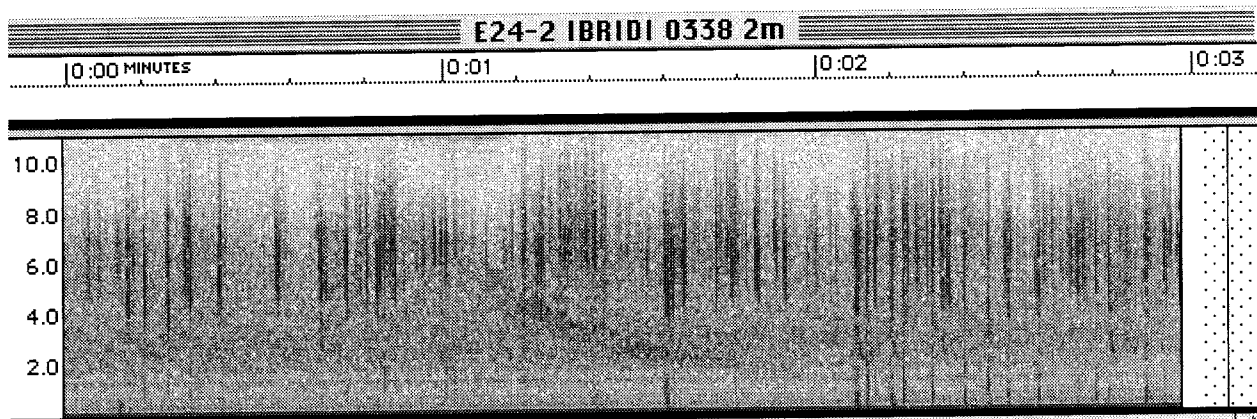
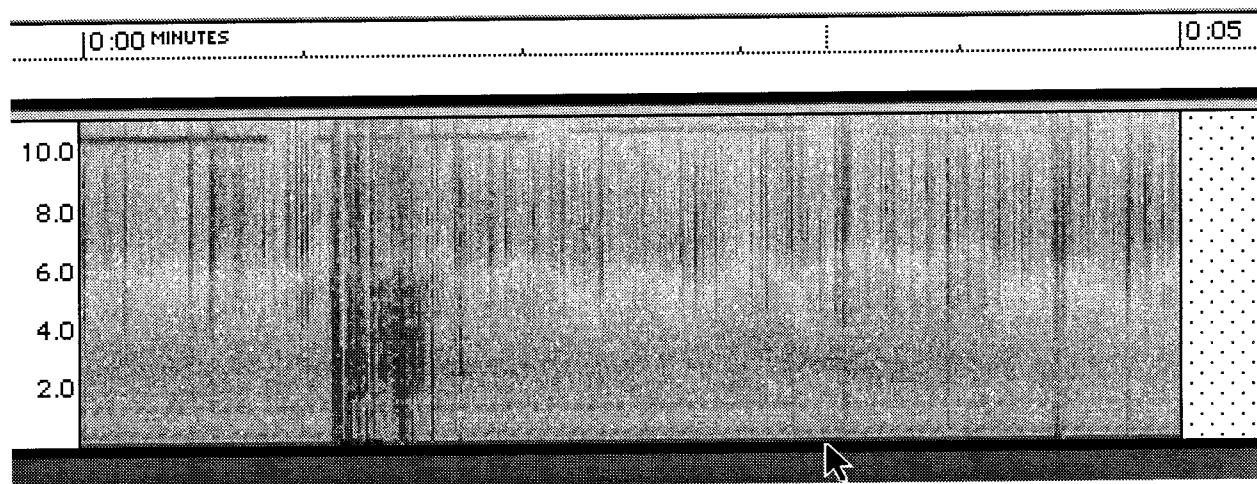
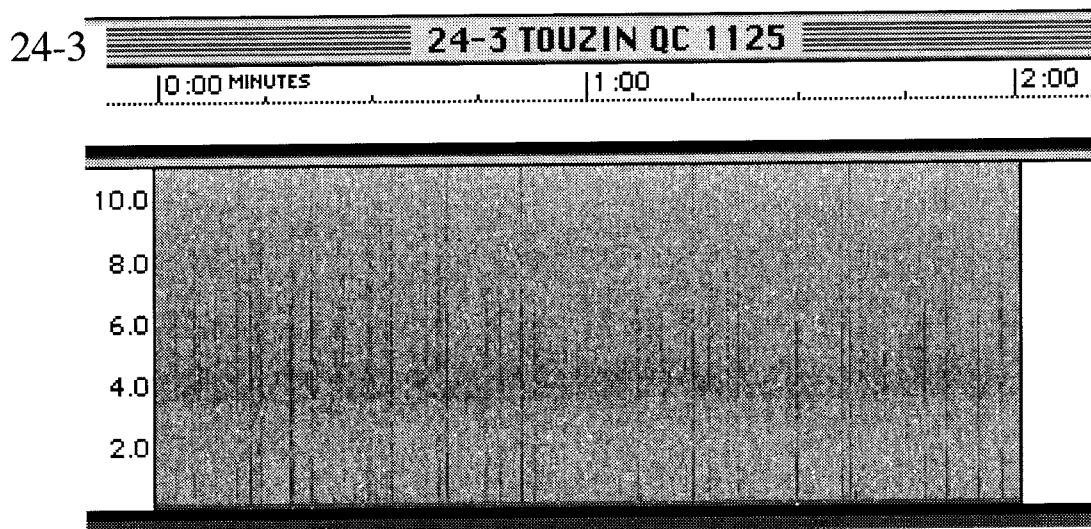




Nice whistler at 0338:19 UT. Whistler is dispersed from :01 s to :02 s.

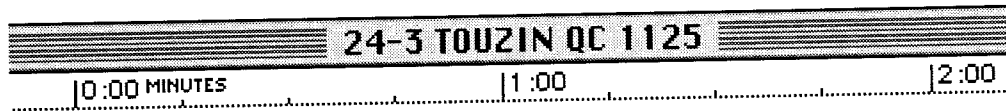


0345:20 UT Faint whistler from :03-:04 s.
May be two-hop whistler originating from sferics at :01-:02 s.

