Mystery Epicenter
Group # 0 - Example

Name (s): _____

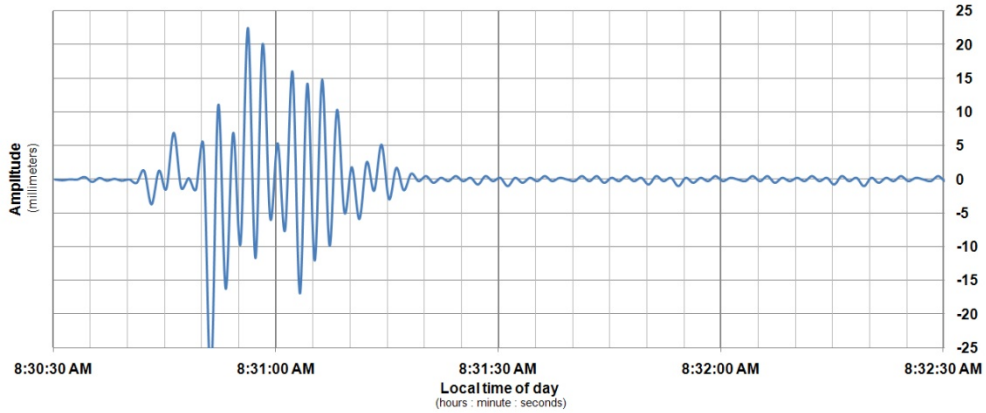
_____

_____

Date: _____

1. Mark the first arrival of the P-wave on each seismogram.
2. Mark the first arrival of the S-wave on each seismogram.
3. Write down your data in the box to the right of each seismogram.
4. Get the "distance from the epicenter" from the graph you made earlier using the "S-P lag time" that you recorded at your seismic station.

Seismogram - Group # 0 Example - Station A



Station A

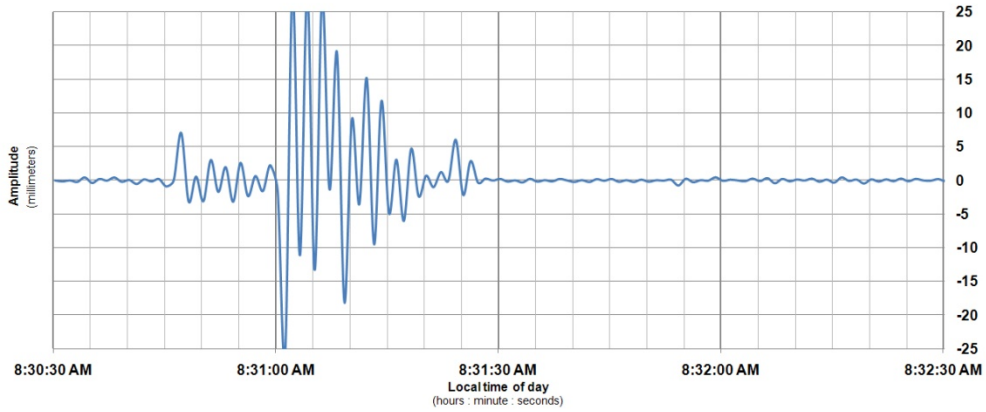
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group # 0 Example - Station B



Station B

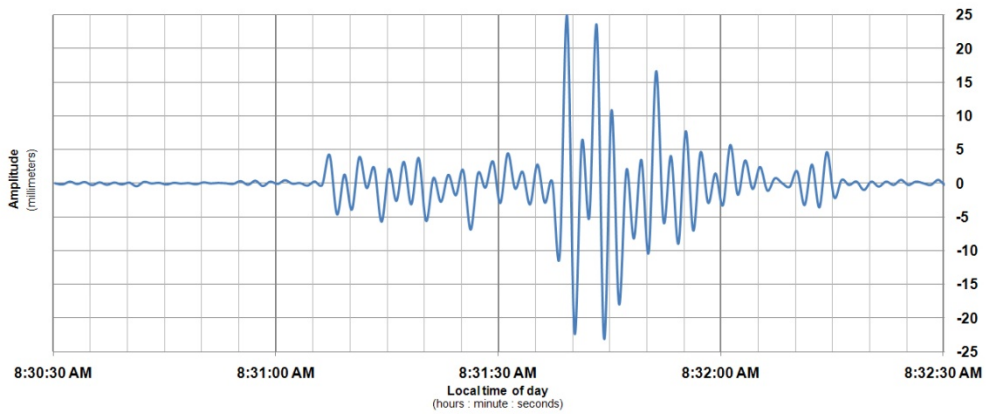
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group # 0 Example - Station C



Station C

Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Earthquake epicenter activity

Earthguide at Geosciences Research Division, Scripps Institution of Oceanography http://earthguide.ucsd.edu
This project produced with support from COSEE California.
Updated: July 30, 2009

Mystery Epicenter
Group #1

Name (s): _____

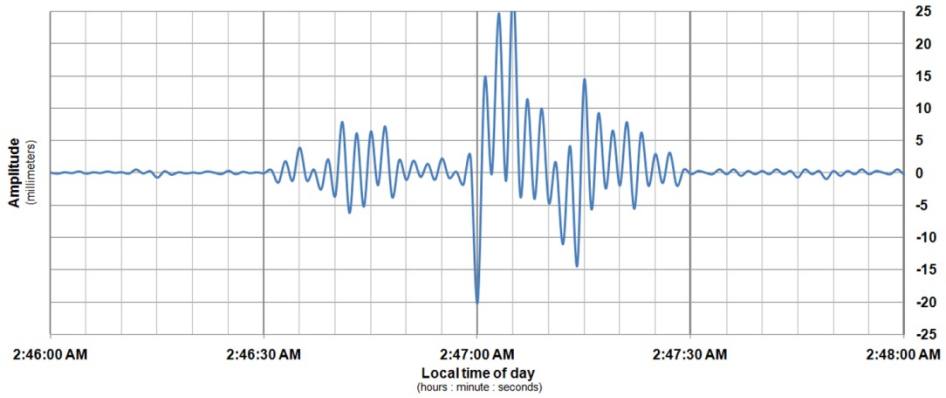
_____

_____

Date: _____

1. Mark the first arrival of the P-wave on each seismogram.
2. Mark the first arrival of the S-wave on each seismogram.
3. Write down your data in the box to the right of each seismogram.
4. Get the "distance from the epicenter" from the graph you made earlier using the "S-P lag time" that you recorded at your seismic station.

Seismogram - Group #1 - Station A



Station A

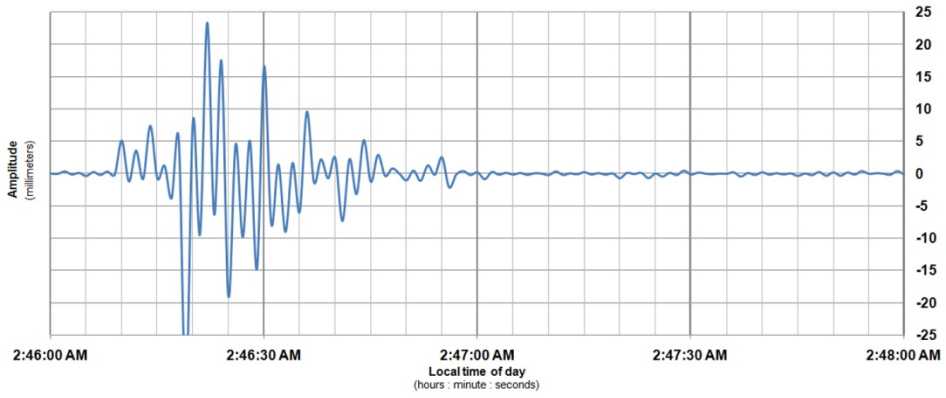
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #1 - Station B



Station B

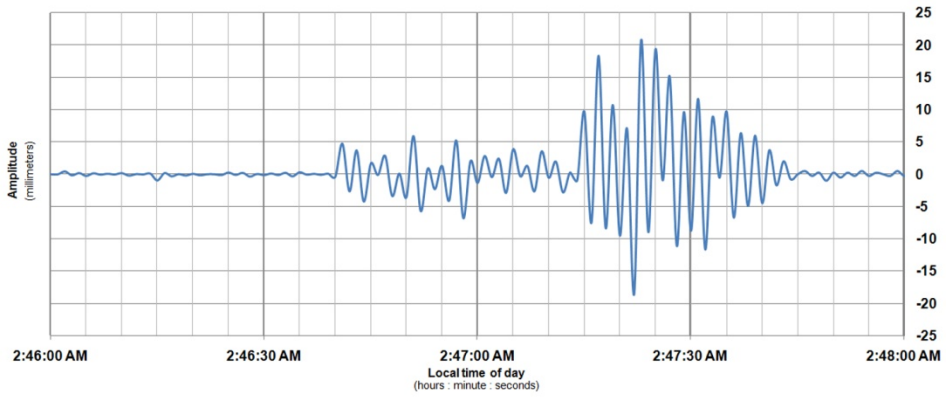
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #1 - Station C



Station C

Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Earthquake epicenter activity

Earthguide at Geosciences Research Division, Scripps Institution of Oceanography http://earthguide.ucsd.edu
This project produced with support from COSEE California.

