



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: *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

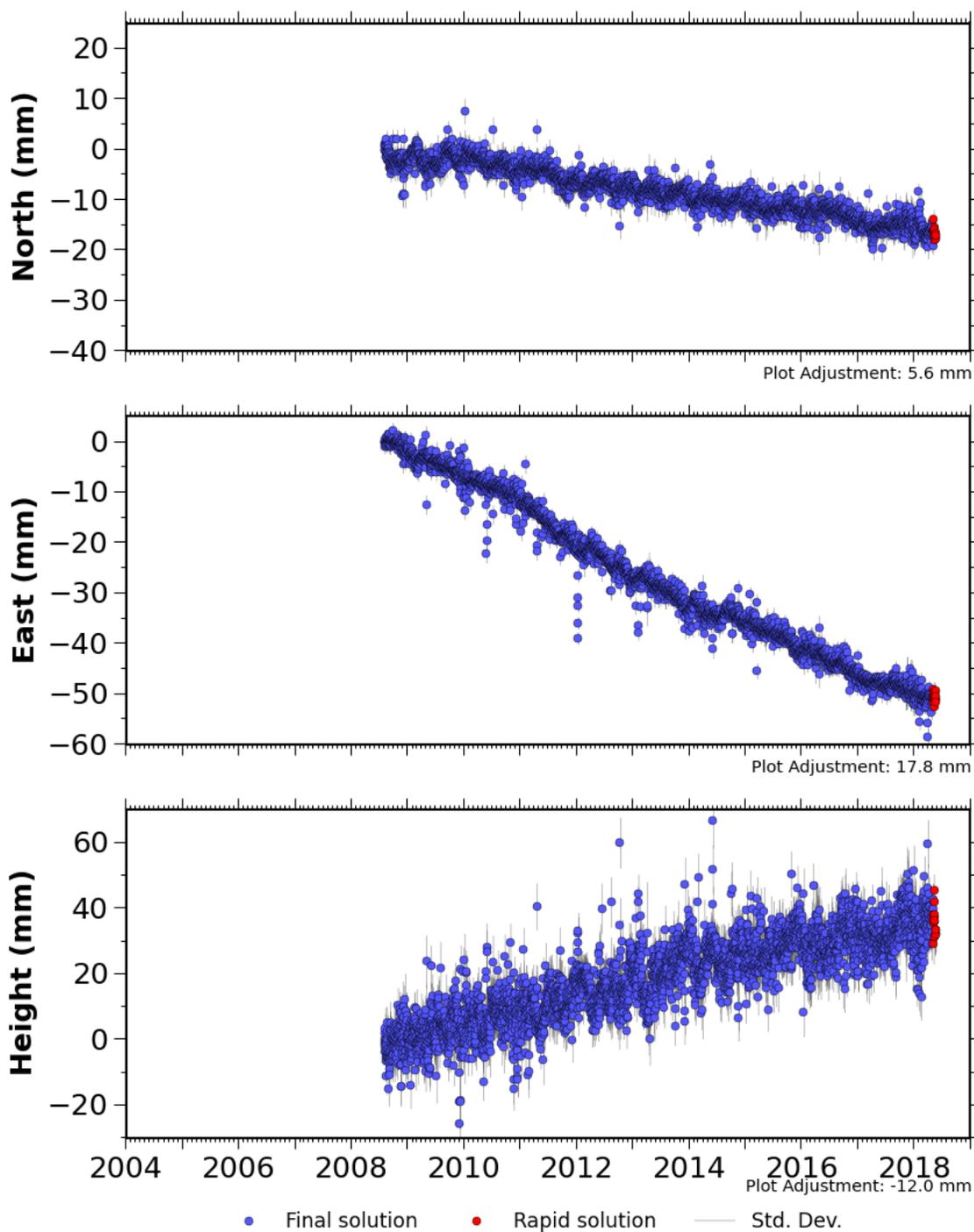
Use Pythagorean theorem to find total horizontal velocity \_\_\_\_\_ mm/yr

