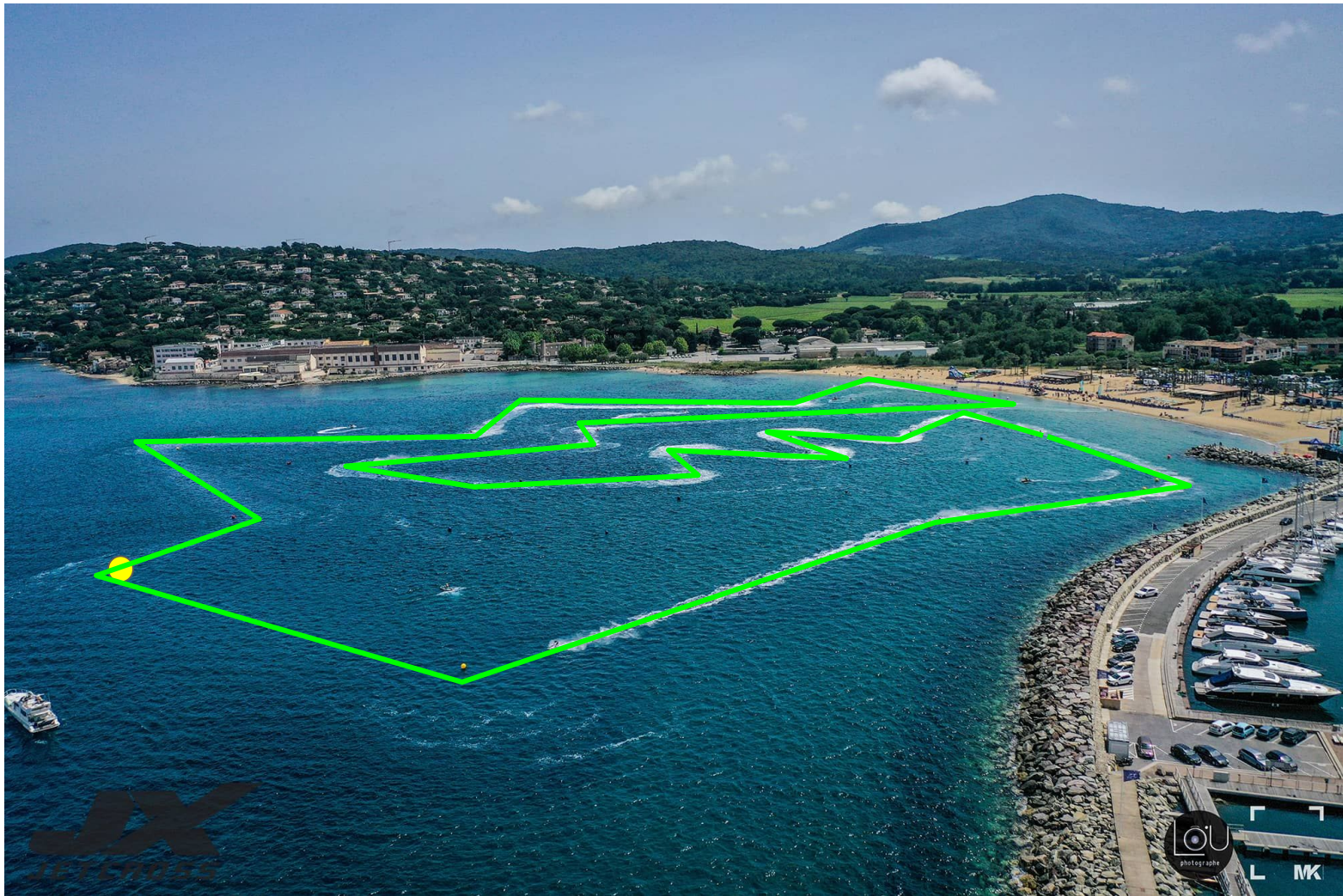
DYNI LIS CNRS UTLN, Chaire IA ADSIL





Antenne triphonique ~linéaire de 12m
lâchée depuis le bateau loué
ancré devant le passage de la course





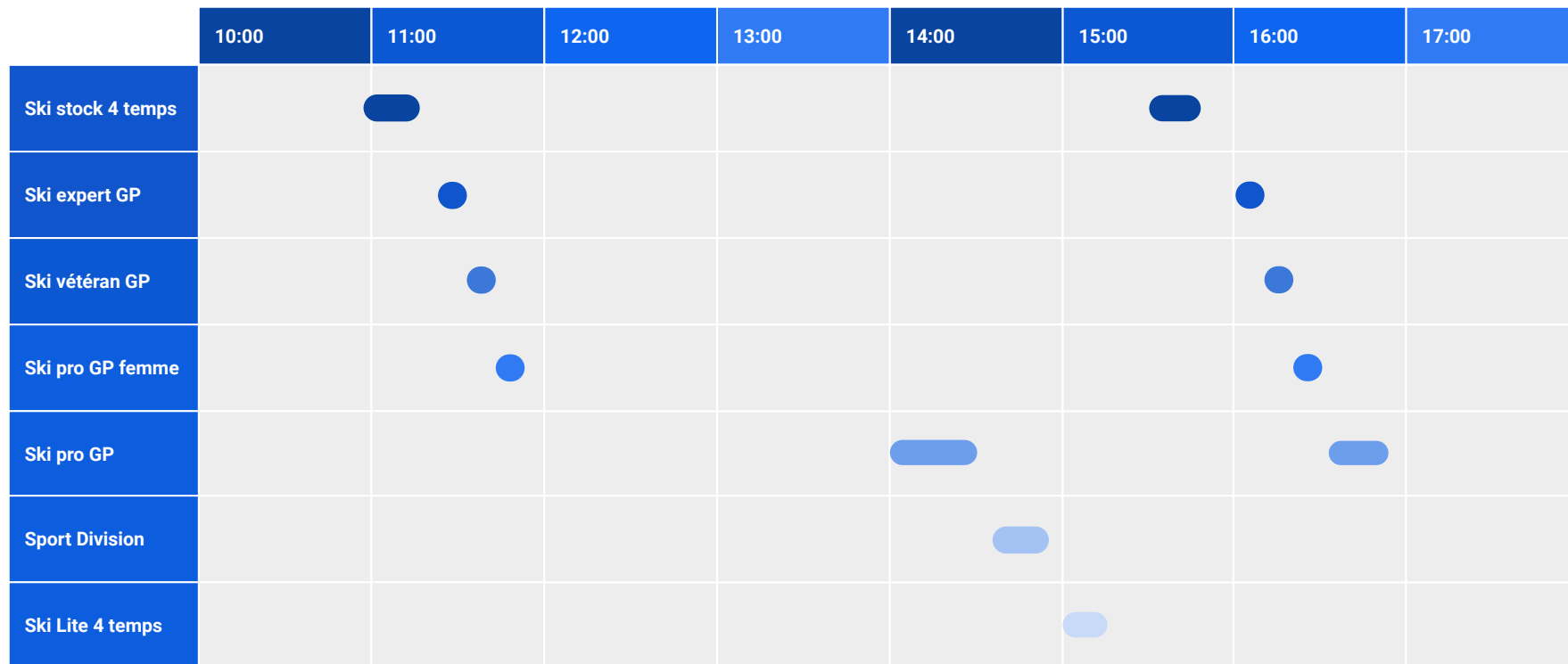
Vue du bateau le 21 juin



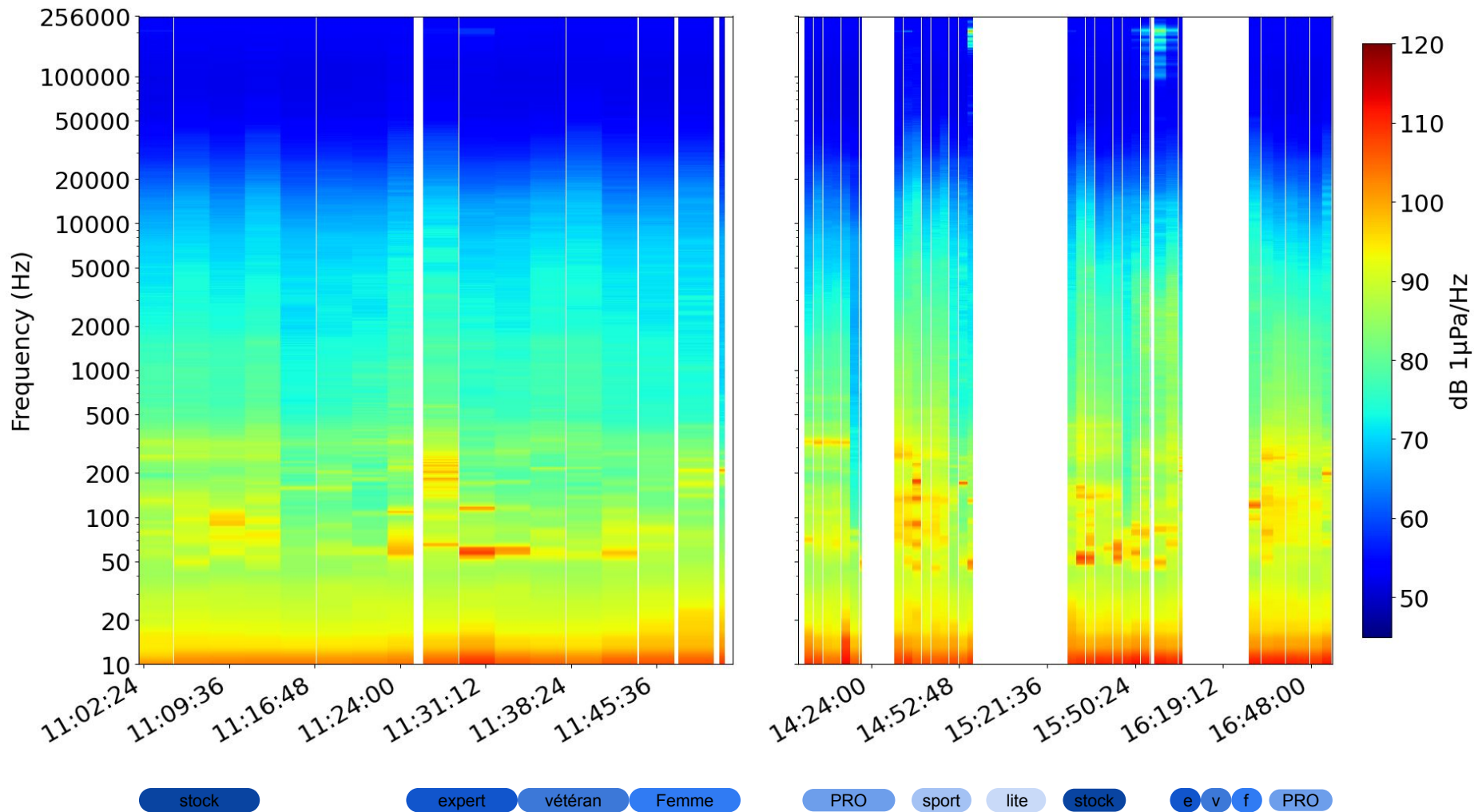


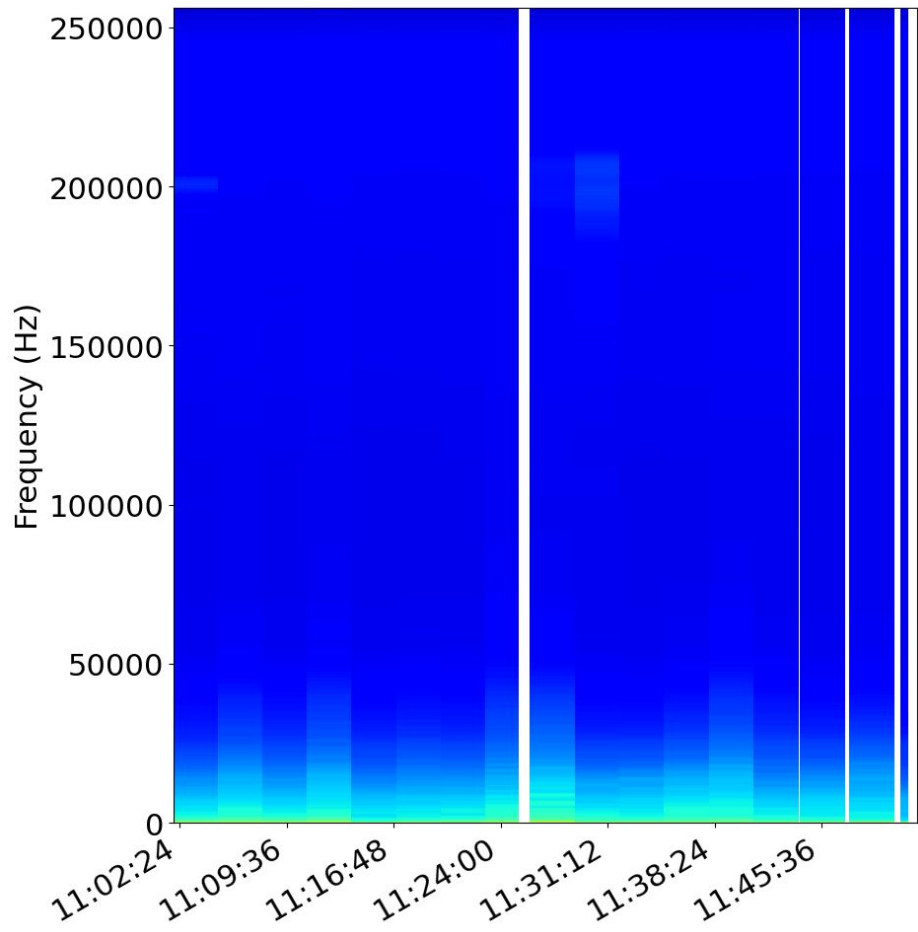
http://sabiiod.lis-lab.fr/pub/jet_ski.mp4

