

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Period: \_\_\_\_\_

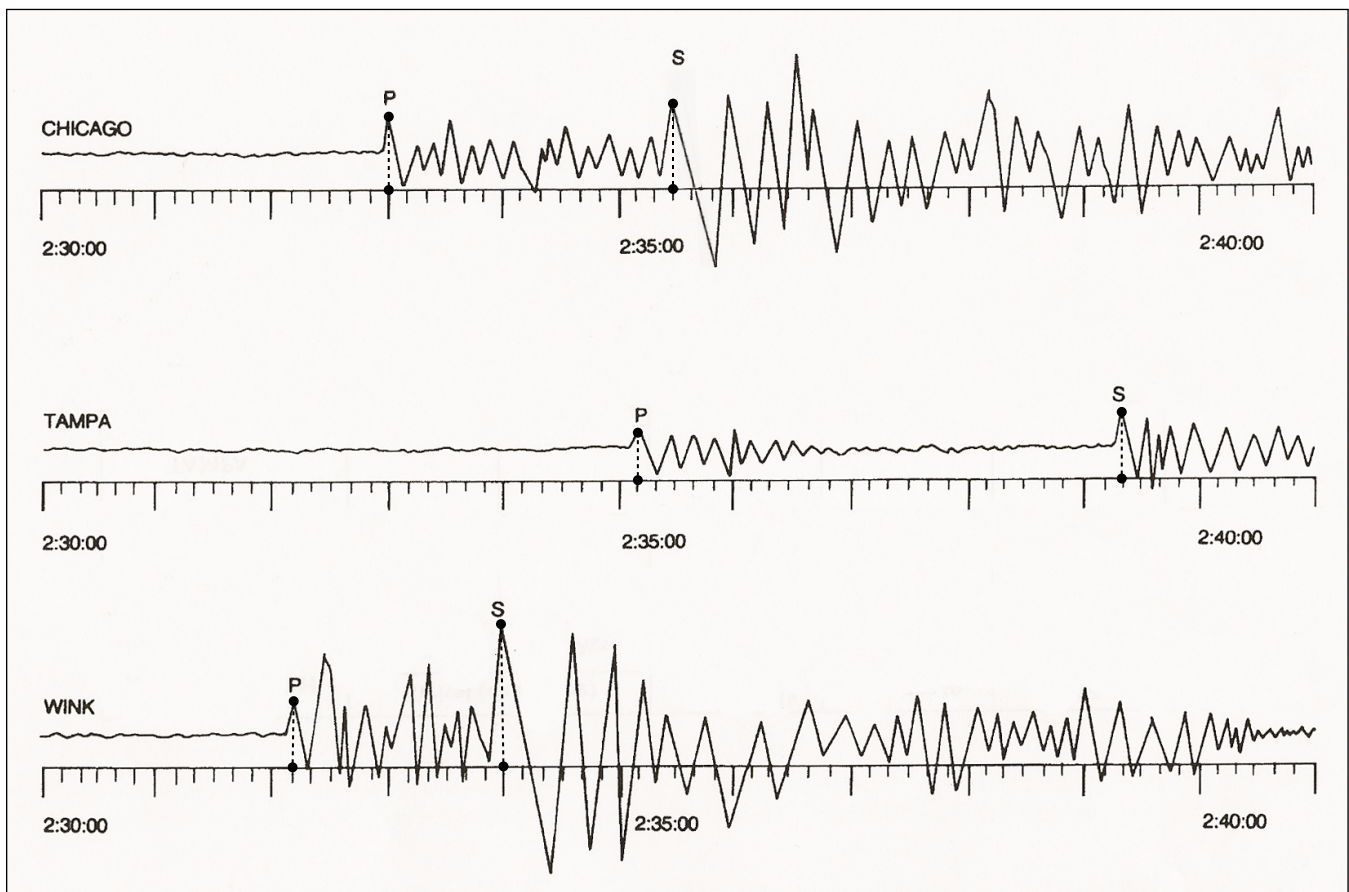
### Supplemental: Locating Epicenters II

#### DIRECTIONS

Use the three seismograms below to calculate the following for each city and fill it into the chart below:

1. The arrival time for the P and S wave.
2. Calculate the difference in the arrival time between P and S-waves.
3. Use your Earth Science Reference Tables to get the distance (km) to the epicenter from each city.
4. Locate the epicenter on the "Epicenter Map" by constructing a circle whose radius is equal to the "Distance to the City" for all three cities.
5. Where all three circles meet, draw an "X" to represent the epicenter's location.

#### SEISMOGRAMS



# Supplemental: Locating Epicenters II

CHART

Station	Arrival Time		Difference in Arrival Time	Distance to the Epicenter
	P-wave	S-wave		
Chicago				
Tampa				
Wink				

