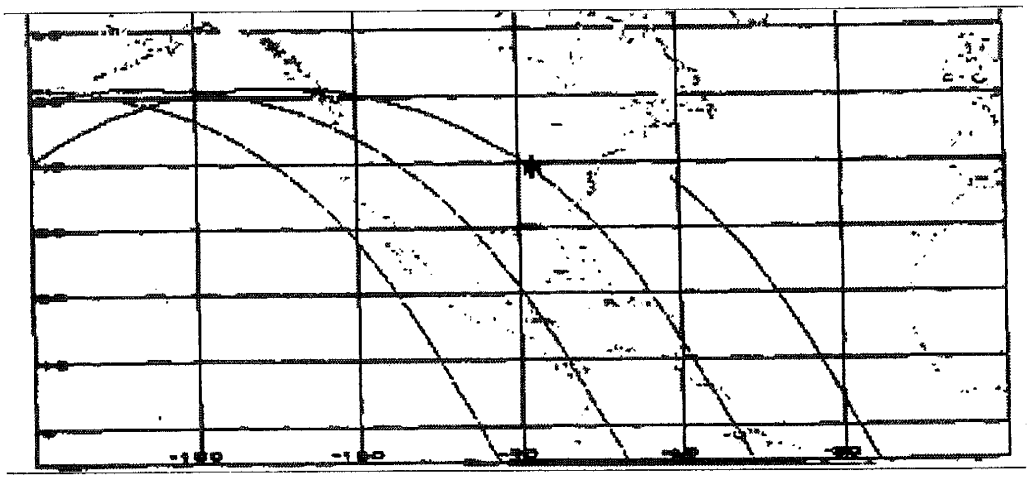
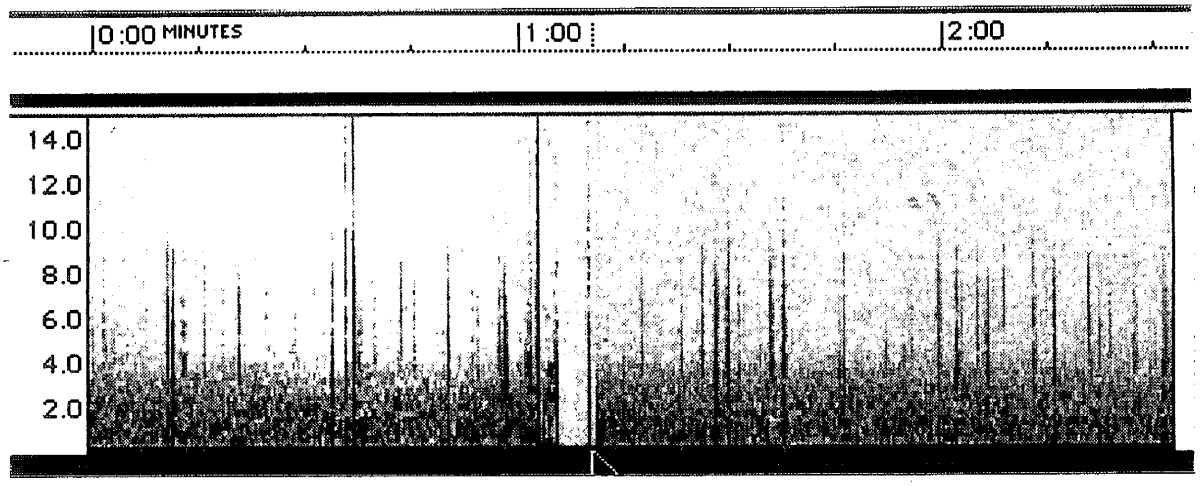
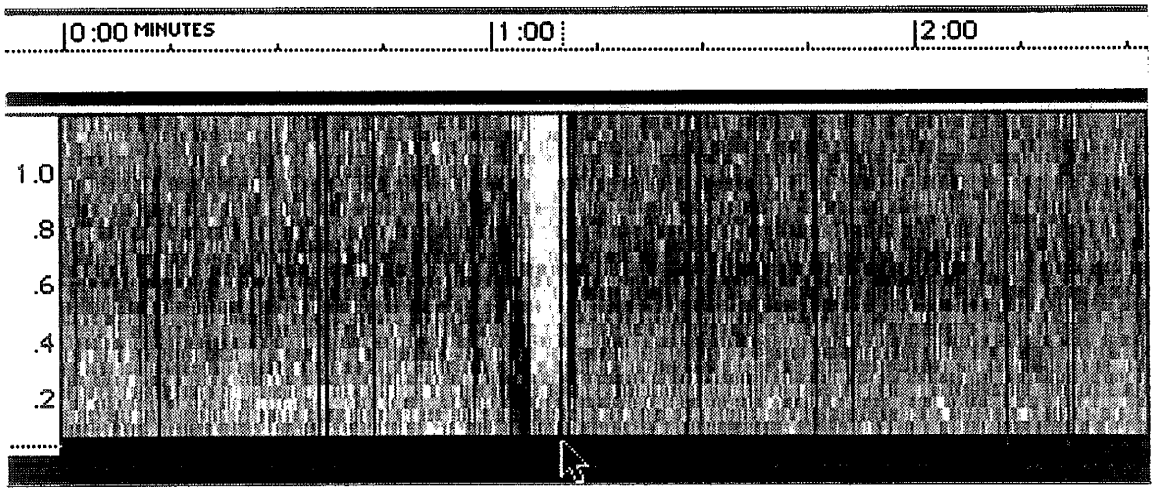
5.5



Spectrographs from Davis NY.

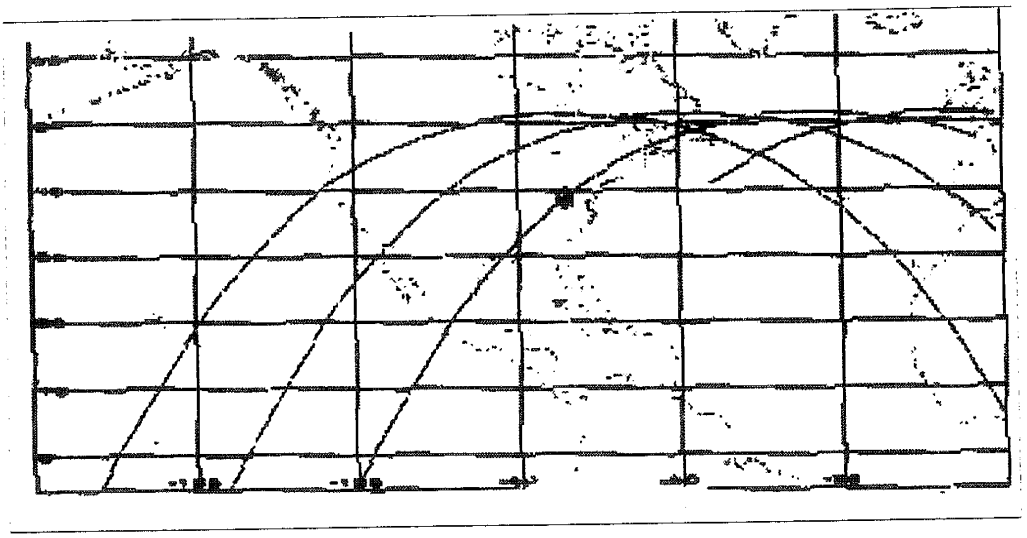


5.5A 12:17:50 (2:40) 0-15 kHz ➡ 12:19 "Mark" No OMEGA. Light sferics.

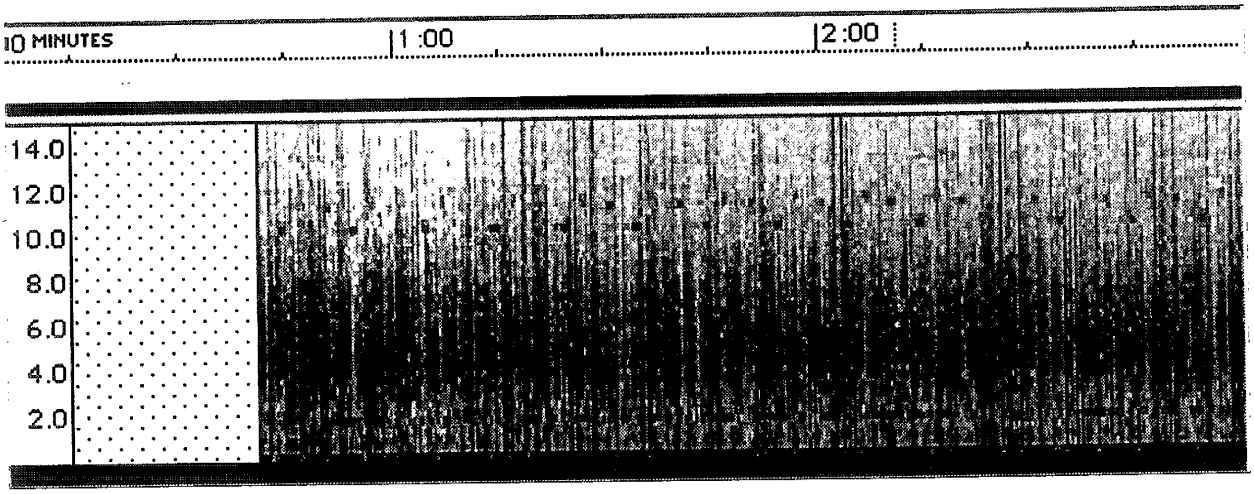


5.5B 12:17:50 (2:40: 0-1.2 kHz ➡ 12:19 "Mark" No 1 kHz signal observed.

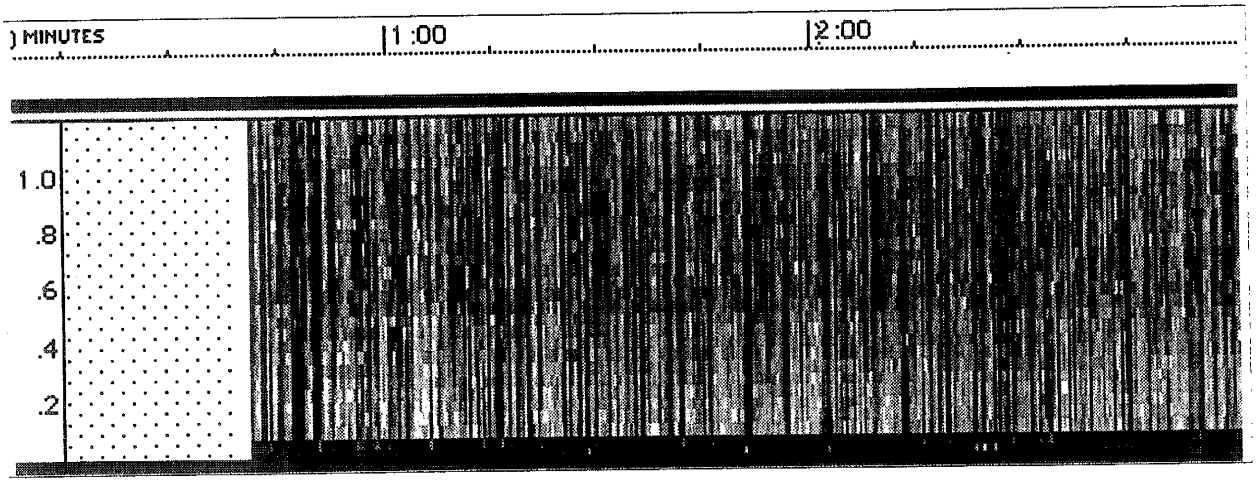
6.1



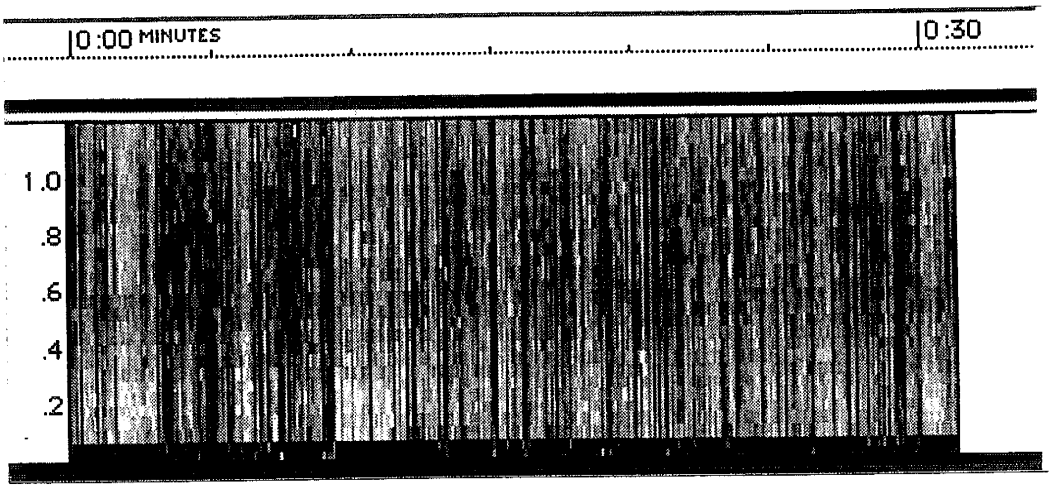
Spectrographs from Aiello NY.



