Ornithologie et acoustique : quelques principes de base suivis de l'étude d'un type vocal de Bec-croisé des sapins

Julien Rochefort
julienrochefort2@gmail.com

Nagra IS 1973

Enregistreur Minidisc
1999

Sonagraphe
1946

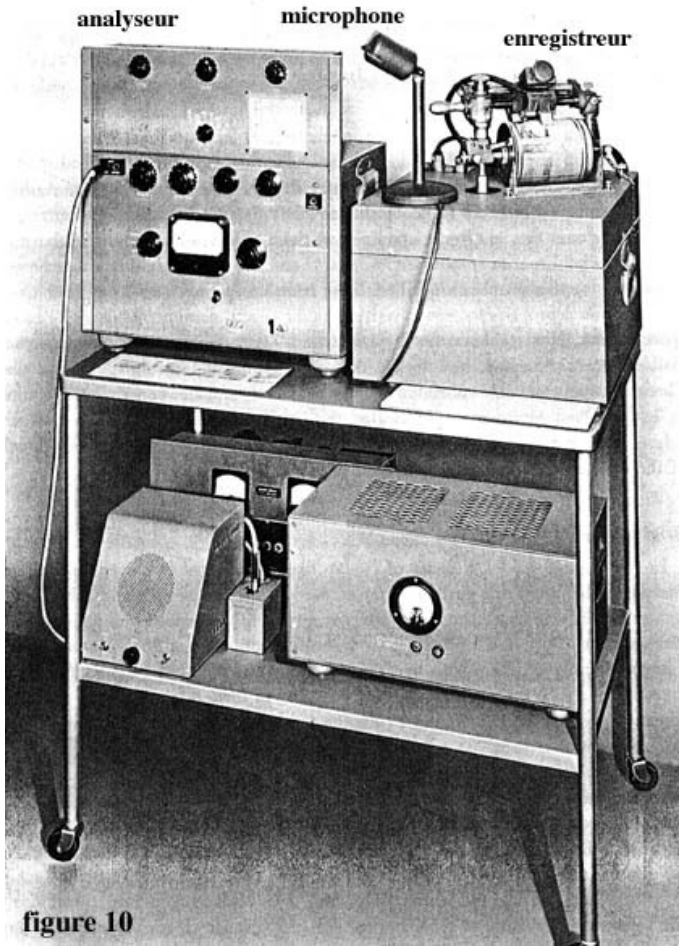


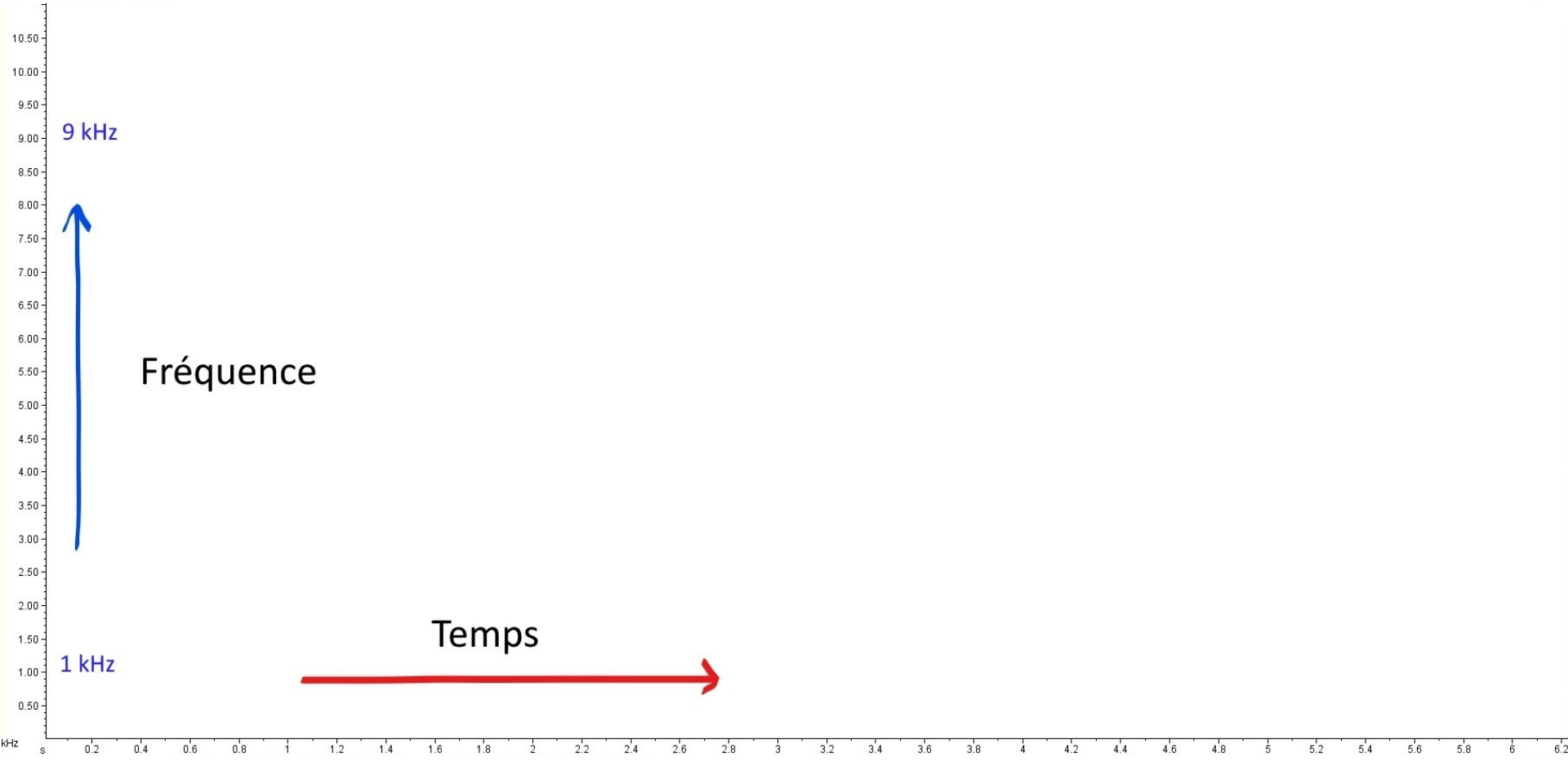
figure 10

Sonagraphe 1965

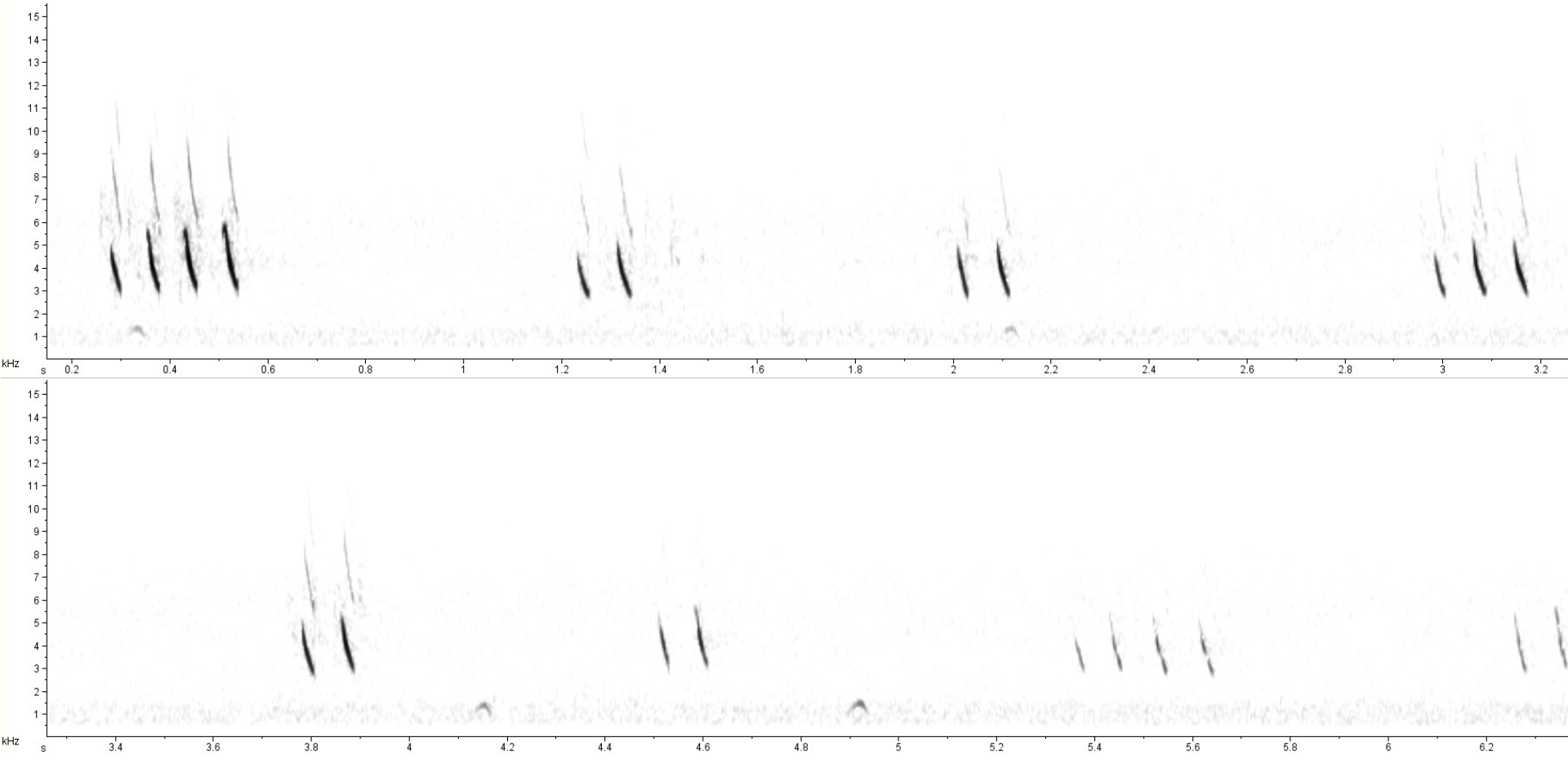
Raven Lite 2.0

Logiciel gratuit

