

Note: Incident in a nearby hour, brought the station IMW (Detroit Region) not broadcast in USGS.

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Quick Picks:

Enter location to center map

intellicast.com

Find Cheap Gas Near You

Save \$\$\$ with MapQuest gas prices.

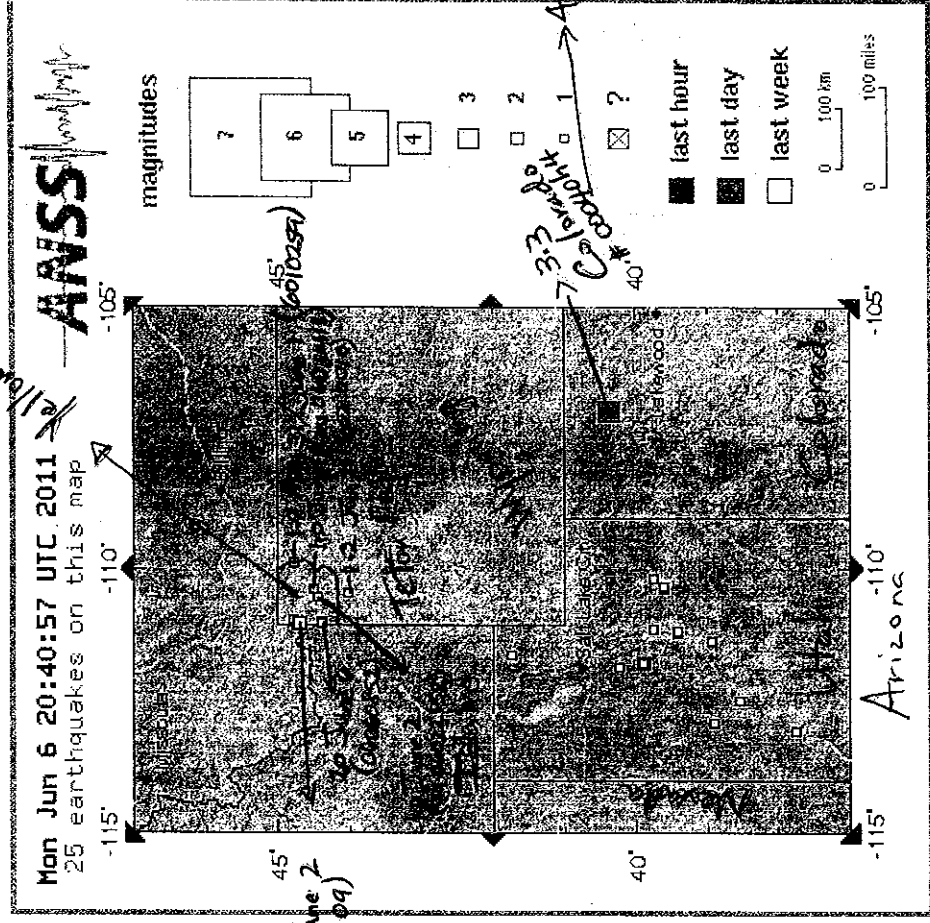
\$2.00



Earthquake Hazards Program

Map Centered at 42°N, 110°W

Yellowstone 40°N 110°W



Attachment 3
Not reported

Jun 2, 2011
H00H SHZ IH 01
(Hoose Ponds, Grand Teton Park, WY)

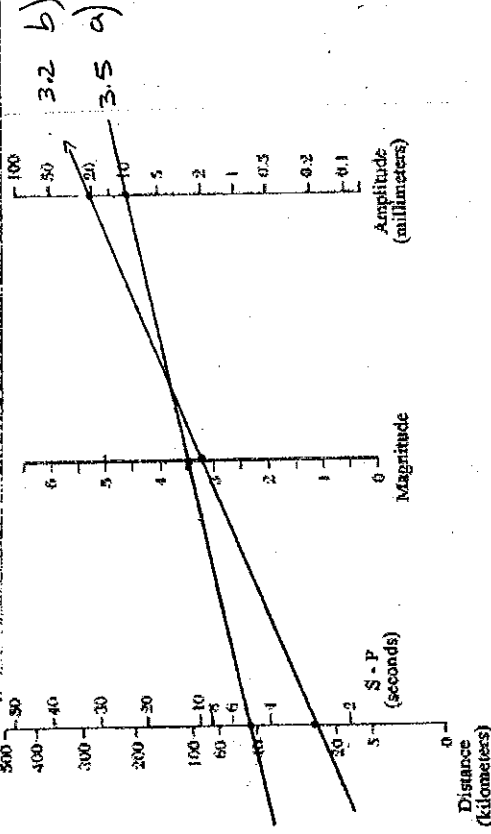
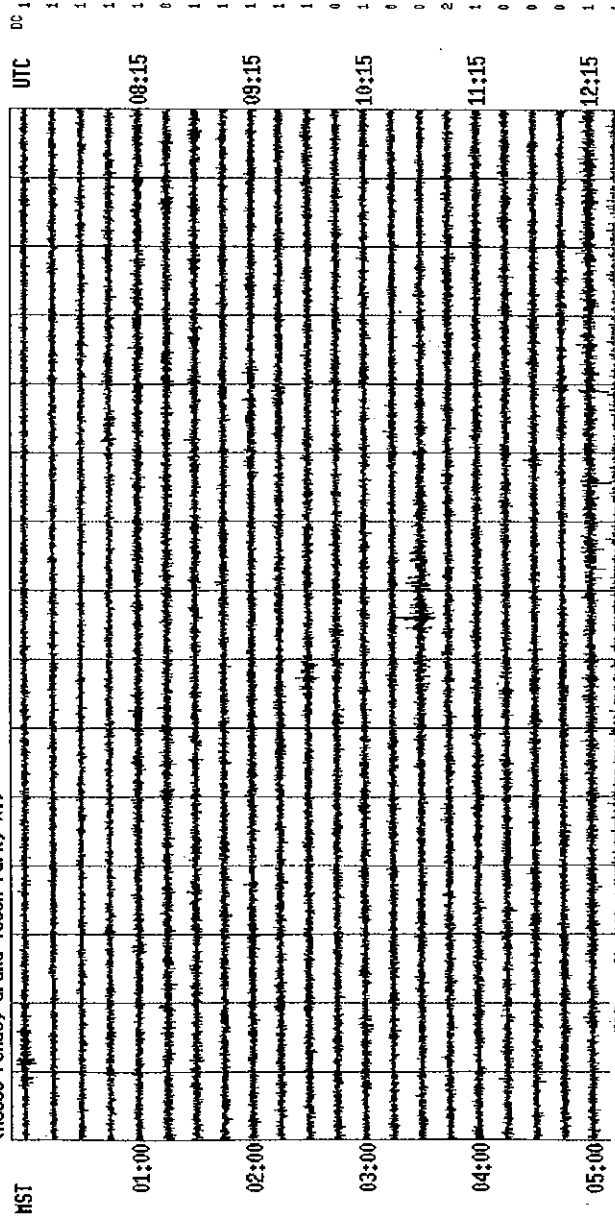
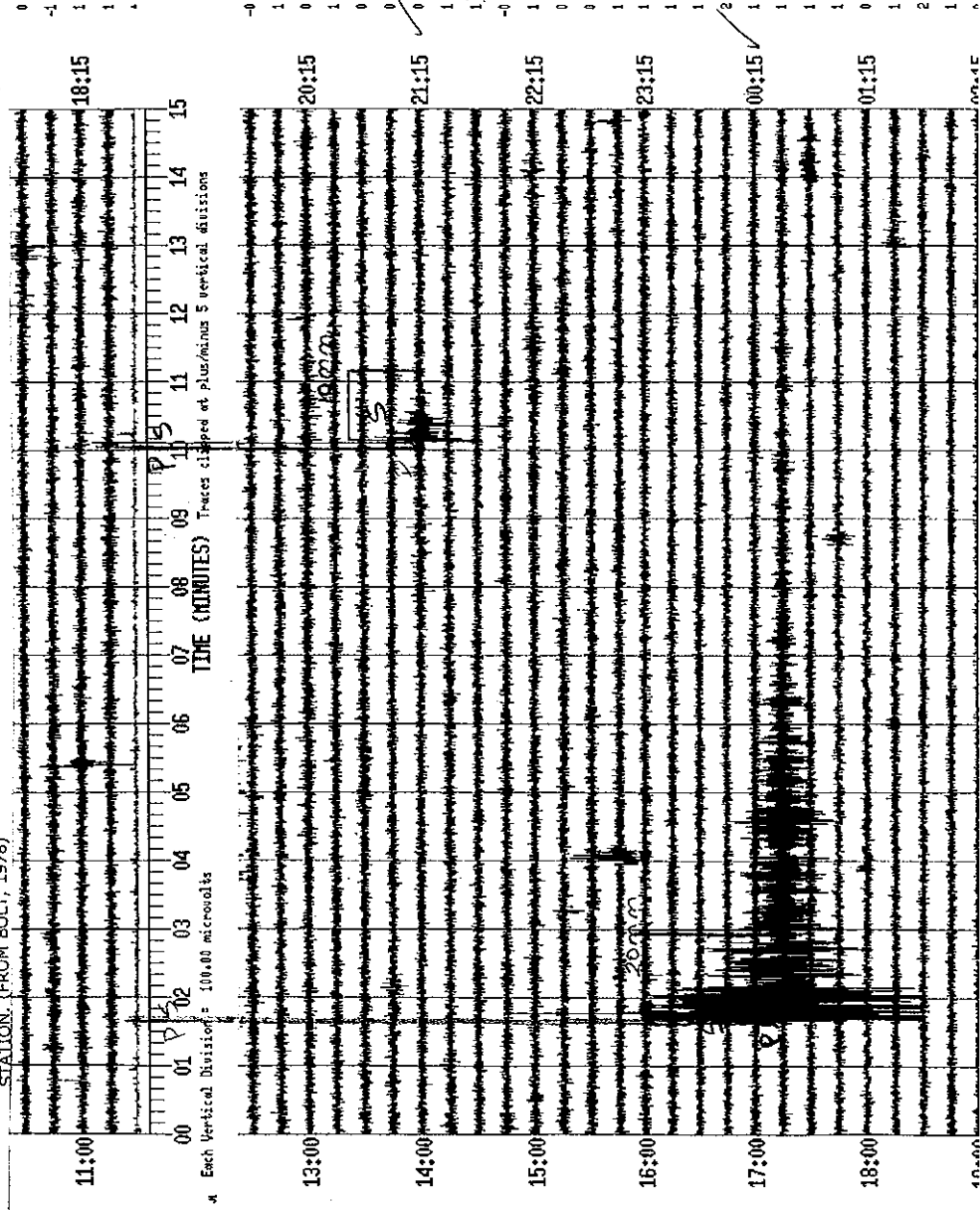
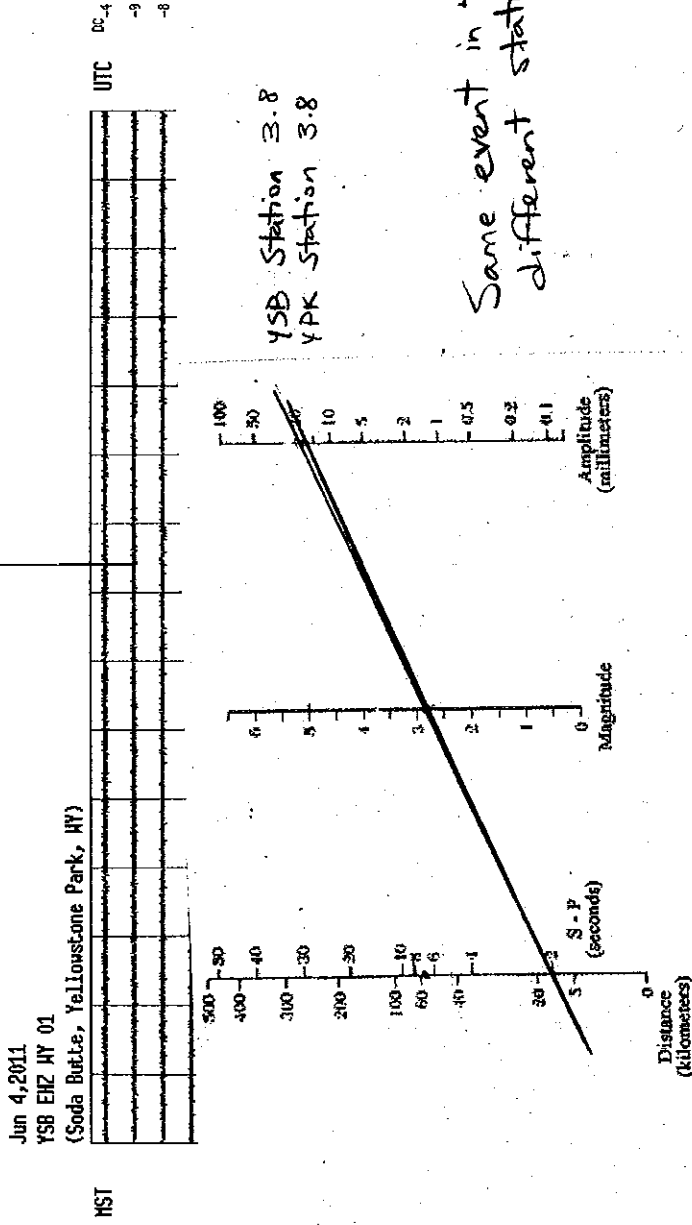


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)

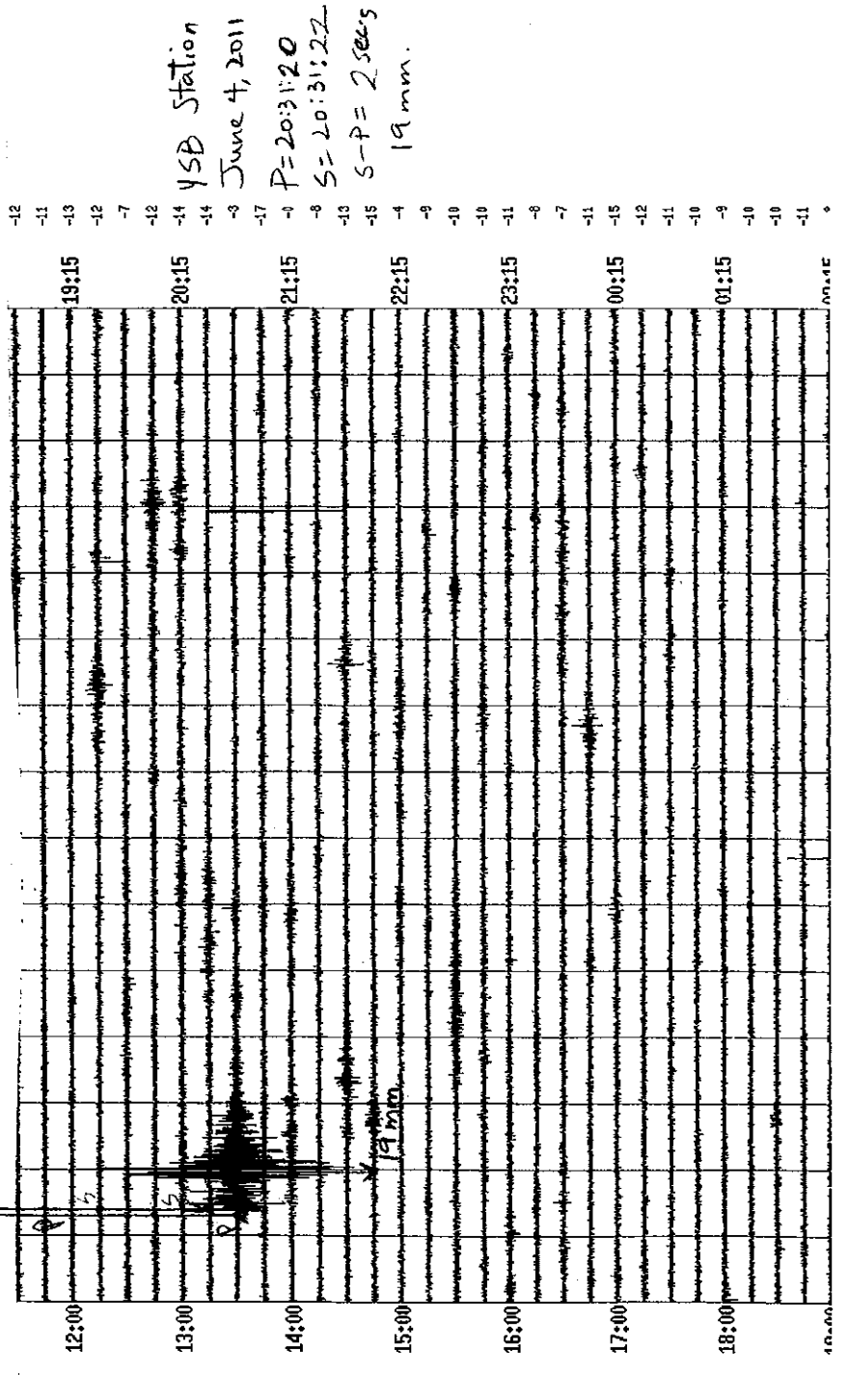
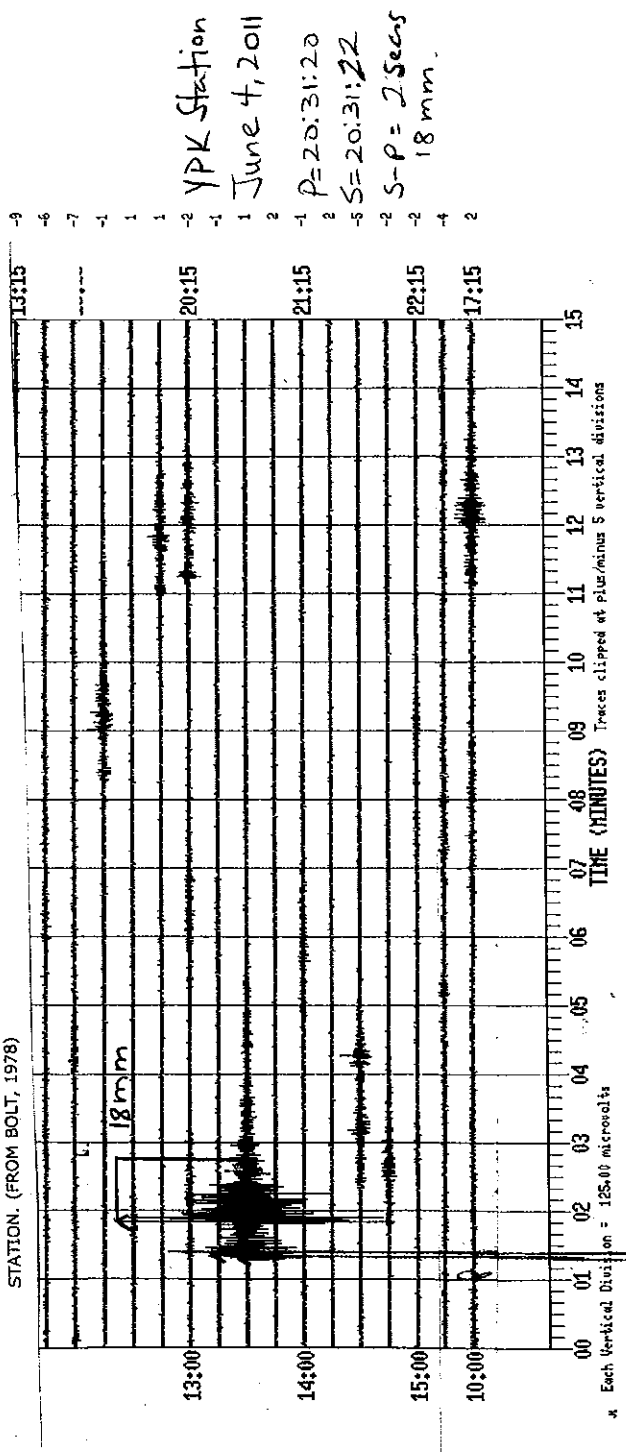


Not reported



Same event in two different stations

FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)



4 events not reported

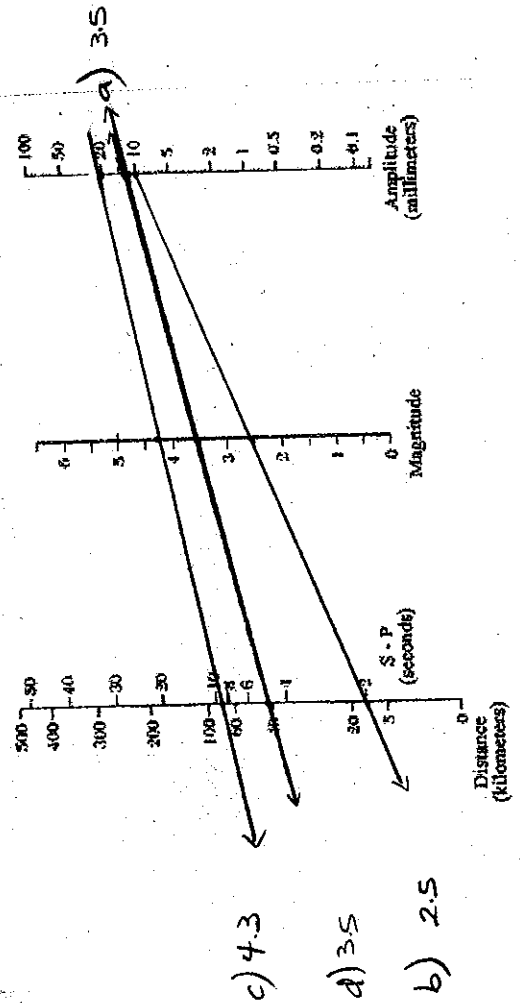
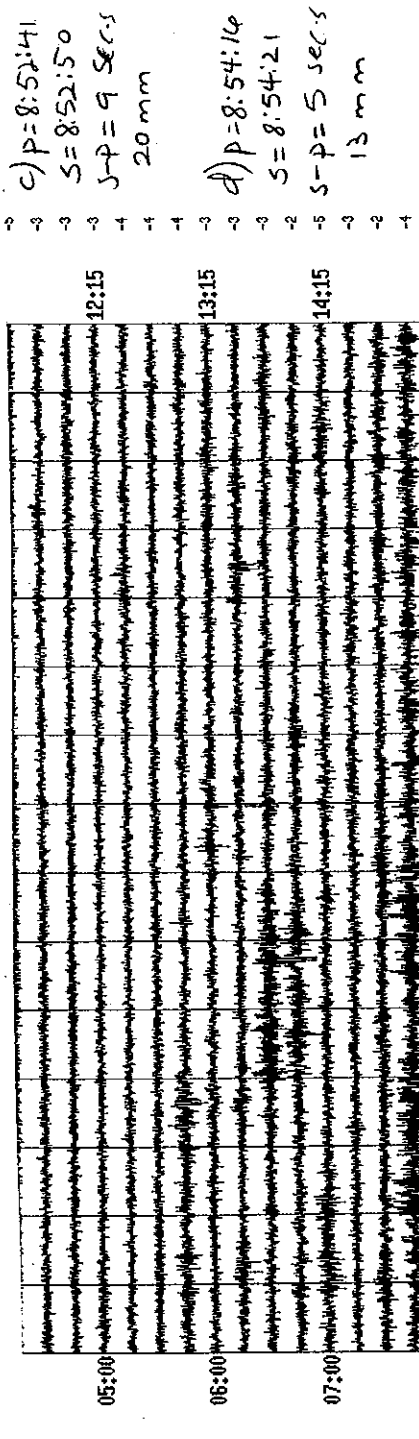
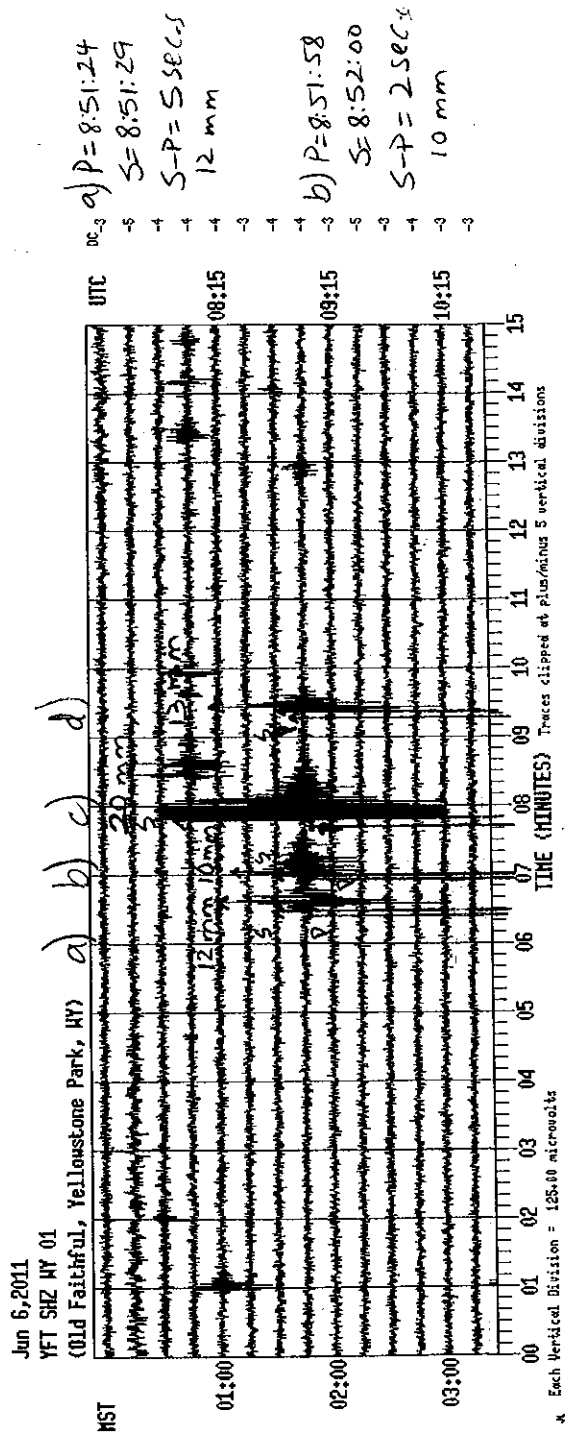
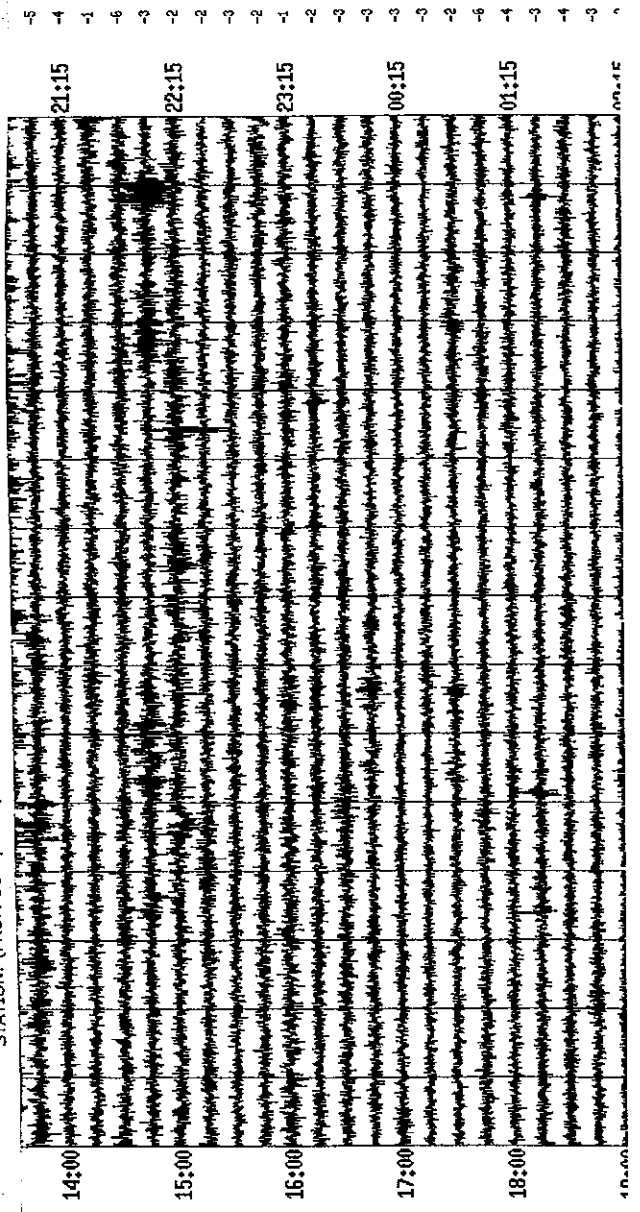
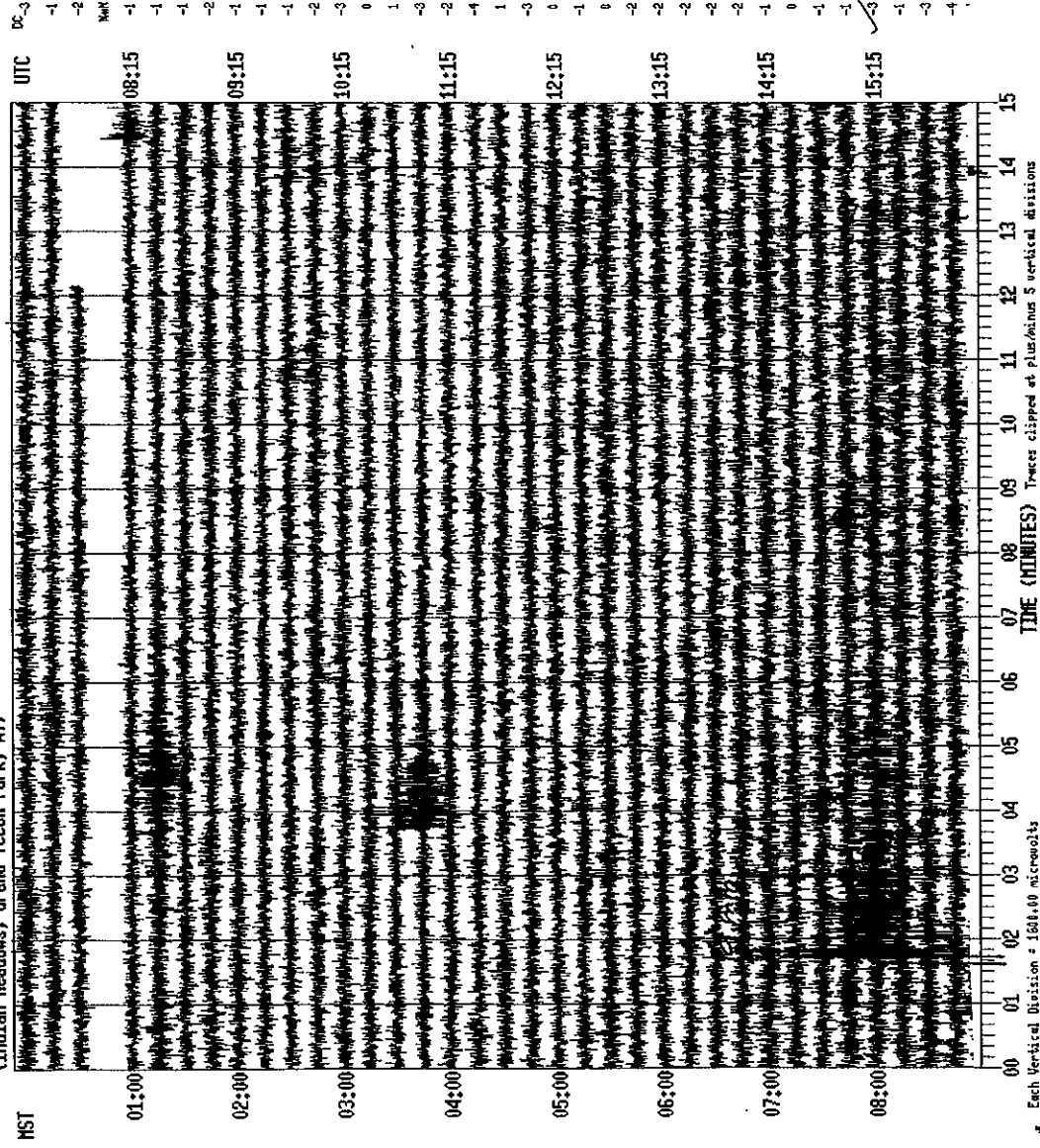


