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To:	Jerald Schnabel Castle Aggregate	From:	Paul Kos Denver, CO 80202
File:	Fourth Quarter 2024 Monitoring Summary	Date:	January 31, 2025

Reference: Fourth Quarter 2024 Geotechnical Monitoring Summary Pikeview Quarry

1.0 INTRODUCTION

Stantec Consulting Services Inc. (Stantec) has prepared this Fourth Quarter 2024 Geotechnical Monitoring Summary for the Pikeview Quarry. The Pikeview Quarry is situated along the foothills of the Rocky Mountains, northwest of Colorado Springs, Colorado. Castle Aggregate operated the quarry, which is currently closed and undergoing reclamation. A geotechnical monitoring program was established to monitor the geotechnical performance of the reclaimed slopes during and following reclamation grading. This report presents the geotechnical monitoring results at the site through the Fourth Quarter of 2024. Continuous monitoring by the robotic survey system began in 2010 and continued through the Fourth Quarter of 2024. Visual inspections of the slopes were performed by Castle Aggregate employees and Stantec engineers.

1.1 PURPOSE

The purpose of this report is to summarize the Fourth Quarter 2024 geotechnical monitoring results and verify the geotechnical performance of the existing and reclaimed slopes with respect to the historical performance record. The goals of the geotechnical instrumentation monitoring program can be described as:

- Meet corporate risk management requirements,
- Provide ongoing slope monitoring and advance warning of any changed conditions that could pose a hazard to workers or to the public,
- Document the geotechnical performance of the slope, and
- Document site activities.

1.2 MONITORING SUMMARY

Major components of the instrumentation monitoring program are listed in Table 1 and shown on Figures 1 (aerial imagery) and 2 (topography).

Table 1 Monitoring Frequency

Monitoring Type	Frequency
Visual inspection	Daily (if work activities that day, Castle Aggregate) and Monthly (Stantec)
Robotic theodolite/prism	Continuous

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2.0 VISUAL INSPECTIONS

Inspections are completed daily by site staff prior to work activities and monthly by Stantec engineers to document visual observations of slope conditions, including signs of instability (i.e., cracking, slumping, over-steepened slopes, seeps, perched boulders, rock falls, erosion, and areas undercut by construction or maintenance activities).

On working days, site operators inspect their work areas for signs of instability daily before starting work per site safety rules and regulations. The daily inspection starts by reviewing any prism alerts/alarms, and when appropriate, inspecting those areas before work begins in that area. The daily inspection also includes visual observations of the quarry slopes for any changes.

Stantec conducted visual inspections of the Pikeview Quarry slopes on October 23, 2024, November 22, 2024, and December 16, 2024. The engineering inspections were conducted by traversing each area of the mine and observing the uphill slope and the downhill slope for signs of instability, and areas in need of maintenance. Slopes that have been graded and are 2 horizontal (H):1 vertical (V) or shallower are also traversed on foot. Slopes that have been seeded are observed from adjacent areas to avoid disturbing the seed and mulch covering. The findings are listed below, and photographs of notable observations are included on Figure 3.

Visual inspections of the Pikeview Quarry did not reveal any evidence of large-scale instability outside of the landslide areas previously identified. No cracking, bulging, rippling, over-steepening, depressions, slumps, or dry slip-offs were observed in areas that have been graded and/or reclaimed.

3.0 PRISM SURVEY

A Leica robotic total station is used to continuously survey the prisms onsite to document slope movements. The robotic total station records the location of each prism every hour. There were 33 prisms active in the Fourth Quarter of 2024; two prisms were control points located outside the slope movement area, 5 prisms were located on the slopes surrounding the slope movement area, and 26 prisms were located in the buttress fill area. The prism locations are shown on Figures 1 and 2.

The monitoring software, GeoMos, has been programed to provide automatic alerts if there is a movement recorded that is greater than 0.35 feet, if a prism cannot be located, or if there are communication errors. Following each alert, Castle Aggregate clears the area of concern until the data can be reviewed and the slope can be inspected. Castle Aggregate made sure that there were no workers in the area before inspecting the slope. All alerts for potential movement have been attributed to weather, animal activity, equipment operations blocking the prism, or sun glare, and no alerts have been associated with slope movements. Castle Aggregate or Stantec will notify CDRMS of any alerts caused by slope movement. The alerts from the fourth Quarter of 2024 are listed in Table 2. In future monitoring reports, only prism alerts related to movement will be reported. Alerts related to weather, animal activity or sun glare will not be reported.

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Table 2 Fourth Quarter 2024 Prism Alert Summary

Date(s)	Alert	Cause/Actions taken	Resolved
1-Oct	B7200-1 not found	Equipment operations in area moved prism out of alignment. Operators watching out for each other.	1-Oct
1-Oct	P33 regression limit	Single event. System being accessed at time of alert and equipment operations near Leica station. No signs of movement at prisms.	1-Oct
4-Oct to 7-Oct	B7500-3 not found	Prism turned by wildlife. Operators watching out for each other.	7-Oct
14-Oct	B7300-3 not found	Single event and no work being performed at time of alert. Prism believed to have been blocked by wildlife.	14-Oct
16-Oct	P70R not found	Single event at late afternoon. Prism believed to have been blocked by sun glare.	16-Oct
17-Oct	P70R not found	Single event at late afternoon. Prism believed to have been blocked by sun glare.	17-Oct
18-Oct to 21-Oct	Points not found	Rain and fog. No work being performed at time of alerts.	21-Oct
20-Oct	P25 regression limit	Rain and fog. No work being performed at time of alert.	21-Oct
23-Oct	P70R not found	Single event at late afternoon. Prism believed to have been blocked by sun glare.	23-Oct
23-Oct	CP6 not found	Single event at night. Prism believed to have been blocked by wildlife.	23-Oct
24-Oct	P70R not found	Single event at night. Prism believed to have been blocked by wildlife.	24-Oct
25-Oct	P70R not found	Single event at late afternoon. Prism believed to have been blocked by sun glare.	25-Oct
26-Oct	P70R not found	Single event at late afternoon. Prism believed to have been blocked by sun glare.	26-Oct
27-Oct	P70R not found	Single event at late afternoon. Prism believed to have been blocked by sun glare.	27-Oct
29-Oct	P33 not found	Single event. Rain and fog at time of alert.	29-Oct
30-Oct to 31-Oct	Points not found	Rain and fog. No work being performed at time of alerts.	31-Oct
4-Nov to 5-Nov	Points not found	Snow, frost, and fog. No work being performed at time of alerts.	4-Nov
5-Nov	P33 regression limit	Single event during snow and fog.	5-Nov
5-Nov to 6-Nov	Points not found	Snow, frost, and fog. No work being performed at time of alerts.	5-Nov
6-Nov to 7-Nov	Points not found	Snow, frost, and fog. No work being performed at time of alerts.	6-Nov
7-Nov to 9-Nov	Points not found	Snow, frost, and fog. No work being performed at time of alerts.	7-Nov
9-Nov to 20-Nov	P70R not found	No work being performed at time of alerts. Prism was scoped and determined to be in position. No access to prism due to weather and site conditions for several days. Prism likely turned by wildlife.	20-Nov
9-Nov	P33 regression limits	No work being performed at time of alerts. Readings in positive and negative directions.	10-Nov
10-Nov	P33 regression limits	No work being performed at time of alerts. Readings in positive and negative directions.	10-Nov
11-Nov	P33 regression limits	No work being performed at time of alerts. Readings in positive and negative directions.	11-Nov
11-Nov	P25 regression limit	No work being performed at time of alert. Single event.	11-Nov
12-Nov	P33 regression limit	No work being performed at time of alert. Single event.	12-Nov

12-Nov	P32R not found	No work being performed at time of alert. Single event.	12-Nov
24-Nov to 25-Nov	Points not found	Fog. No work being performed at time of alerts.	24-Nov
25-Nov to 26-Nov	B7700-3U not found	Believed to be wildlife related.	25-Nov
27-Nov to 28-Nov	Points not found	Fog. No work being performed at time of alerts.	27-Nov
29-Nov	B7300-0 not found	Single event. Believed to be animal related.	29-Nov
30-Nov	B7300-0 not found	Single event. Believed to be animal related.	30-Nov
3-Dec	P70R not found	Single event at night. Prism believed to have been blocked by wildlife.	3-Dec
6-Dec	CP6 not found	Single event. No sign of movement.	6-Dec
7-Dec	CP6 not found	Single event. Believed to be animal related.	7-Dec
9-Dec to 10-Dec	Points not found	Snow, frost, and fog. No work being performed at time of alerts.	9-Dec
13-Dec	B7200-1 not found	Single event. Believed to be animal related.	13-Dec
18-Dec	CP7 not found	Likely frost on prism. No work being performed at time of alerts.	18-Dec
23-Dec to 25-Dec	B7700-1 not found	Believed to be wildlife related.	26-Dec
24-Dec	B7300-0 not found	Single event in morning. Believed to be animal, frost, or sun glare related.	26-Dec
26-Dec	B7300-0 not found	Single event in morning. Believed to be animal, frost, or sun glare related.	26-Dec
27-Dec	B7300-0 not found	Single event in morning. Believed to be animal, frost, or sun glare related.	27-Dec
28-Dec	B7300-0 not found	Single event in morning. Believed to be animal, frost, or sun glare related.	28-Dec
29-Dec	B7300-0 not found	Single event in morning. Believed to be animal, frost, or sun glare related.	29-Dec
30-Dec	B7300-0 not found	Single event in morning. Believed to be animal, frost, or sun glare related.	30-Dec
30-Dec to 2-Jan	B7700-1 not found	Believed to be wildlife related.	5-Jan

The prism monitoring results for transverse and height displacements, monthly change, and cumulative change are summarized in Table 3. The transverse displacement measures the change in the horizontal distance from the robotic total station to the prism; positive displacements indicate less distance between the robotic total station and prism (movement towards the robotic total station). The height displacement measures the change in the vertical distance from the robotic total station to the prism; positive displacements indicate upward movement. The monthly delta is the most recent reading cumulative delta displacement (horizontal, lateral, and vertical) subtracted from the first reading of the month. The cumulative delta values are a total displacement and are not associated with a direction. The transverse, height, and cumulative delta displacements are the total displacement over the life of the monitoring, which was reset when the robotic total station was moved in July 2022 or when each prism was installed. According to Leica documentation, the survey accuracy is +/-4 mm+1.5 ppm for prisms located greater than 500m from the robotic total station; this equates to an accuracy of +/-0.016 ft.