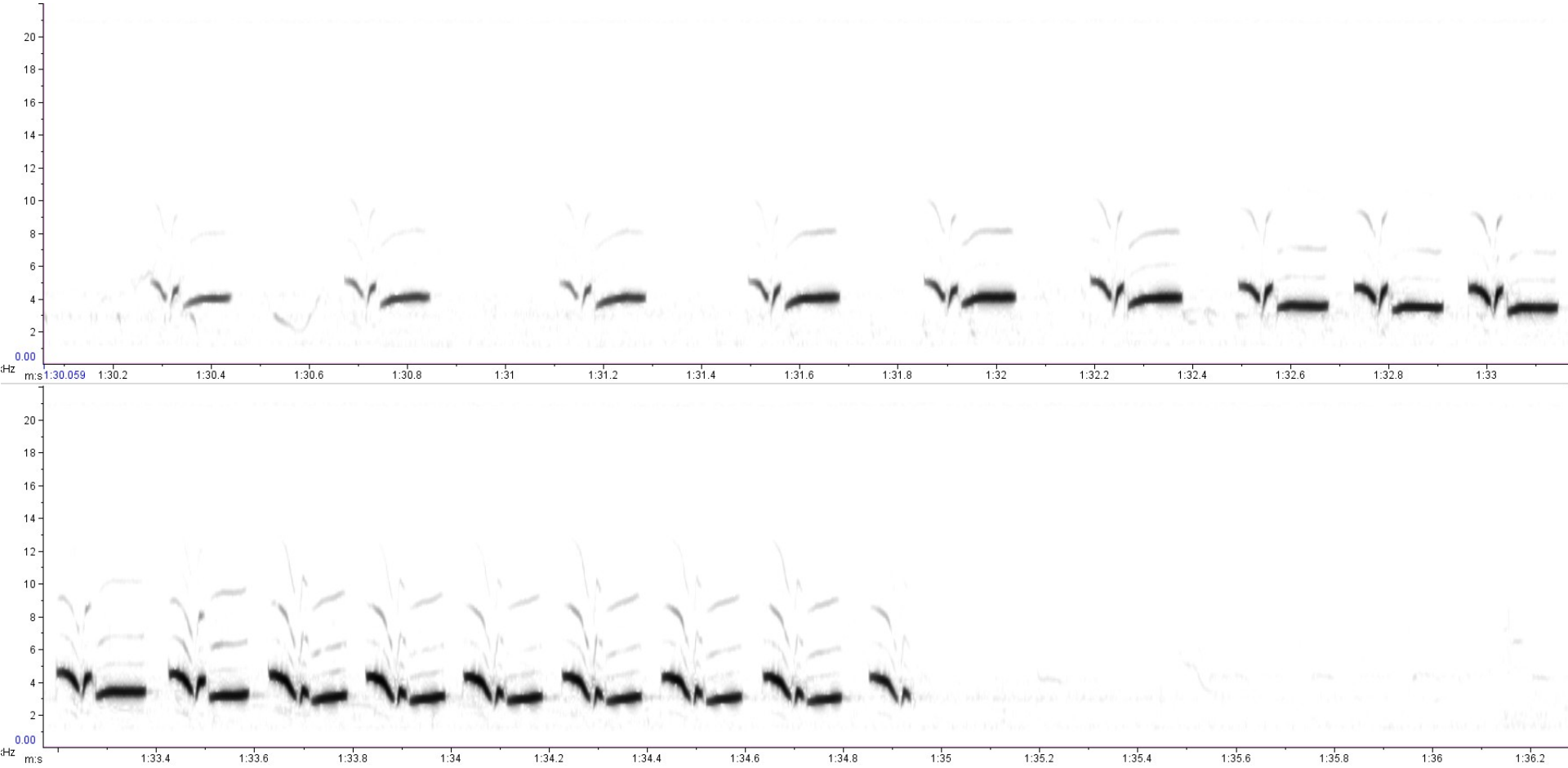
Sonagramme



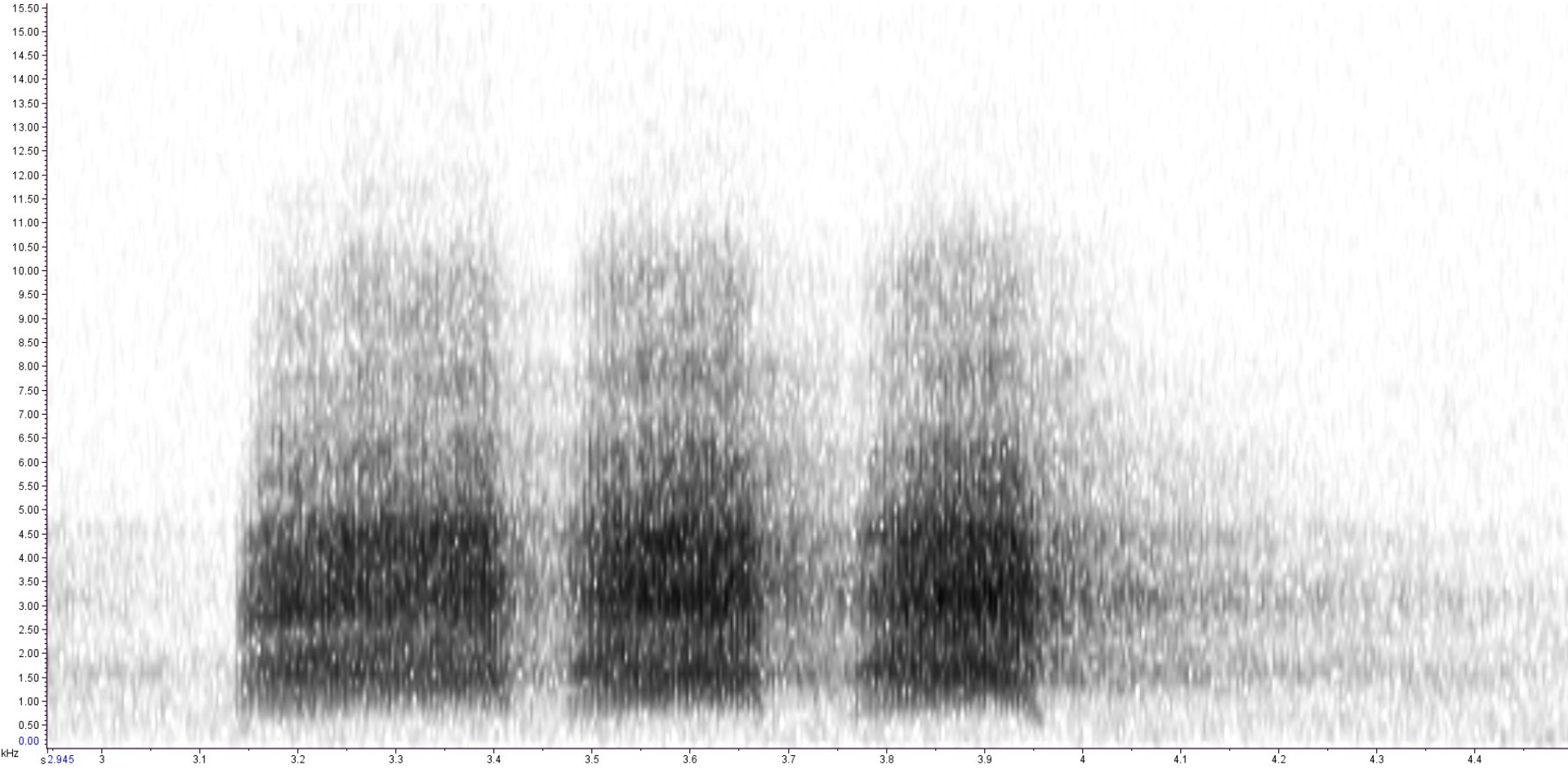
Verdier d’Europe: cris de vol



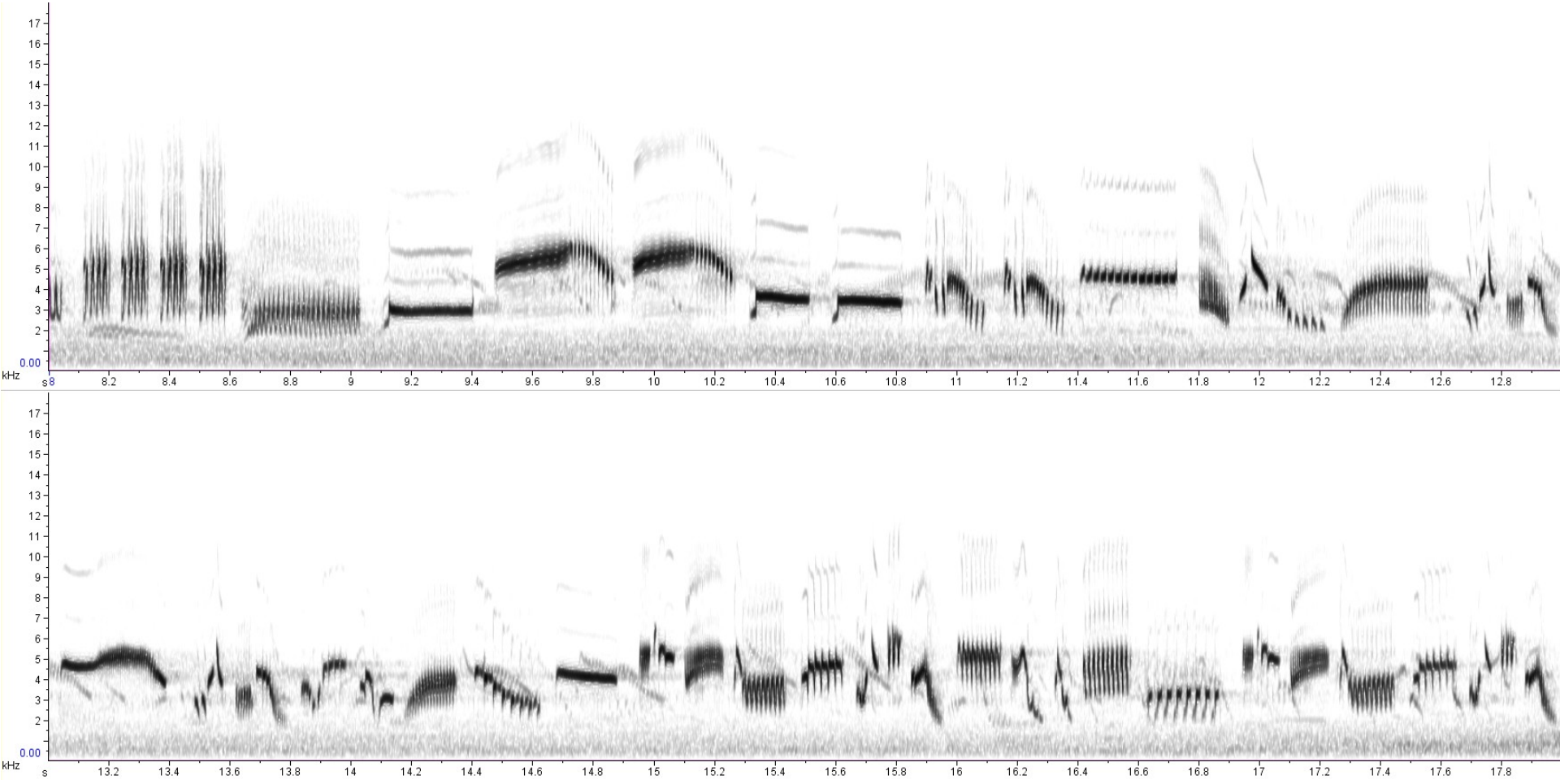
Alouette Lulu: 1 phrase de chant



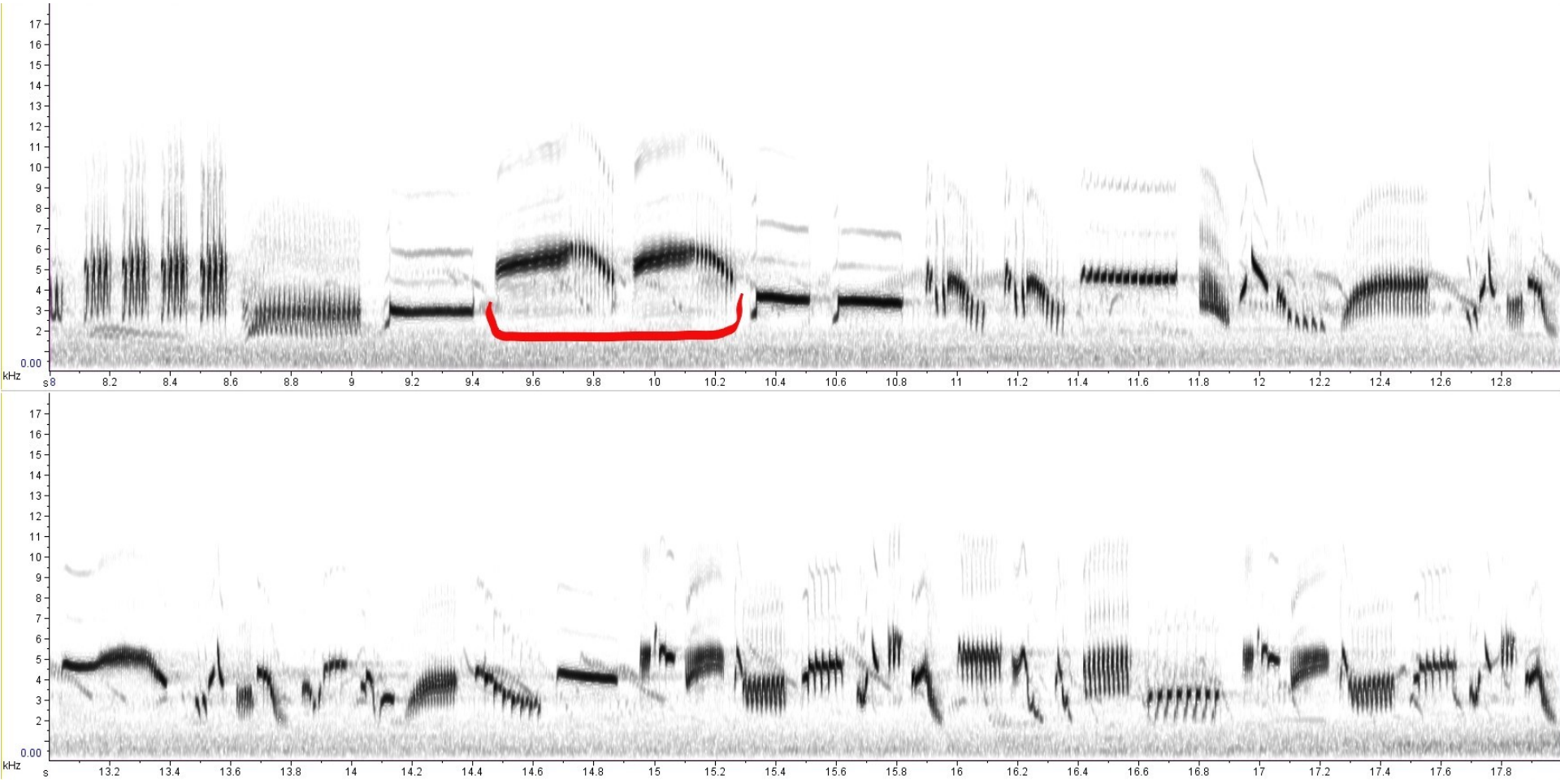
Geai des chênes: cris



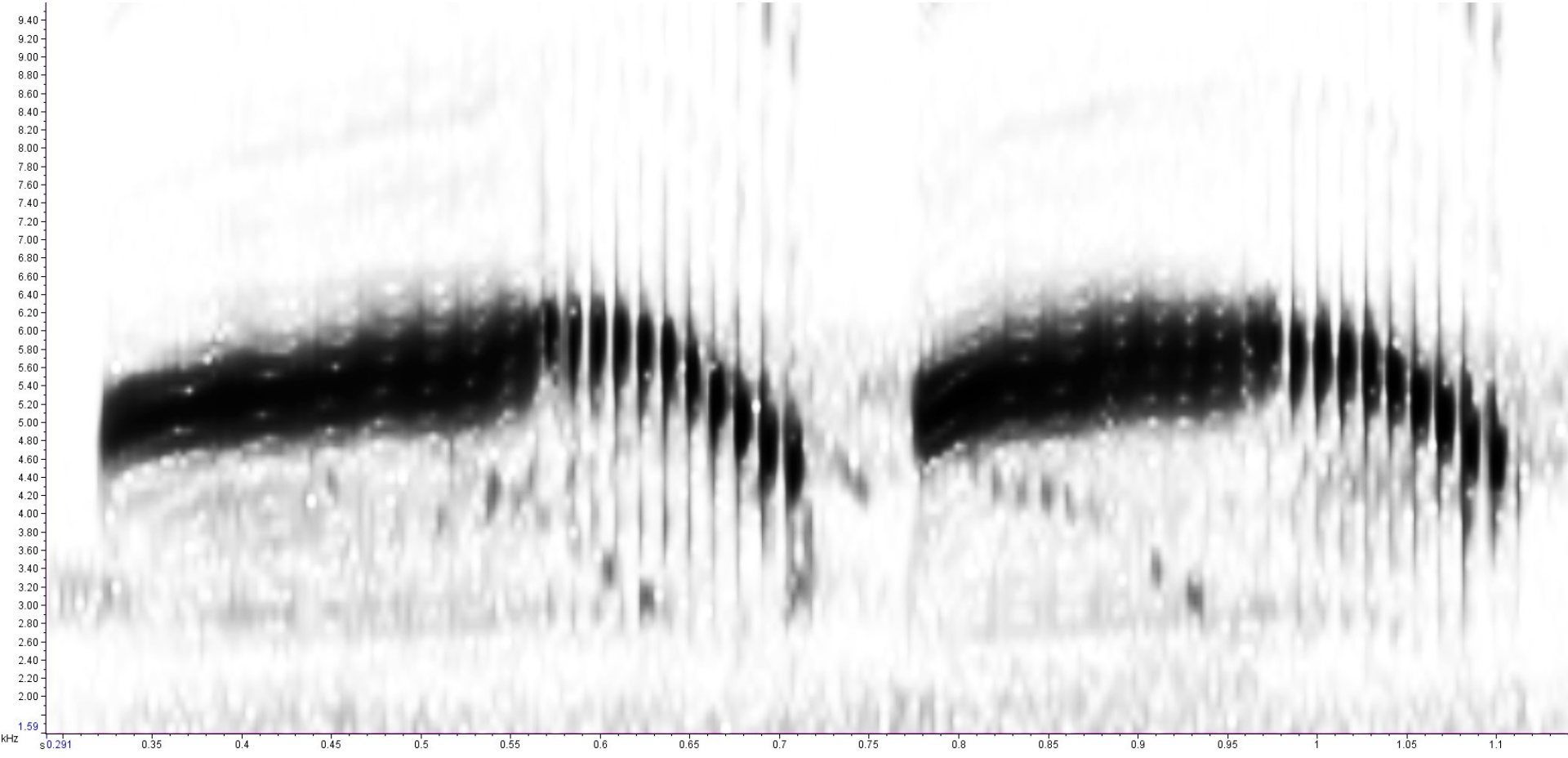
Alouette des champs: chant



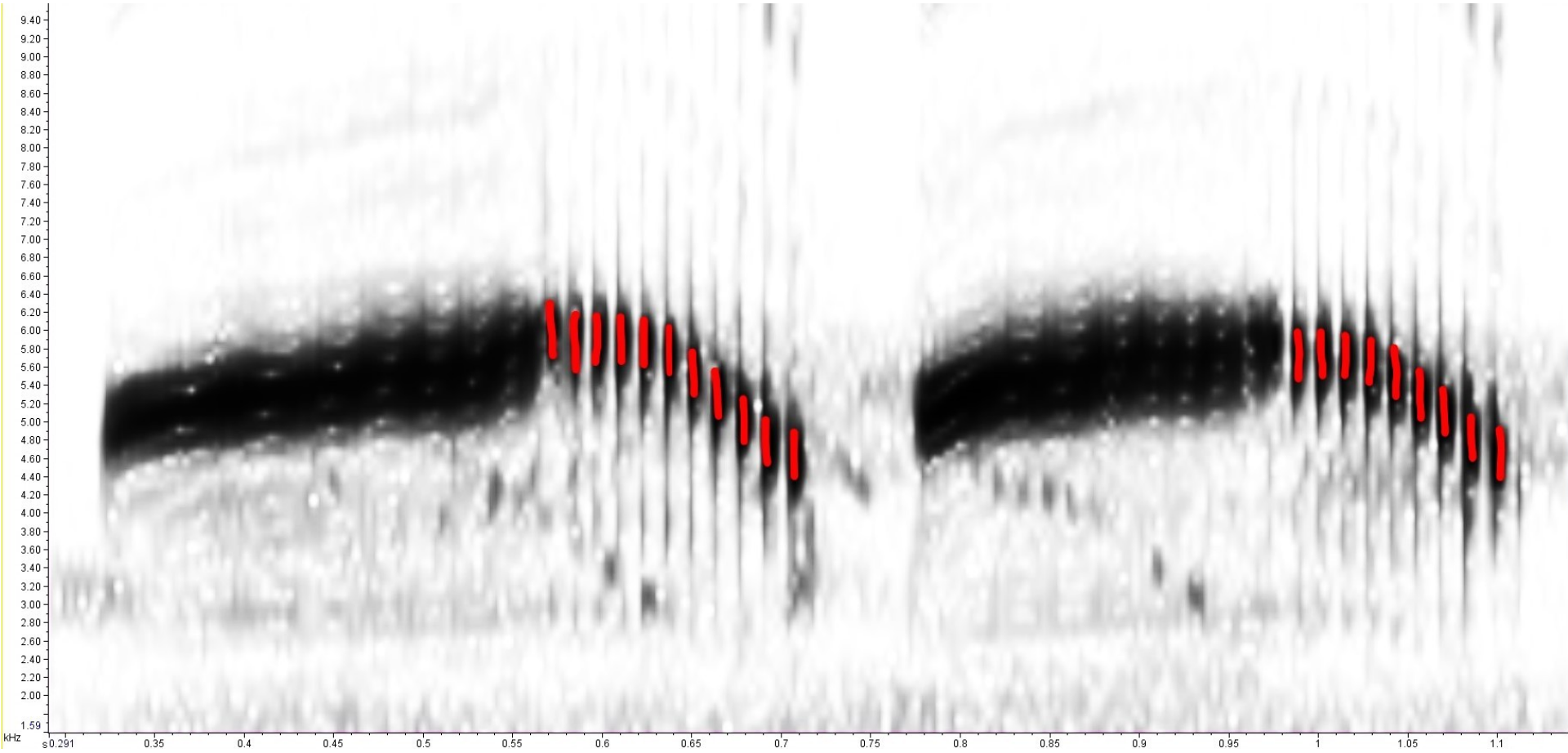