Timeline of the event during sunday



Median DSP



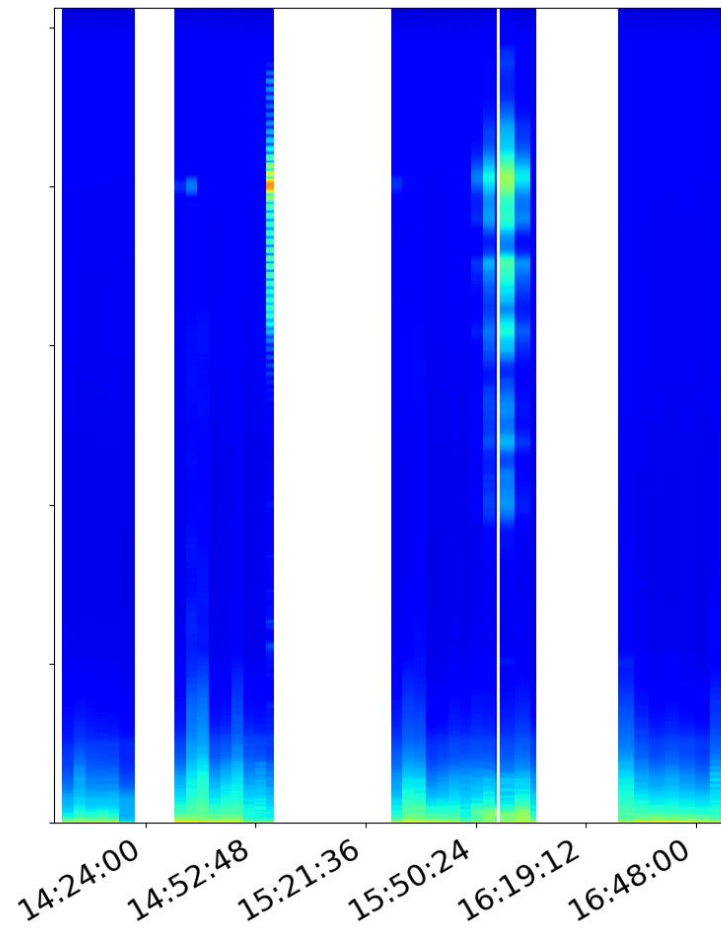


stock

expert

vétéran

Femme



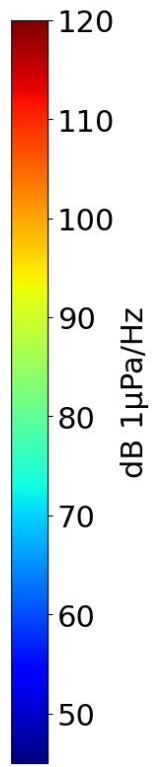
PRO

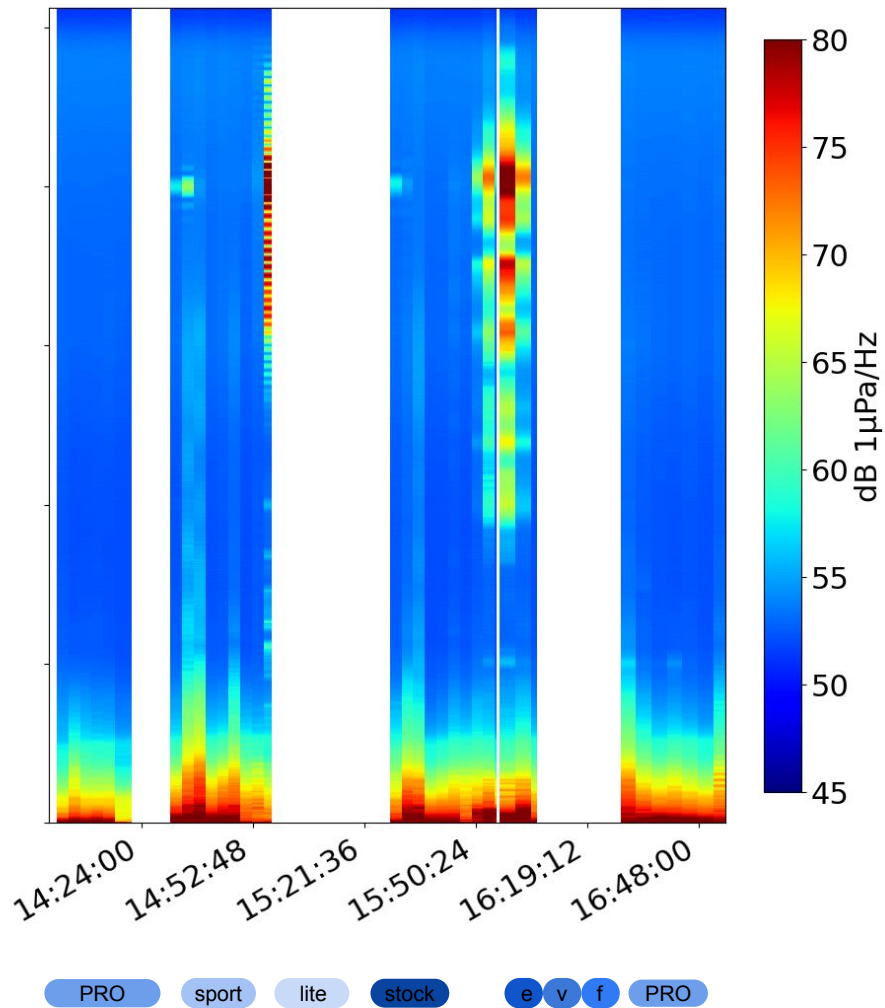
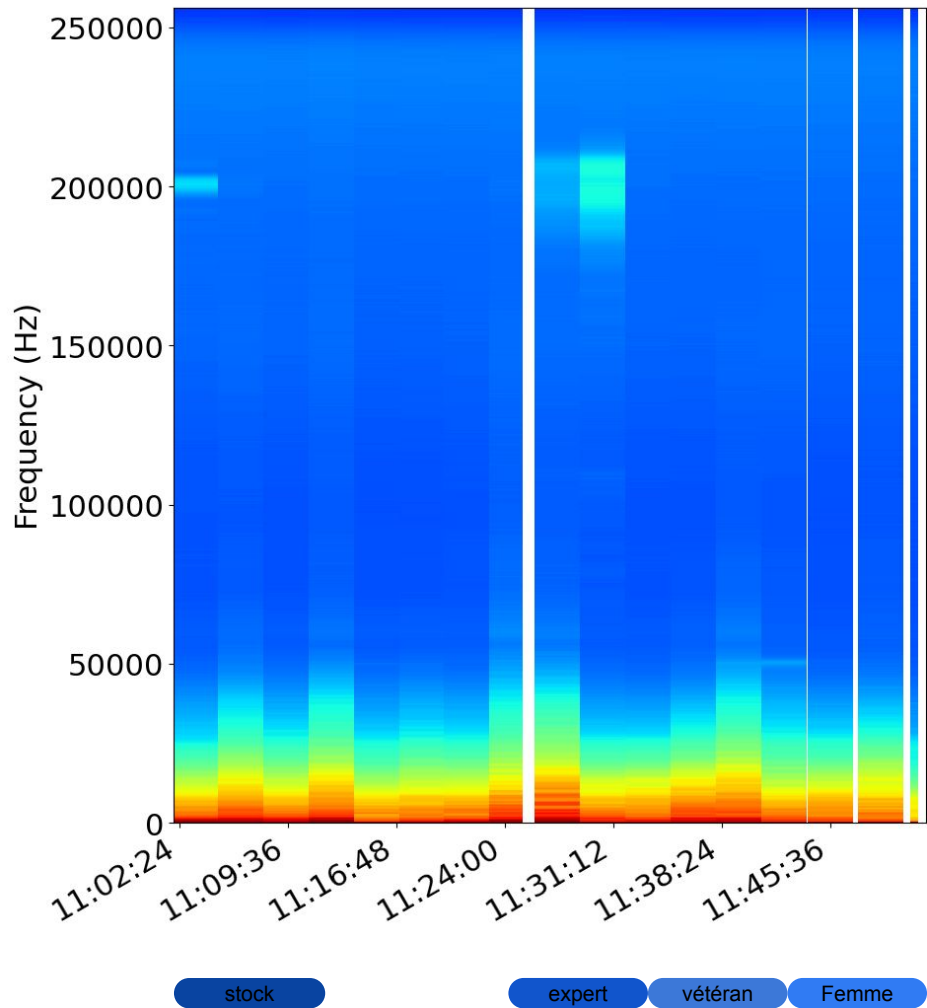
sport

lite

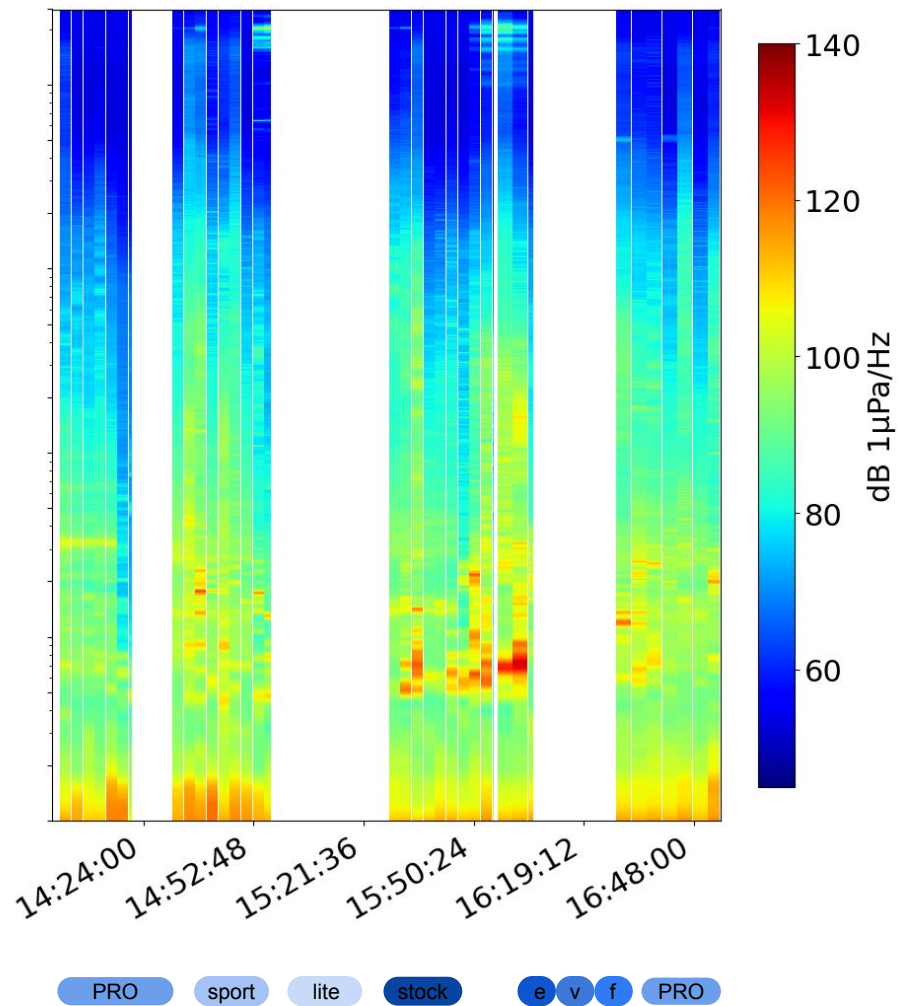
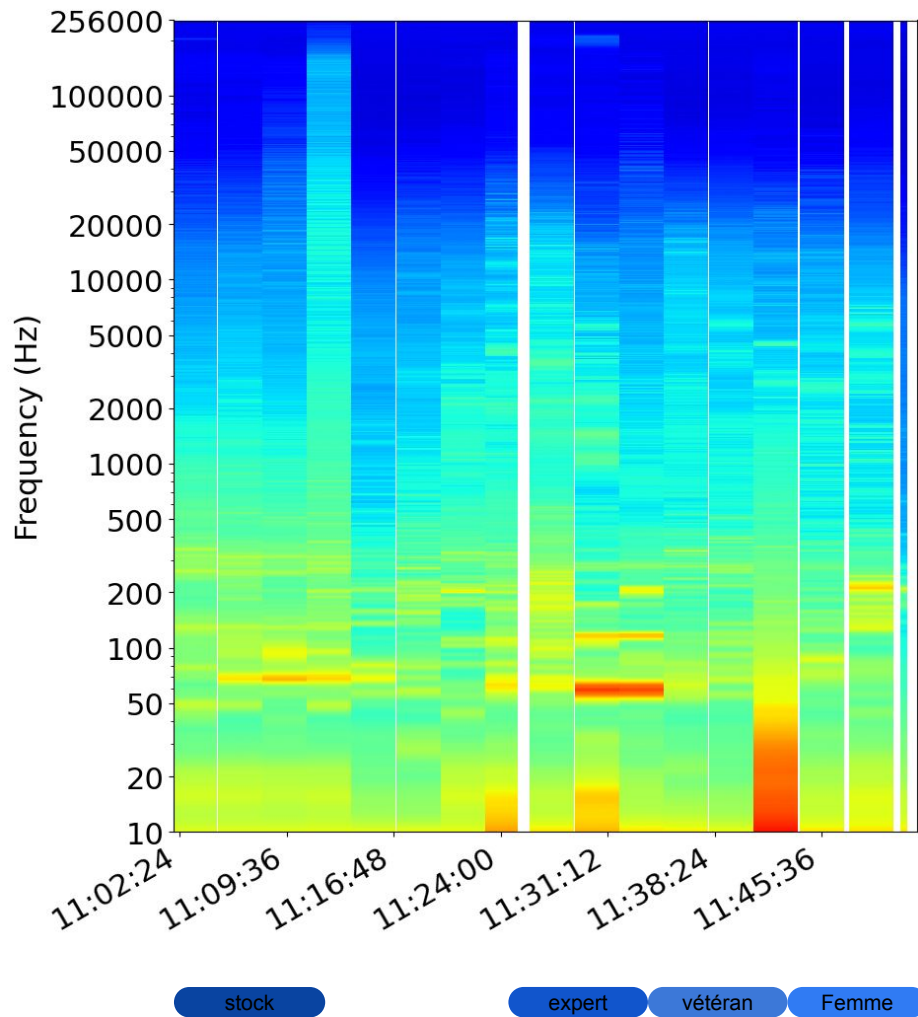
stock

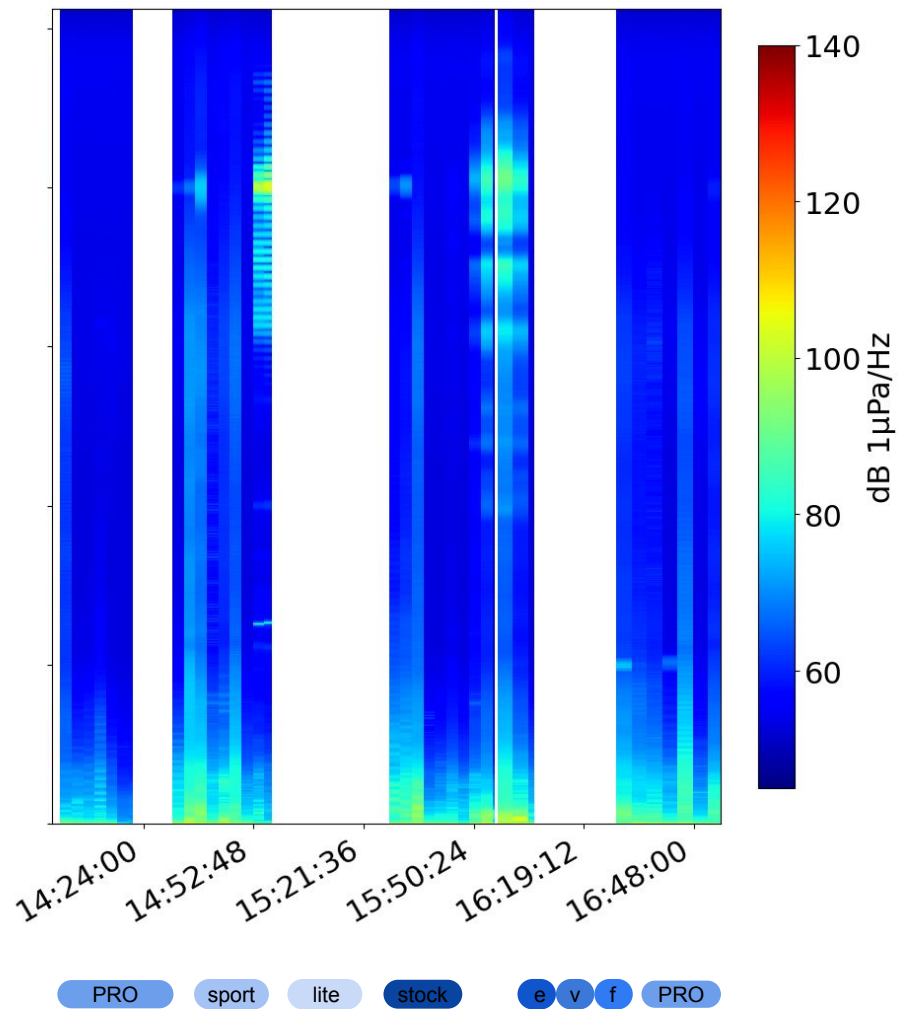
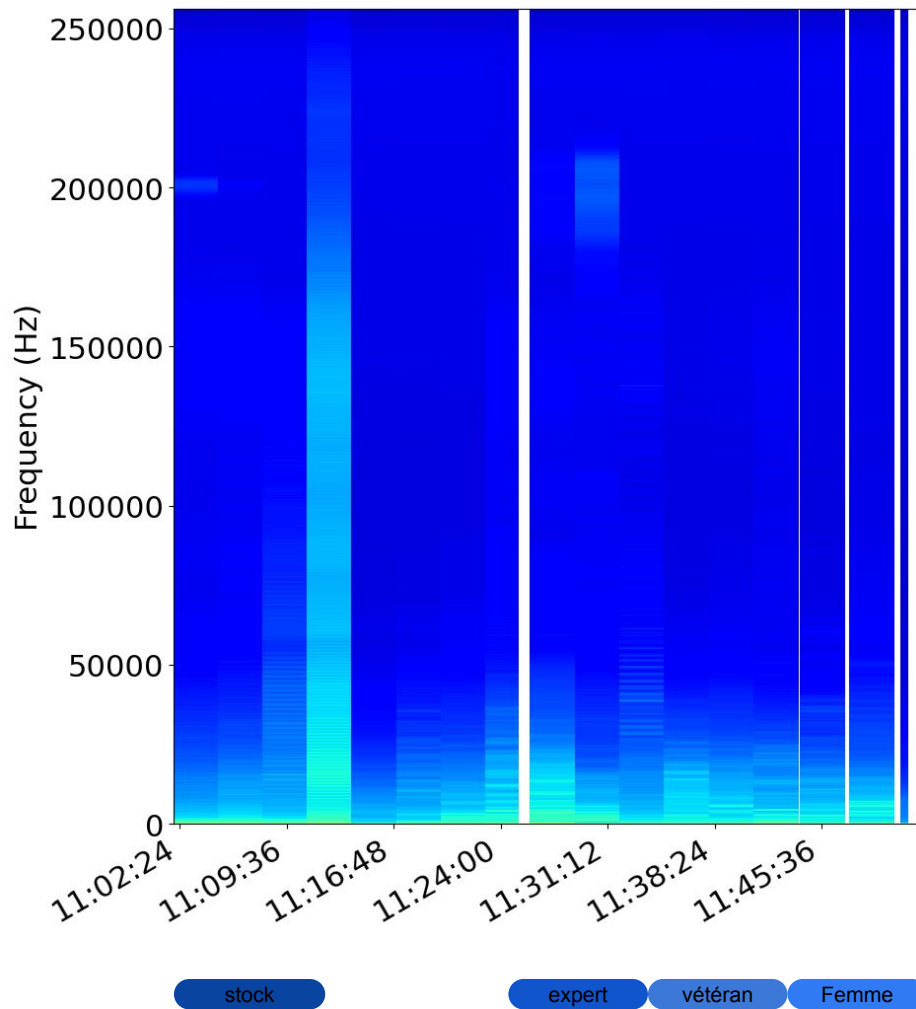
e v f PRO