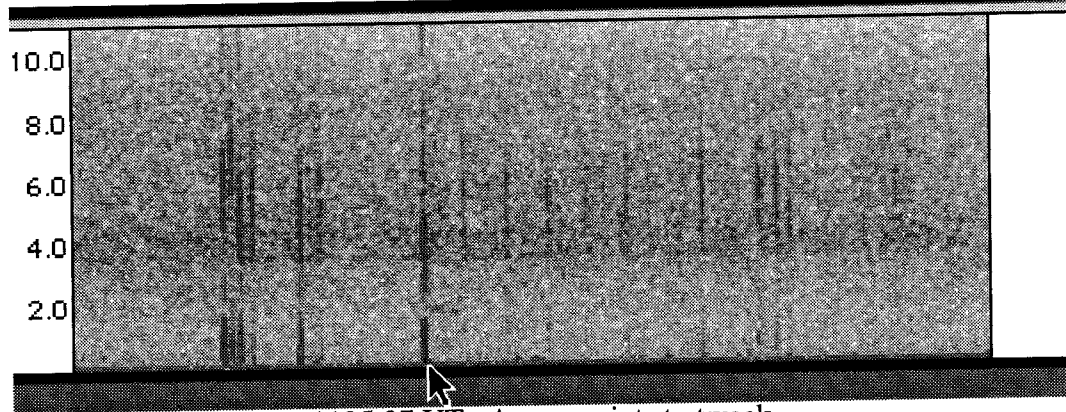
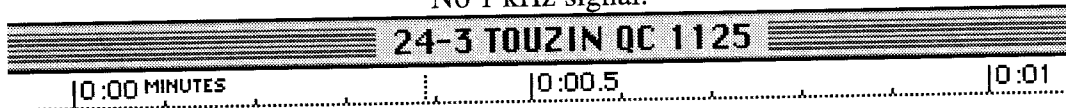


Jean-Claude Touzin, St. Vital, Quebec, CANADA
Fairly dense sferics.

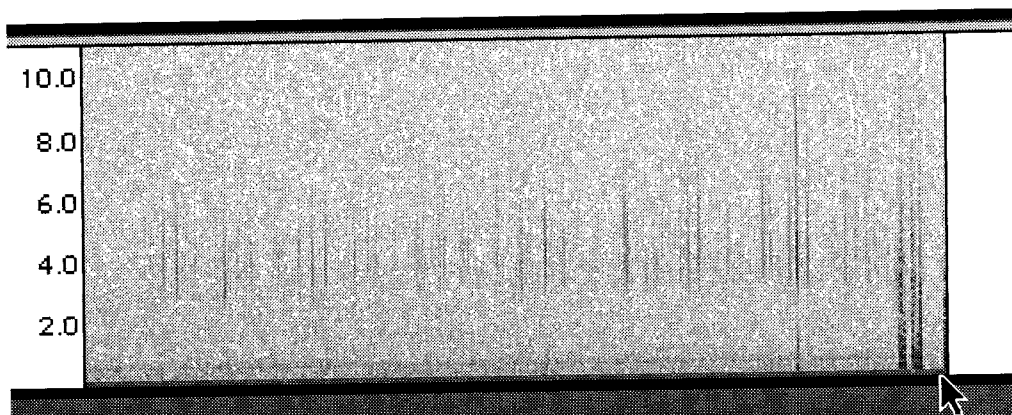
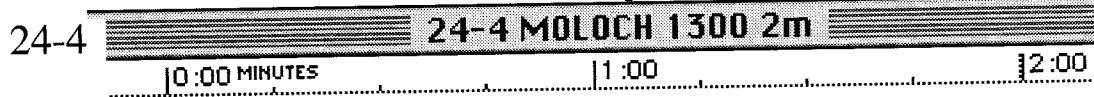
Team 5



No 1 kHz signal.



1125:37 UT Arrow points to tweek.

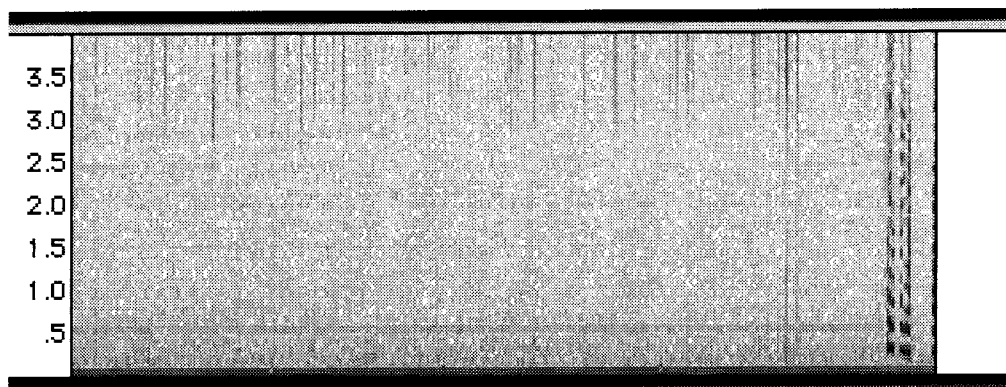


Robert Moloch, Eastern Elementary School, Greentown, IN
Sferics present. Arrow points to voiceprint of "mark" at 1302 UT.

Team 9

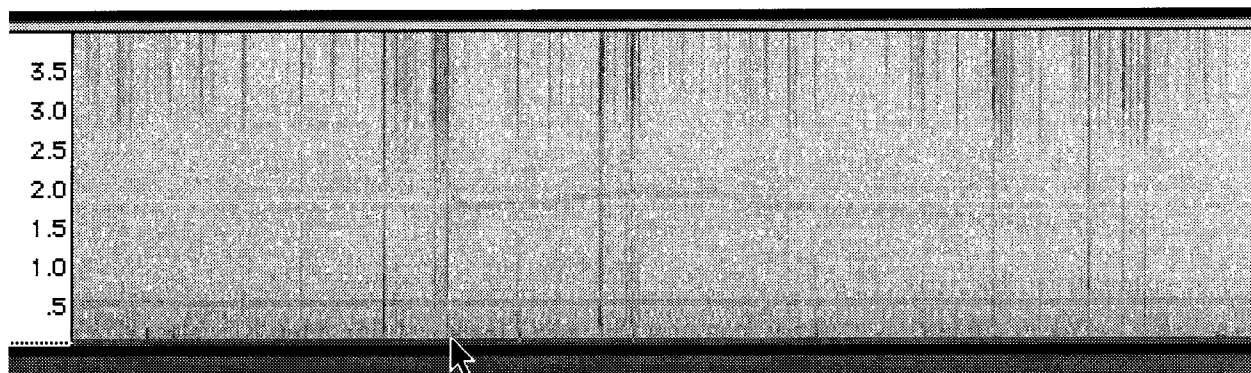
24-4 MOLOCH 1300 2m

0:00 MINUTES 1:00 2:00



some manmade signal at about 500 Hz. No 1 kHz signal detected.