Alouette des champs: chant



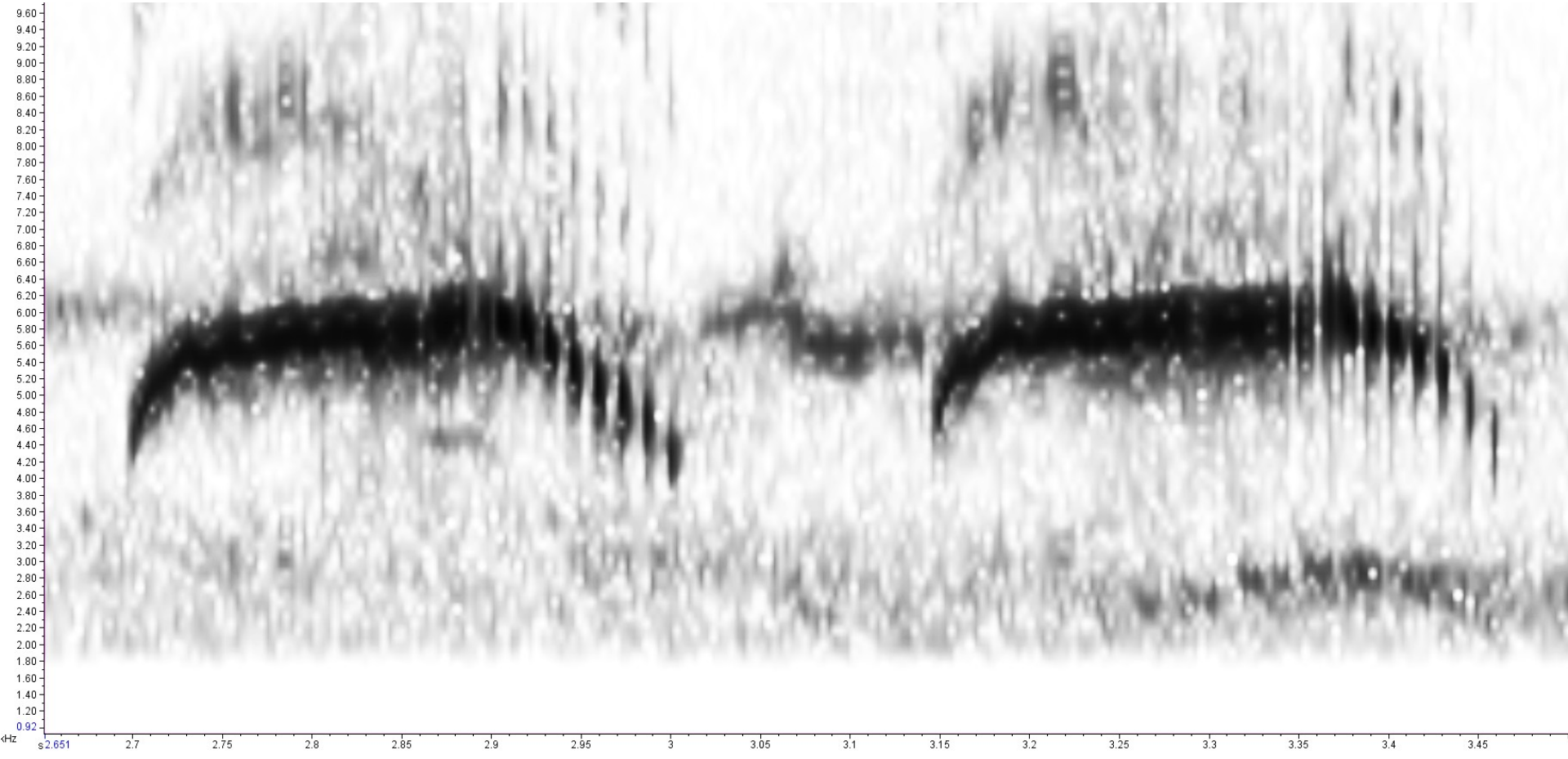
Alouette des champs: chant
Détail



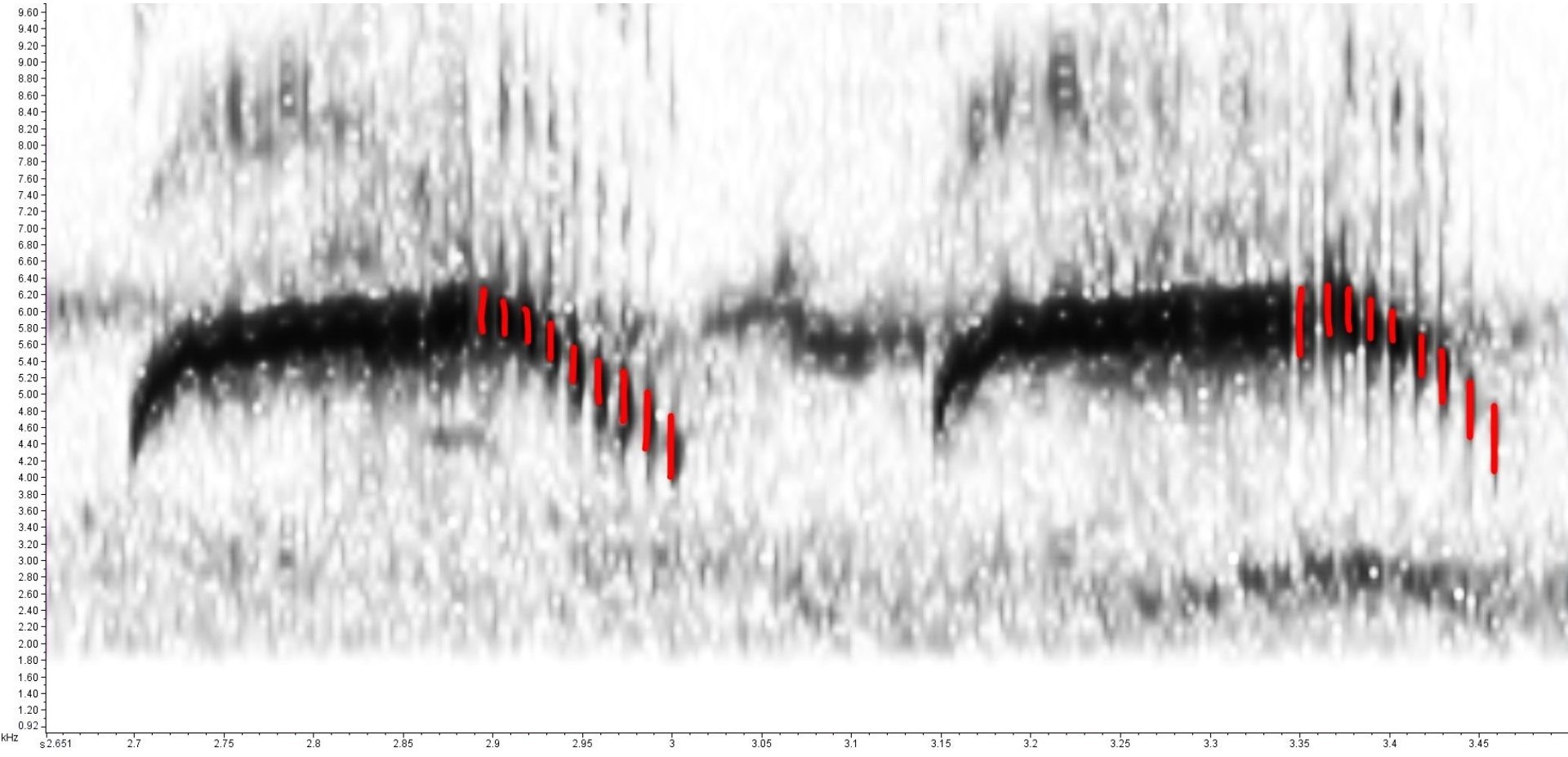
Alouette des champs: chant
Détail



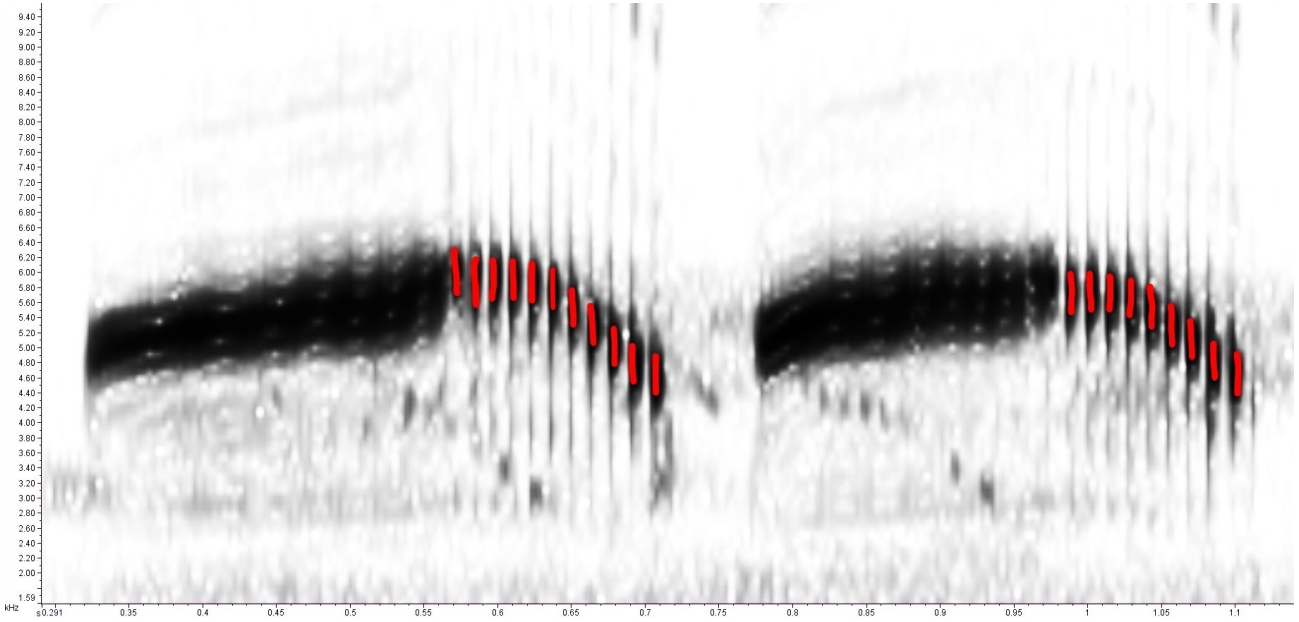
Martinet noir: cris



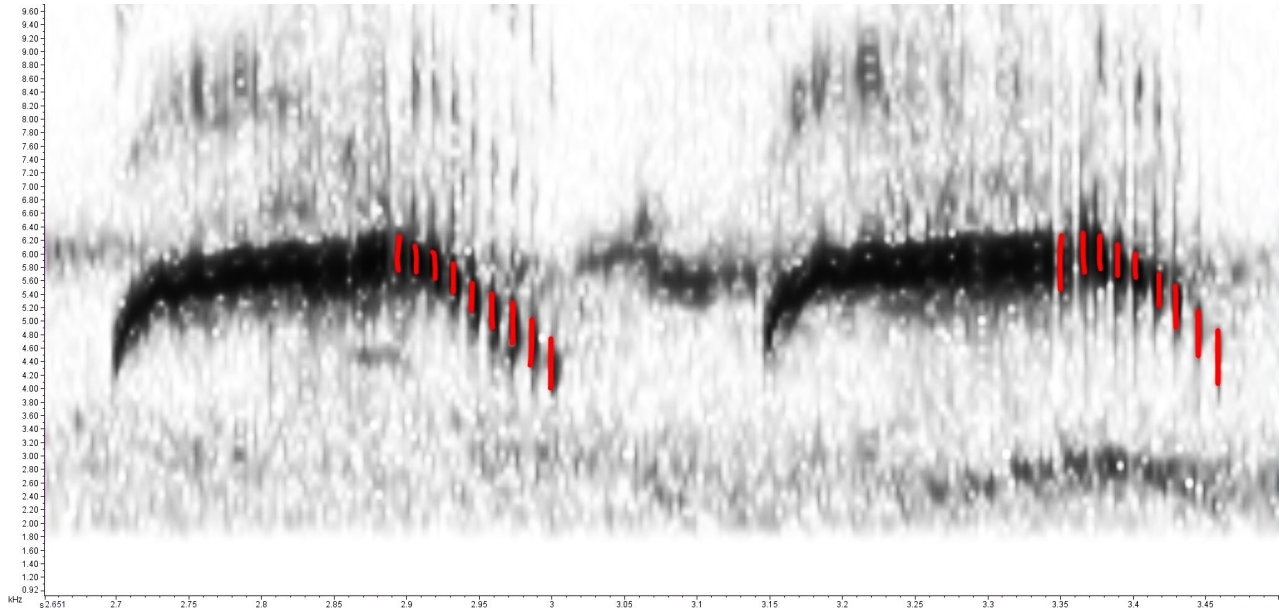
Martinet noir: cris



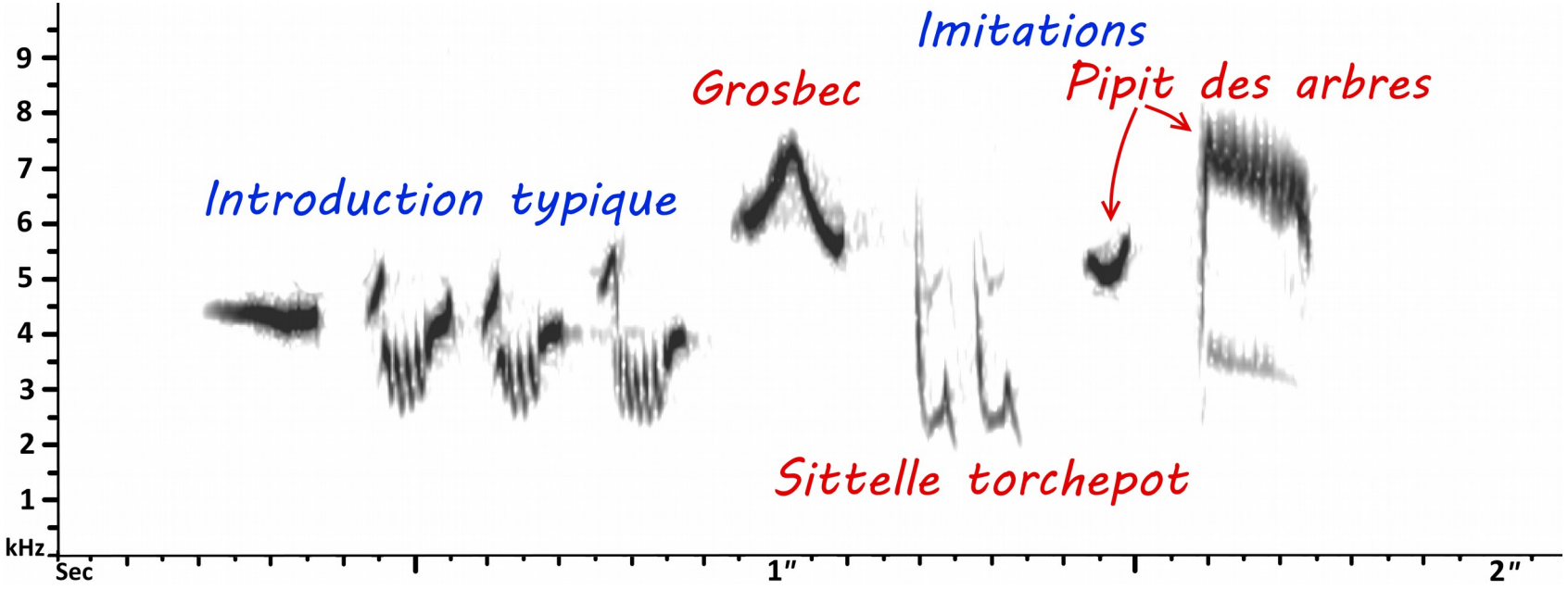
Alouette des champs imitant cris de Martinet noir



