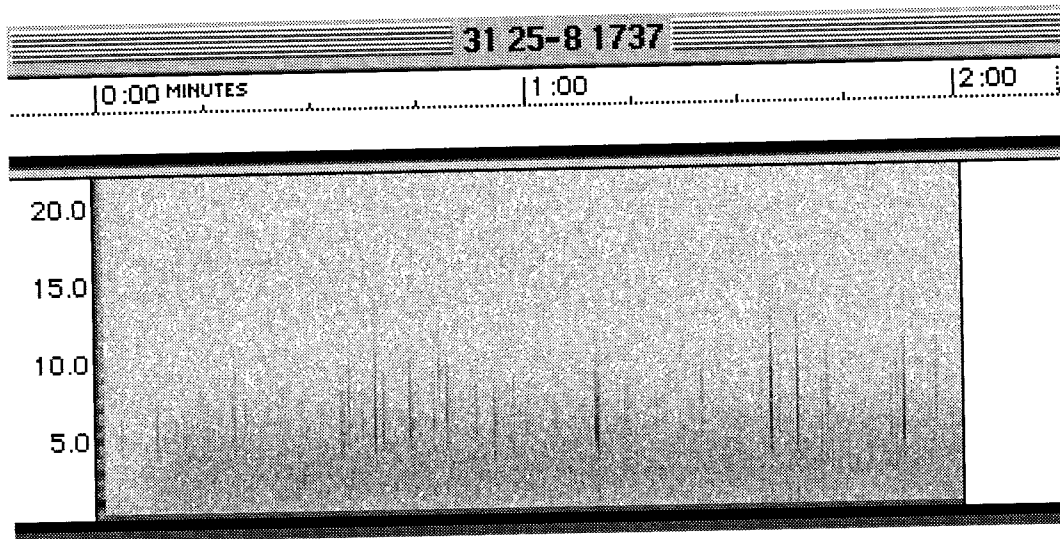
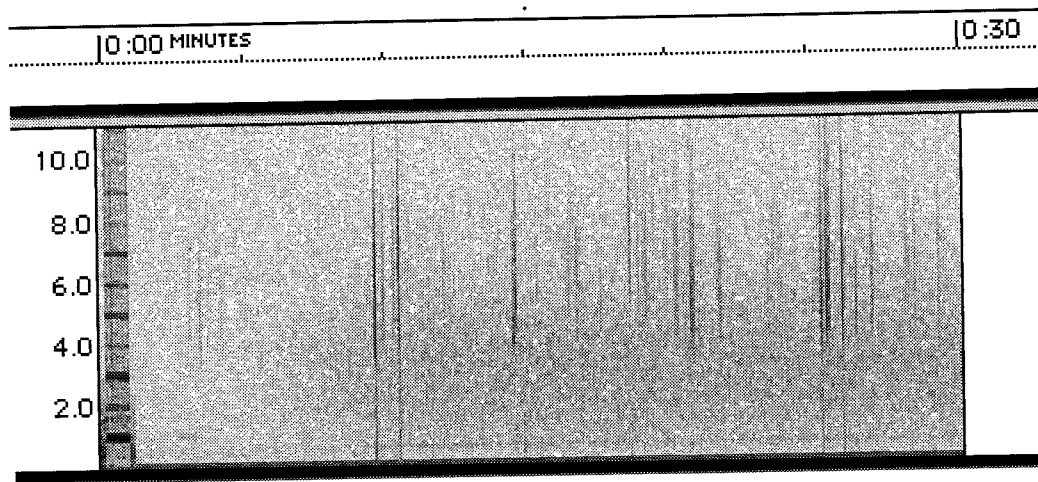
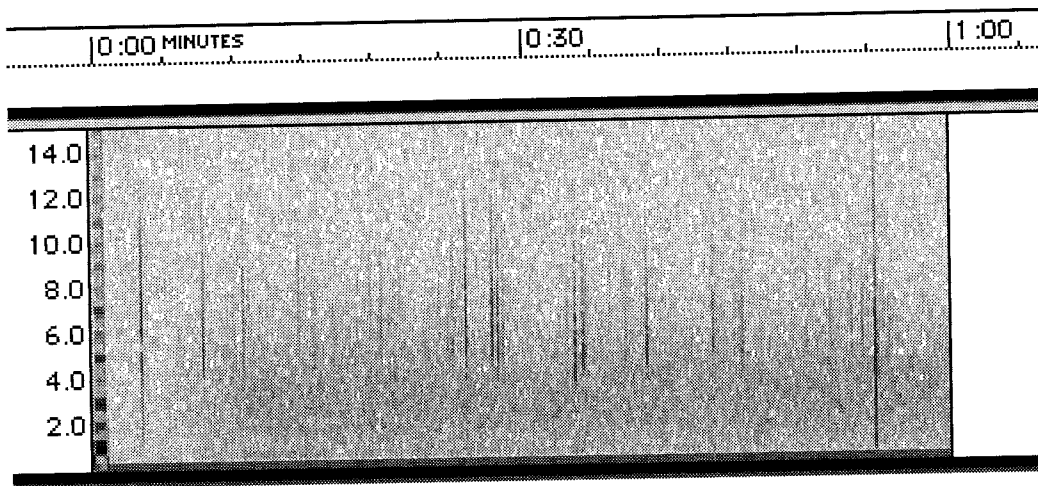