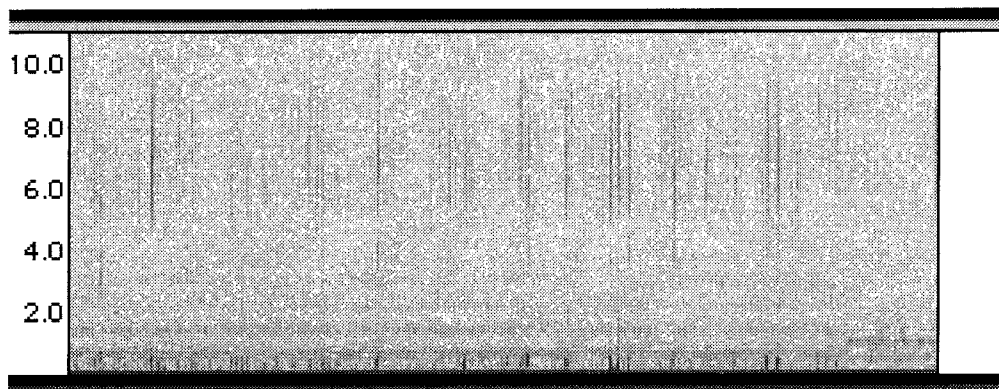
0:00 MINUTES 0:30



Wavering tone starts at arrow. This is the signal from the ignition system of a car.

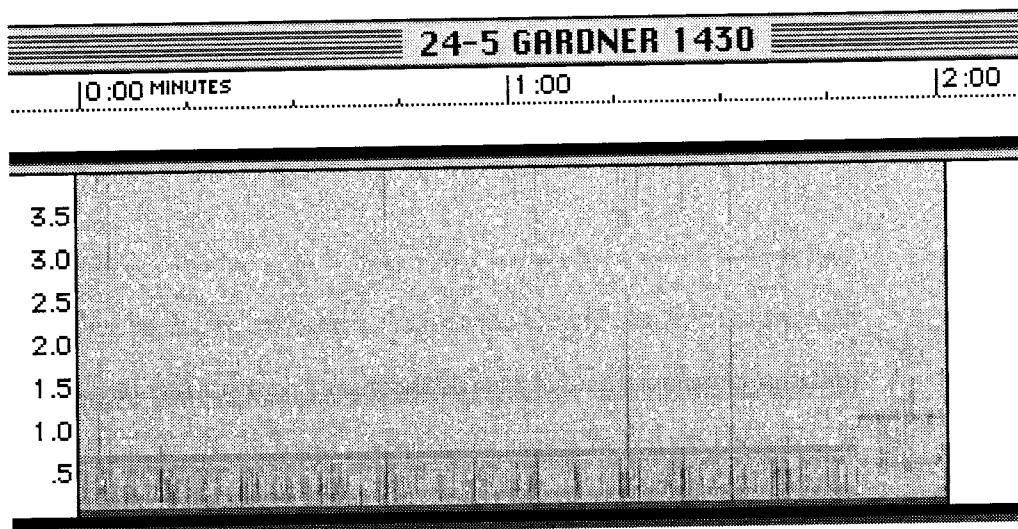
24-5 24-5 GARDNER 1430

0:00 MINUTES 1:00 2:00



Kent Gardner, Fullerton, CA
Sferics present, some low level hum.

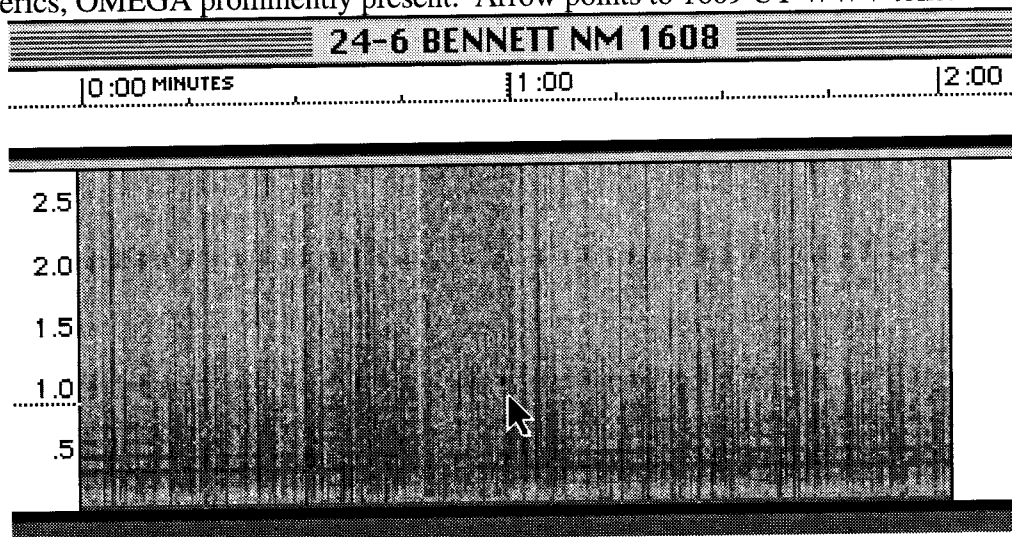
Team 17



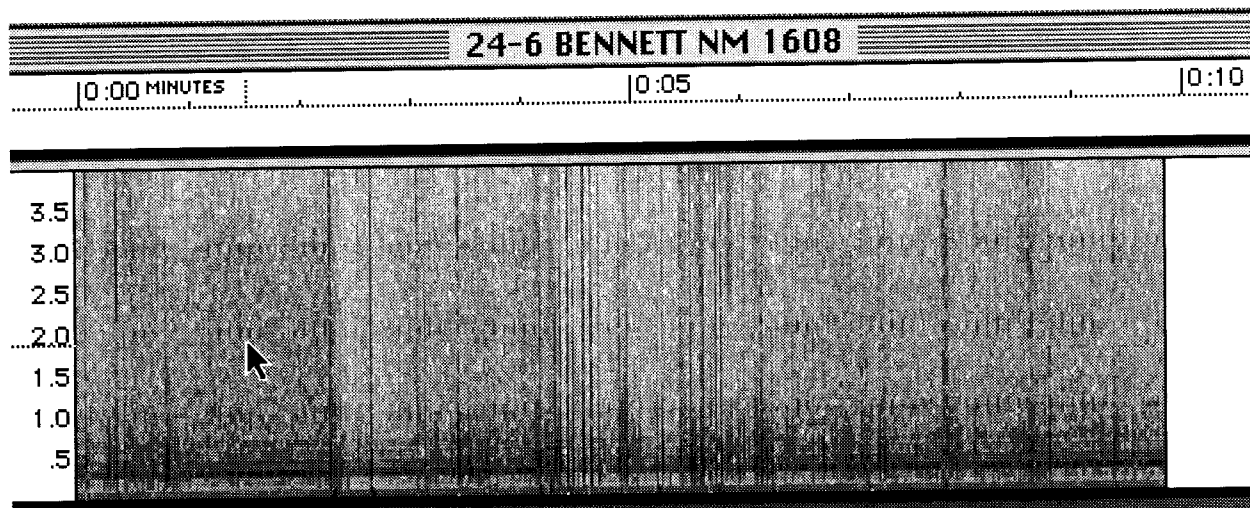
No 1 kHz signal seen.