6.1A 04:55 (3:20) 0-15 kHz. Only the first 2:20 of the file is shown.

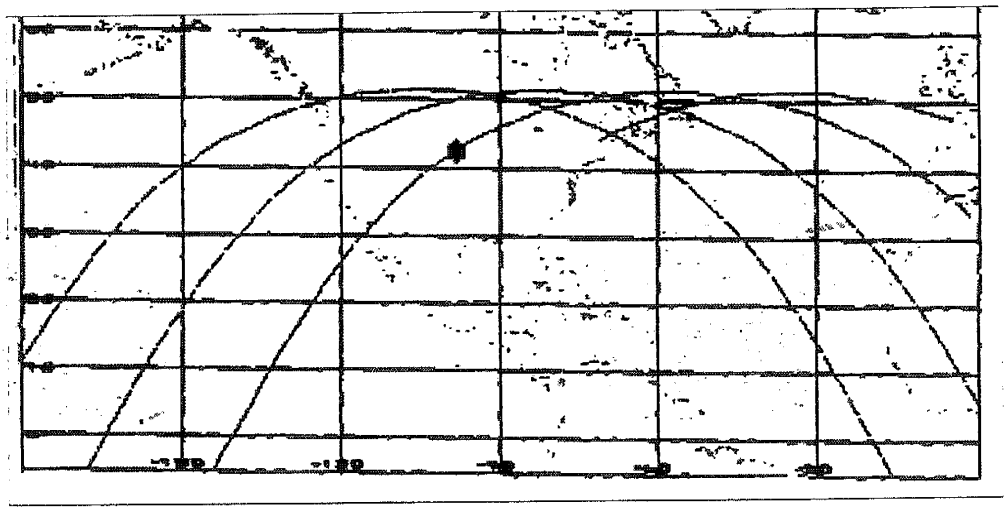


6.2B 04:55 (3:20) 0-1.2 kHz

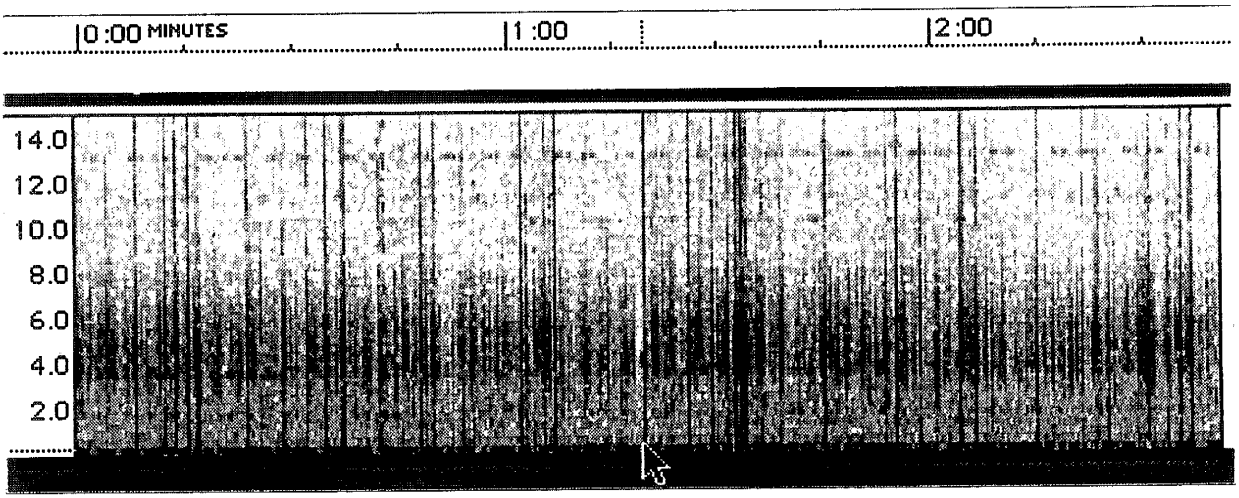


6.2C 04:56:50 (:30) 0-1.2 kHz No 1 kHz signal observed.

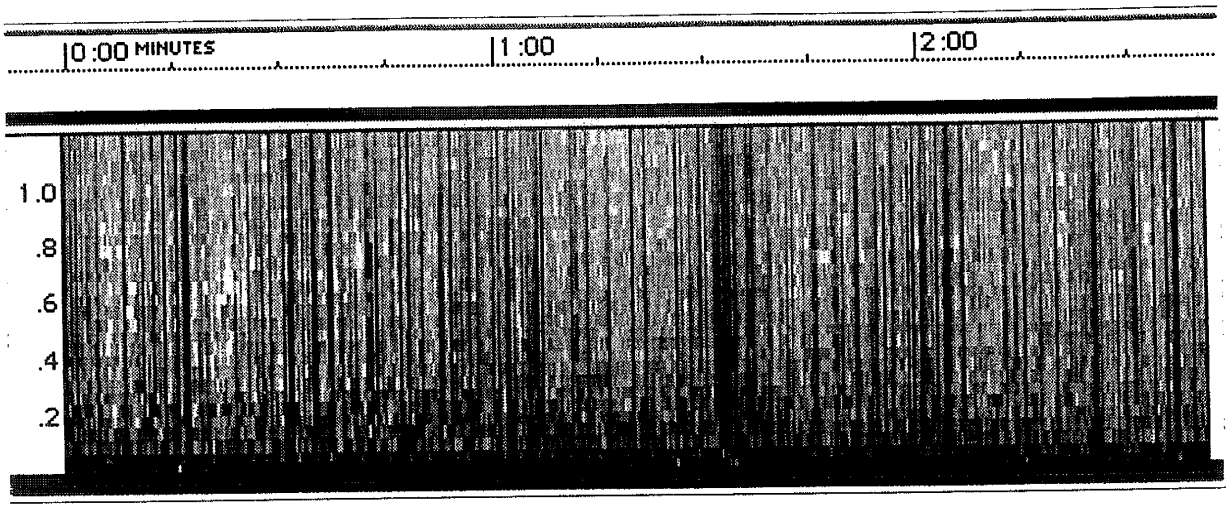
6.2



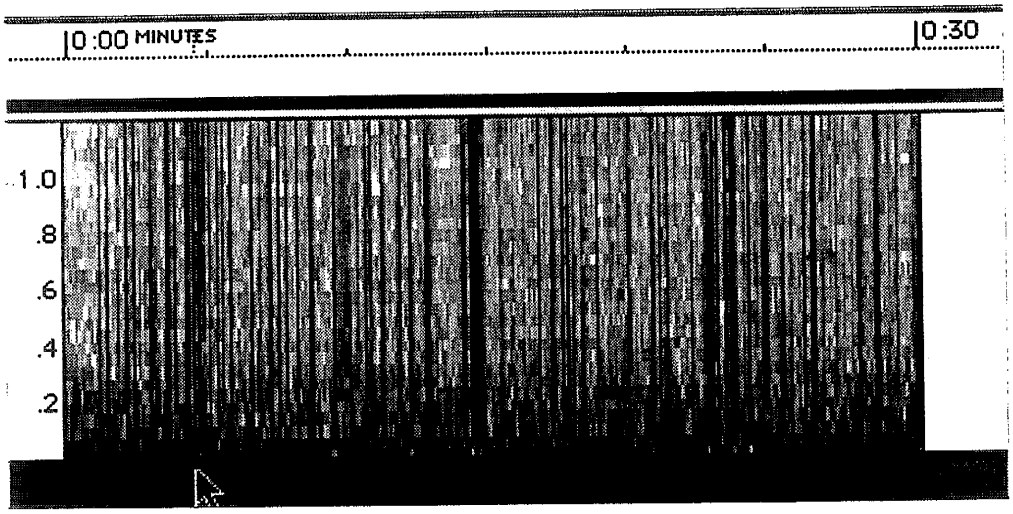
Spectrographs from Touzin QC.



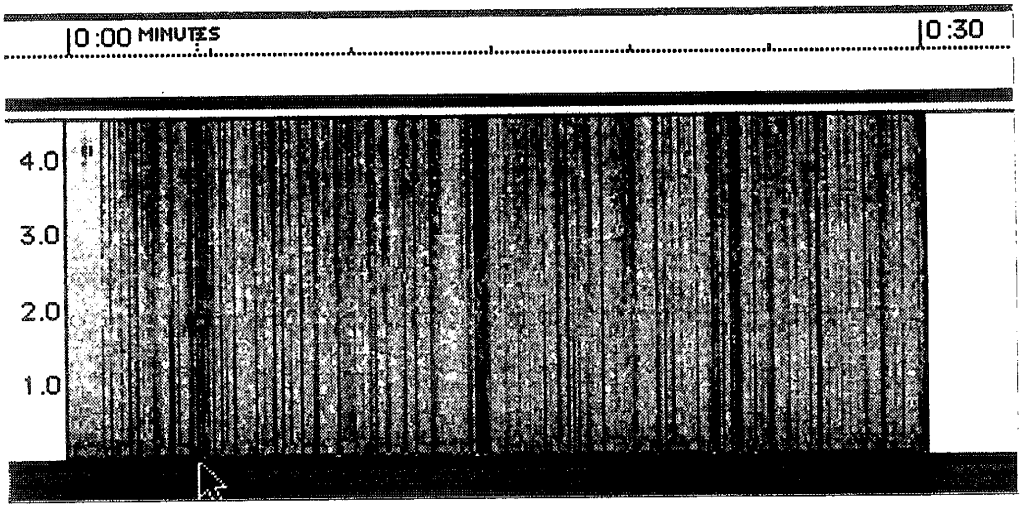
6.2A 06:26:40 (2:40) 0-15 kHz ➡ 06:31 beep. Faint OMEGA.