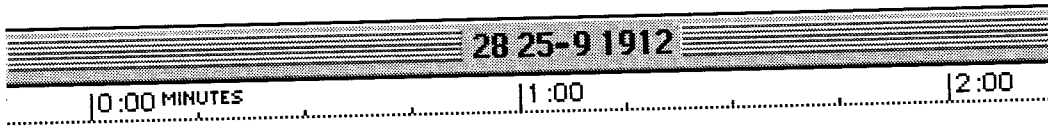
25-8



Team 31 Lee Benson Indianapolis, IN
Almost no hum, but the signal level is a little low.
This was a noisy day in the mid-US.

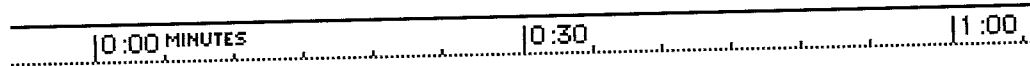


25-9

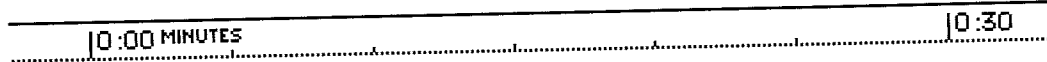


20.0
15.0
10.0
5.0

Team 28 Thomas H. Earnest San Angelo, TX
Noisy conditions with lots of "local" lightning.

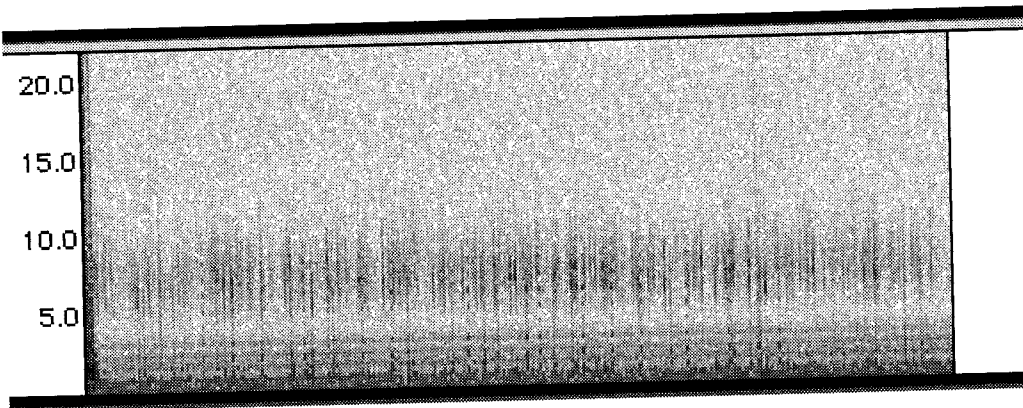
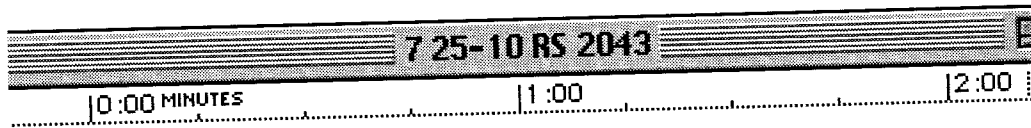