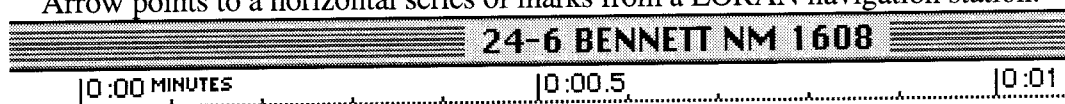
Robert Bennett, Las Cruces, NM Team 15
Dense sferics, OMEGA prominently present. Arrow points to 1609 UT WWV tone.



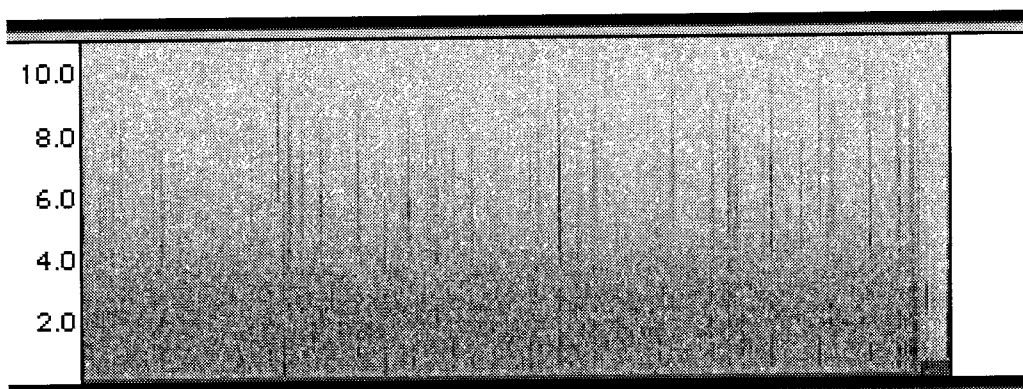
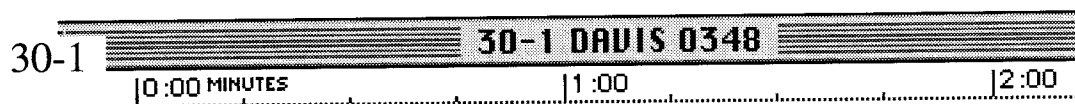
Arrow points to WWV tone. No 1 kHz signal present.



Arrow points to a horizontal series of marks from a LORAN navigation station.

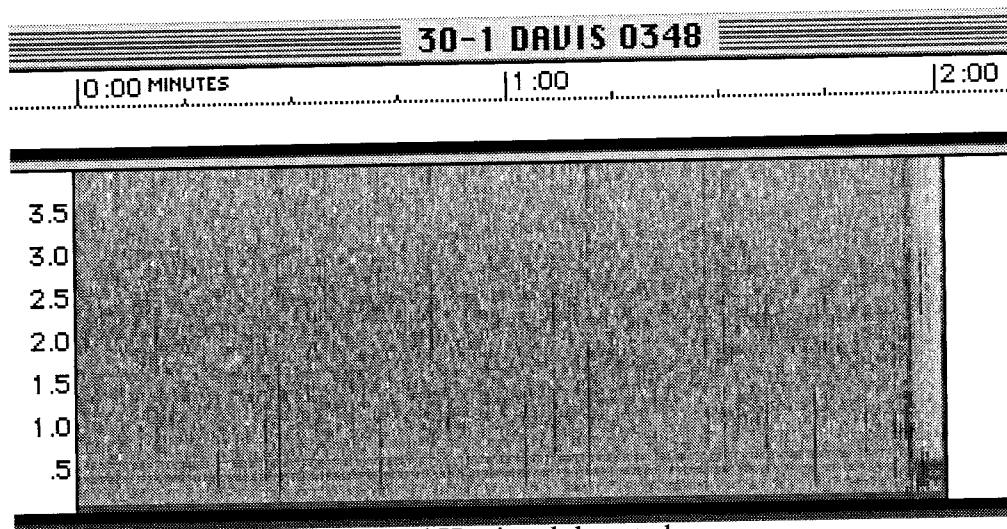


Closeup showing LORAN signals at 1, 2 and 3 kHz. Sounds like a rapid clicking.

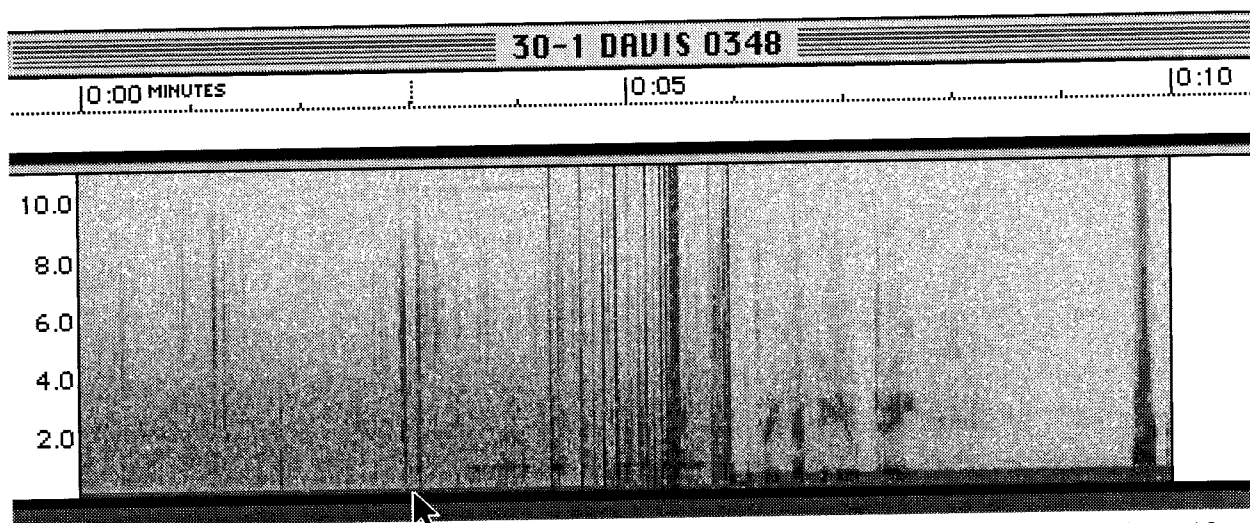


Stephen G. Davis, Fort Edward, NY
Sferics present. File ends with a voice time mark at 0350.