Mystery Epicenter
Group #2

Name (s): _____

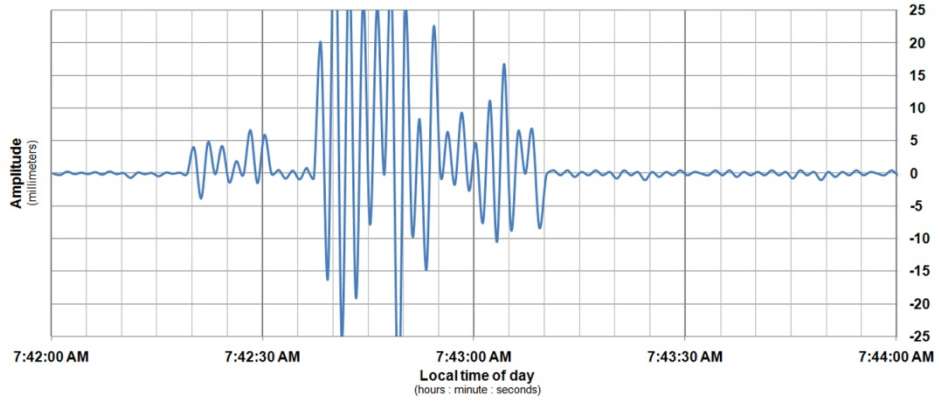
_____

_____

Date: _____

1. Mark the first arrival of the P-wave on each seismogram.
2. Mark the first arrival of the S-wave on each seismogram.
3. Write down your data in the box to the right of each seismogram.
4. Get the "distance from the epicenter" from the graph you made earlier using the "S-P lag time" that you recorded at your seismic station.

Seismogram - Group #2 - Station A



Station A

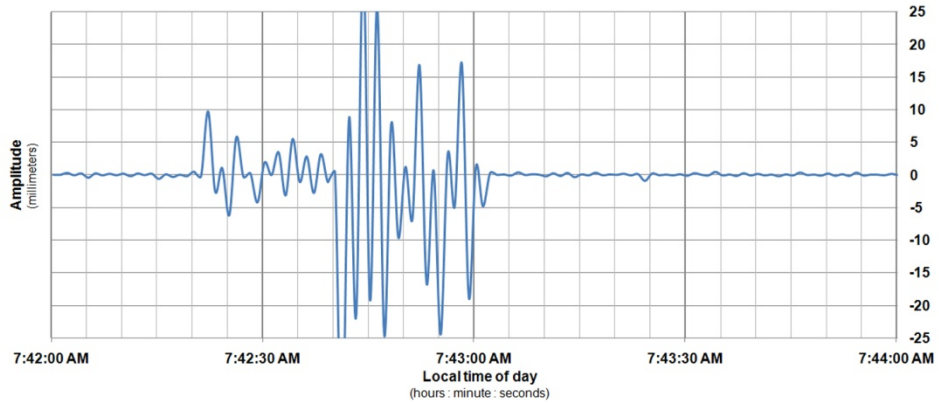
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #2 - Station B



Station B

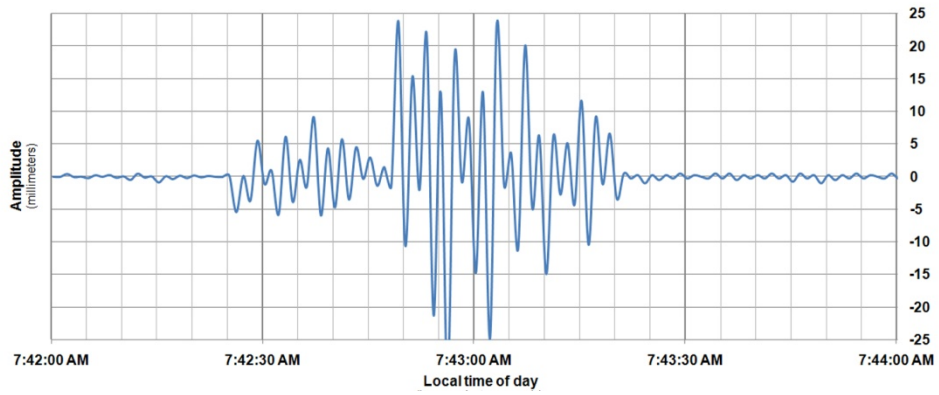
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #2 - Station C



Station C

Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Mystery Epicenter
Group #3

Name (s): _____

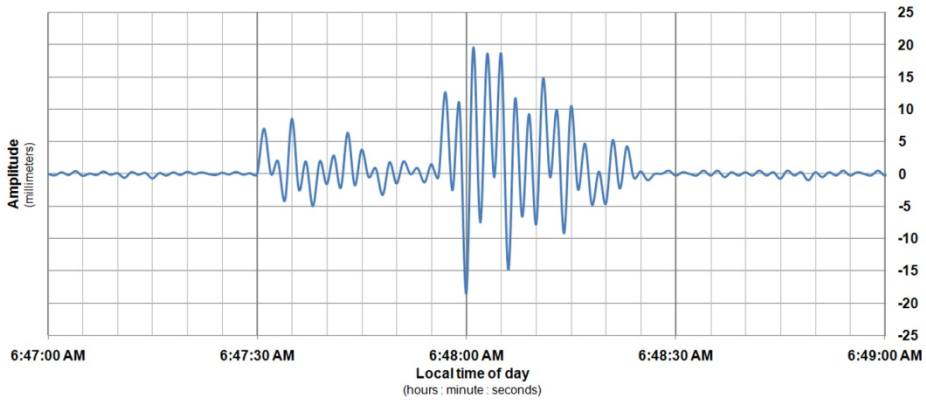
_____

_____

Date: _____

1. Mark the first arrival of the P-wave on each seismogram.
2. Mark the first arrival of the S-wave on each seismogram.
3. Write down your data in the box to the right of each seismogram.
4. Get the "distance from the epicenter" from the graph you made earlier using the "S-P lag time" that you recorded at your seismic station.

Seismogram - Group #3- Station A



Station A

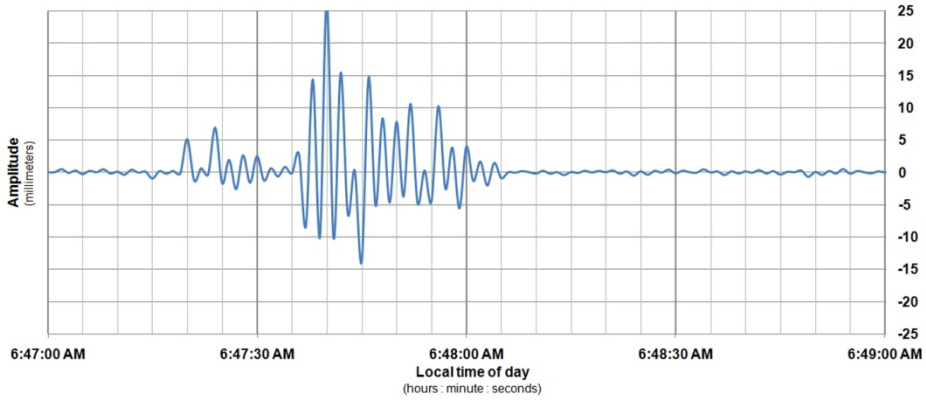
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #3 - Station B