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

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

# AC10 (CpSarichefAK2008) NAM08

Processed Daily Position Time Series - Cleaned (Outliers Removed)



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



Station AV24 (<https://www.unavco.org/instrumentation/networks/status/nota/photos/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

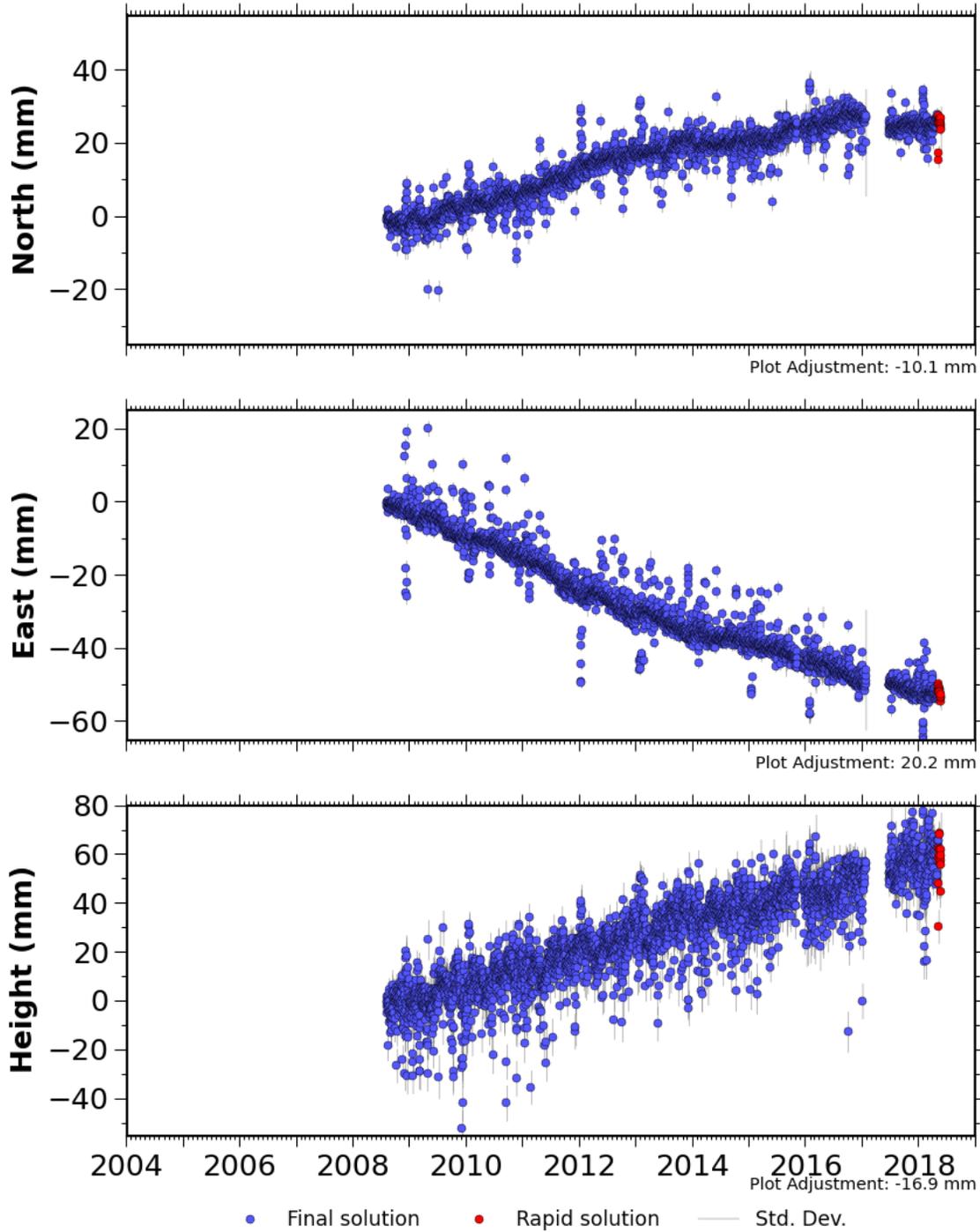
Use Pythagorean theorem to find total horizontal velocity \_\_\_\_\_ mm/yr