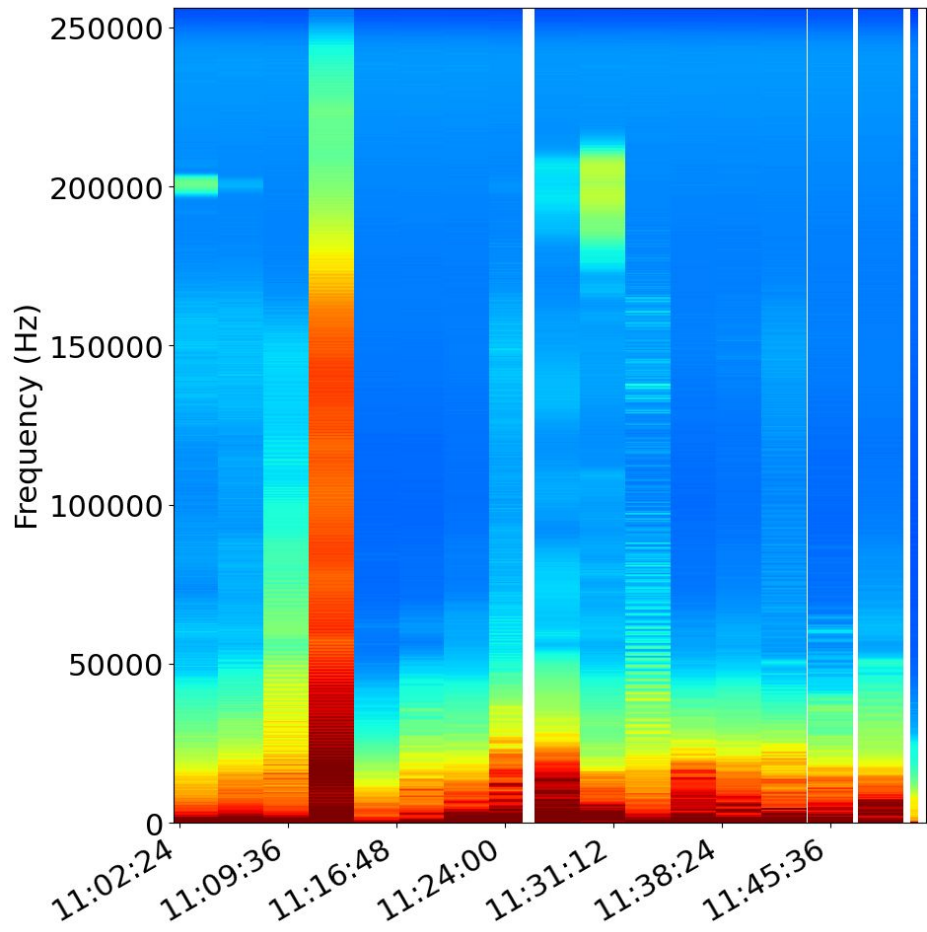




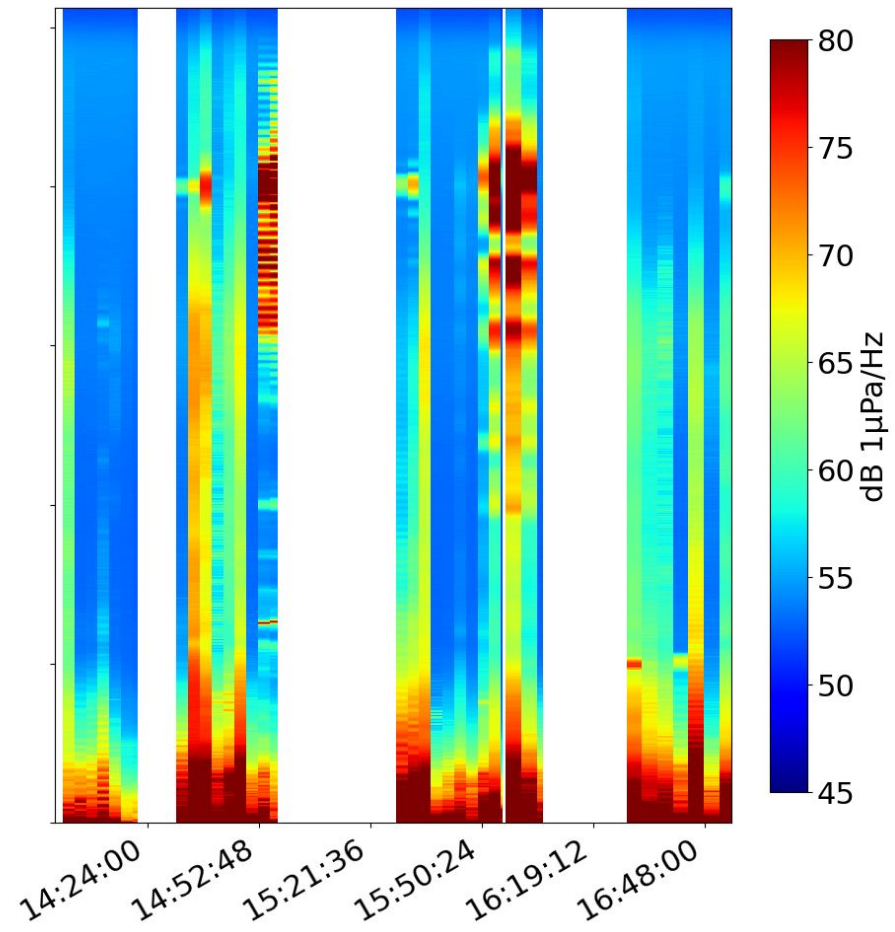
Maximum DSP



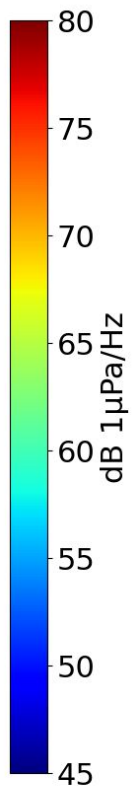




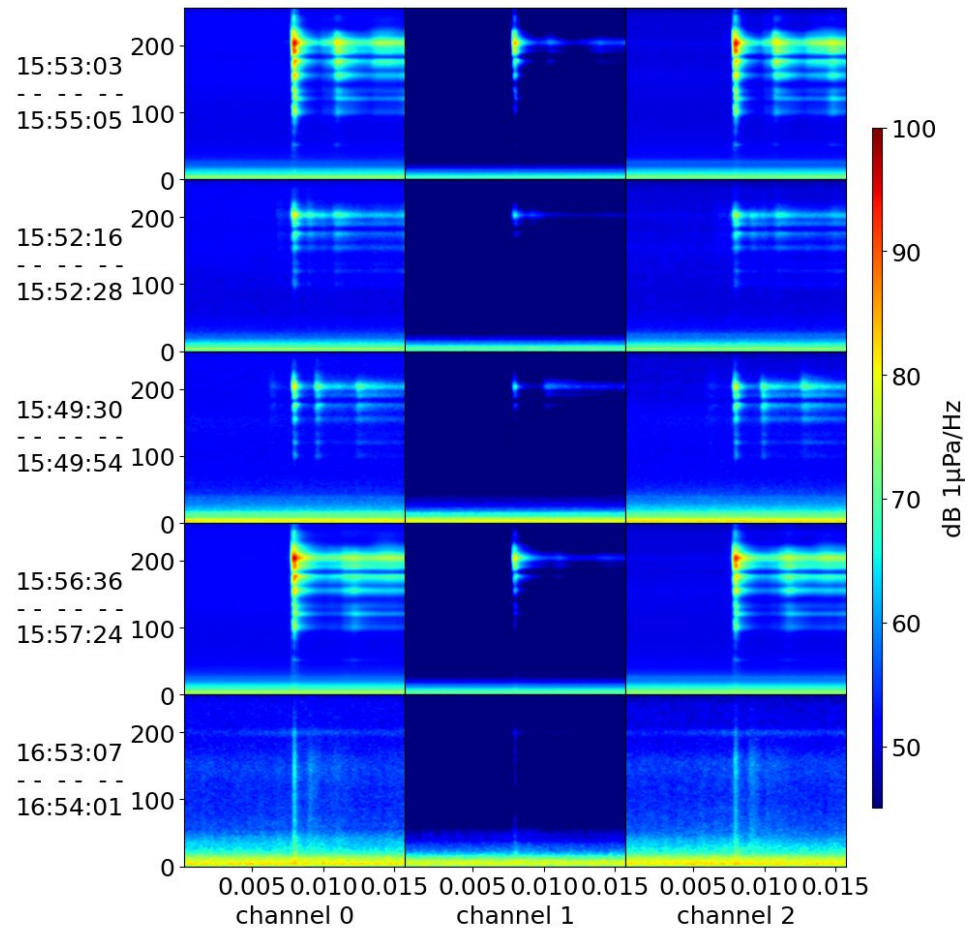
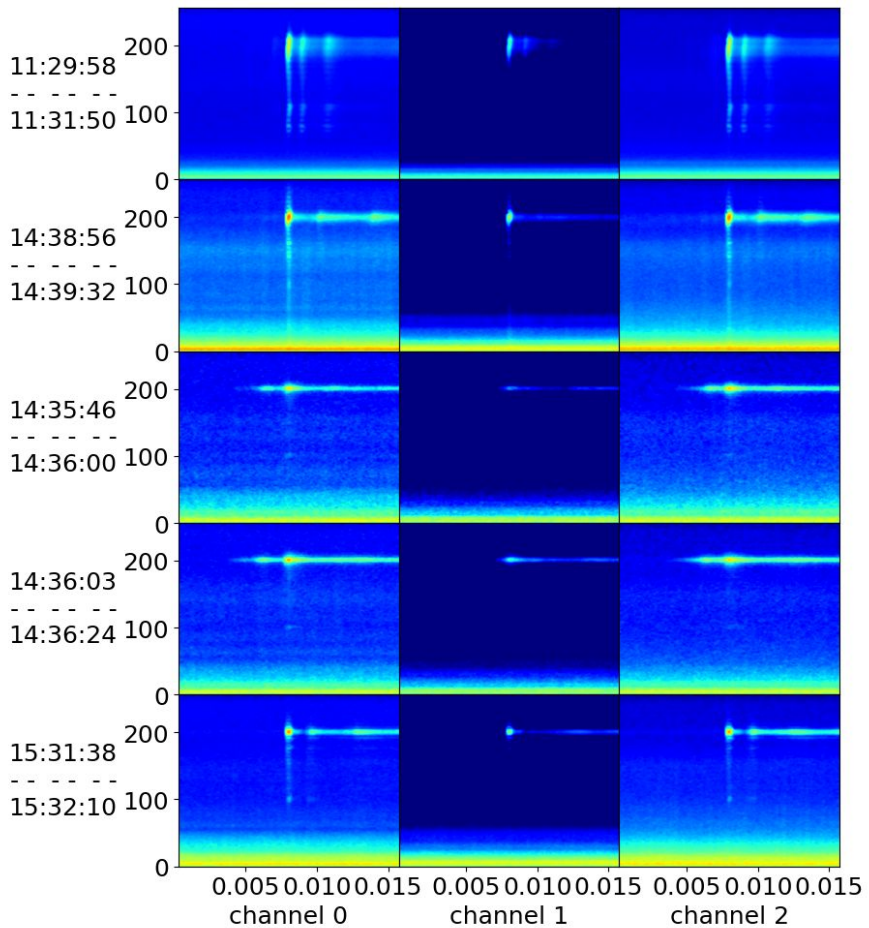
stock expert vétéran Femme

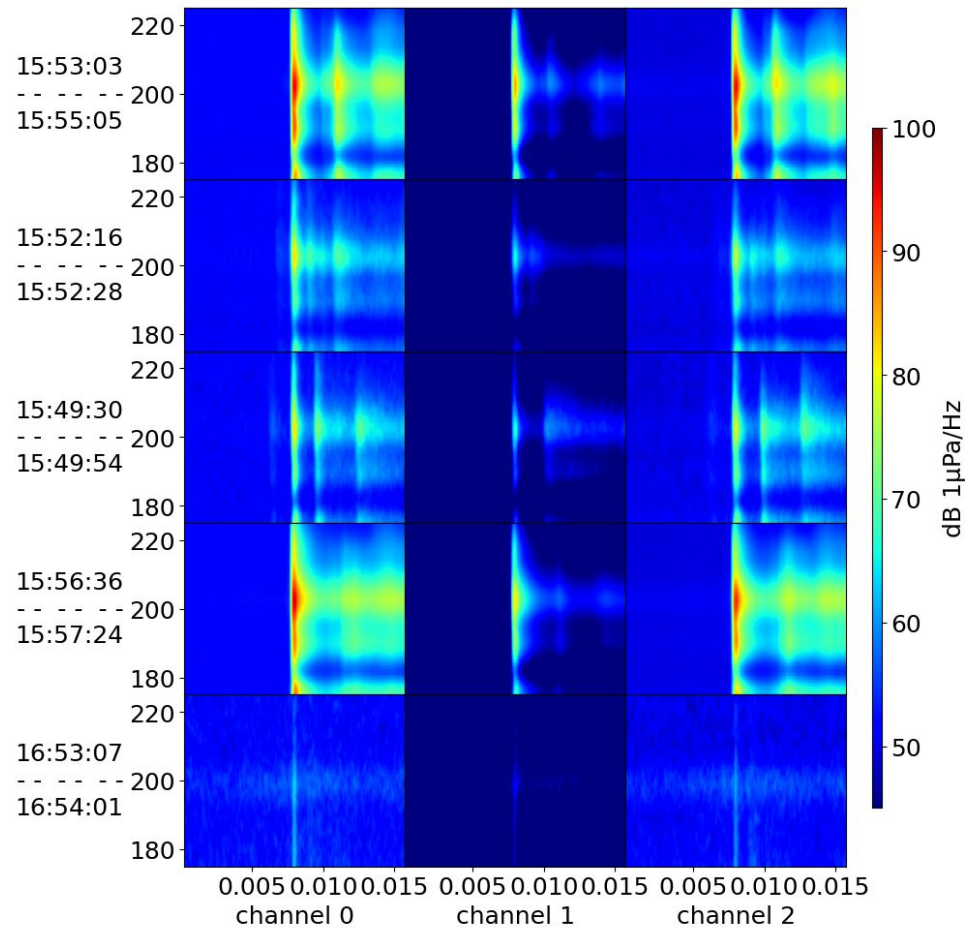
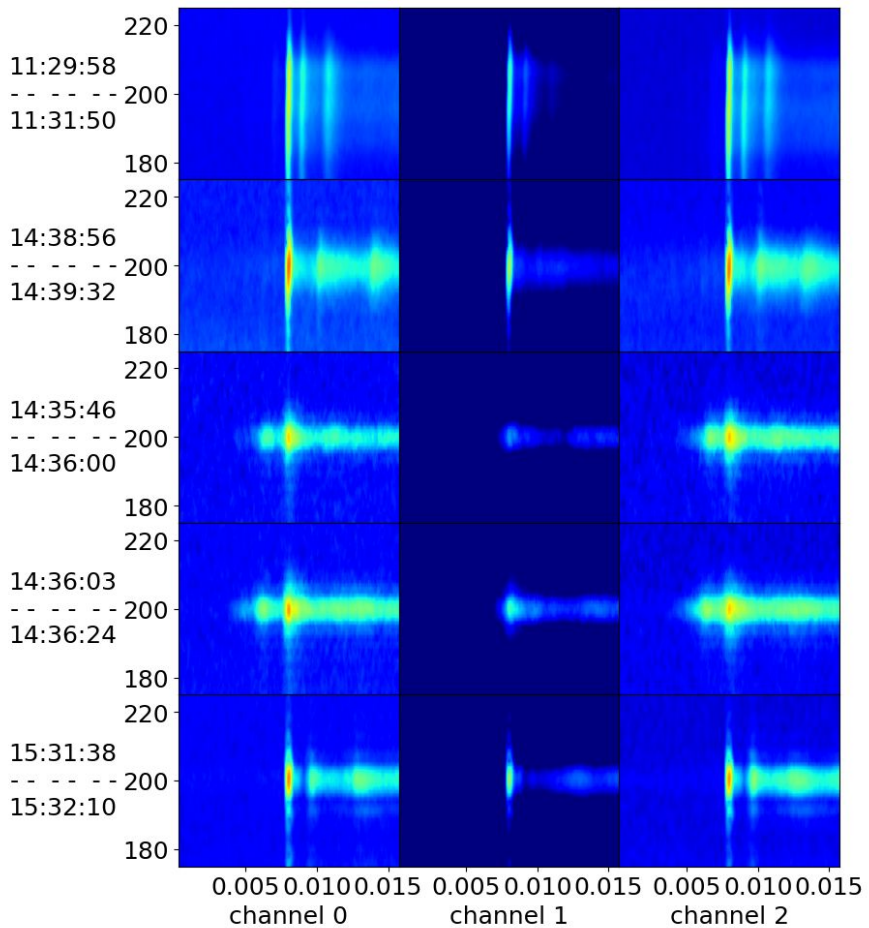