Station B

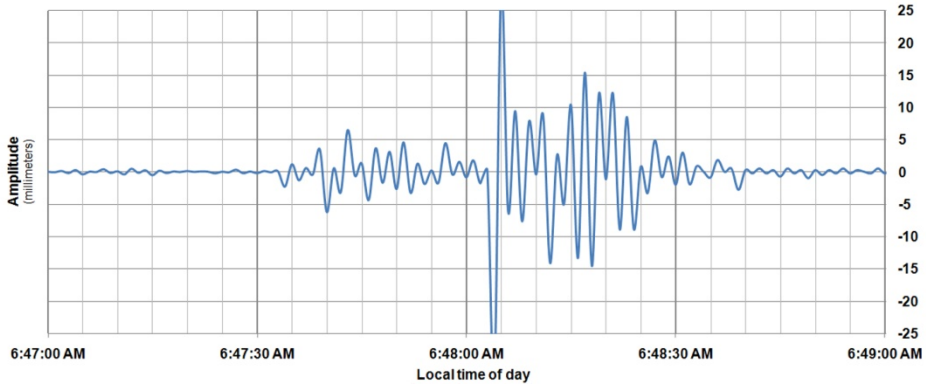
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #3 - Station C



Station C

Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Earthquake epicenter activity

Earthguide at Geosciences Research Division, Scripps Institution of Oceanography http://earthguide.ucsd.edu
This project produced with support from COSEE California.

Mystery Epicenter
Group #4

Name (s): _____

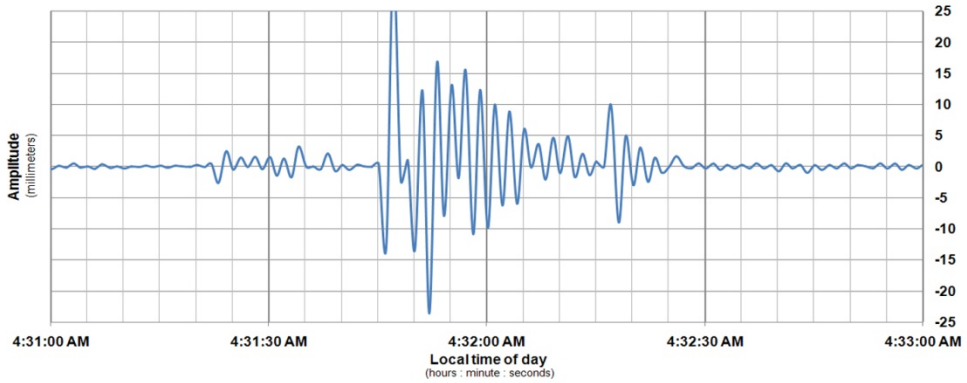
_____

_____

Date: _____

1. Mark the first arrival of the P-wave on each seismogram.
2. Mark the first arrival of the S-wave on each seismogram.
3. Write down your data in the box to the right of each seismogram.
4. Get the "distance from the epicenter" from the graph you made earlier using the "S-P lag time" that you recorded at your seismic station.

Seismogram - Group #4 - Station A



Station A

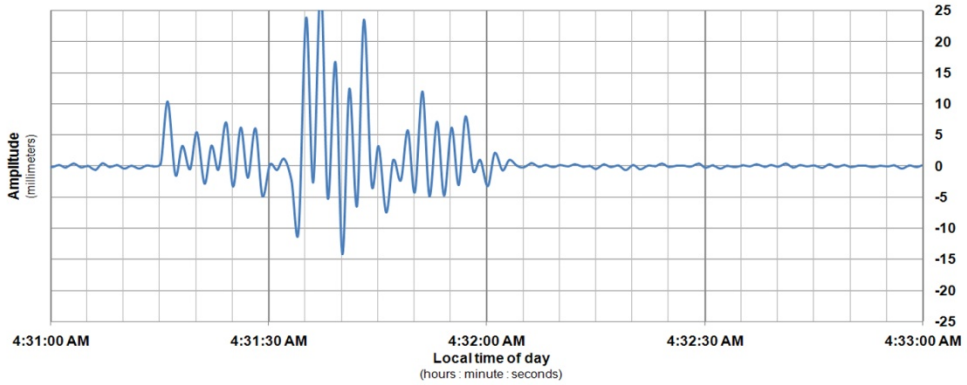
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #4 - Station B



Station B

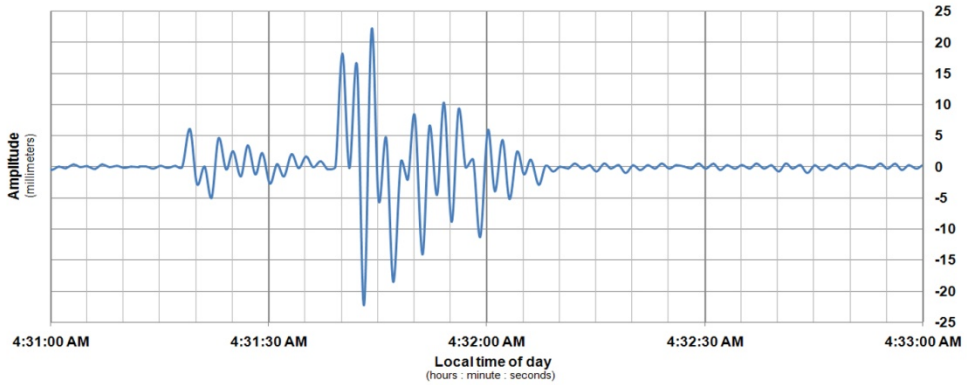
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #4 - Station C



Station C

Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Earthquake epicenter activity

Earthguide at Geosciences Research Division, Scripps Institution of Oceanography http://earthguide.ucsd.edu
This project produced with support from COSEE California.

Mystery Epicenter
Group #5

Name (s): _____

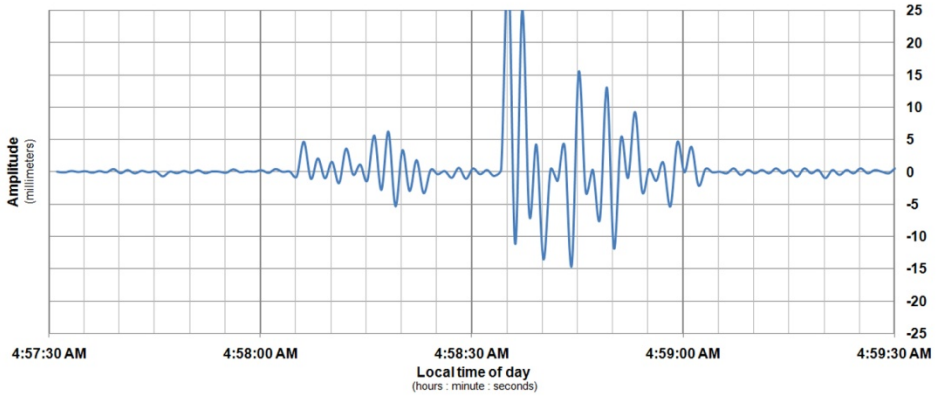
_____

_____

Date: _____

1. Mark the first arrival of the P-wave on each seismogram.
2. Mark the first arrival of the S-wave on each seismogram.
3. Write down your data in the box to the right of each seismogram.
4. Get the "distance from the epicenter" from the graph you made earlier using the "S-P lag time" that you recorded at your seismic station.