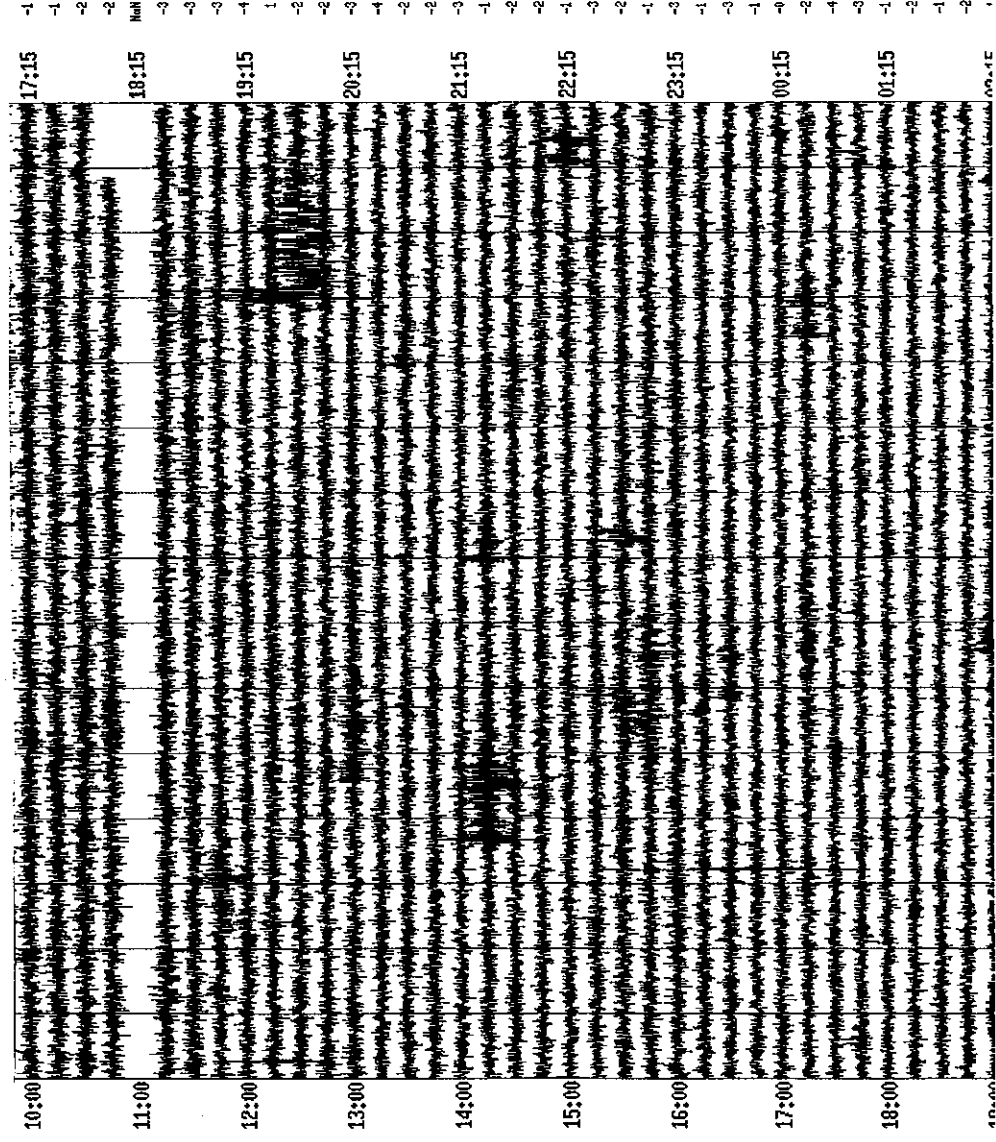
FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)



Jun 7, 2011
IMN SHZ IN 01
(Indian Headwaters, Grand Teton Park, WY)



a)
 $P = 15:01:38$
 $S = 15:01:42$
 $S-P = 4 \text{ sec}$
 19 mm



See
 graphic at
 next page

IAW Station
June 7, 2011

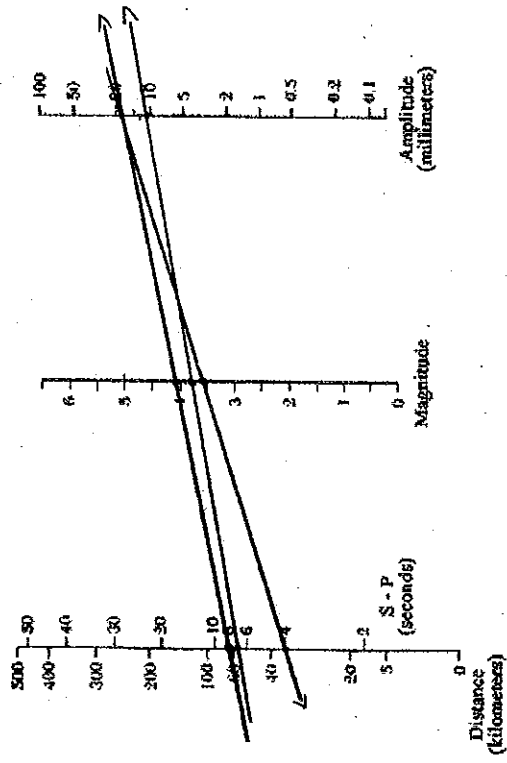
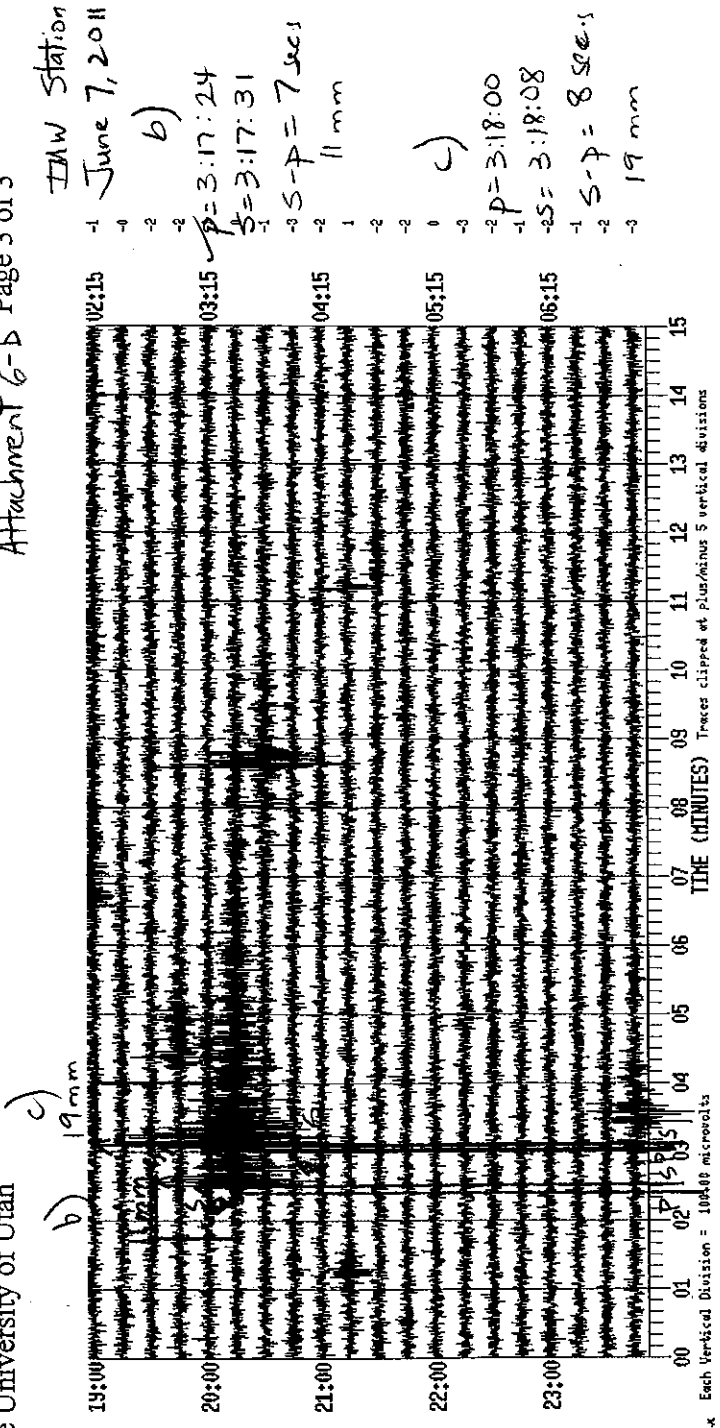
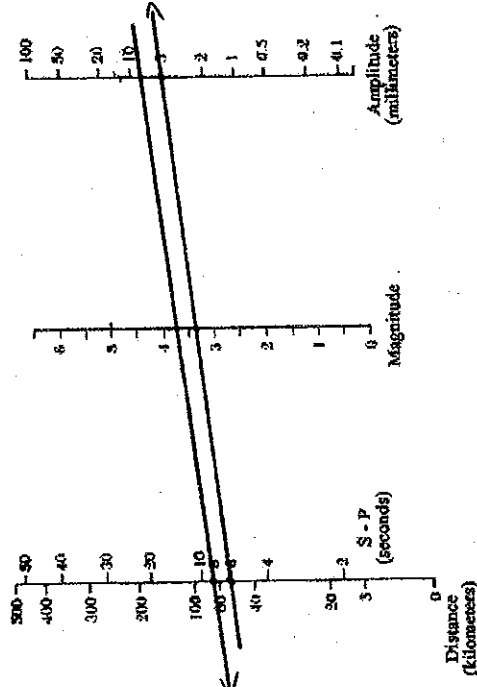
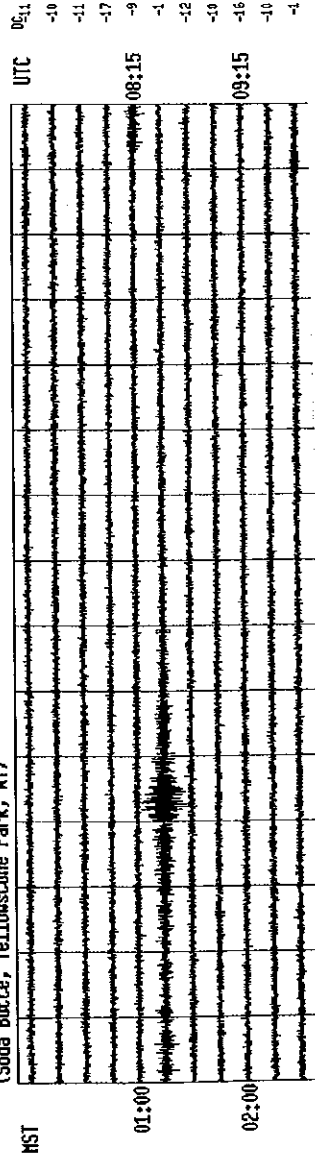


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)

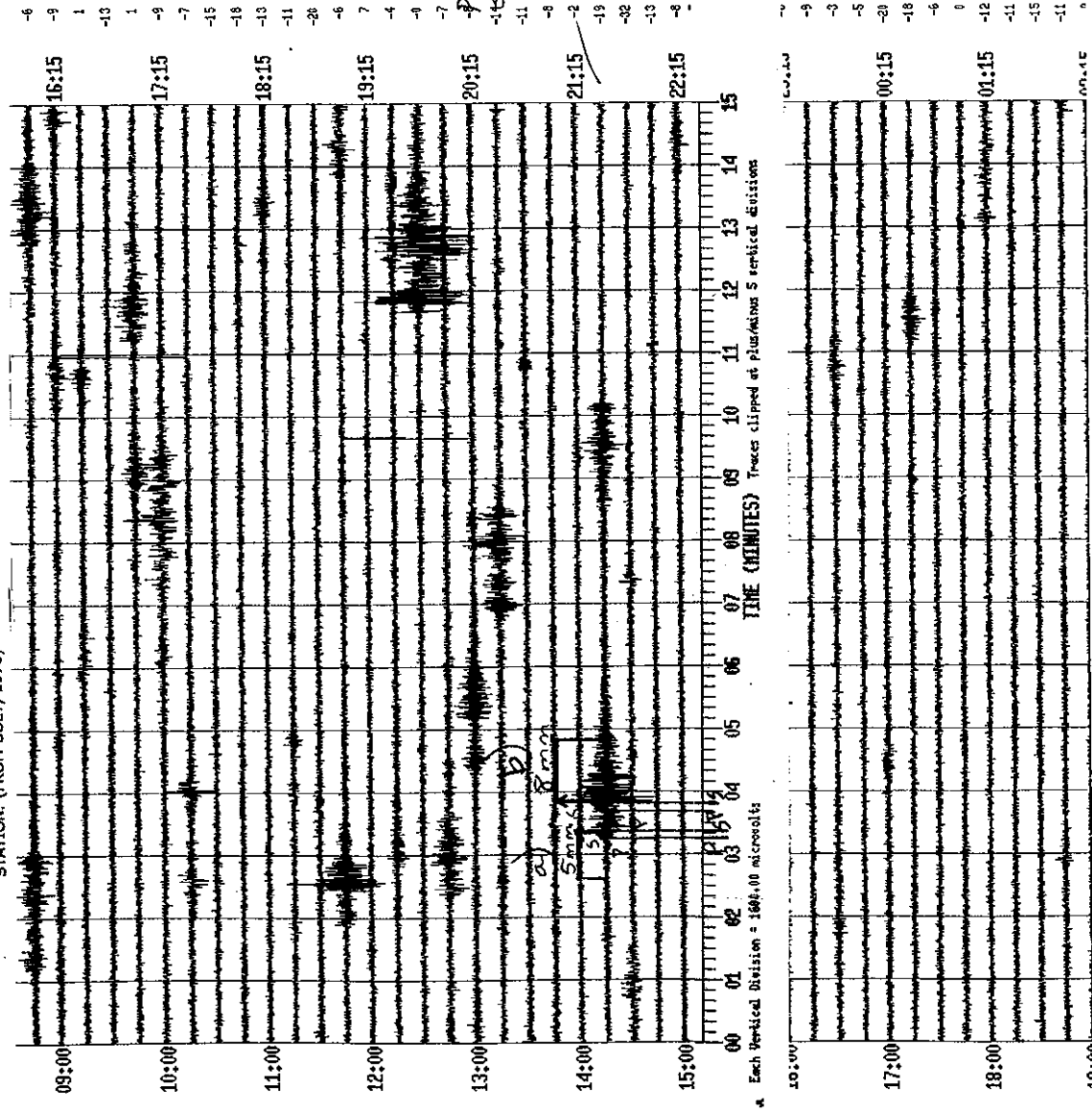
a) 3:16
15:01:38

Jun 7, 2011
YSB EH2 NY 01
(Soda Butte, Yellowstone Park, NY)

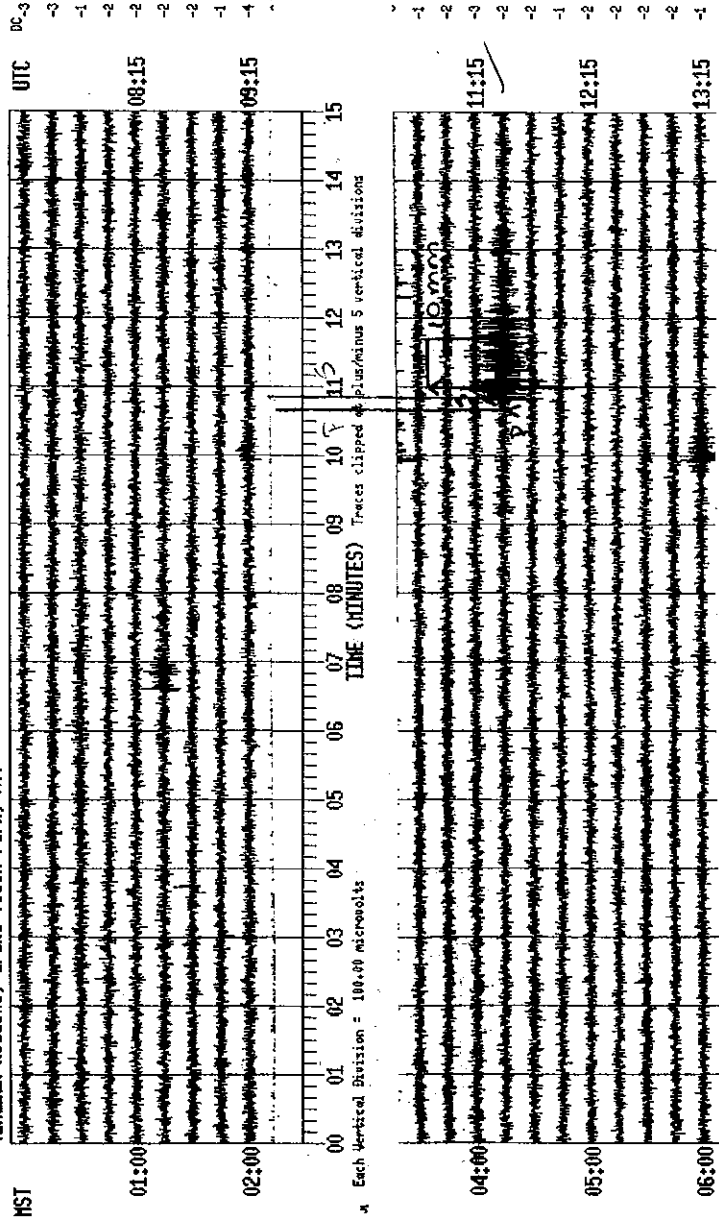


b) 21:17:41 3.7

FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)



Jun12,2011
 INH SHZ IH 01
 (Indian Meadows, Grand Teton Park, WY)



P = 11:25:40
 S = 11:25:50
 S-P = 10 Secs
 10 mm

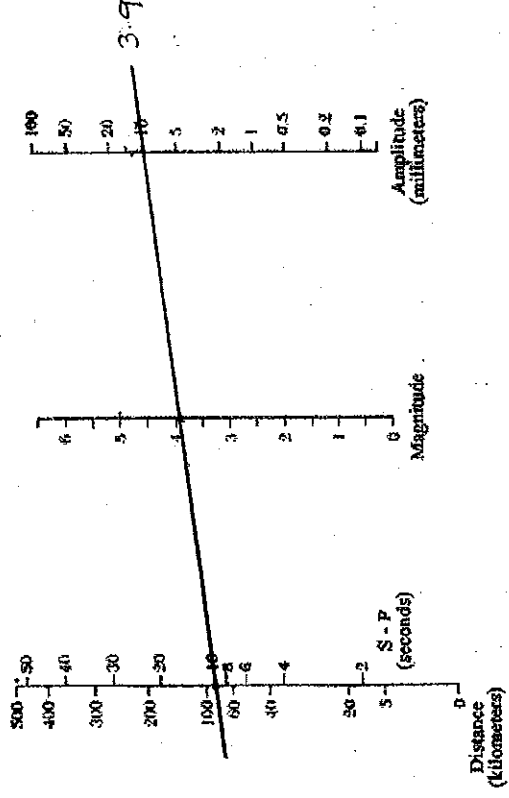
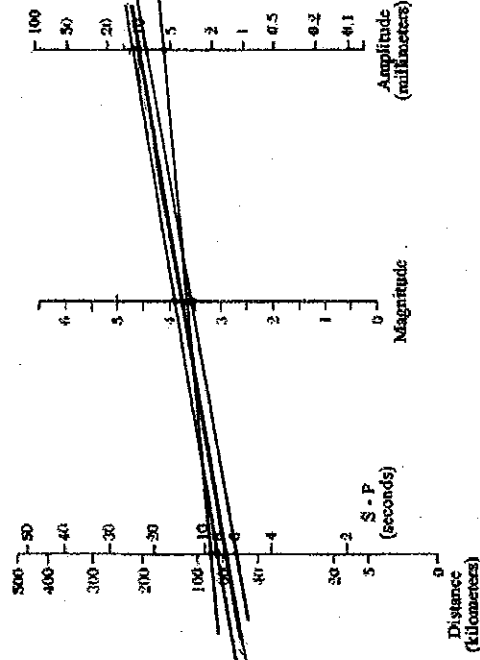
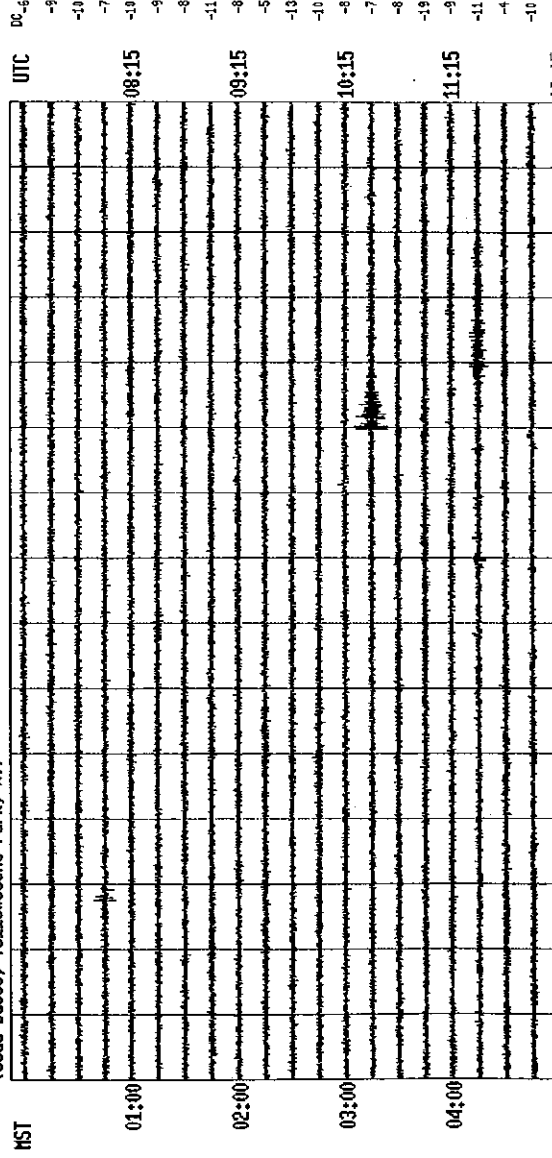