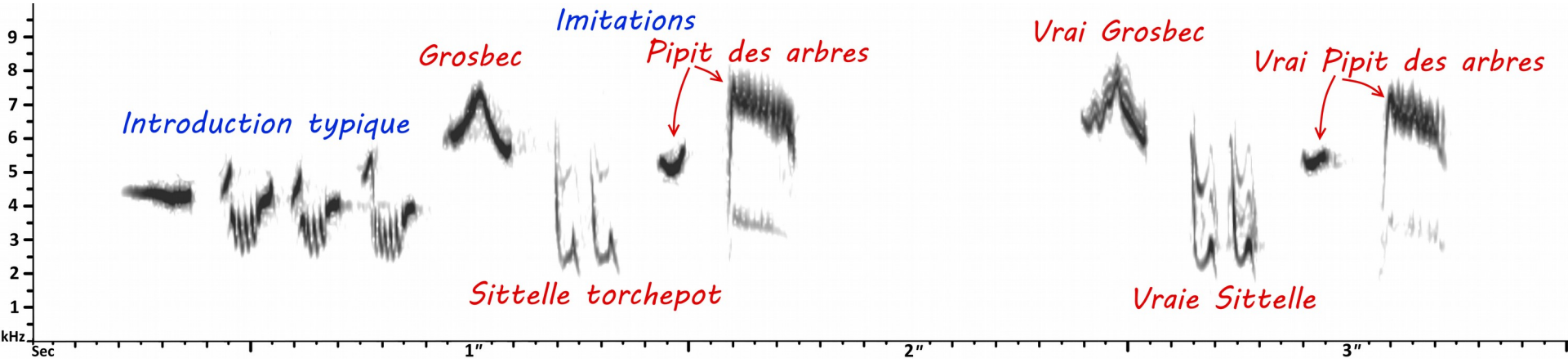
Martinet noir: cris



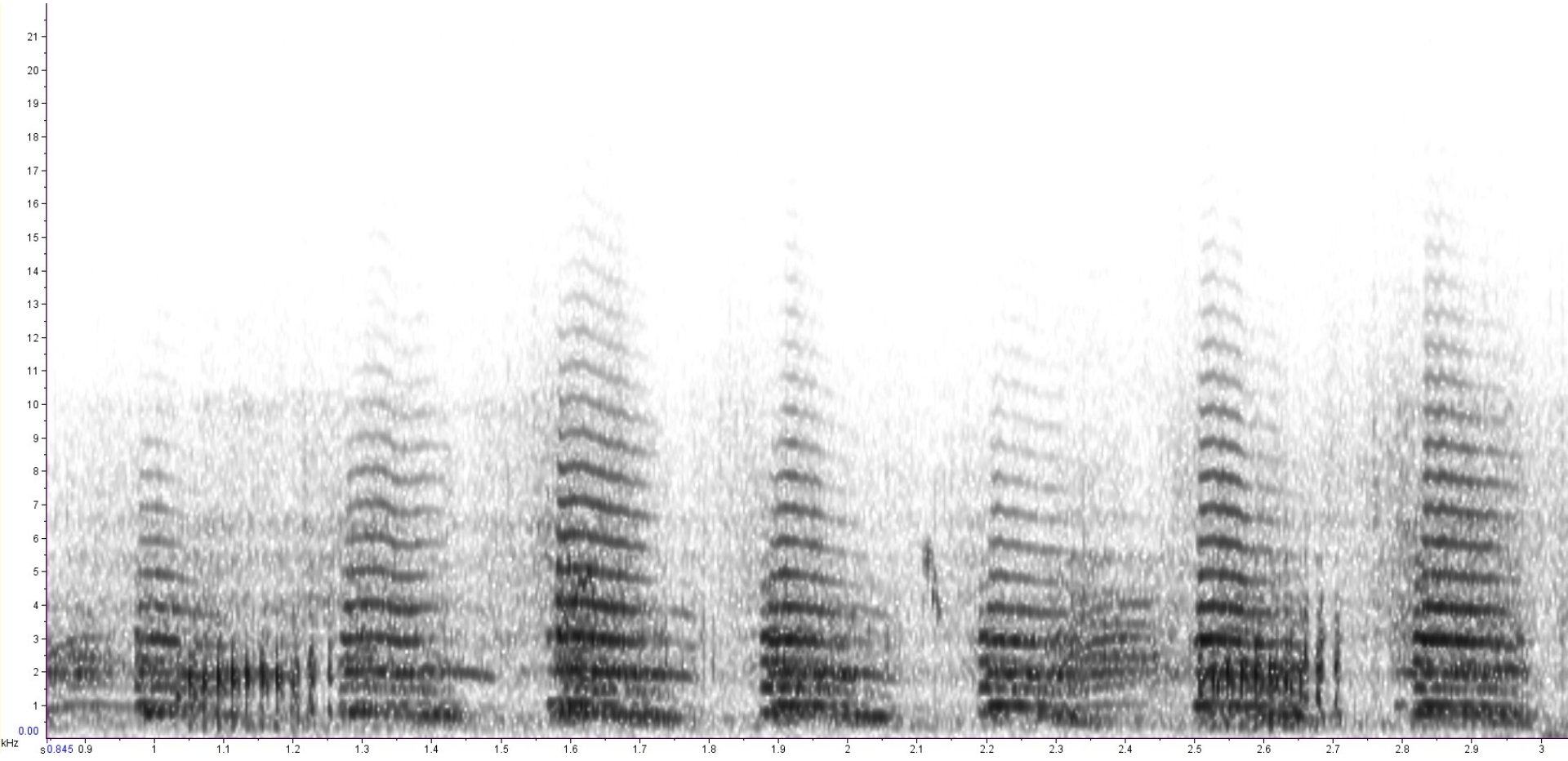
Rougequeue à front blanc



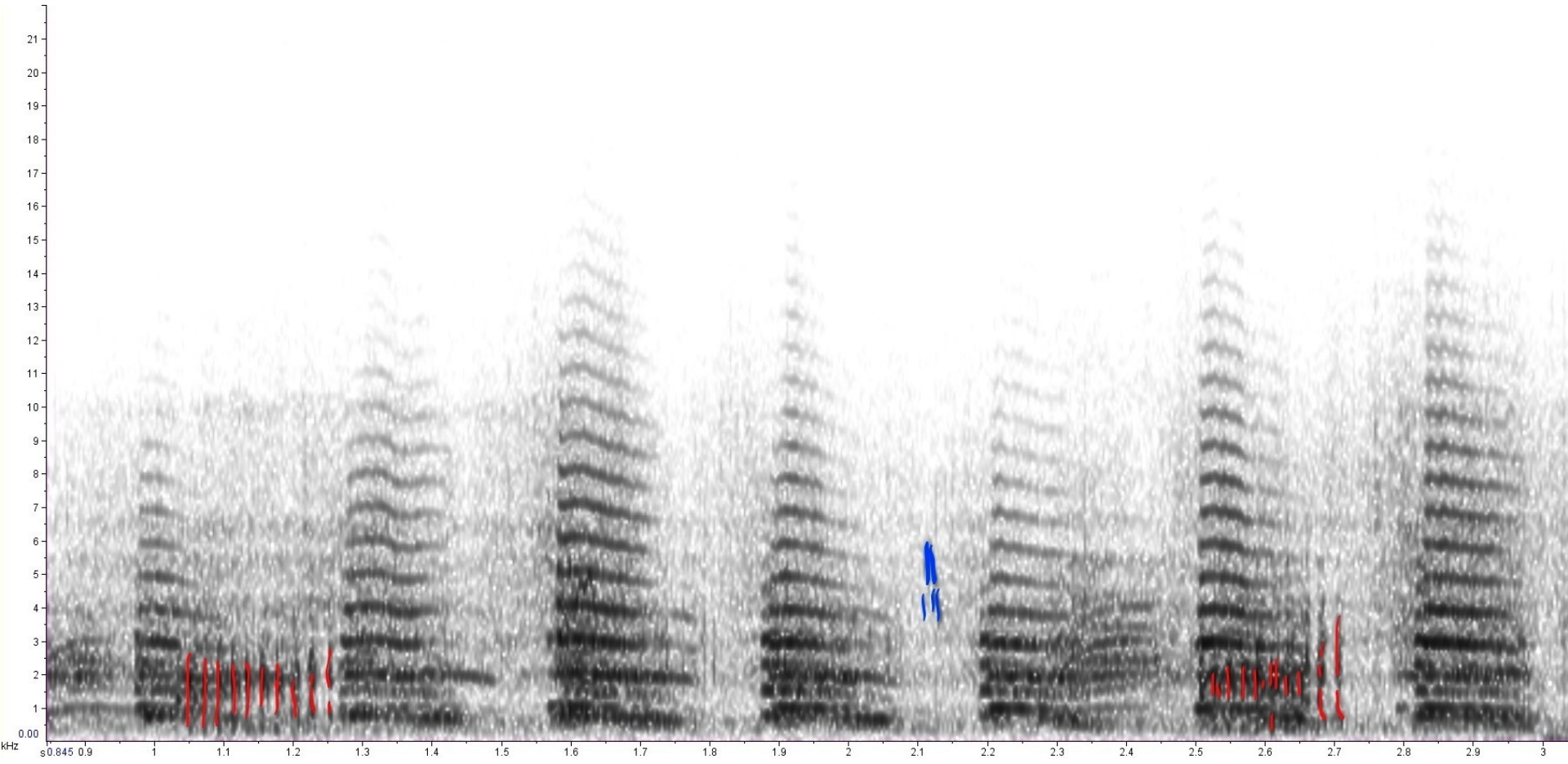
Rougequeue à front blanc



Cygne tuberculé: bruit d’ailes en vol

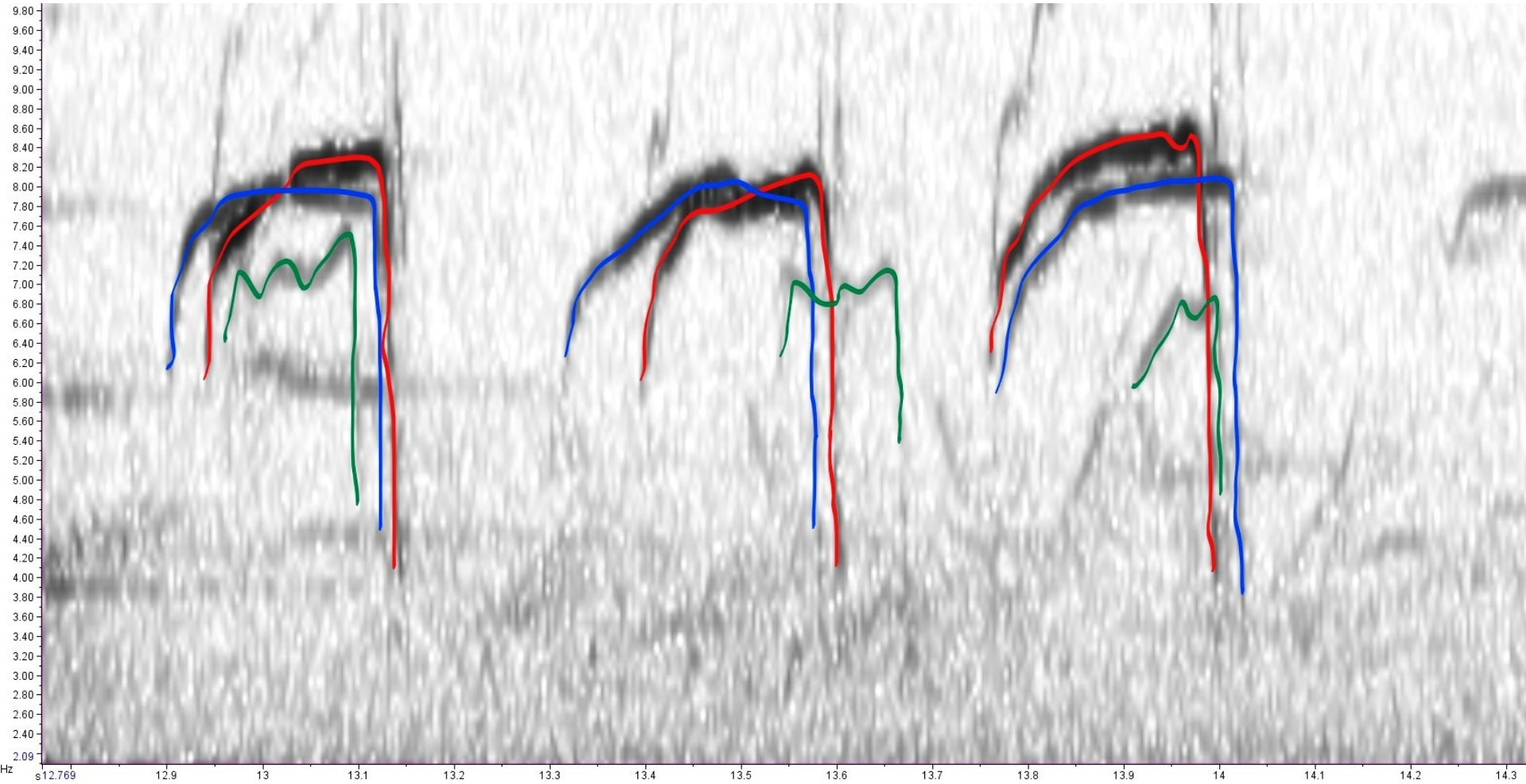


Cygne tuberculé: bruit d’ailes en vol

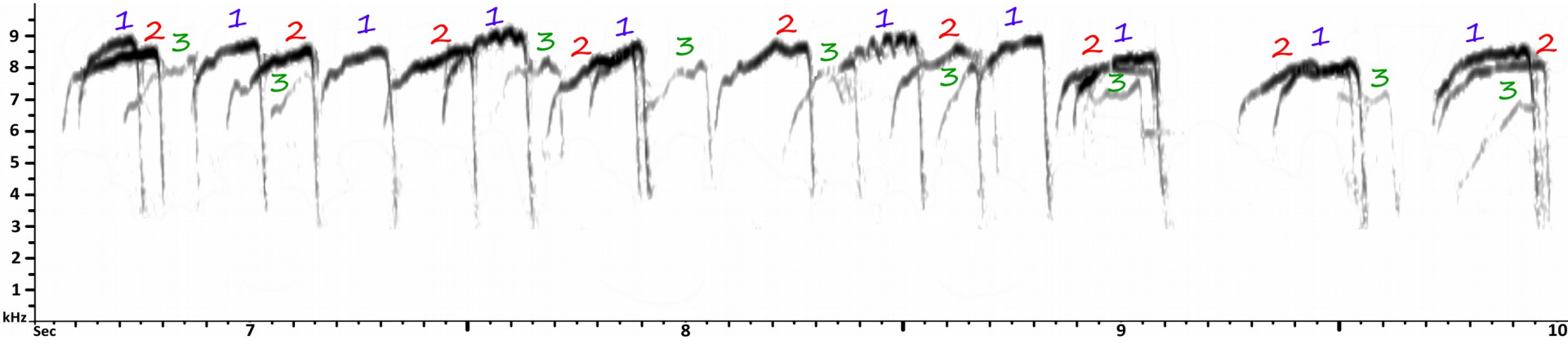


Poussins de Bec-croisés des sapins

Poussins de Bec-croisés des sapins



Poussins de Bec-croisés des sapins



Olympus LS-11

Tascam DR-05

ZOOM H5

Olympus LS-100

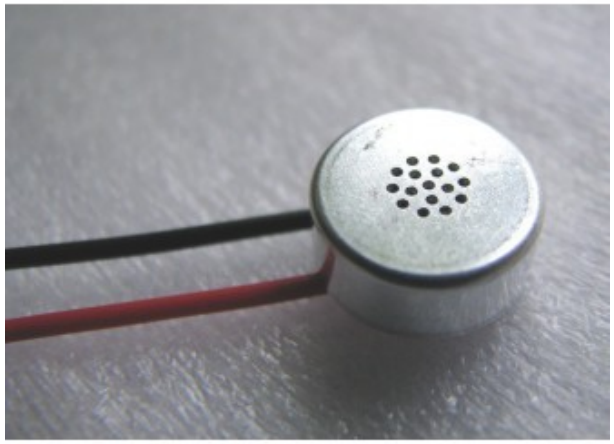
Tascam DR-100 MK III