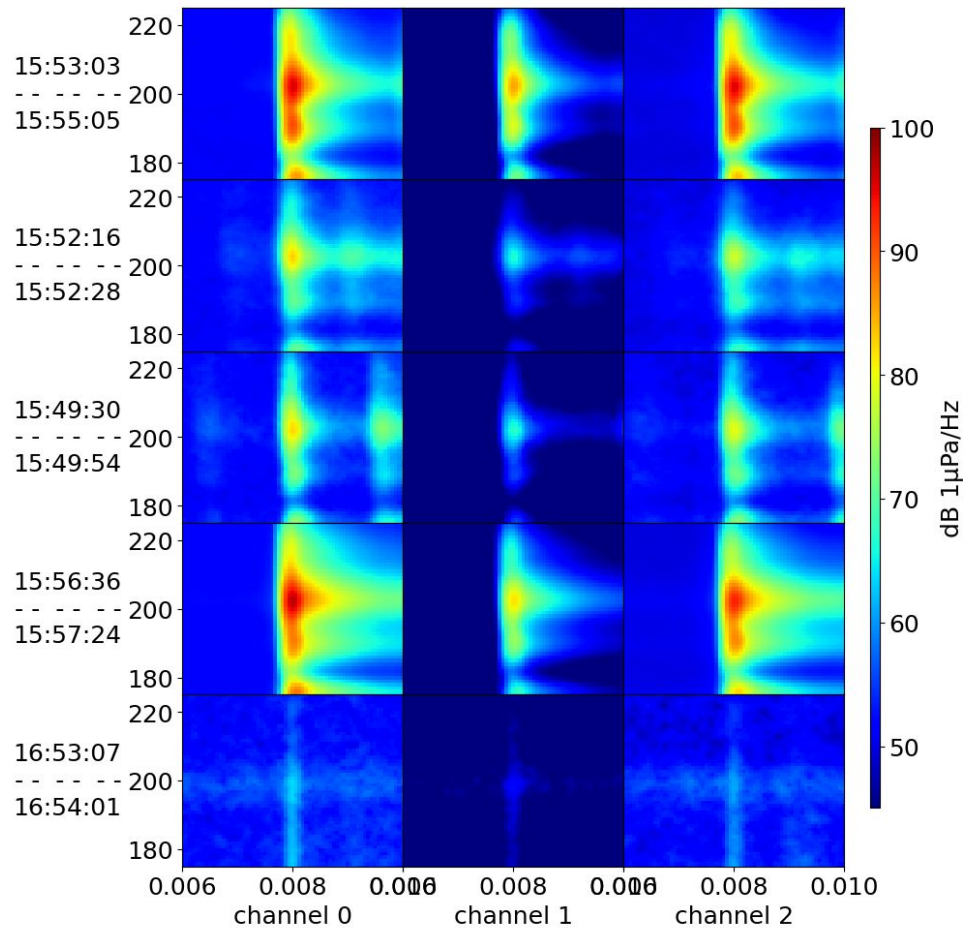
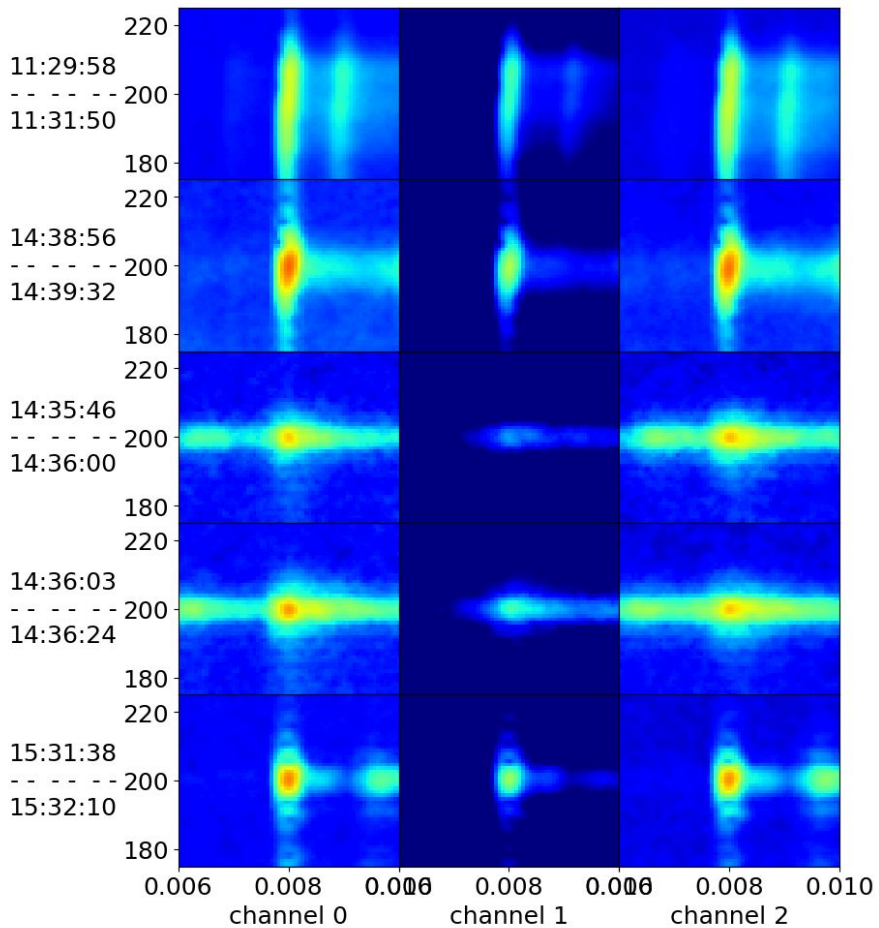
PRO sport lite stock e v f PRO