Seismogram - Group #5 - Station A



Station A

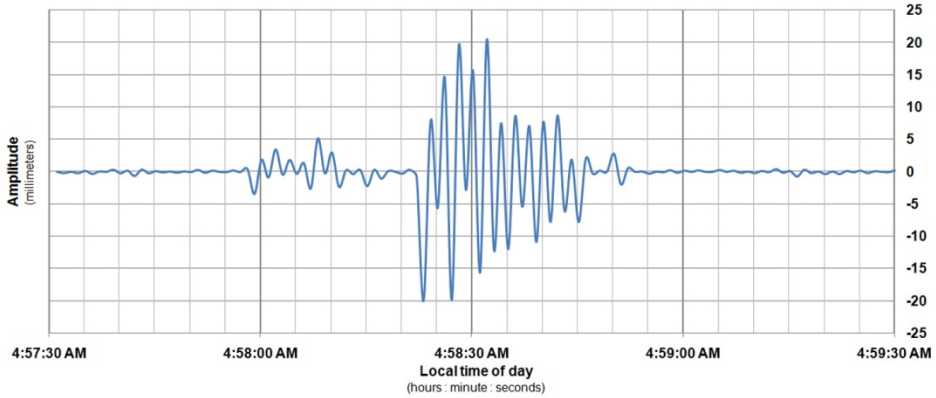
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #5 - Station B



Station B

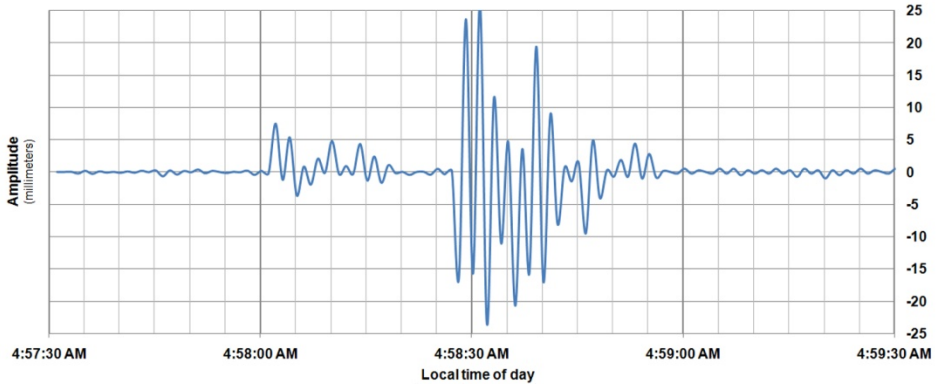
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #5 - Station C



Station C

Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Earthquake epicenter activity

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This project produced with support from COSEE California.

Mystery Epicenter
Group #6

Name (s): _____

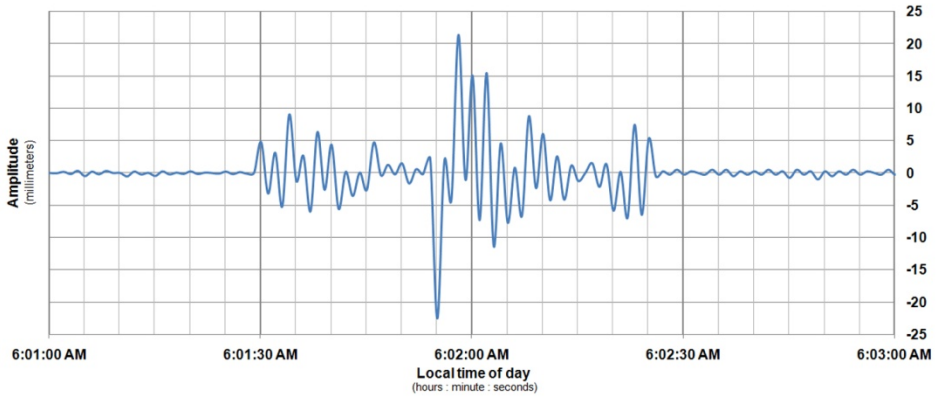
_____

_____

Date: _____

1. Mark the first arrival of the P-wave on each seismogram.
2. Mark the first arrival of the S-wave on each seismogram.
3. Write down your data in the box to the right of each seismogram.
4. Get the "distance from the epicenter" from the graph you made earlier using the "S-P lag time" that you recorded at your seismic station.

Seismogram - Group #6 - Station A



Station A

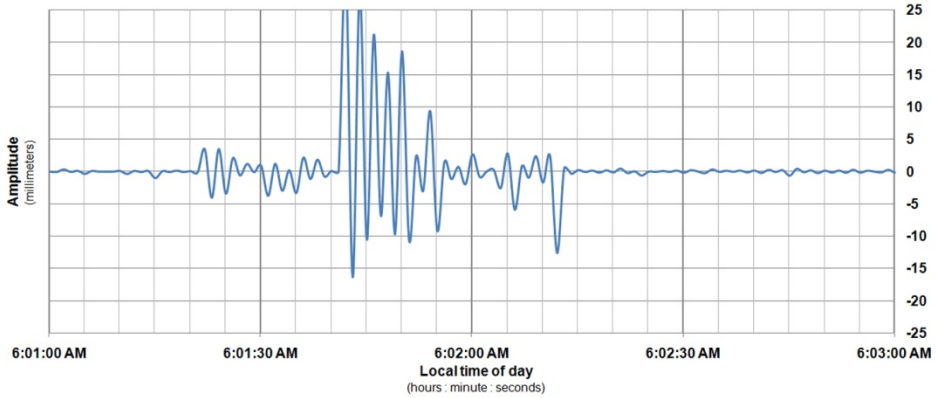
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #6 - Station B



Station B

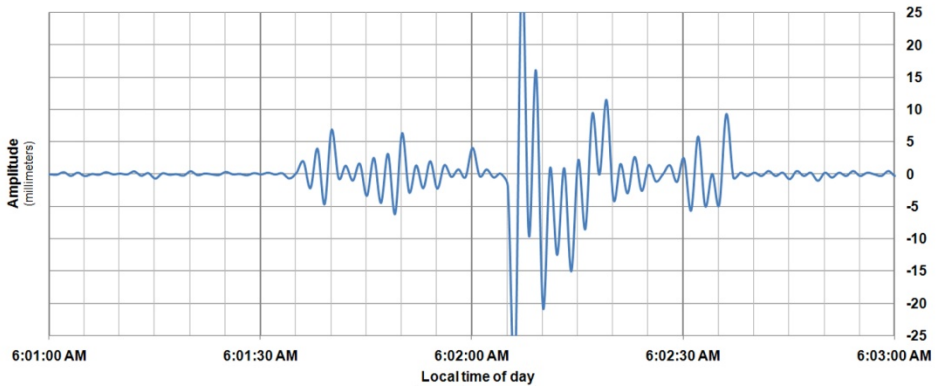
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #6 - Station C



Station C

Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Earthquake epicenter activity

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This project produced with support from COSEE California.

Mystery Epicenter
Group #7

Name (s): _____

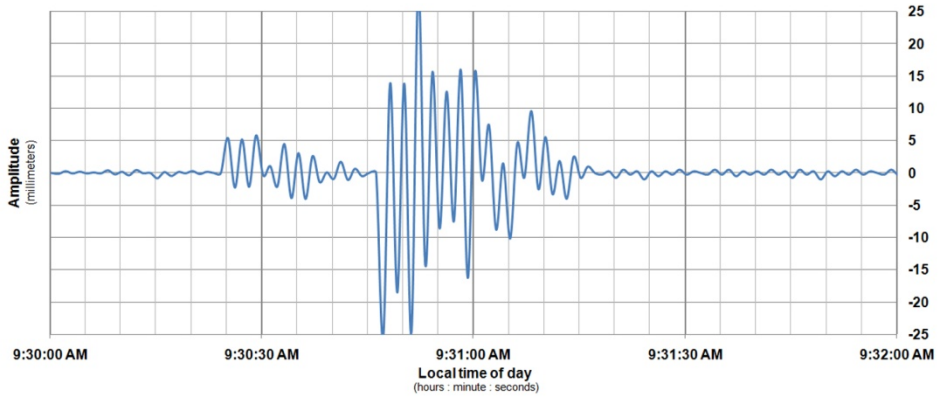
_____

_____

Date: _____

1. Mark the first arrival of the P-wave on each seismogram.
2. Mark the first arrival of the S-wave on each seismogram.
3. Write down your data in the box to the right of each seismogram.
4. Get the "distance from the epicenter" from the graph you made earlier using the "S-P lag time" that you recorded at your seismic station.