The data show stable conditions with no or very small settlement movements at each of the 33 prisms. Prisms on the buttress slope continued to record slow and decreasing gradual movement as the fill consolidates along the benches. The fill is likely consolidating under its own weight. A small amount of settlement is common for newly placed compacted fill, particularly following rain events, and this is being recorded by the prisms. Plots of the transverse and height displacements for each prism are included in Appendix A.

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Table 3 Fourth Quarter 2024 Prism Summary

Prism ID	Cumulative Transverse Displacement (ft)	Cumulative Height Displacement (ft)	Monthly Delta (ft)	Cumulative Delta (ft)	Notes
B7200-1	-0.060	0.012	0.005	0.066	
B7200-2	0.005	-0.034	0.004	0.074	
B7200-3	0.233	-0.097	-0.003	0.304	
B7300-0	-0.998	-0.267	0.024	1.212	
B7300-1	-0.223	-0.220	0.024	0.456	
B7300-2	0.003	-0.325	0.030	0.408	
B7300-3	0.235	-0.219	0.022	0.393	
B7300-4	0.251	-0.203	0.015	0.348	
B7400-1	-0.404	-0.935	0.041	1.499	
B7400-2	-0.056	-0.637	0.033	1.206	
B7400-3	0.160	-0.494	0.054	0.639	
B7400-4	0.481	-0.436	-0.018	0.743	
B7400-5	0.814	-0.240	0.016	0.878	
B7500-1	-0.026	-0.232	0.060	0.286	
B7500-2	-0.053	-0.230	0.076	0.268	
B7500-3	0.063	-0.211	0.060	0.242	
B7500-4	0.085	-0.142	0.036	0.237	
B7500-5	0.062	-0.124	0.053	0.139	
B7600-5	0.078	-0.066	0.039	0.119	
B7700-1	0.041	0.017	0.035	0.089	Prism impacted by wildlife in December.
B7700-2	-0.052	-0.004	0.032	0.064	
B7700-3U	-0.023	0.013	0.005	0.033	
B7700-3L	-0.006	0.017	0.013	0.039	
BR4	-0.019	-0.010	0.019	0.023	
CP6	-0.003	-0.019	0.021	0.065	
CP7	0.064	-0.002	-0.014	0.084	
NP4	0.024	-0.089	-0.010	0.159	
P2	-0.014	-0.020	0.012	0.035	
P25	-0.016	0.020	0.007	0.026	
P32r	-0.042	0.025	0.015	0.057	
P33	0.041	-0.013	0.009	0.122	
P5	-0.016	-0.018	0.012	0.026	
P70R	-1.040	-0.561	0.074	2.144	Missing data from November 9 to 20. Prism impacted by wildlife.

4.0 RECLAMATION PROGRESS

Castle Aggregate has initiated reclamation grading at the Pikeview Quarry and has contracted with Stantec to provide EPCM services through completion. As an updated feature of our monthly report, we provide progress of activities, anticipated milestone schedule and a one month look ahead to better communicate project objectives. A phased approach is being used to complete the reclamation process (See milestone schedule below).

Phase 1 - Value Engineering and issue RFP to qualified contractors

Phase 2 - Commercial negotiations with successful contractor

Phase 3 - Execution planning and Contractor readiness review

Phase 4 - Site Construction execution

Phase 5 - Final revegetation (season 2)

Task/Milestone	Estimated Dates
Phase 1 – RFP Evaluation and Recommendation	Completed July 2021
Phase 2 – Constructor Contract Award	Completed August 2023
Phase 3 – Project Kick-off with successful Contractor	Completed August 2023
Phase 4 – Reclamation Grading	Completed February 2022 to July 2024
Phase 4 – Contractor Demobilize from Site	Completed Summer 2024
Phase 4 – Reclamation Planting	January 2025 (est.)
Phase 4 – Channel Armoring	January 2025 (est.)
Phase 5 – Final Revegetation	2024 until acceptance

Progress of activities this quarter:

- Continued placing filter gravel and riprap.
- Processing of filter gravel and riprap continued.
- Geotechnical monitoring continued.
- Continued placing topsoil.
- Continued seeding, matting, and mulching operations.
- Completed tree and shrub planting.

Work planned for next quarter includes:

- Conclude all reclamation activities including:
    - Placing topsoil after riprap placement is completed.
    - Seeding, matting, and mulching operations after riprap placement is completed.

    - Processing and placement of filter gravel and riprap.
- Continue geotechnical monitoring:
    - Robotic prism monitoring will continue on a continuous basis.
    - Geotechnical inspections will occur on a quarterly basis.
    - Geotechnical reporting will occur on a quarterly basis.

5.0 CONCLUSIONS

The data collected in the fourth quarter of 2024 demonstrate compliance with the reclamation grading plan, and none of the data indicate evidence of any large-scale movements that increase risk to workers or to the public.

- All monitoring should continue at frequencies specified above.
- All alerts shall continue to be taken seriously even if data errors are suspected.
- CDRMS will be notified of any movement alerts not associated with weather.

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LEGEND

- Permit/Affected Lands Boundary
- City Grading Permit Boundary
- Proposed Disturbance Limit
- Landslide Extent
- Buttress Fill Extent
- ○ Existing Prism

1. AERIAL IMAGERY FROM SEPTEMBER 30, 2024 DRONE SURVEY.

Client/Project
CASTLE AGGREGATE

PIKEVIEW QUARRY SLOPE MONITORING

Project No.
2057288200

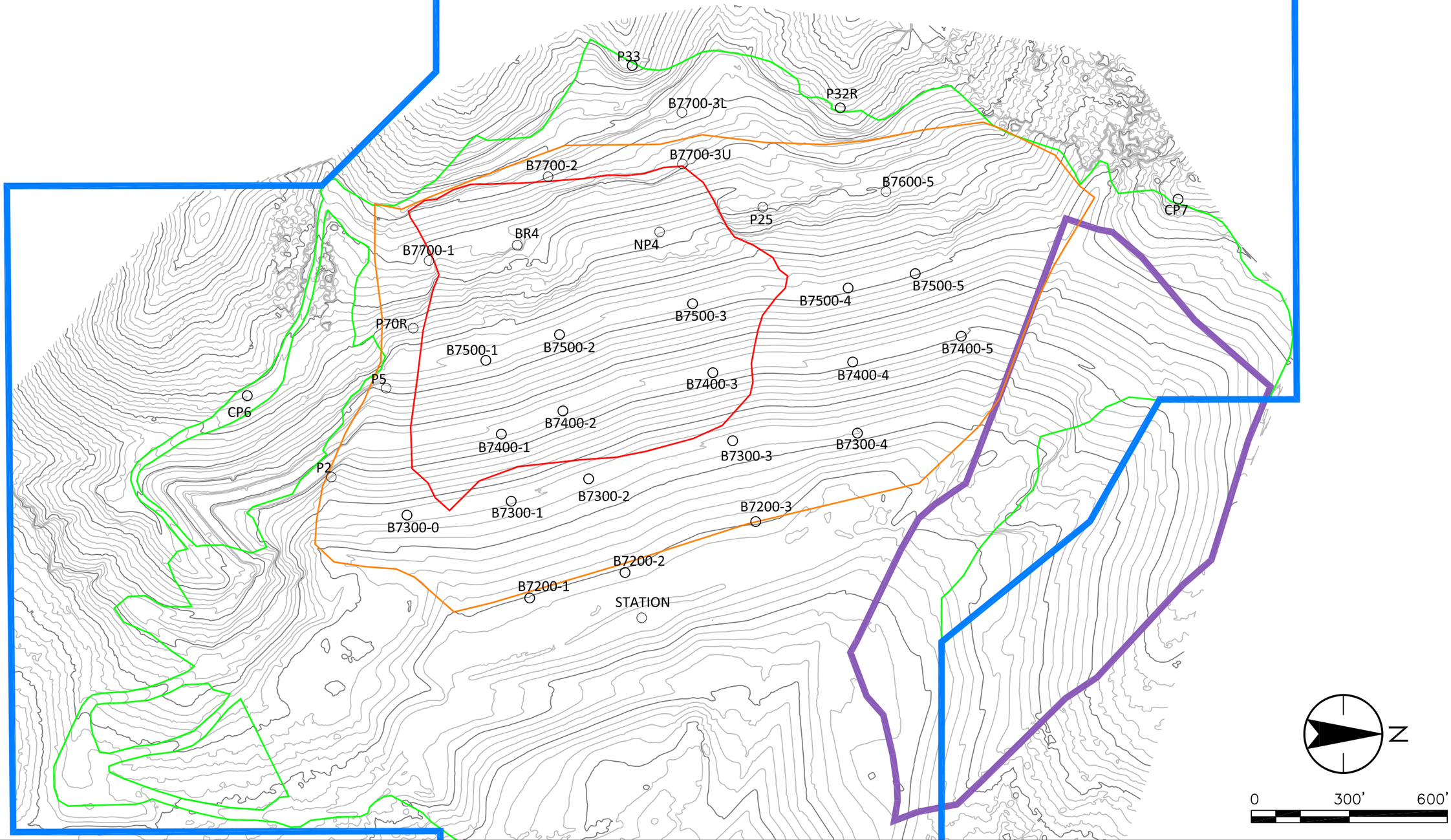
Title
SITE MAP

Revision
#

Date
2025.01.31

Drawn By
PK

Figure No.
1



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LEGEND

- Permit/Affected Lands Boundary
- City Grading Permit Boundary
- Proposed Disturbance Limit
- Landslide Extent
- Buttress Fill Extent
- ○ Existing Prism

