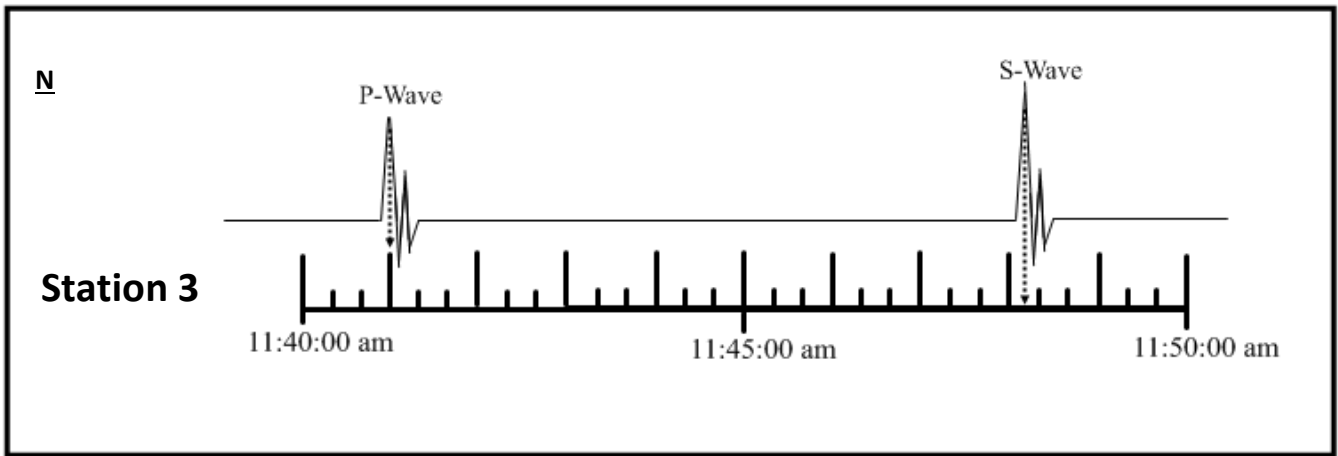


Earthquake Station

Directions:

1. Refer to the data table and use the difference in arrival times to determine the distance to the earthquake epicenter for Station 2.
2. Analyze the seismogram below and fill out the missing information for Station 3 in the data table.
3. Use a compass to draw circles on the map around Stations 2 and 3 according to the distance data.
4. Place an "X" at the position of the earthquake epicenter on the map.



Seismograph Station	Arrival Times		Difference in Arrival Times	Distance to Epicenter (km)
	P wave	S wave		
2	11:35:50 a.m.	11:37:55 a.m.	2 min 55 sec	
3			___ min ___ sec	