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)

Jun12, 2011
YSB EH2 NY 01
(Soda Butte, Yellowstone Park, NY)

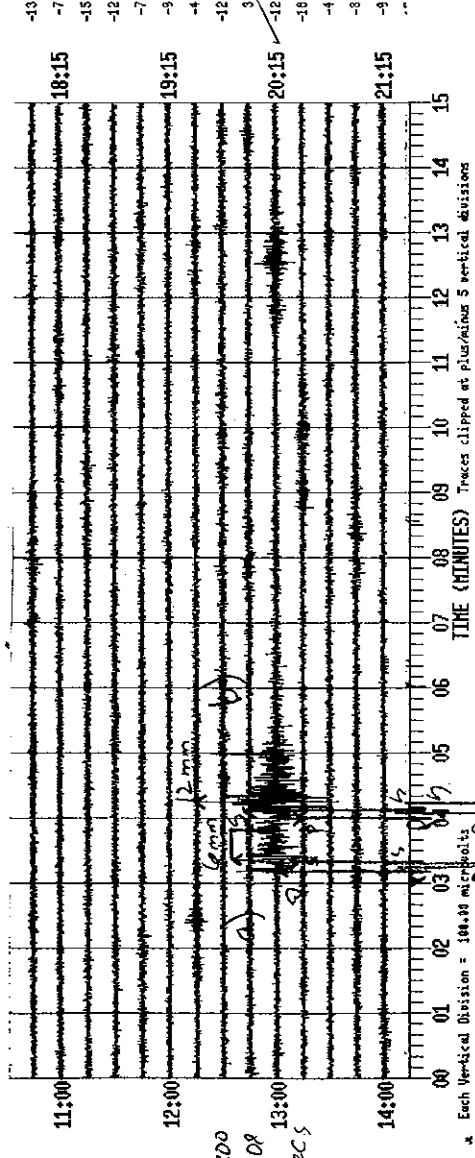


a) IAW 3.6
a) YSB 3.7

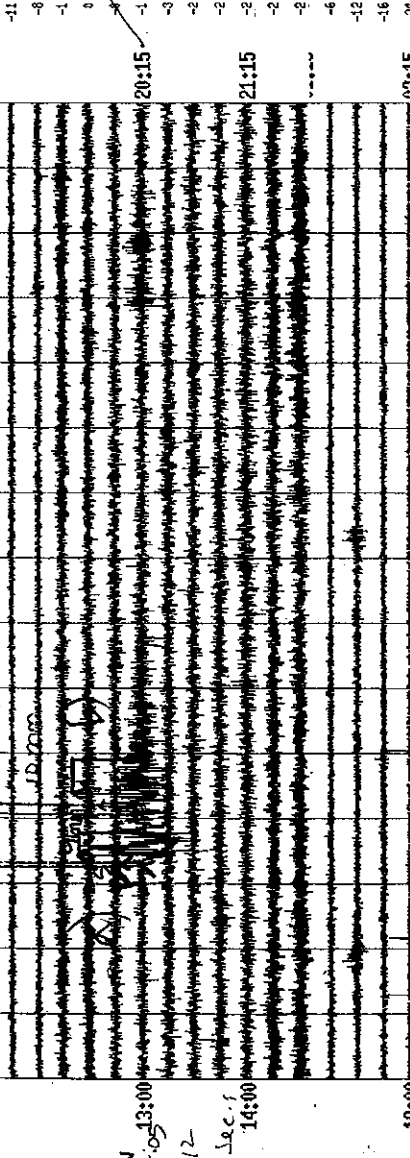
Same events in
two different
stations

b) YSB 3.9
b) IAW 3.8

FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)



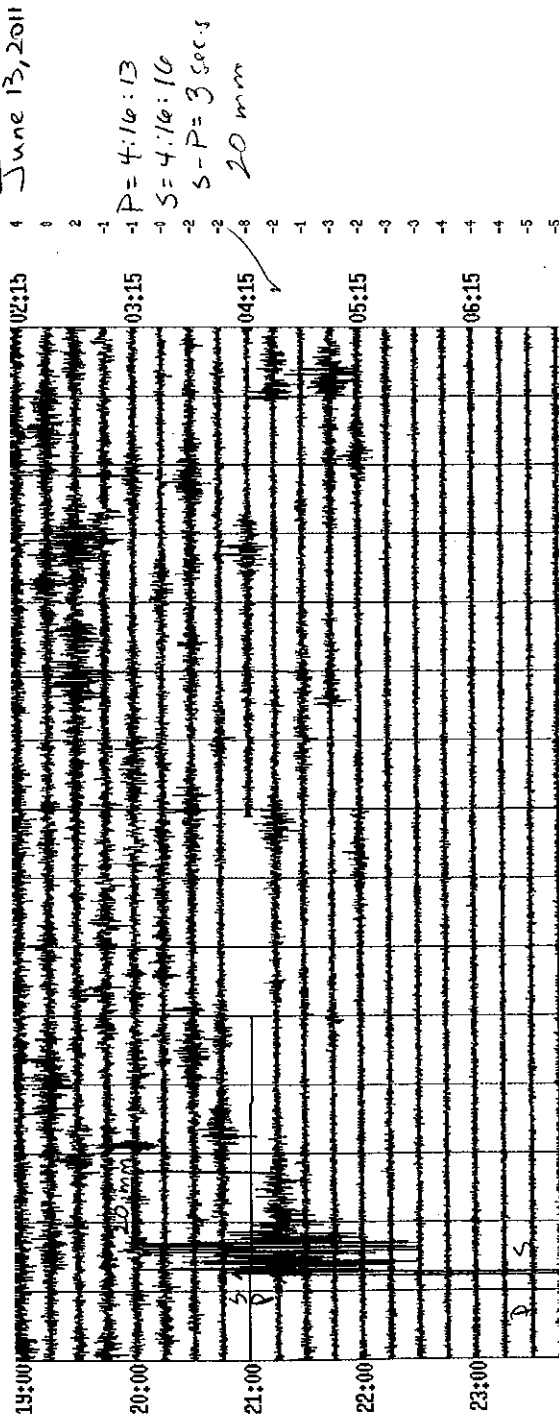
b) YSB 12/14
P=20:03:10
S=20:03:19
S-P=9sec's
6 mm



b) IAW 12/14
P=20:03:13
S=20:03:19
S-P=6 sec's
9 mm

YMR Station

June 13, 2011



P = 4:16:13
 S = 4:16:16
 S - P = 3 sec.s
 20 mm

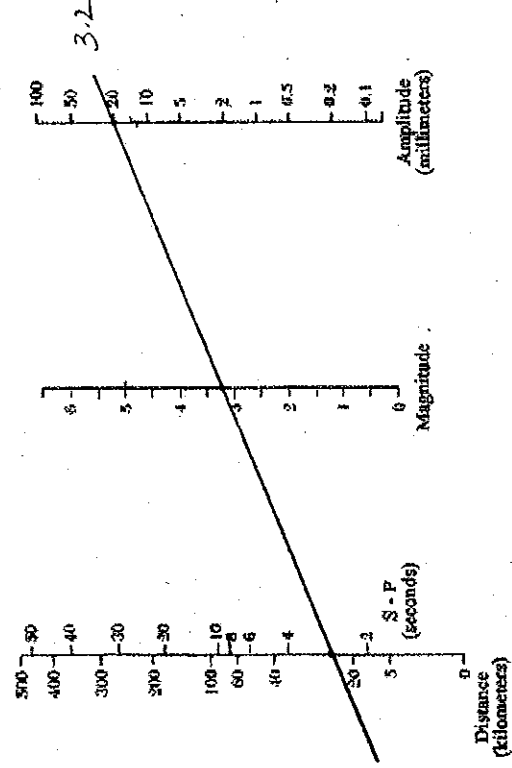


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)

FLWY_SHZ_IW (Flagg Ranch, WY)



Jun13,2011
IMW SHZ TH 01
(Indian Meadows, Grand Teton Park, MT)

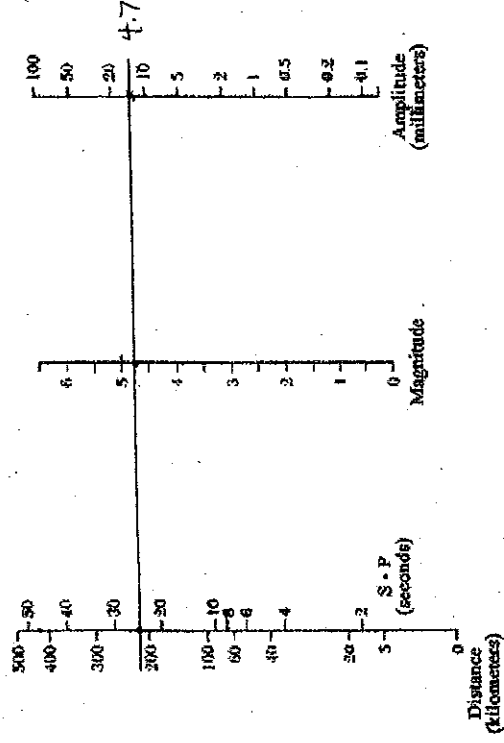
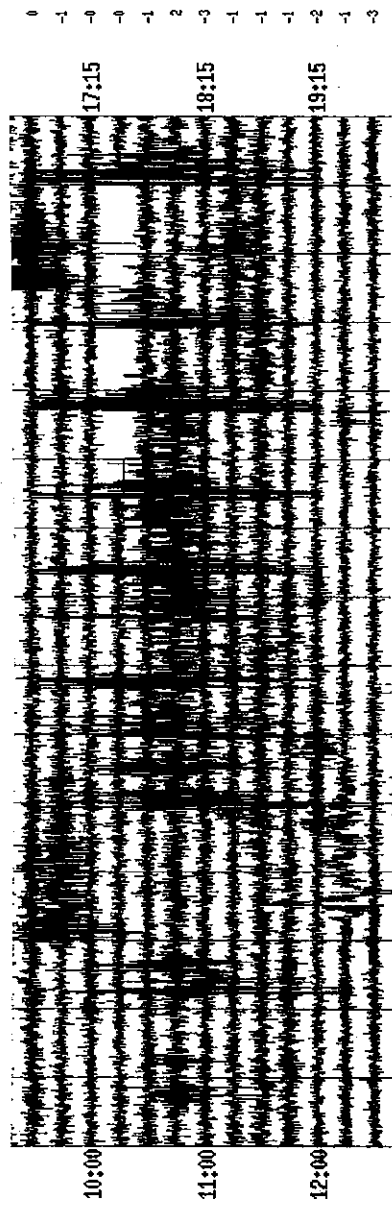
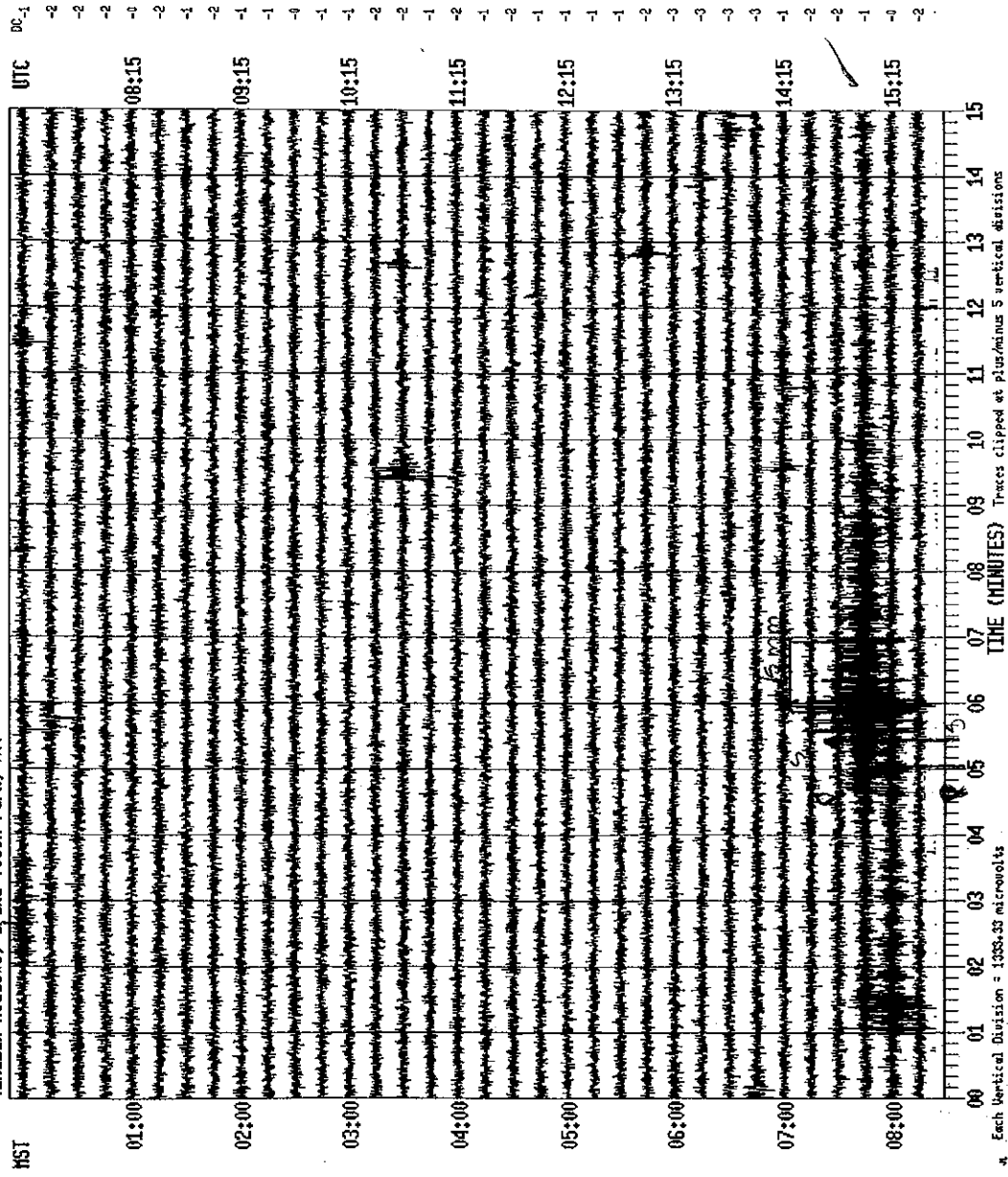
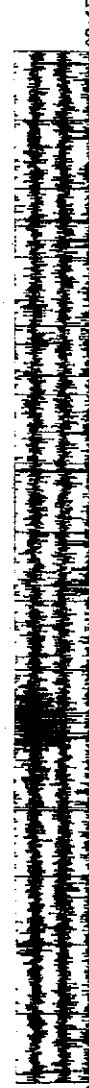


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)



Attachment 9-c

Jun13, 2011
YSB EH2 NY 01
(Soda Butte, Yellowstone Park, NY)

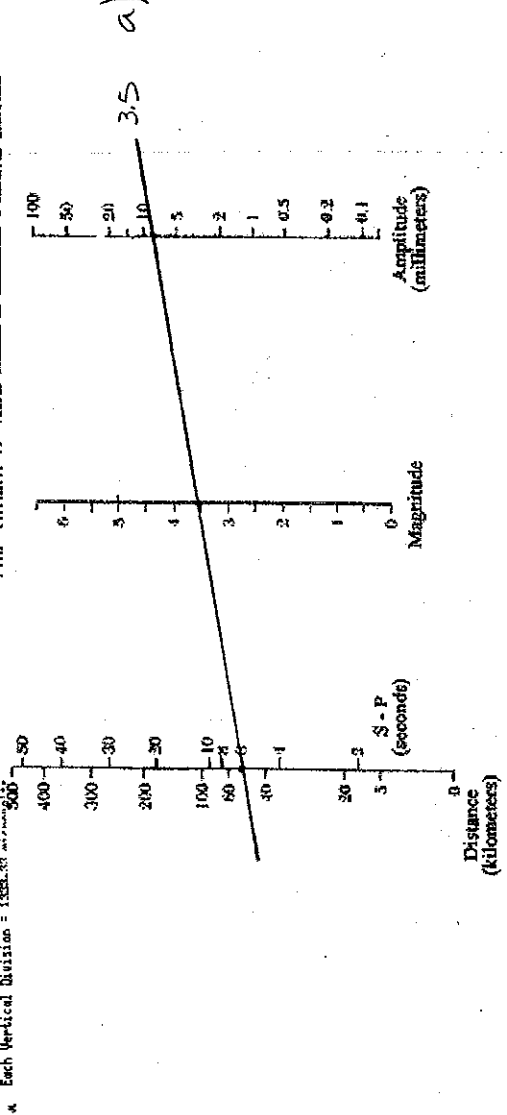
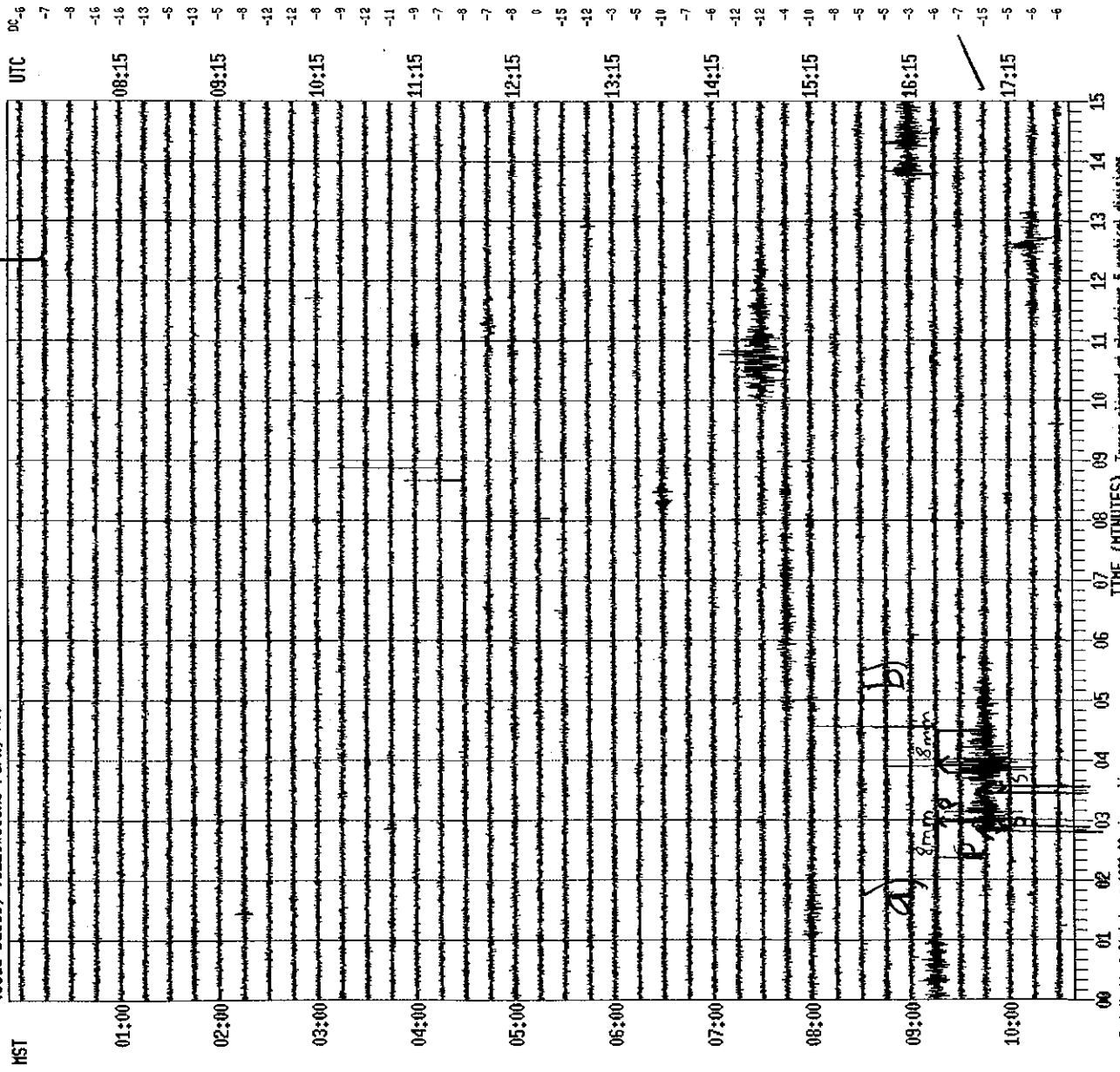
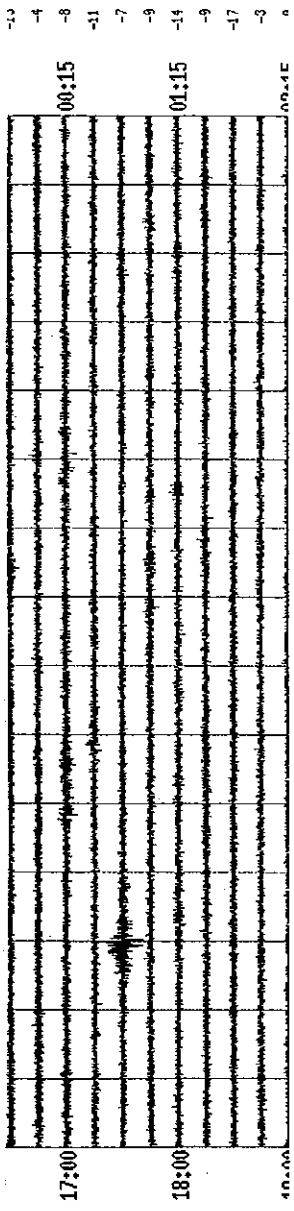


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)