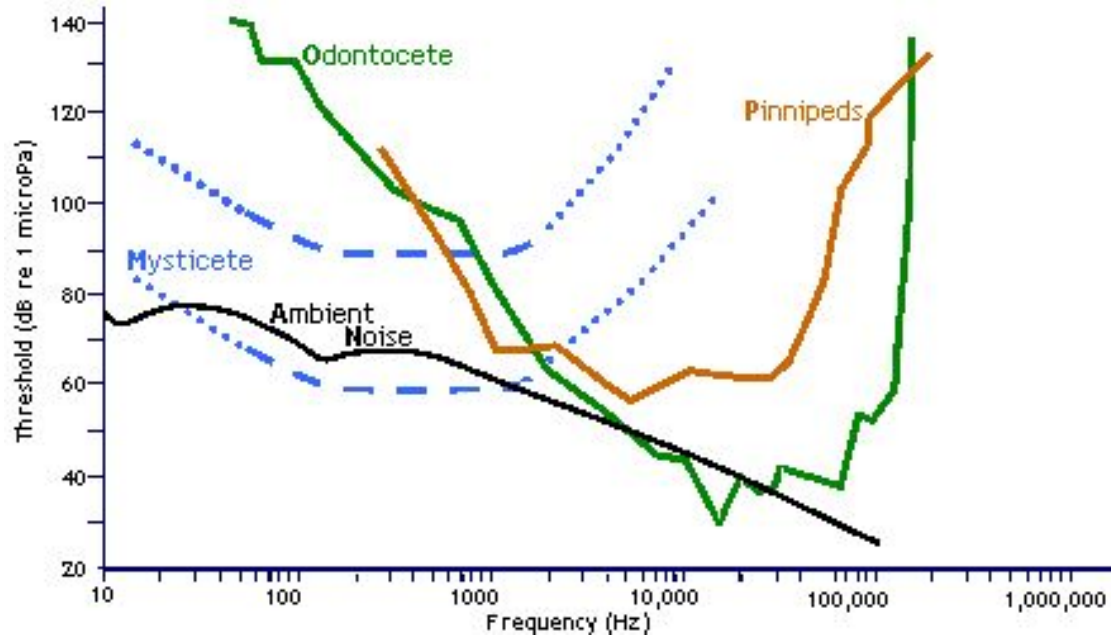
200kHz peaks

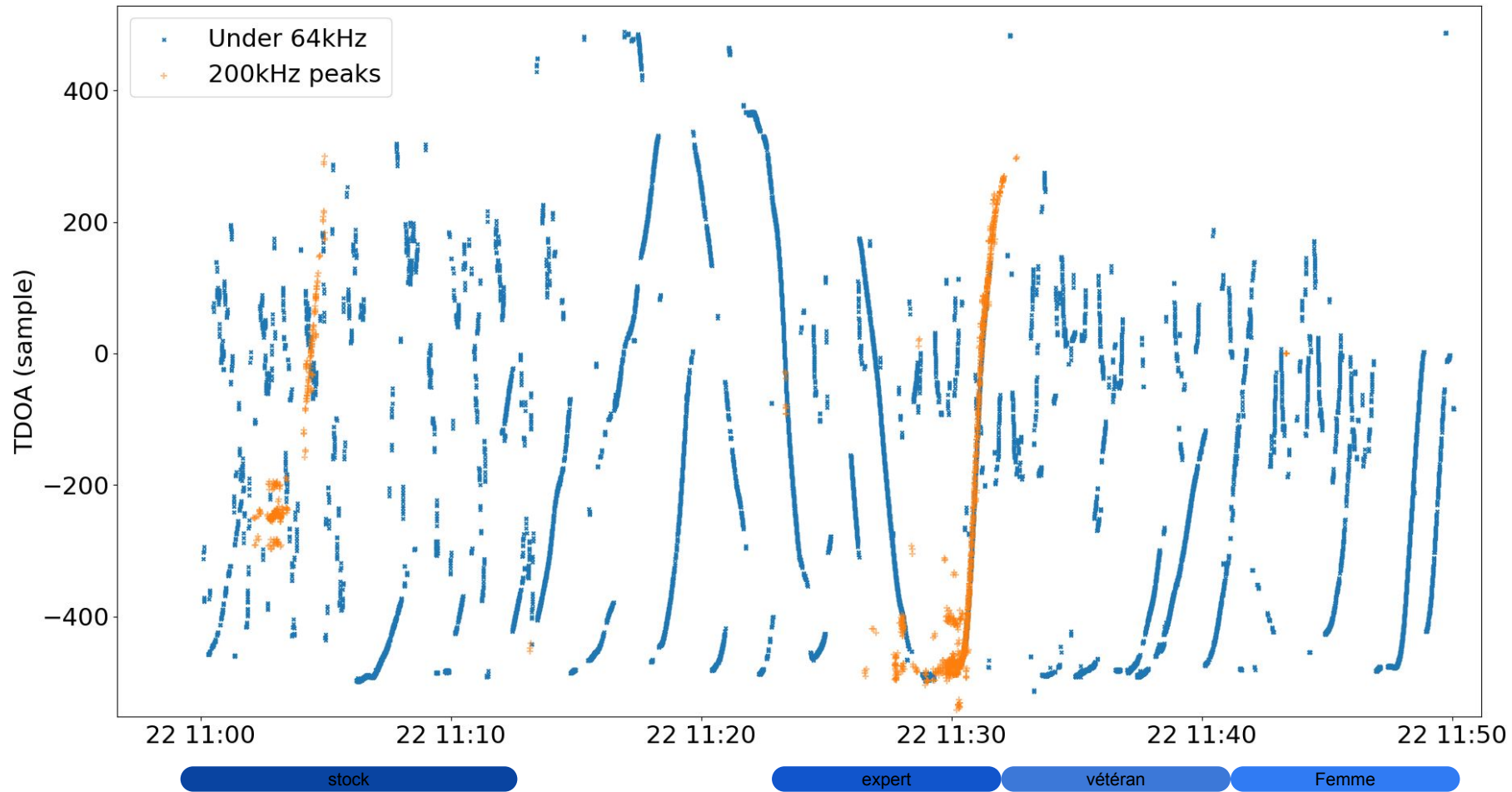


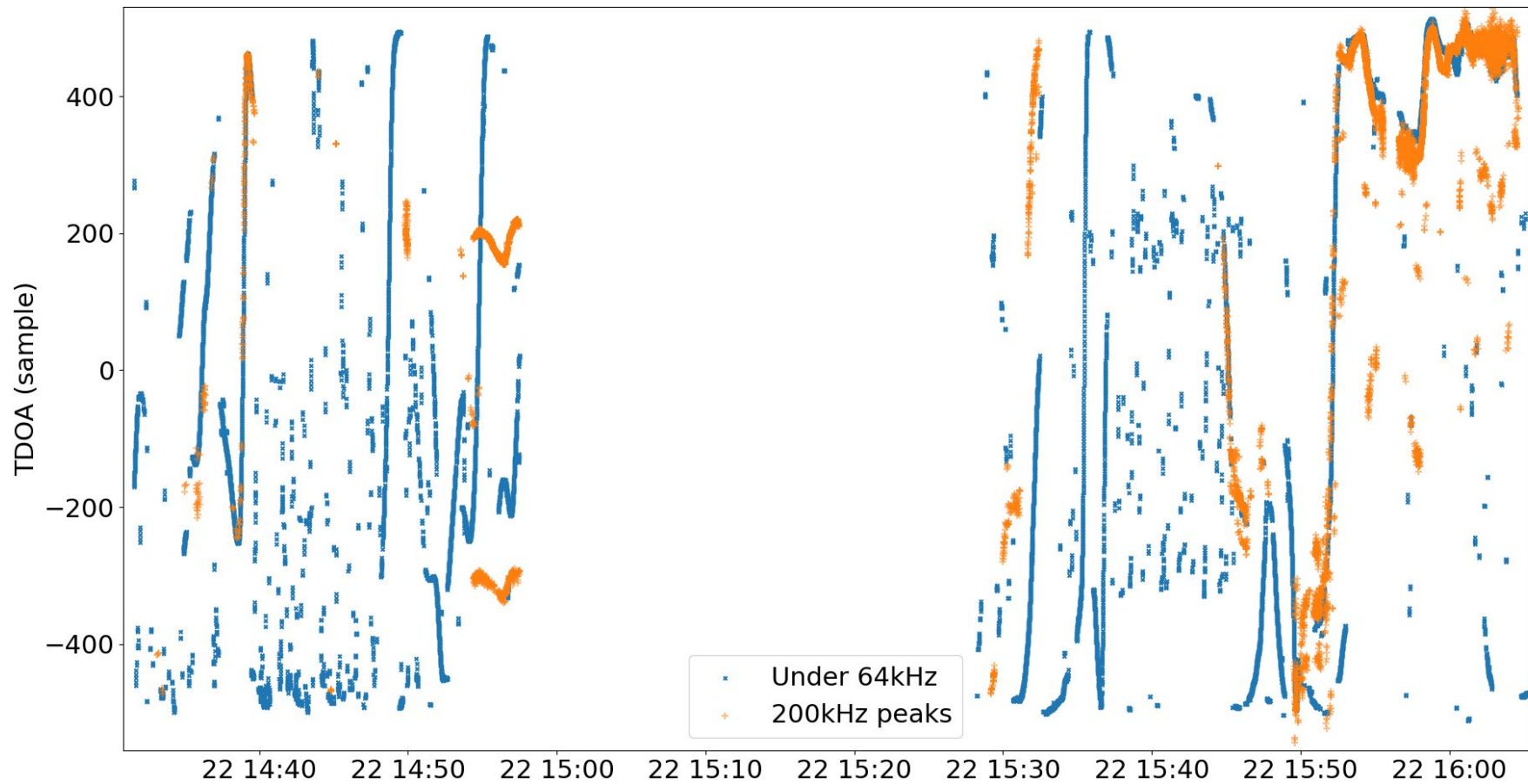




Hearing in cetaceans





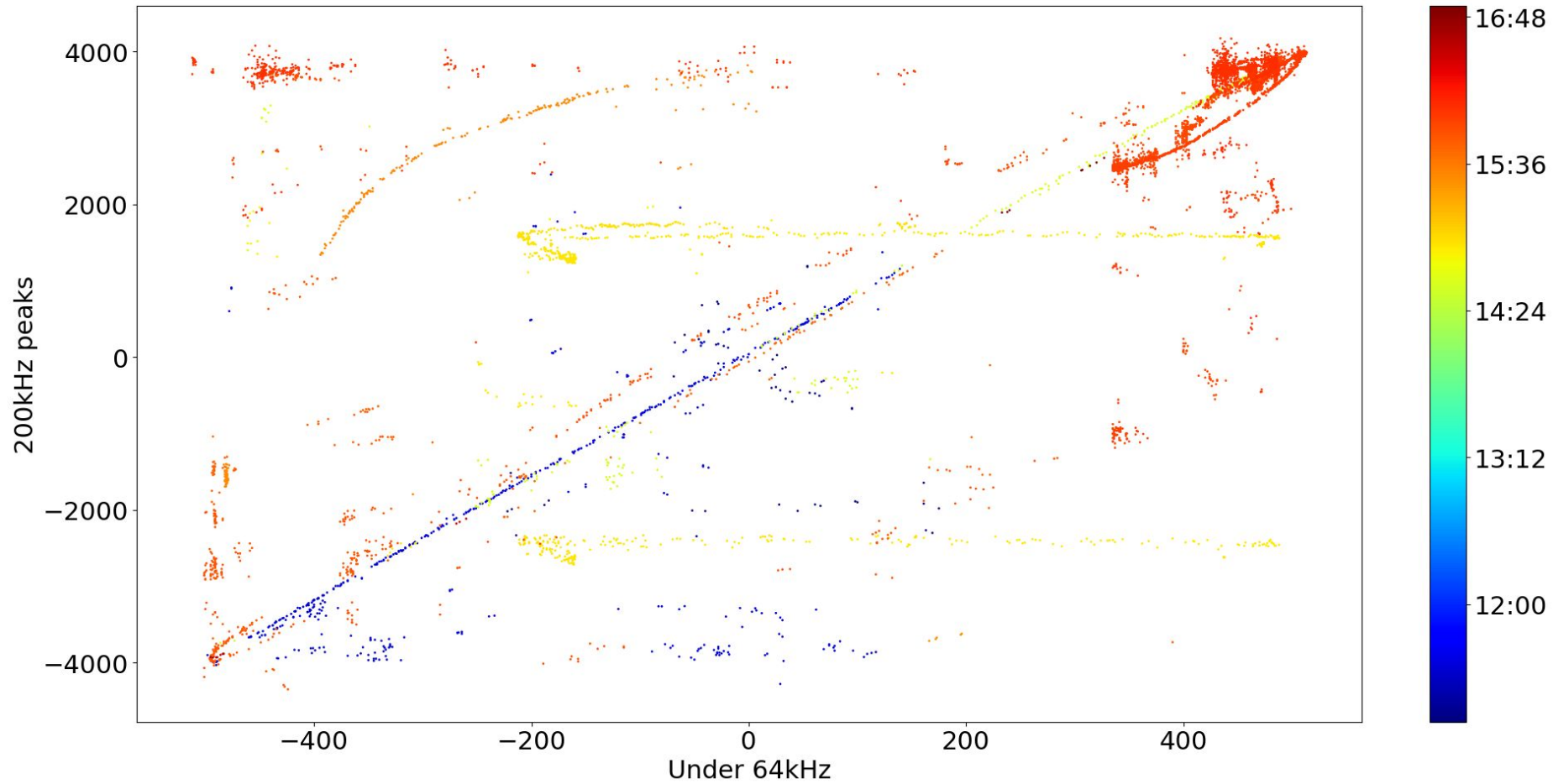


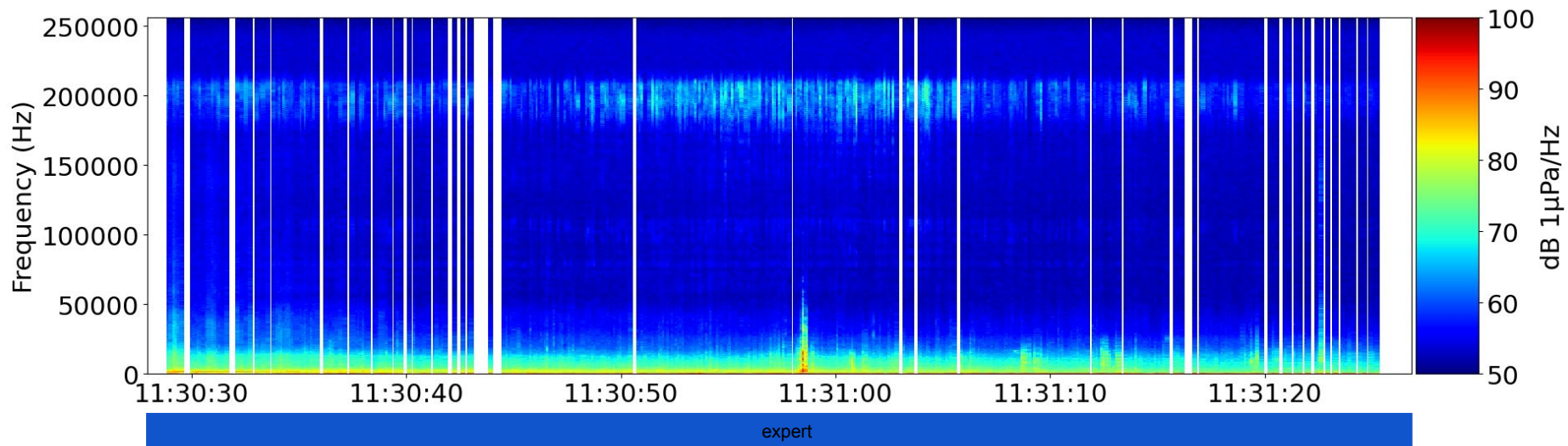
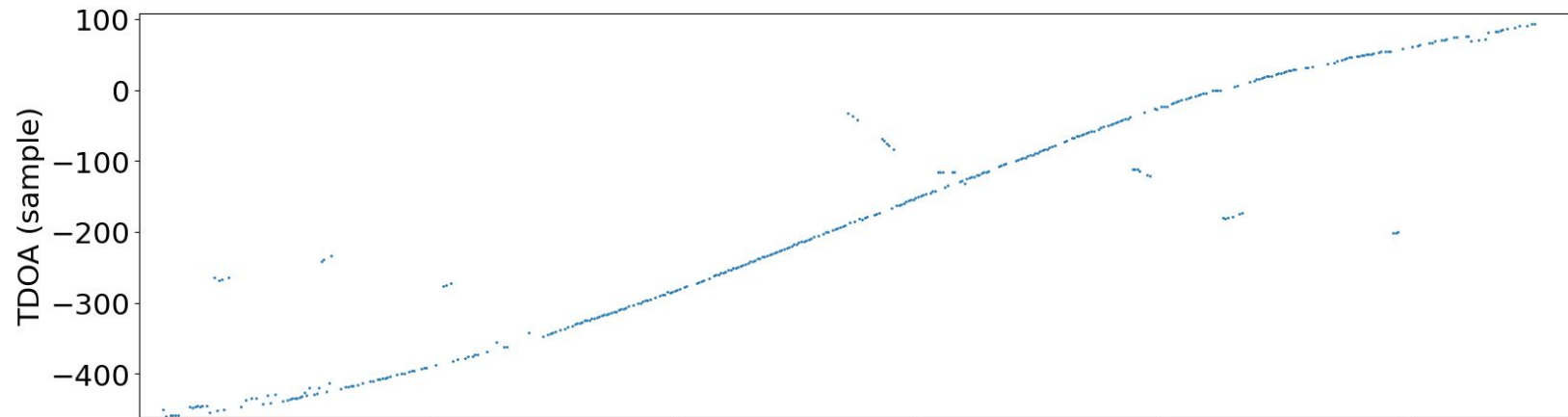
sport

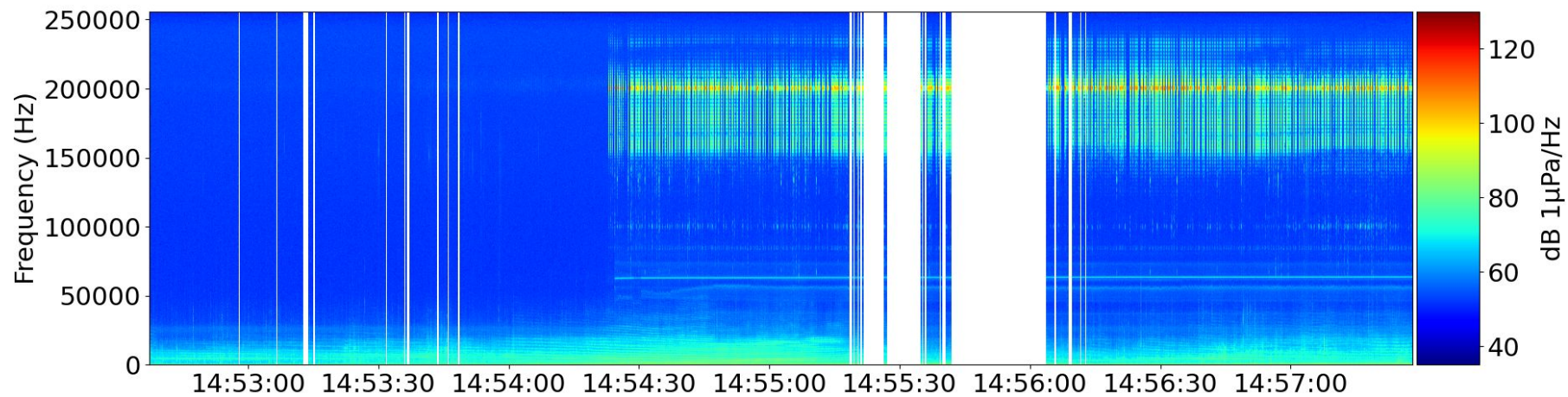
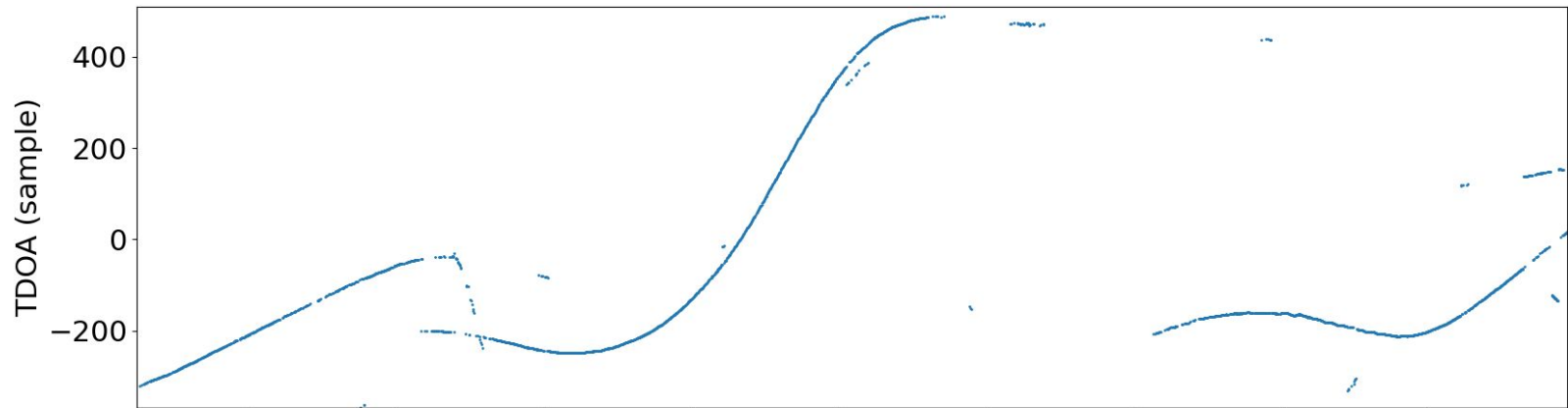
lite

stock

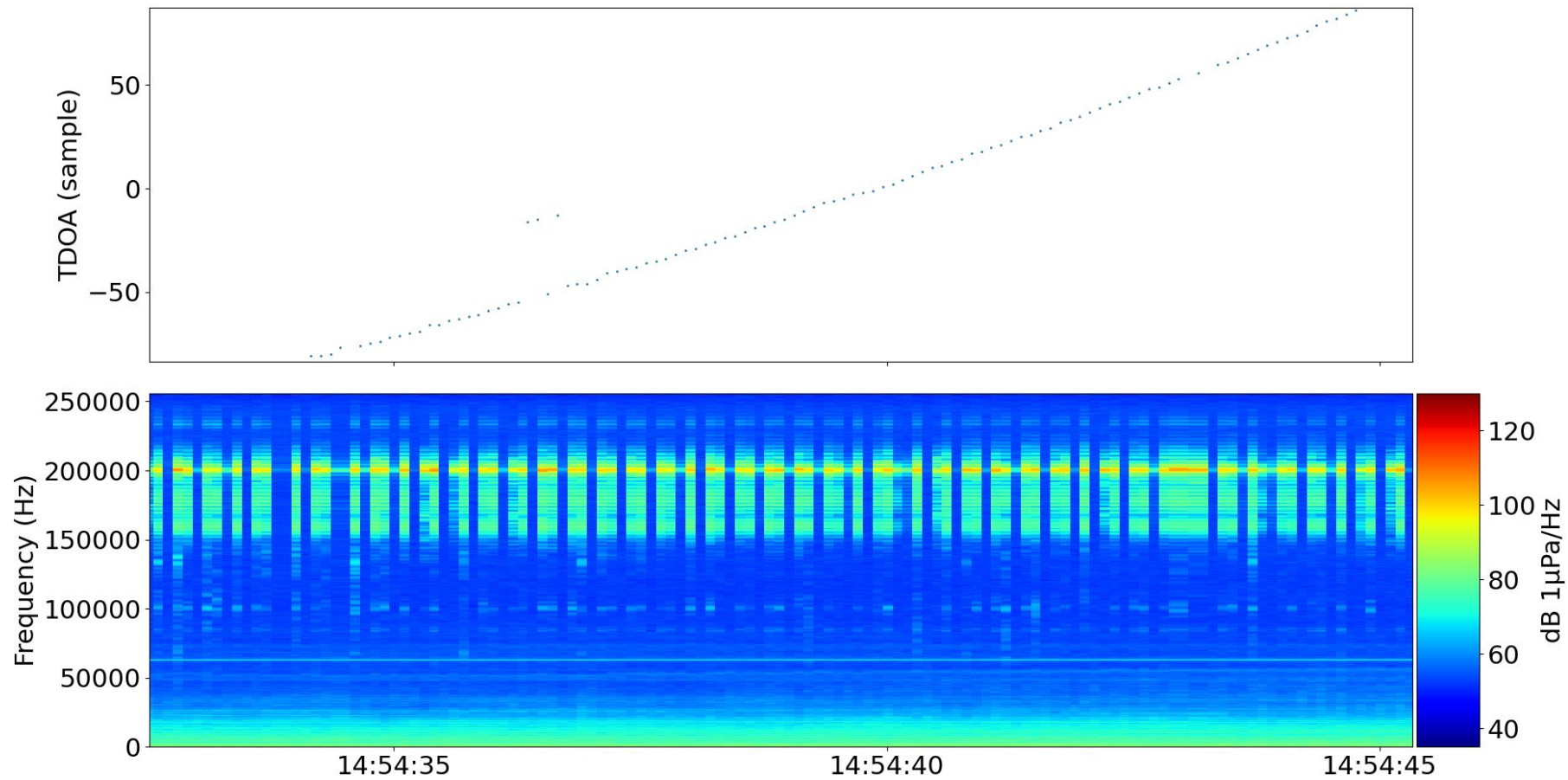
expert

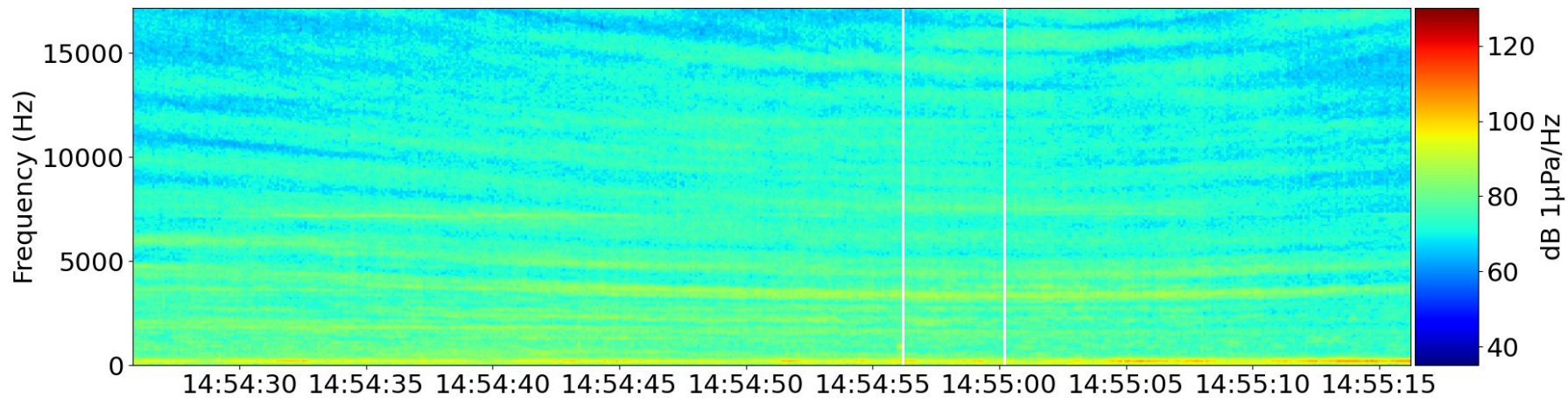
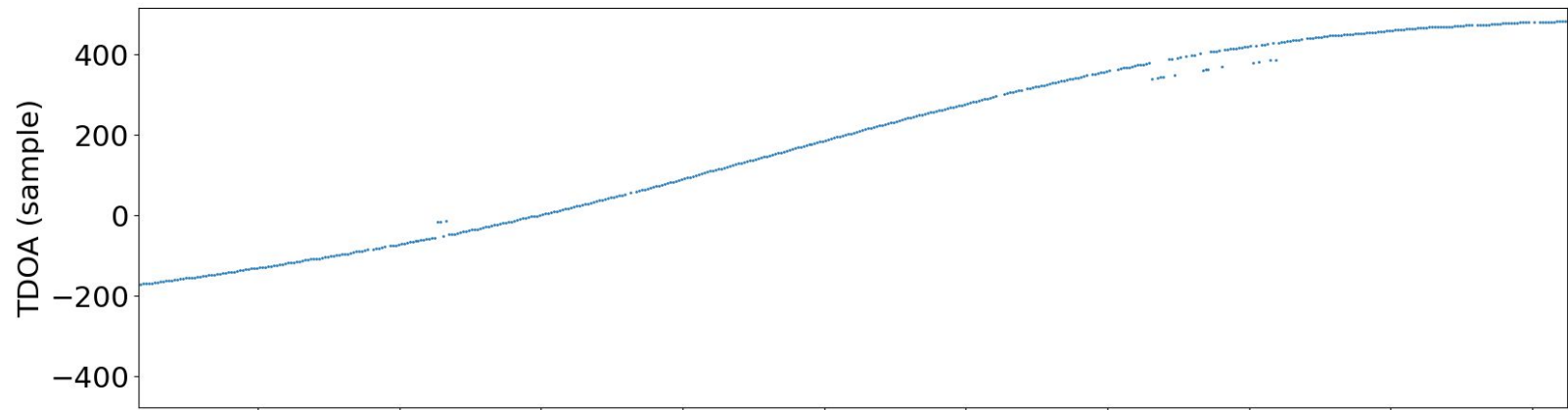


