INTMINS-November/98 Operations Schedule

NOVEMBER/98 COORDINATED OBSERVATIONS SCHEDULE

Coordinated observations provide an opportunity for all INSPIRE participants to listen to and record natural radio simultaneously. The procedure will be as follows:

1. Use the Data Cover Sheet and Data Log as with the INTMINS observations.
2. Record for 12 minutes at the start of each hour that you can monitor on the specified days.
3. Place a time mark on the tape on the hour and each two minutes for the next 12 minutes.
4. Record at 8 AM and 9 AM **LOCAL** time.
5. In addition, record on other hours to compare results with those in neighboring time zones. For example, an observer in the Central Time Zone might record at 7 AM (8 AM EDT), at 8 and 9 AM CDT and at 10 AM (9 AM MDT).
6. Use 60 minute tapes (30 minutes per side) with two sessions per side.
7. Label all tapes and logs to indicate the sessions monitored and send to the same address as indicated for the INTMINS tapes.
8. Your tapes will be returned with spectrograms of your data. An article reporting on the results will appear in the next *Journal*. .
9. SPECIAL NOTE: If you are hearing whistlers, replace the data tape after 12 minutes with a "Whistler" tape and continue recording with time marks every two minutes. If we get whistlers, this would be a good opportunity to try to determine the "footprint" of a whistler (the "footprint" is the geographical area where a whistler can be detected).

Specified Coordinated Observation Dates for April/98:

Saturday, NOVEMBER 28 and Sunday, NOVEMBER 29

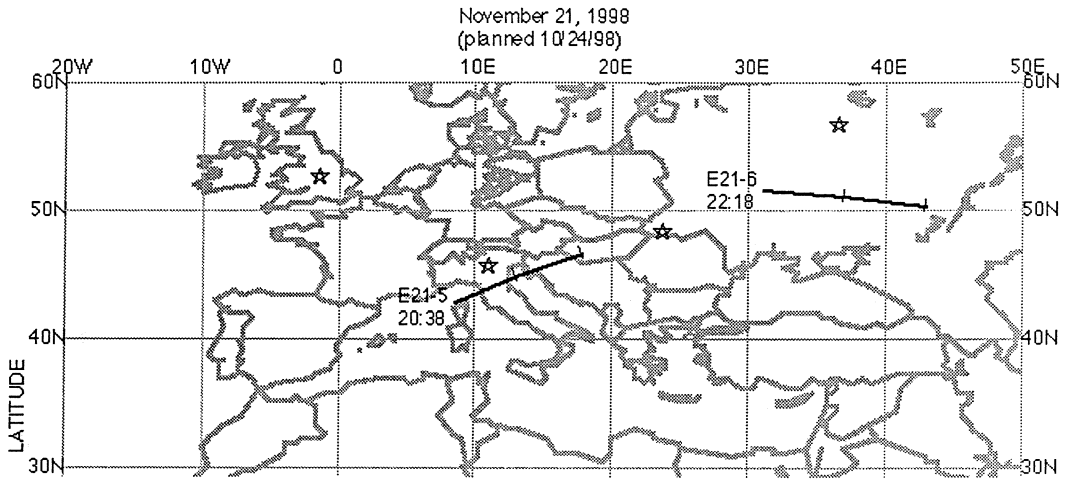
INTMINS OBSERVATIONS SCHEDULED FOR NOVEMBER/98