Seismogram - Group #7 - Station A



Station A

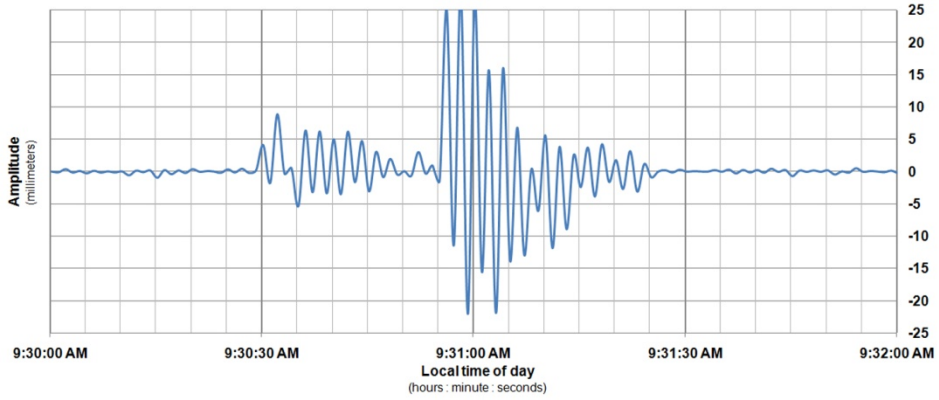
Arrival time
P-wave _____

Arrival time
S-wave _____

S-P
lag time (s) _____

Distance from
epicenter (km)
(kilometers) _____

Seismogram - Group #7 - Station B



Station B

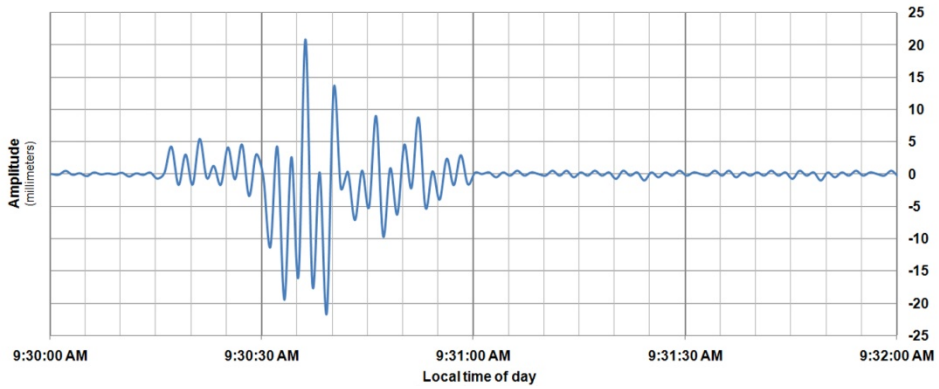
Arrival time
P-wave _____

Arrival time
S-wave _____

S-P
lag time (s) _____

Distance from
epicenter (km)
(kilometers) _____

Seismogram - Group #7 - Station C



Station C

Arrival time
P-wave _____

Arrival time
S-wave _____

S-P
lag time (s) _____

Distance from
epicenter (km)
(kilometers) _____

Earthquake epicenter activity

Earthguide at Geosciences Research Division, Scripps Institution of Oceanography http://earthguide.ucsd.edu
This project produced with support from COSEE California.

Mystery Epicenter
Group #8

Name (s): _____

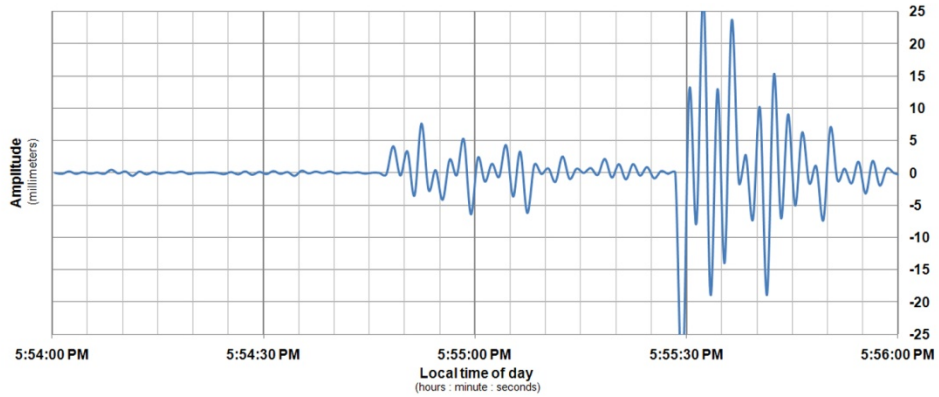
_____

_____

Date: _____

1. Mark the first arrival of the P-wave on each seismogram.
2. Mark the first arrival of the S-wave on each seismogram.
3. Write down your data in the box to the right of each seismogram.
4. Get the "distance from the epicenter" from the graph you made earlier using the "S-P lag time" that you recorded at your seismic station.

Seismogram - Group #8 - Station A



Station A

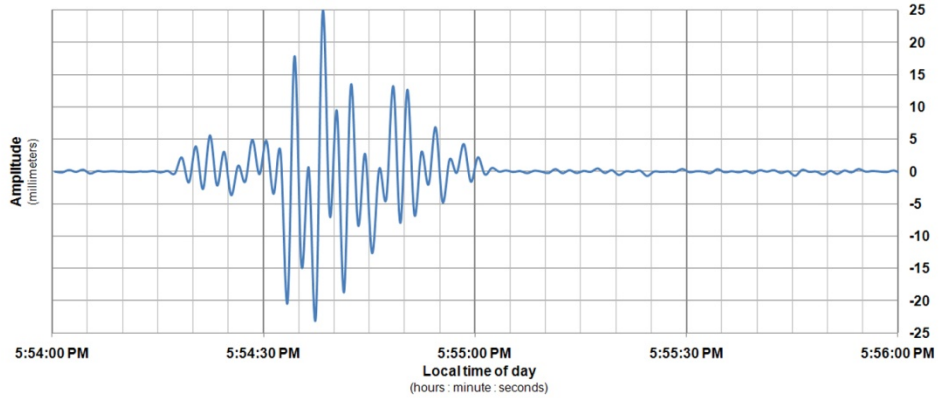
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #8 - Station B



Station B

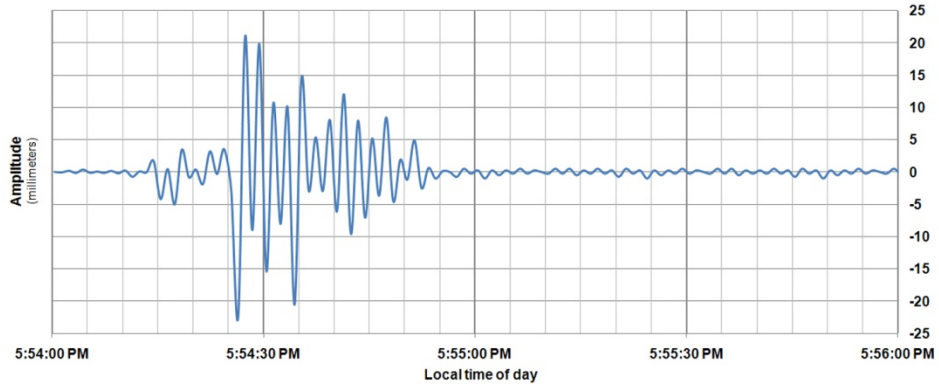
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #8 - Station C



Station C

Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Earthquake epicenter activity

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This project produced with support from COSEE California.

Mystery Epicenter
Group #9

Name (s): _____

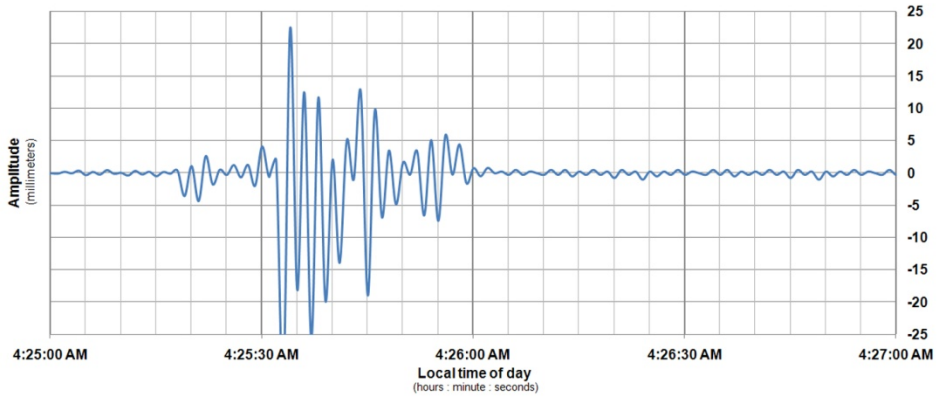
_____

_____

Date: _____

1. Mark the first arrival of the P-wave on each seismogram.
2. Mark the first arrival of the S-wave on each seismogram.
3. Write down your data in the box to the right of each seismogram.
4. Get the "distance from the epicenter" from the graph you made earlier using the "S-P lag time" that you recorded at your seismic station.