1. TOPOGRAPHY FROM SEPTEMBER 30, 2024 DRONE SURVEY.
2. CONTOUR INTERVAL IS 10 FEET

Client/Project
CASTLE AGGREGATE

PIKEVIEW QUARRY SLOPE MONITORING

Project No.
2057288200

Title
EXISTING PRISMS WITH CURRENT SURFACE

Revision	Date
#	2025.01.31
Drawn By	Figure No.
PK	2

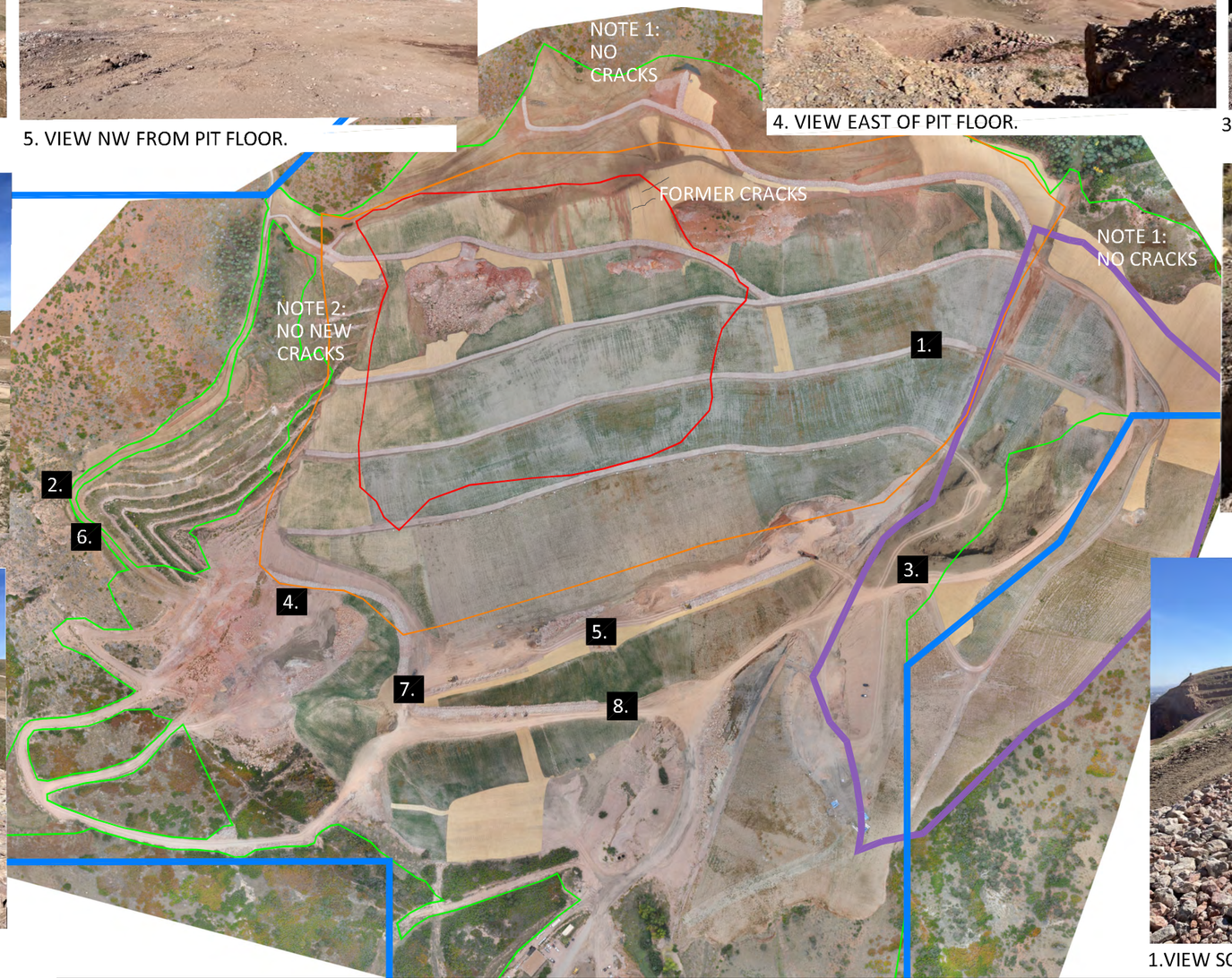
6. BENCHES AND VEGETATED SLOPES.

5. VIEW NW FROM PIT FLOOR.

4. VIEW EAST OF PIT FLOOR.

3. RIP RAP LINED MAIN CHANNEL.

7. VEGETATED SLOPES SEEN FROM PIT FLOOR.



2. SILL FOR WATER DIVERSION ON USFS ROAD.

8. VEGETATED SLOPES SEEN FROM PIT FLOOR.

1.VIEW SOUTH FROM RIP RAP LINED TERRACE CHANNEL .

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LEGEND

- Permit/Affected Lands Boundary
- City Grading Permit Boundary
- Proposed Disturbance Limit
- Landslide Extent
- Buttress Fill Extent

NOTES

1. NO CRACKS OBSERVED IN THIS AREA.
2. NO NEW CRACKS OBSERVED IN THIS AREA.
3. PHOTOS TAKEN OCTOBER 23, 2024.
4. AERIAL IMAGE FROM SEPTEMBER 30, 2024.

N

0 400’ 800’

Client/Project
CASTLE AGGREGATE

PIKEVIEW QUARRY SLOPE MONITORING

Project No.
2057288200

Title
OBSERVATIONS FROM OCTOBER INSPECTION

Revision
#

Date
2025.01.31

Drawn By
PK

Figure No.
3

Appendix A

Fourth Quarter 2024 Prism Survey

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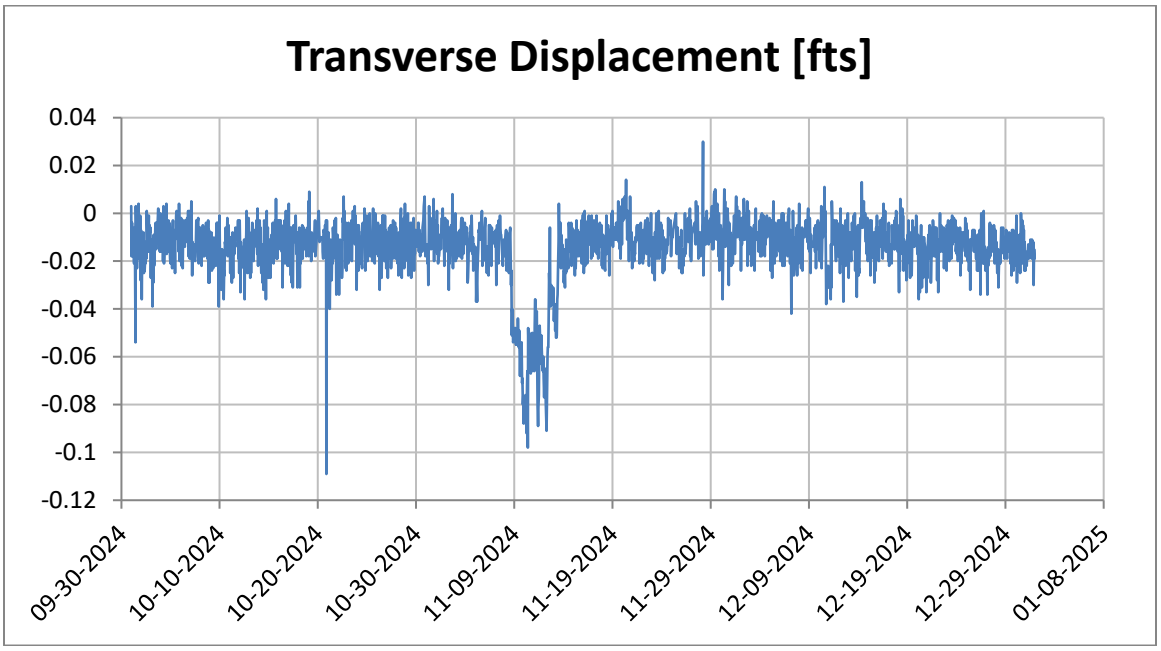
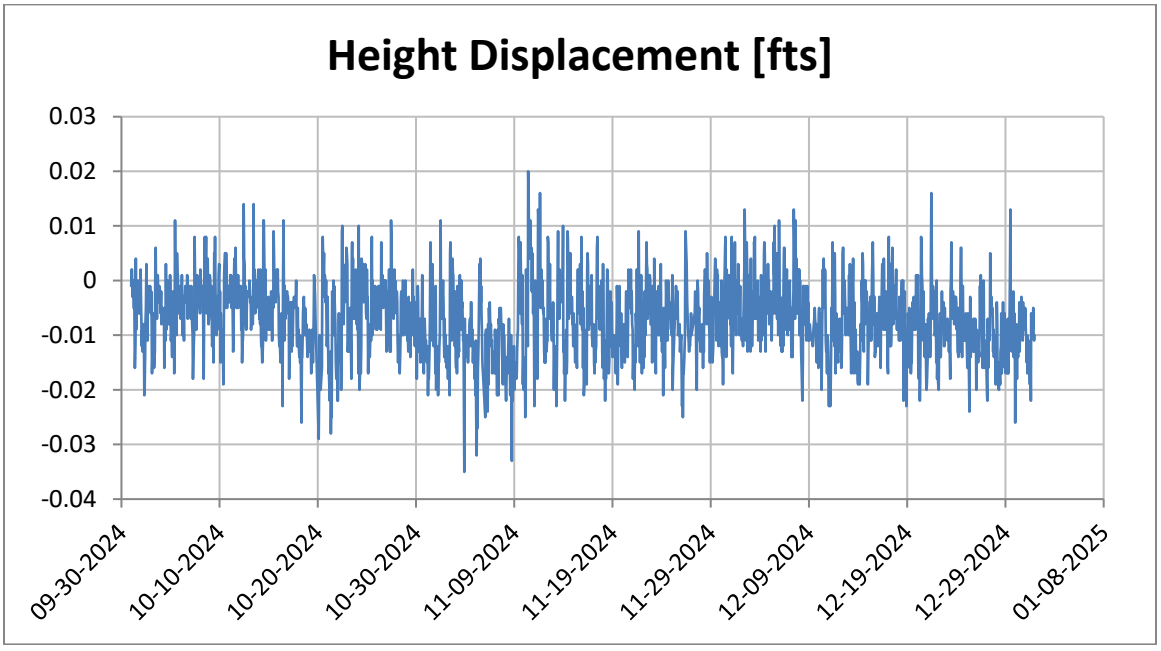
Prism BR4





Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

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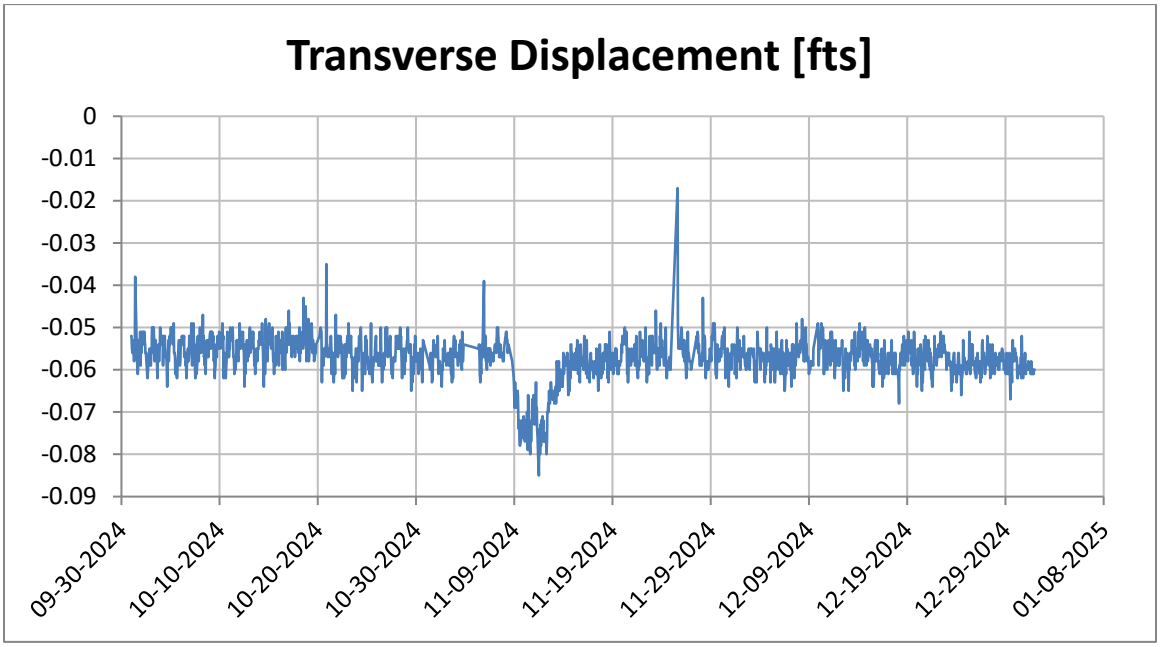
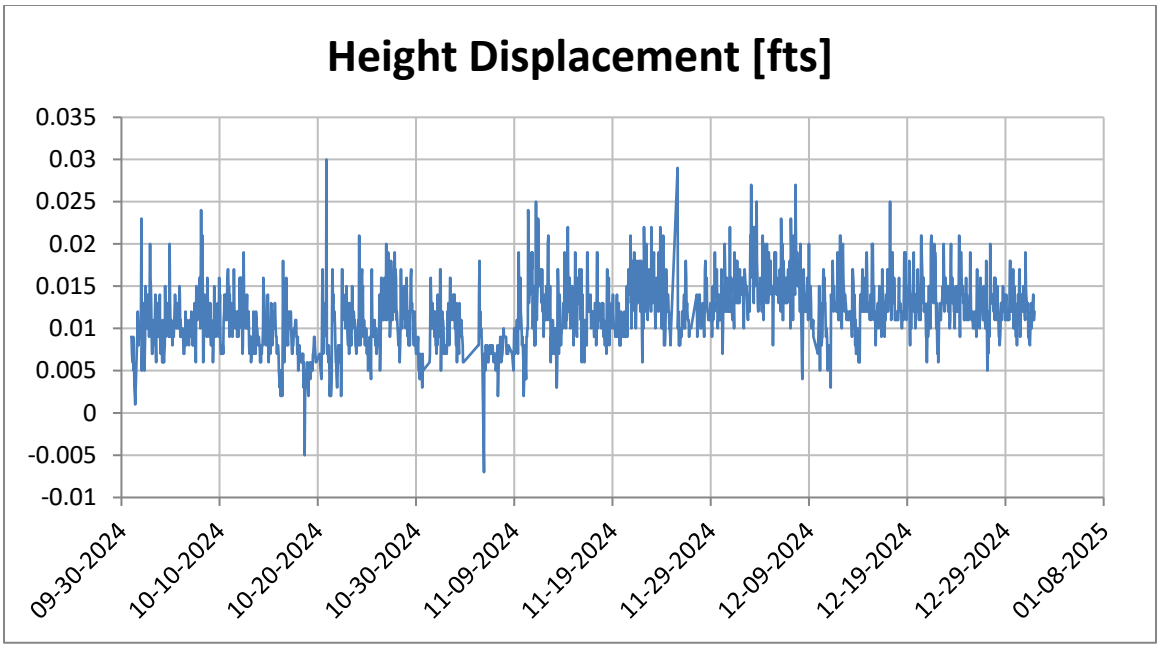
Prism B7200-1





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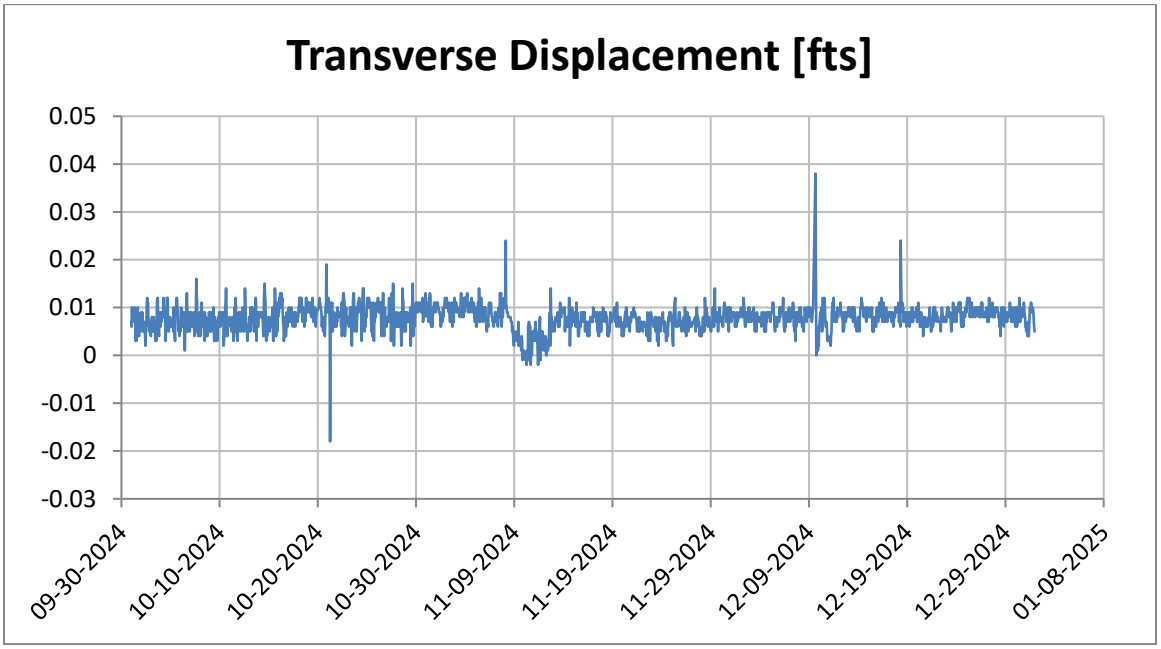
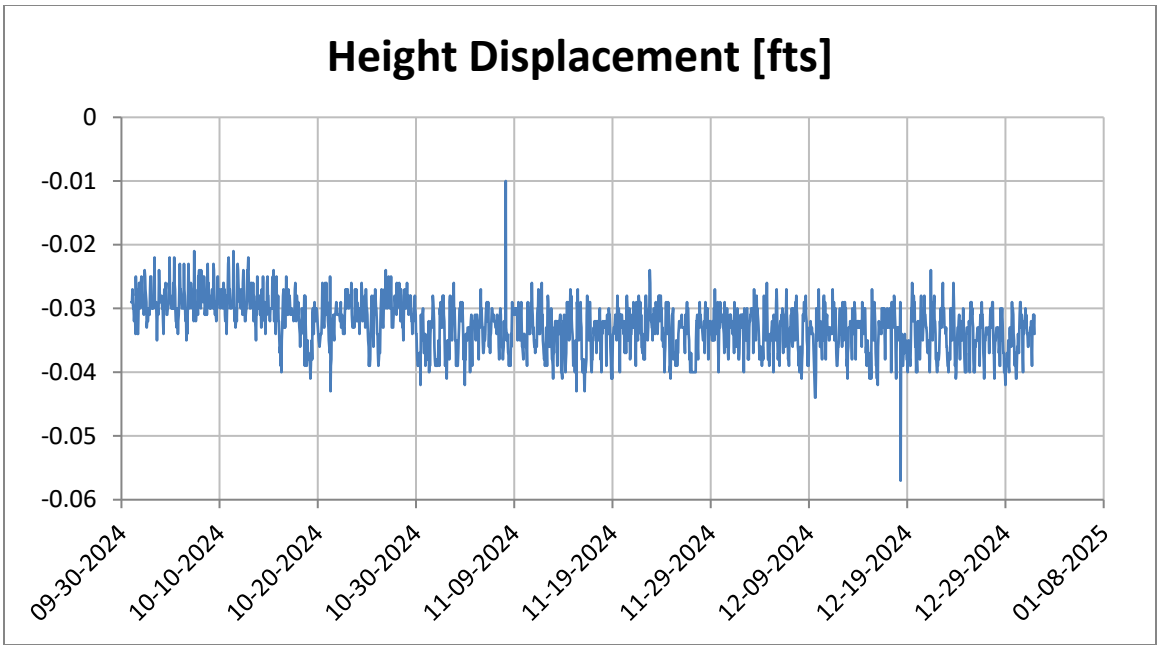
Prism B7200-2