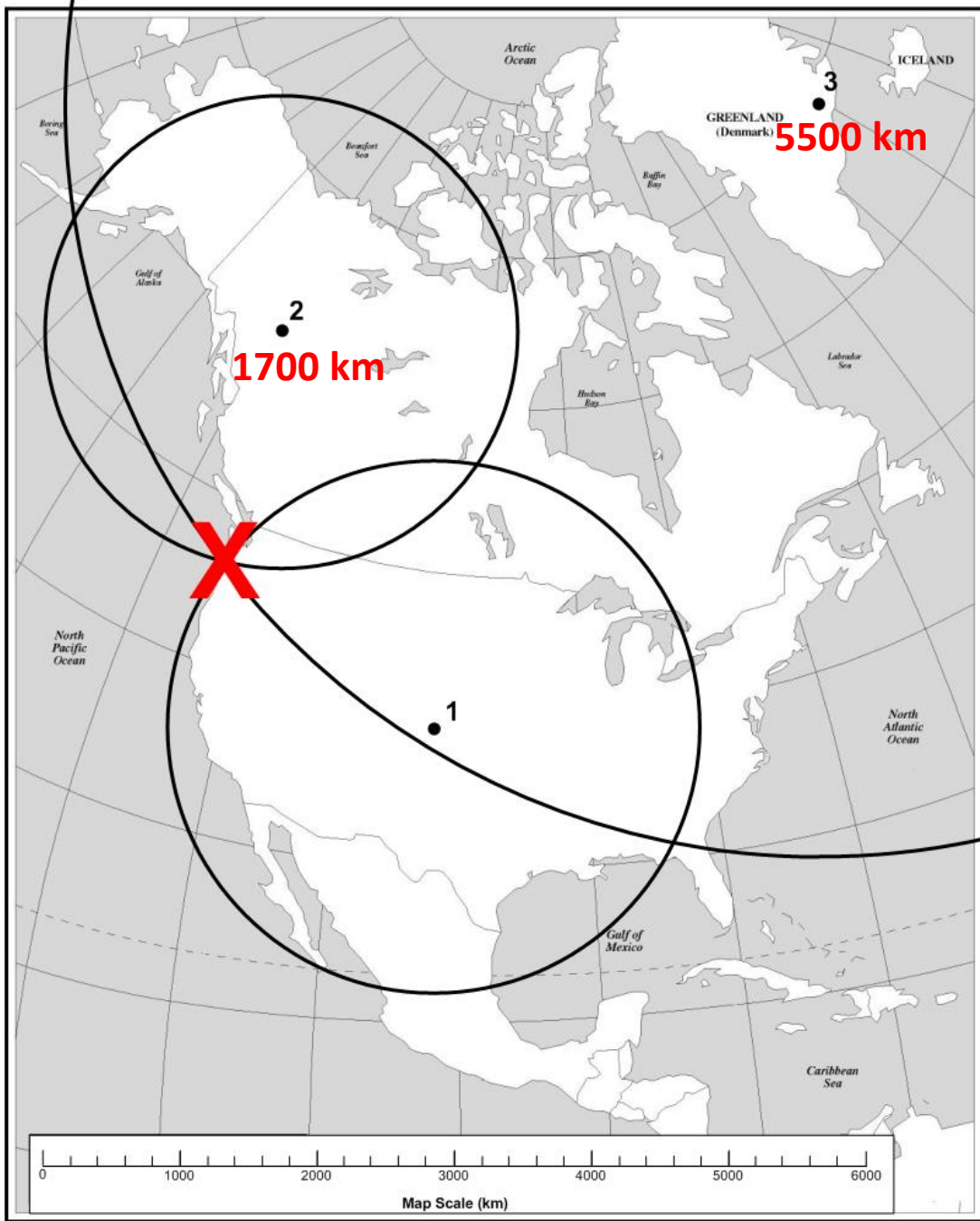
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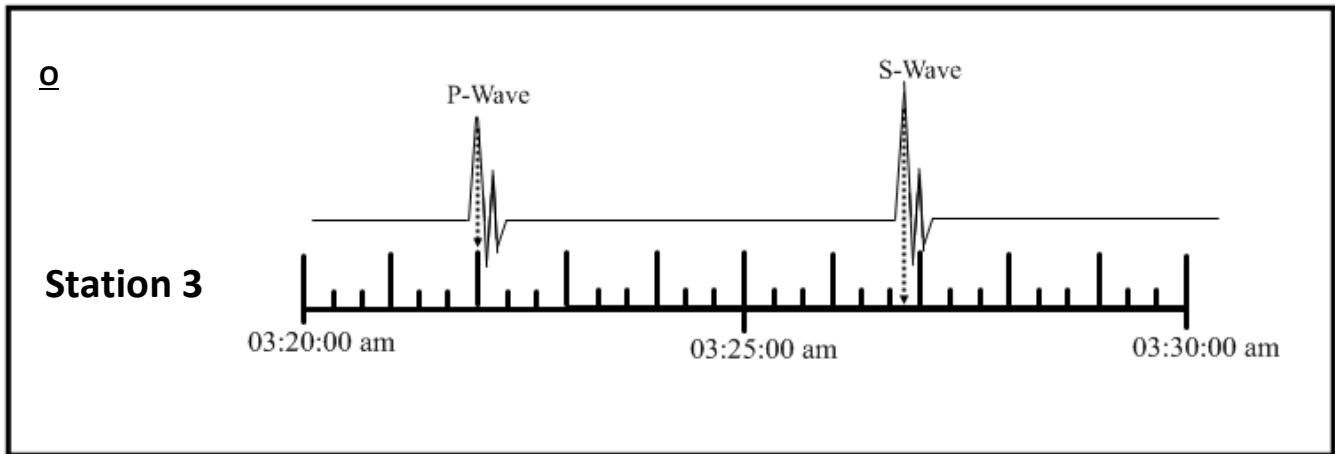
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Seismograph Station	Arrival Times		Difference in Arrival Times	Distance to Epicenter (km)
	P wave	S wave		
2	11:35:50 a.m.	11:37:55 a.m.	2 min 55 sec	1700 km
3	11:41:00 a.m.	11:48:10 a.m.	7 min 10 sec	5500 km

Earthquake Station

Directions:

1. Refer to the data table and use the difference in arrival times to determine the distance to the earthquake epicenter for Station 2.
2. Analyze the seismogram below and fill out the missing information for Station 3 in the data table.
3. Use a compass to draw circles on the map around Stations 2 and 3 according to the distance data.
4. Place an "X" at the position of the earthquake epicenter on the map.