Seismogram - Group #9 - Station A



Station A

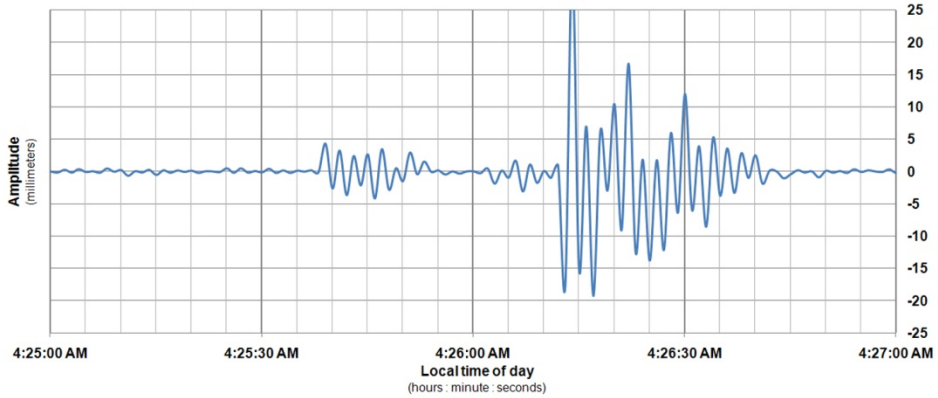
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #9 - Station B



Station B

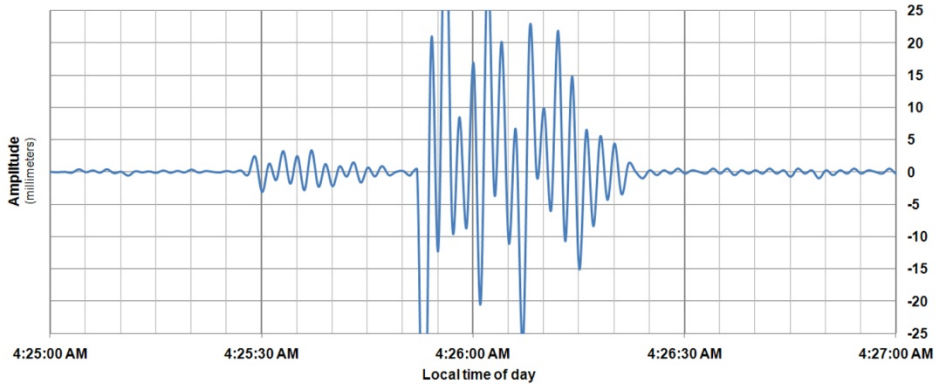
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #9 - Station C



Station C

Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Earthquake epicenter activity

Earthguide at Geosciences Research Division, Scripps Institution of Oceanography http://earthguide.ucsd.edu
This project produced with support from COSEE California.

Mystery Epicenter
Group #10

Name (s): _____

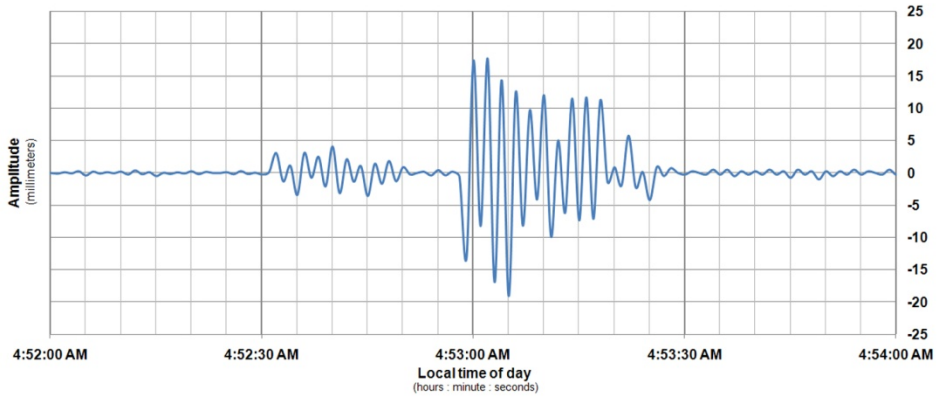
_____

_____

Date: _____

1. Mark the first arrival of the P-wave on each seismogram.
2. Mark the first arrival of the S-wave on each seismogram.
3. Write down your data in the box to the right of each seismogram.
4. Get the "distance from the epicenter" from the graph you made earlier using the "S-P lag time" that you recorded at your seismic station.

Seismogram - Group #10 - Station A



Station A

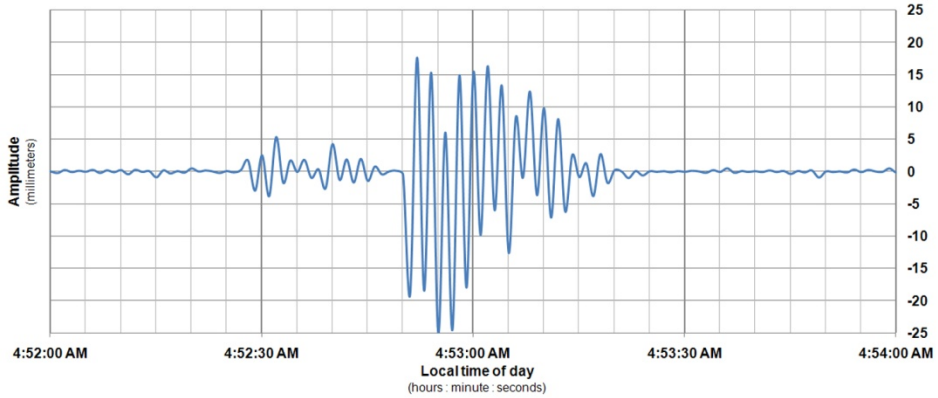
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #10 - Station B



Station B

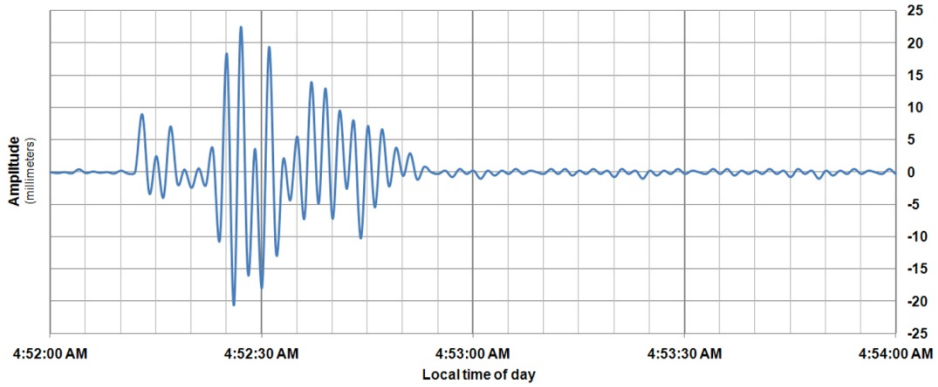
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #10 - Station C



Station C

Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Earthquake epicenter activity

Earthguide at Geosciences Research Division, Scripps Institution of Oceanography http://earthguide.ucsd.edu
This project produced with support from COSEE California.

Mystery Epicenter
Group #11

Name (s): _____

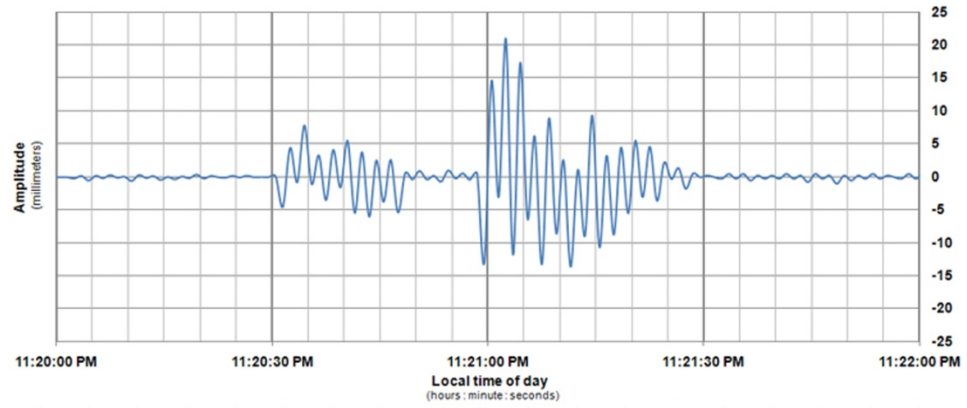
_____

_____

Date: _____

1. Mark the first arrival of the P-wave on each seismogram.
2. Mark the first arrival of the S-wave on each seismogram.
3. Write down your data in the box to the right of each seismogram.
4. Get the "distance from the epicenter" from the graph you made earlier using the "S-P lag time" that you recorded at your seismic station.