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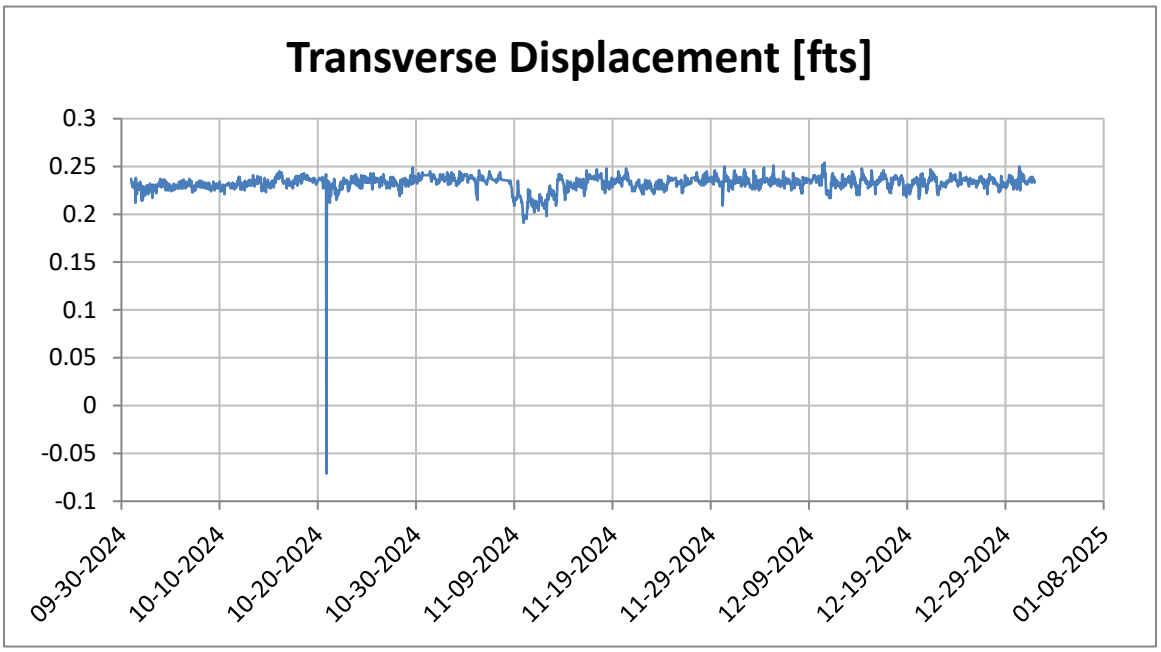
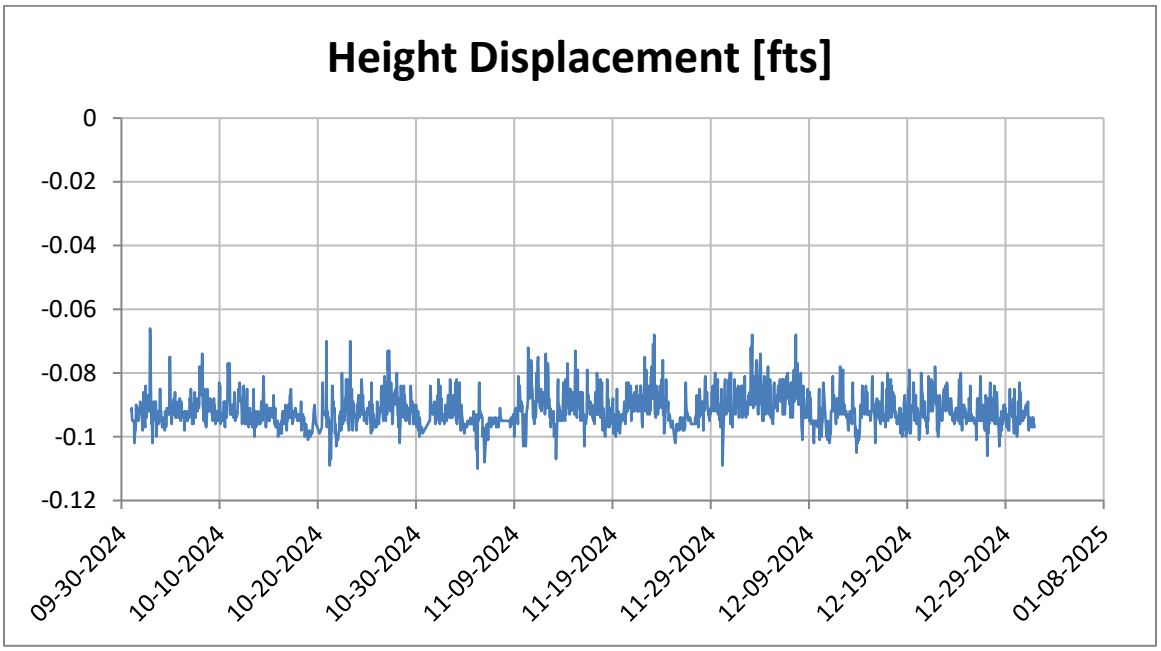
Prism B7200-3





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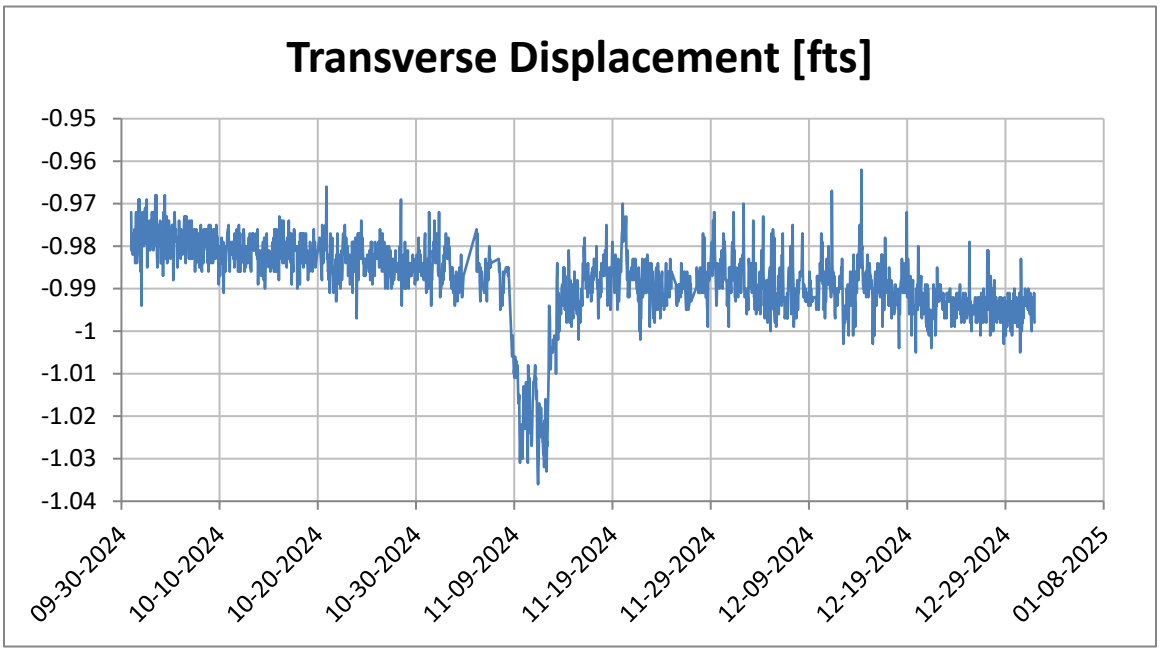
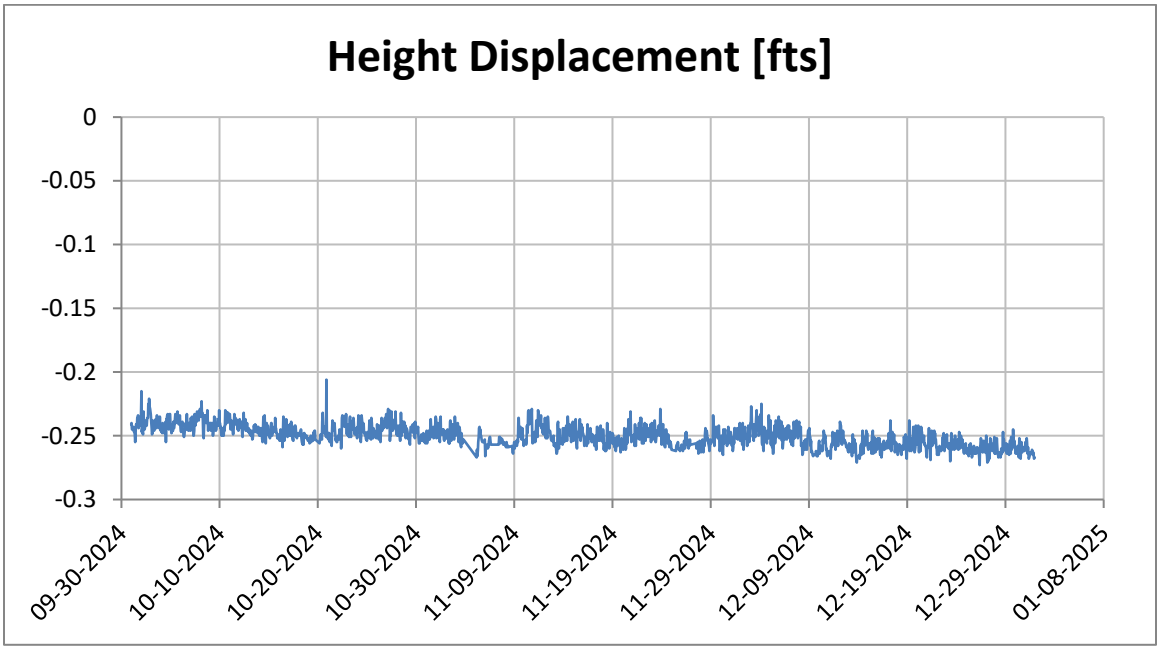
Prism B7300-0