Attachment 10-a

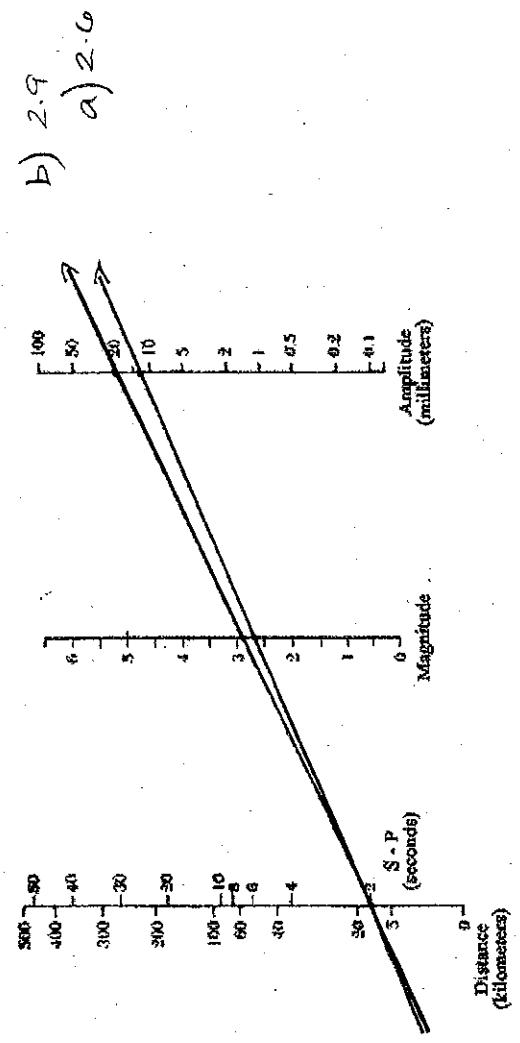
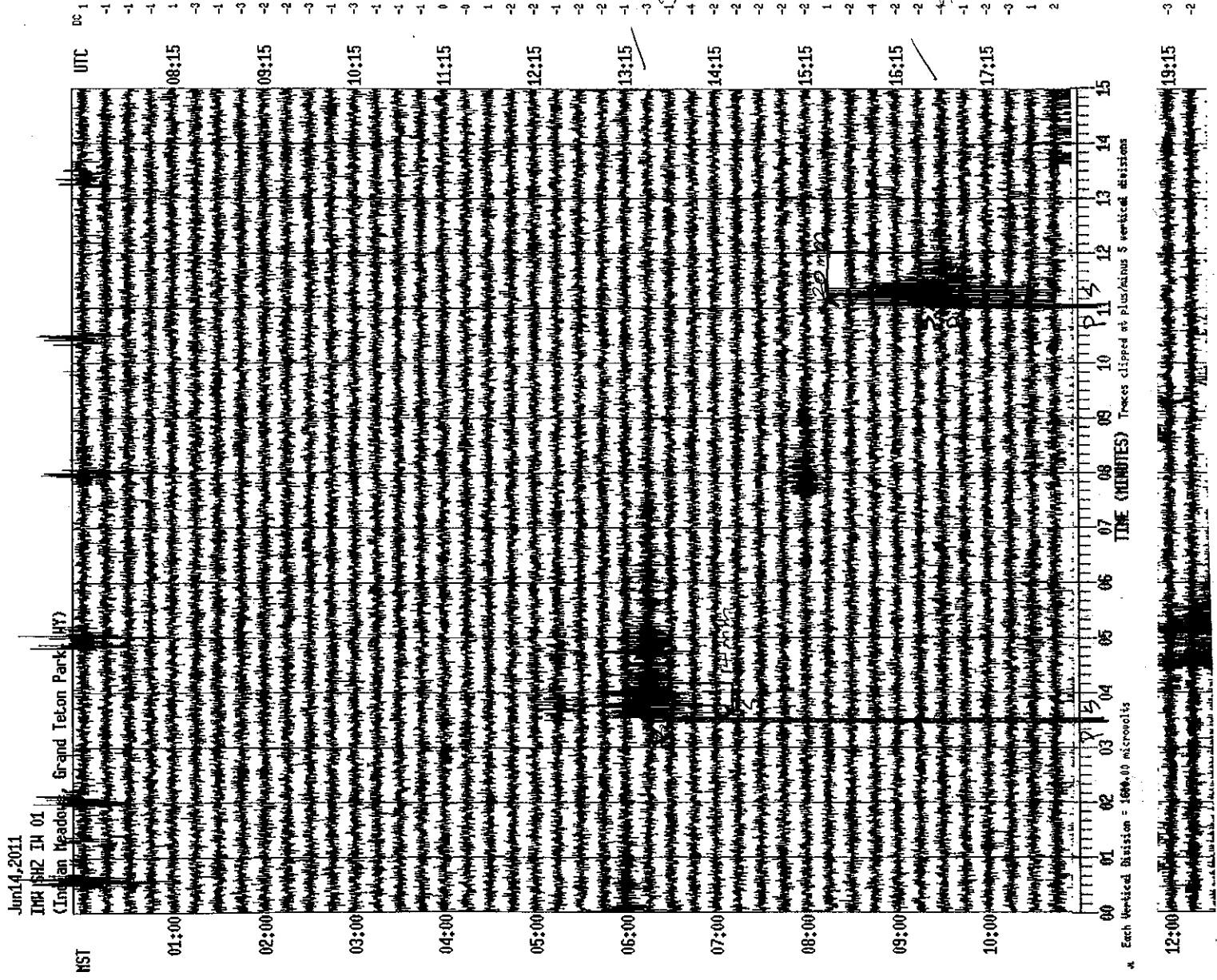
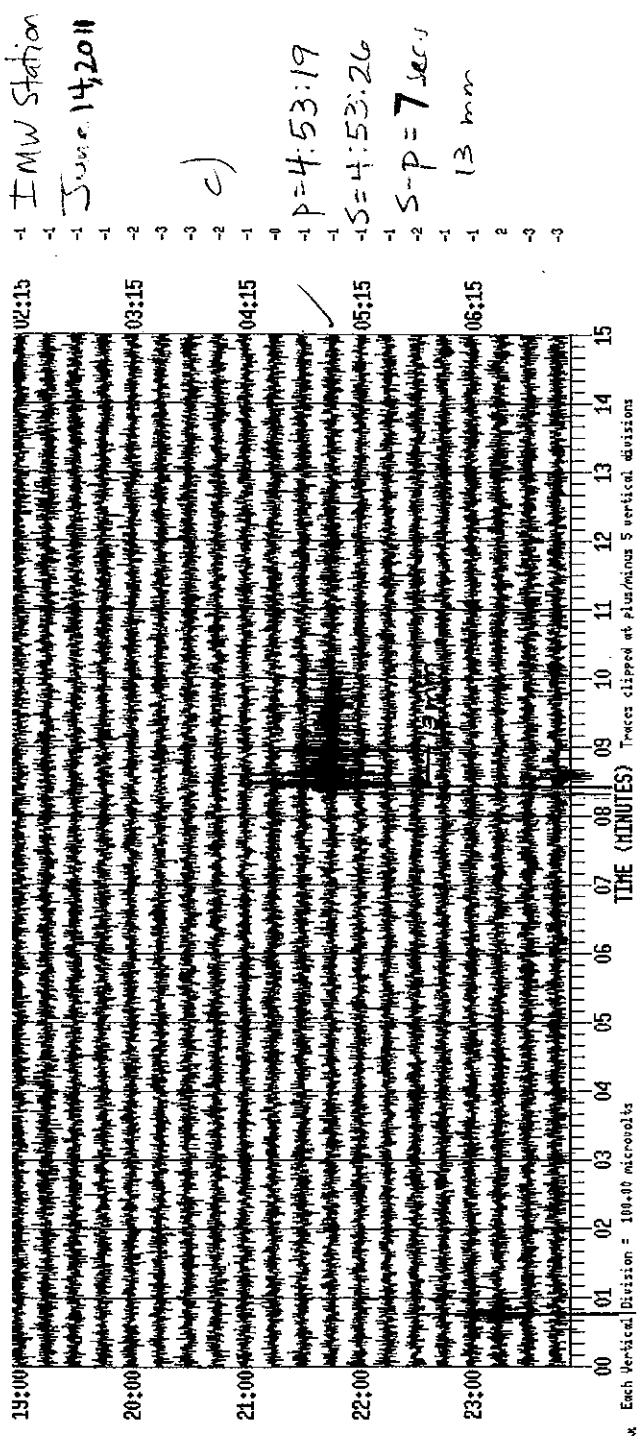


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)



Attachment 10-b



About the Webicorder Display, including interpreted examples of earthquake recordings.

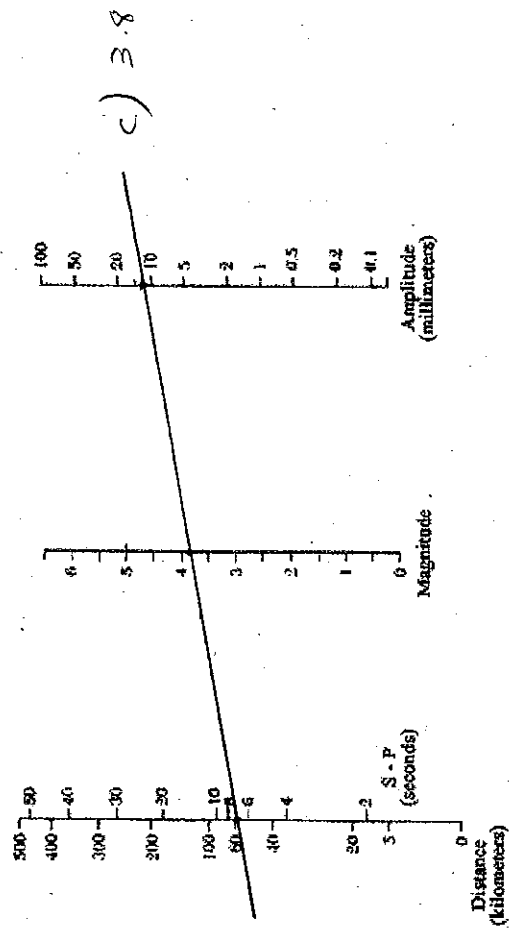


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)

Attachment 10-c

Jun 14, 2011
 YPK EHZ NY 01
 (Parker Peak, Yellowstone Park, NY)

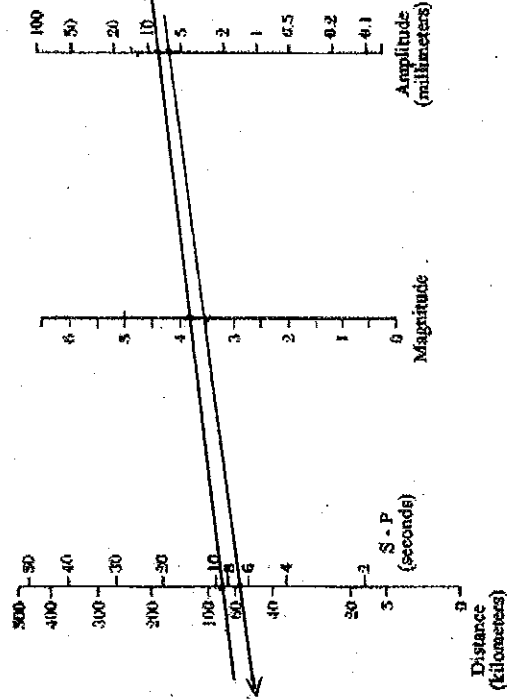
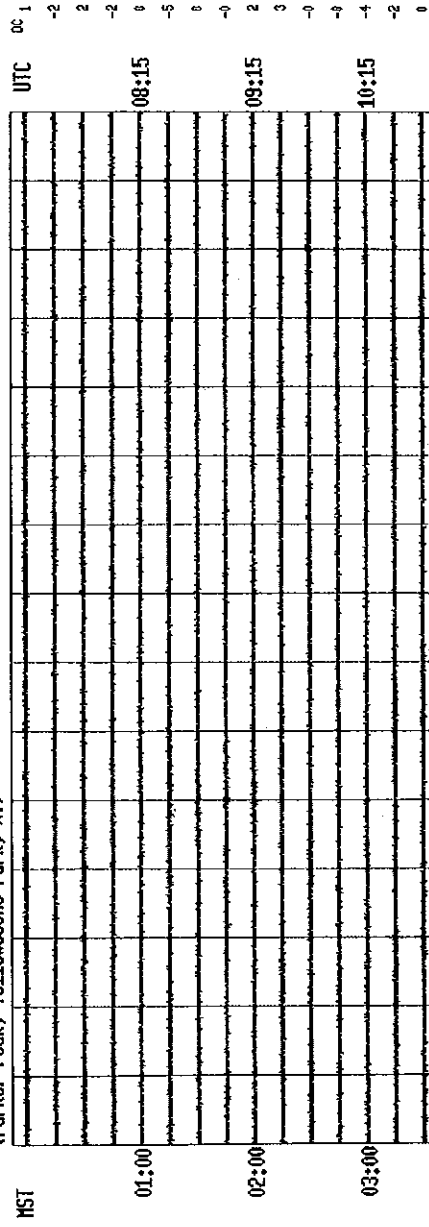
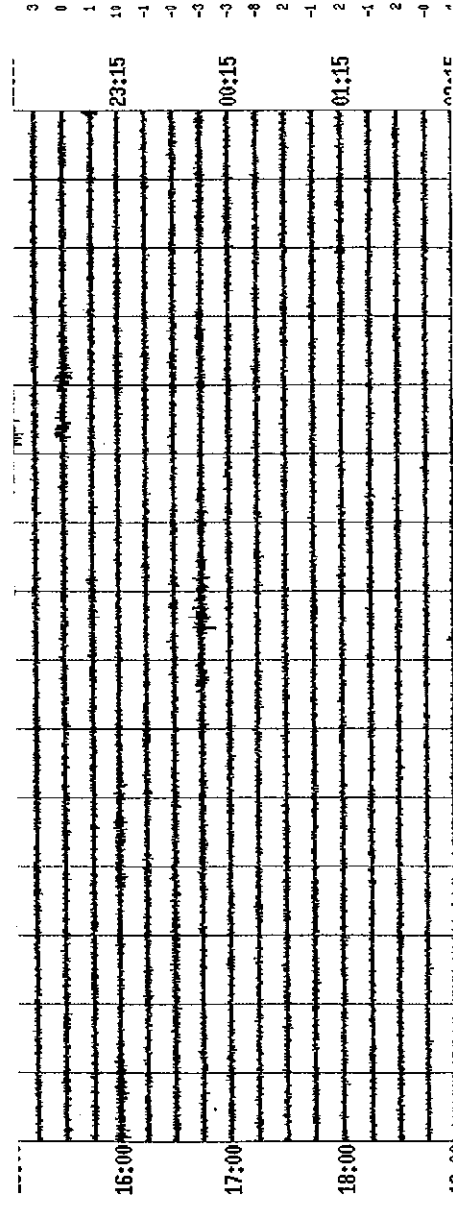
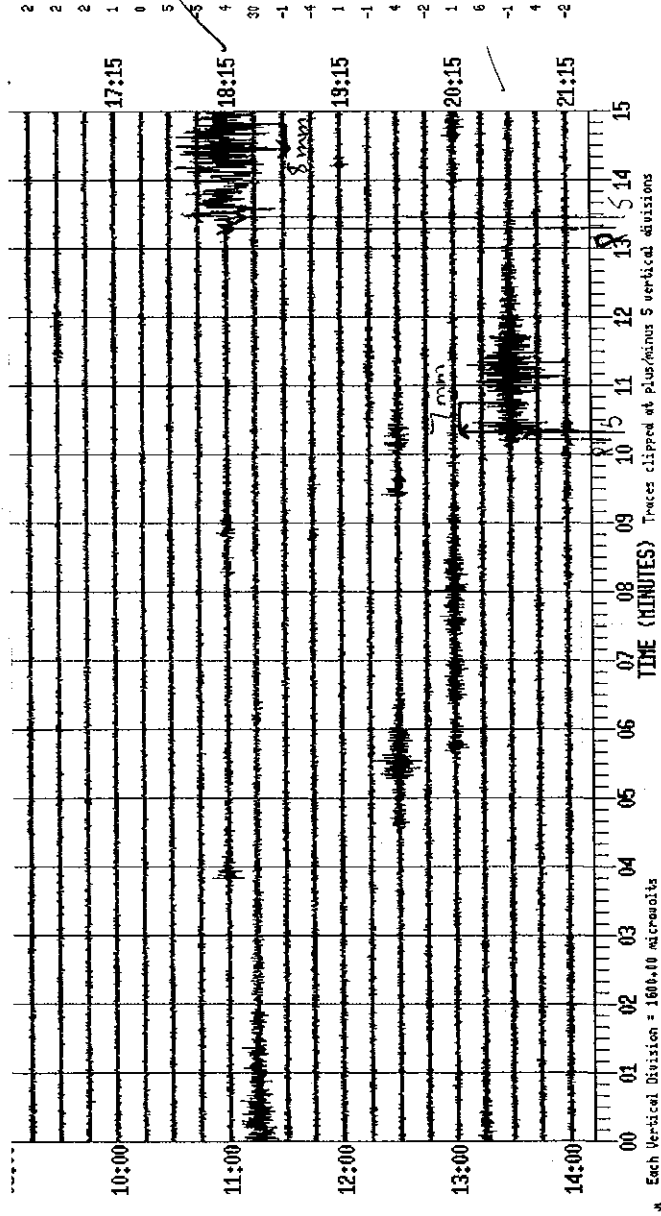
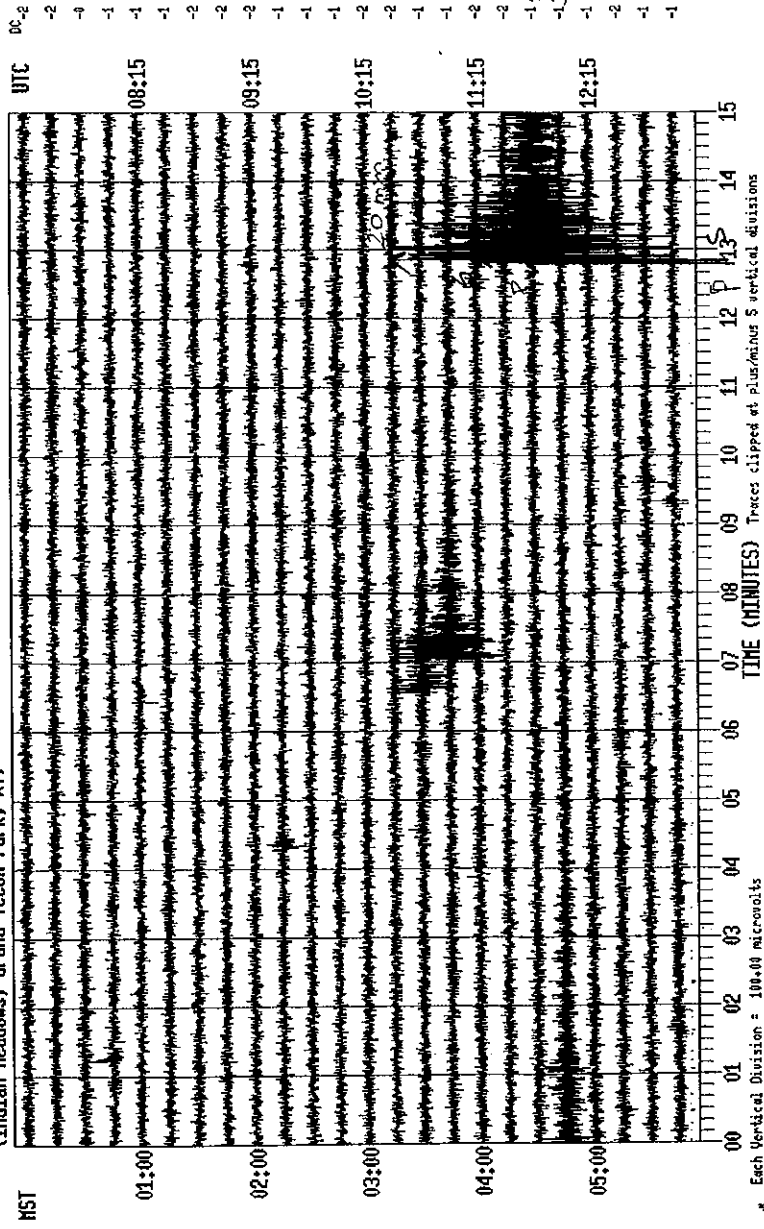


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)



Jun18, 2011
IMN SHZ IN 01
(Indian Meadows, Grand Teton Park, WY)



$P = 11:42:48$
 $S = 11:42:50$
 $S - P = 2 \text{ secs}$
 20 mm

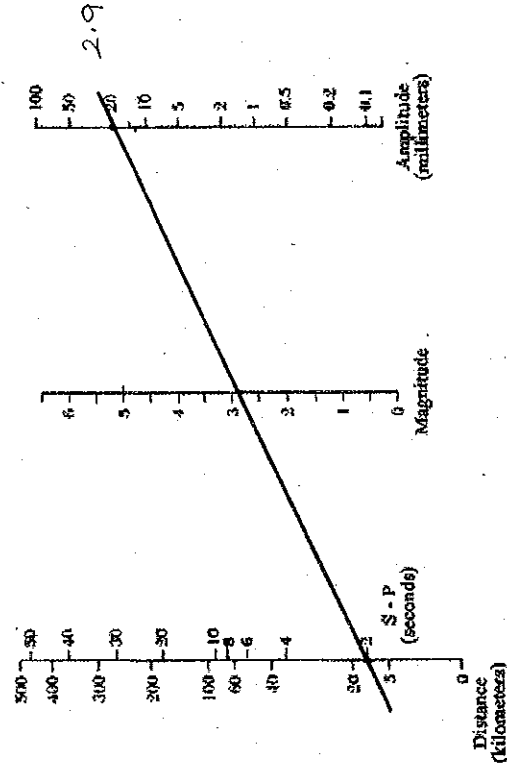
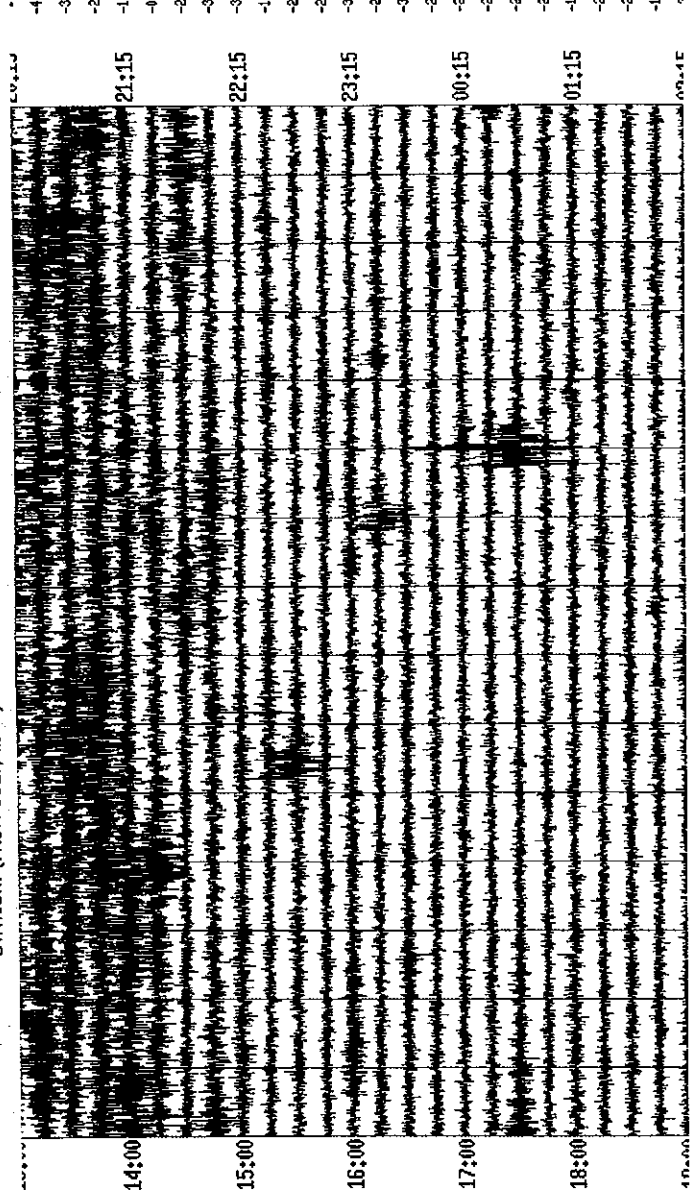
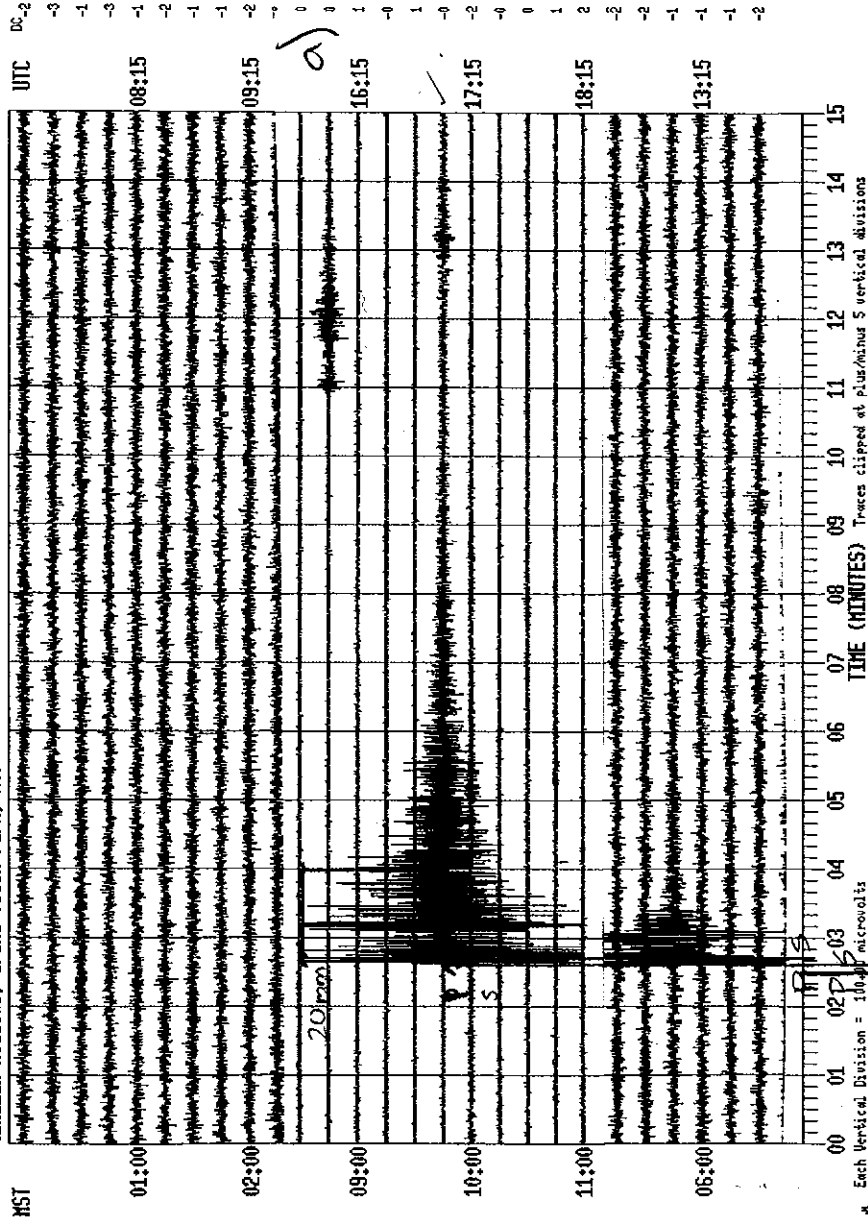


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)

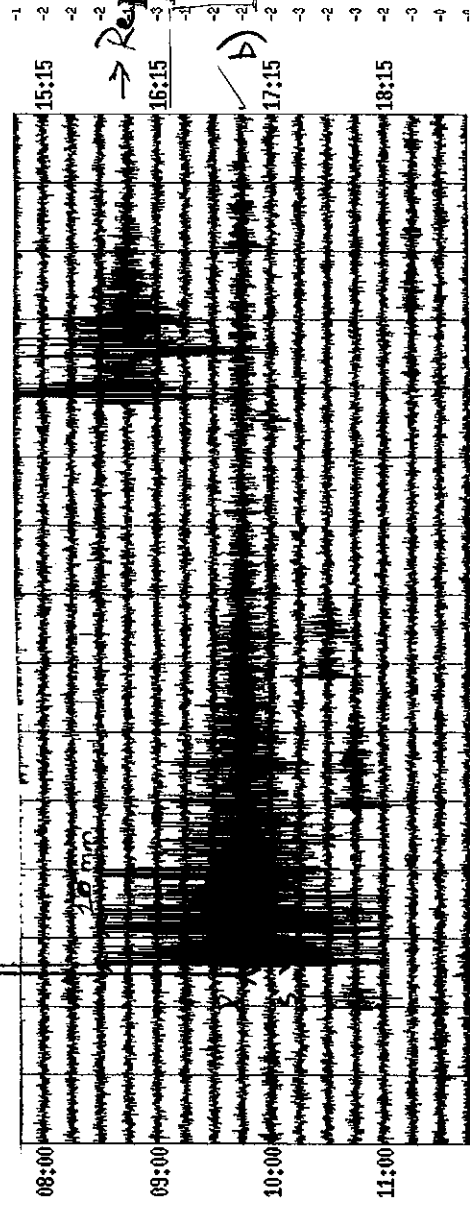


Same event
in two
different
Stations

Jun 20, 2011
IMW SHZ IM 01
(Indian Meadows, Grand Teton Park, WY)



a) YPK June 29
2011
P = 16:47:36
S = 16:47:41
S-P = 5 secs
20 mm



b) IAW Station
→ Reported on
Internet
as 3.0 Mag.
at Wyoming
June 29, 2011
P = 16:47:29
S = 16:47:36
S-P = 7 secs
20 mm

