Station AC10 (https://www.unavco.org/instrumentation/networks/status/nota/photos/AC10)

Refer to the graphs on the next page to make the following calculations. Use a ruler or straight edge to help you read the graph correctly.

Duration of the record ____________ years

Find the changes in positions.
Remember: \( \text{Change} = \text{Final position} - \text{starting position} \) (so you could have negative answers)
Change in NORTH ______________ mm

Change in EAST ______________ mm

Determine the velocities: NORTH ______________ mm/yr

\[ \text{EAST} \quad \text{______________ mm/yr} \]

Use Pythagorean theorem to find total horizontal velocity ______________ mm/yr
\[ \text{horizontal velocity} = \sqrt{\text{north}^2 + \text{east}^2} \]

Finally draw all 3 velocity vectors (arrows) on the map to show your findings.
AC10 (CpSarichefAK2008) NAM08

Processed Daily Position Time Series - Cleaned (Outliers Removed)

Plot Adjustment: 5.6 mm

Plot Adjustment: 17.8 mm

Plot Adjustment: -12.0 mm

Source file: AC10.pbo.nam08.pos  Last epoch plotted: 2018-05-22 12:00:00

https://www.unavco.org/instrumentation/networks/status/nota/overview/AC10
Refer to the graphs on the next page to make the following calculations. Use a ruler or straight edge to help you read the graph correctly.

Duration of the record ______________ years

Find the changes in positions.  
Remember: Change = Final position - starting position (so you could have negative answers)
Change in NORTH ______________ mm

Change in EAST ______________ mm

Determine the velocities: NORTH ______________ mm/yr  
EAST ______________ mm/yr

Use Pythagorean theorem to find total horizontal velocity ______________ mm/yr  
\[ \text{horizontal velocity} = \sqrt{\text{north}^2 + \text{east}^2} \]

Finally draw all 3 velocity vectors (arrows) on the map to show your findings.
AV24 (WestdahINWAK2008) NAM08
Processed Daily Position Time Series - Cleaned (Outliers Removed)

Source file: AV24.pbo.nam08.pos  Last epoch plotted: 2018-05-22 12:00:00

https://www.unavco.org/instrumentation/networks/status/nota/overview/AV24

Refer to the graphs on the next page to make the following calculations. Use a ruler or straight edge to help you read the graph correctly.

Duration of the record _____________ years

Find the changes in positions.
Remember: Change = Final position - starting position (so you could have negative answers)
Change in NORTH _____________ mm

Change in EAST _____________ mm

Determine the velocities: NORTH _______________ mm/yr

EAST _______________ mm/yr

Use Pythagorean theorem to find total horizontal velocity _______________ mm/yr

\[ \text{horizontal velocity} = \sqrt{\text{north}^2 + \text{east}^2} \]

Finally draw all 3 velocity vectors (arrows) on the map to show your findings.
AV25 (WestdahlIW_AK2007) NAM08
Processed Daily Position Time Series - Cleaned (Outliers Removed)

Source file: AV25.pbo.nam08.pos  Last epoch plotted: 2018-05-22 12:00:00

https://www.unavco.org/instrumentation/networks/status/nota/overview/AV25
Station AV26 (https://www.unavco.org/instrumentation/networks/status/nota/photos/AV26)

Refer to the graphs on the next page to make the following calculations. Use a ruler or straight edge to help you read the graph correctly.

Duration of the record _____________ years

Find the changes in positions.
Remember: Change = Final position - starting position (so you could have negative answers)
Change in NORTH _____________ mm

Change in EAST _____________ mm

Determine the velocities: NORTH _____________ mm/yr

EAST _____________ mm/yr

Use Pythagorean theorem to find total horizontal velocity _____________ mm/yr

\[
horizontal \ velocity = \sqrt{north^2 + east^2}
\]

Finally draw all 3 velocity vectors (arrows) on the map to show your findings.
Station AV27 (https://www.unavco.org/instrumentation/networks/status/nota/photos/AV27)

Refer to the graphs on the next page to make the following calculations. Use a ruler or straight edge to help you read the graph correctly.

Duration of the record _______________ years

Find the changes in positions.
Remember: \( \text{Change} = \text{Final position} - \text{starting position} \) (so you could have negative answers)
Change in NORTH _______________ mm

Change in EAST _______________ mm

Determine the velocities: NORTH _______________ mm/yr

EAST _______________ mm/yr

Use Pythagorean theorem to find total horizontal velocity _______________ mm/yr

\[
\text{horizontal velocity} = \sqrt{\text{north}^2 + \text{east}^2}
\]

Finally draw all 3 velocity vectors (arrows) on the map to show your findings.
Station AV29 (https://www.unavco.org/instrumentation/networks/status/nota/photos/AV29)

Refer to the graphs on the next page to make the following calculations. Use a ruler or straight edge to help you read the graph correctly.

Duration of the record ____________ years

Find the changes in positions.
Remember: Change = Final position - starting position (so you could have negative answers)
Change in NORTH ______________ mm

Change in EAST ______________ mm

Determine the velocities: NORTH ______________ mm/yr

EAST ______________ mm/yr

Use Pythagorean theorem to find total horizontal velocity ______________ mm/yr

\[ \text{horizontal velocity} = \sqrt{\text{north}^2 + \text{east}^2} \]

Finally draw all 3 velocity vectors (arrows) on the map to show your findings.