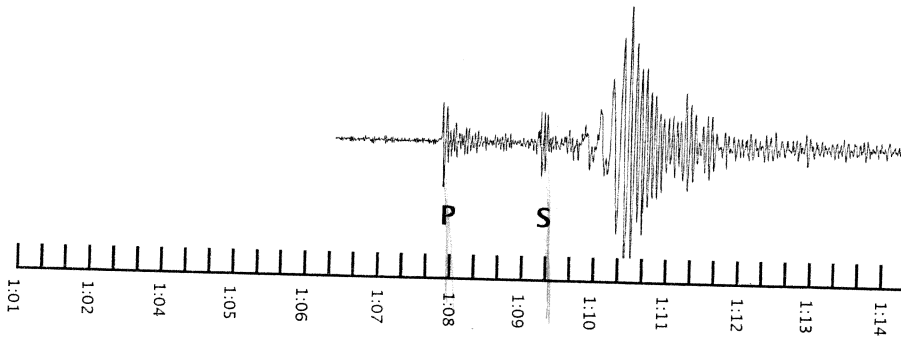


Epicerter Distance	P-Wave Travel Time <i>key</i>	S-Wave Travel Time
10,000 km	12:50	23:20
800 km	1:50	3:20
4,400 km	7:40	13:40
7,000 km	10:20	19:00

P-Wave Travel Time	Epicerter Distance
3 min 20 sec	1600
1 min 40 sec	700
15 min 20 sec	N/A
21 min	N/A

S-Wave Travel Time	Epicerter Distance
4 min	1000
2 min 40 sec	600
10 min	3000
23 min 20 sec	10,000

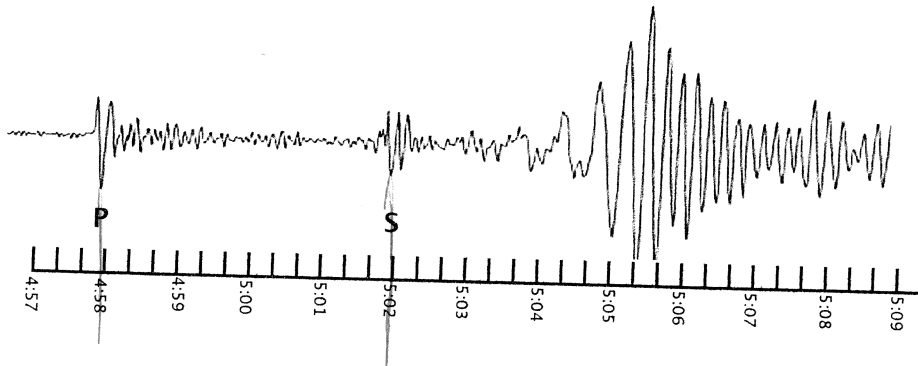
### Problem #3



P-Wave Arrival Time	S-Wave Arrival Time	Lag Time	Epicerter Distance	P-Wave Travel Time	S-Wave Travel Time	Origin Time (Time of Earthquake)
1:08:00	1:09:20	1:20	700	1:40	3:00	1:06:20

$$\begin{array}{r}
 1:08:00 \\
 -0:01:40 \\
 \hline
 1:06:20
 \end{array}$$

### Problem #4



P-Wave Arrival Time	S-Wave Arrival Time	Lag Time	Epicerter Distance	P-Wave Travel Time	S-Wave Travel Time	Origin Time (Time of Earthquake)
4:58:00	5:02:00	4:00	2600	5:00	9:00	4:53:00

$$\begin{array}{r}
 4:58:00 \\
 -0:05:00 \\
 \hline
 4:53:00
 \end{array}$$