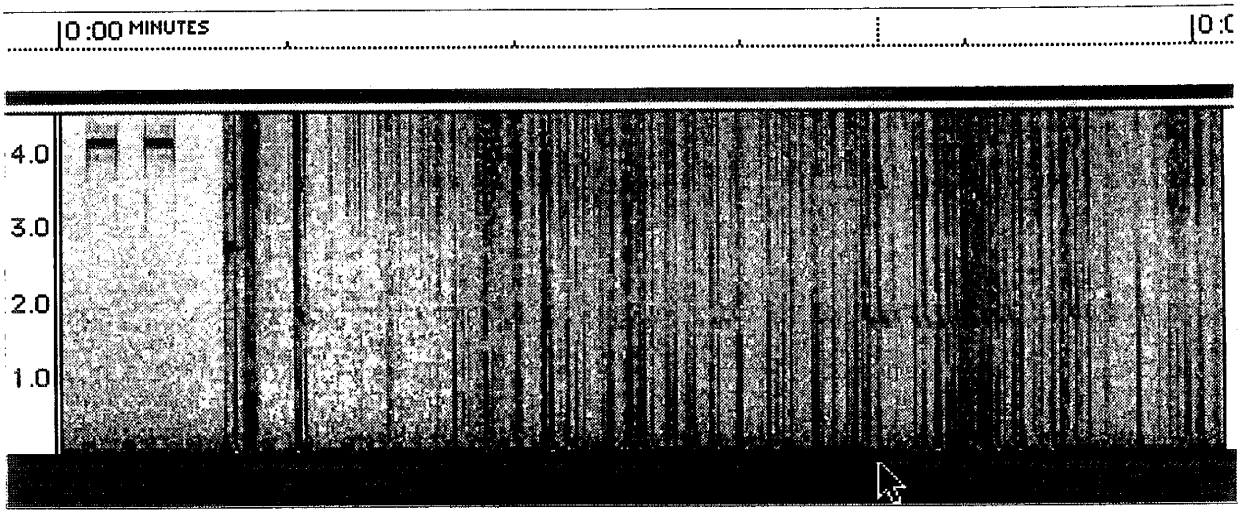
6.2B 06:29:40 (2:40) 0-1.2 kHz No 1 kHz signal observed.



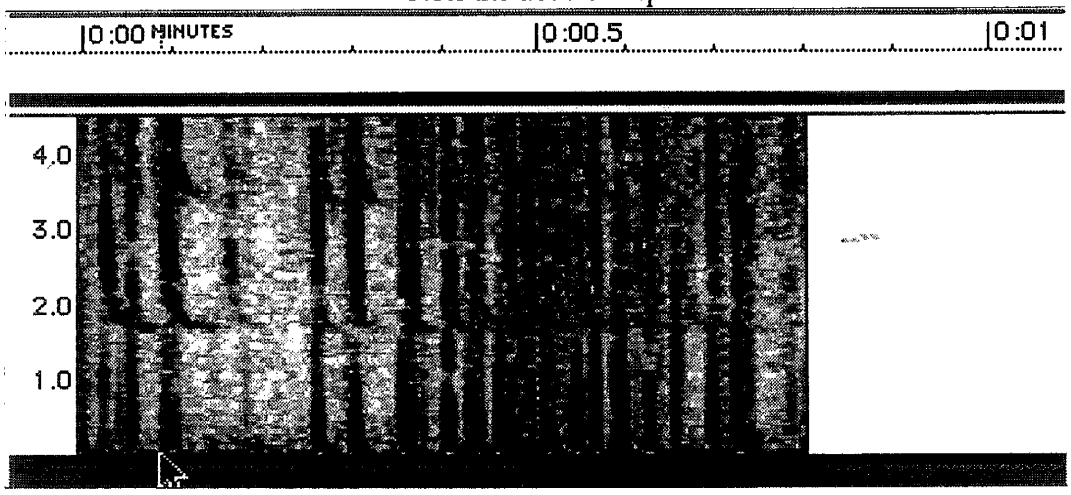
6.2C 06:31 (:30) 0-1.2 kHz ➡ tweek burst. No 1 kHz signal.



6.2D 06:31 (:30) 0-4,5 kHz ➡ tweek burst. Note double beep at 06:31.

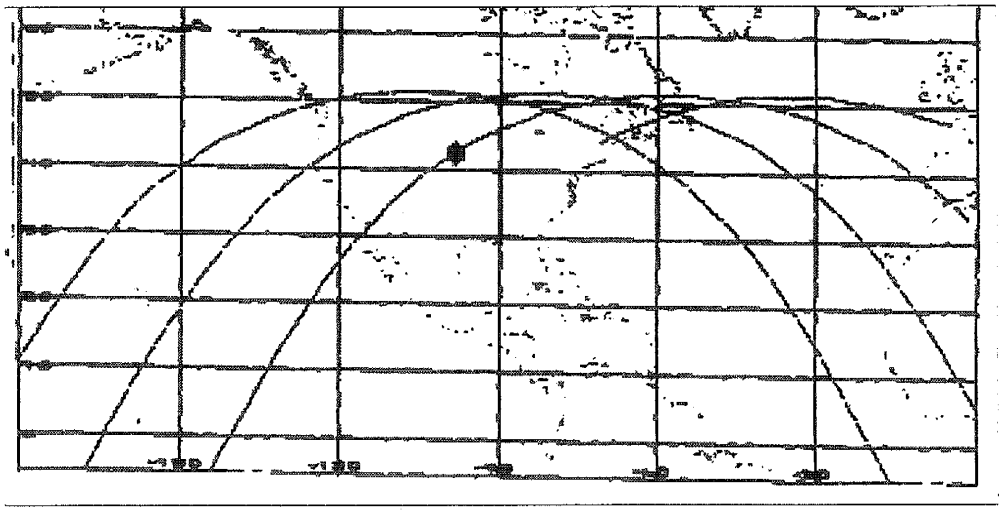


6.2E 06:31 (:05) 0-4.5 kHz ➡ double tweek before tweek burst.
Note the double beep.

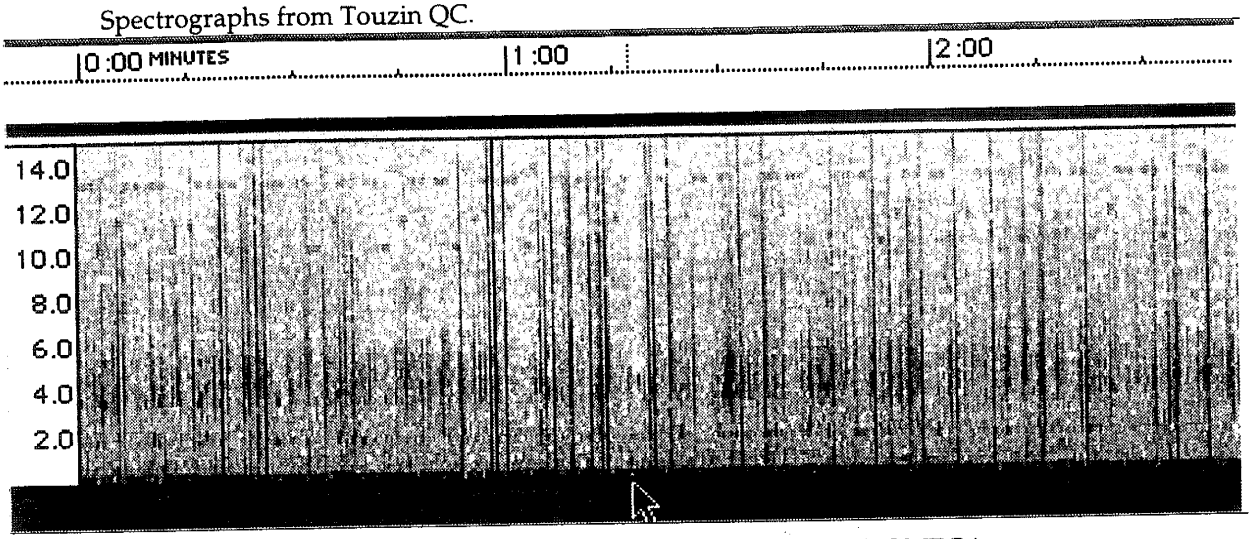


6.2F 06:31:03 (:00.8) 0-4.5 kHz ➡ double tweek
More than 12 tweeks in .8 seconds.

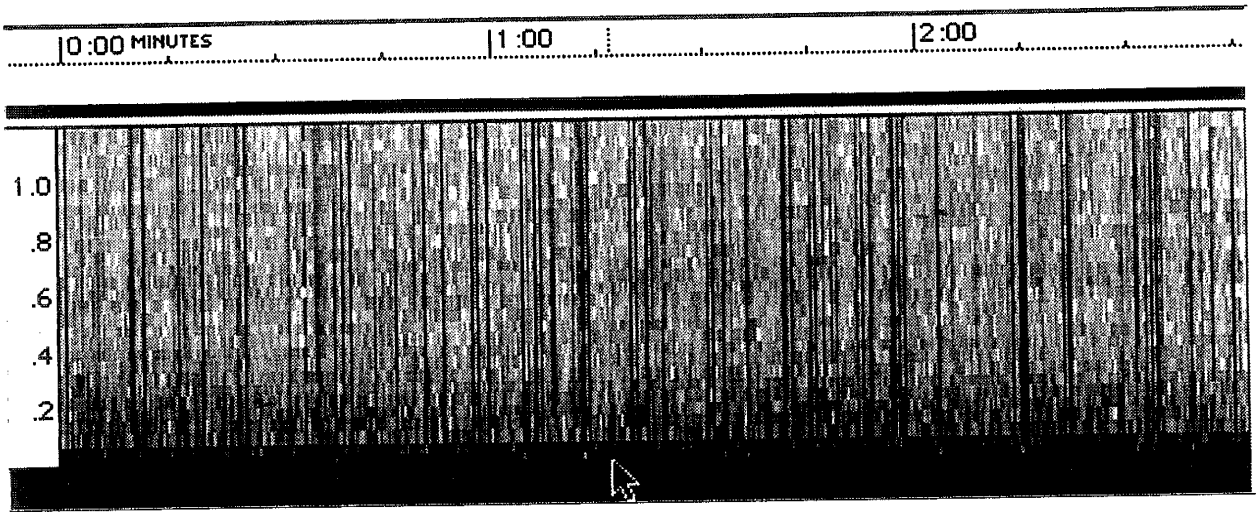
6.3



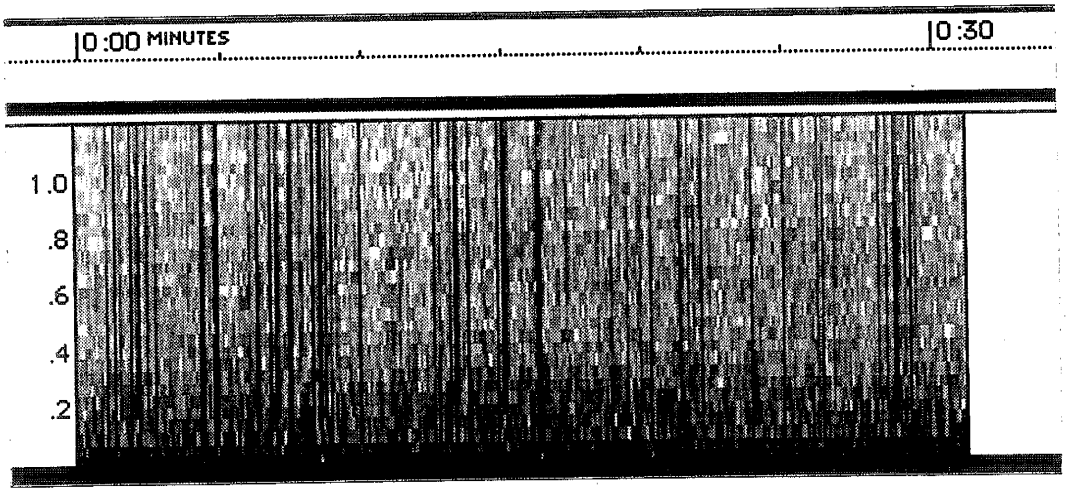
Spectrographs from Touzin QC.