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

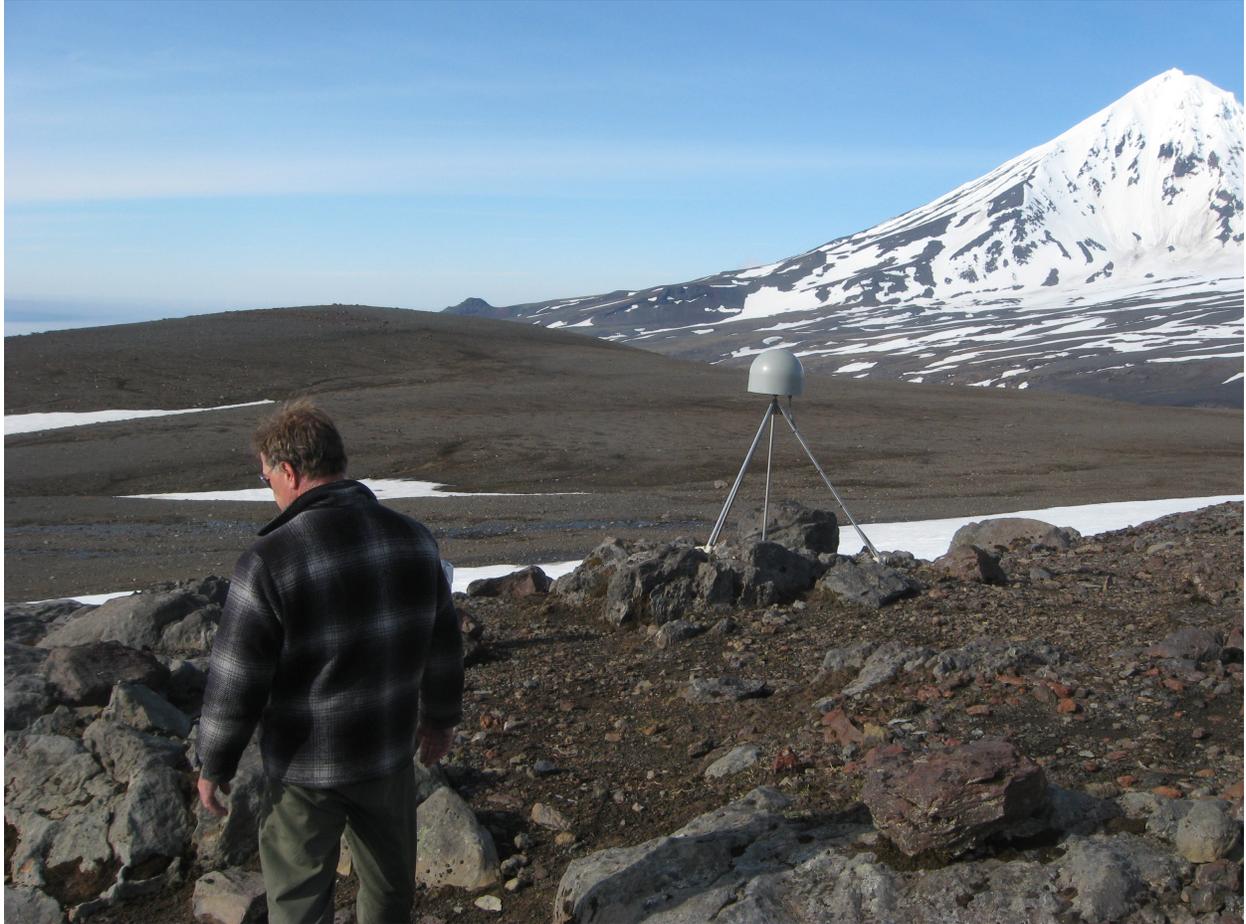
Finally draw all 3 velocity vectors (arrows) on the map to show your findings.