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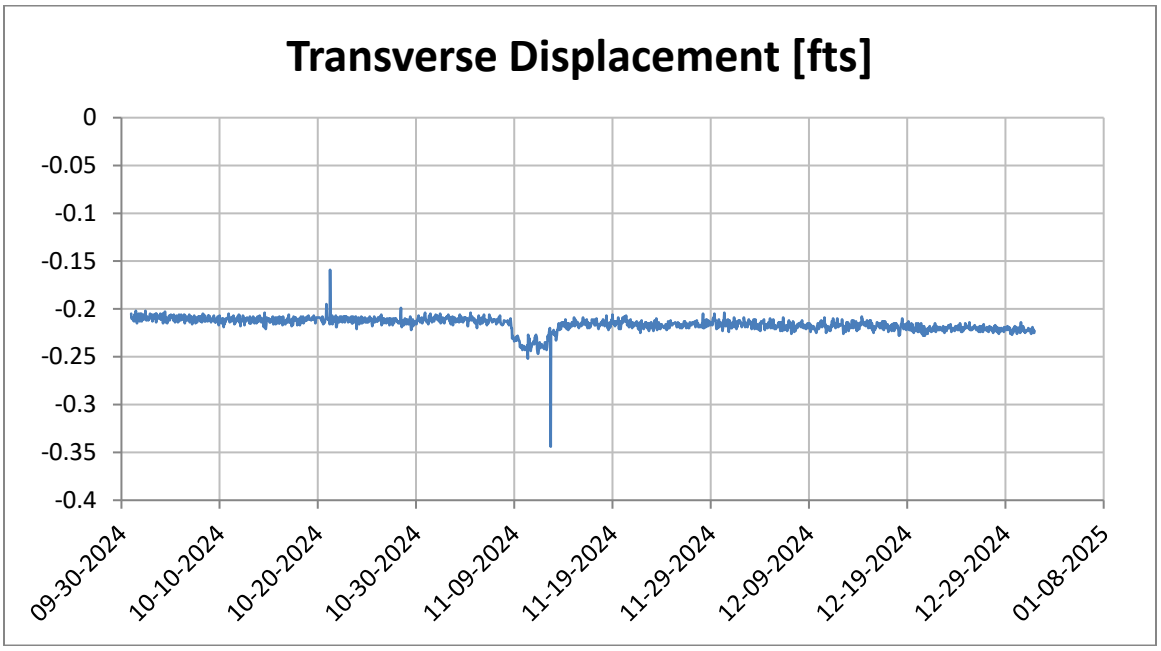
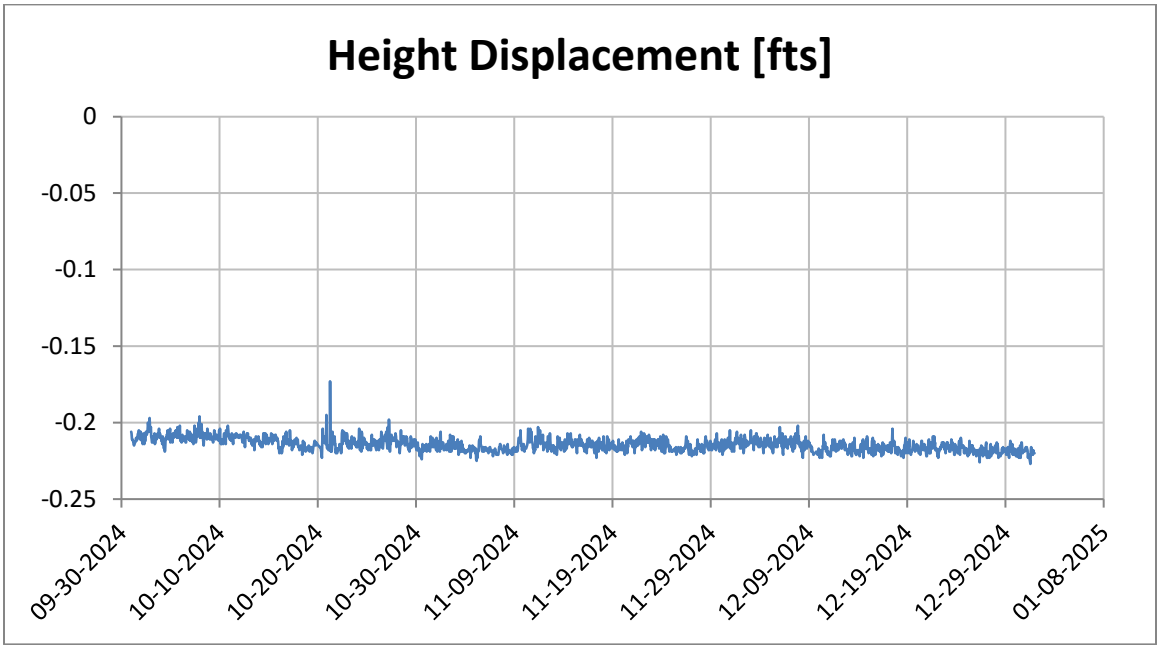
Prism B7300-1





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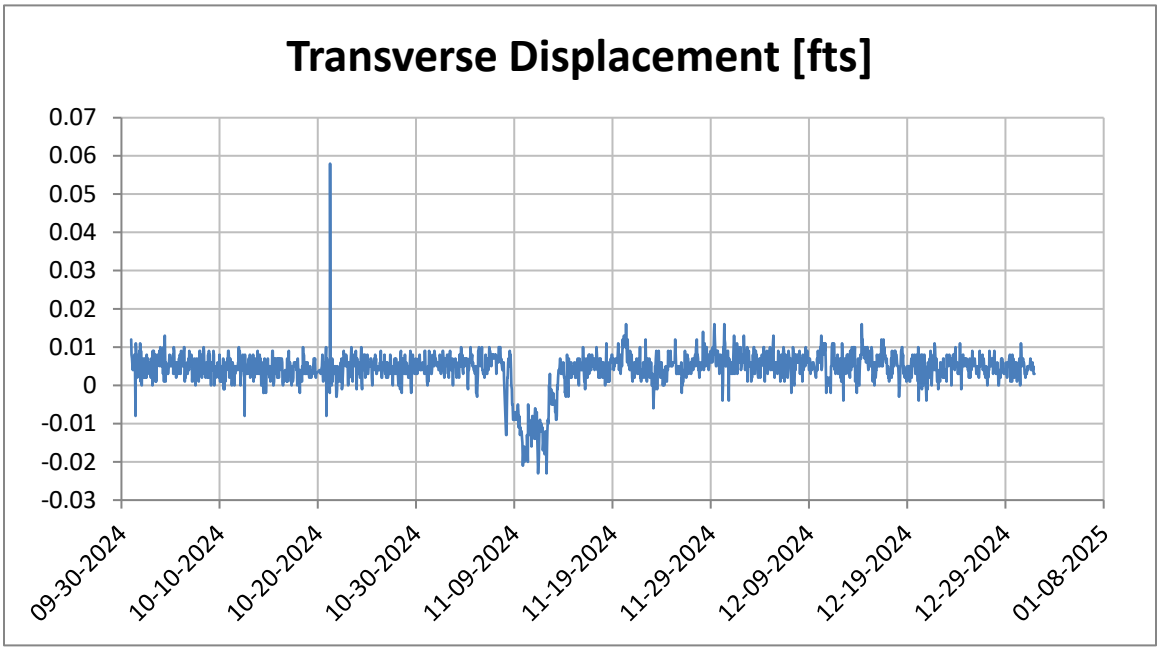
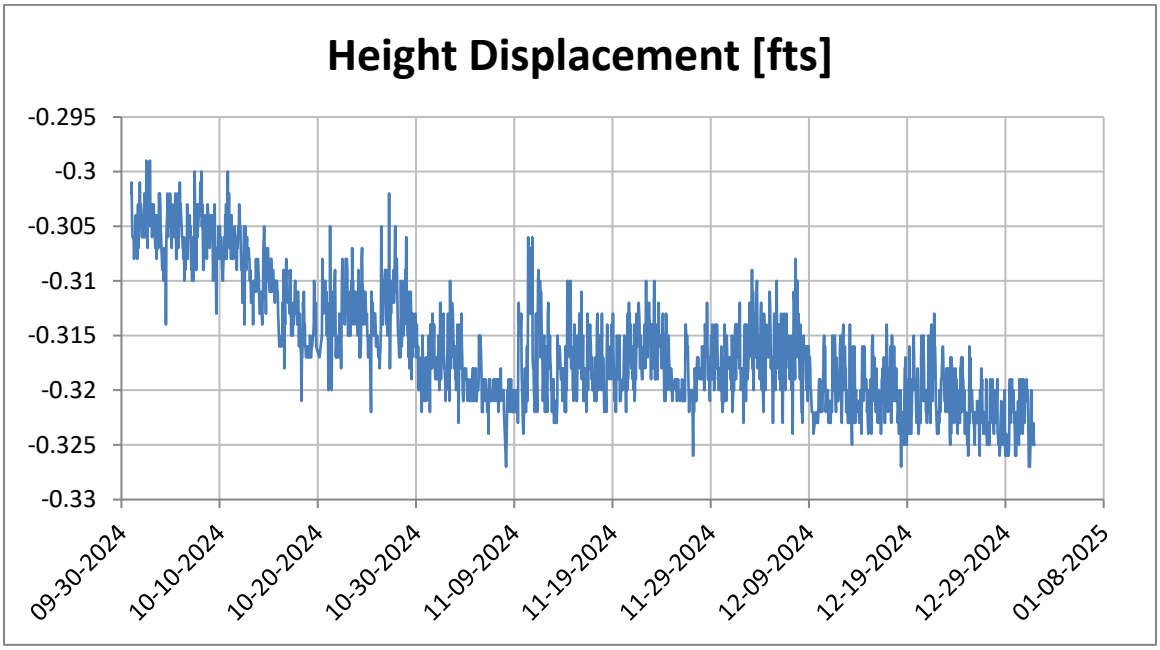
Prism B7300-2