6.3A 08:00:40 (3:00) 0-15 kHz ➡ 08:02 beep. Weak OMEGA.

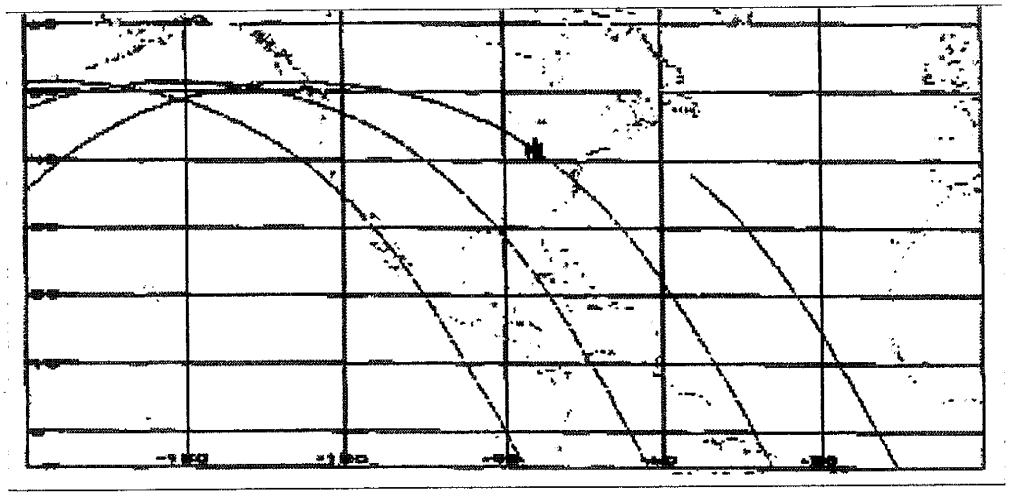


6.3B 08:00:40 (3:00) 0-1.2 kHz ➡ 08:02 beep

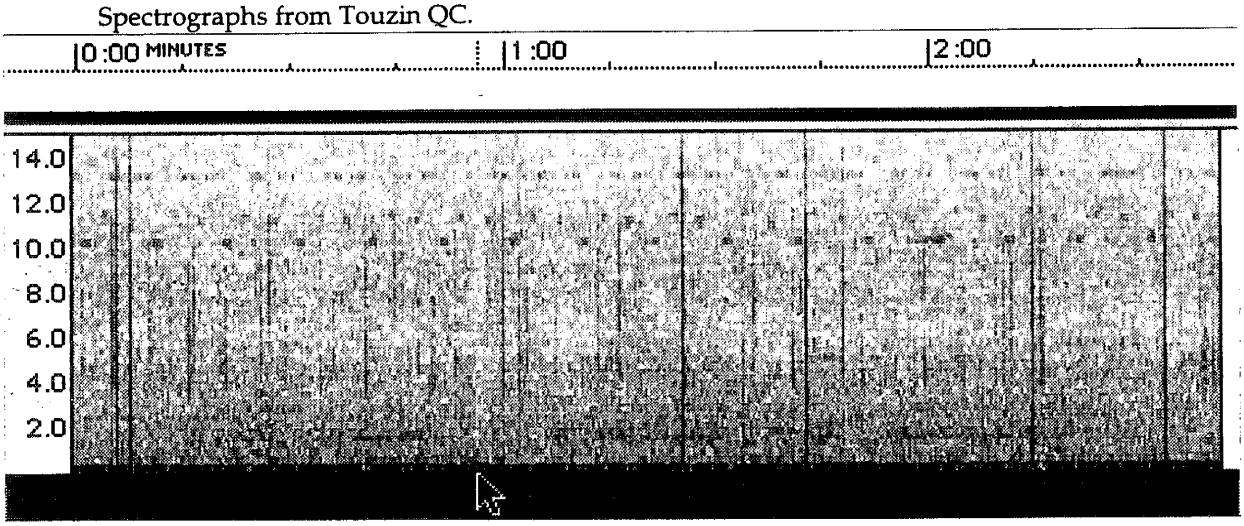


6.3C 08:02 (:30) 0-1.2 kHz No 1 kHz signal detected.

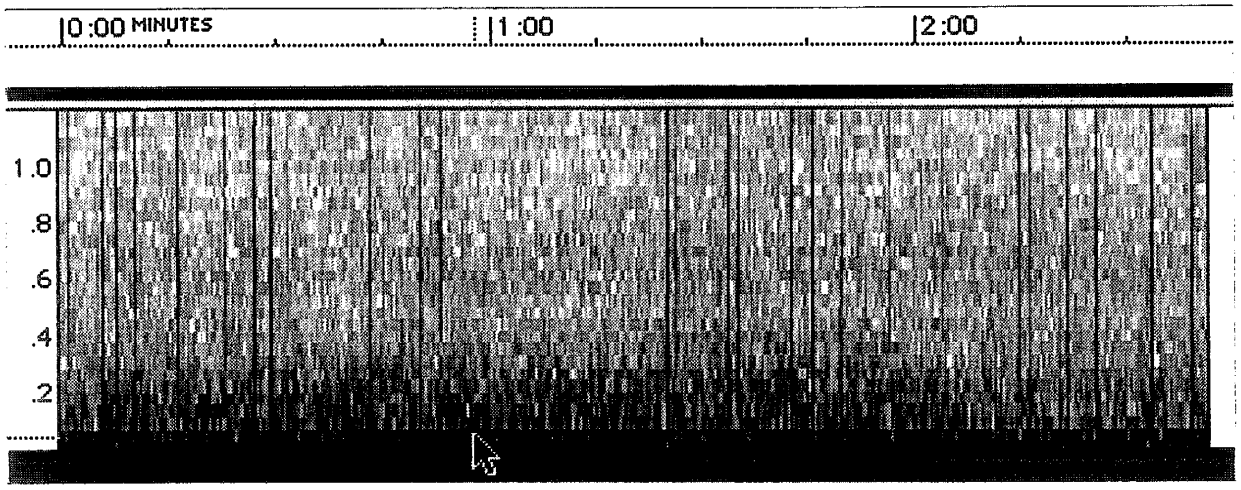
6.5



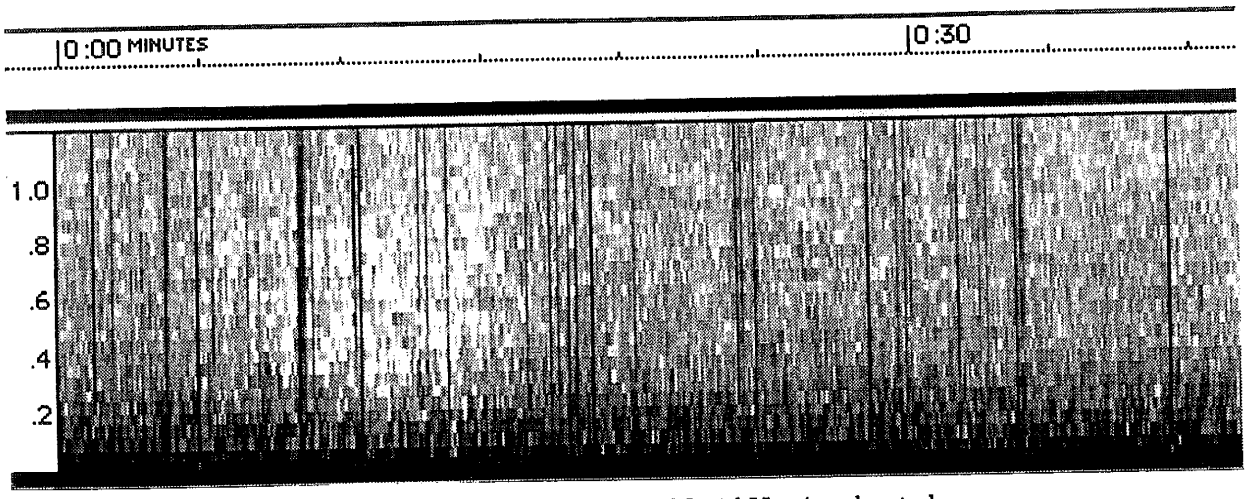
Spectrographs from Touzin QC.



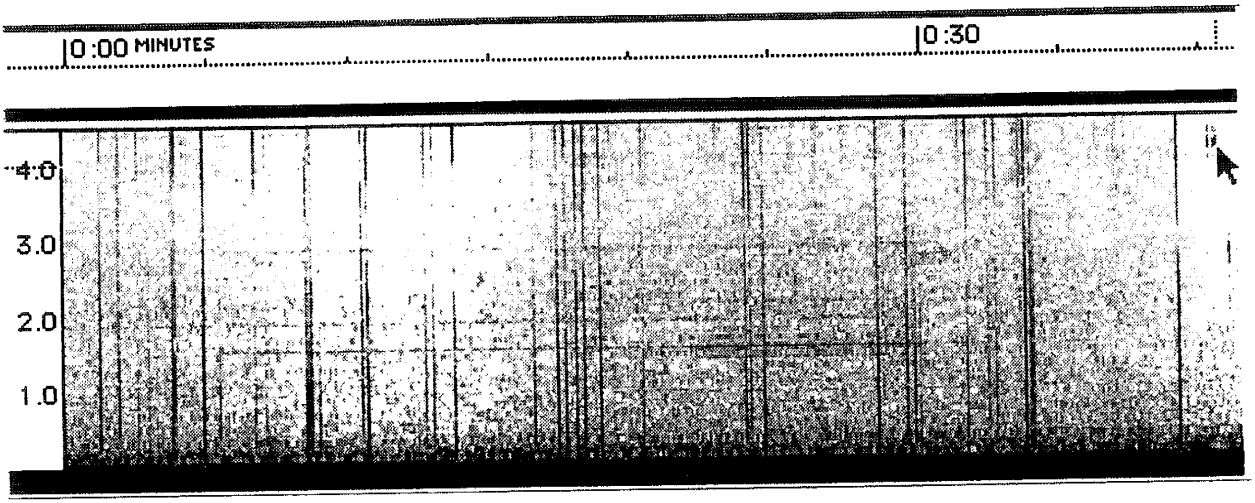
6.5A 11:23 (2:40) 0-15 kHz ➡ 11:24 beep. Low sferics, weak OMEGA.



6.5B 11:23 (2:40) 0-1.2 kHz ➡ 11:24 beep

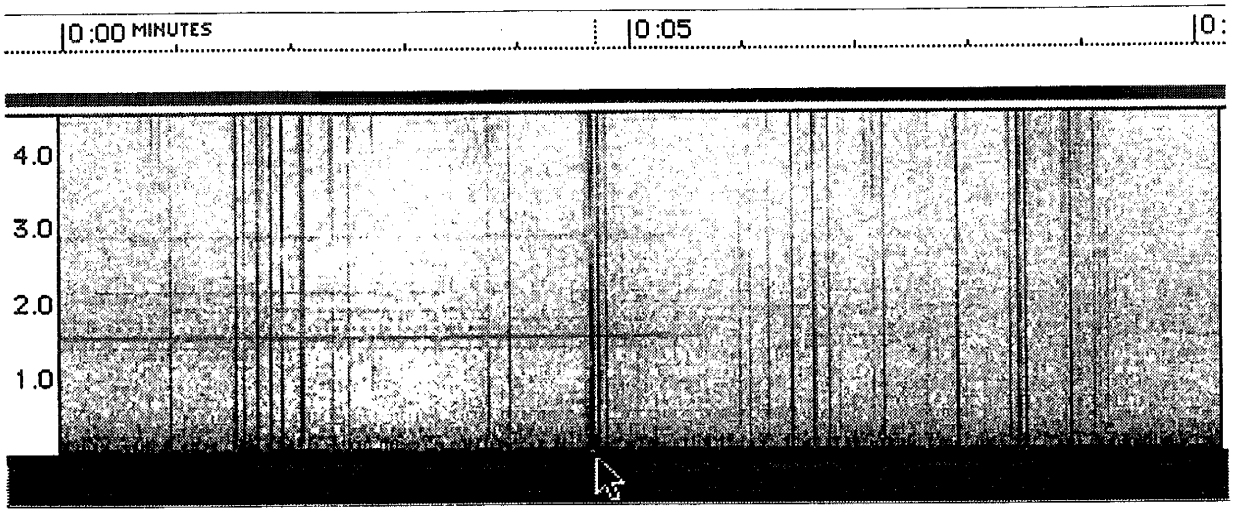


6.5C 11:23:20 (:40) 0-1.2 kHz No 1 kHz signal noted.