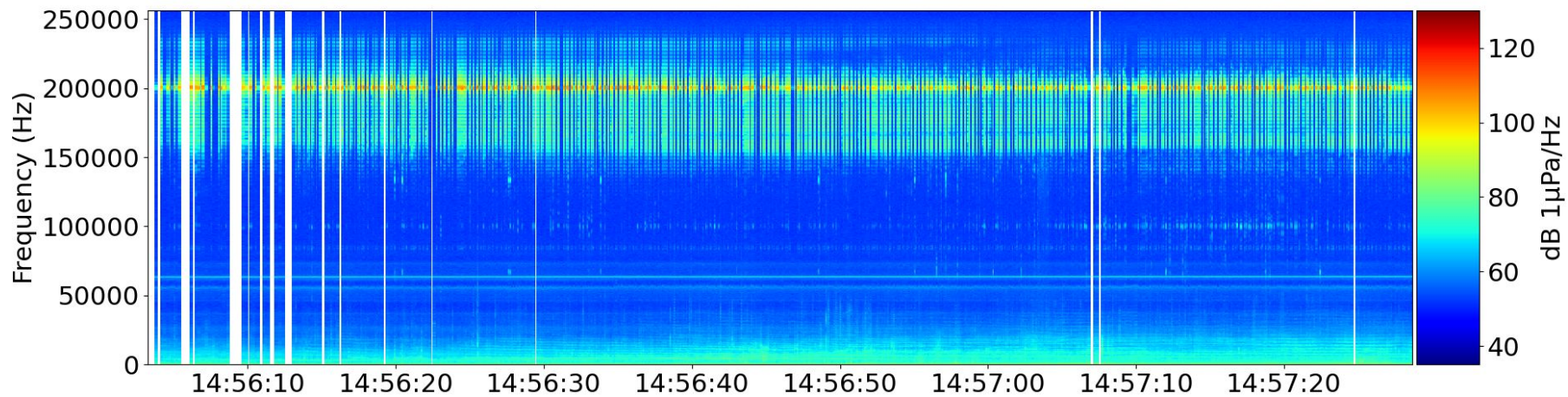
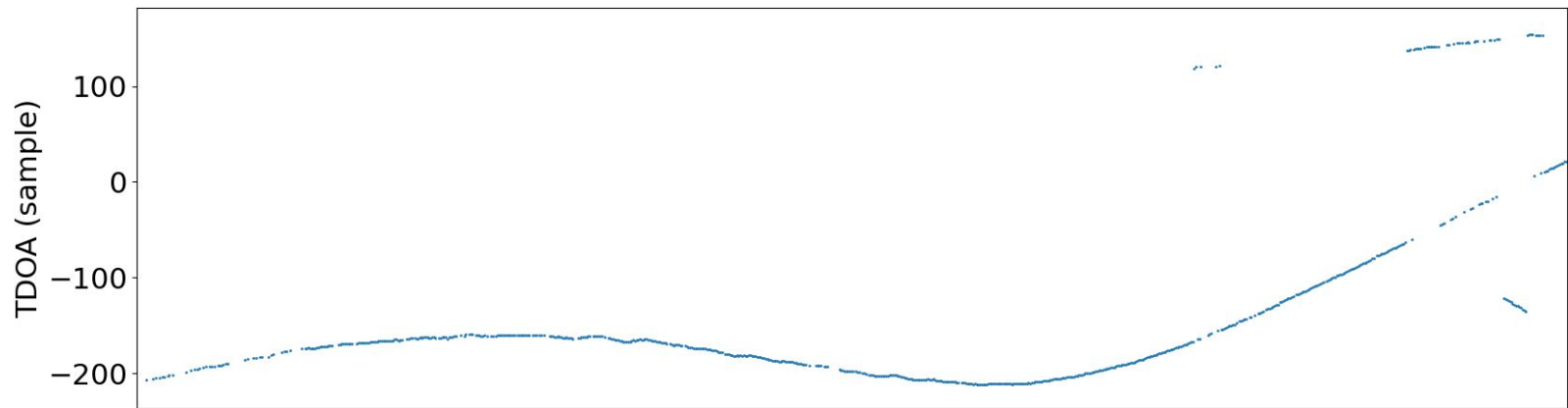


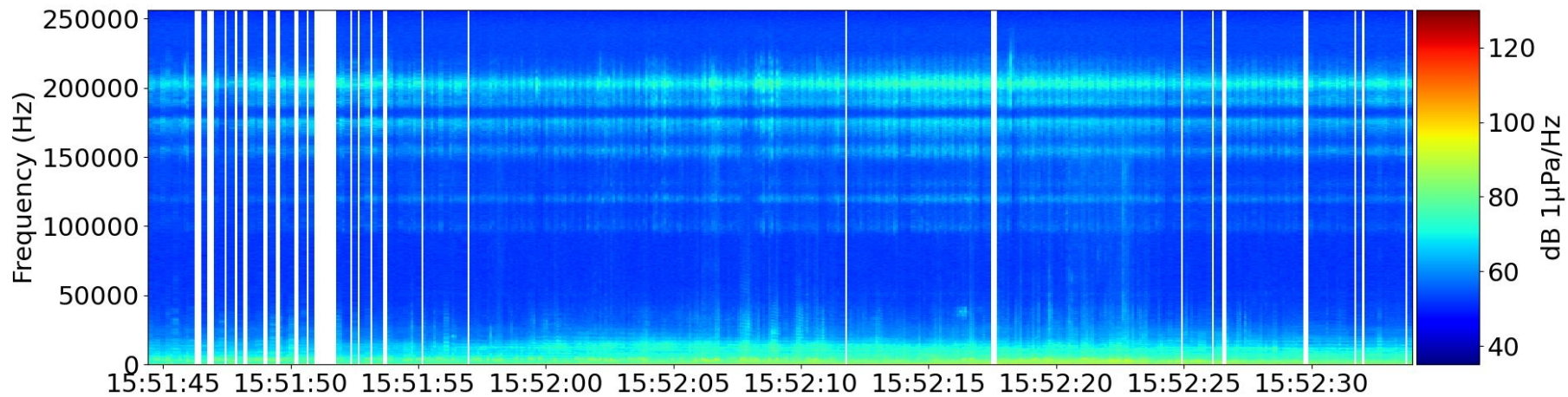
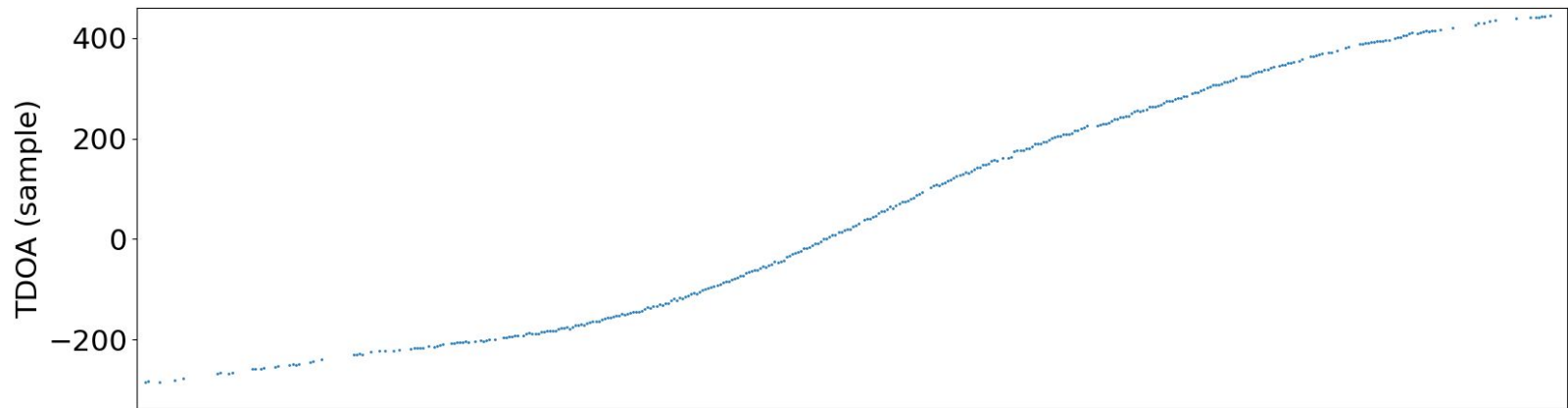


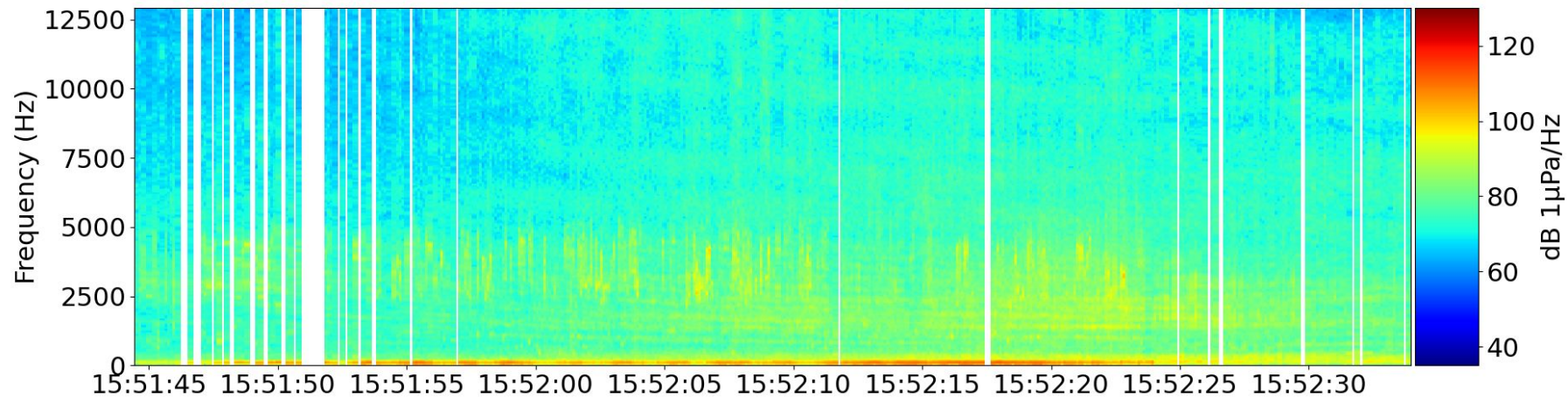
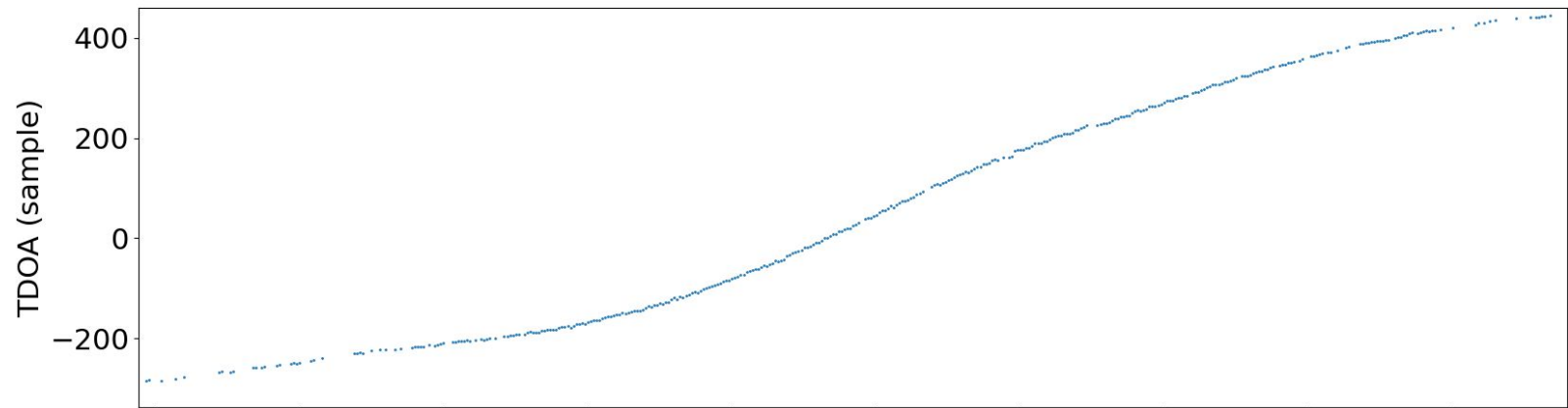
sport











Conclusion

- First estimations
- Deploy a better antenna during another competition (if possible, one under the track)
- Do open sea measurements to avoid shallow water interference
- Identify the source of the 200kHz peaks

Thank you for your attention

Conclusion

Suivi un par un des Jets et de leur bruit par l'antenne triphonique

Niveau MF 20 kHz équivalent à niveau HF 180 kHz durant le free style ! Attention au SEL/SPL

Protocole suivi anthropophonique de JetSki à affiner avec une station fixe posée trois jours avant. Autre course de prévu ?

Paul Thomas

P1 Jetcross AM Racer

Ski

Class

Ski JX3

Brand Hull

Yamaha

Team

F2R

Model

SUPERJET

Jessica Chavanne

Ski

Class

Ladies Ski JX3

Brand Hull

Kawasaki

Brand Engine

Kawasaki

Team

DREAMJET 99

Model

SXR800

Type de compétition dont SKIPRO

fin de journée ...

Dimanche 22 MAI 2022
BRIEFING OBLIGATOIRE AU GAR PODIUM 7h45

1.	SKI LITE 2 TPS - 12 min	MANCHE 2	9 h 00
	SKI LITE 2 TPS WOMEN -		
	SKI LITE 2 TPS JUNIOR -		
2.	SPORT DIVISION - 12 min	MANCHE 2	9 h 30
	SKI LITE 4 TPS - 12 min	MANCHE 2	10 h 00
4.	SKI STOCK 4 TPS - 12 min	MANCHE 2 (11h3)	10 h 30
	SKI EXPERT GP - 15 min - 11h24	MANCHE 2 (11h48)	11 h 00
	SKI VÉTÉRAN GP -		
	SKI PRO GP WOMEN -		
6.	SKI LITE 2 TPS - 12 min	MANCHE 3	11 h 30
	SKI LITE 2 TPS WOMEN		
	SKI LITE 2 TPS JUNIOR		
Pause Déjeuner 12h 14h00			
7.	SKI PRO GP - 30 min	MANCHE 2	14 h 00
8.	SPORT DIVISION - 12 min	MANCHE 3	14 h 30
Show Freestyle			
9.	SKI LITE 4 TPS - 12 min	MANCHE 3	15 h 00
10.	SKI STOCK 4 TPS - 15 min	MANCHE 3	15 h 30
11.	SKI EXPERT GP - 15 min	MANCHE 3	16 h 00
	SKI VÉTÉRAN GP		
	SKI PRO GP WOMEN		
Show Freestyle			
12.	SKI PRO GP - 17 min	MANCHE 3	16 h 30
Show Freestyle			
Remise des Prix 17 h 30			

Handwritten notes: "Non fait PAUSE déjeuner" (written over items 6-8), "7 courses 2 passages" (written at the top right), and "11h24" and "11h48" (written next to item 4).

Trophé =

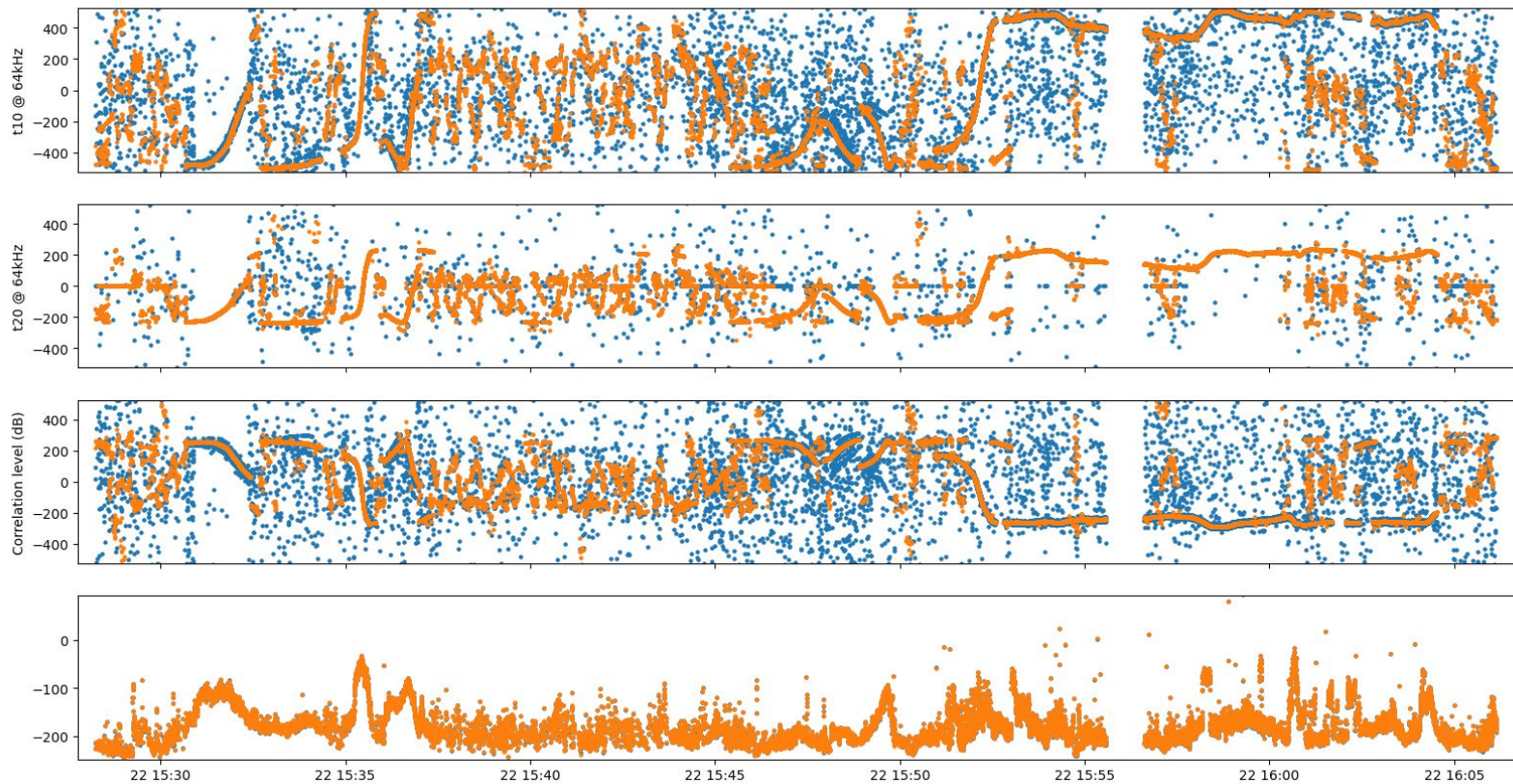
- Ski Pro GP : 1 Maurin Raphaël - 2 Dardillat Valentin - 3 Pore...
- Ski Expert GP : 1 Chavanne Jessica - 2 André Damien - 3 S...
- Ski Vétéran : 1 Calmels Christophe - 2 Muraz Yohann - 3 Du...
- Ski 4 temps Stock : 1 Bento Thomas - 2 Girel Alexandre
- Ski 4 temps lite (Super Cup Yamaha) 1 Thomas Paul - 2 Ca...
- Ski 2 temps lite : 1 Thomas Paul - 2 Dardillat Lou - 3 Van Re...
- Sport Division : 1 Tiercelin Estelle - 2 Tiercelin Théo - 3 Miar...
- Ski lite 2 Temps Juniors : Benoit Meliani remport la catégorie