Seismogram - Group #11 - Station A



Station A

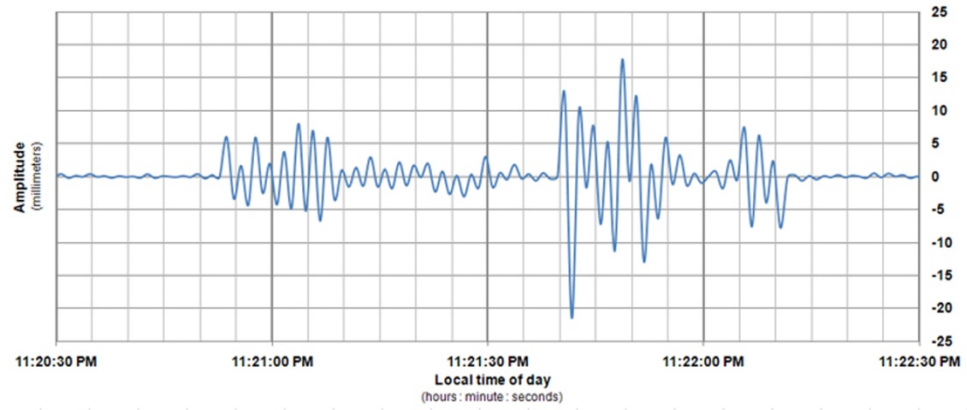
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #11 - Station B



Station B

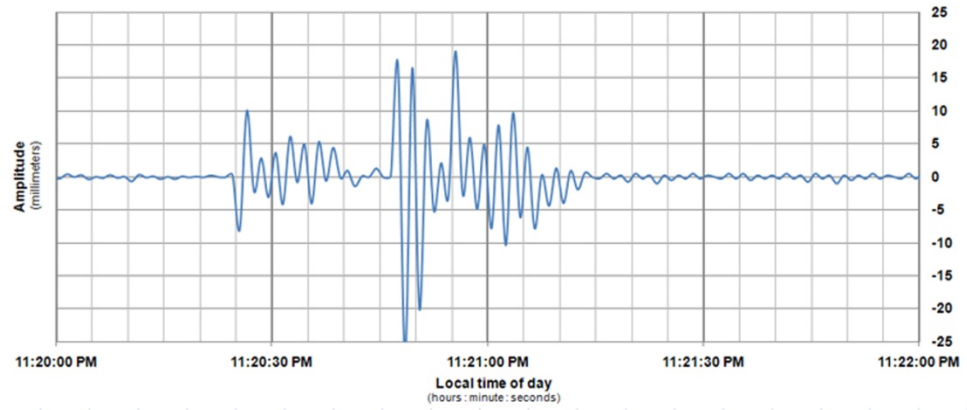
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #11 - Station C



Station C

Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

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This project produced with support from COSEE California
Updated: January 31, 2011.

Mystery Epicenter
Group #12

Name (s): _____

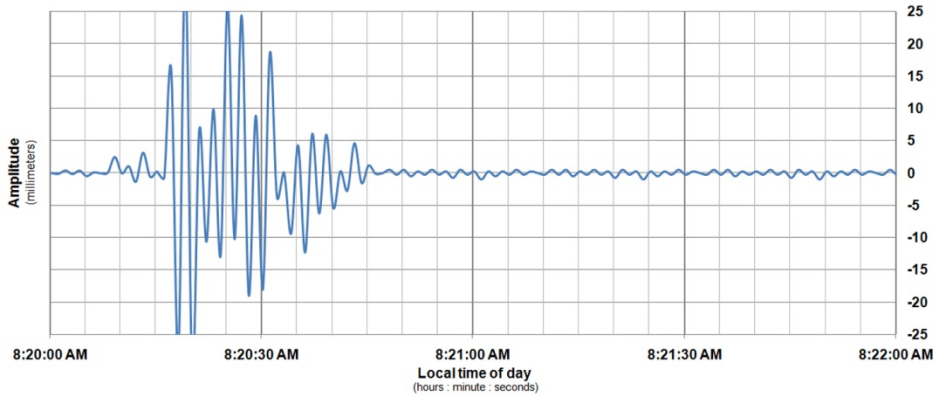
_____

_____

Date: _____

1. Mark the first arrival of the P-wave on each seismogram.
2. Mark the first arrival of the S-wave on each seismogram.
3. Write down your data in the box to the right of each seismogram.
4. Get the "distance from the epicenter" from the graph you made earlier using the "S-P lag time" that you recorded at your seismic station.

Seismogram - Group #12 - Station A



Station A

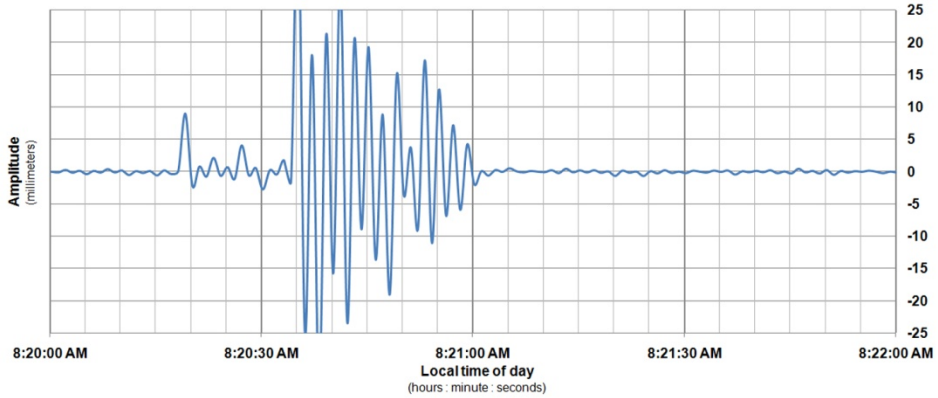
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #12- Station B



Station B

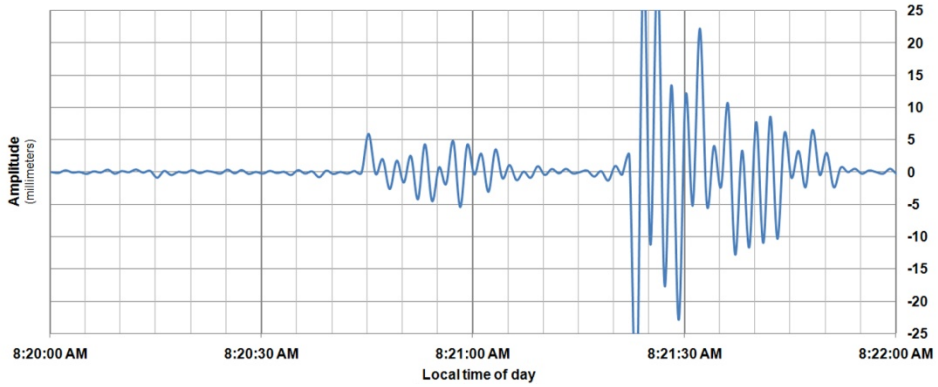
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #12 - Station C



Station C

Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Earthquake epicenter activity