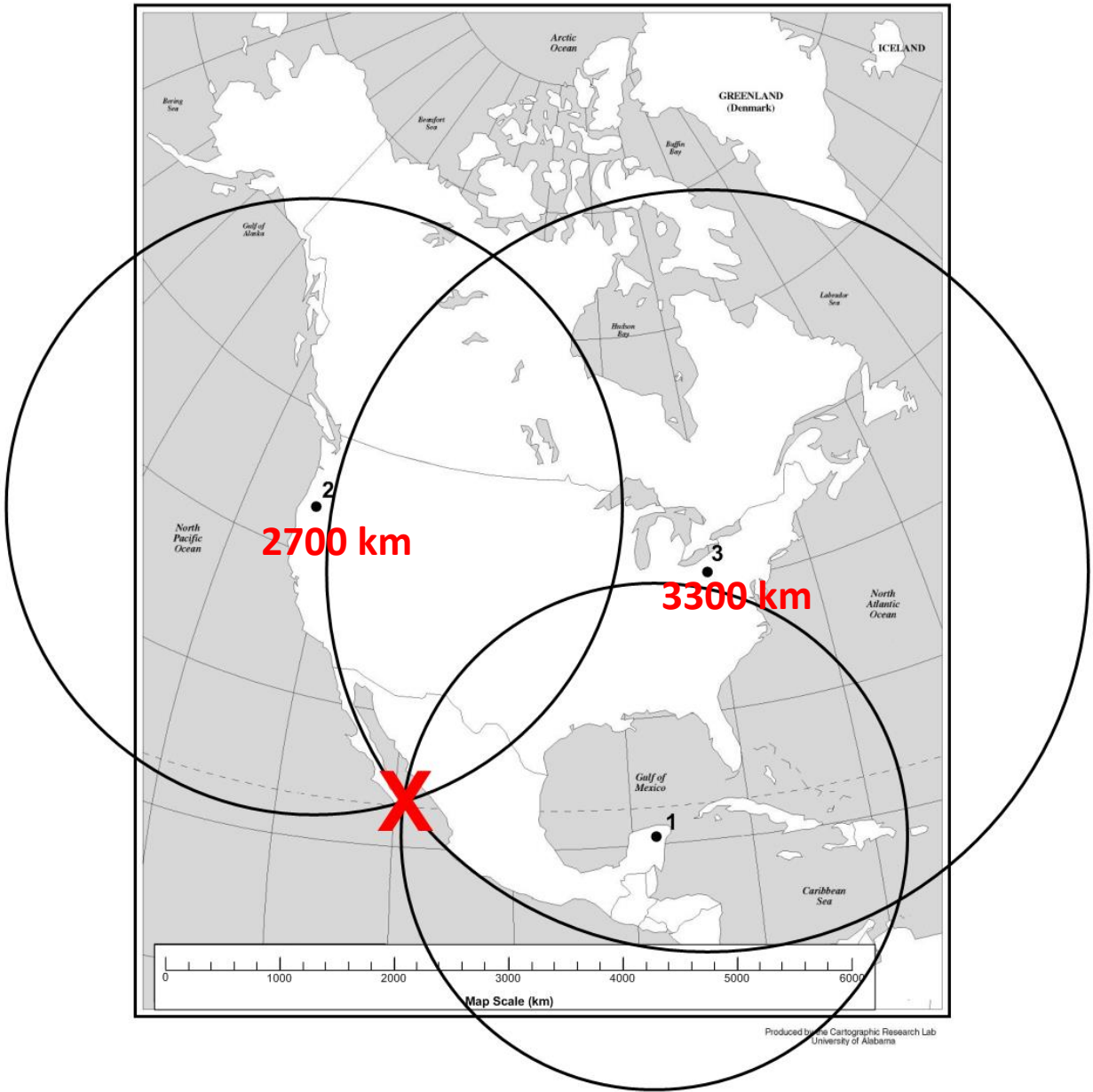


Seismograph Station	Arrival Times		Difference in Arrival Times	Distance to Epicenter (km)
	P wave	S wave		
2	03:21:00 a.m.	03:25:10 a.m.	4 min 10 sec	
3			___ min ___ sec	