# 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



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

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

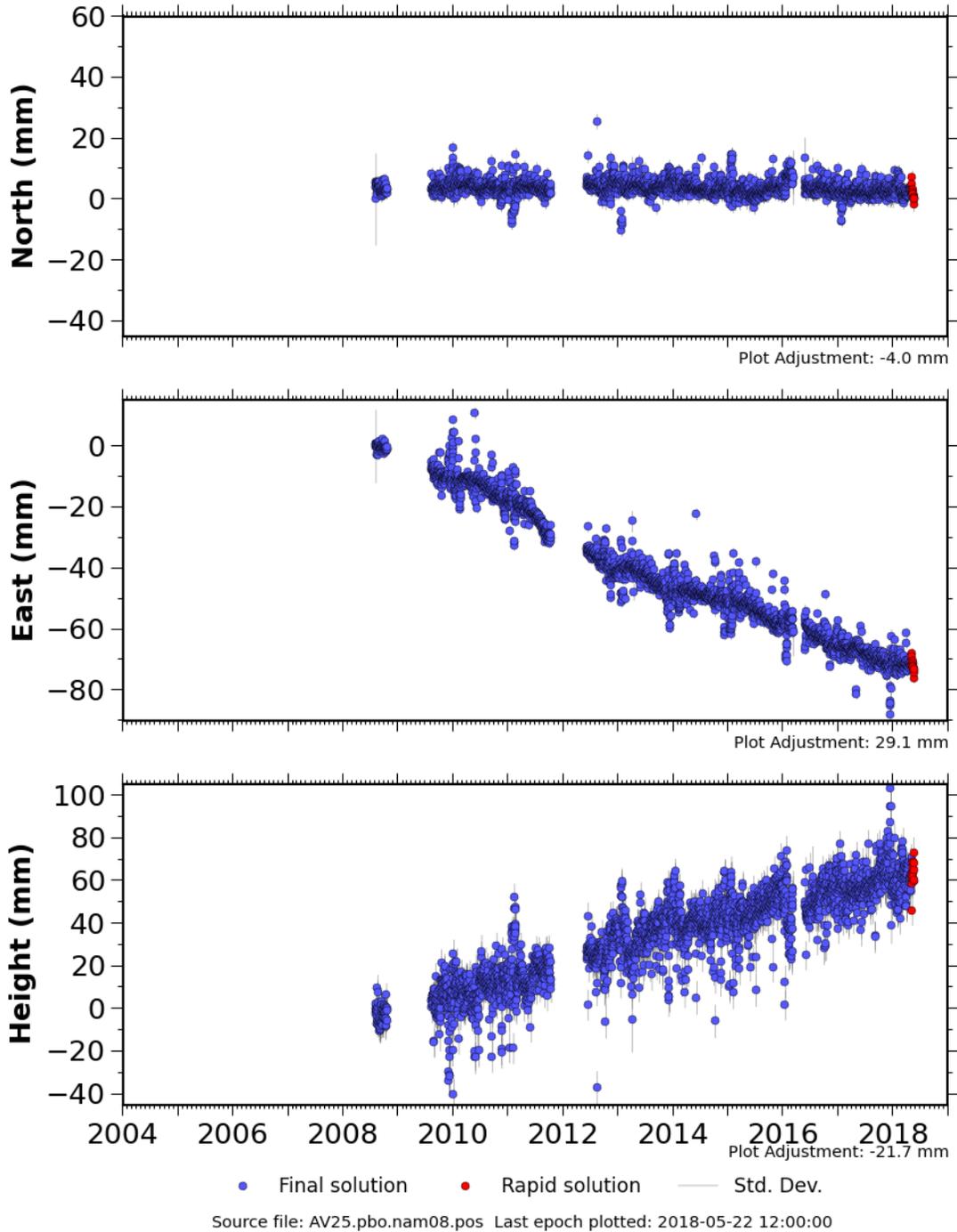
Use Pythagorean theorem to find total horizontal velocity \_\_\_\_\_ mm/yr