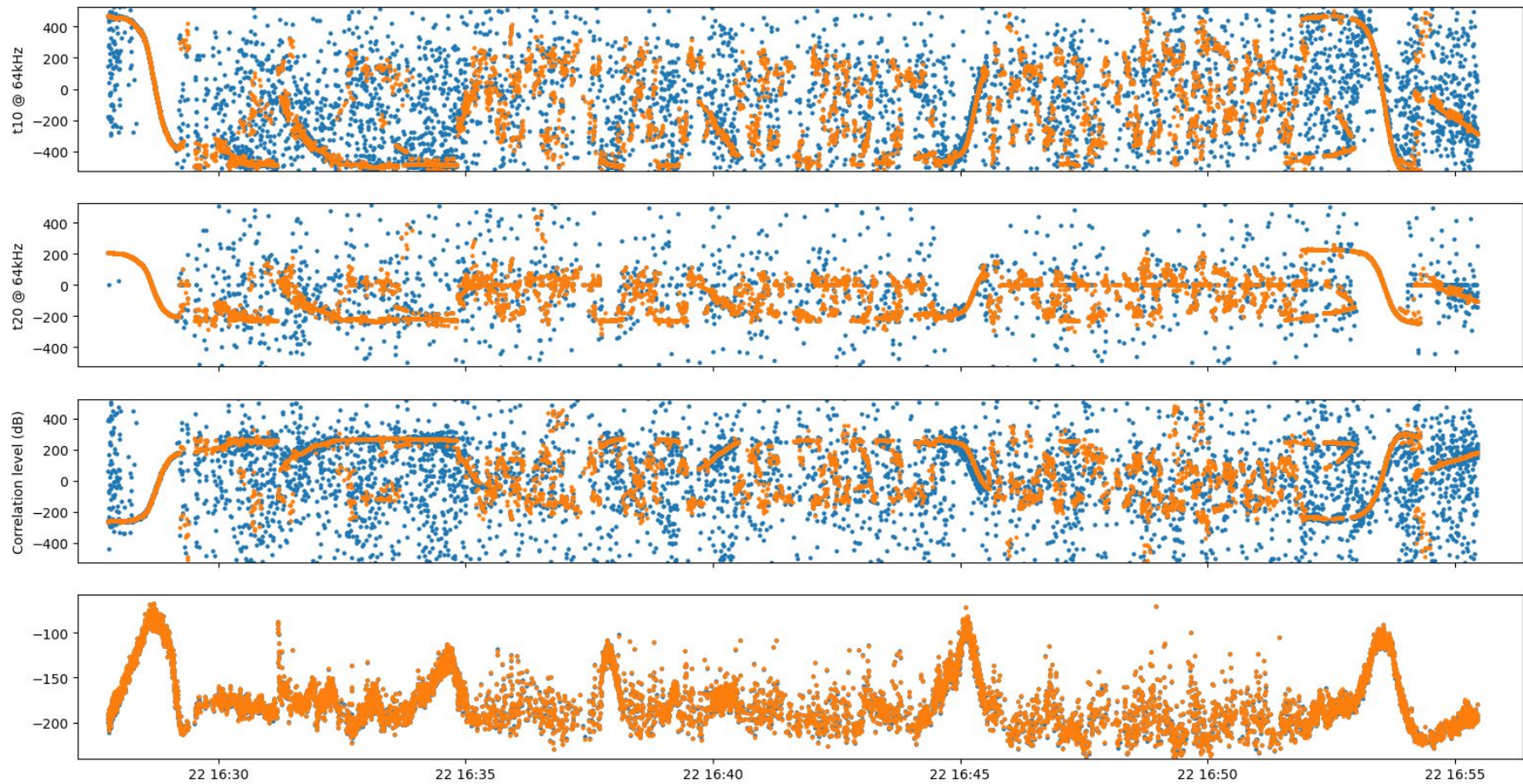
COGOLIN – BAIE -22/05/2022

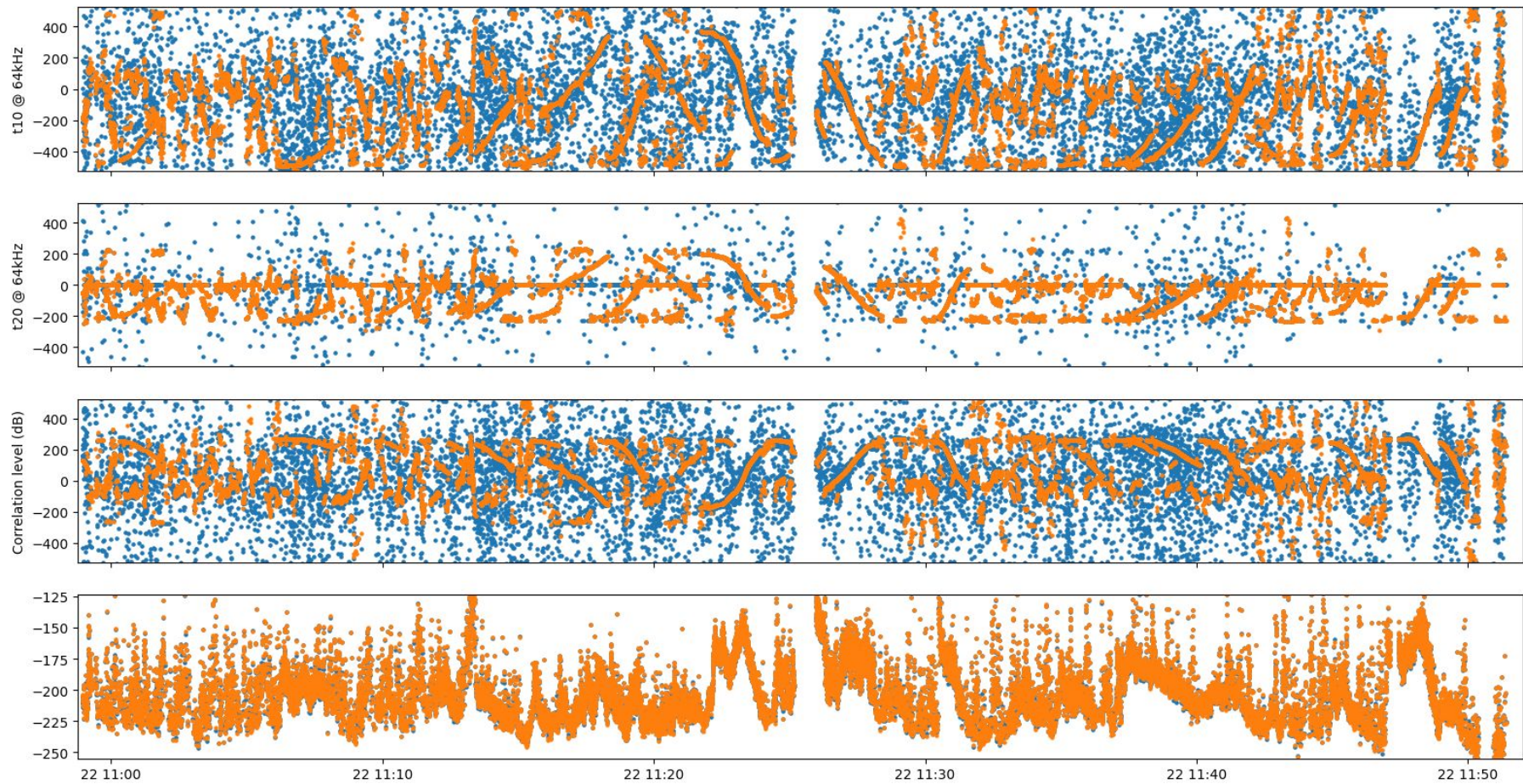
time temperature (°C) profondeur(m)

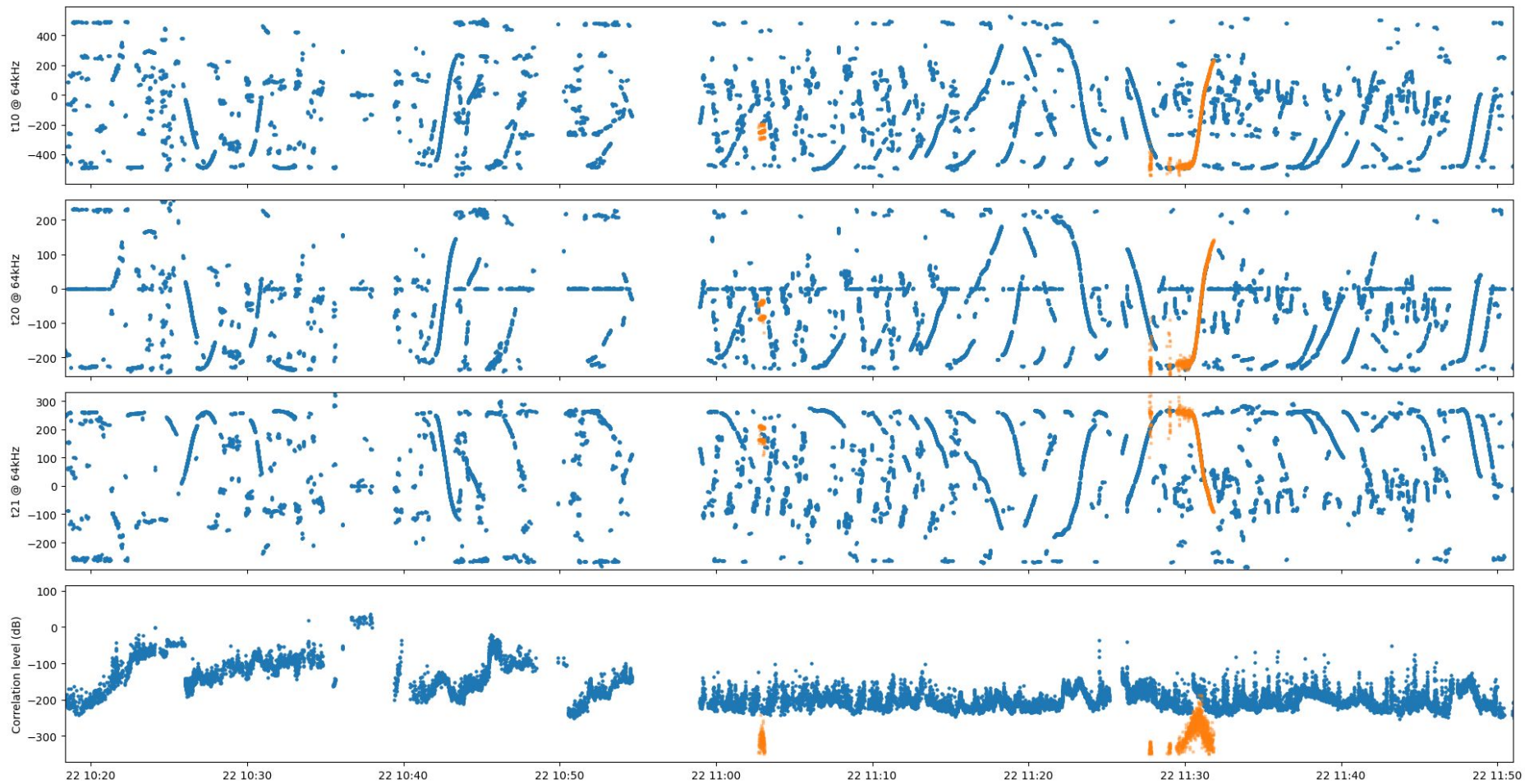
14h17	20.064	-10
15h13	19.98	-10
15h14	20.11	-9
15h15	20.48	-8
15h16	20.57	-7
15h17	20.98	-6
15h18	21.08	-5
15h19	21.12	-4
15h20	21.19	-3
15h21	21.36	-2
15h22	21.44	-1
15h23	21.52	0

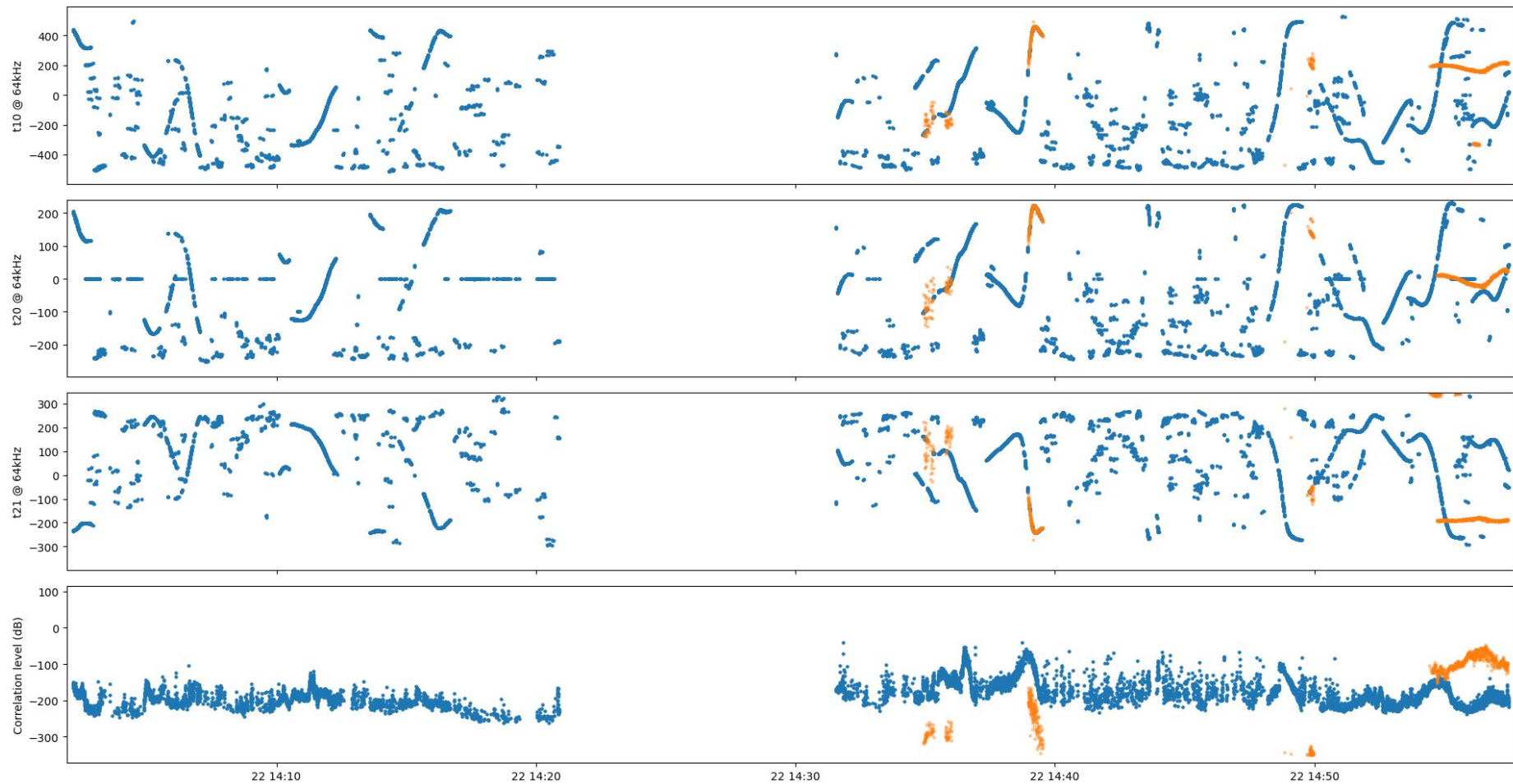
Amélioration des tdoa par inversion de phase de la voie 1