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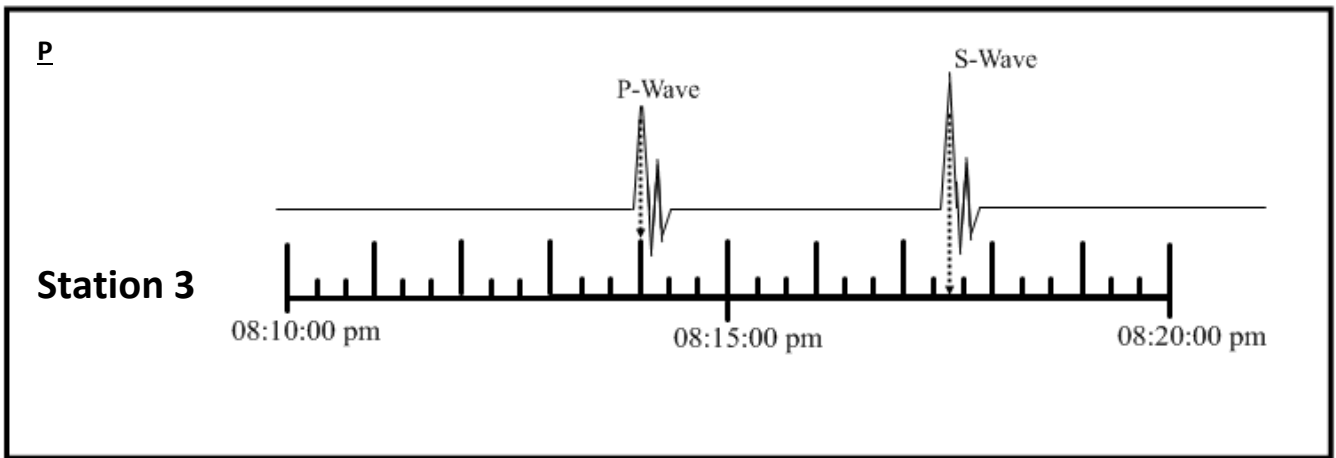


Seismograph Station	Arrival Times		Difference in Arrival Times	Distance to Epicenter (km)
	P wave	S wave		
2	03:21:00 a.m.	03:25:10 a.m.	4 min 10 sec	2700 km
3	03:22:00 a.m.	03:26:50 a.m.	4 min 50 sec	3300 km

Earthquake Station

Directions:

1. Refer to the data table and use the difference in arrival times to determine the distance to the earthquake epicenter for Station 2.
2. Analyze the seismogram below and fill out the missing information for Station 3 in the data table.
3. Use a compass to draw circles on the map around Stations 2 and 3 according to the distance data.
4. Place an "X" at the position of the earthquake epicenter on the map.

