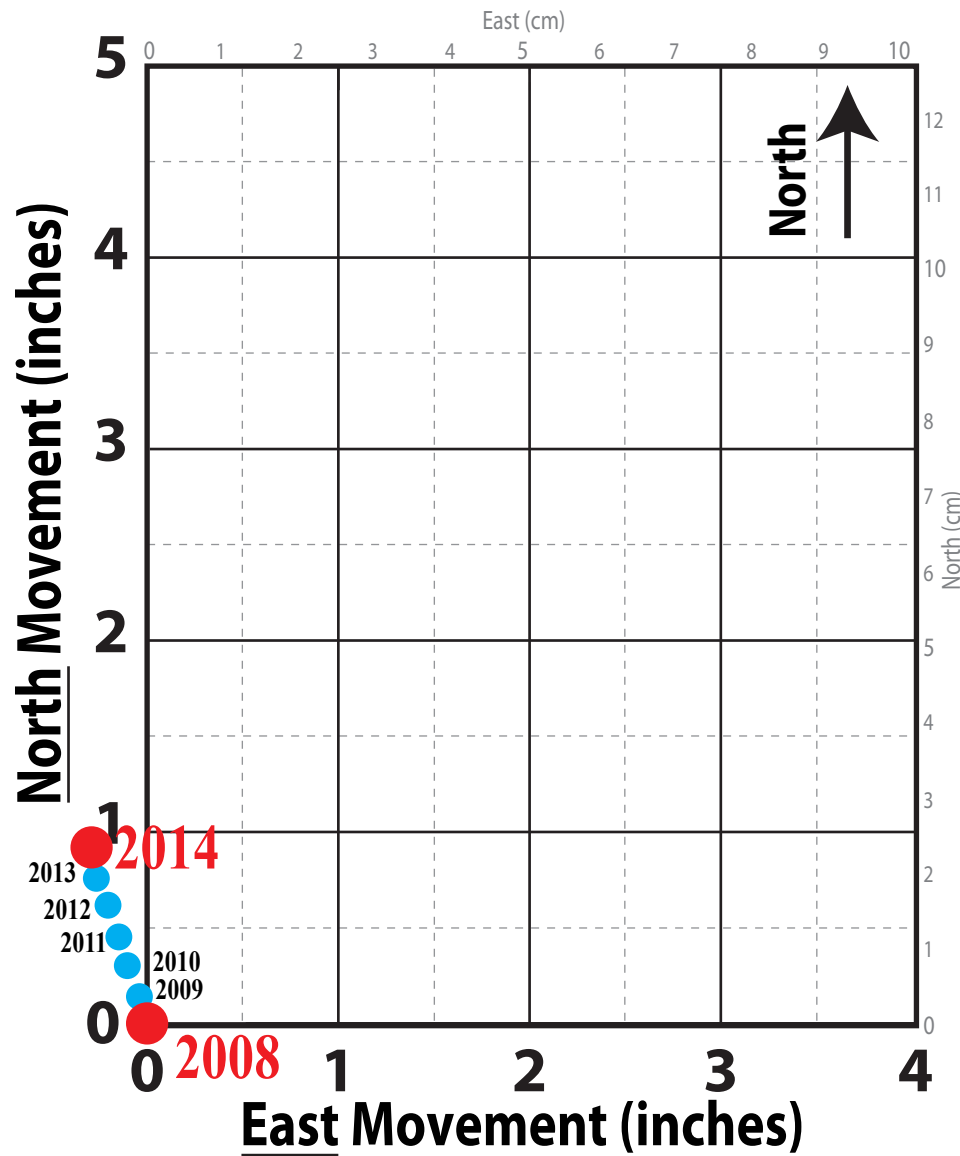


Silver Lake, Oregon GPS Station

Yearly Movement, 2008 - 2014

(Referenced to North America's stable east)



The dots on this card show motion of the Silver Lake, Oregon 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 Silver Lake region toward the northeast.

Orient this graph toward the north, tape it to the floor, and think about the questions below.

1. How far has the Silver Lake region moved since the year 2008?
2. At what rate (inches per year) is the region moving?

Cut Here

Station P062 from the EarthScope Plate Boundary Observatory (<http://pbo.unavco.org>). GPS time series data provided by UNAVCO (<http://www.unavco.org>). Data as of July 18, 2015. Position offset 0.05 inches east and -0.15 inches north from the NAM08 .cvs file to bring 2008 average to zero.

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