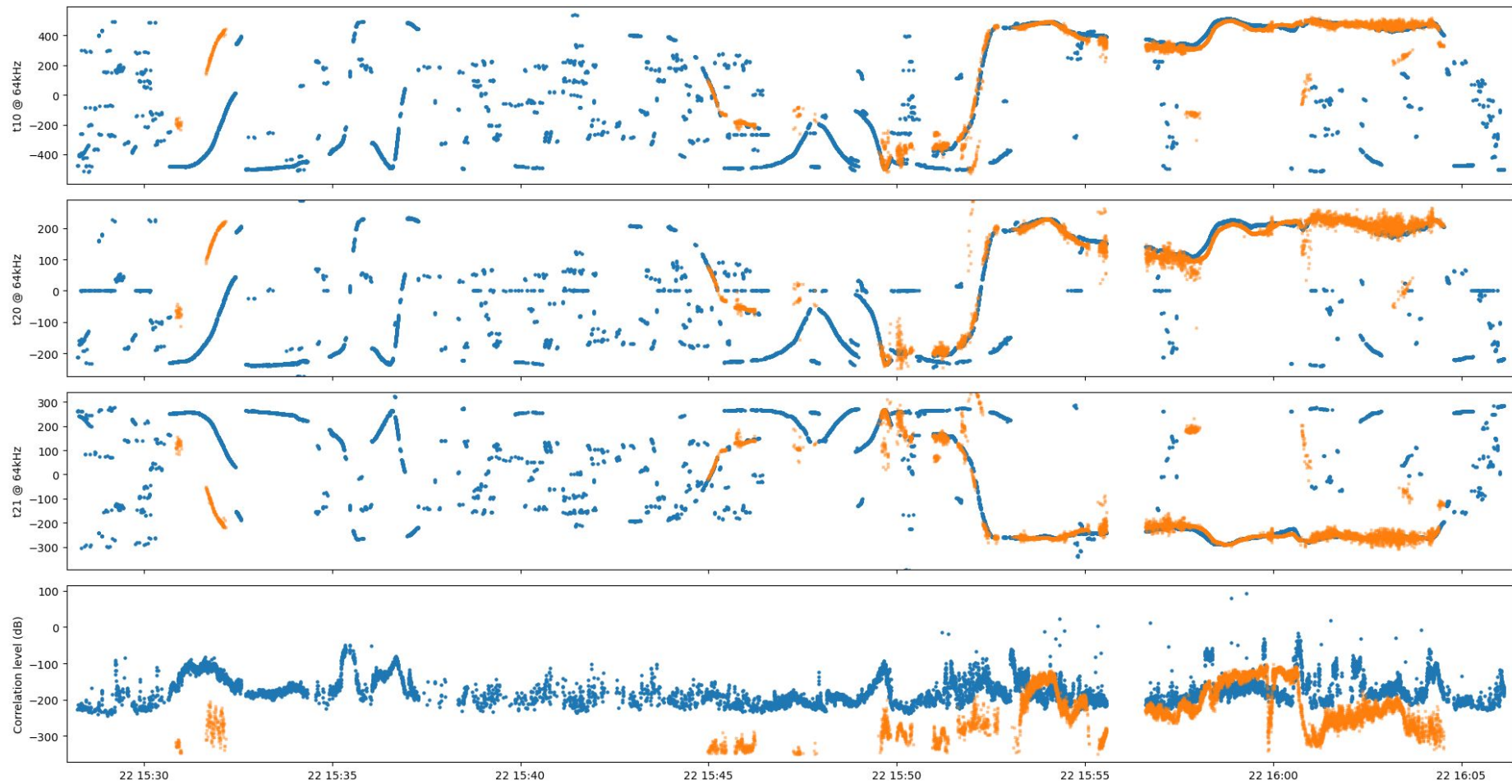


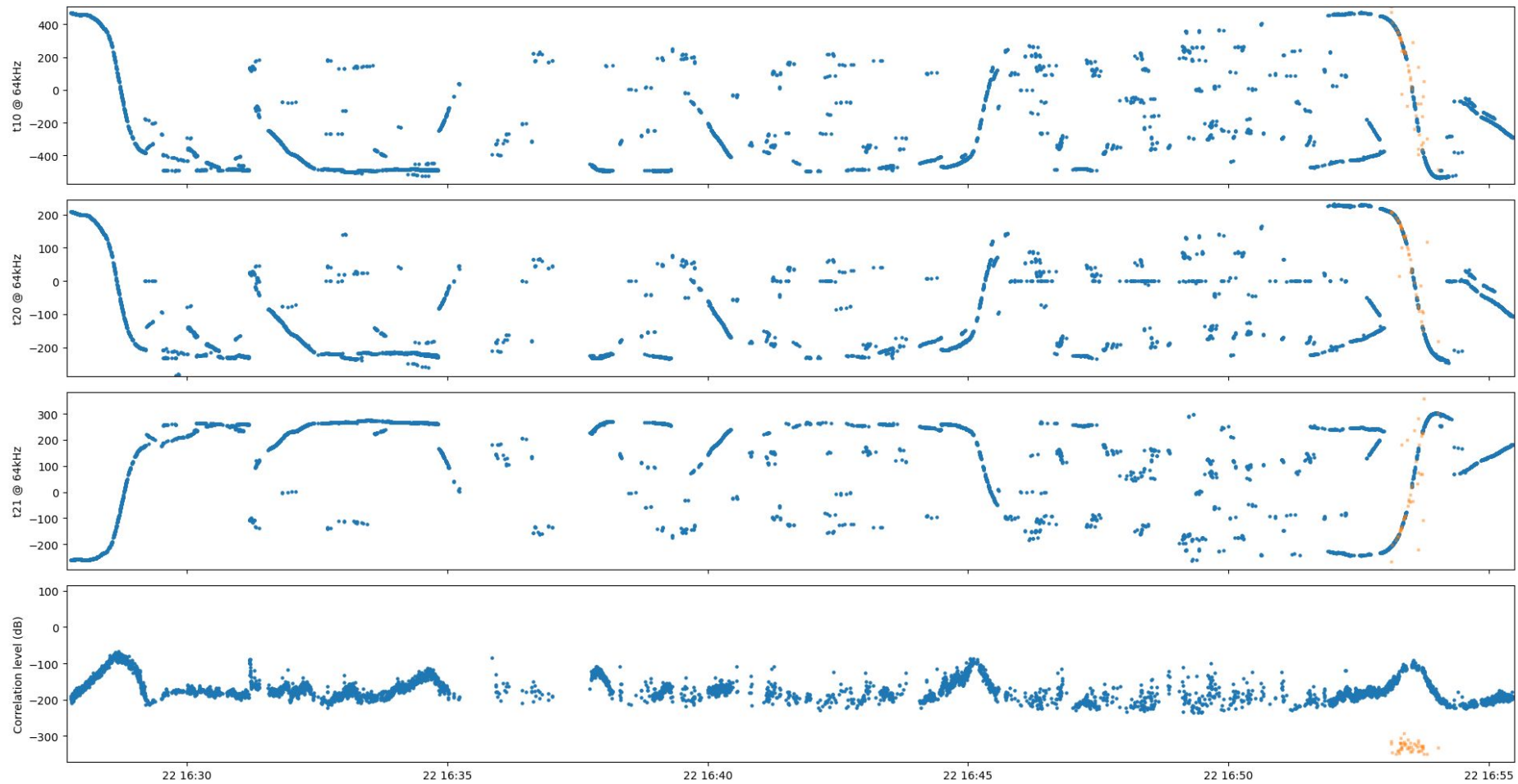


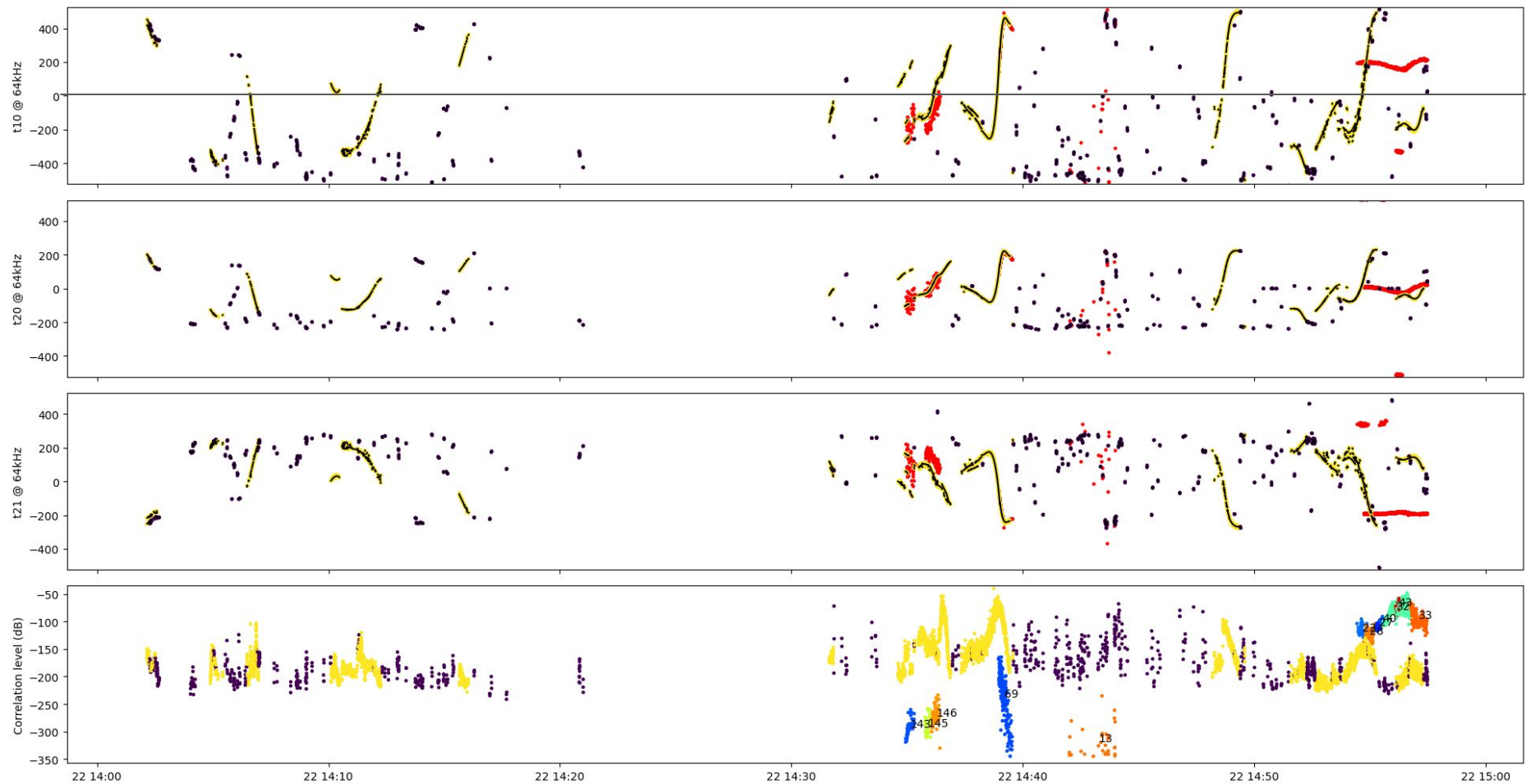


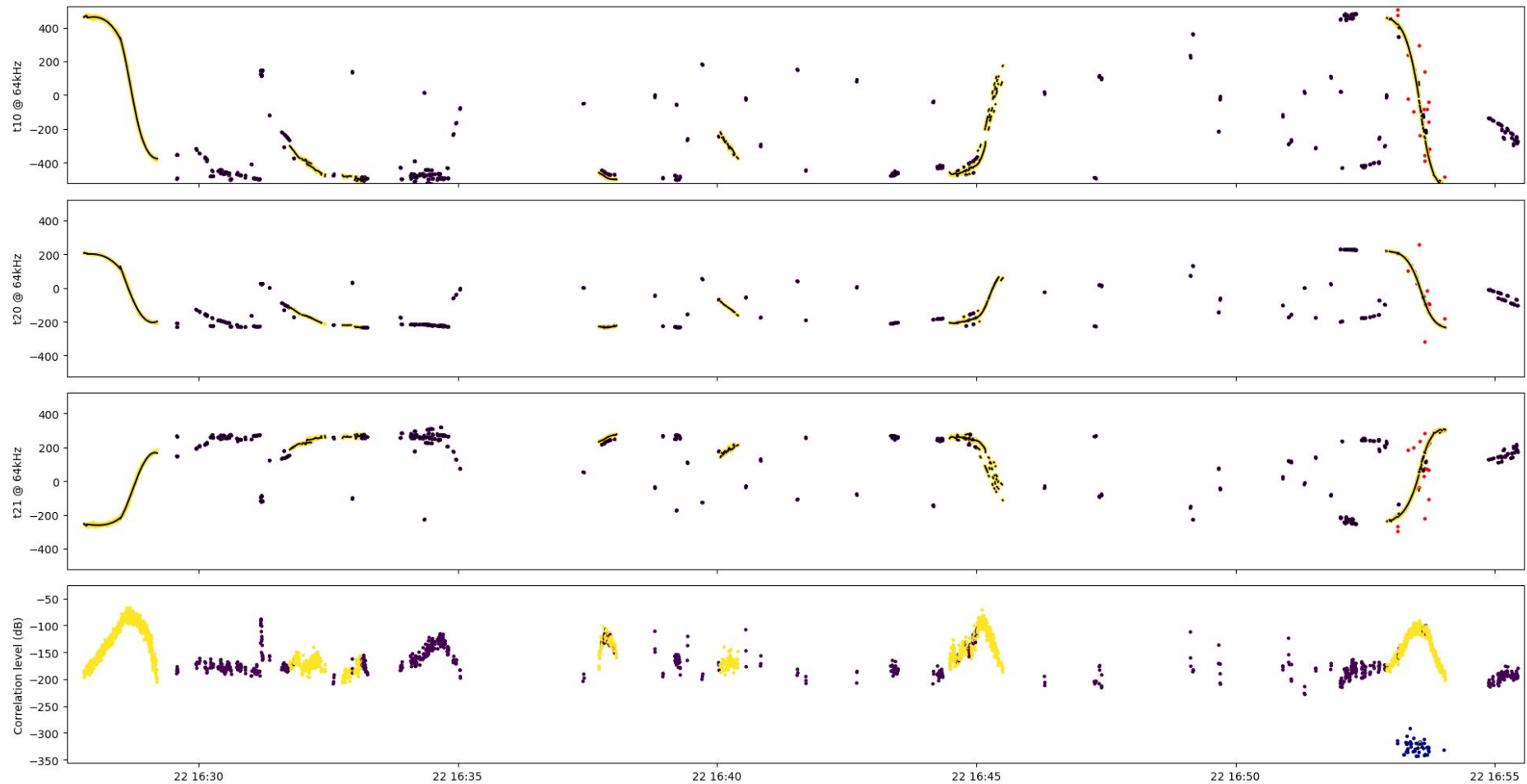


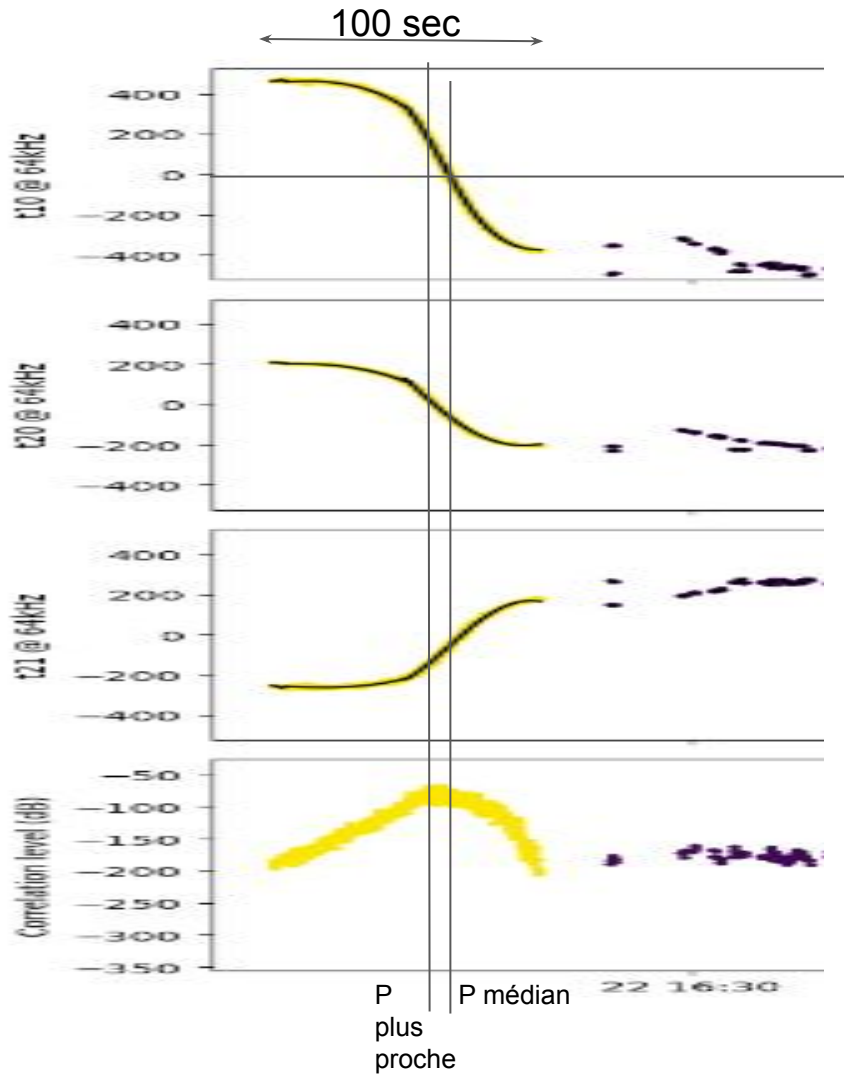












TDoA = 0 => plan médian

environ 10 secondes de différence entre
Point le Plus Proche et Point Médian