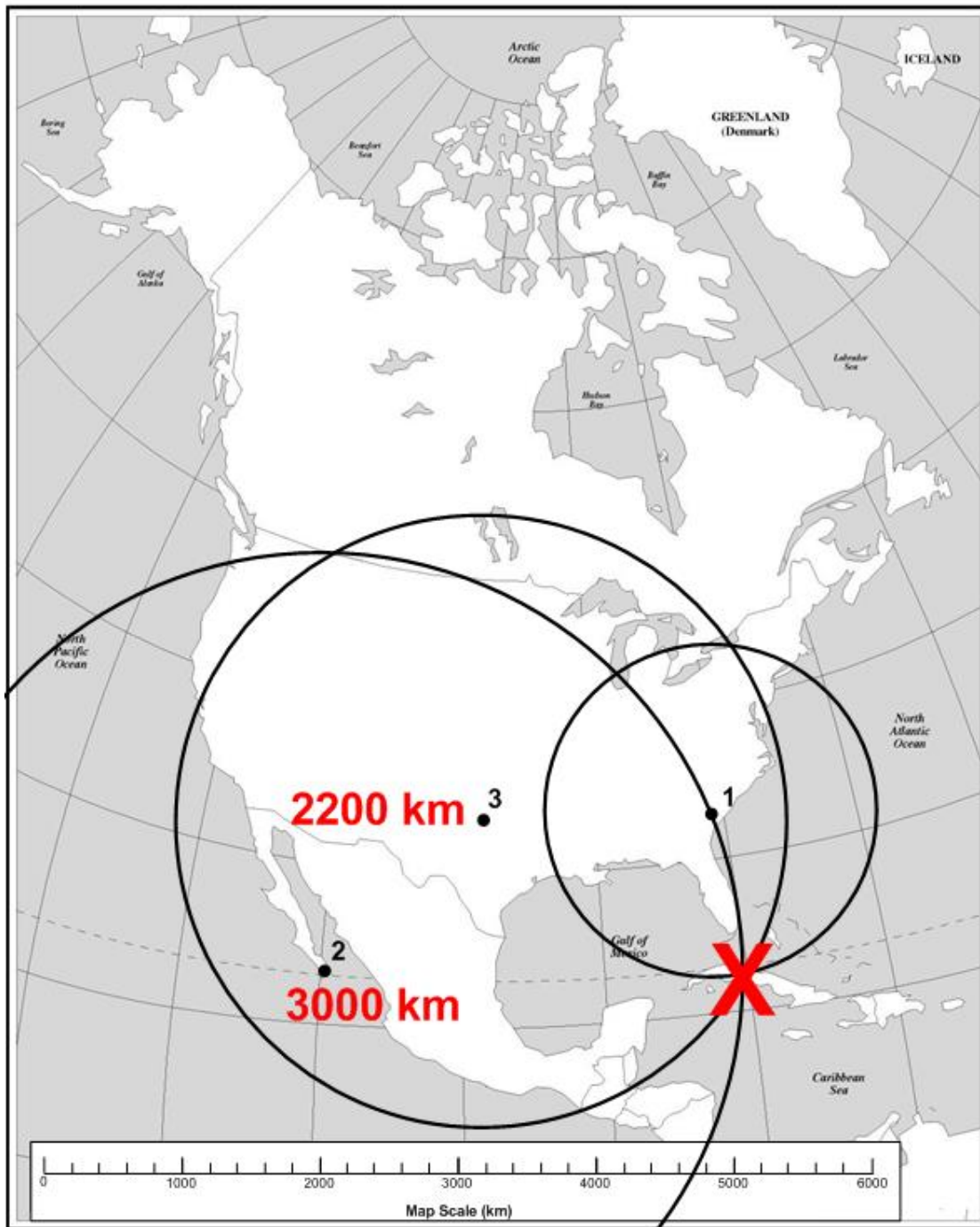


Seismograph Station	Arrival Times		Difference in Arrival Times	Distance to Epicenter (km)
	P wave	S wave		
2	08:15:35 p.m.	08:20:05 p.m.	4 min 30 sec	
3			___ min ___ sec	

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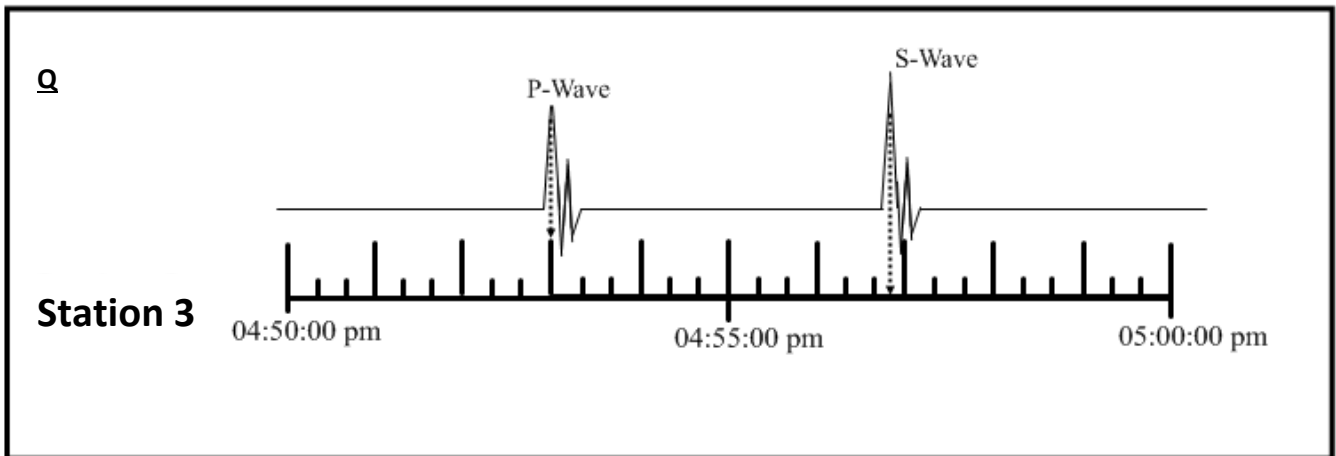


Seismograph Station	Arrival Times		Difference in Arrival Times	Distance to Epicenter (km)
	P wave	S wave		
2	08:15:35 p.m.	08:20:05 p.m.	4 min 30 sec	3000 km
3	08:14:00 p.m.	08:17:30 p.m.	3 min 30 sec	2200 km

Earthquake Station

Directions:

1. Refer to the data table and use the difference in arrival times to determine the distance to the earthquake epicenter for Station 2.
2. Analyze the seismogram below and fill out the missing information for Station 3 in the data table.
3. Use a compass to draw circles on the map around Stations 2 and 3 according to the distance data.
4. Place an "X" at the position of the earthquake epicenter on the map.