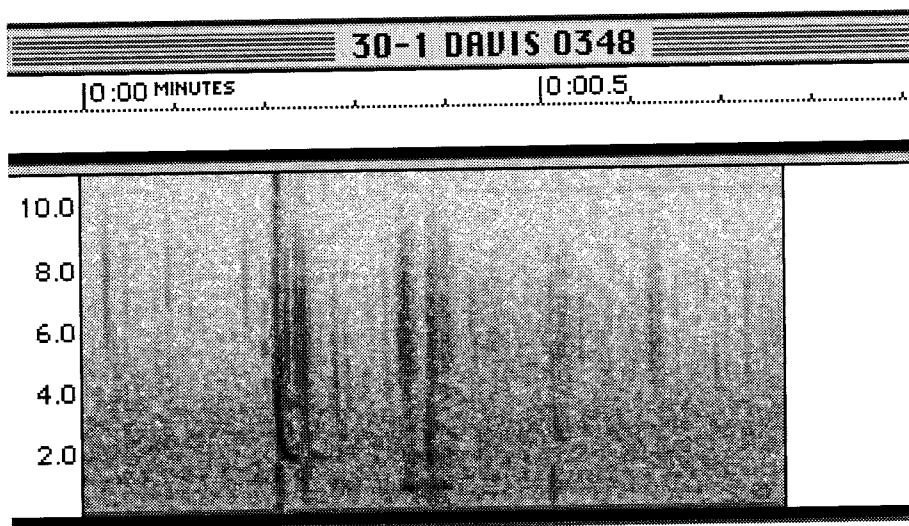
Team 2



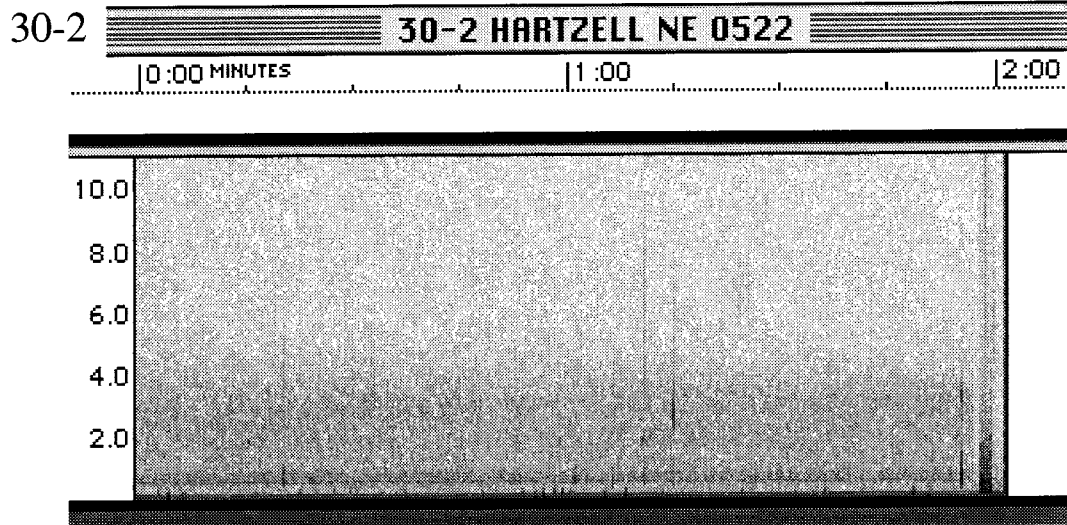
No 1 kHz signal detected.



0349:50, 10 seconds. Arrow points to tweek. Voiceprint of time mark ends with "mark at :10 s.



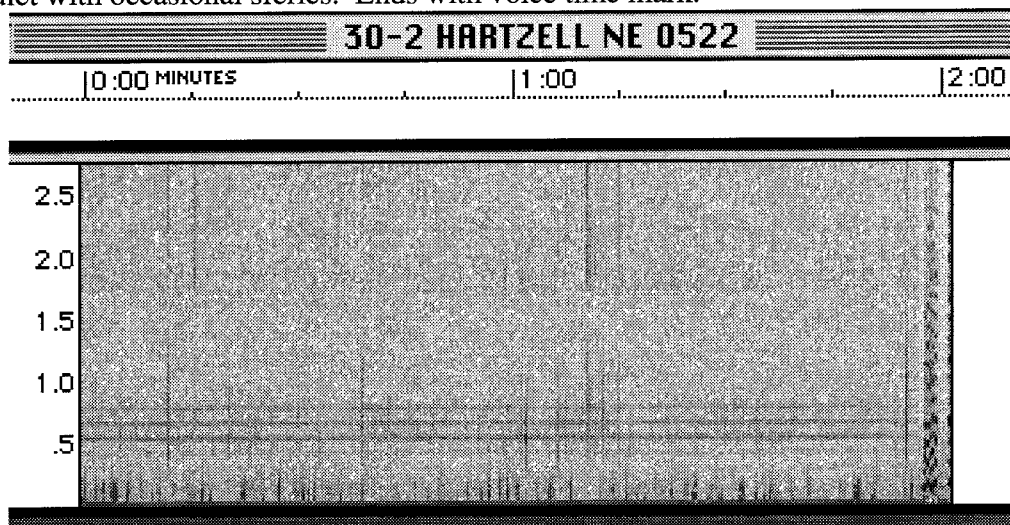
Strong tweek at 0349:53 UT



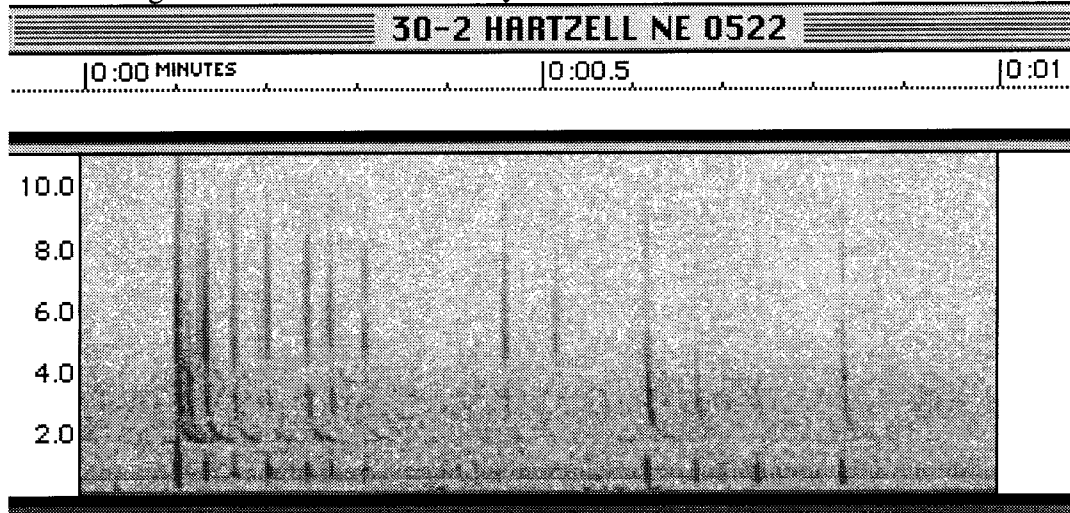
Phil Hartzell, Aurora, NE

Team 21

Fairly quiet with occasional sferics. Ends with voice time mark.