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

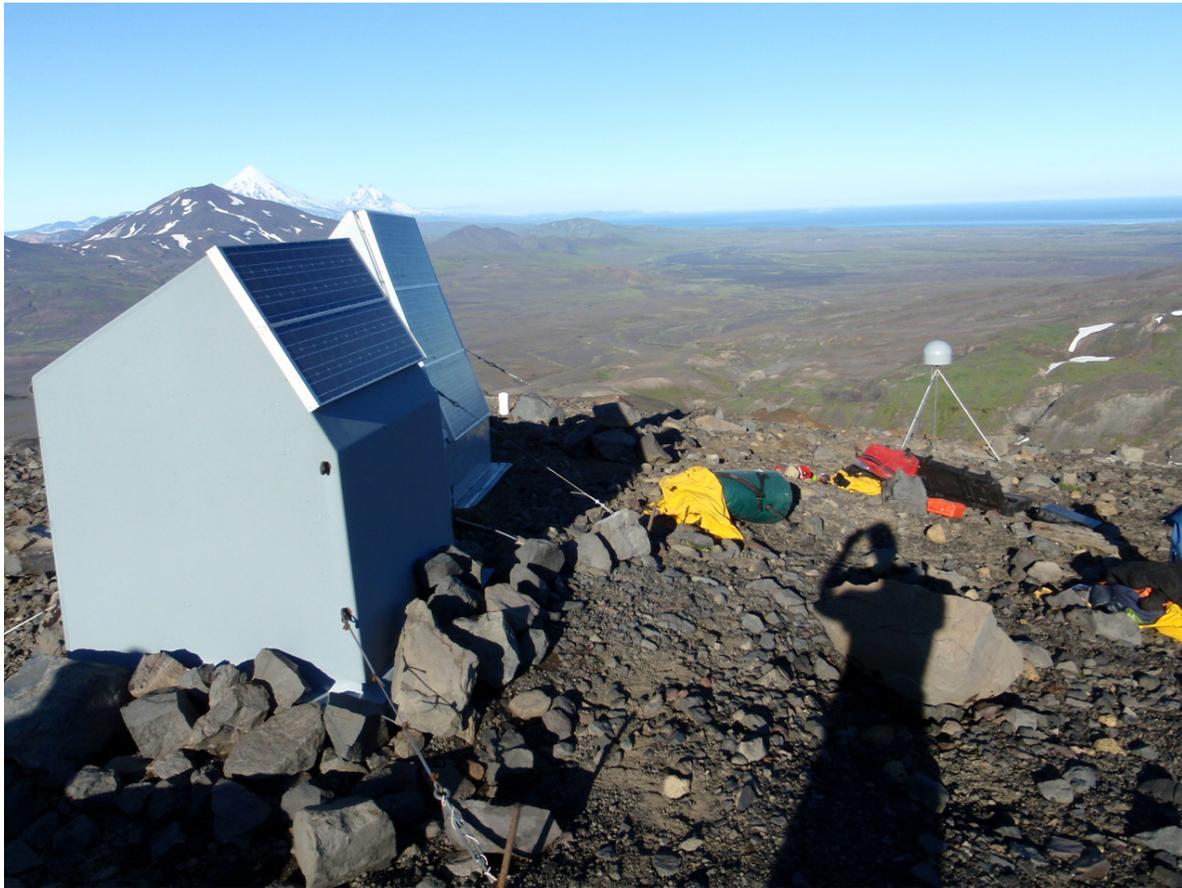
Finally draw all 3 velocity vectors (arrows) on the map to show your findings.

# AV25 (WestdahlW\_AK2007) NAM08

Processed Daily Position Time Series - Cleaned (Outliers Removed)