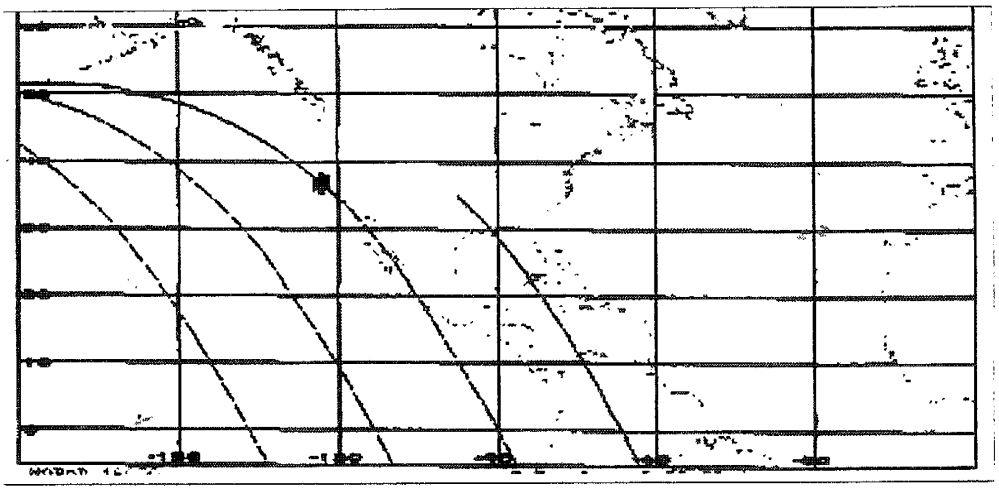
6.5D 11:23:40 (:40) 0-4.5 kHz ➡ 11:24 beeps.

Note the horizontal lines. there was an intermittent high-pitched signal that may be from the ignition system of a car or truck. In the following spectrograph note the horizontal lines at about 1.6 kHz, 2.1 kHz and 3 kHz that stop at 05.5. This is the signal that is heard as a faint high-pitched whine that comes and goes.

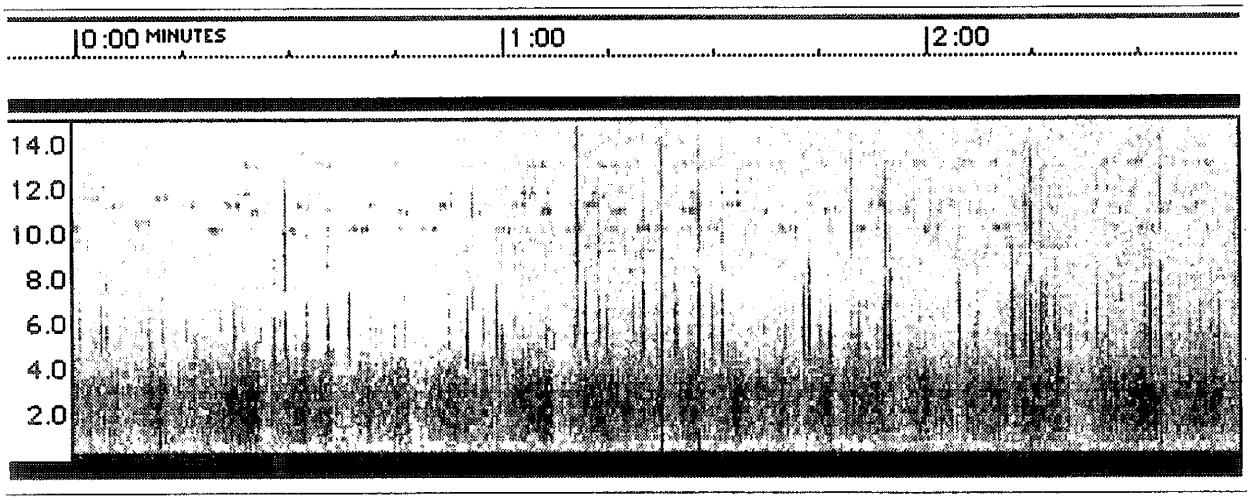


6.5E 11:24:05 (:10) 0-4.5 kHz ➠ burst of sferice

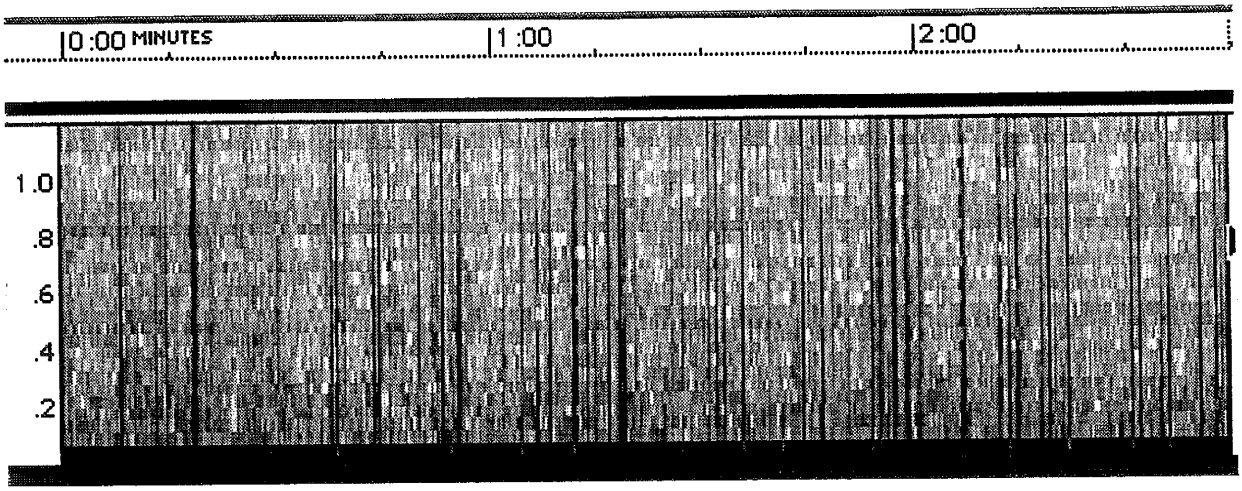
6.7



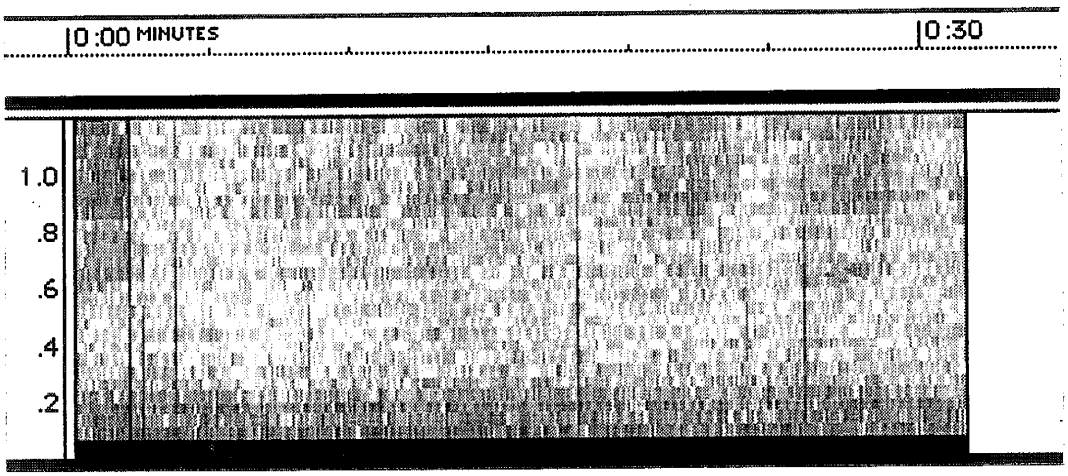
Spectrographs from Pine CA (RS4 E-field receiver).



6.7A 14:29:50 (2:43) 0-15 kHz. OMEGA present.

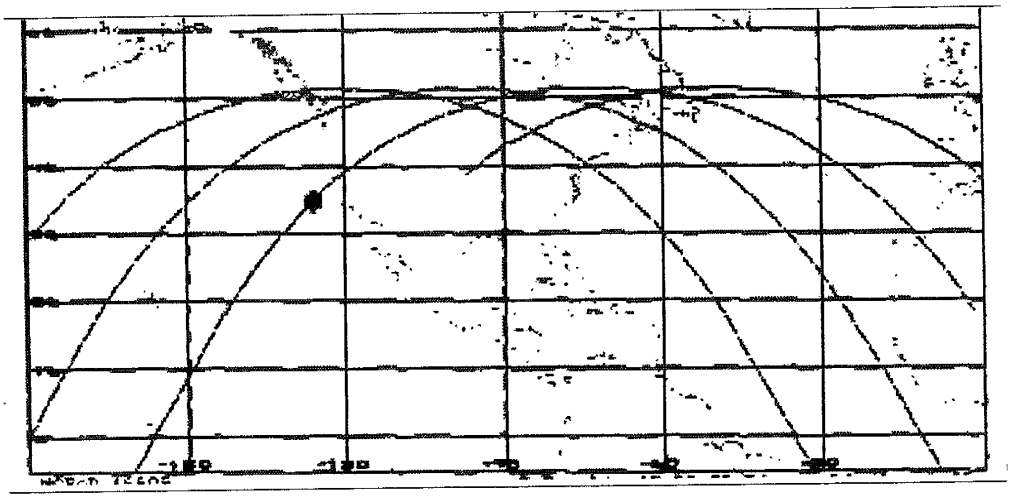


6.7B 14:29:50 (2:43) 0-1.2 kHz.

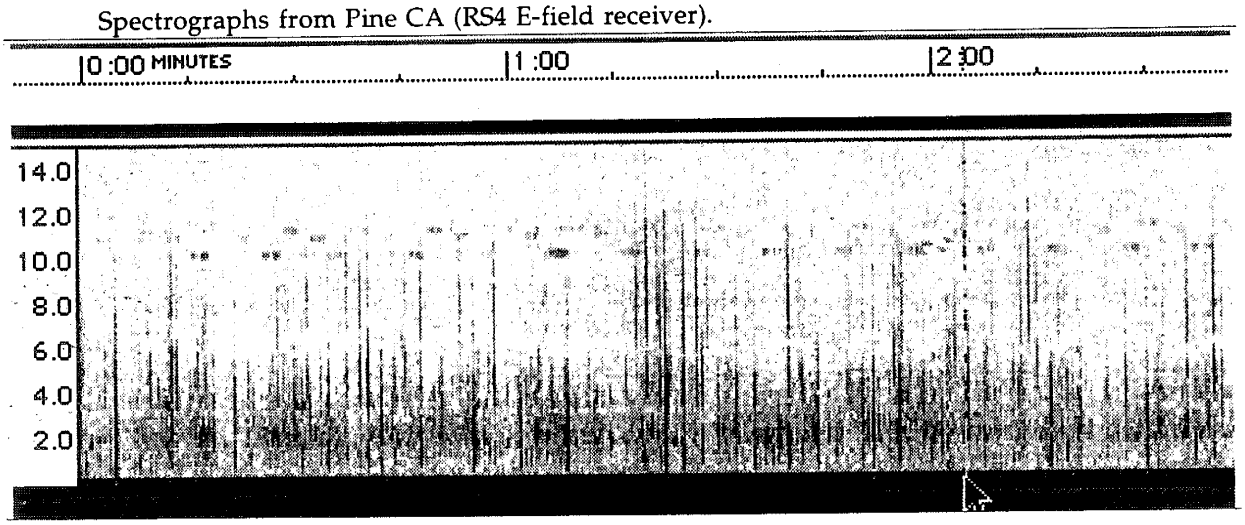


6.7C 14:31 (:30) 0-1.2 kHz The line at about 900 Hz merits further analysis.