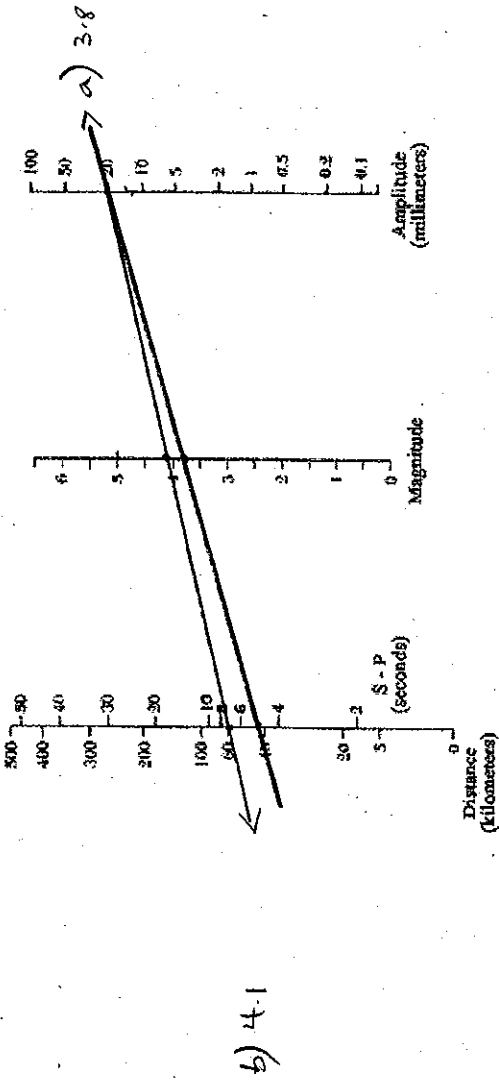
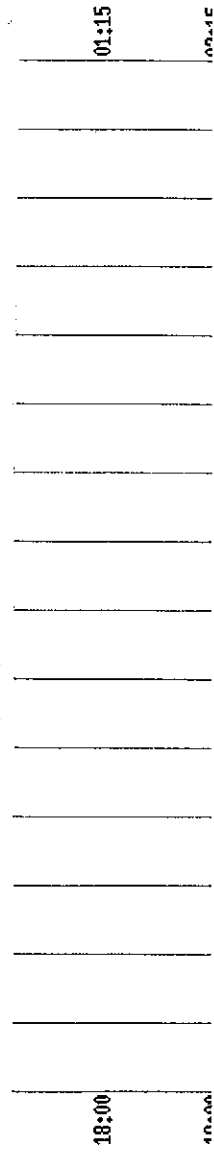


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)



Jun22,2011
MCID EH2 HY 01
(Moose Creek, ID)

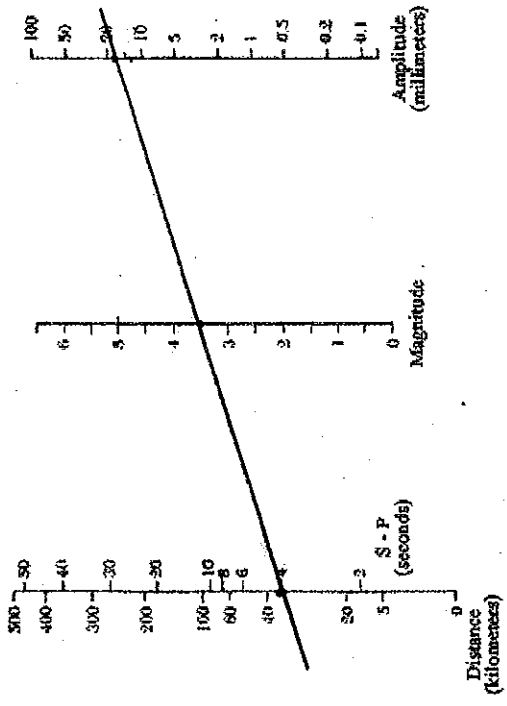
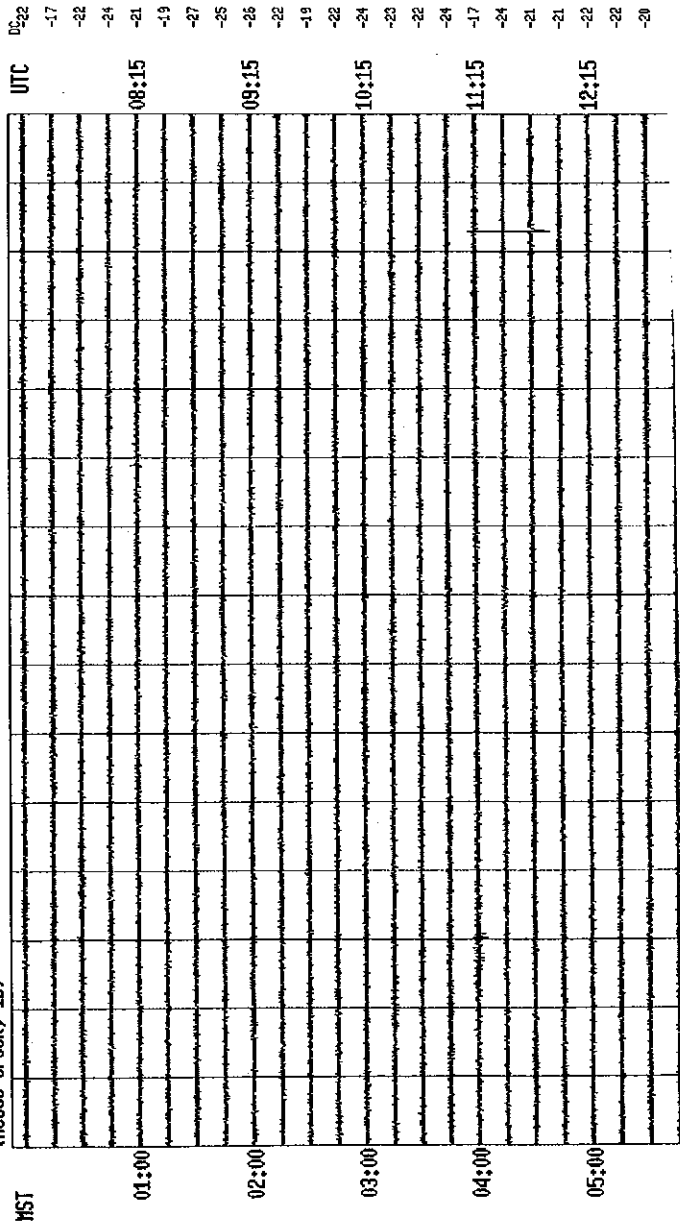
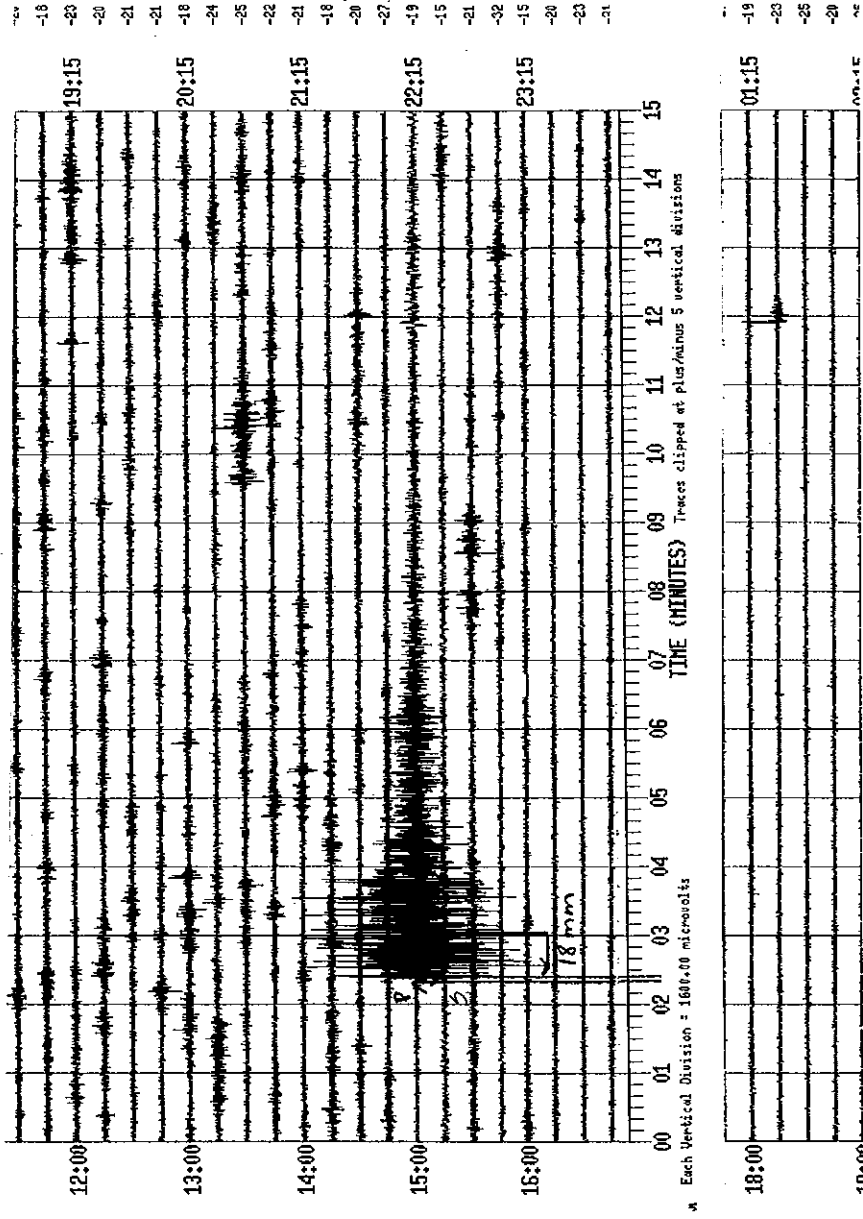


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)



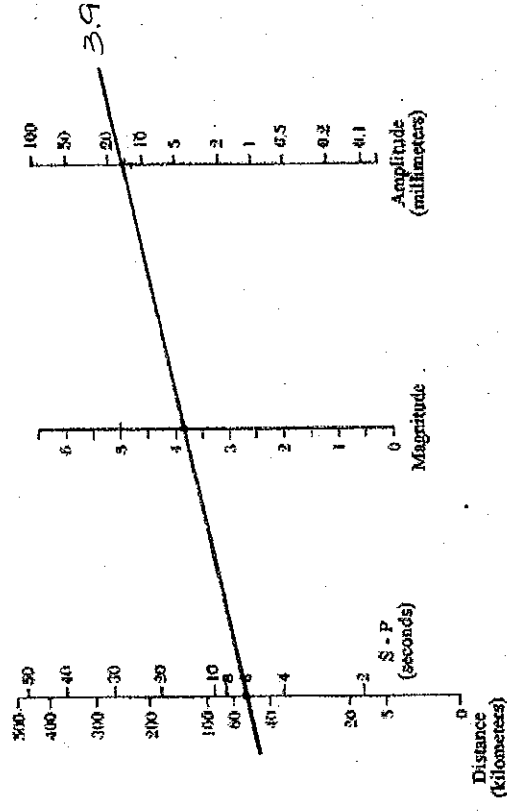
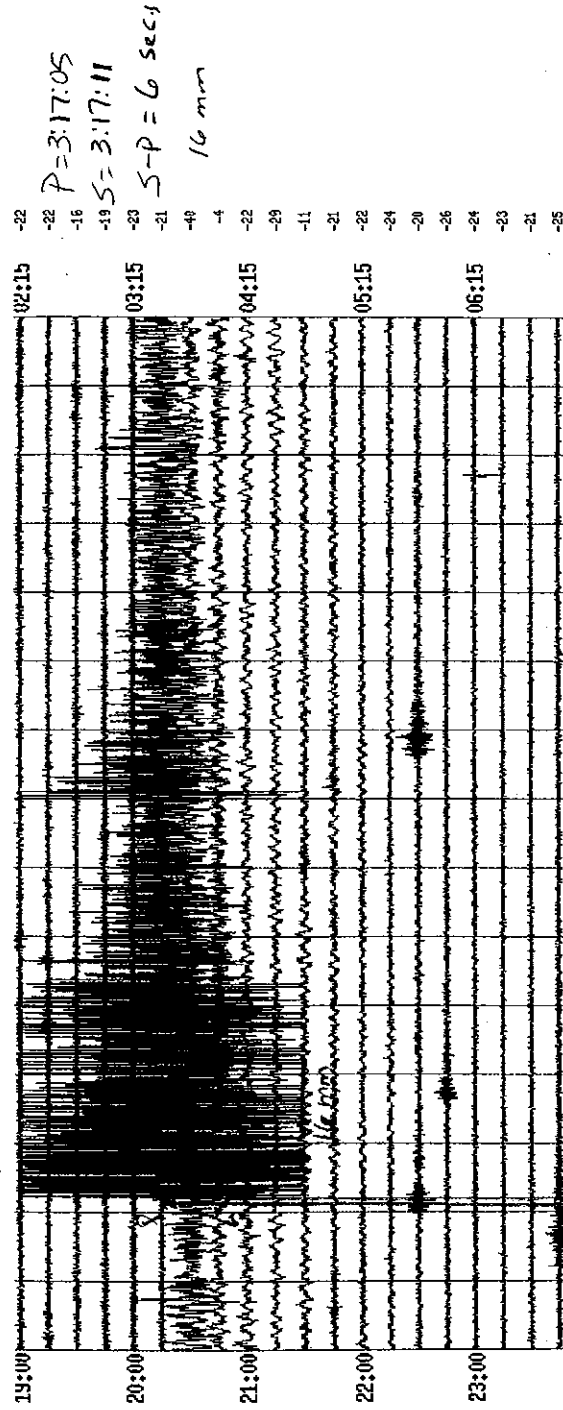


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)

FLWY_SHZ_IW (Flagg Ranch, WY)

Attachment 15-a



Earthquake Hazards Program

Magnitude 2.2 - YELLOWSTONE NATIONAL PARK, MONTANA

2011 June 02 21:09:49 UTC

[Details](#)
[Maps](#)
[Scientific & Technical](#)

Earthquake Details

This event has been reviewed by a seismologist

Magnitude 2.2 **M_L**

Date/Time Thursday, June 02, 2011 at 21:09:49 UTC
 Thursday, June 02, 2011 at 03:09:49 PM at epicenter, **MDT**
[Time of Earthquake in other Time Zones](#)

Location 44.717°N, 111.071°W

Depth 9.5 km (5.9 miles)

Region YELLOWSTONE NATIONAL PARK, MONTANA

Distances 7 km (4 miles) NNE (25°) from West Yellowstone, MT
 32 km (20 miles) NE (41°) from Island Park, ID
 45 km (28 miles) SW (218°) from Gardiner, MT
 430 km (267 miles) ENE (72°) from Boise, ID
 446 km (277 miles) N (8°) from Salt Lake City, UT

Location Uncertainty horizontal +/- 0.4 km (0.2 miles); depth +/- 1.1 km (0.7 miles)

Parameters Nph= 18, Dmin=6.8 km, Rmss=0.15 sec, Gp= 76°,
 M-type=local magnitude (ML), Version=2

Source [University of Utah Seismograph Stations](#)
Event ID uu06022109

Did you feel it? Report shaking and damage at your location. You can also view a map displaying accumulated data from your report and others.

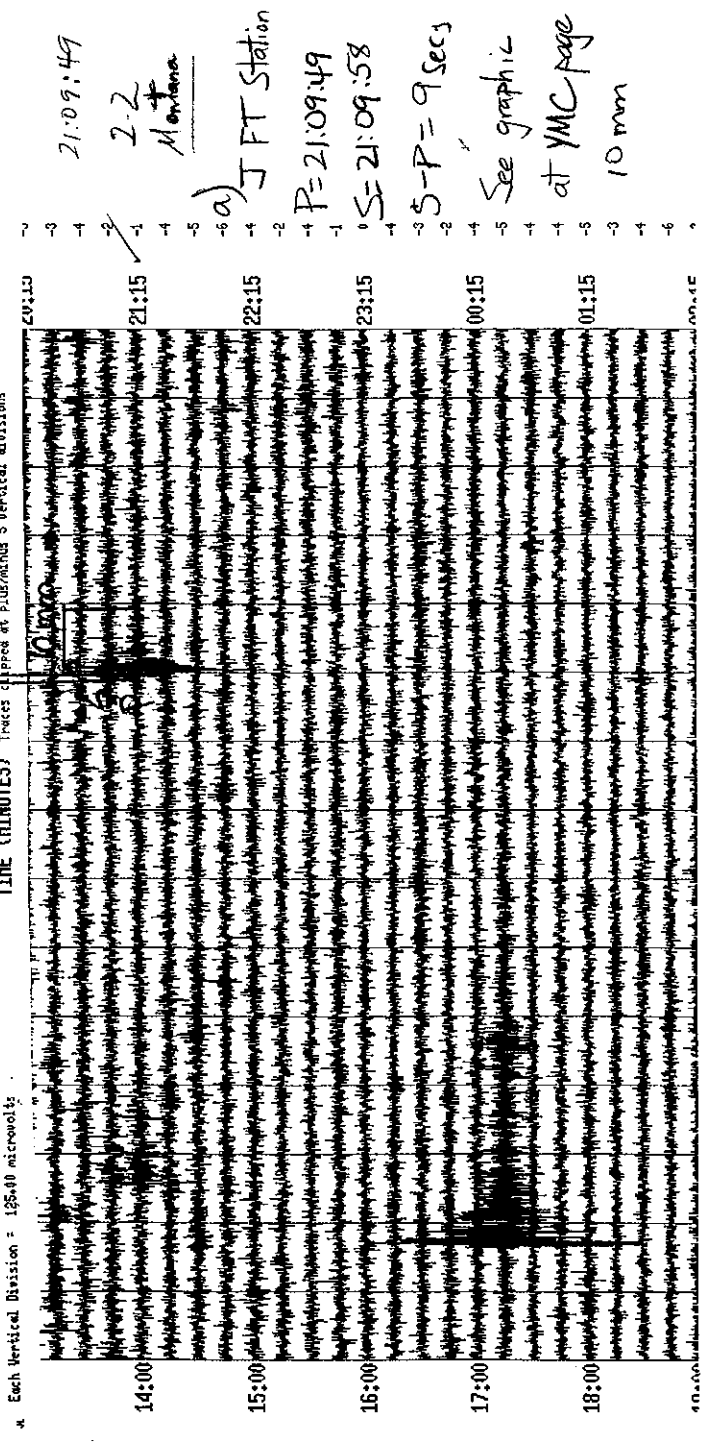
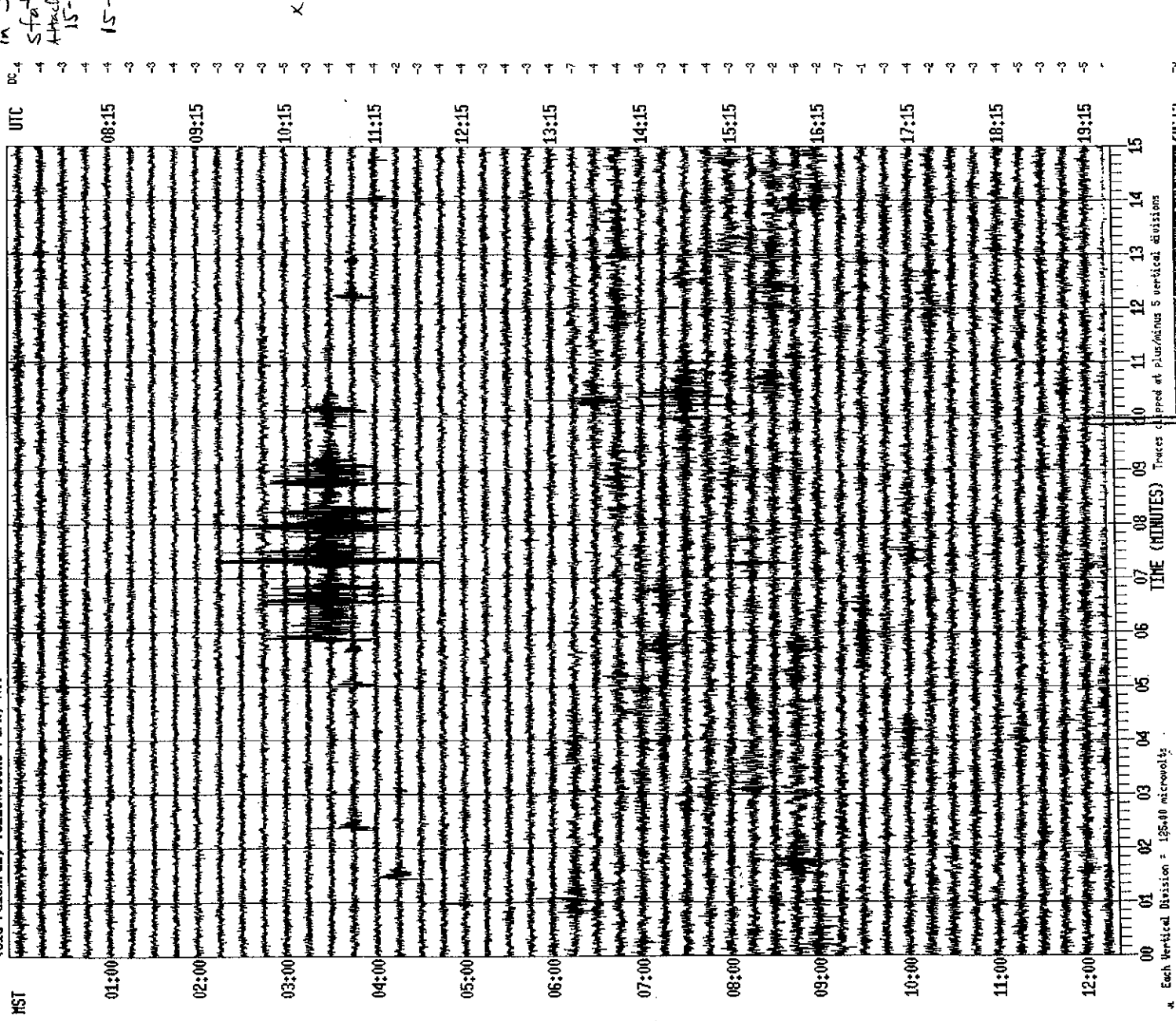
Preliminary Earthquake Report
[University of Utah Seismograph Stations](#)

 Share this page: [Facebook](#) [Twitter](#) [Google](#) [Email](#)

Attachment 15-b

Same event
in 3 different
stations
Attachments:
15-a; 15-b;
15-c; 15-d

Jun 2, 2011
YFT SHZ NY 01
(Old Faithful, Yellowstone Park, NY)



Attachment 15-d

Jun 2, 2011
YMC EHZ NY 01
(Maple Creek, Yellowstone Park, NY)

