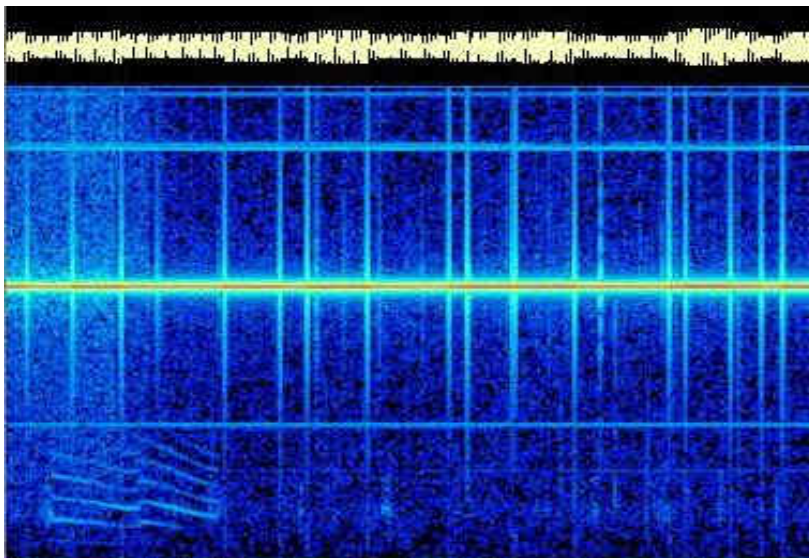


# UNEXPLAINED ULF-ELF SIGNALS GALLERY n°1

This is the first of a session series on the ELF and ULF band reception. This session is a collection of signal received with Horizontal loop of 2100 square meters, Marconi T antenna (11m high, 45m top) and 70m earth dipole (North/South oriented). And then analyzed with Spectrogram. In some cases the origin can be deduced: frequency constant tones and of definite length are likely of human origin, while variable signals in frequency and power or at wide band are probably connected to natural phenomena. All the reception was made at home, in the country. Therefore each spectrogram shows a big 50 Hz tone of main power.

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061099-2106

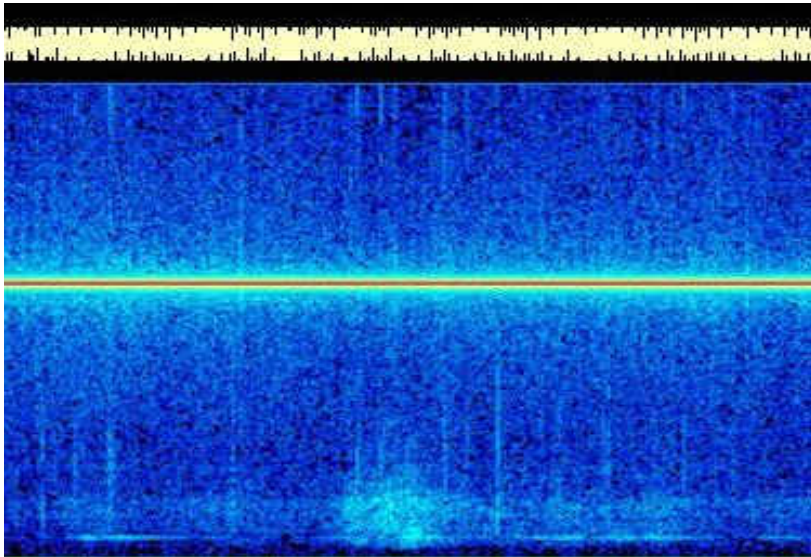
Spectrogram of 270" in a 0-86 Hz band.  
Received with horizontal loop 2100 sq. m.  
Analyzed with spectrogram

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PC monitor carrier at 85 Hz, tone at 74 and 26 Hz.  
Weak tone at 17 Hz and strange 1 min. signal below 25 Hz, in the left part of the picture.

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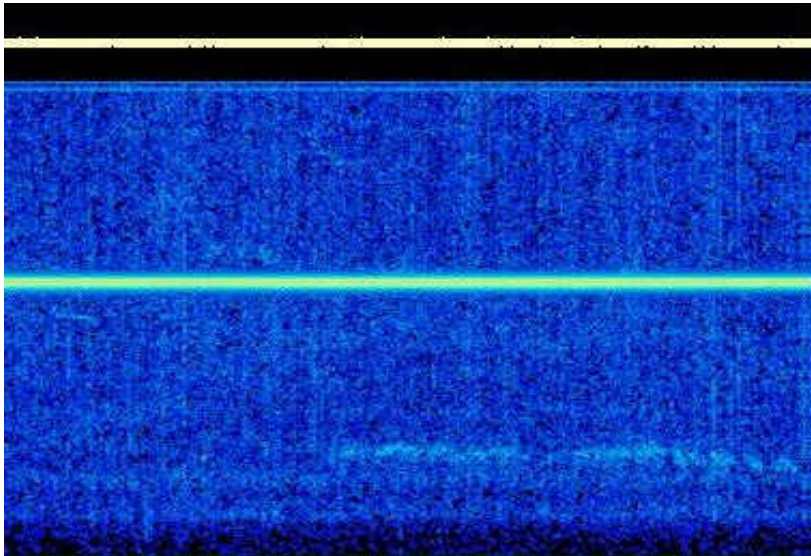
181099-0242