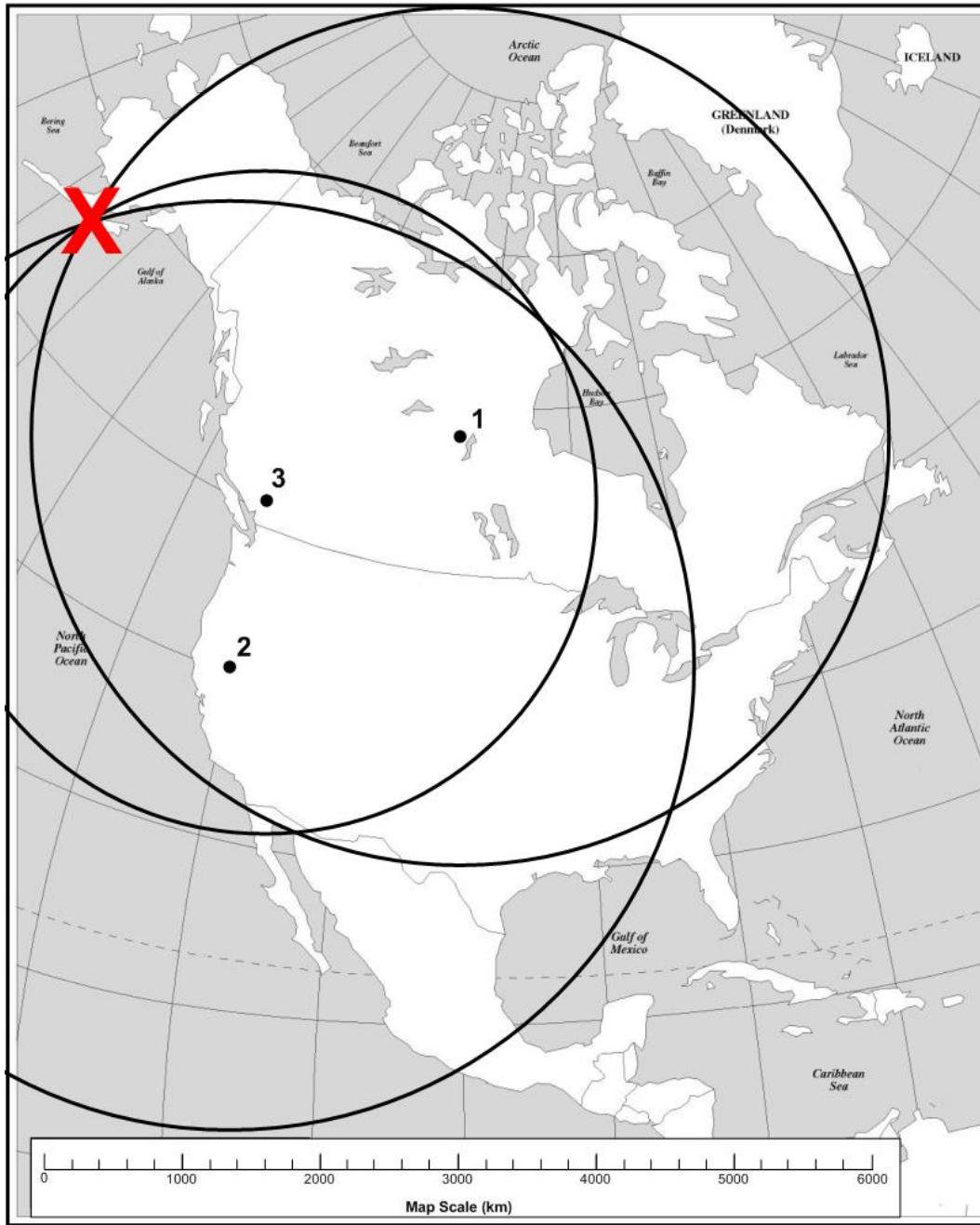


Seismograph Station	Arrival Times		Difference in Arrival Times	Distance to Epicenter (km)
	P wave	S wave		
2	04:54:30 p.m.	04:59:30 p.m.	5 min 00 sec	
3				