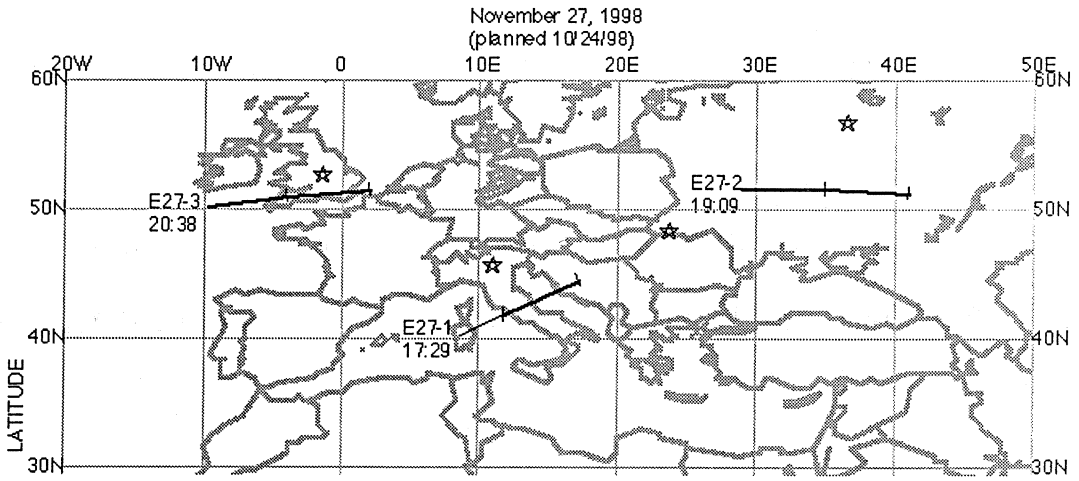
Please read the article on Page 5 of the *Journal* for data taking procedures. The following maps show the ground track of MIR while ISTOCHNIK is operating. The time indicated on the map is the "T-time" as described in the article (all times are UT).

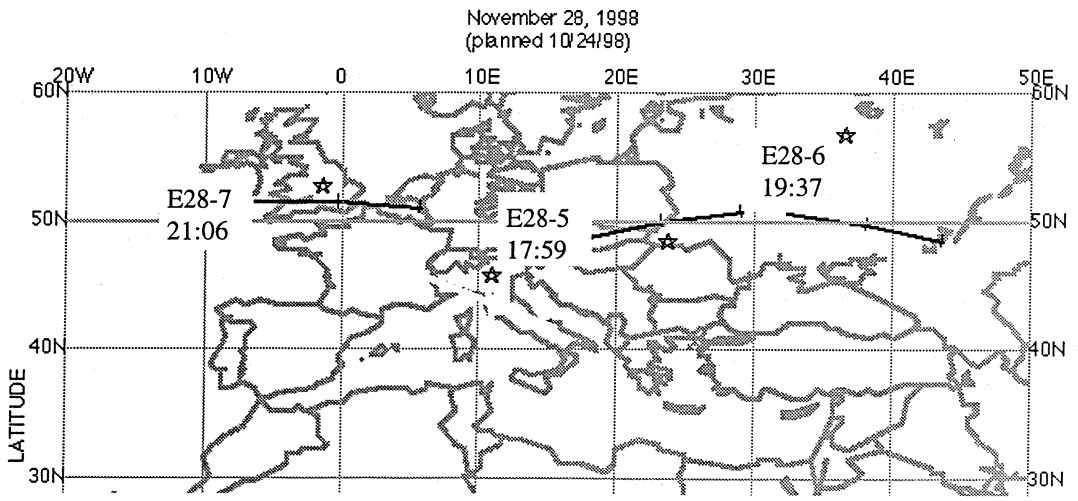
On all passes, MIR moves from west to east (left to right). The ground track shown is 2 minutes long which corresponds to the actual firing time of ISTOCHNIK. The passes are numbered with the UT date followed by the operation number on that day. Some passes late in the day are on the PREVIOUS date LOCAL TIME. Operations are numbered sequentially although they may not occur on consecutive orbits. European passes are identified with an "E".

NOTE: On the track maps, the operation number appears near the <u>western</u> end of the track. All tracks proceed from west to east.