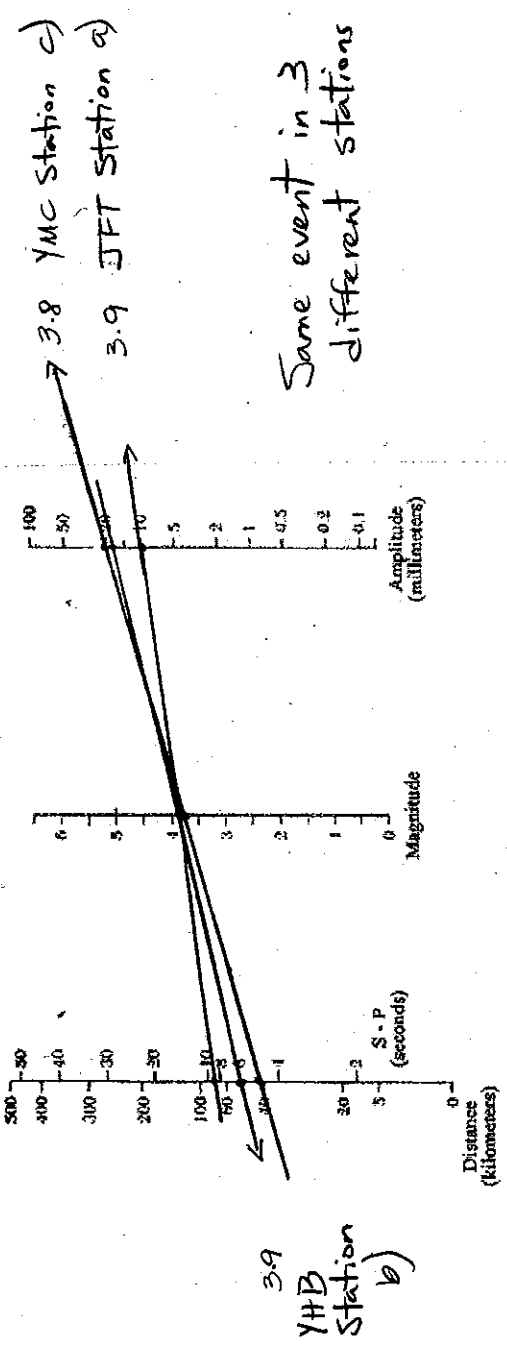
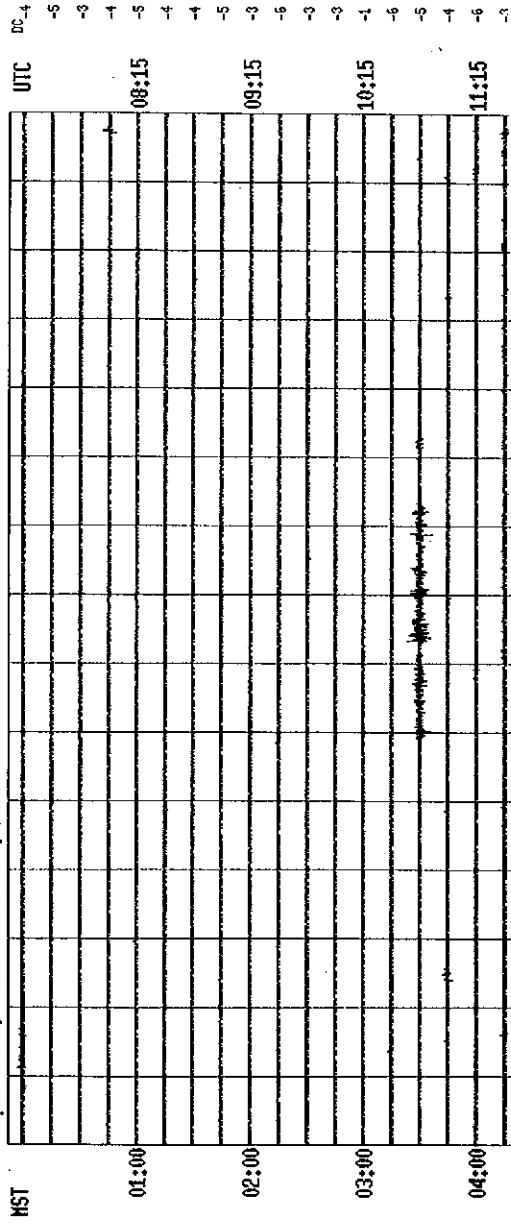
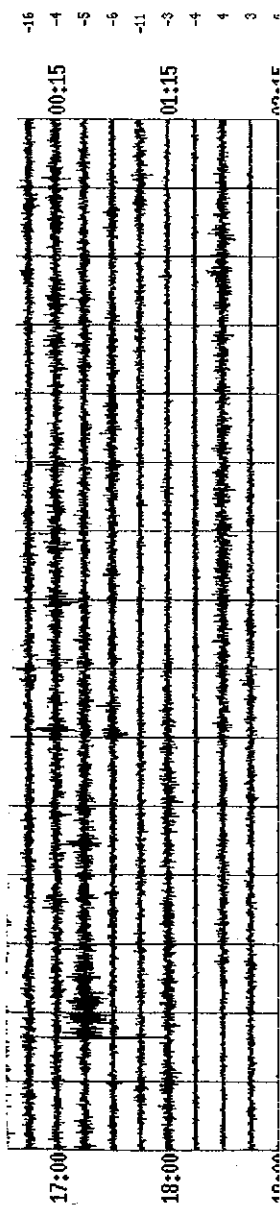
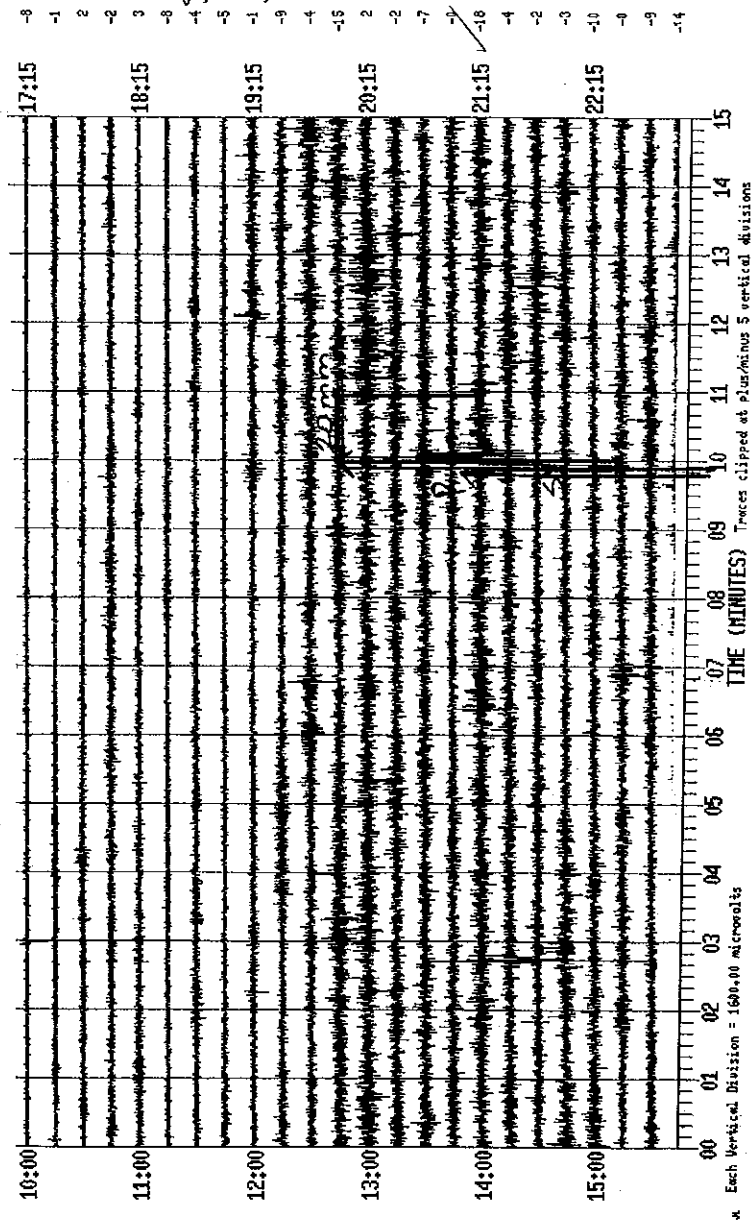


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)

c)
YMC Station
P=21:09:49
S=21:09:54
S-P=5 sec
20 mm
"2.2"
2/μ



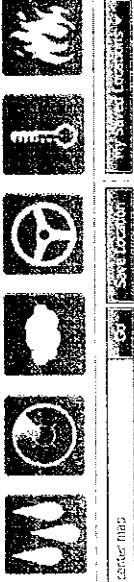
Attachment 16-a

Universal Time: Friday, 10 Jun 2011, 15:26

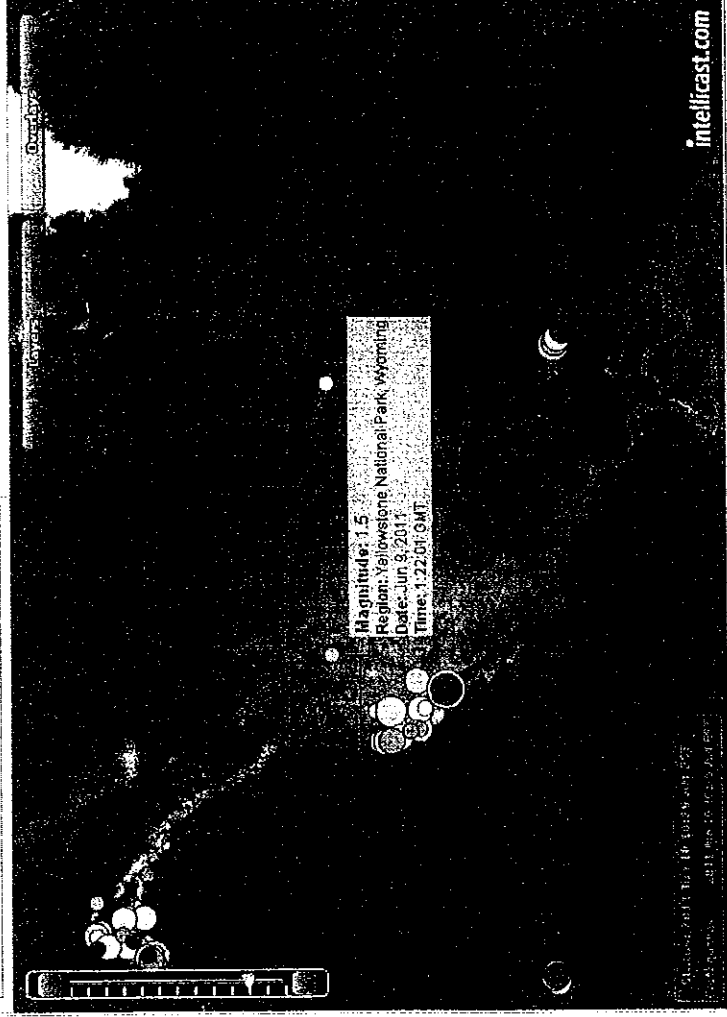
Interactive Weather Map (wxMap)

Weather Report | [Interactive Weather Map](#) | [Exclude Forecast](#) | [Hourly Forecast](#) | [Past Observations](#) | [Historic Averages](#) | [Related](#)

Quick Picks



Enter location to center map.



The Perfect Golf Swing

Blast 325 yard Tee Shots with Your Golf Swing in only 60 minutes!



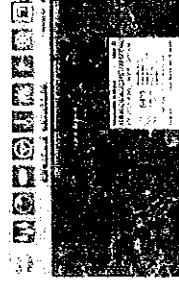
SNEAK PREVIEW of Your Free, Instant-Access Lessons with PGA Instructor CJ Goecks

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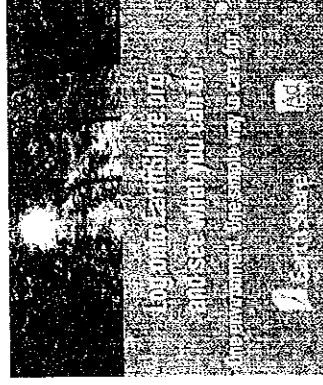
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- US Weather Maps
- US Current Weather
- Global Weather Maps
- Weather Analysis Charts
- Active Storm Track
- Weather Tools

Weather Center

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Current National Weather Service Watches and Warnings by type and state throughout the United States.

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The Ski & Snow Section is where you can get the latest ski resort conditions and snow forecasts.



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<http://www.intellicast.com/Local/WxMap.aspx>

6/10/2011

Recent Earthquakes in the Intermountain West

== PRELIMINARY EARTHQUAKE REPORT ==
University of Utah Seismograph Stations, Salt Lake City, Utah

Version #2: This report supersedes any earlier reports of this event.
This event has been reviewed by a seismologist.

A micro earthquake occurred at 7:22:01 PM (MDT) on Wednesday, June 8, 2011.
The magnitude 1.5 event occurred 18 km (11 miles) NNE of West Yellowstone, MT.
The hypocentral depth is 9 km (5 miles).

Magnitude 1.5 - duration magnitude (Md)

Time Wednesday, June 8, 2011 at 7:22:01 PM (MDT) ✓
Thursday, June 9, 2011 at 1:22:01 (UTC)

Seismogram of June 8.

Distance from West Yellowstone, MT - 18 km (11 miles) NNE (23 degrees)

Gardiner, MT - 35 km (22 miles) SW (224 degrees)

Distance from Island Park, ID - 43 km (27 miles) NE (36 degrees)

Big Sky, MT - 55 km (34 miles) SSE (156 degrees)

Salt Lake City, UT - 457 km (284 miles) N (9 degrees)

Coordinates 44 deg. 48.7 min. N (44.811N), 111 deg. 1.1 min. W (111.019W)

Depth 8.6 km (5.3 miles)

Location Quality Fair

Location Quality Nst= 17, Nph= 17, Dmin=5.9 km, Rmss=0.12 sec, Erho=0.6 km, Erzz=0.9

Parameters km, Gp=187.2 degrees

Event ID# uu06090122

Additional Information map

Topo map centered at earthquake (This link takes you offsite).

Did you feel it? - [Click Here](#)
[ShakeMaps](#) - [Utah Region](#)

For more information, see <http://quake.utah.edu/>

[[Index map](#) || [big earthquake list](#) || [all earthquake list](#) || [glossary of terms](#) || [Home page](#)]

Attachment 16-c Reported VSGS and Intellicast as 1.5 Mag.

Jun 8, 2011
YMC EH2 NY 01
(Maple Creek, Yellowstone Park, NY)

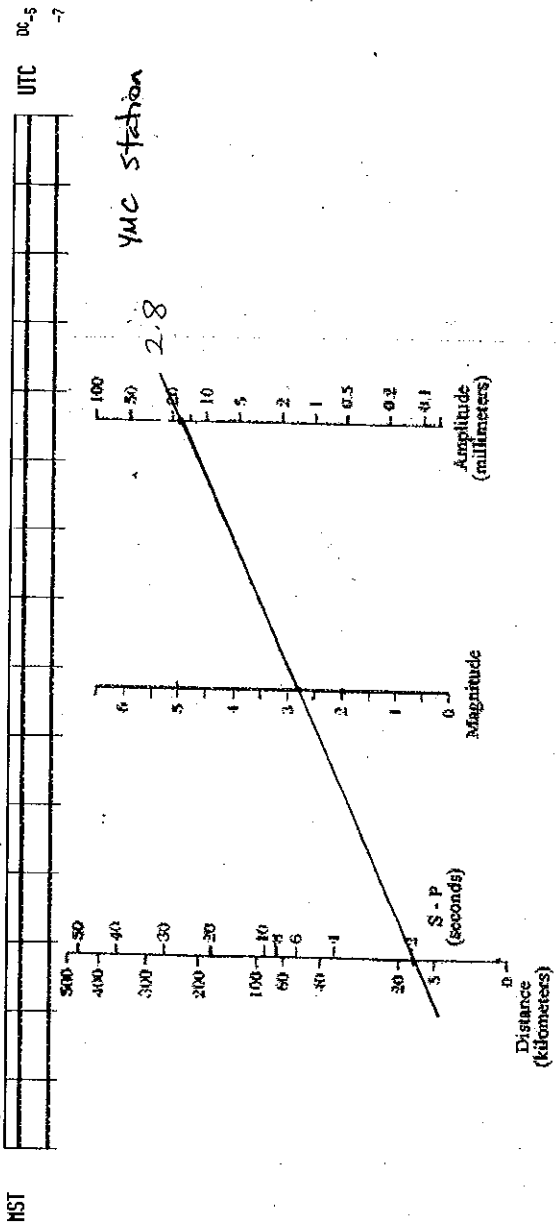
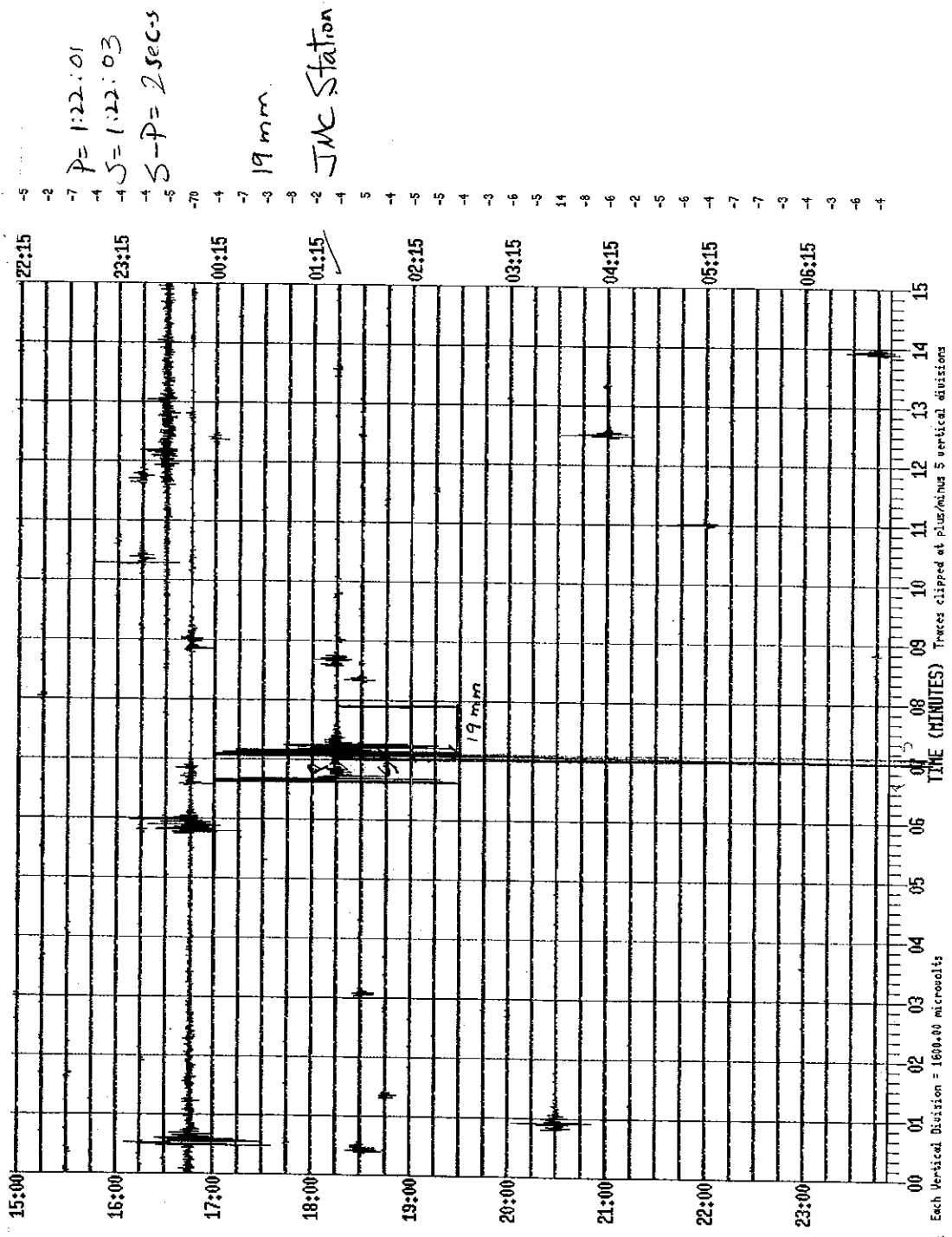
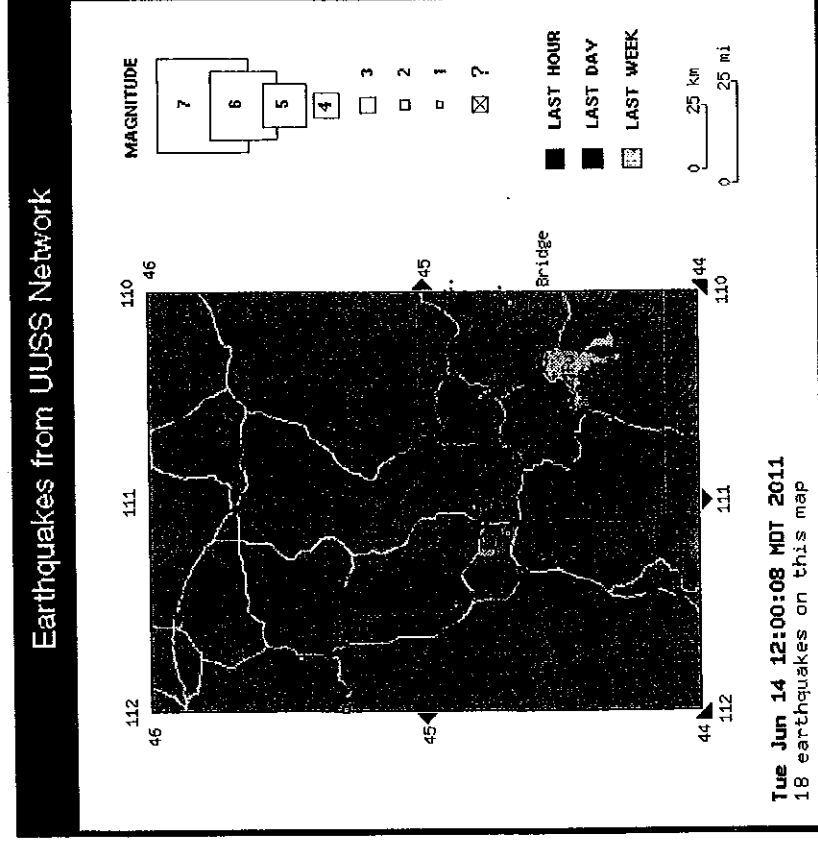


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)



Recent Earthquakes in the Intermountain West



Click on an earthquake on the above map (or in the list below) for more information.
Click on an arrow at edge or corner of above map to go to an adjacent map.

Click here to go to [index map](#) || [big earthquake list](#) || [all earthquakes list](#)

Special maps: [Yellowstone National Park](#) || [ANSS Intermountain West Region](#)
Map need updating? Try reloading the page to your browser.

Maps are updated within about 5 minutes of an earthquake or once an hour.

Brown lines represent known hazardous faults or fault zones. White lines are roads.
[What happens when I click on an earthquake?](#)

Update time = Tue Jun 14 12:00:08 MDT 2011

Here are the earthquakes appearing on this map, most recent at top ...

UTC	MAG	DATE Y/M/d	LOCAL-TIME	LAT deg	LON deg	DEPTH km	LOCATION
			h:m:s				
3:57:58	1.3	2011/06/11	21:55:58	44.674N	110.046W	17.0	39 km (24 mi) SSW of Cooke City-Silver Gate, MT
	0.9	2011/06/10	16:58:53	44.404N	111.010W	7.0	28 km (18 mi) ESE of Island Park, ID
	1.7	2011/06/10	12:06:28	45.445N	111.746W	10.7	11 km (7 mi) N of Ennis, MT
13:49:30	1.5*	2011/06/10	07:49:50	44.785N	110.502W	2.1	32 km (20 mi) SSE of Gardiner, MT *
1:18:51	1.5	2011/06/09	19:18:51	44.312N	110.611W	5.8	55 km (34 mi) SE of West Yellowstone, MT
1:13:20	0.5	2011/06/09	19:13:20	44.316N	110.605W	5.7	55 km (34 mi) SE of West Yellowstone, MT
	1.4	2011/06/09	14:43:43	44.689N	111.150W	6.2	5 km (3 mi) NW of West Yellowstone, MT
17:02:42	1.1	2011/06/09	11:12:42	44.767N	110.476W	3.6	35 km (22 mi) SSE of Gardiner, MT
10:03:33	<0.8	2011/06/09	04:03:33	44.349N	110.677W	2.3	49 km (30 mi) SE of West Yellowstone, MT
9:53:46	<0.5*	2011/06/09	03:53:46	44.350N	110.672W	2.8	49 km (30 mi) SE of West Yellowstone, MT *
9:53:30	<0.6	2011/06/09	03:53:30	44.353N	110.676W	2.6	48 km (30 mi) SE of West Yellowstone, MT
9:51:02	1.1*	2011/06/09	03:52:02	44.349N	110.675W	2.7	49 km (30 mi) SE of West Yellowstone, MT *
9:47:30	<0.8*	2011/06/09	03:47:30	44.324N	110.647W	2.3	52 km (33 mi) SE of West Yellowstone, MT *
	1.1	2011/06/08	21:30:40	44.889N	111.496W	8.7	40 km (25 mi) NW of West Yellowstone, MT
	1.5	2011/06/08	19:22:01	44.811N	111.019W	8.6	18 km (11 mi) NNE of West Yellowstone, MT
	1.0	2011/06/08	19:21:34	44.809N	111.019W	8.3	18 km (11 mi) NNE of West Yellowstone, MT
	1.2	2011/06/08	09:37:44	45.290N	111.990W	10.6	4 km (2 mi) W of Virginia City, MT
8:41:25	0.7	2011/06/08	02:41:25	44.517N	110.582W	2.3	45 km (28 mi) ESE of West Yellowstone, MT

[Top of this page]

[Special maps: [Yellowstone National Park](#) || [ANSS Intermountain West Region](#)]

[Index map || [big earthquake list](#) || [all earthquake list](#) || [glossary of terms](#) || [Home page](#)]

Data Sources

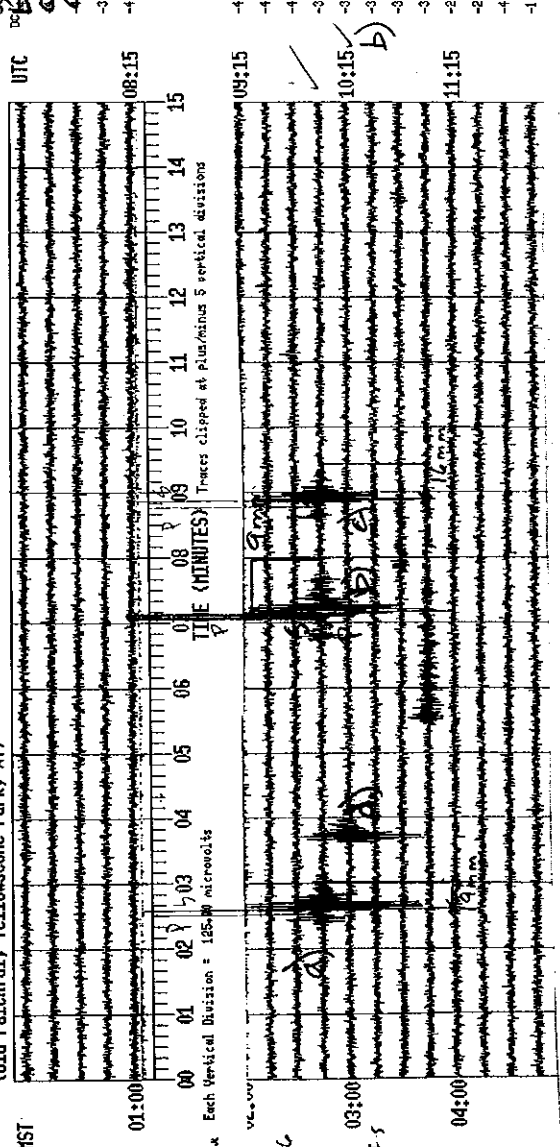
Utah Region + Yellowstone National Park Region = University of Utah Seismograph Stations
a member of the [Advanced National Seismic System \(ANSS\)](#)

Attachment 17-b

a) P=9:47:30
 S=9:47:34
 S-P=4 sec
 19 mm
 "0.8"

Jun 9, 2011
 YFT SHZ NY 01
 Old Faithful, Yellowstone Park, NY

Reported 4
 of them:
 a) 9:47:30
 b) 9:52:02
 c) 9:53:46
 d) 10:03:33



c) 9:53:46
 S=9:52:51
 S-P=5.3 sec
 16 mm
 "0.5"

YFT Station
 P=9:52:02
 S=9:52:06
 S-P=4 sec
 9 mm
 "1.1"