<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

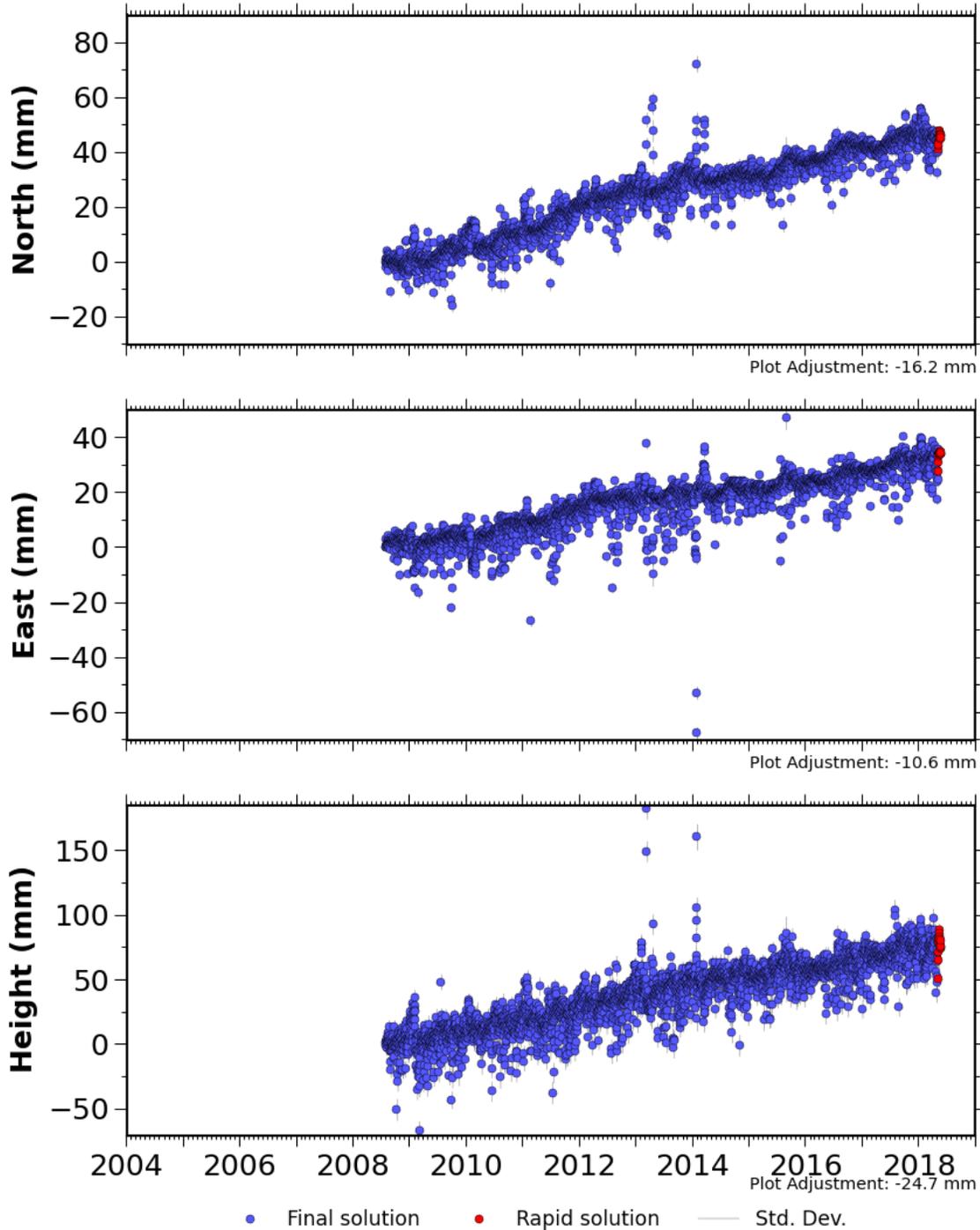
Use Pythagorean theorem to find total horizontal velocity \_\_\_\_\_ mm/yr

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

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

# AV26 (WestdahINEAK2008) NAM08

Processed Daily Position Time Series - Cleaned (Outliers Removed)



Source file: AV26.pbo.nam08.pos Last epoch plotted: 2018-05-22 12:00:00



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: *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