European Passes:

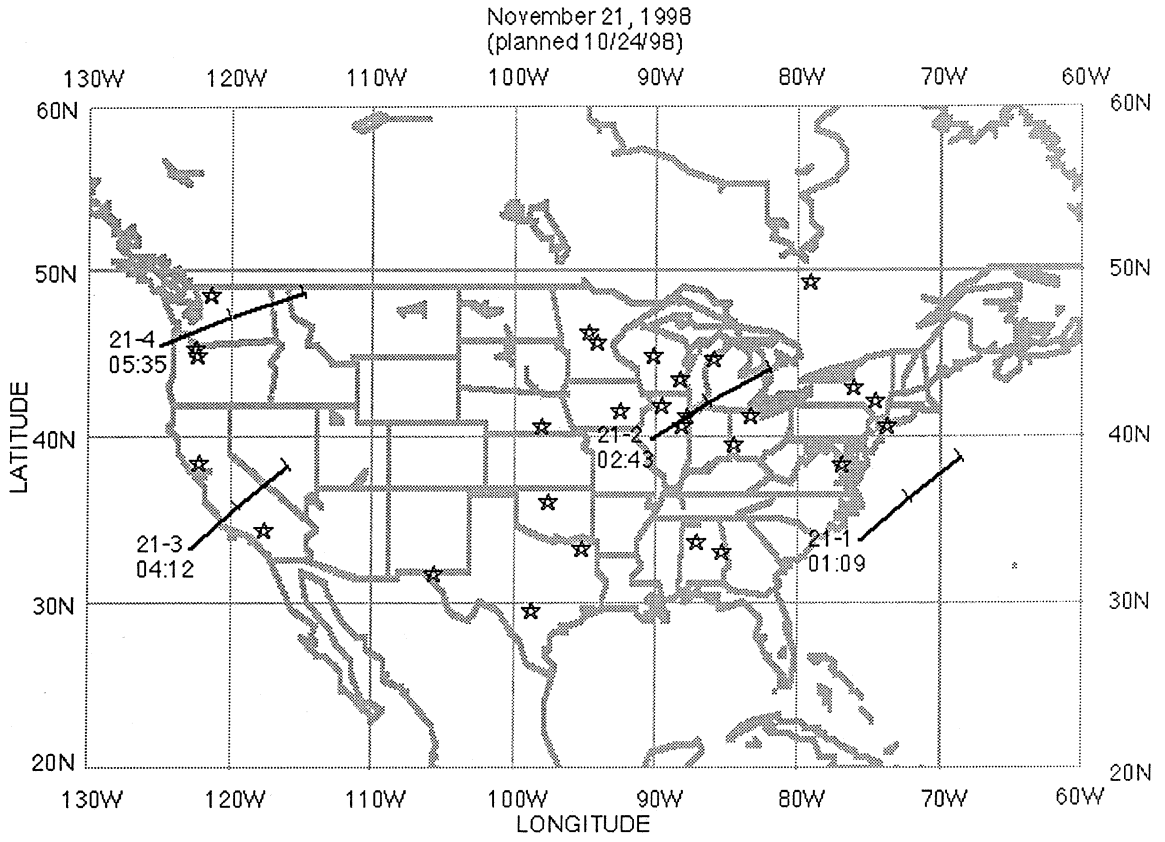


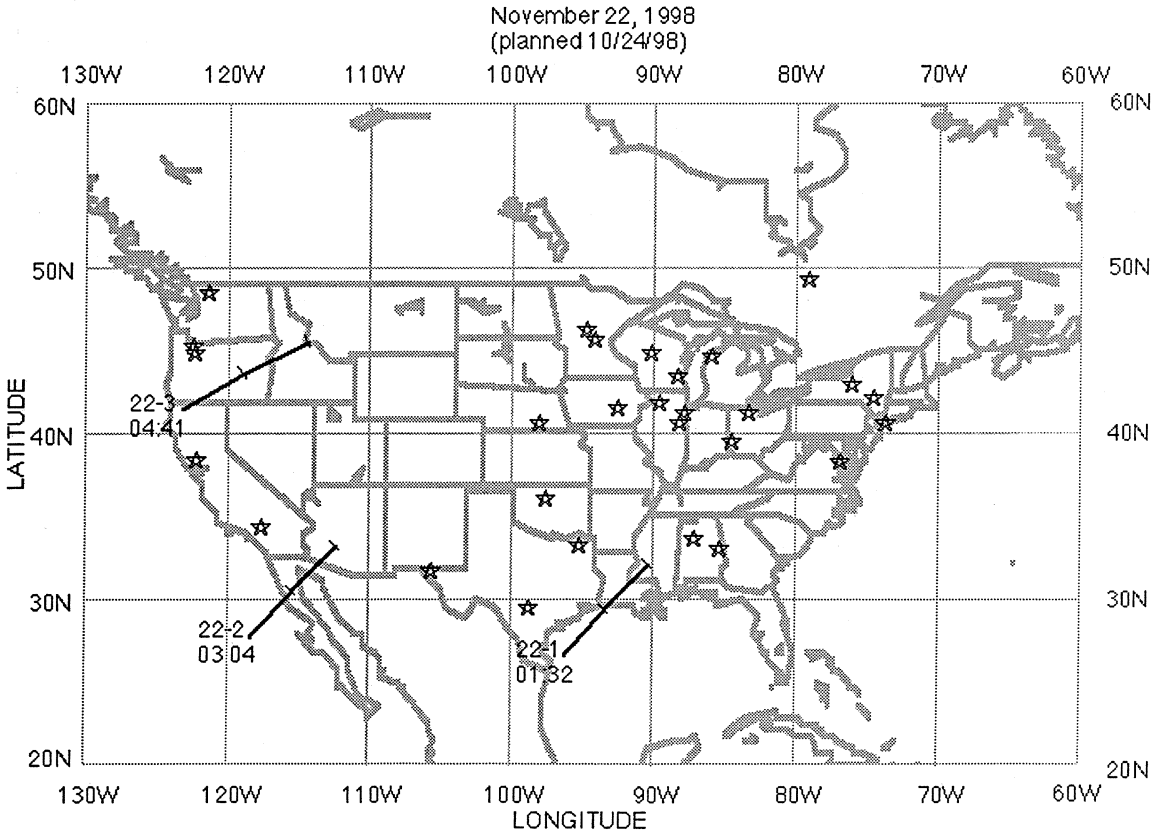




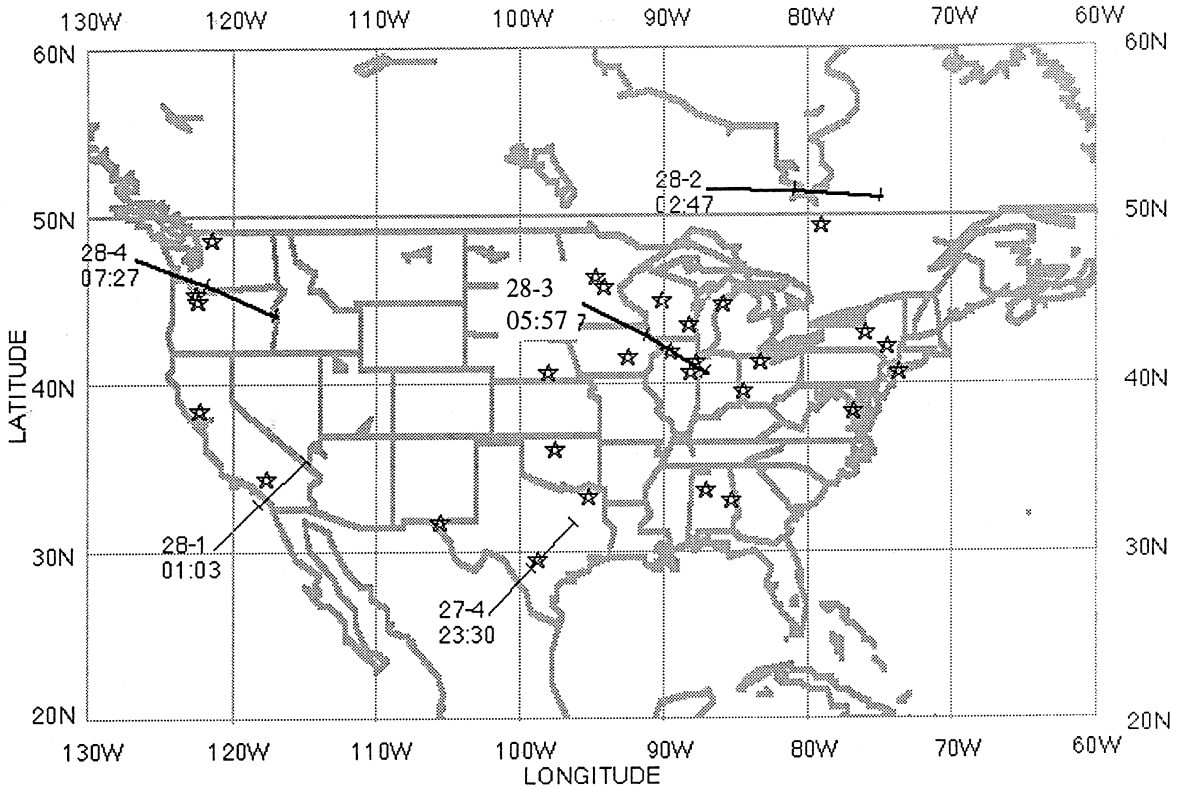
Pass Number	UT Date	Tape Start UT	ISTOCHNIK Start (T-time) UT	Tape Stop UT
21-1	11/21	0057	0109	0122
21-2	11/21	0231	0243	0256
21-3	11/21	0400	0412	0425
21-4	11/21	0523	0535	0548
E21-5	11/21	2026	2038	2051
E21-6	11/21	2206	2218	2231
22-1	11/22	0120	0132	0145
22-2	11/22	0252	0304	0317
22-3	11/22	0429	0441	0454
E27-1	11/27	1717	1729	1742
E27-2	11/27	1857	1909	1922
E27-3	11/27	2026	2038	2051
27-4	11/27	2318	2330	2343
28-1	11/28	0051	0103	0116
28-1	11/28	0235	0247	0300
28-3	11/28	0545	0557	0610
28-4	11/28	0715	0727	0740
E28-5	11/28	1747	1759	1812
E28-6	11/28	1925	1937	1950
E28-7	11/28	2054	2106	2119
28-8	11/28	2216	2228	2241
28-9	11/28	2345	2357	0010
29-1	11/29	0119	0131	0144
29-2	11/29	0303	0315	0328
29-3	11/29	0437	0449	0502
29-4	11/29	0615	0627	0640

North American Passes:

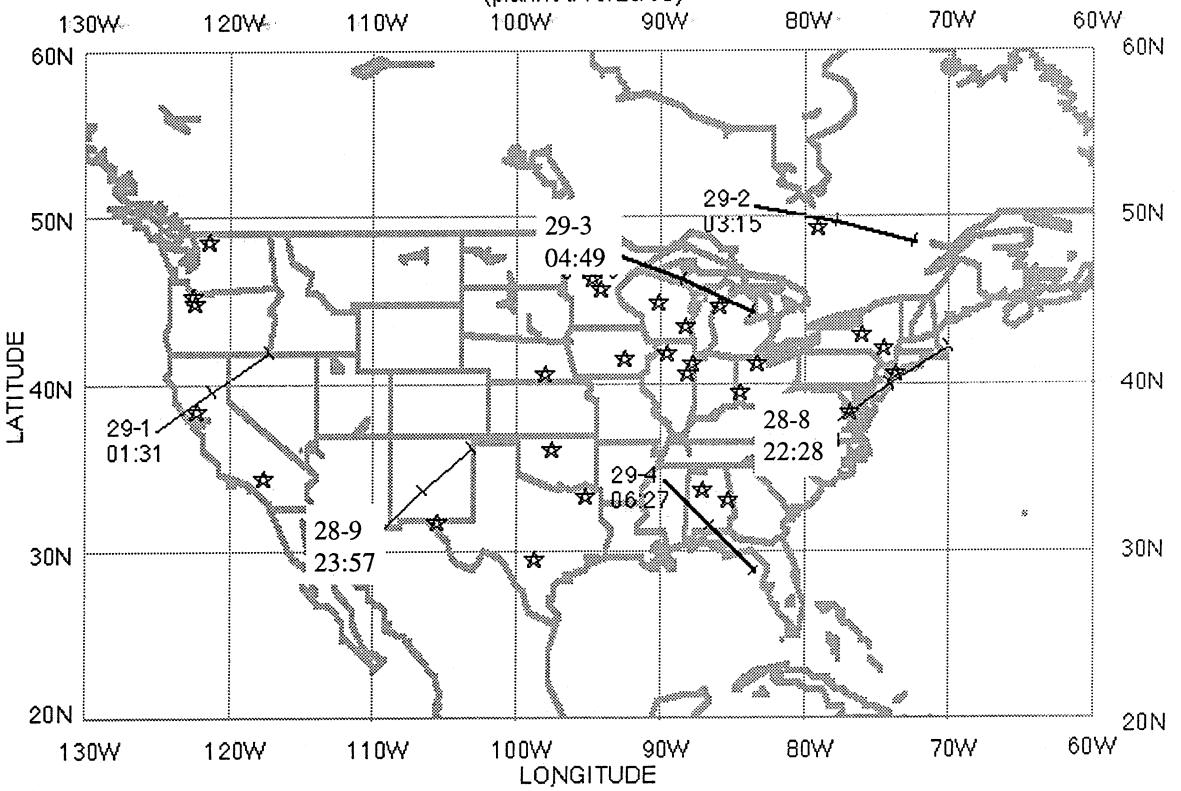




November 27-28, 1998
(planned 10/25/98)



November 28-29, 1998
(planned 10/25/98)



UT to Local Time Conversion Table for T-times
(North American Passes)

Operation	UT Date	T-time	EDT UT-4	CDT UT-5	MDT UT-6	PDT UT-7
21-1	11/21	0109	*2009	*1909	*1809	*1709
21-2	11/21	0243	*2143	*2043	*1943	*1843
21-3	11/21	0412	*2312	*2212	*2112	*2012
21-4	11/21	0535	0035	*2335	*2235	*2135
22-1	11/22	0132	*2032	*1932	*1832	*1732
22-2	11/22	0304	*2204	*2104	*2004	*1904
22-3	11/22	0441	*2341	*2241	*2141	*2041
27-4	11/27	2330	1830	1730	1630	1530
28-1	11/28	0103	*2003	*1903	*1803	*1703
28-1	11/28	0247	*2147	*2047	*1947	*1847
28-3	11/28	0557	0057	*2357	*2257	*2157
28-4	11/28	0727	0227	0127	0027	*2327
28-8	11/28	2228	1728	1628	1528	1428
28-9	11/28	2357	1857	1757	1657	1557
29-1	11/29	0131	*2031	*1931	*1831	*1731
29-2	11/29	0315	*2215	*2115	*2015	*1915
29-3	11/29	0449	*2349	*2249	*2149	*2049
29-4	11/29	0627	0127	0027	*2327	*2227

NOTE: An asterisk (*) indicates a local date on the date PRECEDING the UT date. Late evening passes are on the date preceding the UT date.

Example: Operation 21-1 has a T-time of 0109 UT on 11/21. On the East Coast, where this operation is best situated, participants would record using a T-time of 2009 EST on 11/20/98.