Sennheiser ME66

Tête ME66
et base K6

Sennheiser MKE 600

Capsules Primo EM172
micbooster.com



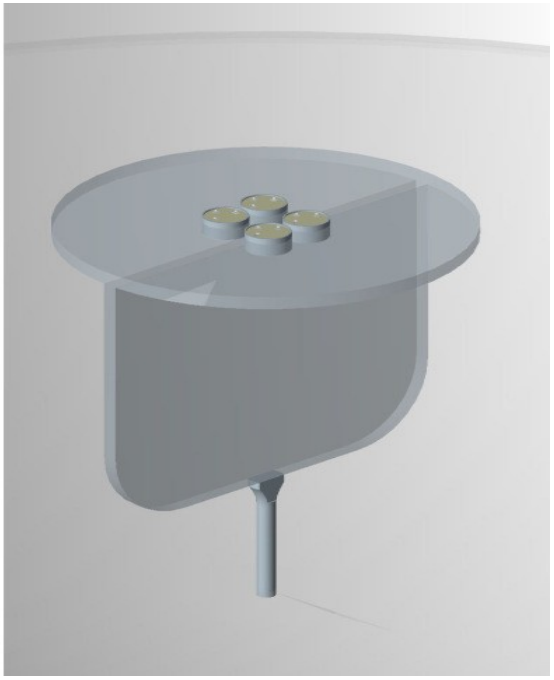
TELINGA

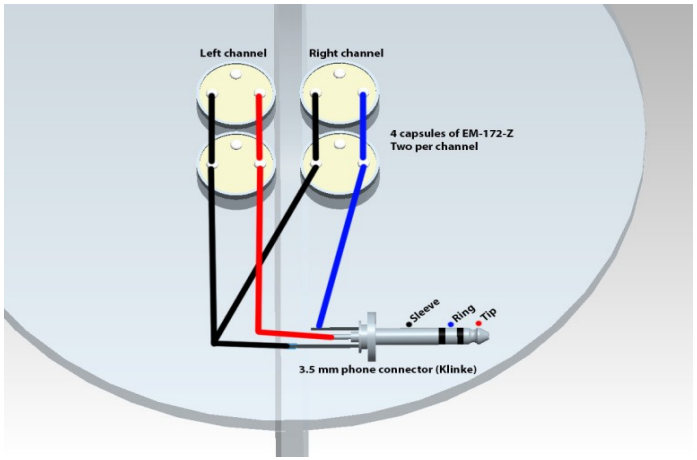
DODOTRONIC

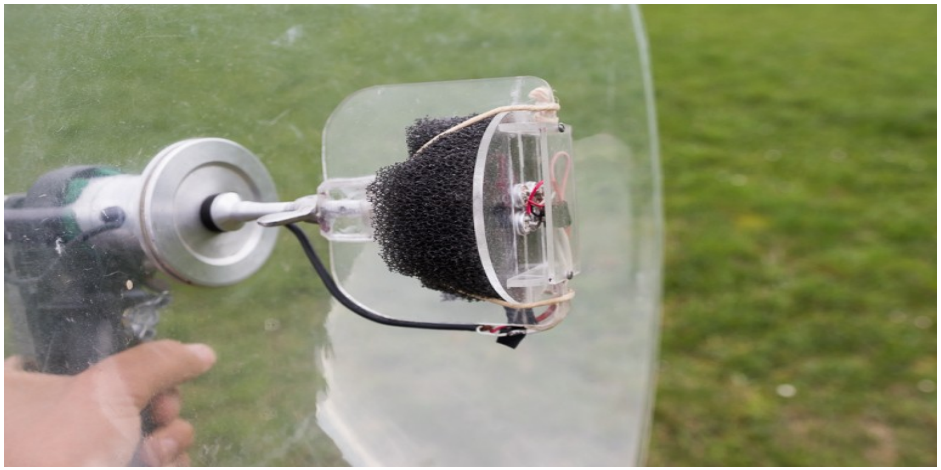
Stéréo

Mono ou sans micros

AVESRARES PARABOLA



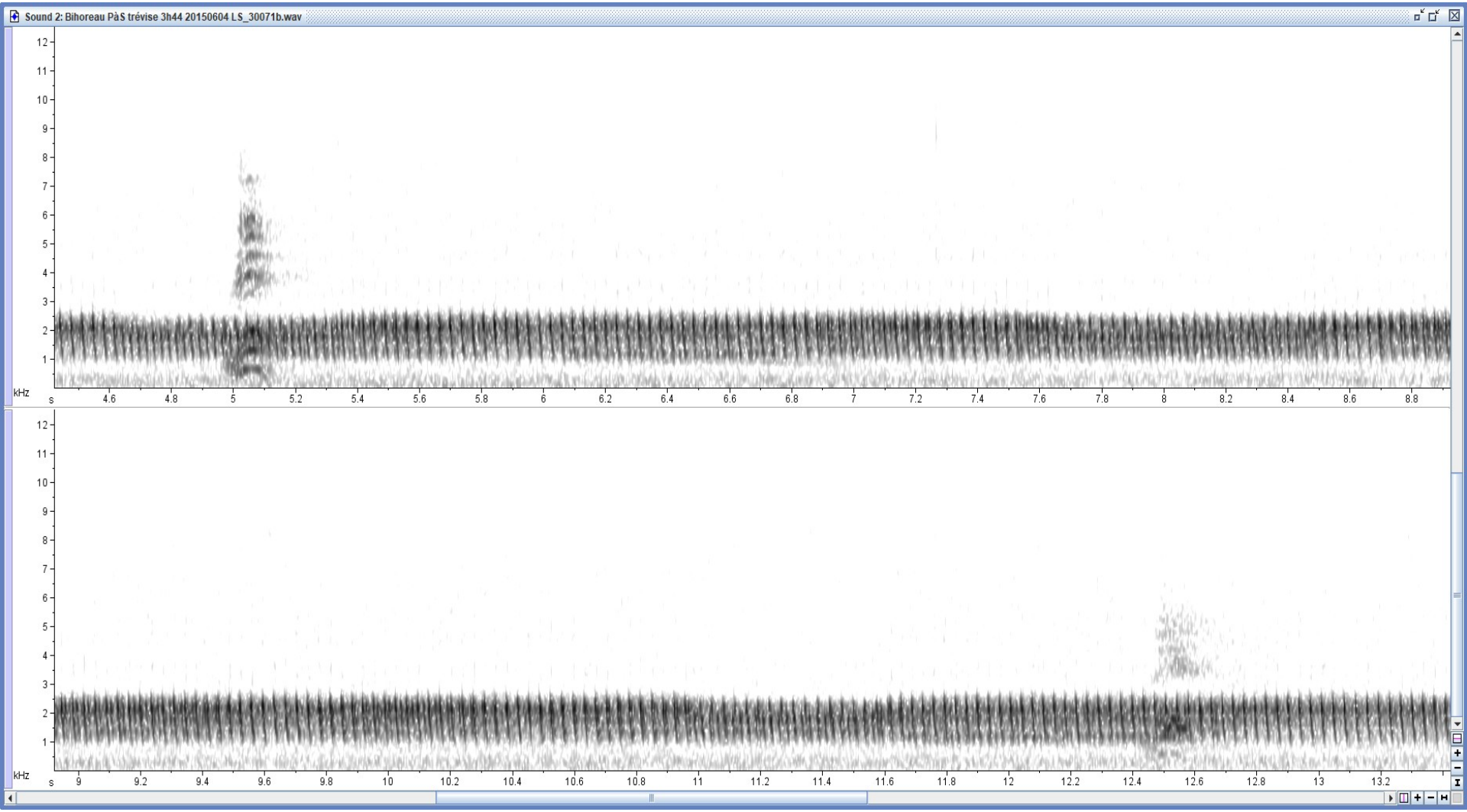




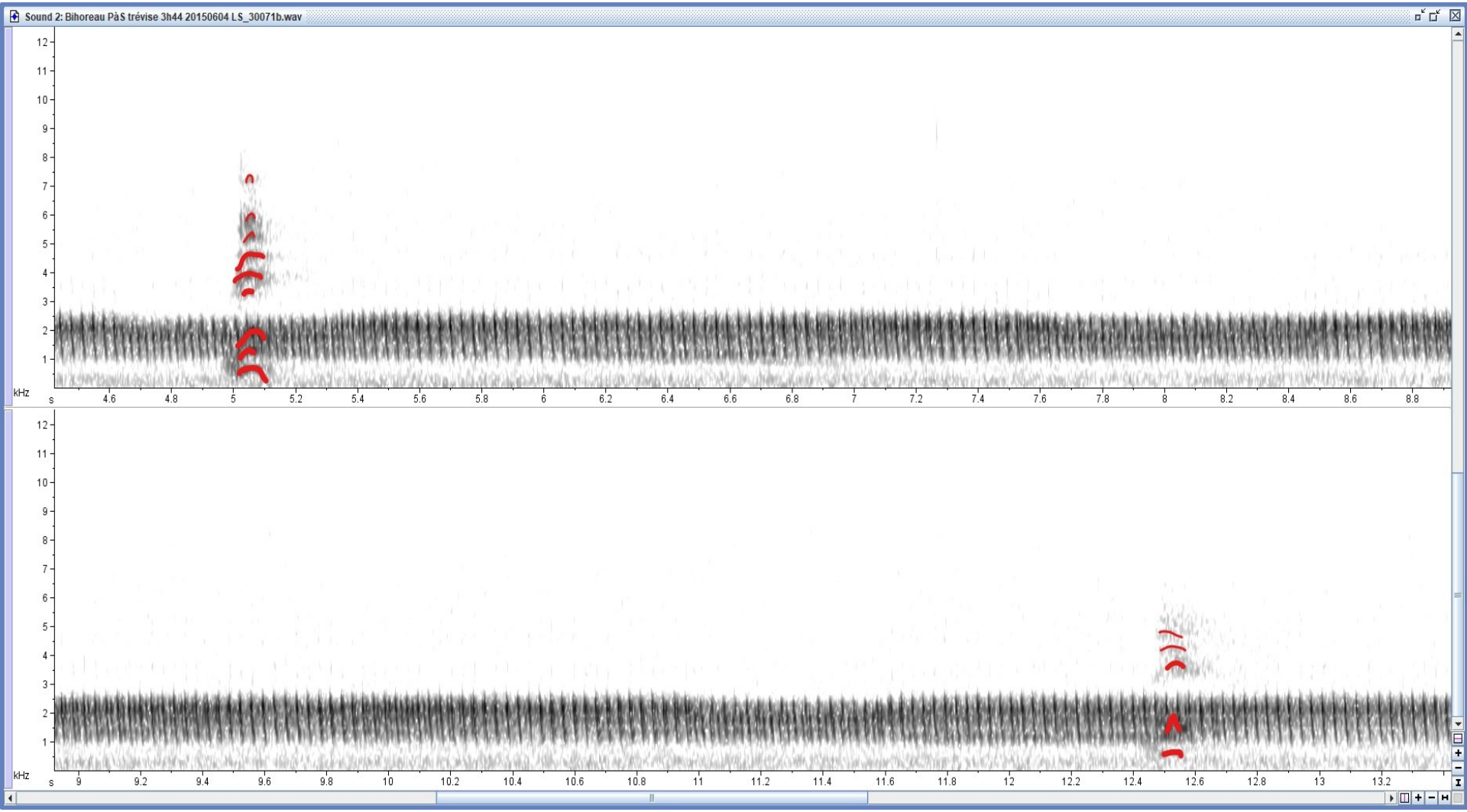
Pièges à son

Pièges à son

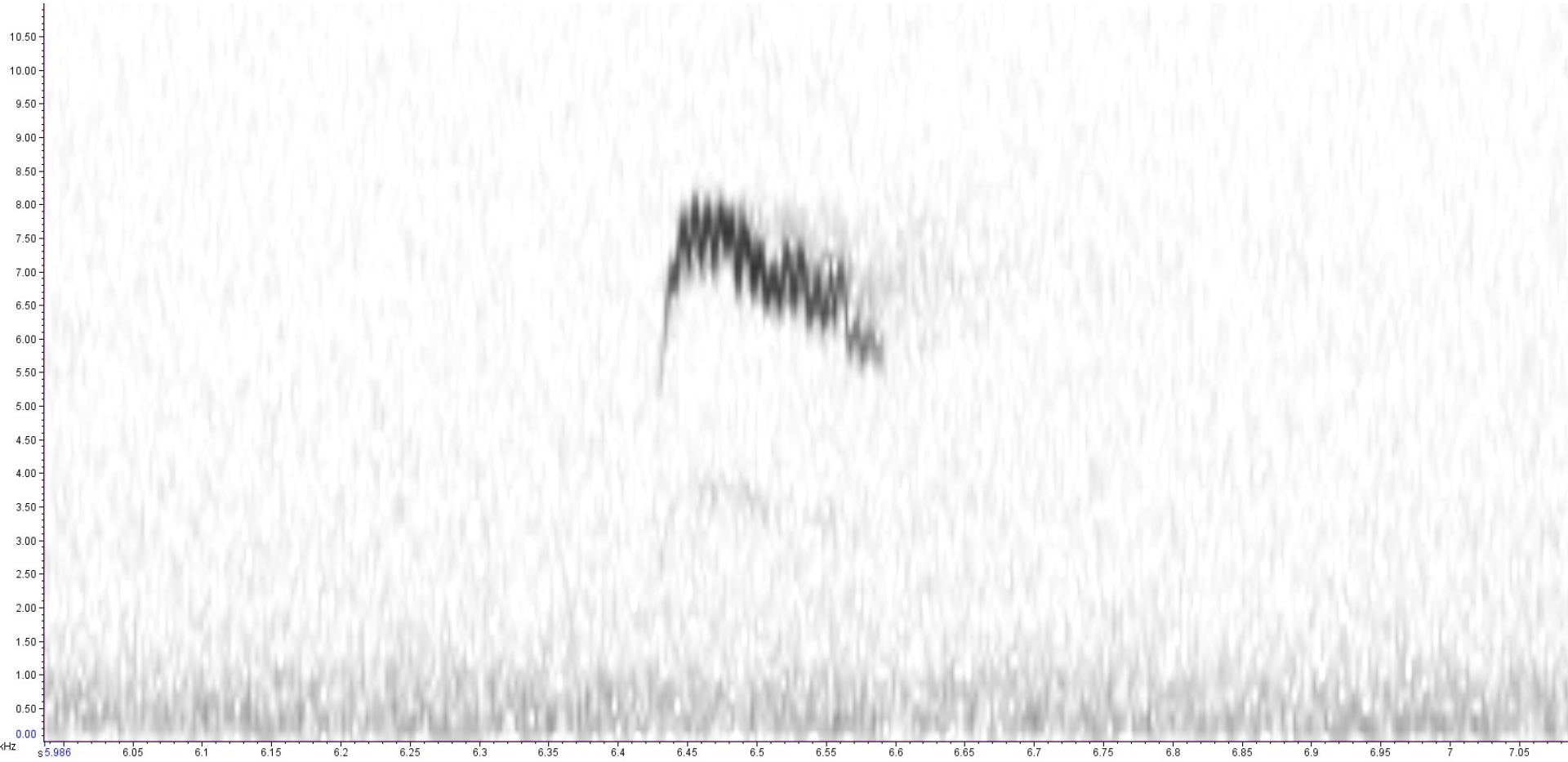
Bihoreau gris et Engoulevent



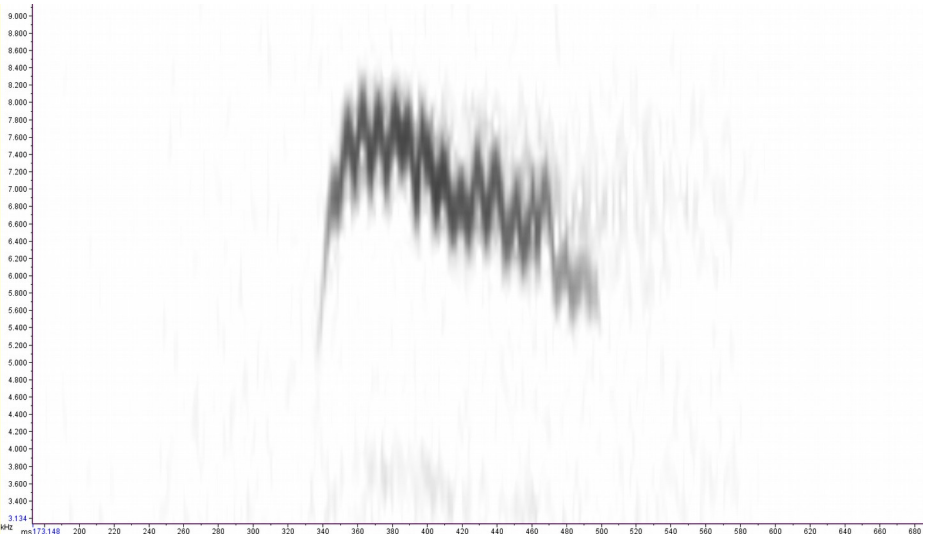
Bihoreau gris et Engoulevent



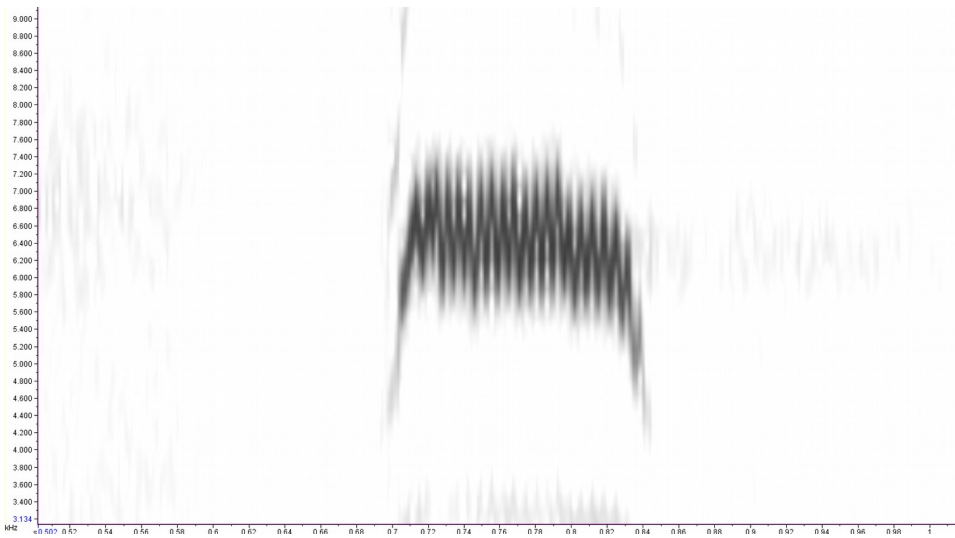
