Plate 1. A representative example of the best performance of the detector, relative to an analyst. Operational settings are used: Xthl = 2.0, Xth2 = 1.5, Filhi = 0.2 sec, Fillo = 2.0 sec, Win = 4.0 sec. Even though cultural noise is obvious for the first one-half of the day, only ~6 triggers are related to this type of noise. There are not any microseism-related false alarms. Almost all of the clear signals are detected and timed adequately. So that the reader can make an independent evaluation, the output of the detector is shown below.

P	LB	QUALITY	YR	DAY	HR	MIN	SEC	AMPLITUDE	PERIOD	S'
C	1	00158	0	283	00	15	18.72	0.6798E+05	0.84	0.8643E+04
D	1	11122	0	283	00	57	27.37	0.1540E+05	0.38	0.8728E+04
D	0	10311	0	283	02	15	10.62	0.4679E+05	0.55	0.8994E+04
D	2	00112	0	283	03	17	30.32	0.2135E+05	0.44	0.1168E+05
C	0	00256	0	283	03	49	42.17	0.5727E+05	0.68	0.9948E+04
D	0	01233	0	283	05	22	40.67	0.3757E+05	0.80	0.6962E+04
C	1	00134	0	283	06	04	09.12	0.4630E+05	0.84	0.8778E+04
C	0	00344	0	283	06	23	40.37	0.5625E+05	0.89	0.1004E+05
C	1	11122	0	283	08	36	19.02	0.1938E+05	0.40	0.8769E+04
C	2	01112	0	283	10	27	29.17	0.2043E+05	0.41	0.1048E+05
C	0	01221	0	283	10	31	03.77	0.1742E+05	0.38	0.9953E+04
C	0	01331	0	283	10	56	16.42	0.2567E+05	0.71	0.8437E+04
C	0	11232	0	283	11	00	39.57	0.1942E+05	0.59	0.7516E+04
C	2	11112	0	283	11	10	20.17	0.1963E+05	0.39	0.1196E+05
D	0	00399	0	283	11	45	00.07	0.1064E+06	0.95	0.5964E+04
C	1	00122	0	283	11	55	50.97	0.1630E+05	0.61	0.6715E+04
D	1	11122	0	283	14	04	45.92	0.1224E+05	0.32	0.6774E+04
D	1	21232	0	283	14	06	26.42	0.4349E+05	0.65	0.6774E+04
C	1	11132	0	283	15	22	41.22	0.2071E+05	0.68	0.6213E+04
C	0	01213	0	283	15	41	02.92	0.2704E+05	0.56	0.6037E+04
D	0	01222	0	283	15	43	23.02	0.4167E+05	0.41	0.9997E+04
D	0	11568	0	283	15	47	45.82	0.4188E+05	0.52	0.5468E+04
C	1	11122	0	283	16	11	23.47	0.2181E+05	0.37	0.1018E+05
C	0	10499	0	283	16	32	49.52	0.6659E+05	0.86	0.5159E+04
C	0	00222	0	283	16	36	10.12	0.2278E+05	0.80	0.1117E+05
D	0	10246	0	283	18	18	55.12	0.3496E+05	0.66	0.5944E+04
C	2	01112	0	283	18	30	17.12	0.4879E+05	0.37	0.5752E+04
D	0	01793	0	283	19	19	33.52	0.3022E+05	0.60	0.3496E+04
D	0	00233	0	283	20	34	22.47	0.9179E+04	0.57	0.3247E+04
C	0	01342	0	283	21	41	24.72	0.1739E+05	0.65	0.4391E+04
D	0	00266	0	283	21	43	08.92	0.5408E+05	0.95	0.8541E+04
D	1	11123	0	283	23	58	44.02	0.1750E+05	0.54	0.6514E+04

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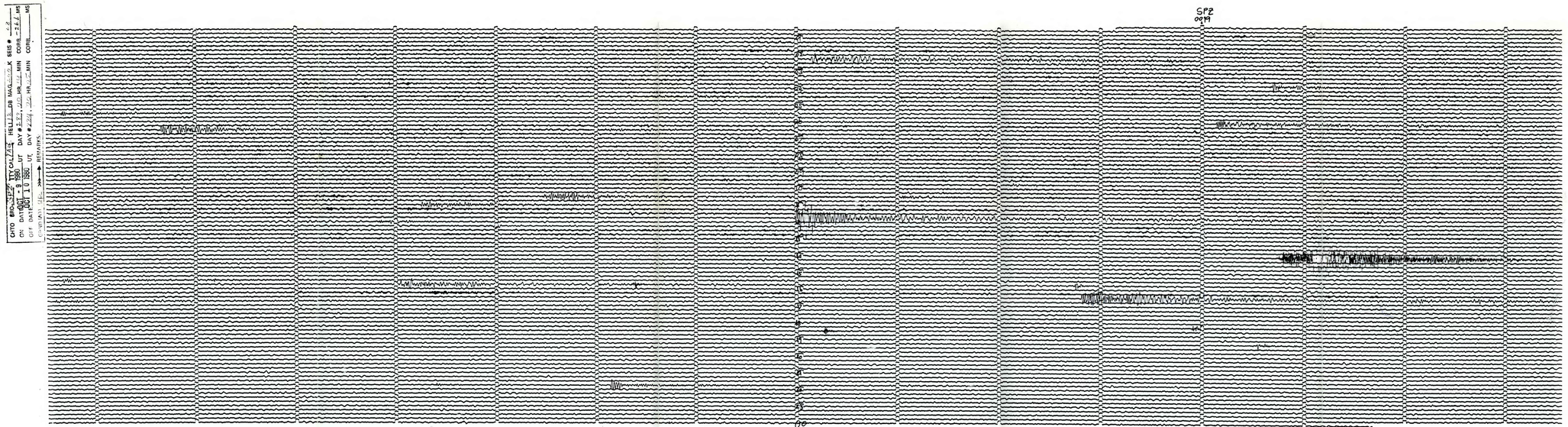
This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.