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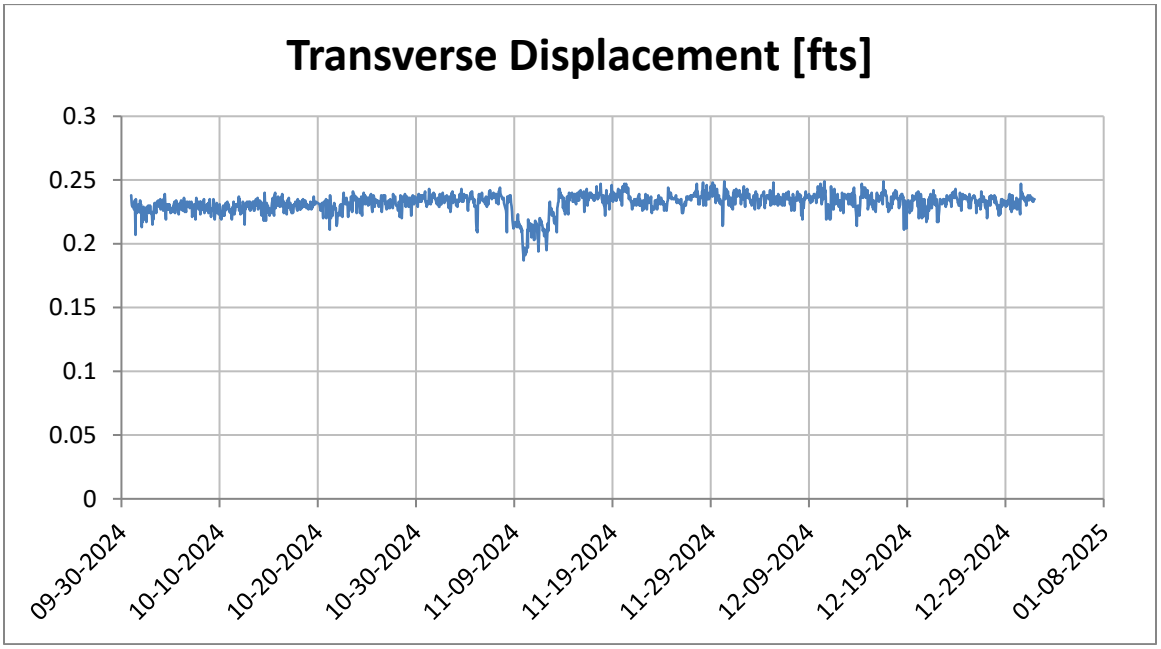
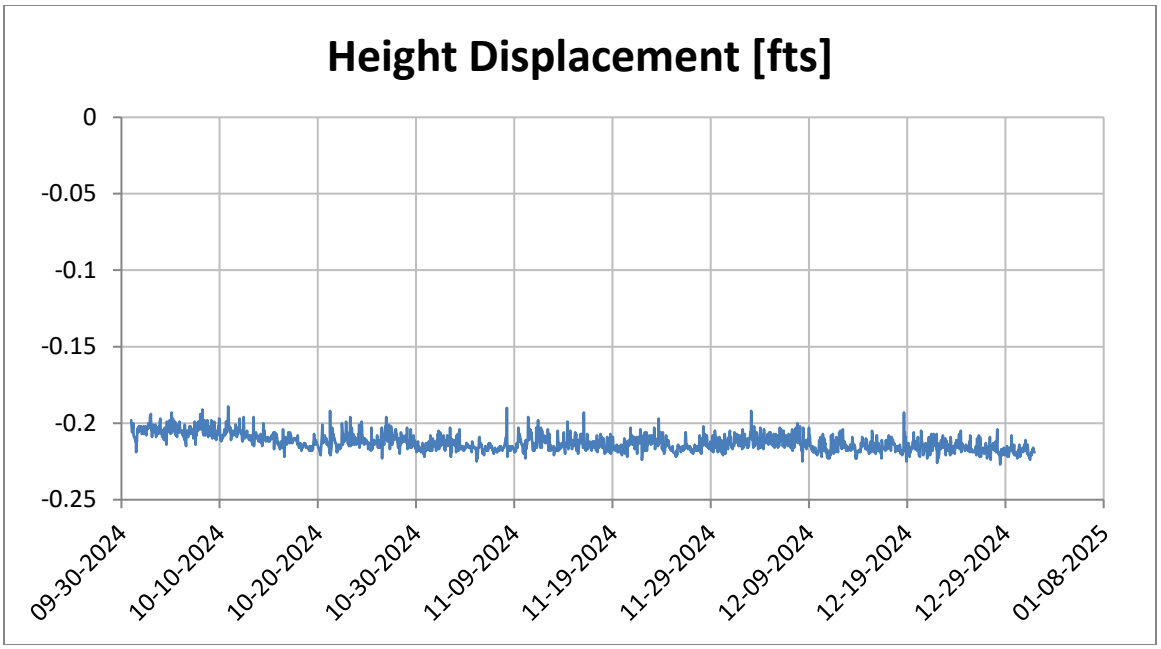
Stantec

Prism B7300-3



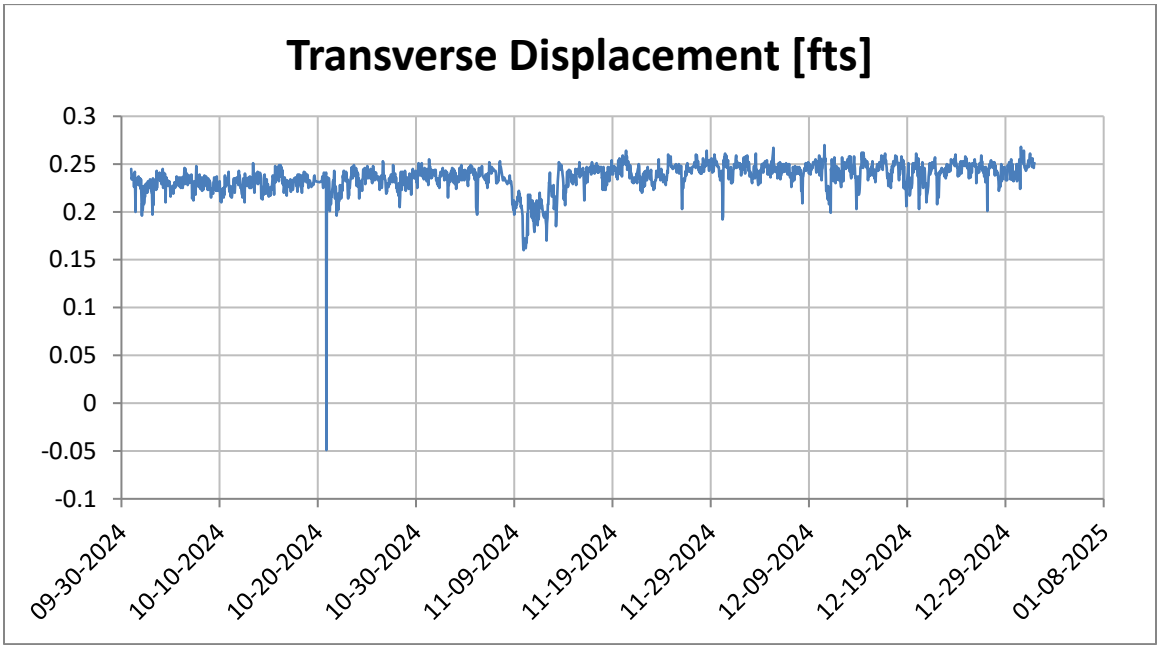


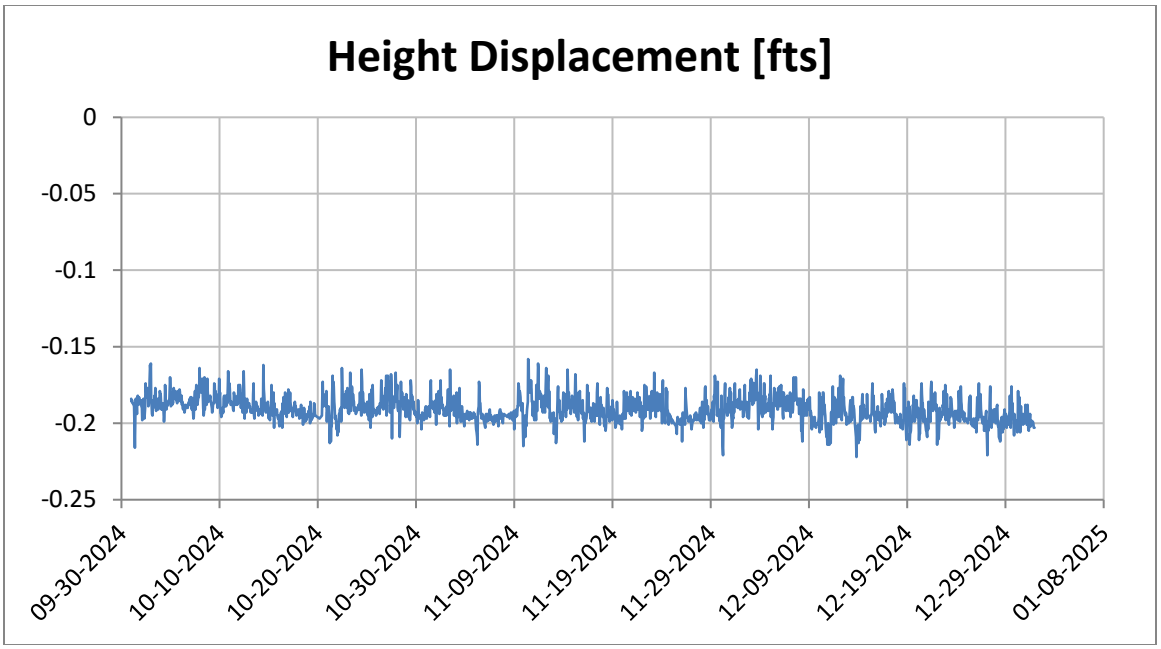
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism B7300-4