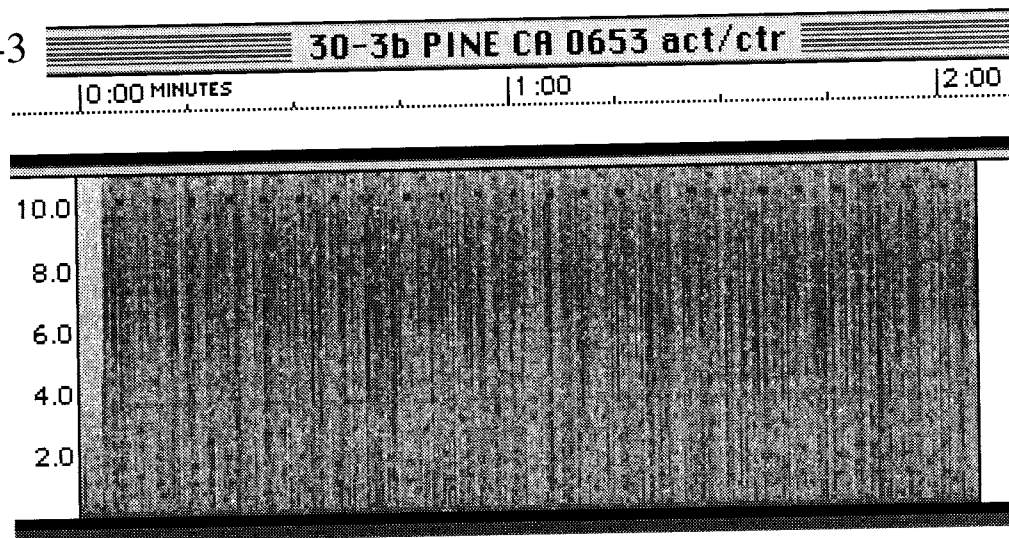


No 1 kHz signal. some hum indicated by horizontal lines between 500 and 1000 hertz.



Burst of tweeks at 0523:13 UT

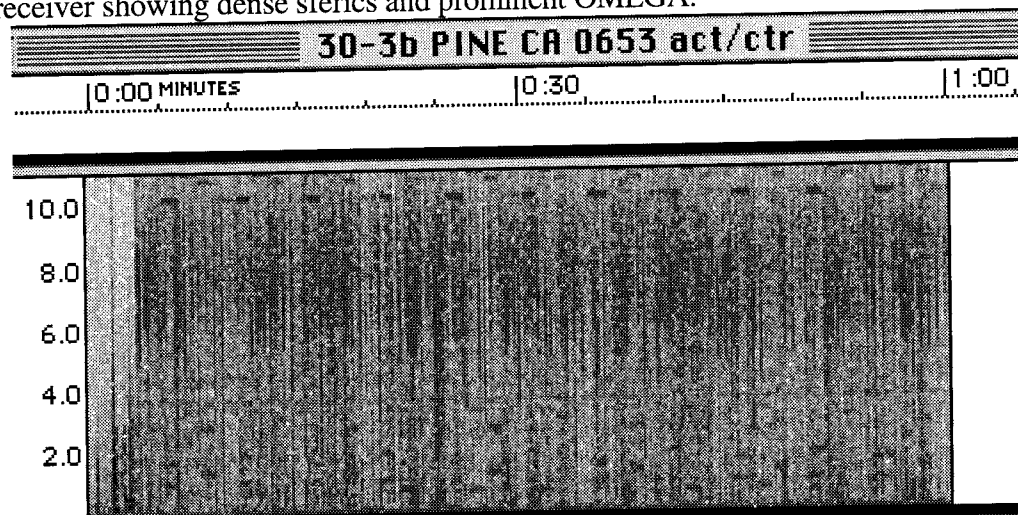
30-3



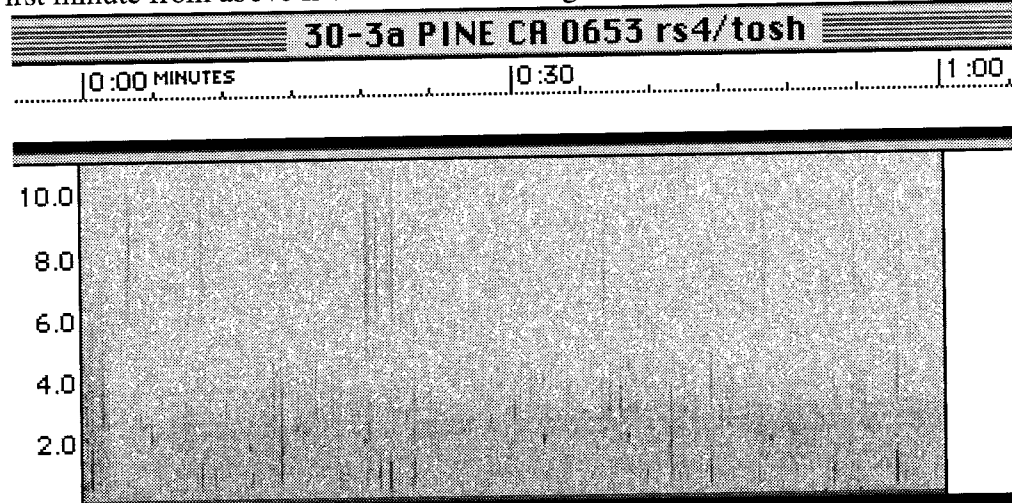
Bill Pine, Chaffey High School, Ontario, CA

Team 6

B-field receiver showing dense sferics and prominent OMEGA.



First minute from above file. Note the aliasing of OMEGA as dashes below 4 kHz.