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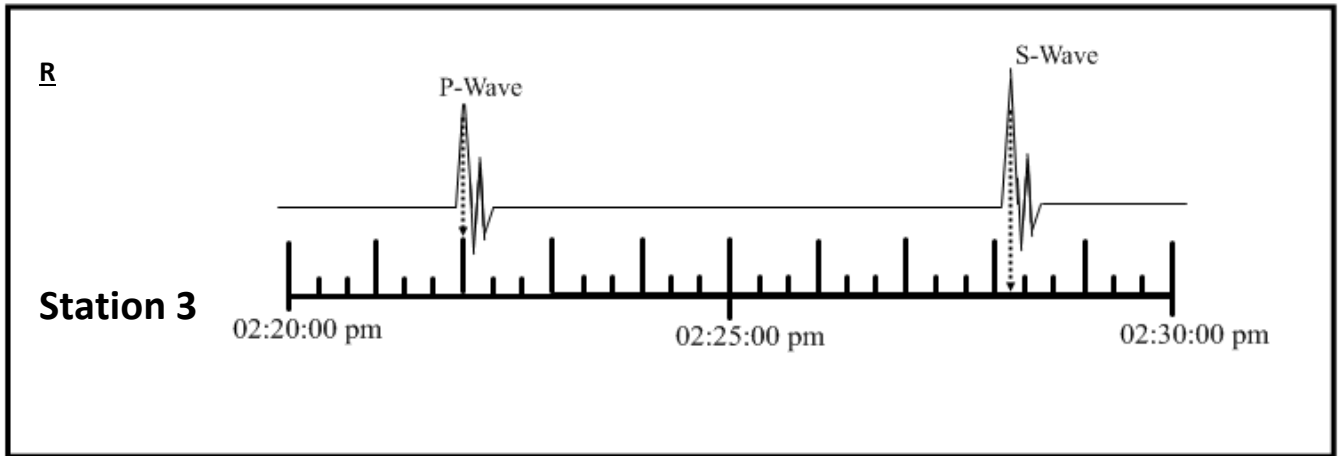
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Seismograph Station	Arrival Times		Difference in Arrival Times	Distance to Epicenter (km)
	P wave	S wave		
2	04:54:30 p.m.	04:59:30 p.m.	5 min 00 sec	3400 km
3	04:53:00 p.m.	04:56:50 p.m.	3 min 50 sec	2400 km

Earthquake Station

Directions:

1. Refer to the data table and use the difference in arrival times to determine the distance to the earthquake epicenter for Station 2.
2. Analyze the seismogram below and fill out the missing information for Station 3 in the data table.
3. Use a compass to draw circles on the map around Stations 2 and 3 according to the distance data.
4. Place an "X" at the position of the earthquake epicenter on the map.



Seismograph Station	Arrival Times		Difference in Arrival Times	Distance to Epicenter (km)
	P wave	S wave		
2	02:19:40 p.m.	02:24:00 p.m.	4 min 20 sec	
3			___ min ___ sec	

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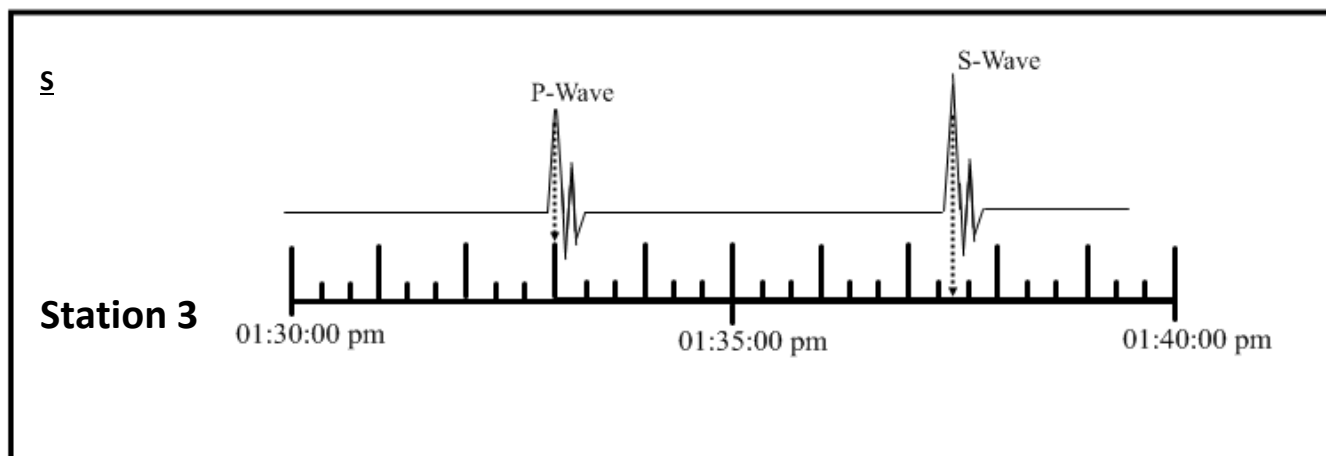
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Seismograph Station	Arrival Times		Difference in Arrival Times	Distance to Epicenter (km)
	P wave	S wave		
2	02:19:40 p.m.	02:24:00 p.m.	4 min 20 sec	2800 km
3	02:22:00 p.m.	02:28:10 p.m.	6 min 10 sec	4500 km

Earthquake Station

Directions:

1. Refer to the data table and use the difference in arrival times to determine the distance to the earthquake epicenter for Station 2.
2. Analyze the seismogram below and fill out the missing information for Station 3 in the data table.
3. Use a compass to draw circles on the map around Stations 2 and 3 according to the distance data.
4. Place an "X" at the position of the earthquake epicenter on the map.