Pipit à dos olive



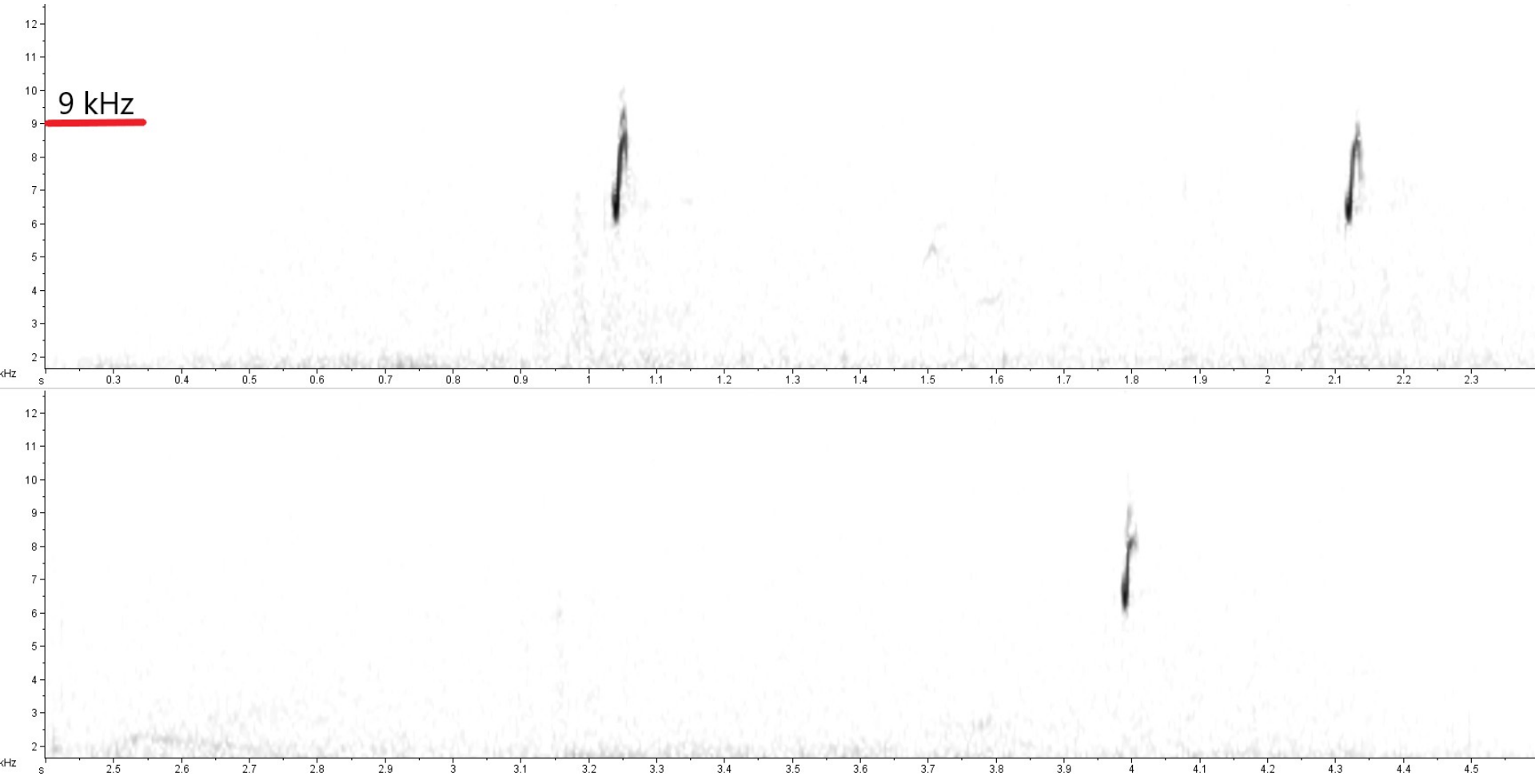
Pipit à dos olive



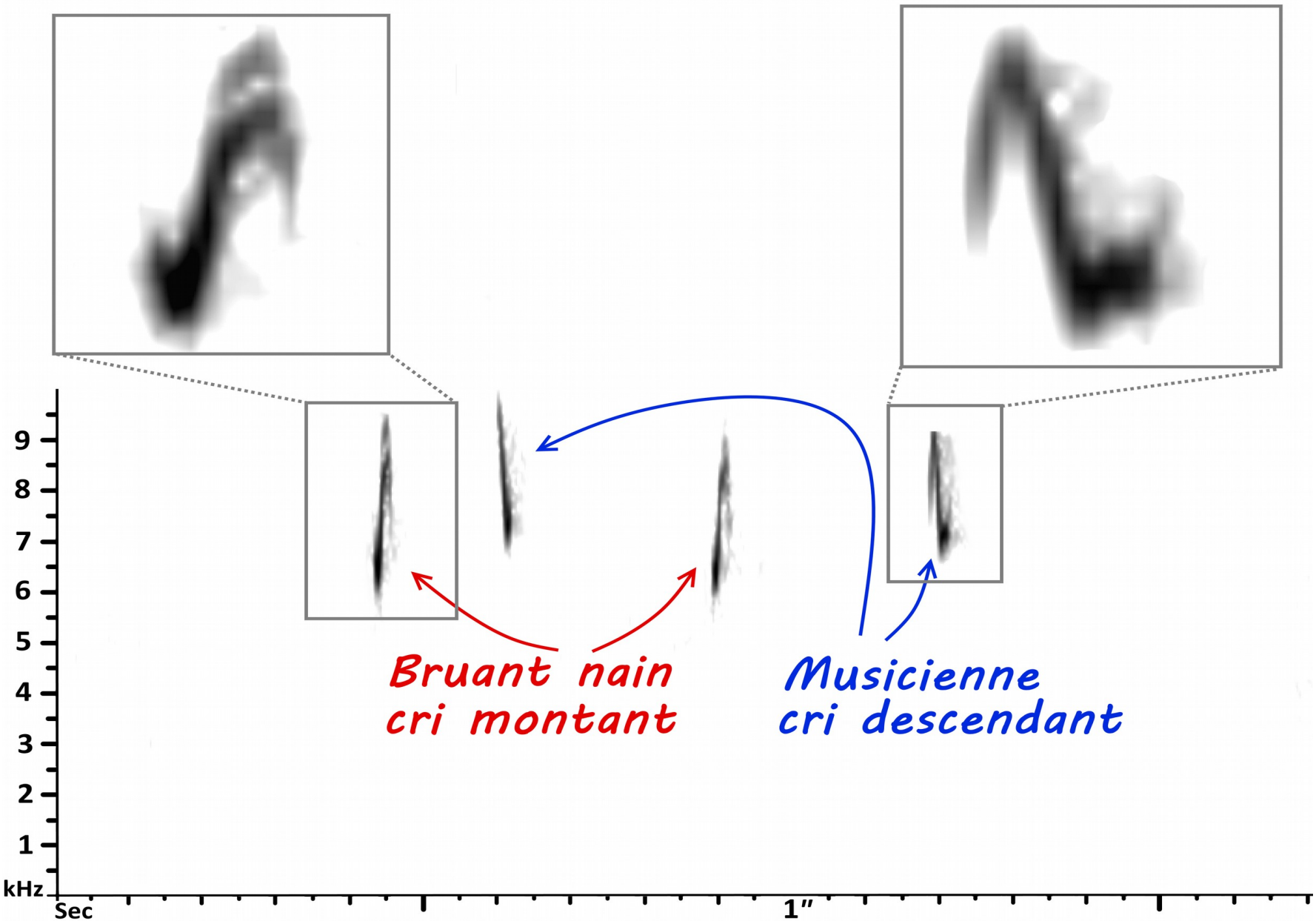
Pipit des arbres



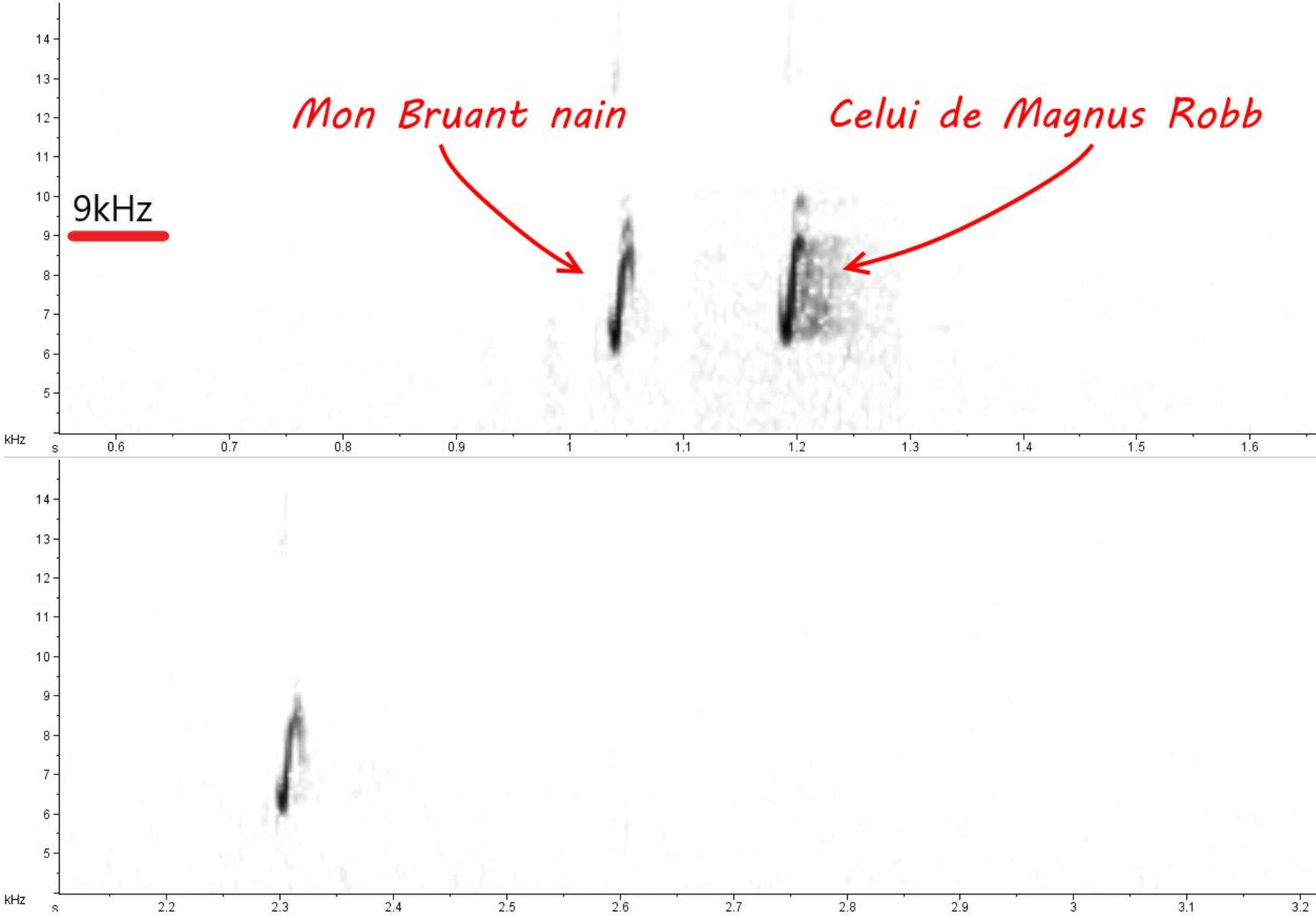
Bruant nain



Bruant nain/Grive musicienne



Bruant nain


Mon Bruant nain
Celui de Magnus Robb
9kHz
kHz
s
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
1.5
1.6
2.2
2.3
2.4
2.5
2.6
2.7
2.8
2.9
3
3.1
3.2

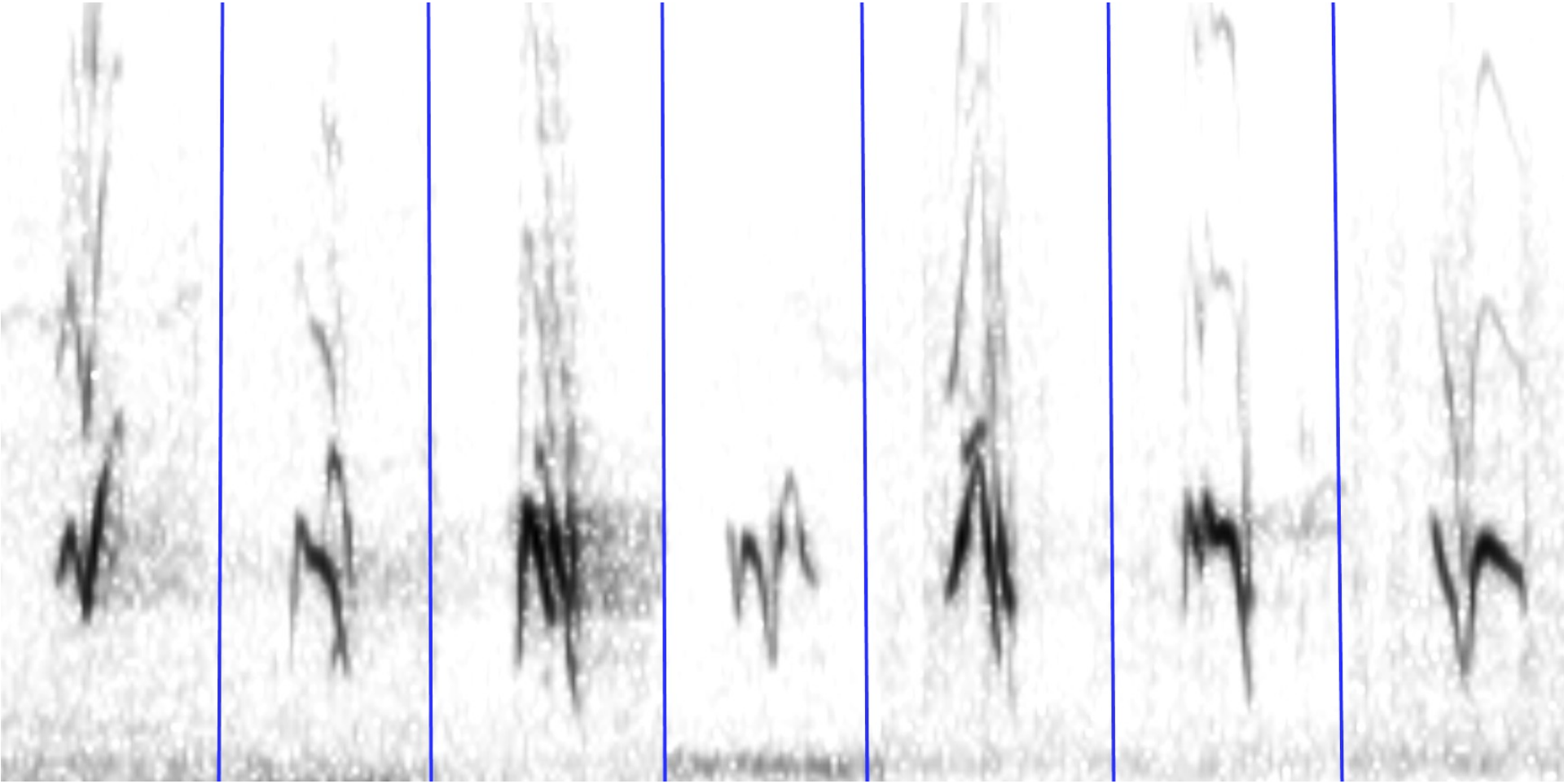
Migration nocturne: Etats-Unis, 1959

Migration nocturne dans mon jardin

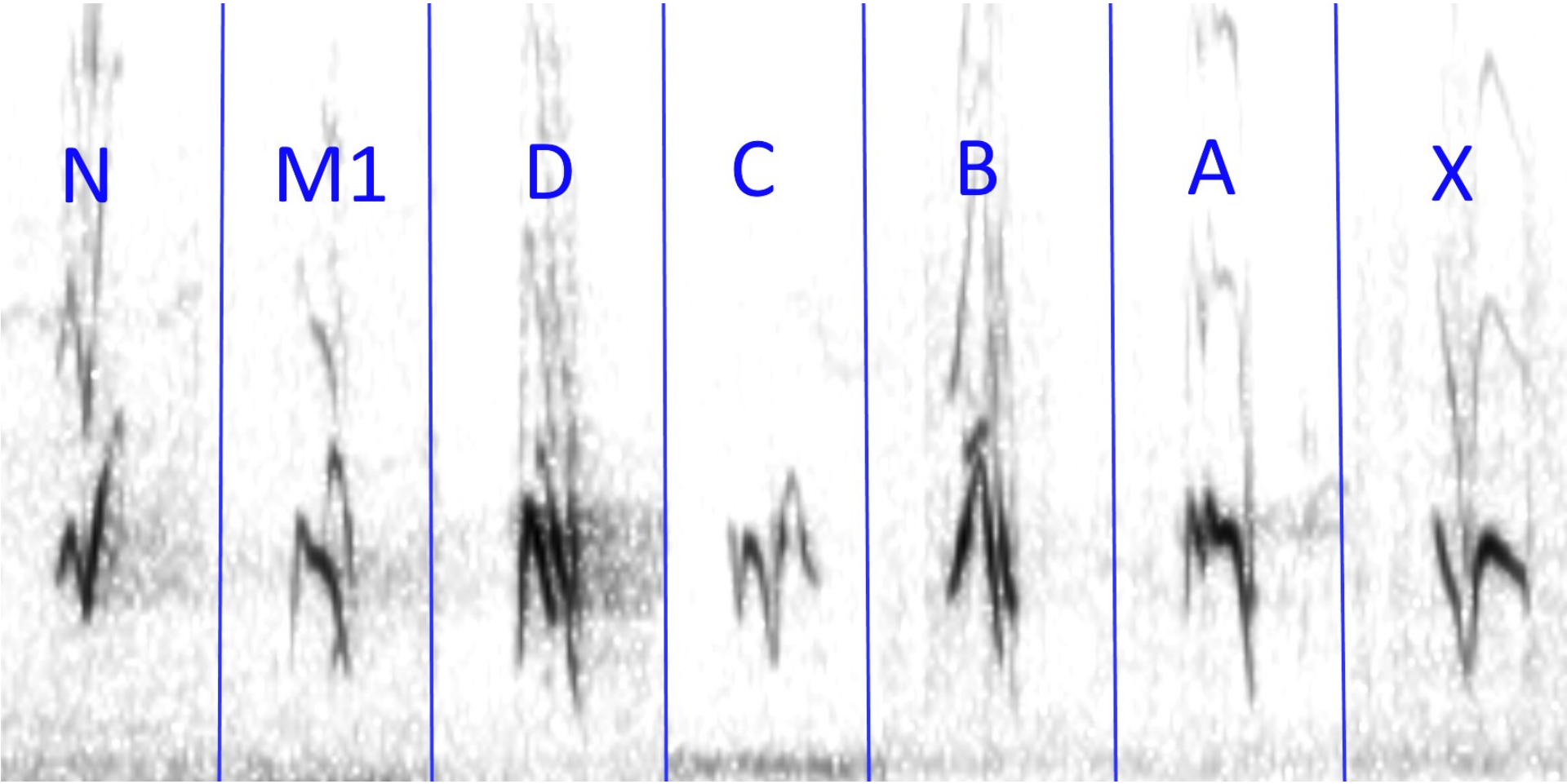
Trektellen : site de comptage d’oiseaux migrateurs