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Mystery Epicenter
Group #13

Name (s): _____

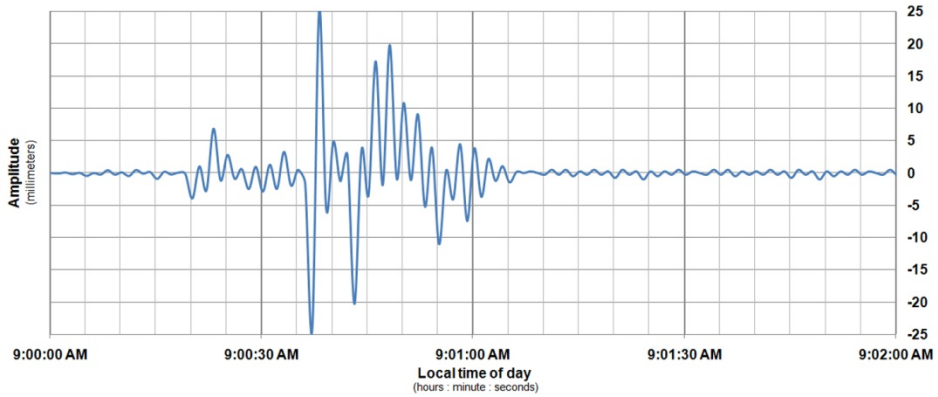
_____

_____

Date: _____

1. Mark the first arrival of the P-wave on each seismogram.
2. Mark the first arrival of the S-wave on each seismogram.
3. Write down your data in the box to the right of each seismogram.
4. Get the "distance from the epicenter" from the graph you made earlier using the "S-P lag time" that you recorded at your seismic station.

Seismogram - Group #13 - Station A



Station A

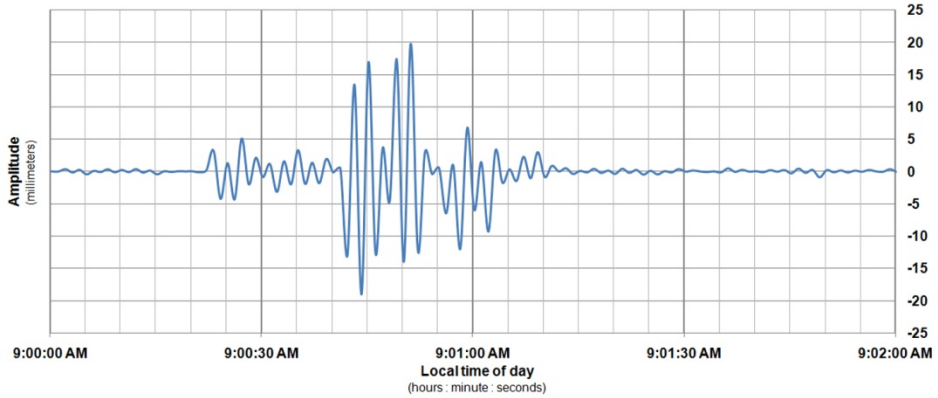
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #13 - Station B



Station B

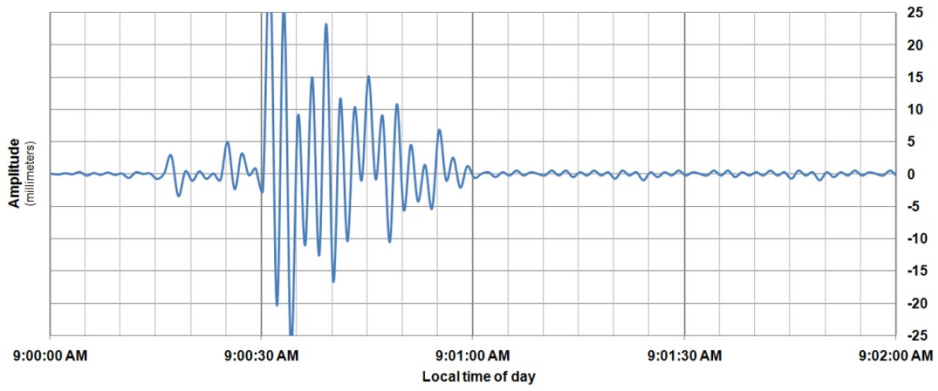
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #13 - Station C



Station C

Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Earthquake epicenter activity

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Mystery Epicenter
Group #14

Name (s): _____

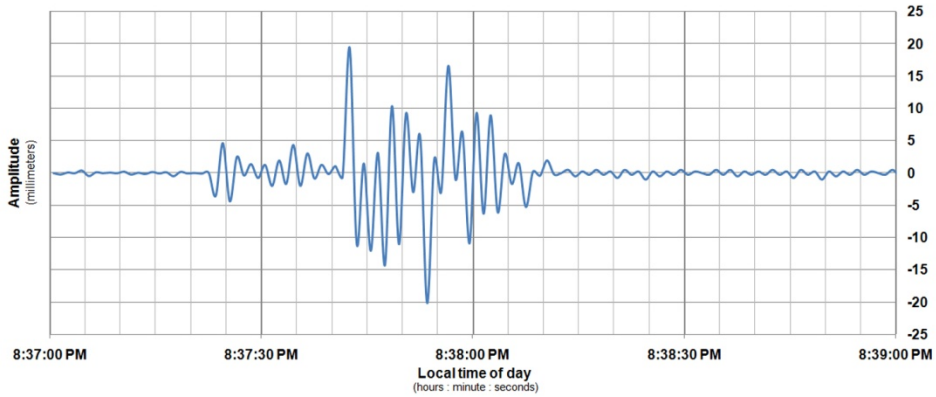
_____

_____

Date: _____

1. Mark the first arrival of the P-wave on each seismogram.
2. Mark the first arrival of the S-wave on each seismogram.
3. Write down your data in the box to the right of each seismogram.
4. Get the "distance from the epicenter" from the graph you made earlier using the "S-P lag time" that you recorded at your seismic station.

Seismogram - Group #14 - Station A



Station A

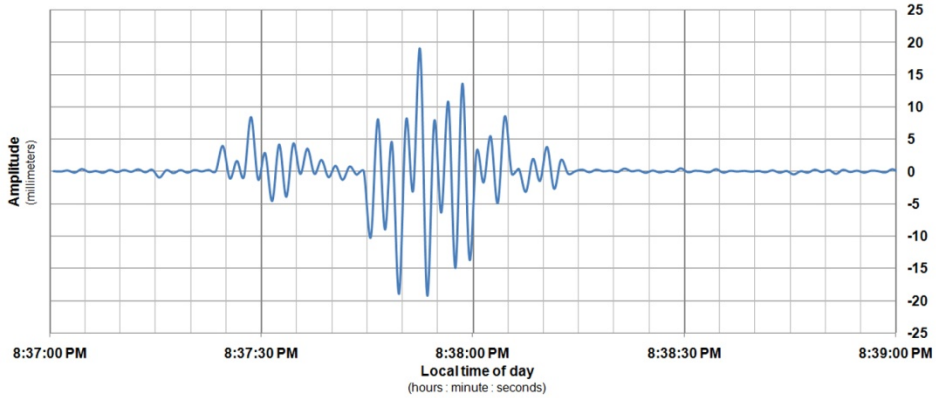
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #14 - Station B



Station B

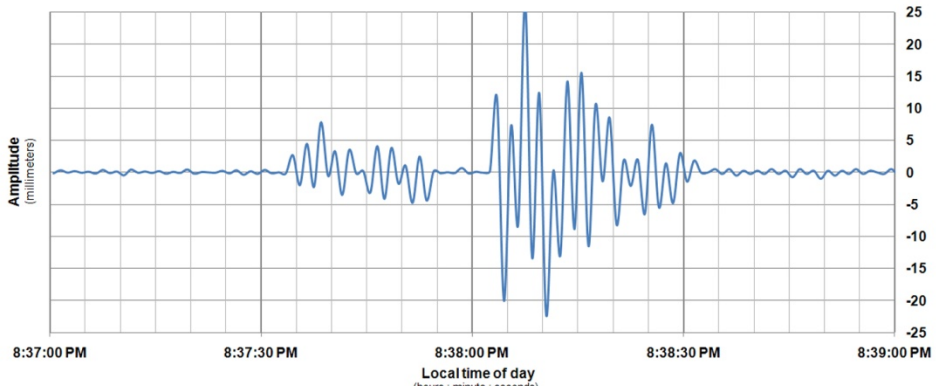
Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Seismogram - Group #14 - Station C



Station C

Arrival time P-wave _____

Arrival time S-wave _____

S-P lag time (s) _____

Distance from epicenter (km) (kilometers) _____

Earthquake epicenter activity

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