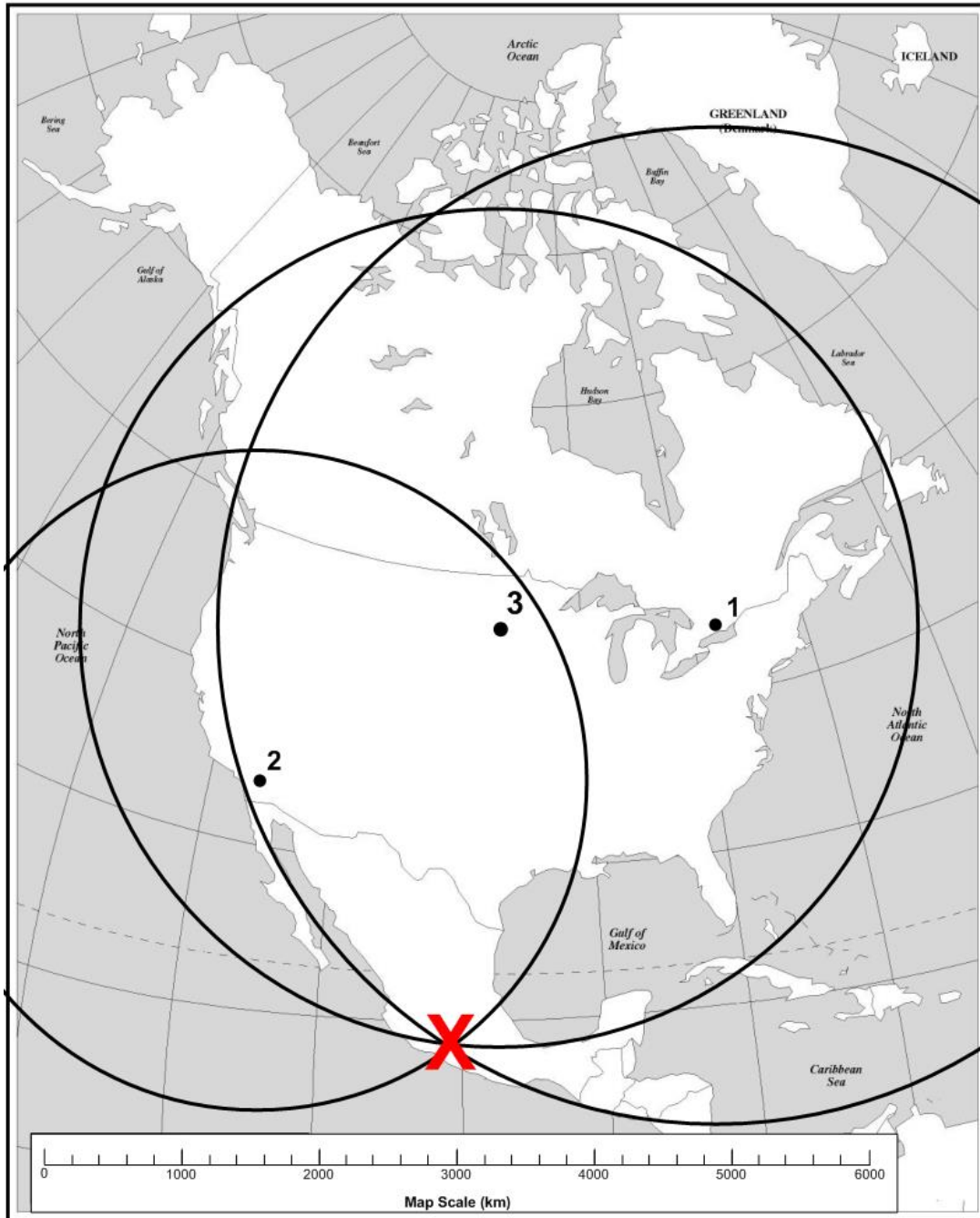
Seismograph Station	Arrival Times		Difference in Arrival Times	Distance to Epicenter (km)
	P wave	S wave		
2	01:32:00 p.m.	01:35:50 p.m.	3 min 50 sec	
3			___ min ___ sec	

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Seismograph Station	Arrival Times		Difference in Arrival Times	Distance to Epicenter (km)
	P wave	S wave		
2	01:32:00 p.m.	01:35:50 p.m.	3 min 50 sec	2400 km
3	01:33:00 p.m.	01:37:30 p.m.	4 min 30 sec	3000 km