14.0
12.0
10.0
8.0
6.0
4.0
2.0

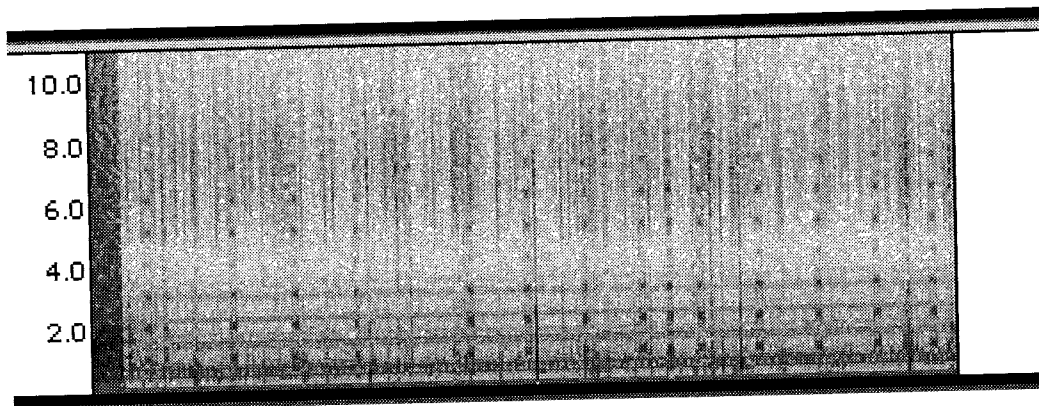
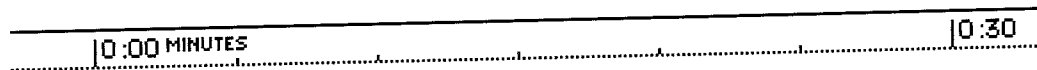
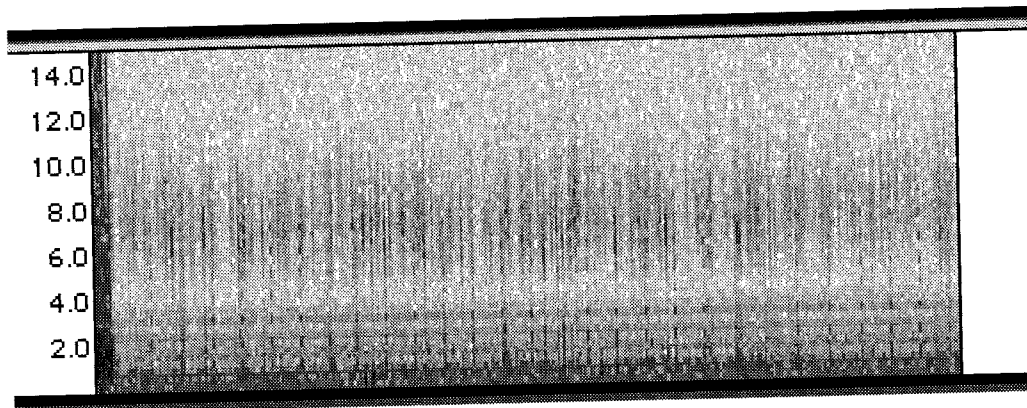
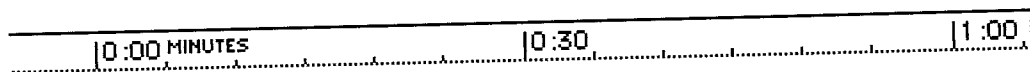


10.0
8.0
6.0
4.0
2.0

25-10



Team 7 Dean Knight Sonoma Valley High School, Sonoma, CA
Good sferics.



Report on Coordinated Observations 4/99

By Bill Pine
Ontario, California

The purpose of the Coordinated Observation Program is to provide an opportunity for INSPIRE participants to gather data at convenient times for purposes of comparing the resulting signals and attempting to interpret them. Since there is no manmade source of VLF that is being studied here, the signals of interest are those of natural origin. As in most natural radio listening, we would like to hear something "interesting". Most of that time that would be whistlers, but other sounds such as tweeks, chorus, triggered emissions and even hiss are also interesting. Whistlers, however, remain the prize for faithful listening. The problem with whistlers is that they are not the most common natural radio signal. Since coordinated listening schedules are determined arbitrarily and in advance of the listening sessions, it is only a matter of luck if whistlers are available to be detected. The experience of the author is that whistlers are heard about once every four or five morning sessions. When they are present, you will probably hear a lot of them until the rotation of the earth carries the ducting magnetic field lines into an unfavorable alignment. Luck was with us in April/99 as many whistlers were observed. The following report includes sample spectrograms from contributing observers.

This table summarizes the sessions monitored by observers.

Date	4/24					4/25				
Time	1200	1300	1400	1500	1600	1200	1300	1400	1500	1600
Team										
1		C	C							
5						E	E	E		
6								P	P	P
11		C	C							
25		C	C							
29							C	C	C	
30			C		C		C	C	C	
31							C	C		
32						C	C			

The times indicated are UT times.

The letter in the box indicates the time zone of the observer:

E = EDT = UT-5, C=CDT = UT-6, M = MDT = UT-7 and P = PDT = UT-8

Observers:	Team 1	Jack Lamb, Belton, Texas	(CDT)
	Team 5	Jean-Claude Touzin, St. Vital, Quebec, CANADA	(EDT)
	Team 6	Bill Pine, Chaffey high School, Ontario, CA	(PDT)
	Team 11	Mark Mueller, Brown Deer High School, Brown Deer, WI	(CDT)
	Team 25	Norm Anderson, Cedar Falls, Iowa	(CDT)
	Team 27	Ron Janetzke, San Antonio, TX	(CDT)
	Team 29	Janet Lowry, Houston, Texas	(CDT)
	Team 30	Linden Lundback, Watrous, Saskatchewan, CANADA	(CDT)
	Team 31	Lee Benson, Indianapolis, IN	(CDT)
	Team 32	Shawn Korgan, Gilcrest, CO	(MDT)