Bec-croisé des sapins

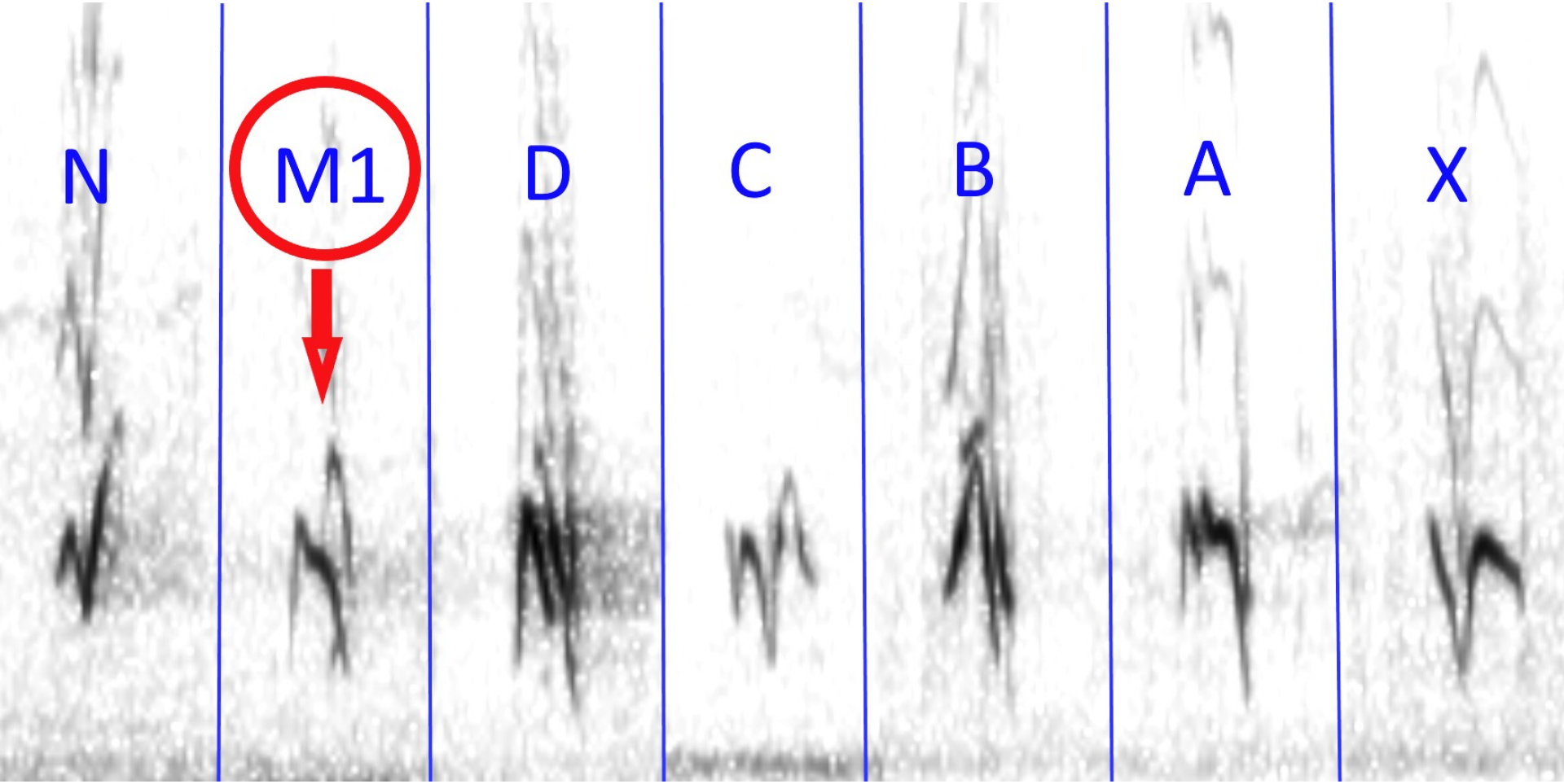
Bec-croisé des sapins
Cris de vol



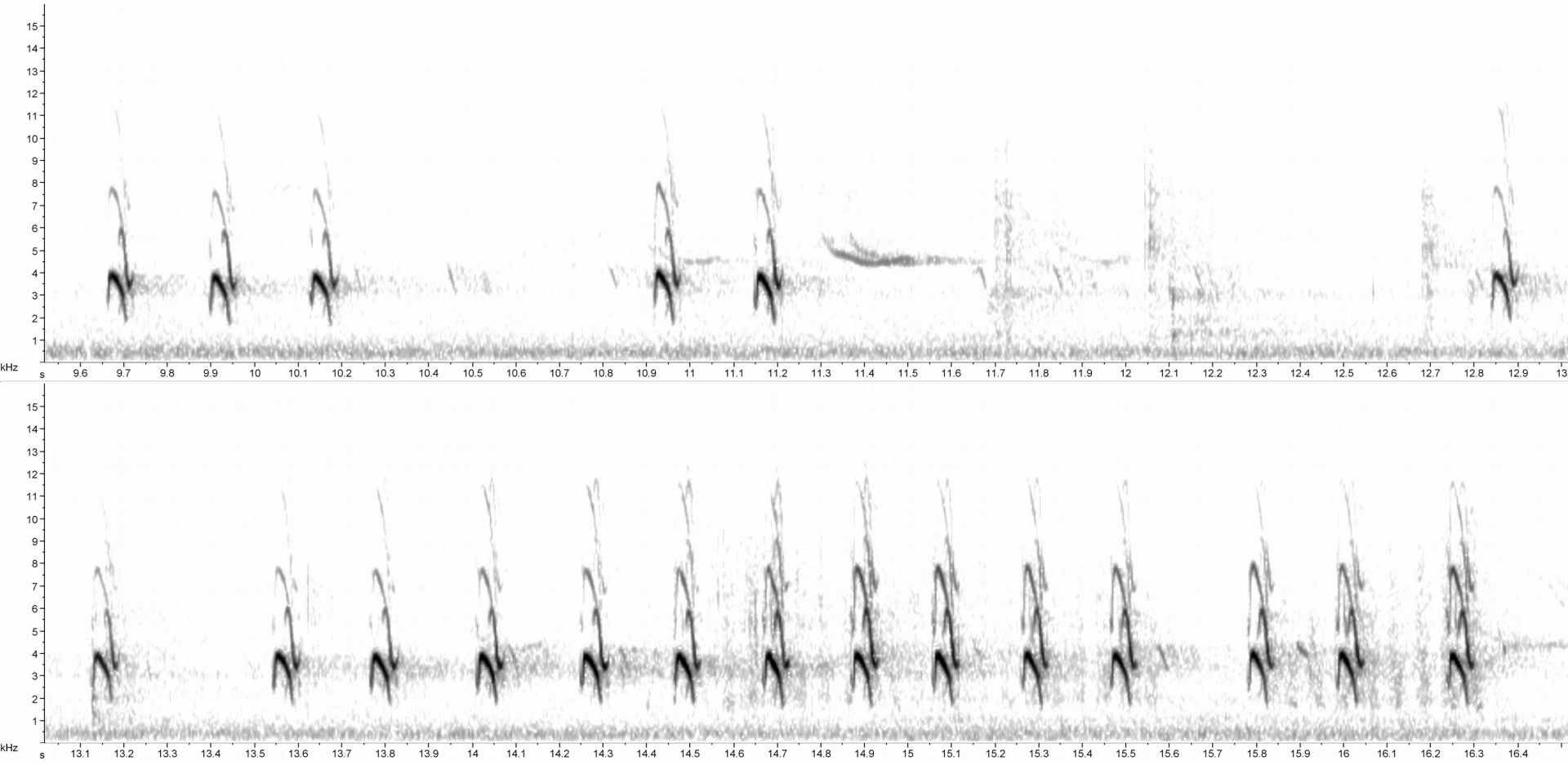
Bec-croisé des sapins
Cris de vol



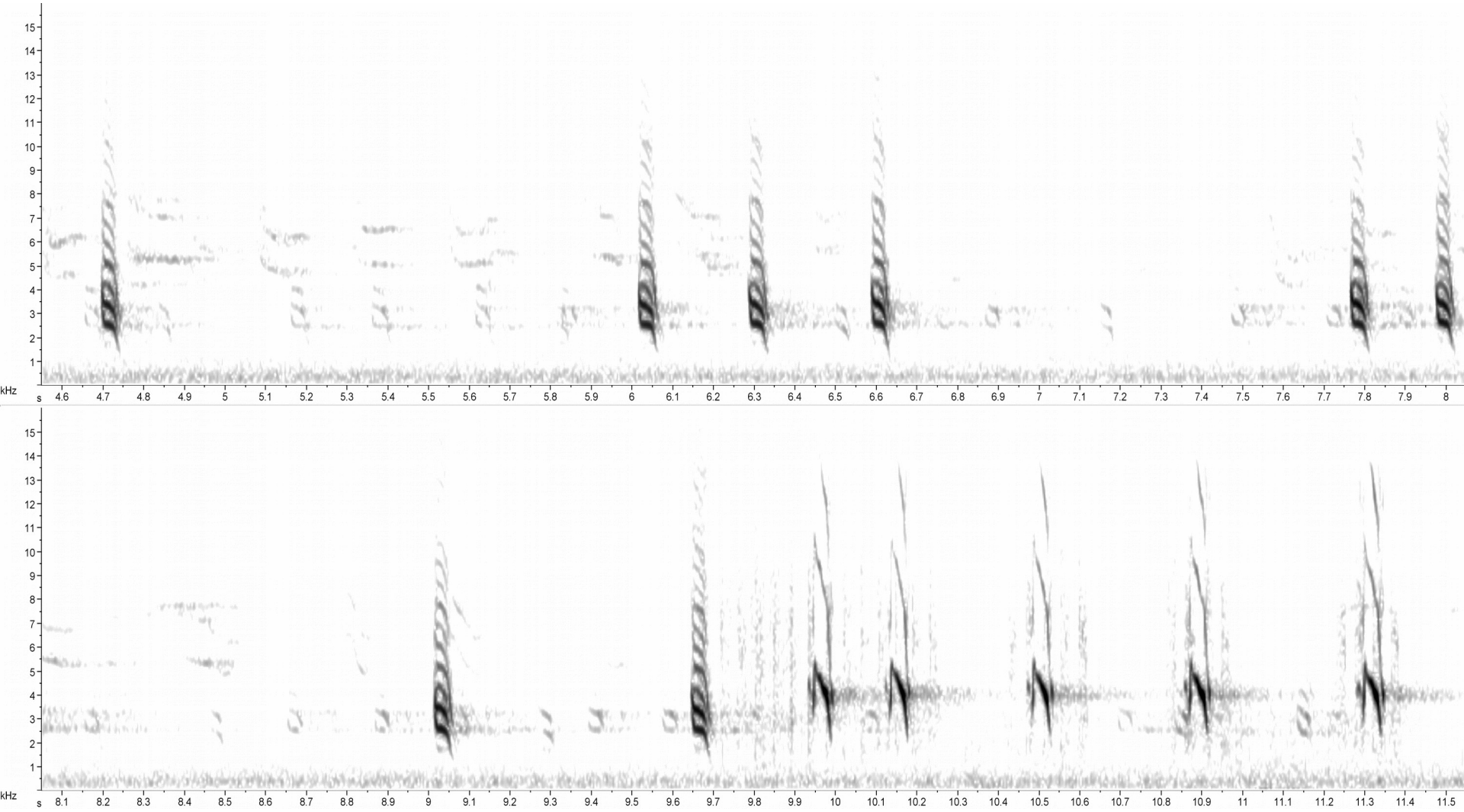
Bec-croisé des sapins
Cris de vol



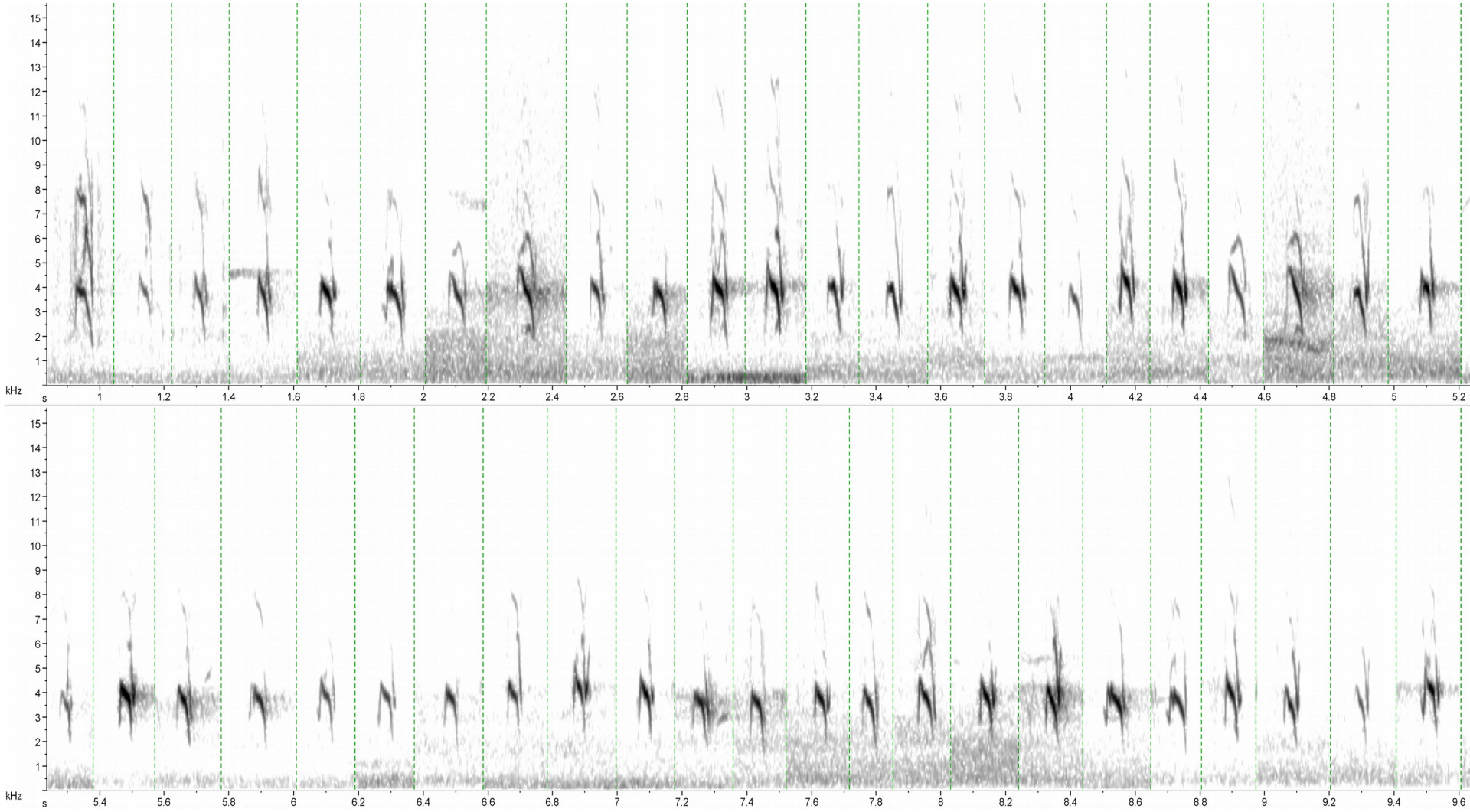
Bec-croisé des sapins de type M1 : cris de vol