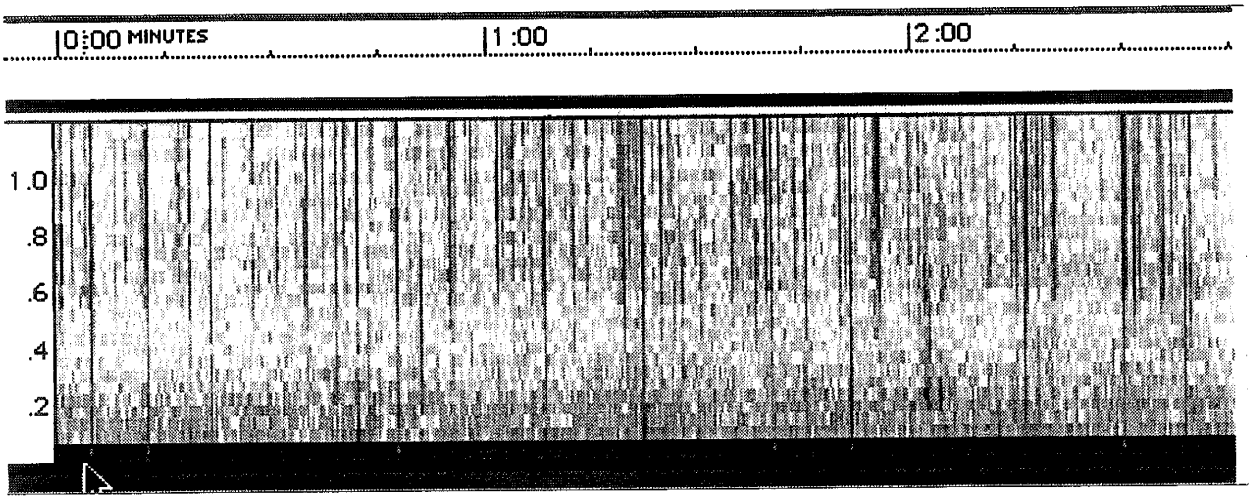
7.3



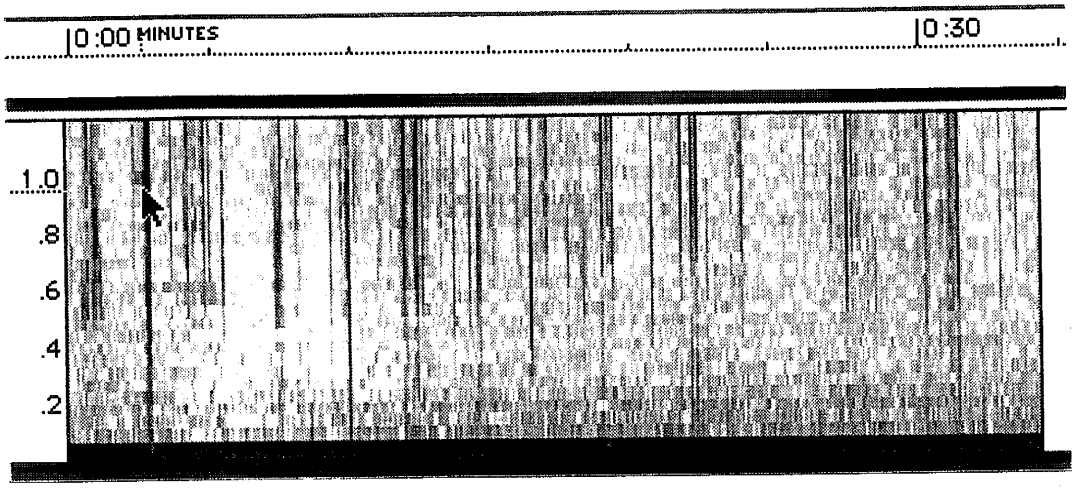
Spectrographs from Pine CA (RS4 E-field receiver).



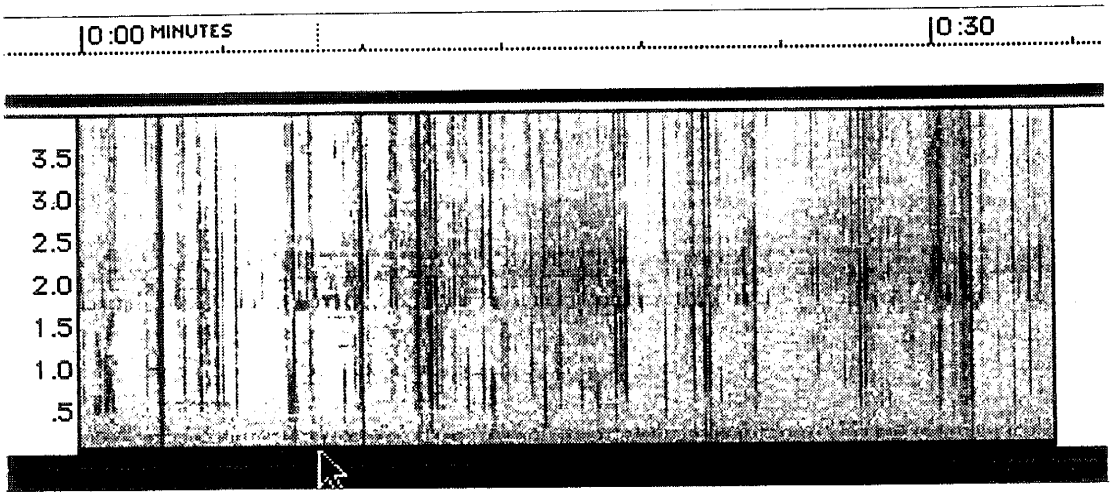
7.3A 07:05 (2:45) 0-15 kHz ➡ 07:07 OMEGA present.



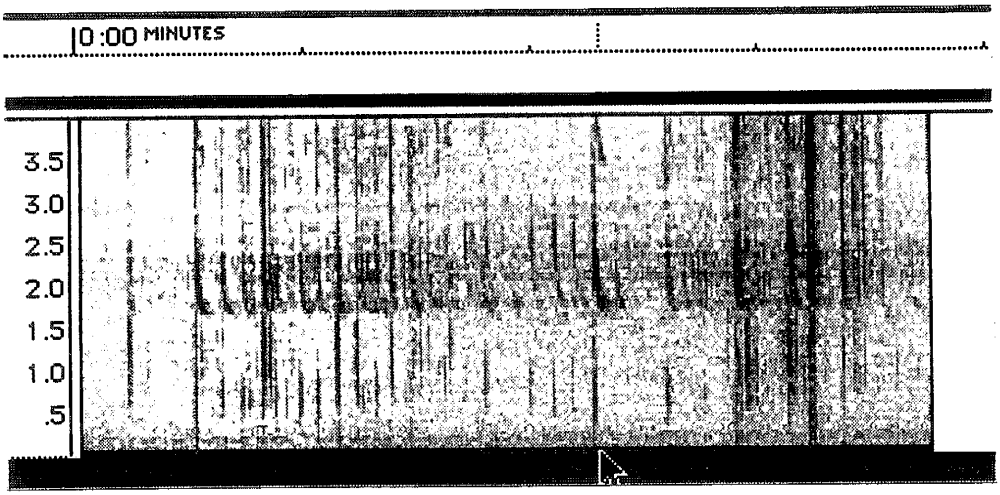
7.3B 07:05 (2:45) 0-1.2 kHz ➡ 07:05 WWV tone



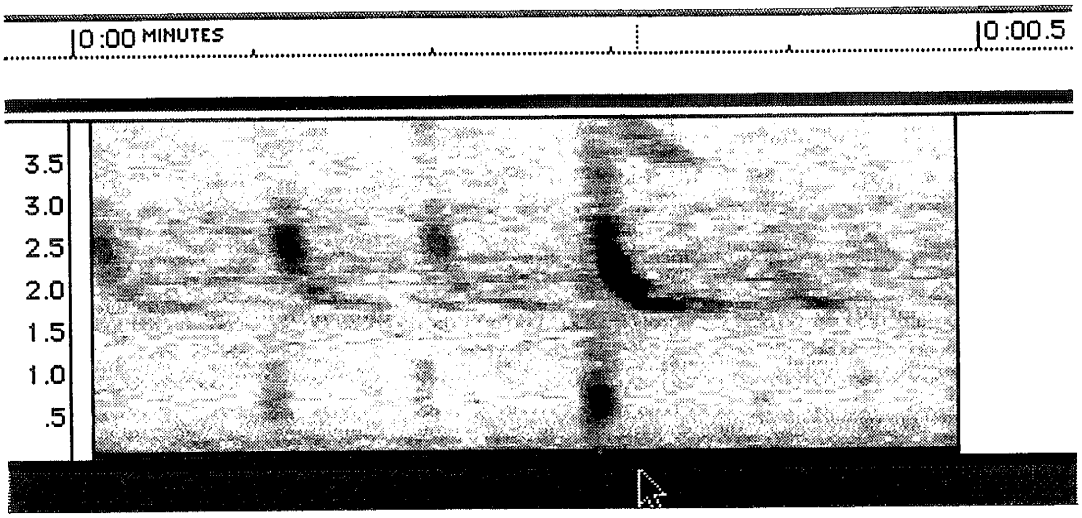
7.3C 07:05 (:30) 0-1.2 kHz ➡ 07:05 WWV tone. No 1 kHz signal.