Spectrogram of 270" in a 0-86 Hz band.  
Received with horizontal loop 2100 sq. m.  
Analyzed with Spectrogram.

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Weak and variable tone at 4 Hz.  
Wide band noise of 30 sec. in a 2-25 Hz band.



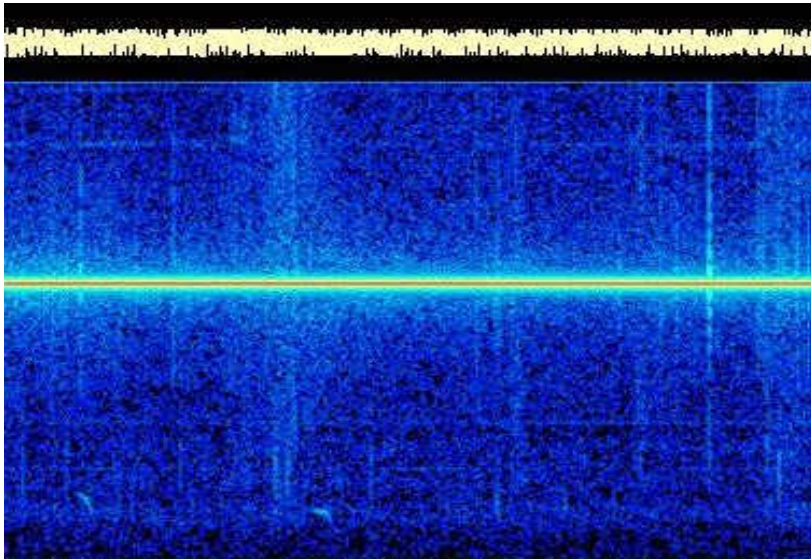
131099-1924

Spectrogram of 270" in a 0-86 Hz band.  
Received with a Marconi T antenna.  
Analyzed with Spectrogram.

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In the left part of the spectrogram weak tone  
of 15 sec. (45 Hz to 42 Hz).  
In the right part, below 50 Hz tone and between  
2st. and 3st. Scumann resonances, signal of 2'  
30", with 4 Hz band.

111099-2026



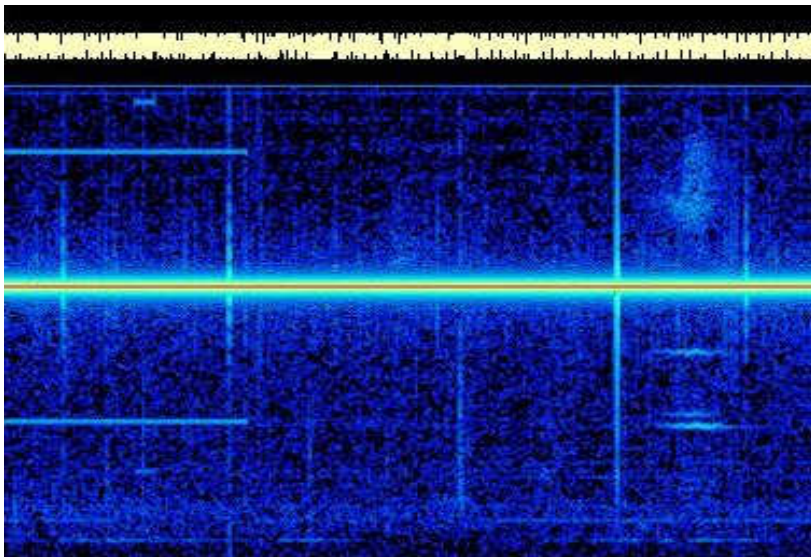
Spectrogram of 270" in a 0-86 Hz band.  
Received with horizontal loop 2100 sq. m.  
Analyzed with Spectrogram.

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Two little hooks of about 10 secs. each.  
The first starts at 12 Hz and finishes to 8 Hz. The  
second starts at 9 Hz and finishes to 6.5 Hz.  
These signals are frequently during the sunrise  
and the sunset.