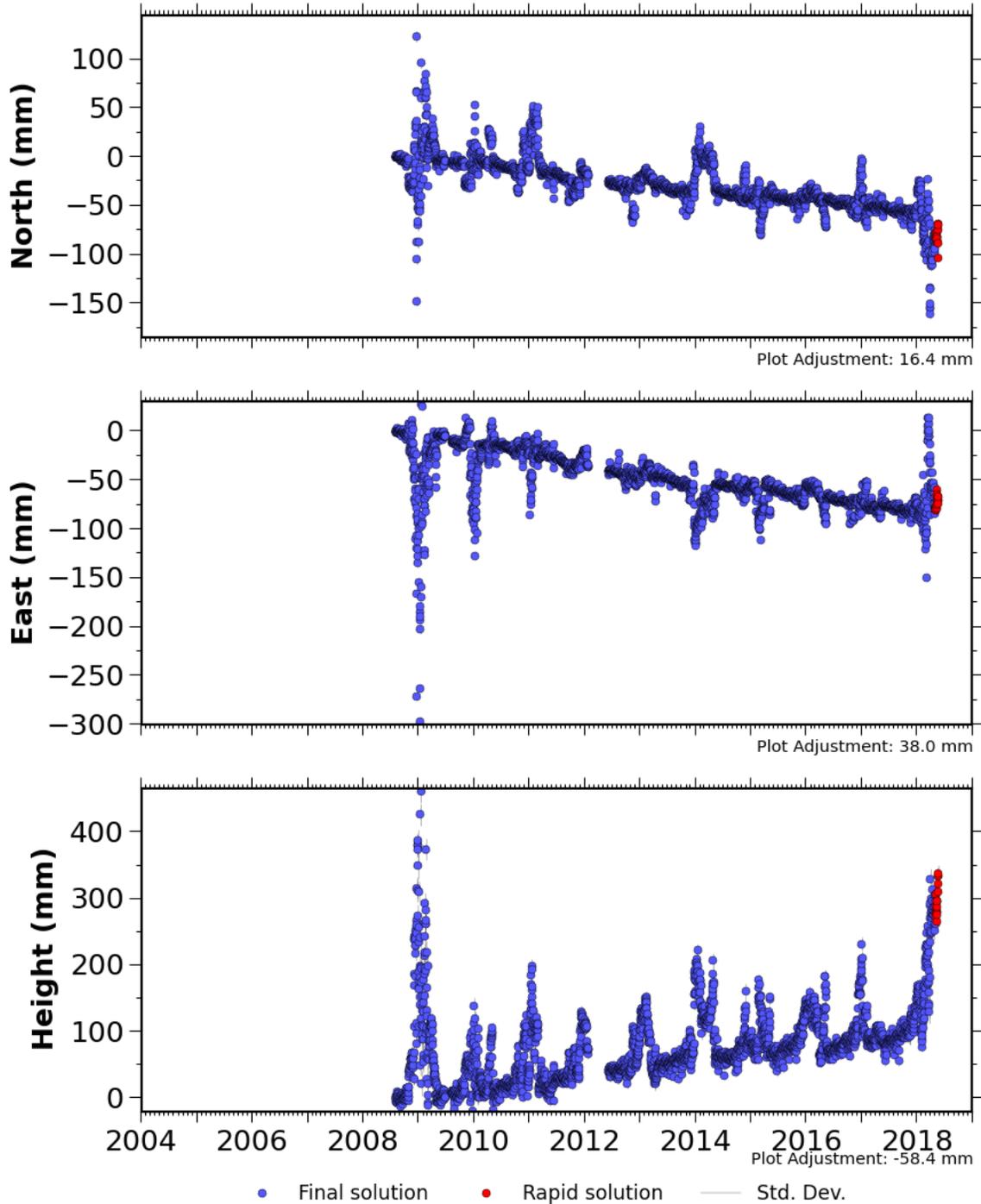
Use Pythagorean theorem to find total horizontal velocity \_\_\_\_\_ mm/yr

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

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

# AV27 (WestdahlSWAK2008) NAM08

Processed Daily Position Time Series - Cleaned (Outliers Removed)