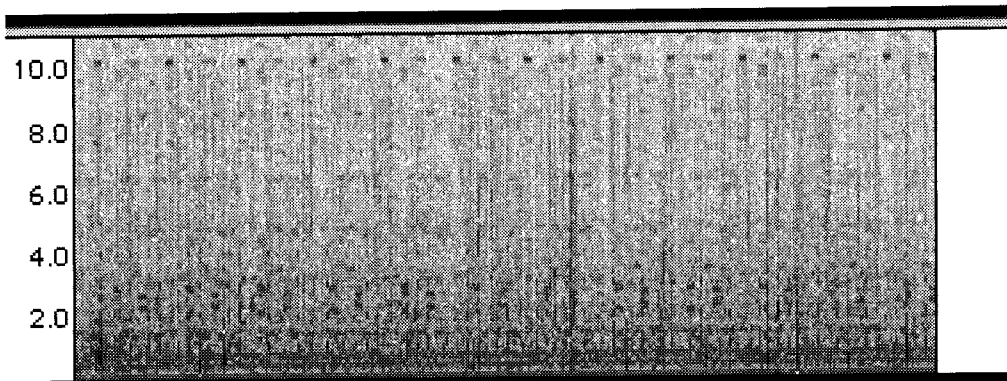


Same interval as above using an RS4 E-field receiver. Difference is pronounced.

30-4

30-4 65 KNIGHT 1320 2m

0:00 MINUTES 1:00 2:00

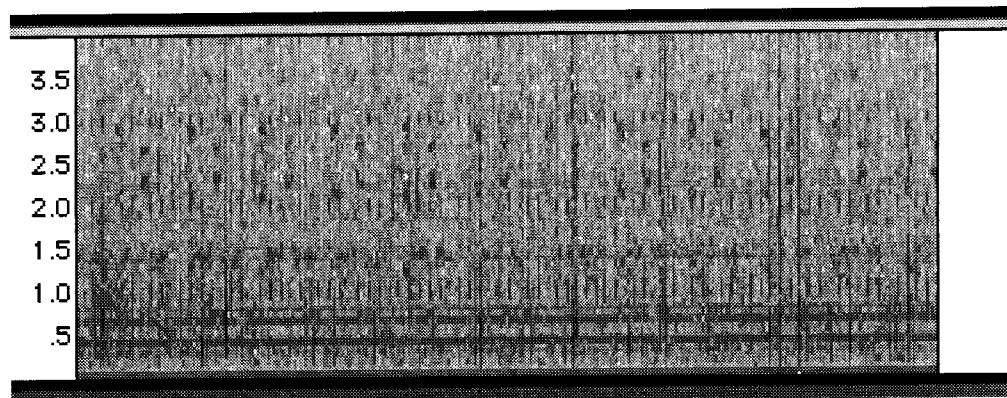


Dean Knight, Sonoma Valley High School, Sonoma, CA
Dense sferics, strong OMEGA with aliasing below 4 kHz.

Team 7

30-4 65 KNIGHT 1320 2m

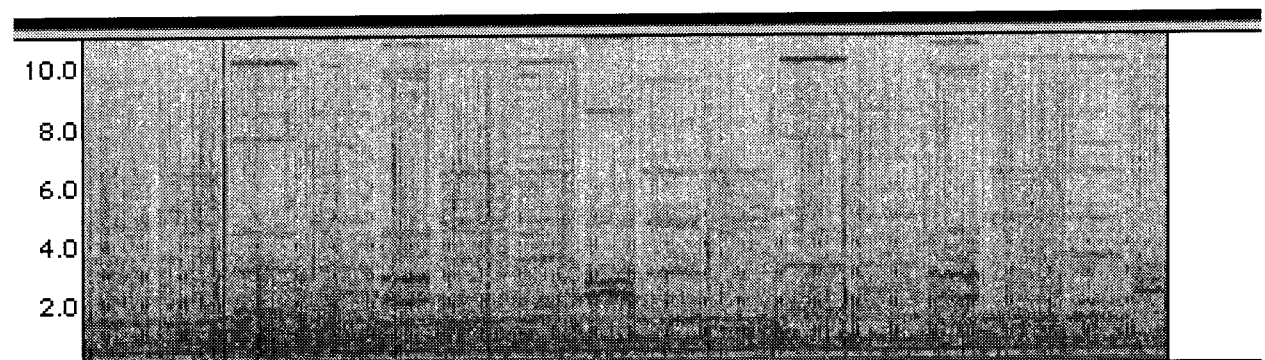
0:00 MINUTES 1:00 2:00



No 1 kHz signal present. Some hum below 1 kHz.

30-4 65 KNIGHT 1320 2m

0:00 MINUTES 0:05 0:10 0:15 0:20

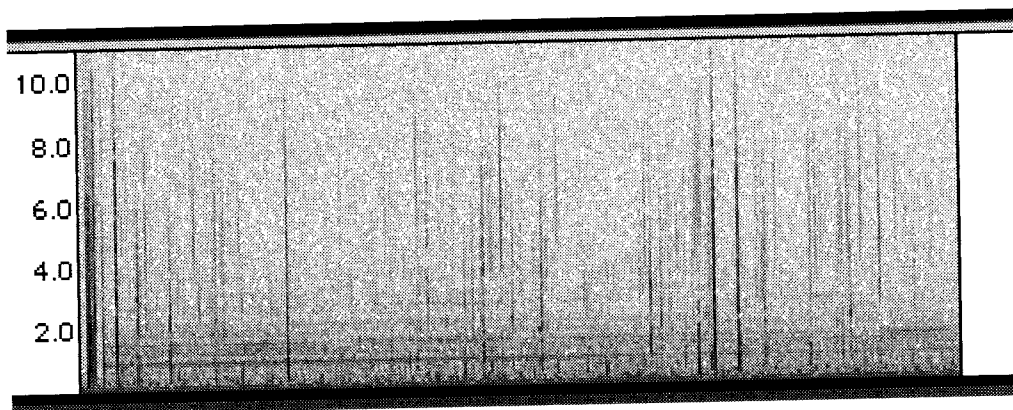


Three OMEGA stations present. Dashes at lower frequencies are aliasing signals that result from the digital sampling process.