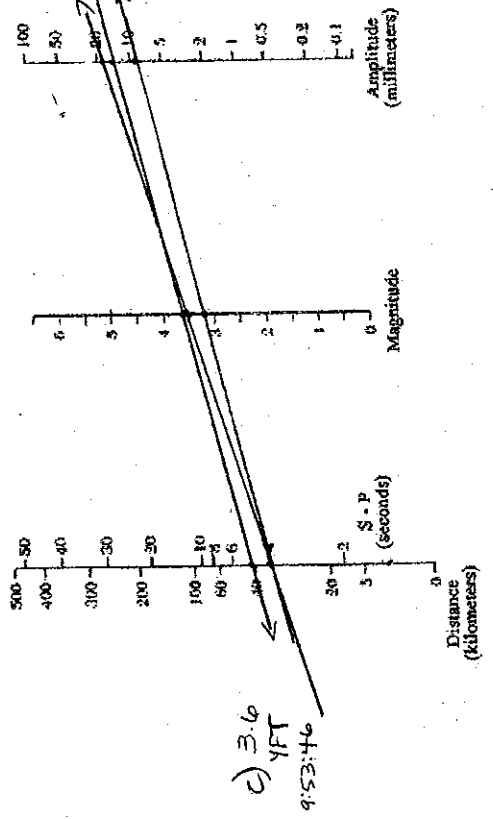
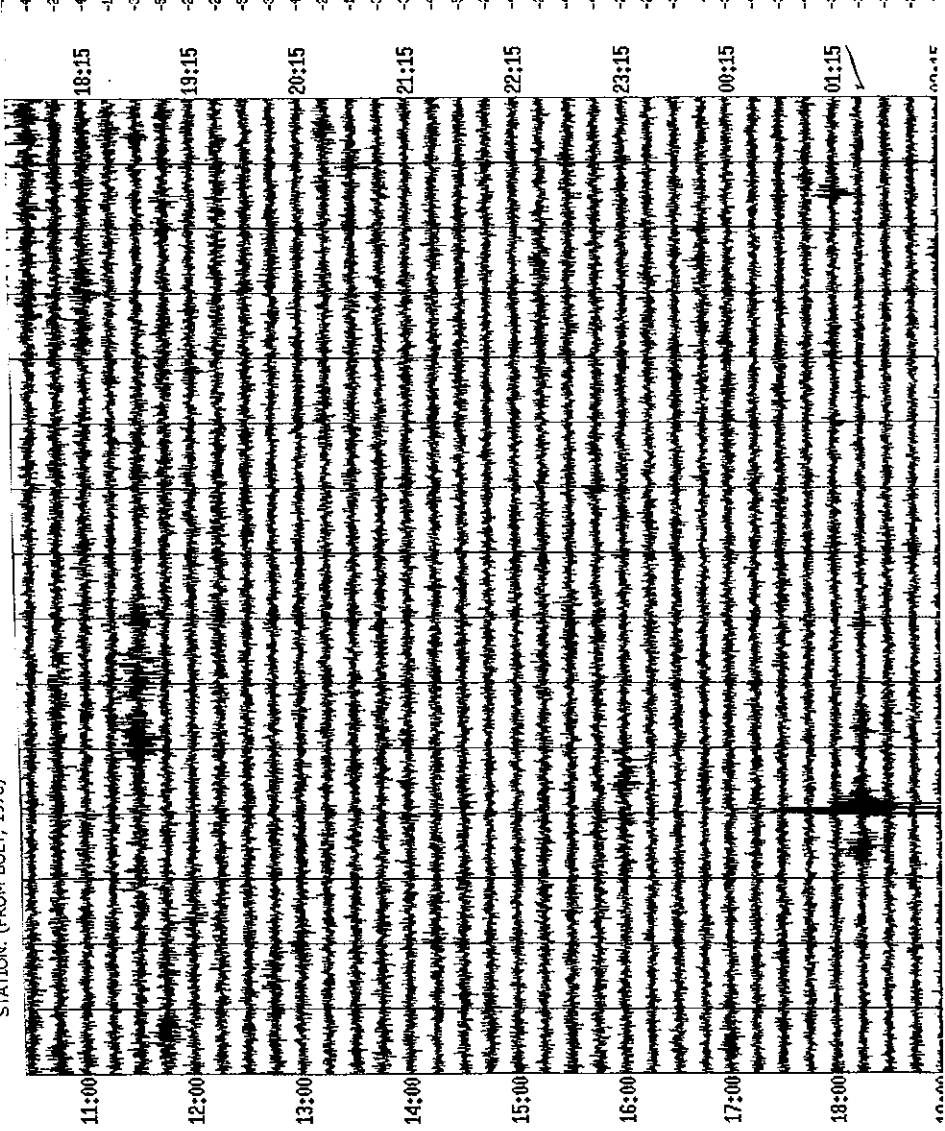


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)



Reported at
 1:18:51 in
 USGS and
 Intell:cast
 as 1.5 Mag
 YFT Station

June 9, 2011
 Reported as
 June 10, 2011

Jun 10, 2011
YMR SH2 NY 01
(Madison River, Yellowstone Park, WY)

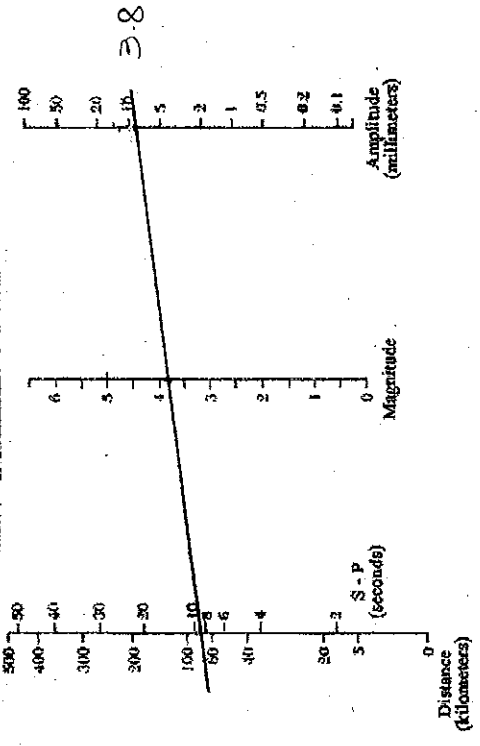
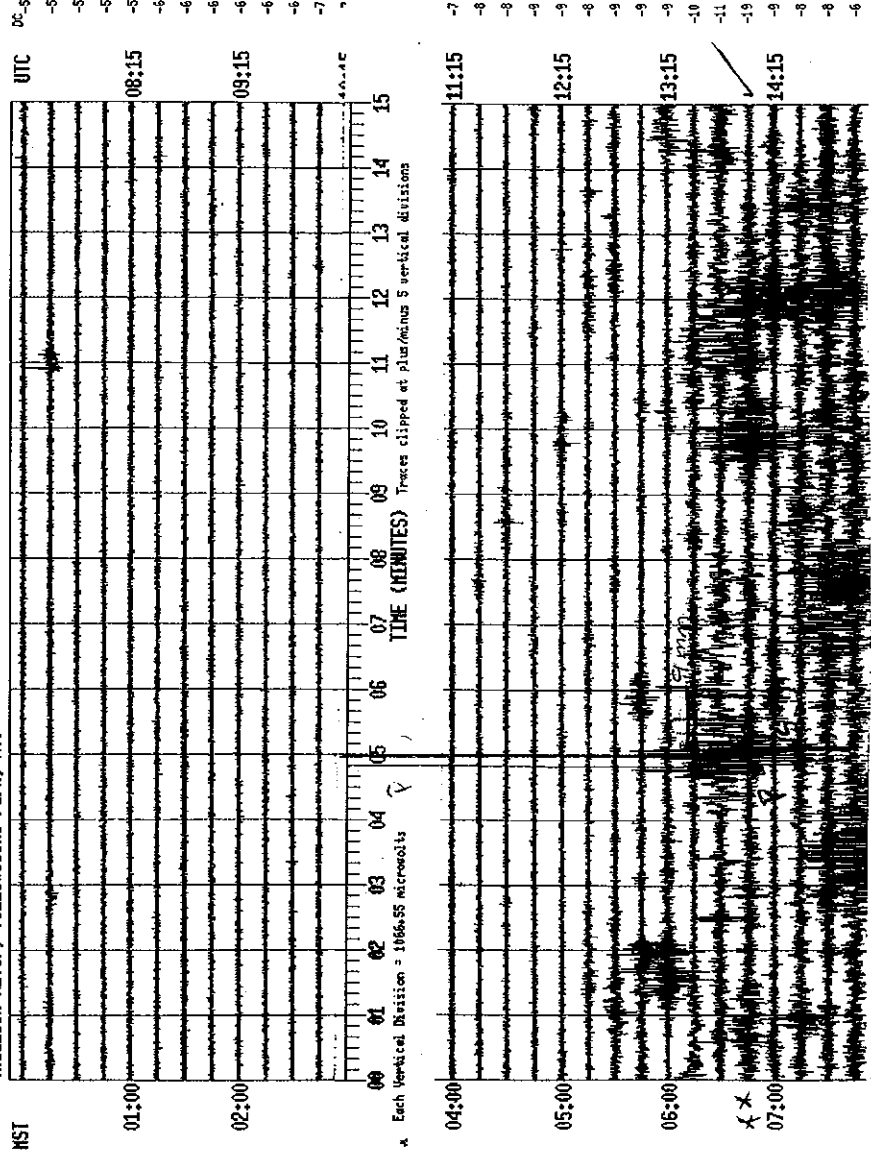
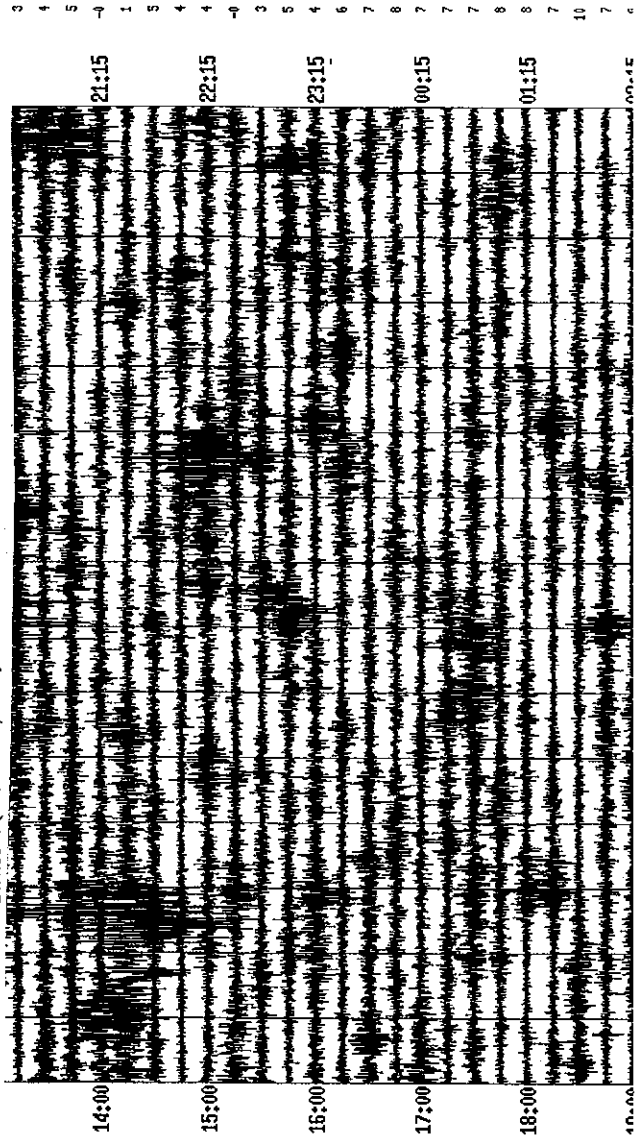


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)





Earthquake Hazards Program

Earthquake List for Map Centered at 44°N, 110°W

Update time = Thu Jun 16 13:00:01 UTC 2011

Here are the earthquakes in the Map Centered at 44°N, 110°W area, most recent at the top.
(Some early events may be obscured by later ones.)

Click on the underlined portion of an earthquake record in the list below for more information.

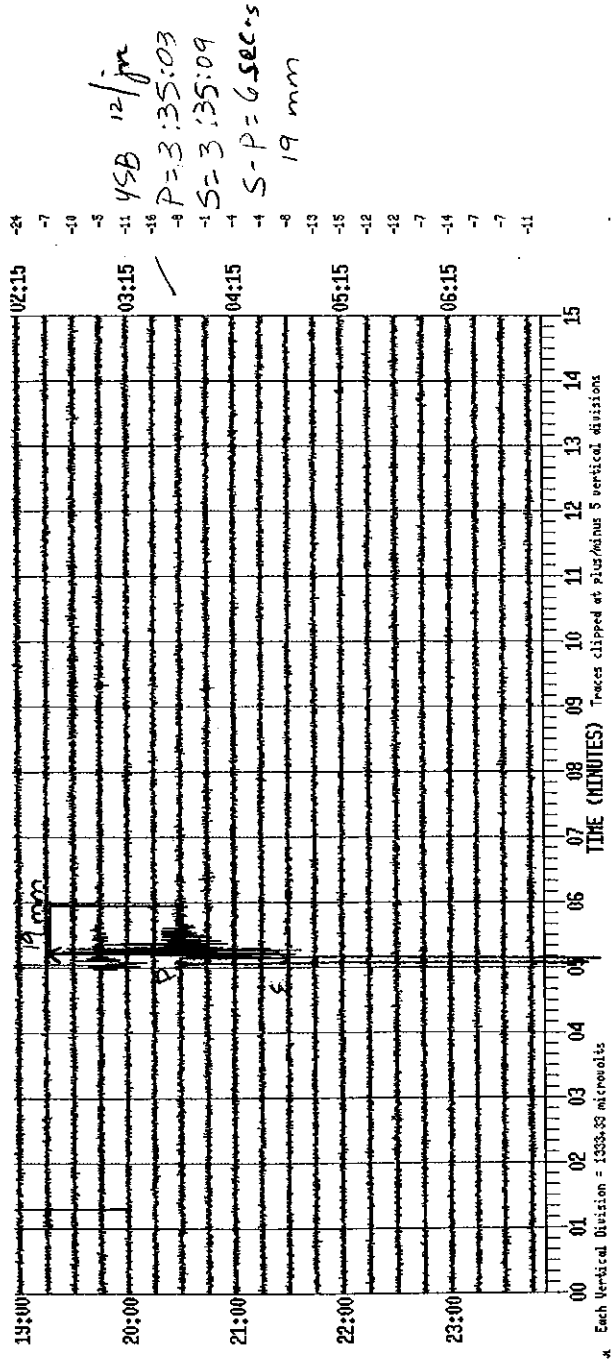
MAG	UTC DATE-TIME yymmdd hh:mm:ss	LAT deg	LO N deg	DEPTH km	LOCATION
MAP 1.6	<u>2011/06/14 04:54:18</u>	<u>44.617</u>	<u>-110.283</u>	2.3	52 km (32 mi) SSW of Cooke City-Silver Gate, MT ✓
MAP 1.6	<u>2011/06/13 03:35:03</u>	<u>44.832</u>	<u>-110.466</u>	7.2	30 km (19 mi) SE of Gardiner, MT ✓
MAP 1.3	<u>2011/06/12 03:55:58</u>	<u>44.674</u>	<u>-110.046</u>	<u>17.0</u>	39 km (24 mi) SSW of Cooke City-Silver Gate, MT
MAP 1.5	<u>2011/06/10 13:49:50</u>	<u>44.785</u>	<u>-110.502</u>	2.1	33 km (20 mi) SSE of Gardiner, MT
MAP 1.5	<u>2011/06/10 01:18:51</u>	<u>44.312</u>	<u>-110.611</u>	5.8	55 km (34 mi) SE of West Yellowstone, MT
MAP 1.1	<u>2011/06/09 17:12:42</u>	<u>44.767</u>	<u>-110.476</u>	3.6	35 km (22 mi) SSE of Gardiner, MT

Reported on seismogram
of June 13, 2011, at
local time 10:54:18

Reported on seismogram
of June 12, 2011, at
local time.

[Back to Map Centered at 44°N, 110°W](#)

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About the Webicorder Display, including interpreted examples of earthquake recordings.

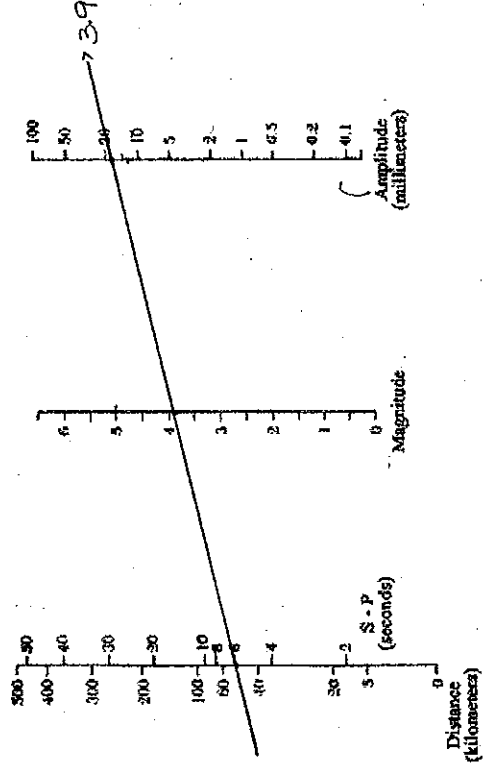


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)

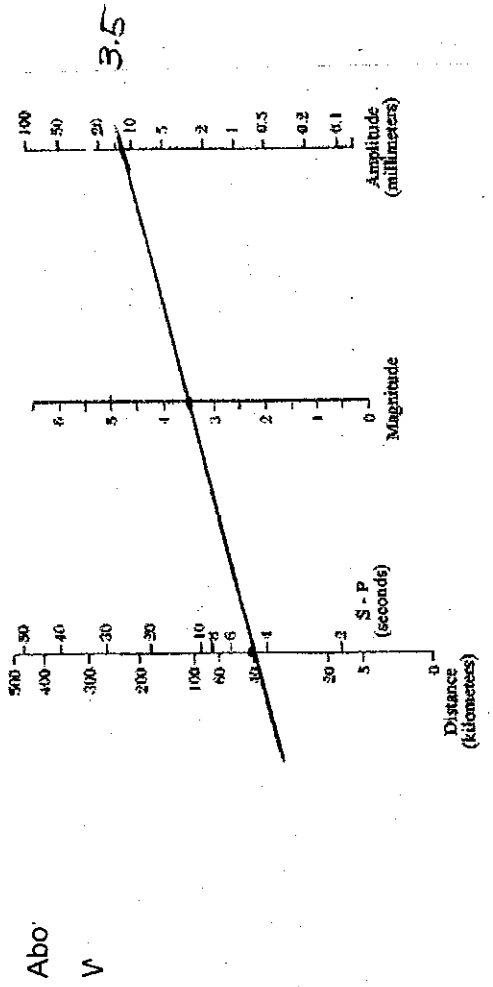
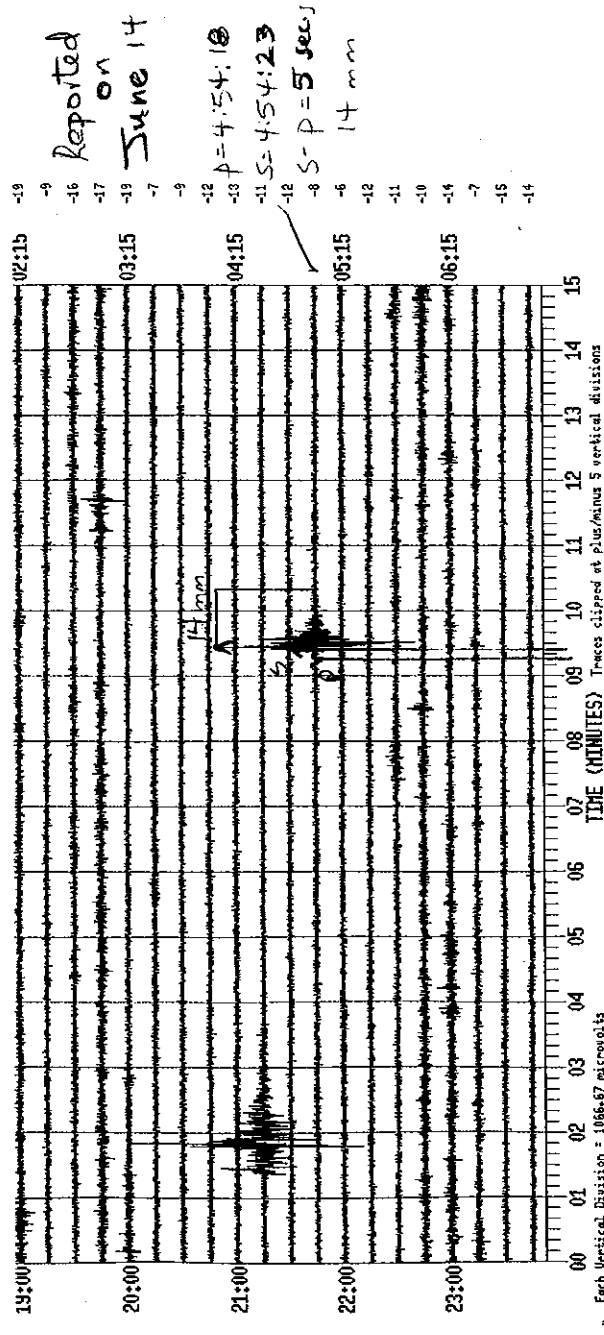


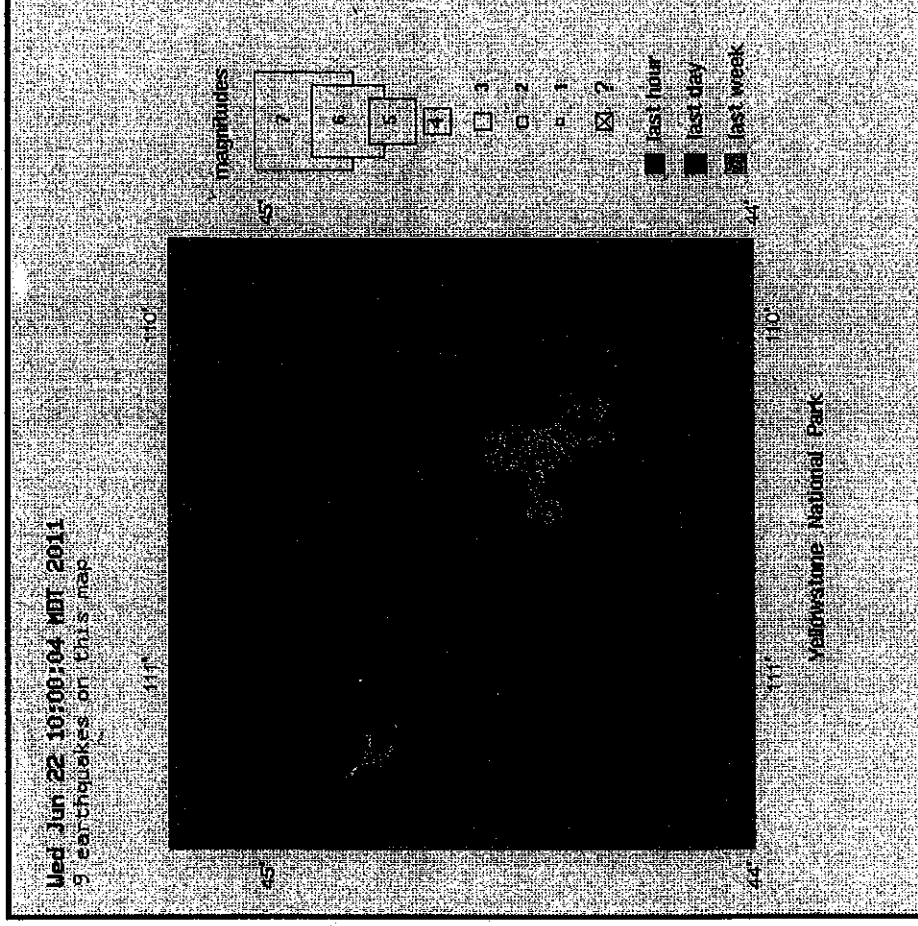
FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)

Webicorder links for Teton Region
FLWY_SHZ_IW (Flagg Ranch, WY)

Go

Recent Earthquakes in the Intermountain West

Yellowstone National Park Special Map



Click on an earthquake on the above map (or in the list below) for more information.

Click here to go to [index map](#) || [big earthquake list](#) || [all earthquakes list](#)

Special maps: [Yellowstone National Park](#) || [ANSS Intermountain West Region](#)

Map need updating? Try reloading the page to your browser.

Maps are updated within about 5 minutes of an earthquake or once an hour.

Brown lines represent known hazardous faults or fault zones. White lines are roads.

What happens when I click on an earthquake?

Update time = Wed Jun 22 10:00:04 MDT 2011

Here are the earthquakes appearing on this map, most recent at top ...