7.3D 07:05 (:30) 0-4 kHz ➡ burst of tweeks

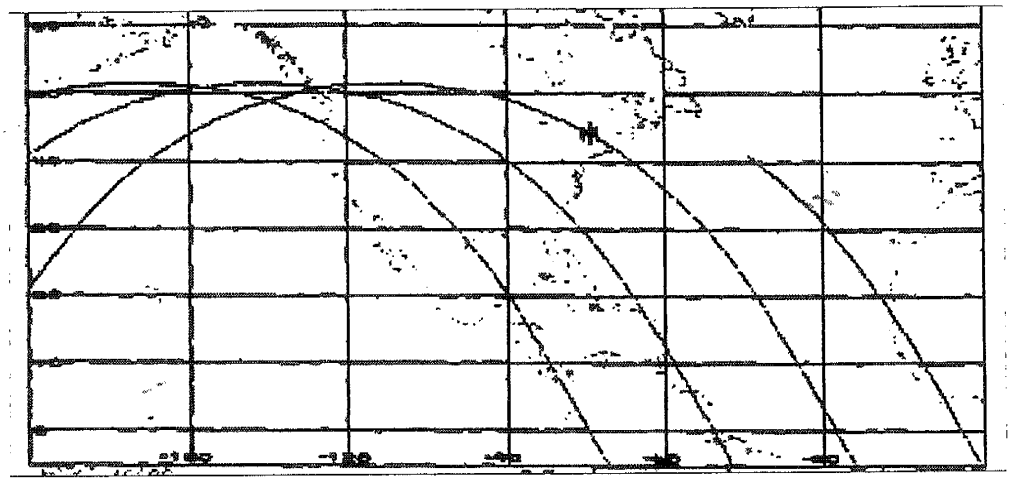


7.3E 07:05:08 (:04) 0-4 kHz ➡ strong tweek

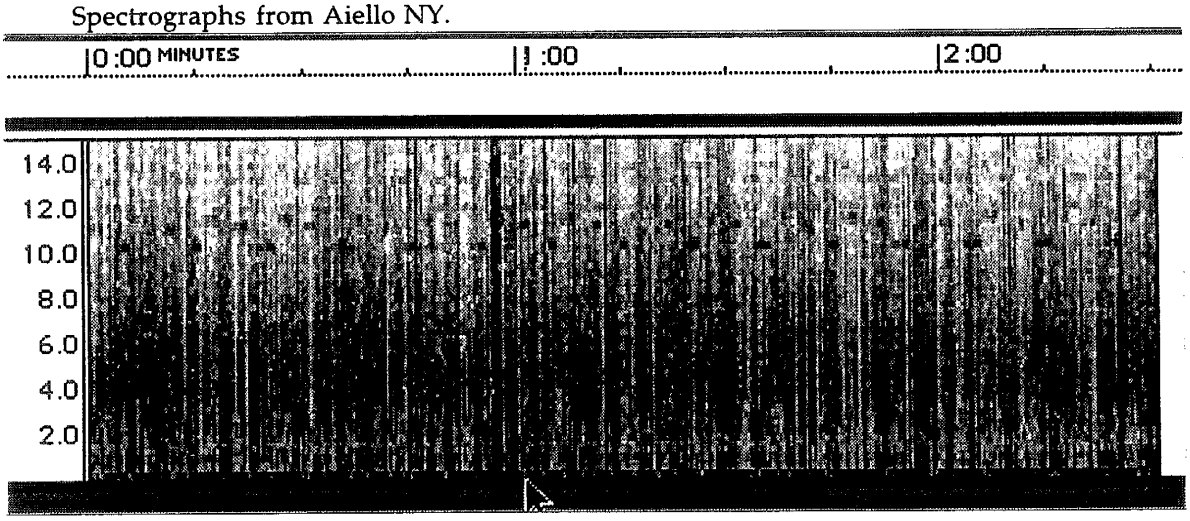


7.3F 07:05:10 (:00.5) 0-4 kHz ➡ strong tweek

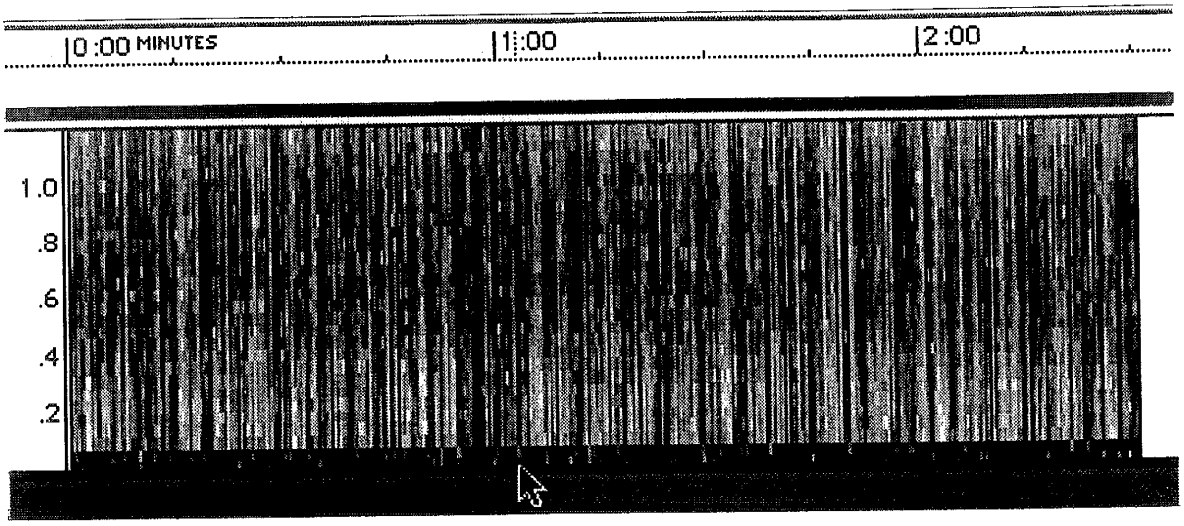
8.5



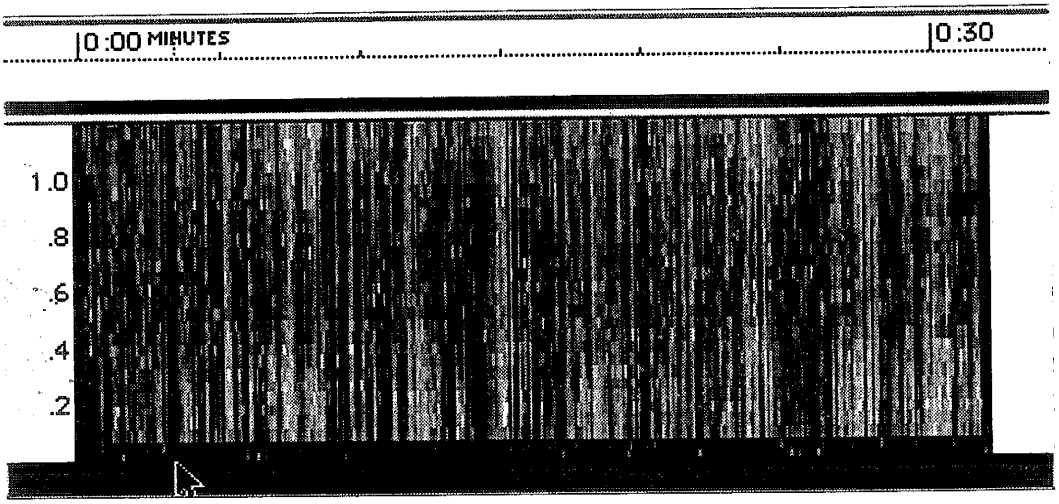
Spectrographs from Aiello NY.



8.5A 09:34 (2:30) 0-15 kHz ➡ 09:35 OMEGA present; heavy sferics

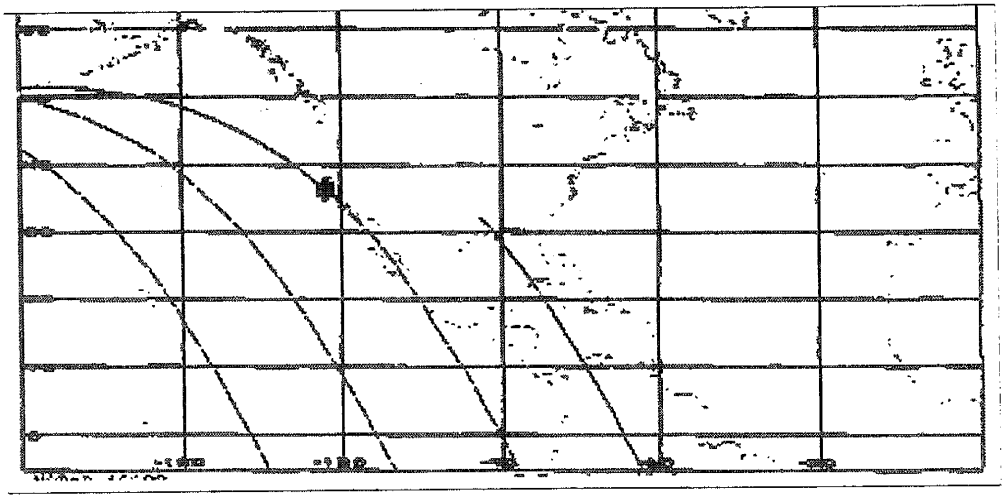


8.5B 09:34 (2:30) 0-1.2 kHz ➡ 09:35

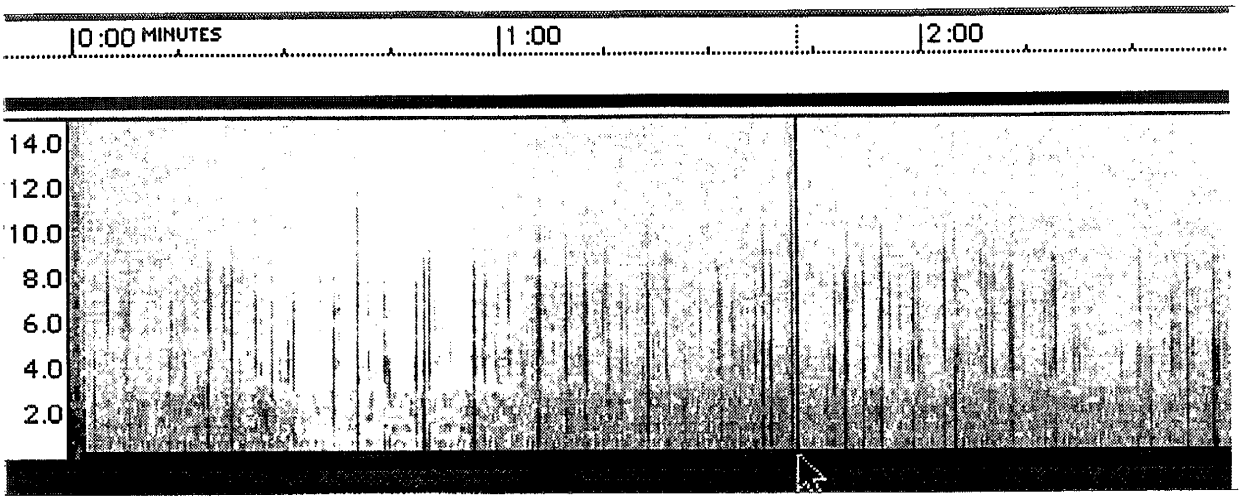


8.5C 09:35 (:30) 0-1.2 kHz ➡ 9:35 "Mark"
No 1 kHz signal, but sferics are so dense that it would be hard to find.

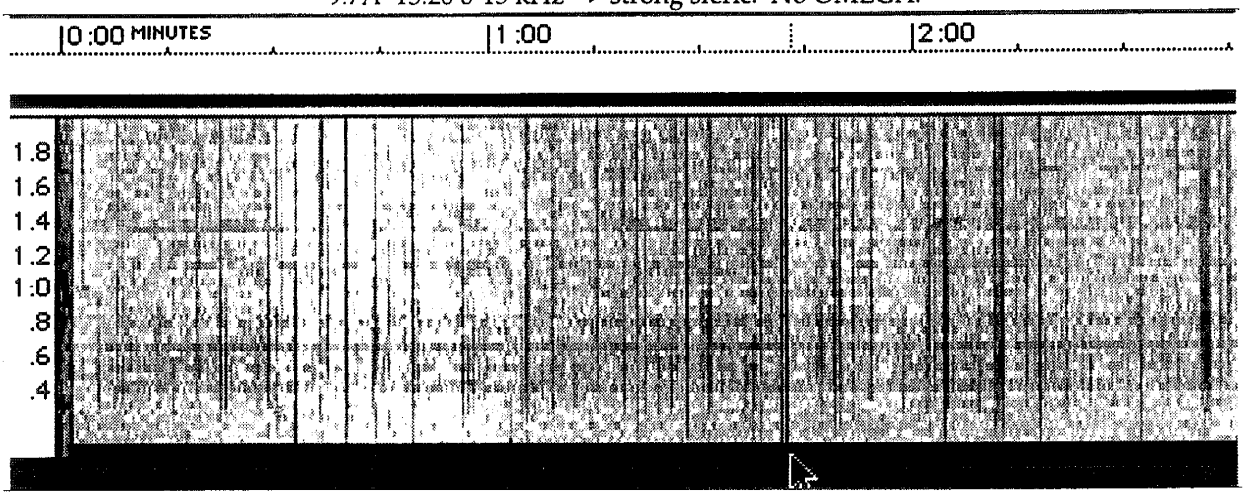
9.7



Spectrographs from Lamb TX.