Source file: AV27.pbo.nam08.pos Last epoch plotted: 2018-05-22 12:00:00



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

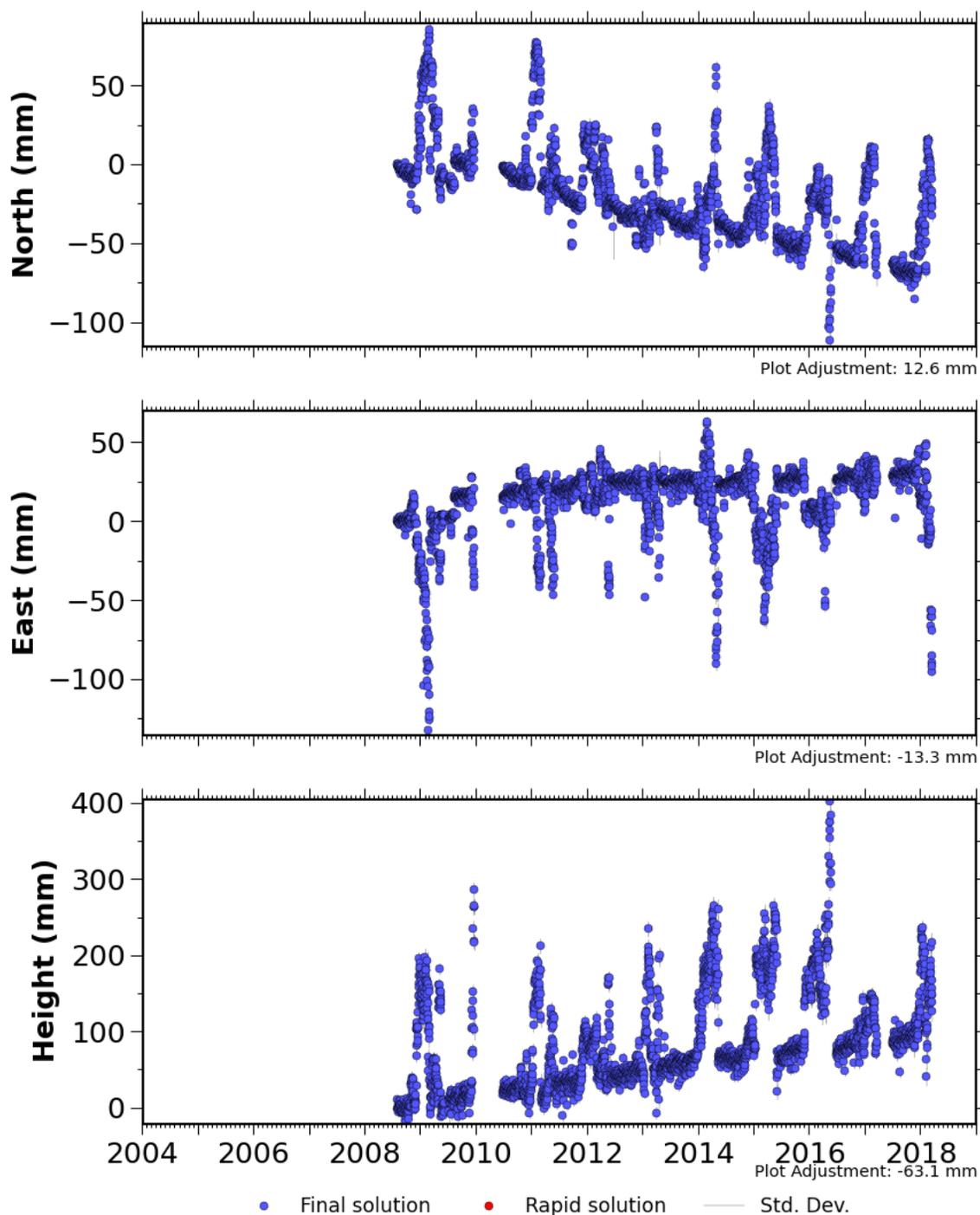
Use Pythagorean theorem to find total horizontal velocity \_\_\_\_\_ mm/yr

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

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

# AV29 (WestdahlSEAK2008) NAM08

Processed Daily Position Time Series - Cleaned (Outliers Removed)



Source file: AV29.pbo.nam08.pos Last epoch plotted: 2018-03-17 12:00:00