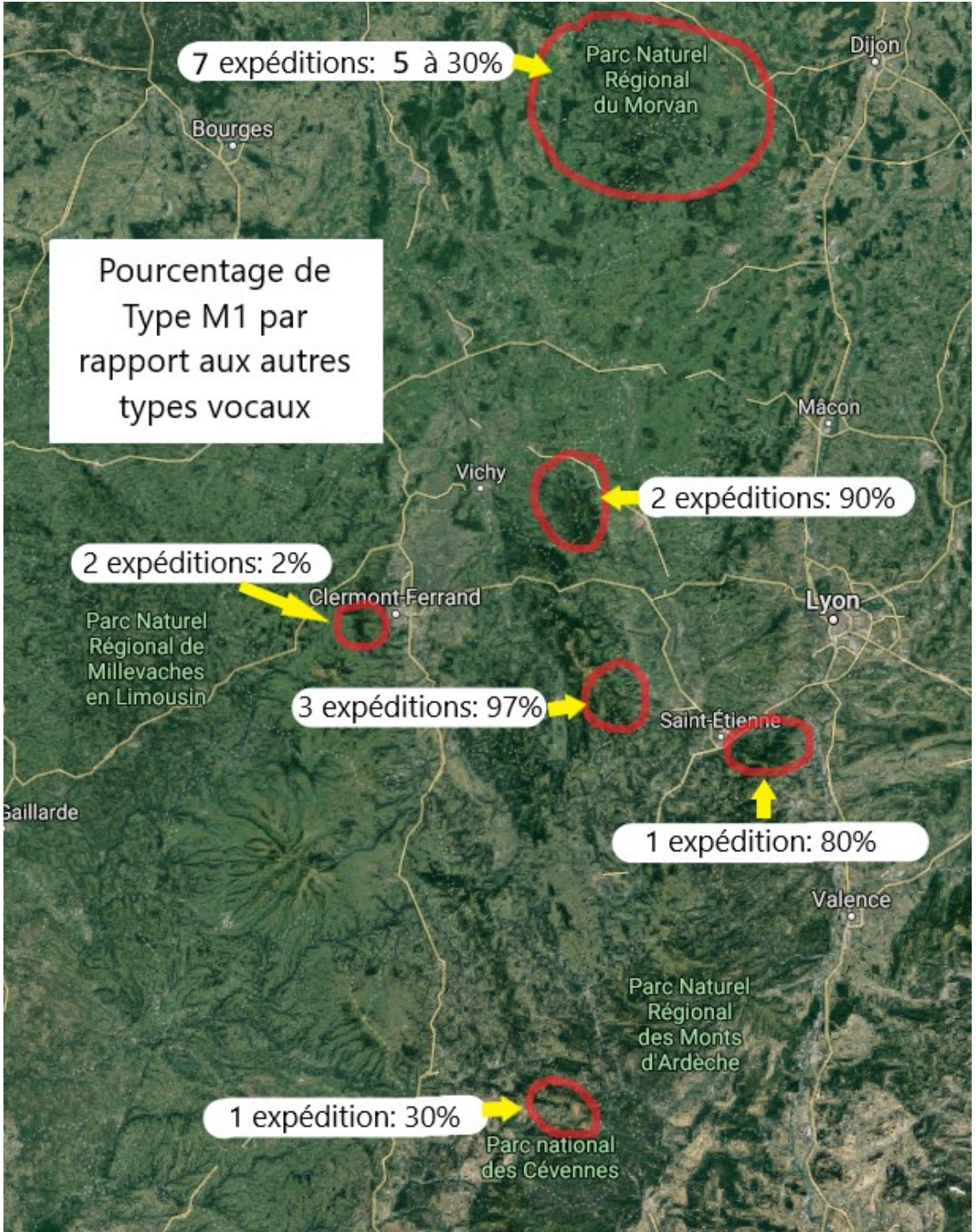


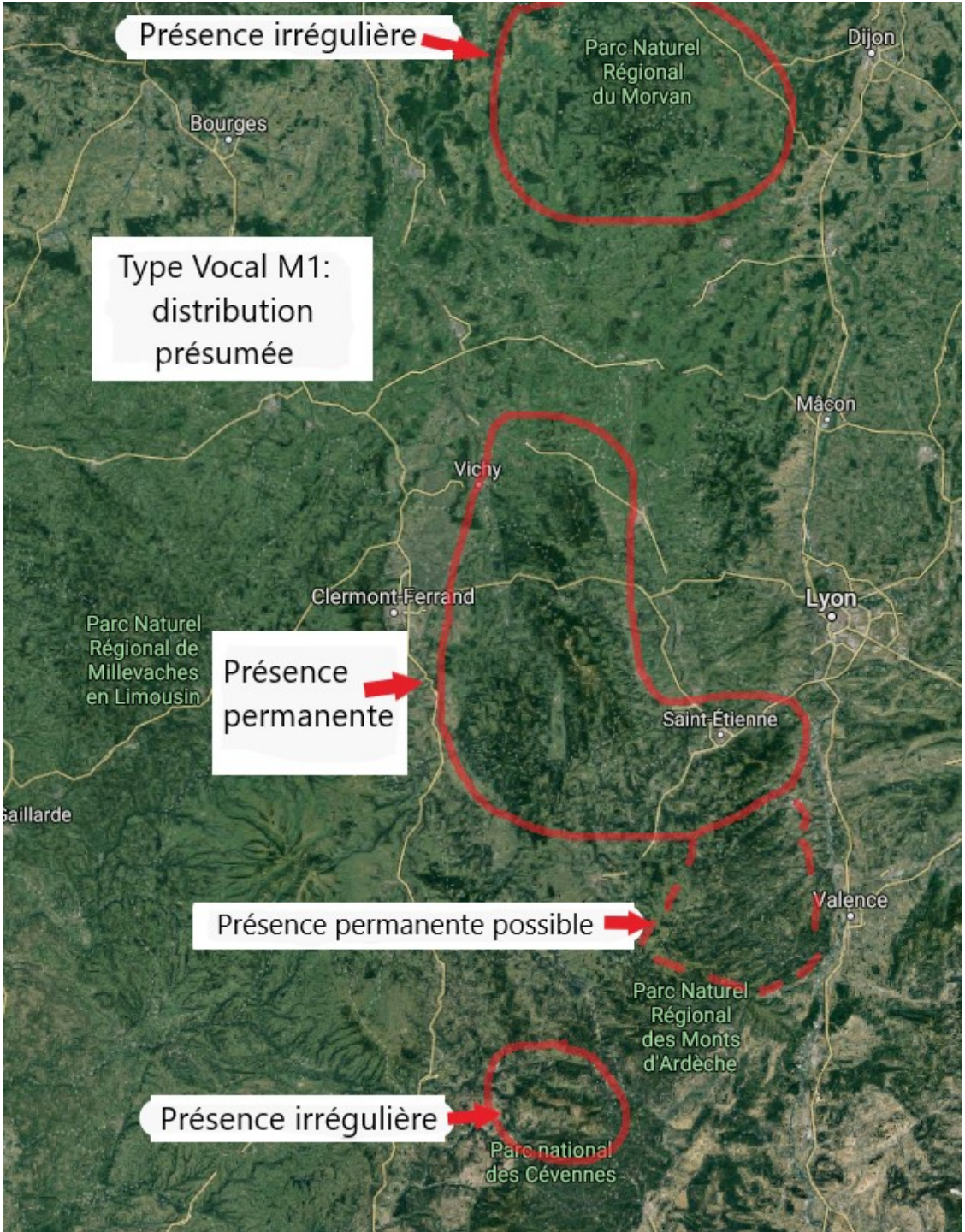
Bec-croisé des sapins de type M1 : cris d'excitation puis de vol



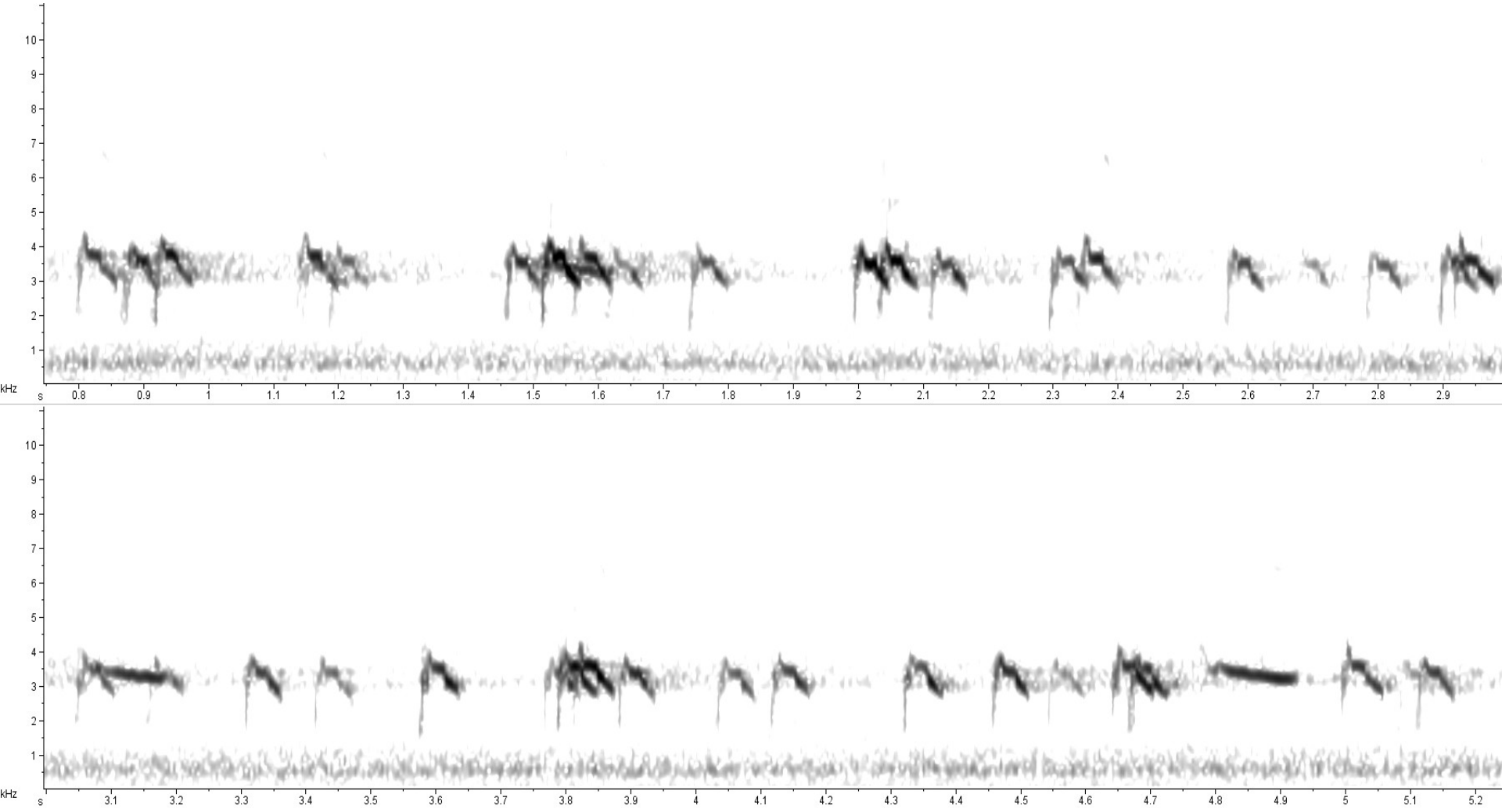
Échantillons de cris de vol de type M1



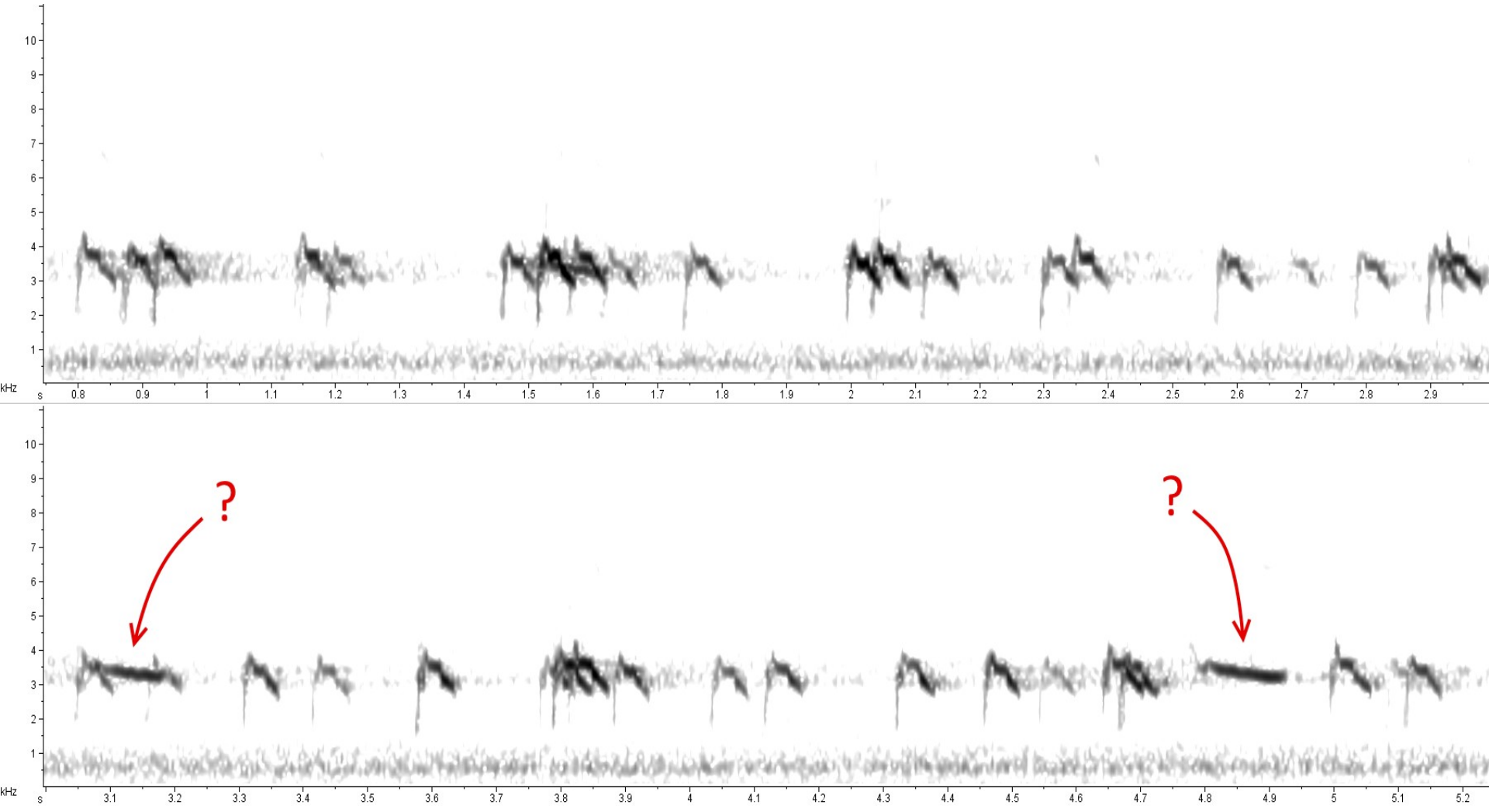
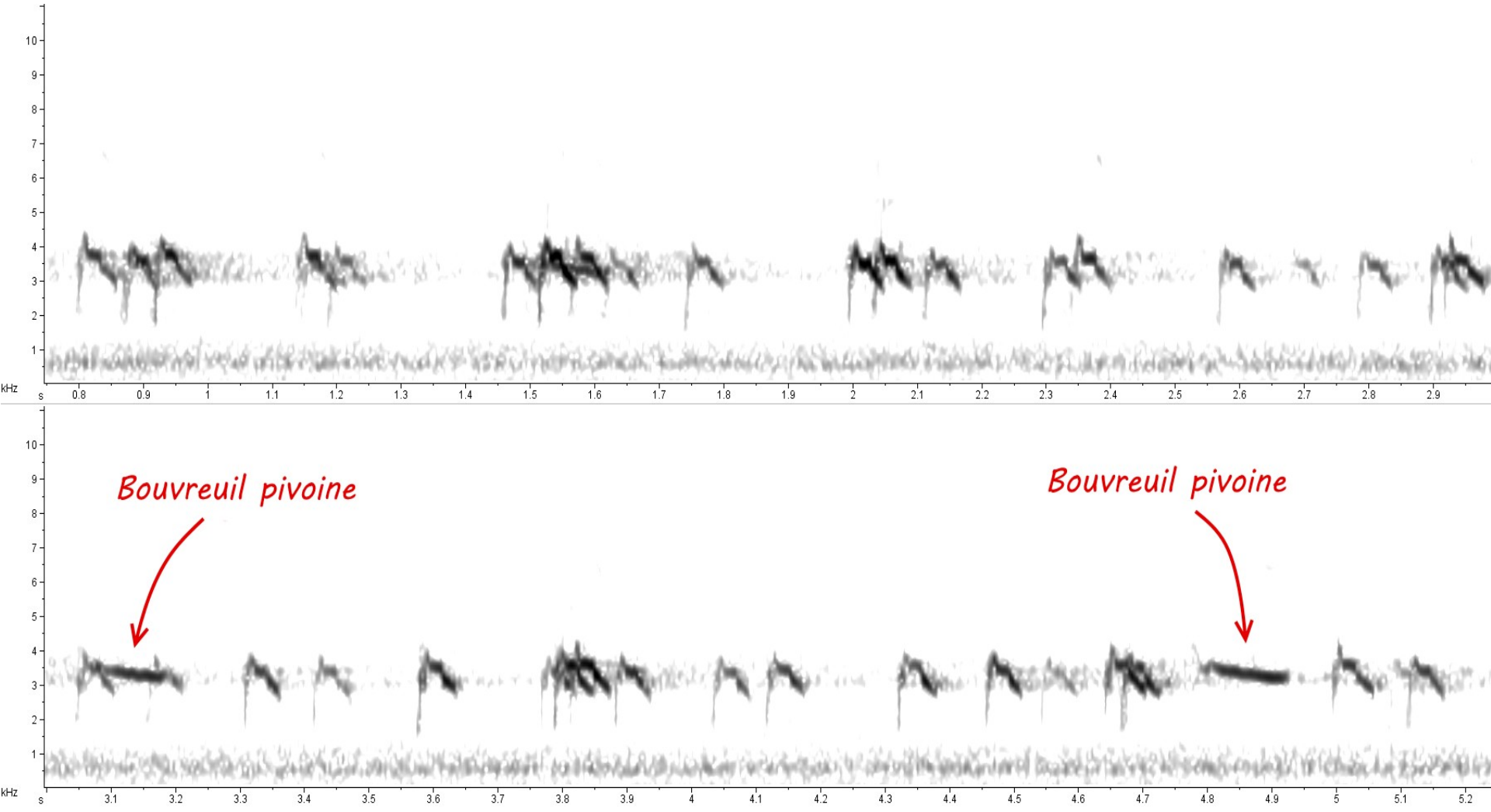

7 expéditions: 5 à 30%
Parc Naturel Régional du Morvan
Dijon
Bourges
Pourcentage de Type M1 par rapport aux autres types vocaux
Mâcon
Vichy
2 expéditions: 90%
2 expéditions: 2%
Clermont-Ferrand
Lyon
Parc Naturel Régional de Millevaches en Limousin
3 expéditions: 97%
Saint-Étienne
1 expédition: 80%
Valence
Parc Naturel Régional des Monts d'Ardèche
1 expédition: 30%
Parc national des Cévennes


Présence irrégulière
Parc Naturel Régional du Morvan
Dijon
Bourges
Type Vocal M1: distribution présumée
Mâcon
Vichy
Clermont-Ferrand
Lyon
Parc Naturel Régional de Millevaches en Limousin
Présence permanente
Saint-Étienne
Valence
Présence permanente possible
Parc Naturel Régional des Monts d'Ardèche
Présence irrégulière
Parc national des Cévennes

Bec-croisé perroquet: cris de vol



Bec-croisé perroquet: cris de vol



Bec-croisé perroquet: cris de vol