E30-5

E30-5 BERNOCCO 2214

0:00 MINUTES 1:00 2:00



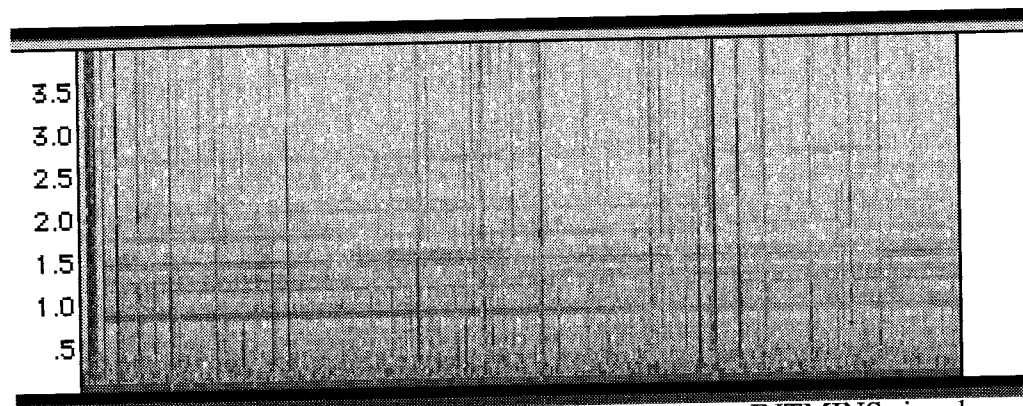
Silvio Bernocco, Vaccera, ITALY

Team E2

Starts with 2214 voice mark. Medium dense sferics with some very strong.

E30-5 BERNOCCO 2214

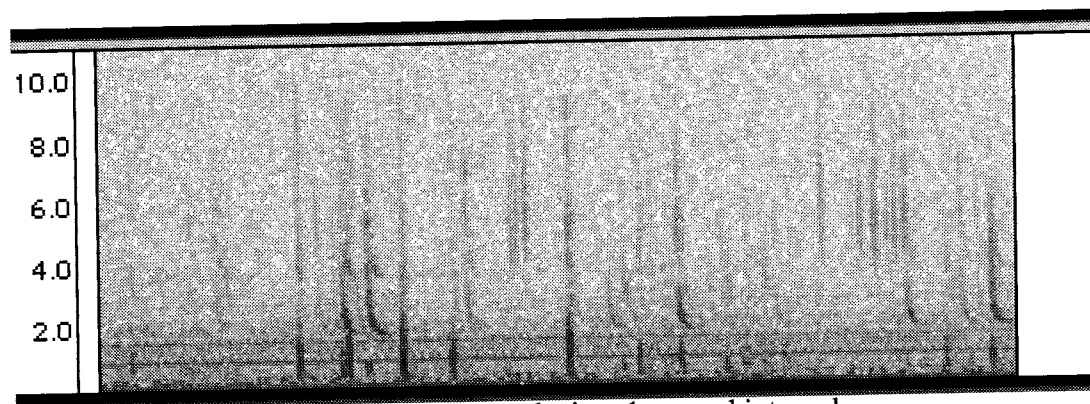
0:00 MINUTES 1:00 2:00



Some hum present. Manmade signal near 1 kHz, no INTMINS signal.

E30-5 BERNOCCO 2214

0:00 MINUTES 0:00.5 0:01

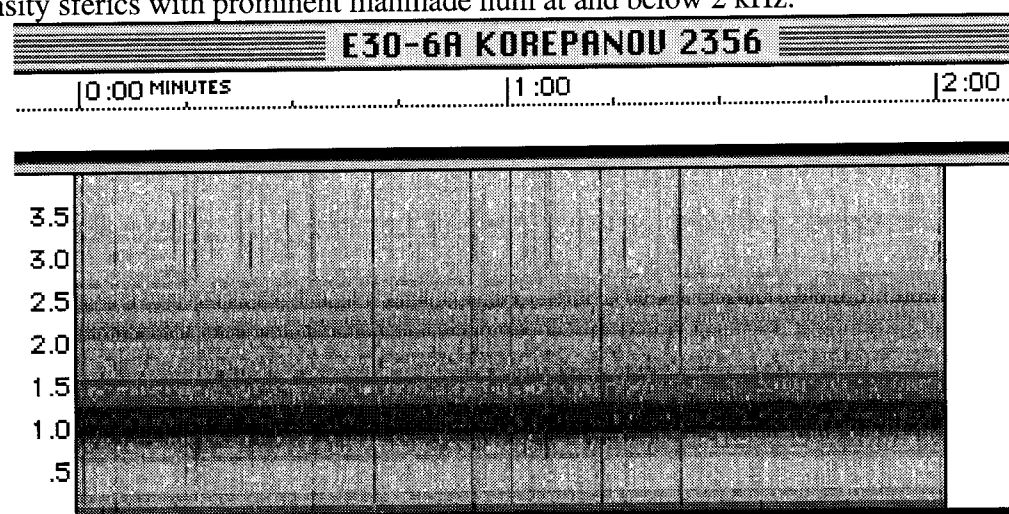


2214:07. Many tweeks in a 1 second interval.

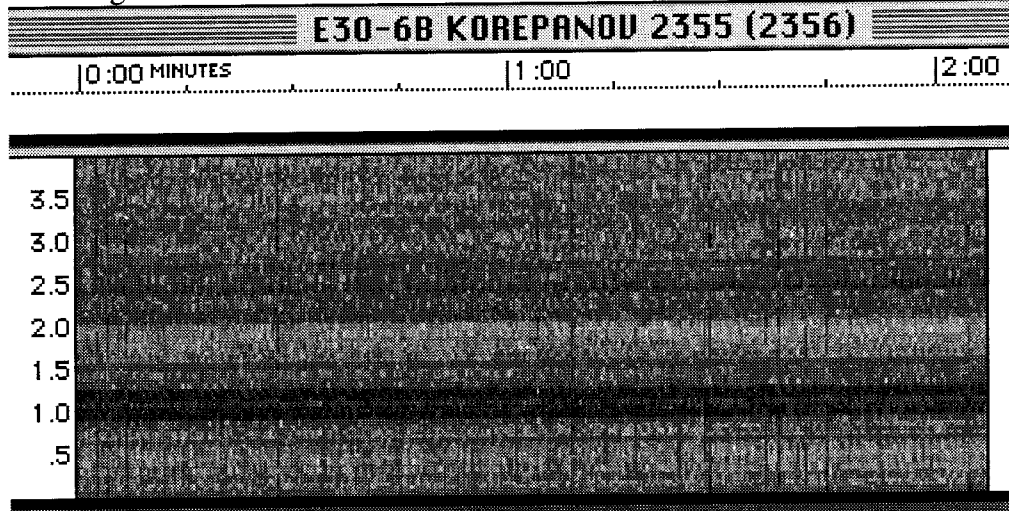
E30-6



Dr. Valery Korepanov, Lviv Center of Inst. of Space Res. of NASU, Lviv, UKRAINE Team E9
Low density sferics with prominent manmade hum at and below 2 kHz.



Note strong hum band at 1 kHz that would obscure any other signal. High pass filter.



Same as above using band pass filtering (no filter). Some differences in spectrographs.