UTC	MAG	DATE Y/m/d	LOCAL-TIME h:m:s	LAT deg	LONG deg	DEPTH km	LOCATION
20:01:29	← 1.1	2011/06/19	14:10:29	44.675N	110.441W	2.2	46 km (28 mi) SSE of Gardiner, MT
9:16:54	← 1.2	2011/06/19	03:16:54	44.523N	111.060W	12.7	16 km (10 mi) SSE of West Yellowstone, MT
9:14:27	← 2.3	2011/06/19	03:14:27	44.523N	111.062W	12.7	16 km (10 mi) SSE of West Yellowstone, MT → *
9:11:59	← 0.1	2011/06/19	03:12:59	44.525N	111.046W	15.8	16 km (10 mi) SSE of West Yellowstone, MT
9:12:34	← 0.7	2011/06/19	03:12:34	44.525N	111.059W	13.3	16 km (10 mi) SSE of West Yellowstone, MT

<http://www.seis.utah.edu/req2/webdir/recenteqs/Maps/Yellowstone.html>

6/22/2011

Attachment
21-b

9:11:33
 17:47:46
 23:25:18
 23:08:15

16 km (10 mi) SSE of West Yellowstone, MT
 17 km (11 mi) NNE of West Yellowstone, MT
 18 km (11 mi) NNE of West Yellowstone, MT
 17 km (10 mi) NNE of West Yellowstone, MT

[Top of this page]

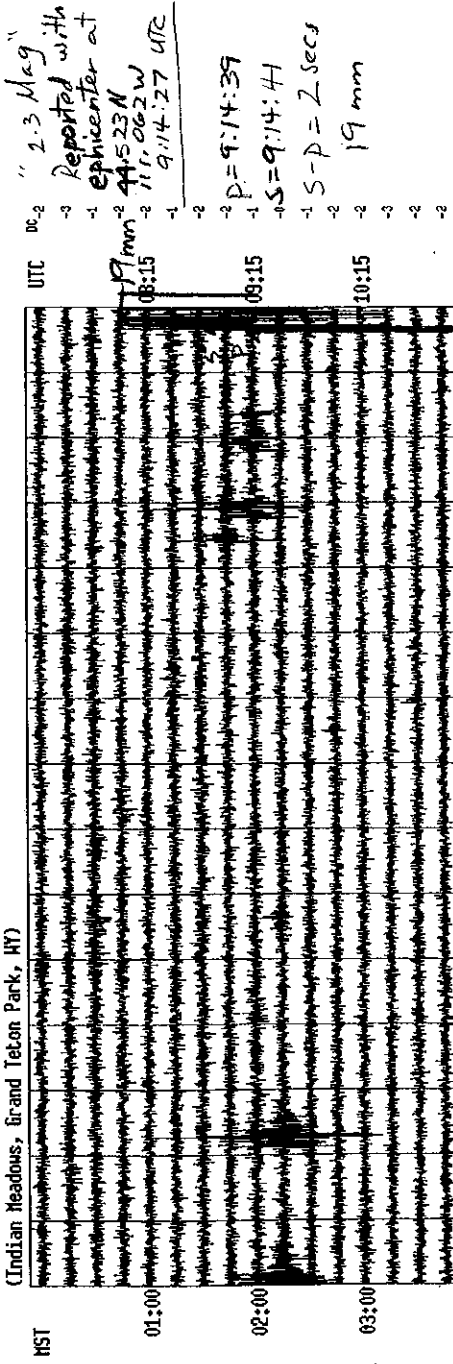
[Special maps: [Yellowstone National Park](#) || [ANSS Intermountain West Region](#)]

[[Index map](#) || [big earthquake list](#) || [all earthquake list](#) || [glossary of terms](#) || [Home page](#)]

Data Sources

Utah Region + Yellowstone National Park Region = [University of Utah Seismograph Stations](#)
a member of the [Advanced National Seismic System \(ANSS\)](#)

Jun19, 2011
IMH SHZ IH 01
(Indian Meadows, Grand Teton Park, WY)



Each Vertical Division = 100.00 microvolts
Traces clipped at plus/minus 5 vertical divisions

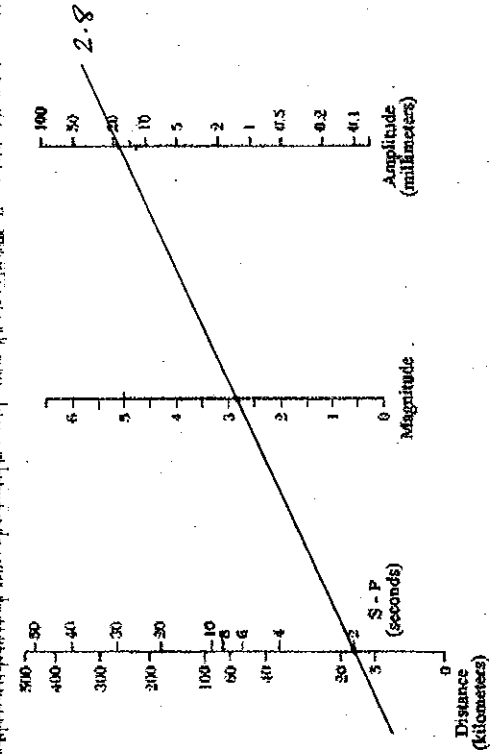
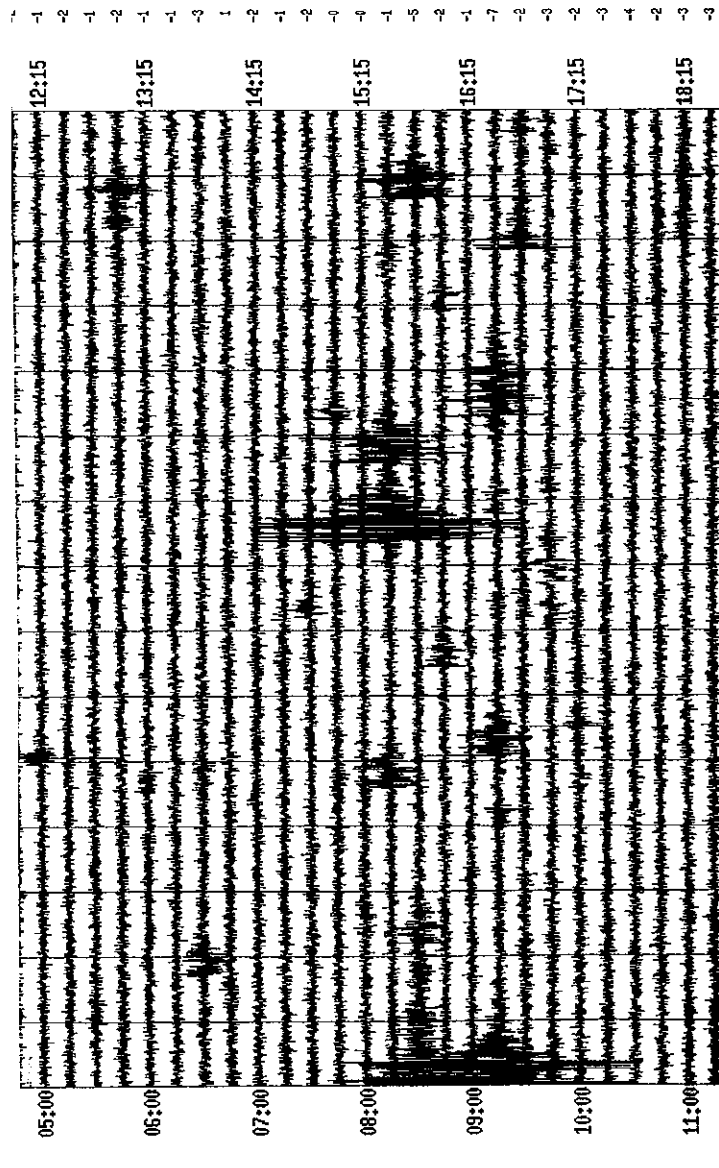
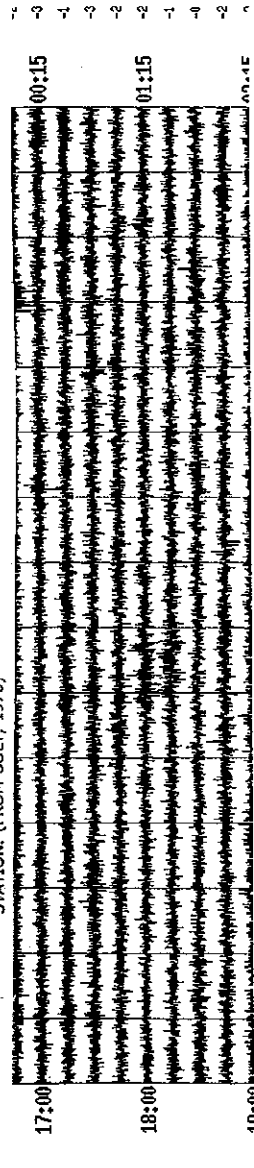
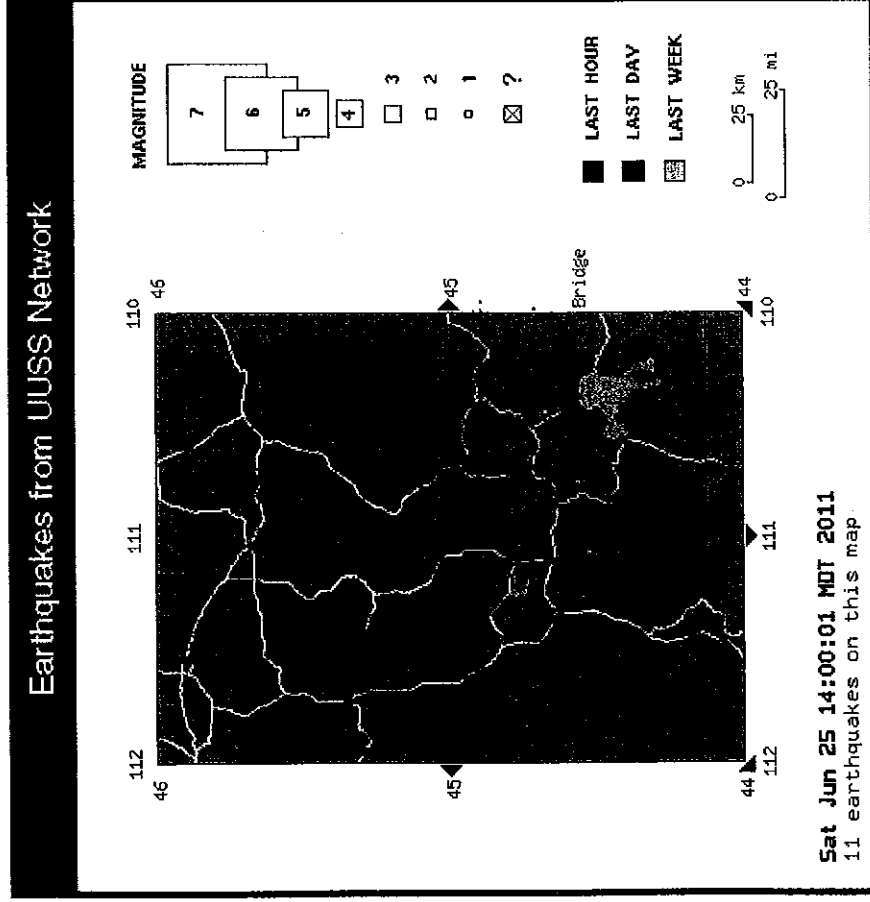


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)



Recent Earthquakes in the Intermountain West



Click on an earthquake on the above map (or in the list below) for more information.

Click on an arrow at edge or corner of above map to go to an adjacent map.

Click here to go to [index map](#) || [big earthquake list](#) || [all earthquakes list](#)

Special maps: [Yellowstone National Park](#) || [ANSS Intermountain West Region](#)

Map need updating? Try reloading the page to your browser.

Maps are updated within about 5 minutes of an earthquake or once an hour.

Brown lines represent known hazardous faults or fault zones. White lines are roads.

What happens when I click on an earthquake?

Update time = Sat Jun 25 14:00:01 MDT 2011

Here are the earthquakes appearing on this map, most recent at top ...

MAG	DATE y/m/d	LOCAL TIME	LAT deg	LON deg	DEPTH km	LOCATION
		h:m/s				
0:17:35	2011/06/23	18:18:35	44.565N	110.746W	0.0	30 km (19 mi) ESE of West Yellowstone, MT *
23:45:23	2011/06/23	17:45:23	44.561N	110.749W	3.2	30 km (19 mi) ESE of West Yellowstone, MT *
16:50:41	2011/06/23	10:50:48	44.727N	111.095W	9.7	7 km (5 mi) N of West Yellowstone, MT
12:41:23	2011/06/22	19:26:42	44.738N	111.131W	14.5	9 km (5 mi) NNW of West Yellowstone, MT
04:17:11	2011/06/20	18:17:11	44.562N	111.015W	9.9	13 km (8 mi) SSE of West Yellowstone, MT
20:10:24	2011/06/19	14:10:29	44.675N	110.441W	2.2	46 km (28 mi) SSE of Gardiner, MT
9:16:54	2011/06/19	03:16:54	44.523N	111.060W	12.7	16 km (10 mi) SSE of West Yellowstone, MT
9:14:37	2011/06/19	03:14:27	44.523N	111.062W	12.7	16 km (10 mi) SSE of West Yellowstone, MT*
9:12:59	2011/06/19	03:12:59	44.525N	111.046W	15.8	16 km (10 mi) SSE of West Yellowstone, MT
9:12:34	2011/06/19	03:12:34	44.525N	111.059W	13.3	16 km (10 mi) SSE of West Yellowstone, MT
9:11:33	2011/06/19	03:11:33	44.523N	111.057W	12.3	16 km (10 mi) SSE of West Yellowstone, MT

[Top of this page]

[Special maps: [Yellowstone National Park](#) || [ANSS Intermountain West Region](#)]
[[Index map](#) || [big earthquake list](#) || [all earthquake list](#) || [glossary of terms](#) || [Home page](#)]

Data Sources

Utah Region + Yellowstone National Park Region = [University of Utah Seismograph Stations](#)
a member of the [Advanced National Seismic System \(ANSS\)](#)



Earthquake Hazards Program

Earthquake List for Map Centered at 44°N, 110°W

Update time = Sat Jun 25 14:00:03 UTC 2011

Here are the earthquakes in the Map Centered at 44°N, 110°W area, most recent at the top.
(Some early events may be obscured by later ones.)

Click on the underlined portion of an earthquake record in the list below for more information.

MAG	UTC DATE-TIME	LAT	LEN	DEPTH	LOCATION
	Y/m/d h:m:s	deg	deg	km	
MAP 1.8	<u>2011/06/24 00:18:35</u>	44.565	-110.746	0.0	30 km (19 mi) ESE of West Yellowstone, MT
MAP 1.2	<u>2011/06/23 23:45:23</u>	44.561	-110.749	3.2	30 km (19 mi) ESE of West Yellowstone, MT
MAP 1.1	<u>2011/06/19 20:10:28</u>	44.675	-110.441	2.2	46 km (28 mi) SSE of Gardiner, MT

*or
Local time 23/jun 6:18:35 pm*

[Back to Map Centered at 44°N, 110°W](#)

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Attachment 22-C

Jun 23, 2011
 YFT SHZ NY 01
 (Old Faithful, Yellowstone Park, NY)

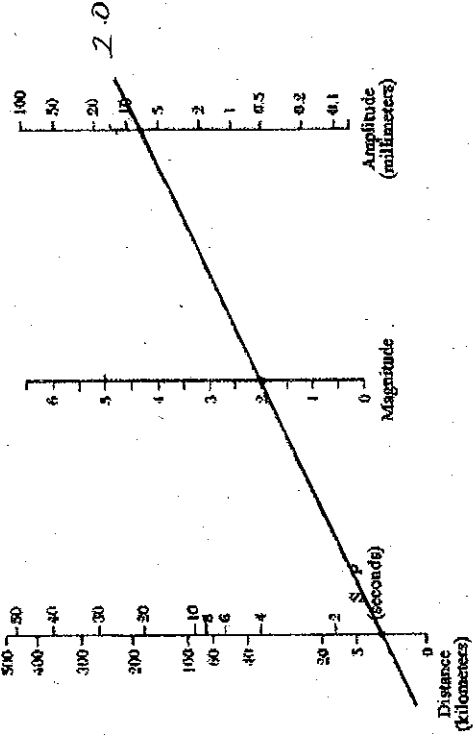
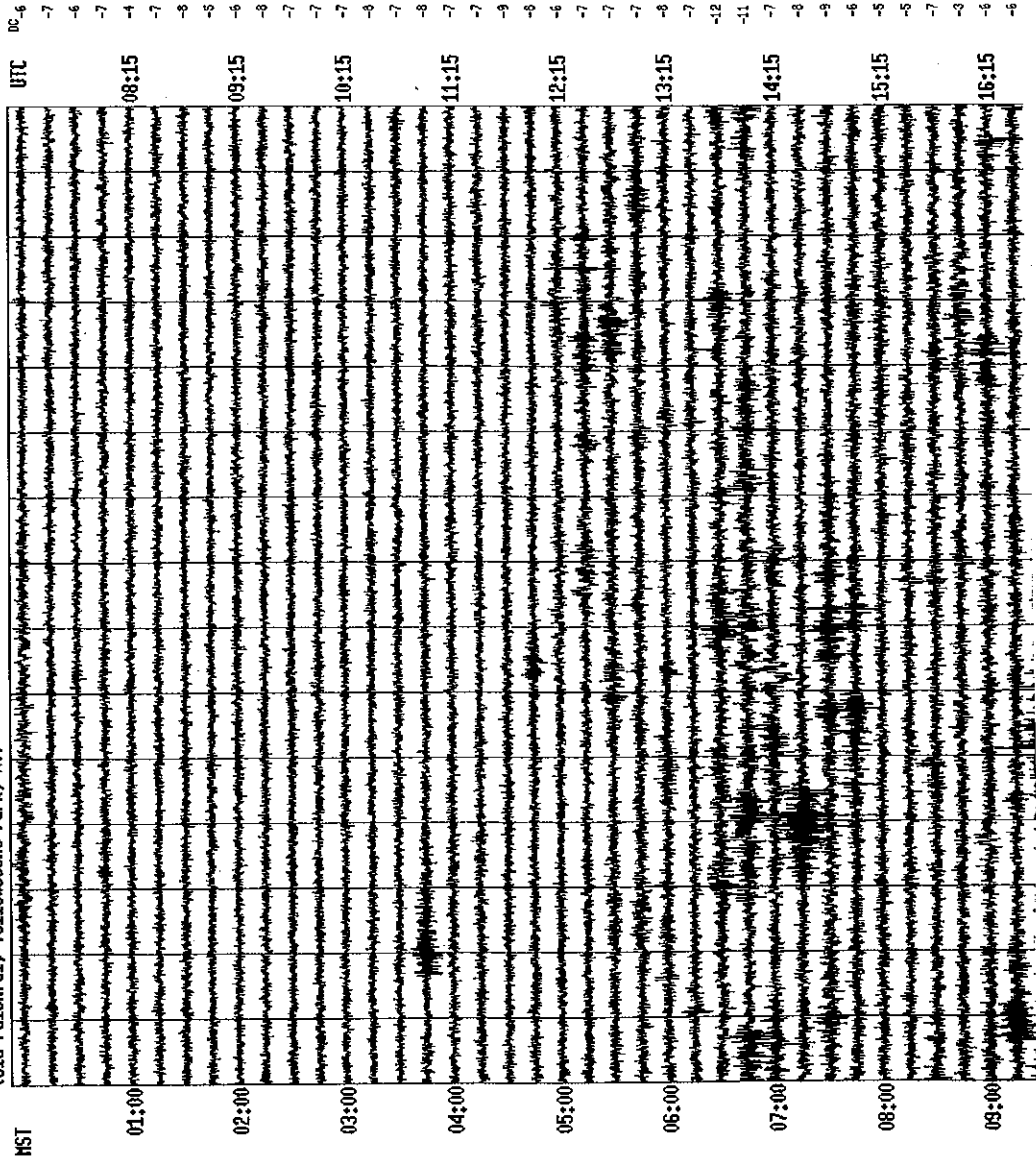
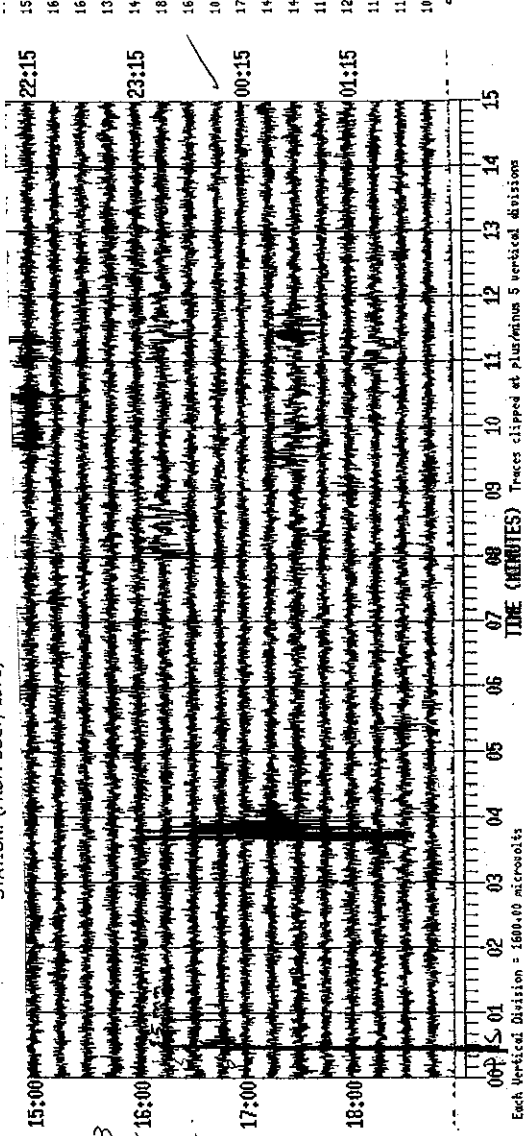


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)



P=22:45:23
 S=23:45:24
 S-P=1 sec
 8.5 mm

Each Vertical Division = 100.00 microvolts

Traces clipped at plus/minus 5 vertical divisions

Jun 23, 2011
 YLI EHZ NY 01
 (Little West Thumb, Yellowstone Park, NY)

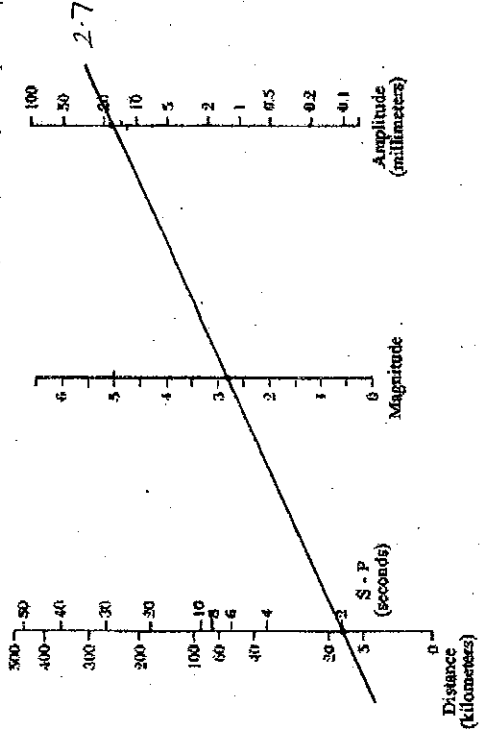
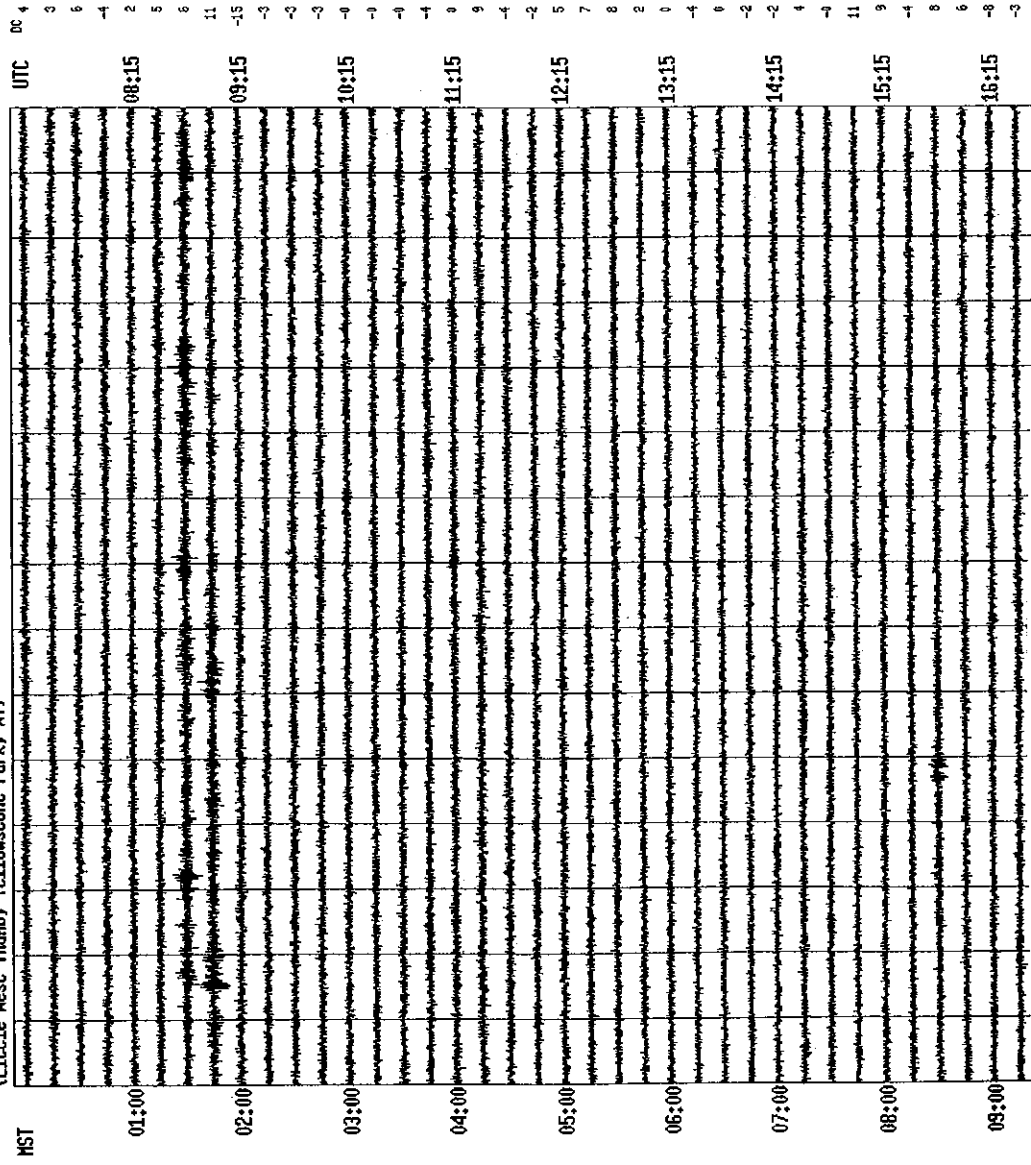
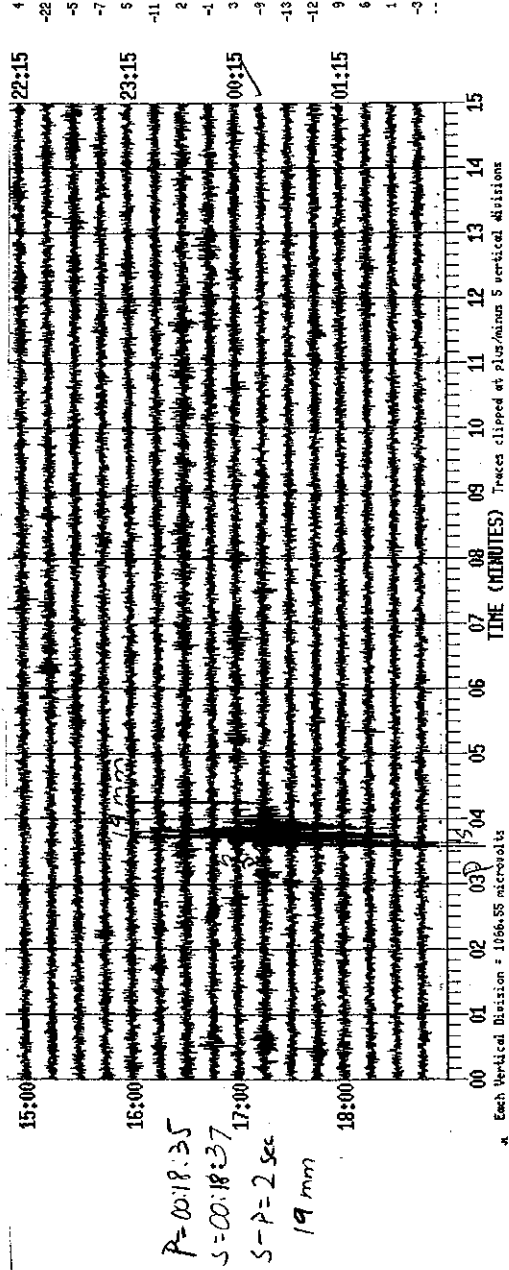


FIGURE 2 - USE THE AMPLITUDE TO DERIVE THE MAGNITUDE OF THE EARTHQUAKE, AND THE DISTANCE FROM THE EARTHQUAKE TO THE STATION. (FROM BOLT, 1978)



* Each Vertical Division = 1000.05 microvolts