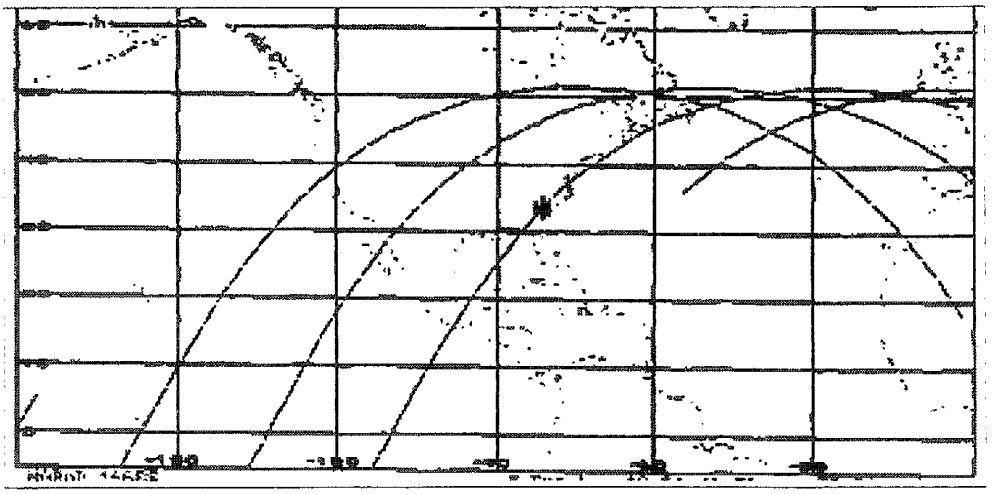


9.7A 13:20 0-15 kHz ➡ strong sferic. No OMEGA.

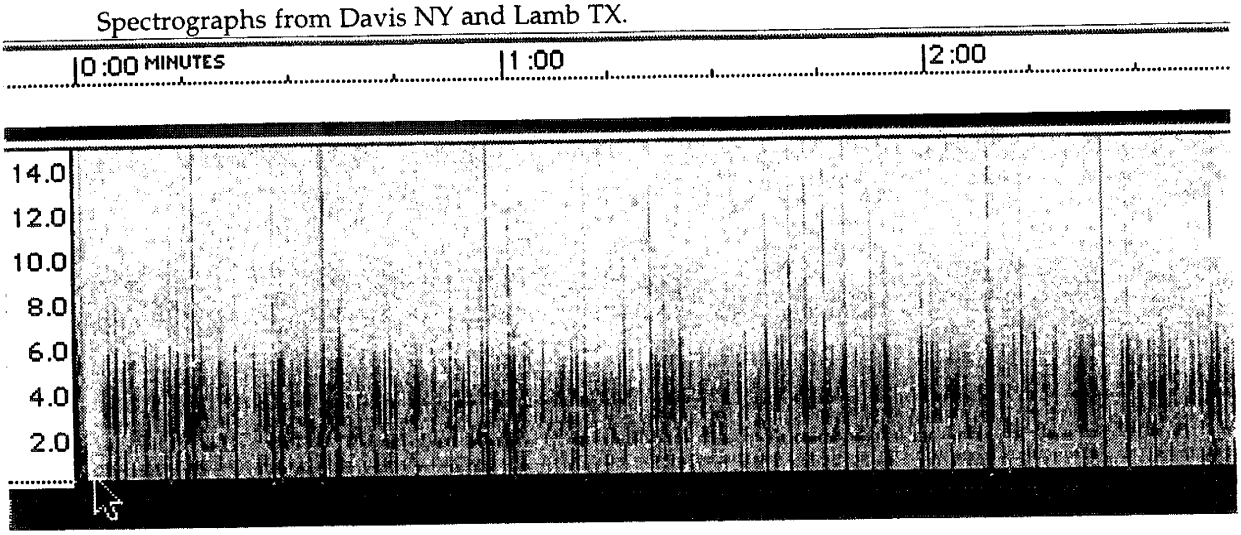


9.7B 13:20 (3:00) 0-2 kHz ➡ strong sferic.
1 kHz WWV tone at 13:20. No 1 kHz signal seen.

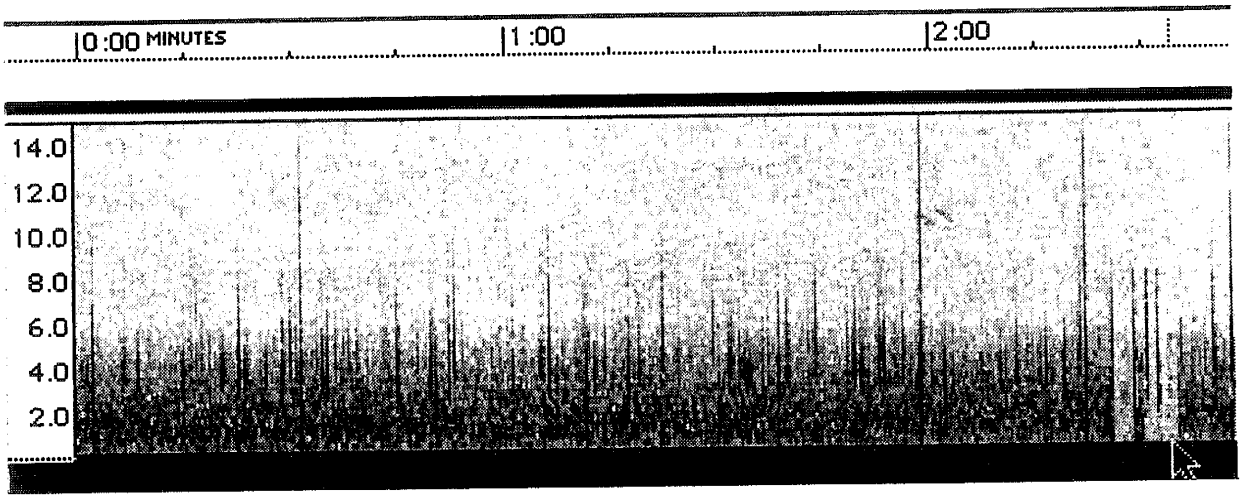
10.1



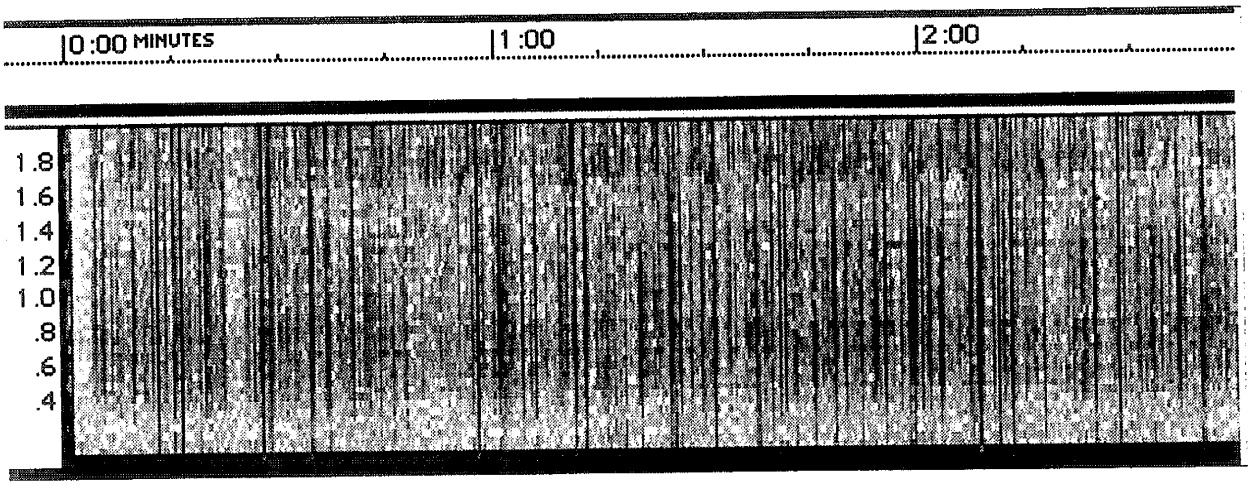
Spectrographs from Davis NY and Lamb TX.



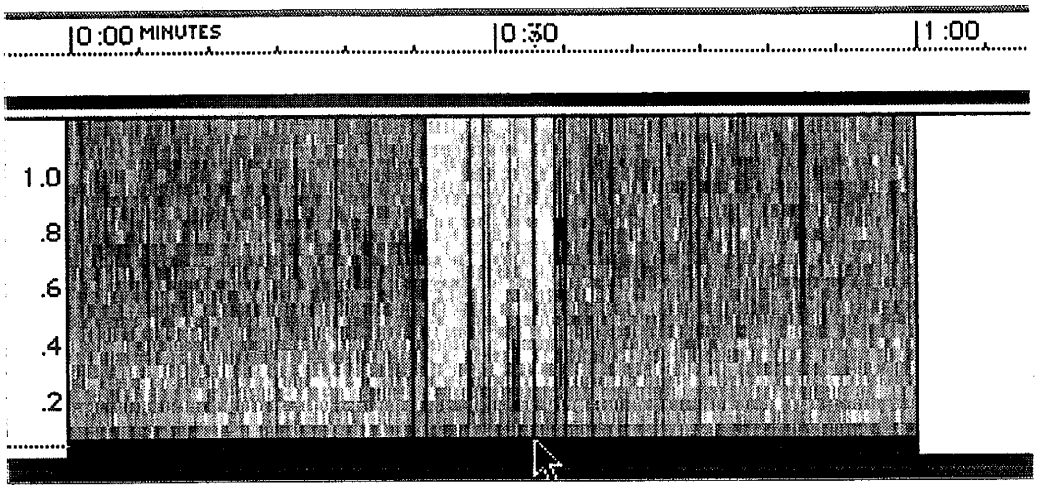
10.1A Lamb TX 02:50 (3:00) ➡ 02:50



10.1B Davis NY 02:52:20 (3:00) ➡ 02:55
Both of the above: No OMEGA; many tweeks.



10.1C Lamb TX 02:50 (3:00) 0-2 kHz No 1 kHz signal detected.



10.1D Davis NY 02:54:30 (1:00) 0-1.2 kHz ➡ 02:55 mark
No 1 kHz signal detected.

While it would be nice to be able to report that we have detected the signal on the ground, it is not necessary to accomplish that to consider the INTMINS operations successful. INSPIRE was able to put several teams in the field in diverse geographic locations across the United States. The Russian scientists provided the instrument operation on board MIR on schedule. We have established a valid procedure for pursuing our space physics studies. As INTMINS continues into the future we will be ready and able to take full advantage of the research opportunities that INTMINS provides.

I would like to thank the faithful observers who were able to participate on short notice and during the summer. I would like to invite all other INSPIRE participants to join in the study - especially the schools. Future data gathering opportunities will be scheduled to make it more convenient for students to be involved.

I would also like to thank Bill Taylor of Nichols Research Corporation and Stat Klimov of the Russian Space Agency for their untiring efforts at organization and coordination. It is through their joint efforts that all of this has been made possible.