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181099-1416



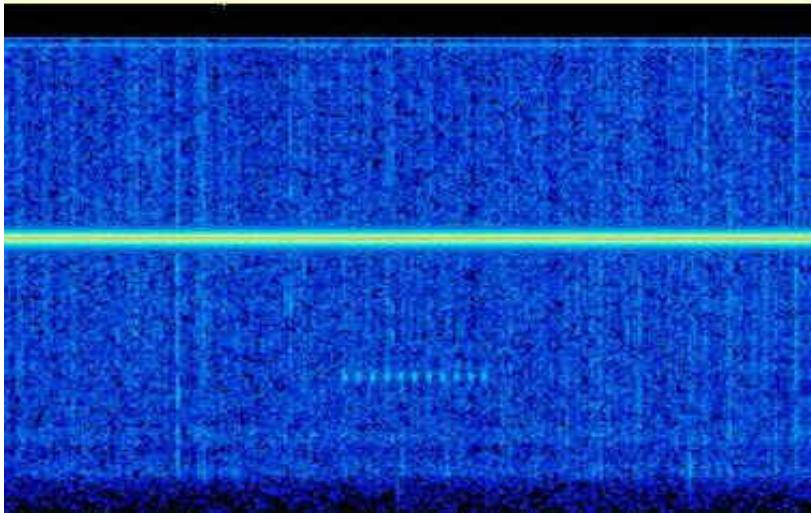
Spectrogram of 270" in a 0-86 Hz band.  
Received with horizontal loop 2100 sq. m.  
Analyzed with Spectrogram.

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In the lowest part of the pitch weak tones at 4 Hz  
and 8 Hz. In the left part of the spectrogram two  
couple of simmetric signals to the 50 Hz  
frequency main, at 26/74 Hz and 18/83 Hz.  
In the right part strange tone of 16 " at 25 Hz,  
26.5 Hz and 38 Hz modulated in frequency of 1  
Hz, and wide band noise from 60 to 80 Hz in  
correspondence.

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091099-1640



Spectrogram of 270" in a 0-86 Hz band.  
Received with Marconi T antenna.  
Analyzed with Spectrogram.

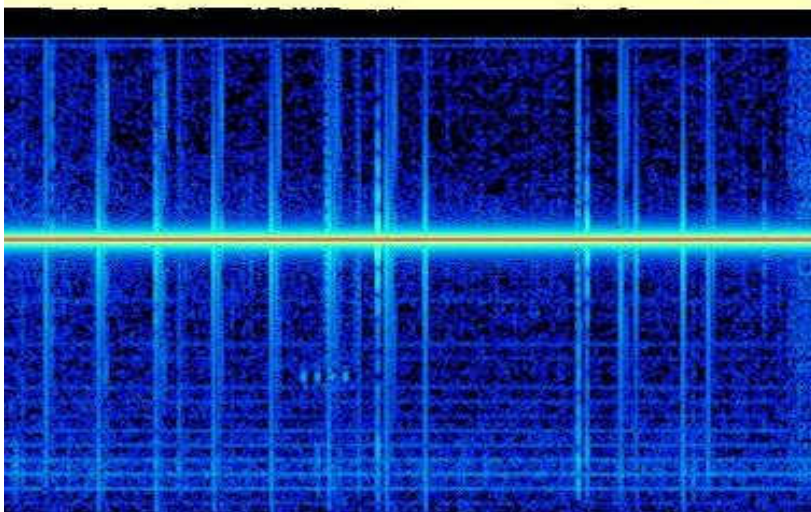
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Strange signal at 25 Hz, composed by 11 tones  
of 1.5" spaced by 2.2" about. Receivable only in  
vertical polarization and with ground dipole  
(nothing with the horizontal loop).

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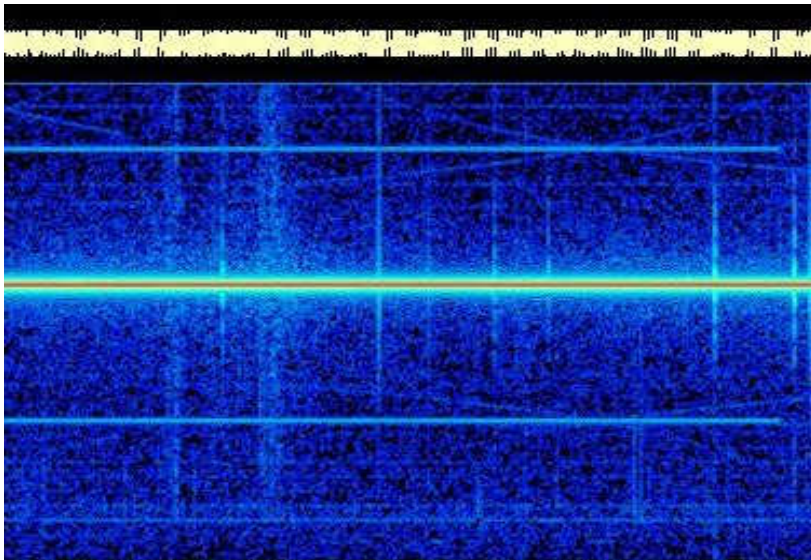
221099-1934



Spectrogram of 270" in a 0-86 Hz band.  
Received with ground dipole of 70m (N/S  
oriented).  
Analyzed with Spectrogram.

