Bandon Airport, Oregon GPS Station

Yearly Movement, 2008 - 2014

(Referenced to North America’s stable east)

The dots on this card show motion of the Bandon Airport GPS station since 2008. Because the station is anchored into hard rock beneath the soil, the dots represent the year-to-year movement of the Bandon region toward the northeast.

1. How far has the Bandon region moved since the year 2008? At what rate (inches per year) is the region moving? At that rate, how far has the region moved since the year 1700?

2. Why is the region moving towards the northeast?

3. The last big earthquake in the Pacific Northwest occurred in the year 1700. What will happen to the Bandon region when the next big earthquake occurs?