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Similar to the first but received with ground  
dipole: 4 tones at 25 Hz. Also present weak  
tones at 2.6 Hz, 5.2 Hz, 7.8 Hz, 10.4 Hz etc.



191099-2346

Spectrogram of 270" in a 0-86 Hz band.  
Received with horizontal loop 2100 sq. m.  
Analyzed with Spectrogram.

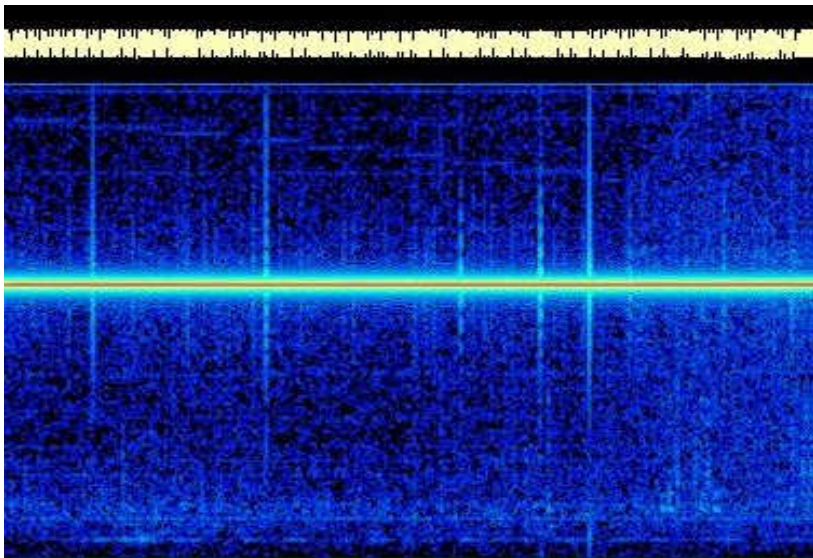
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Strange and weak signal, similar to circle draft  
across the 26 and 74 Hz tones. Specular in the  
upper and lowest part of the pitch. Probably  
connected to the main power.

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181099-1236

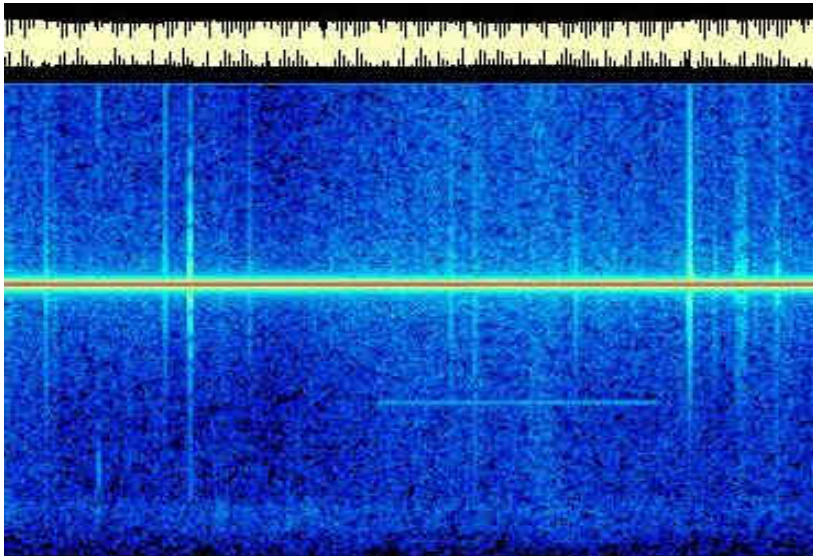
Spectrogram of 270" in a 0-86 Hz band.  
Received with horizontal loop 2100 sq. m.



Analyzed with Spectrogram.

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The signals start from the left part of the pitch at 80 Hz: 8 tones of 20" at 80, 78, 76, 74, 72, 70, 68 and 66 Hz. Unexplained.



081099-1755

Spectrogram of 270" in a 0-86 Hz band.  
Received with horizontal loop 2100 sq. m.  
Analyzed with Spectrogram.

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28 Hz tone of 70 seconds, clear and without harmonics. Not present in vertical polarization.

111099-0609

Spectrogram of 270" in a 0-86 Hz band.  
Received with a Marconi T antenna.  
Analyzed with Spectrogram.

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Weak 60 Hz tone of 75 seconds. Some statics  
and Schumann resonances.

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