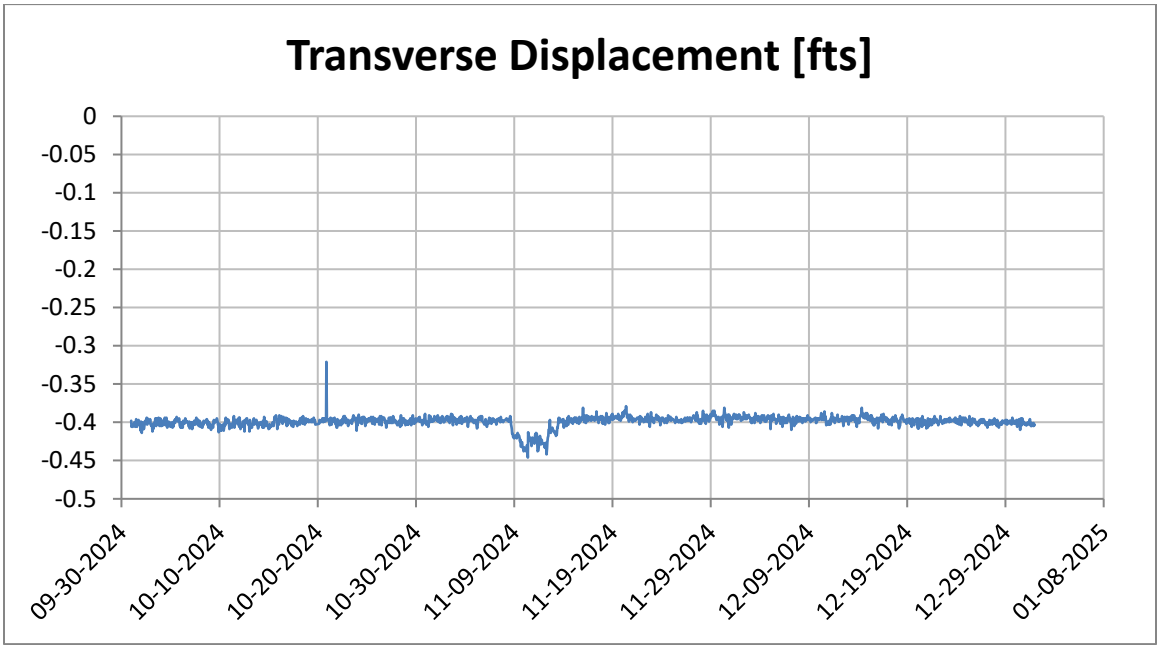


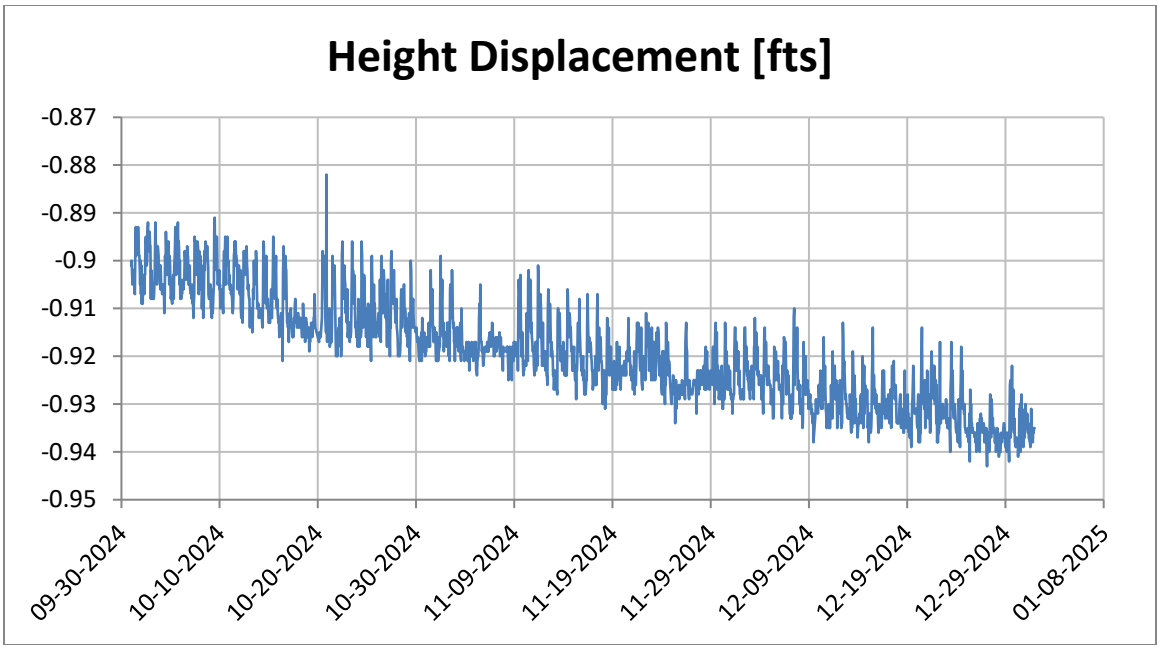
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism B7400-1



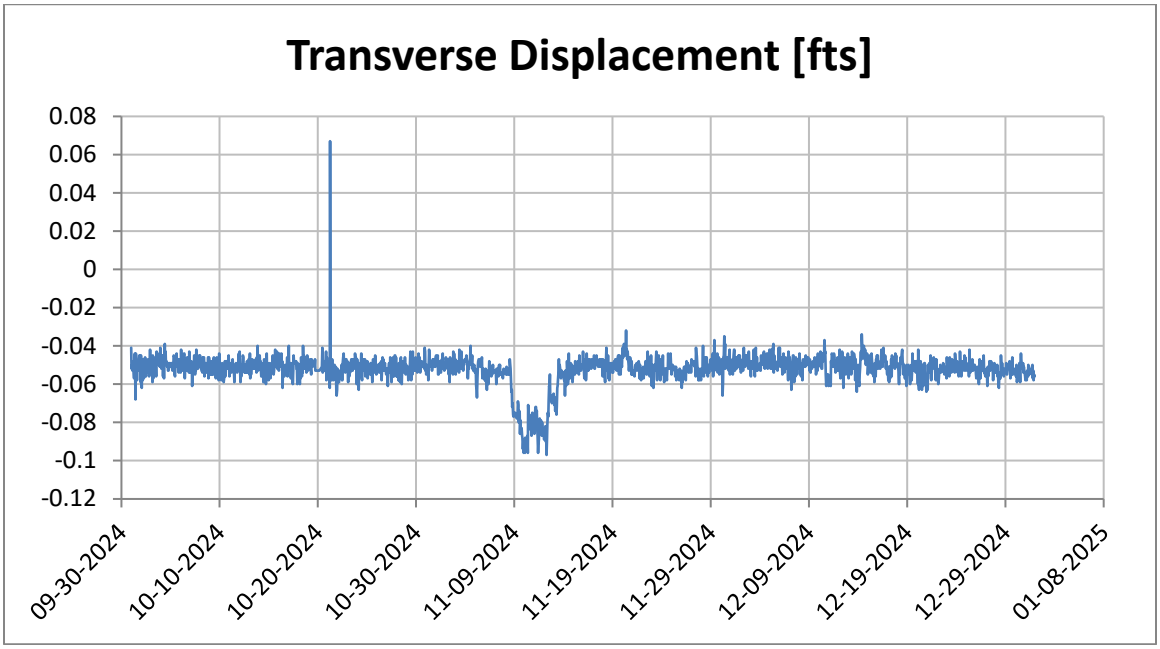


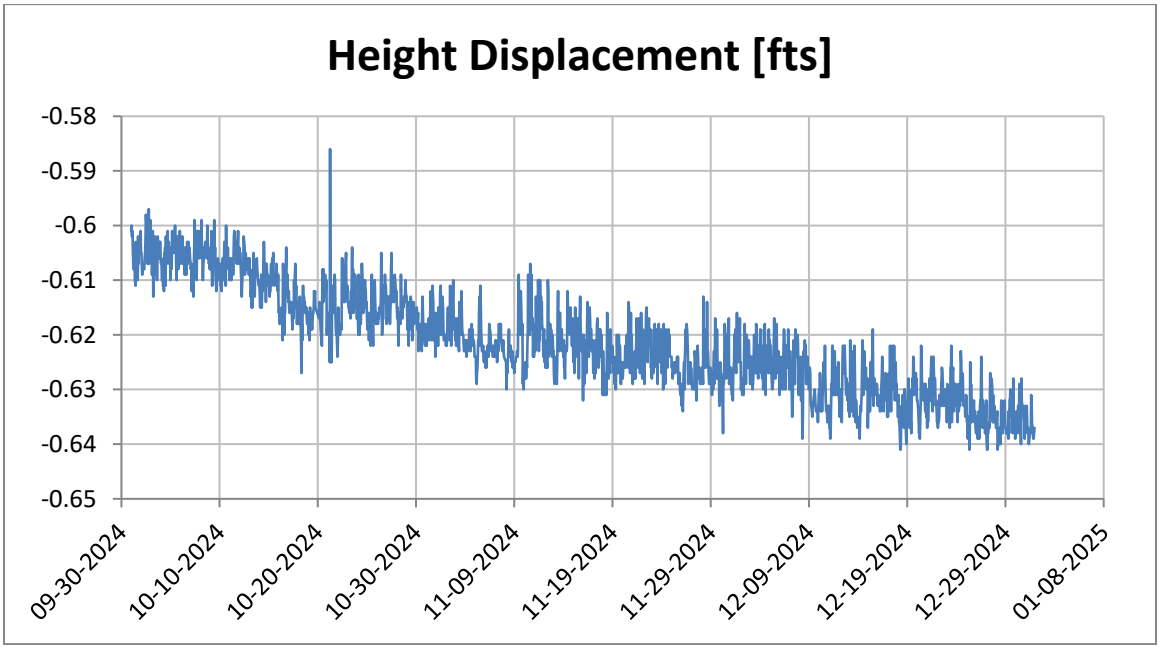
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism B7400-2



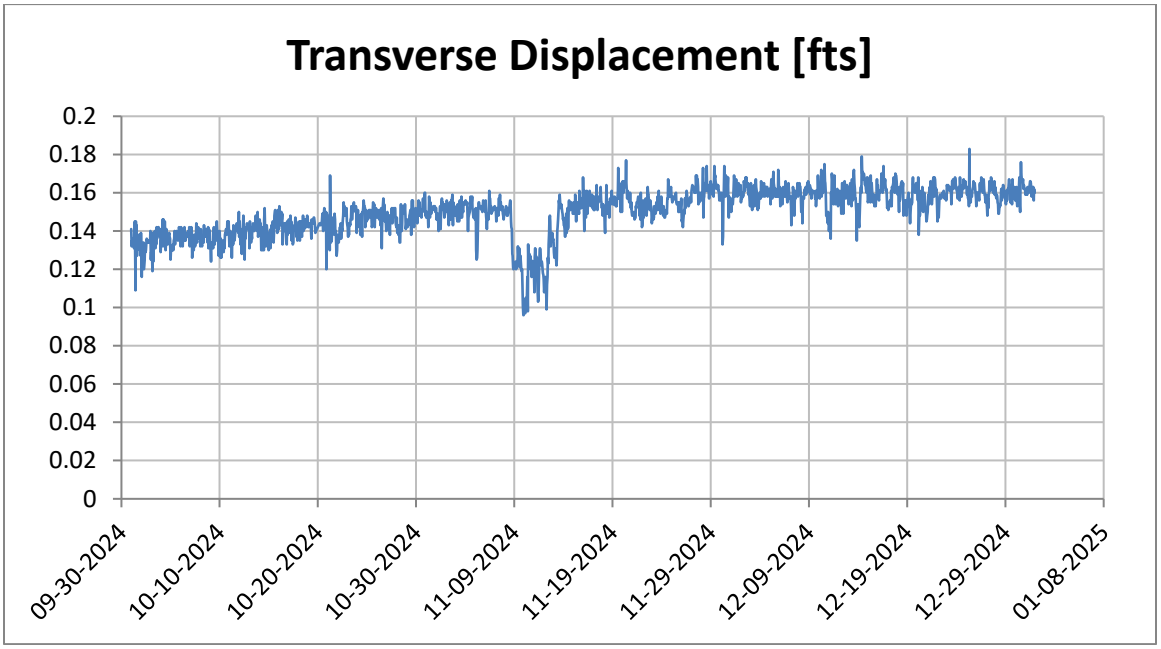


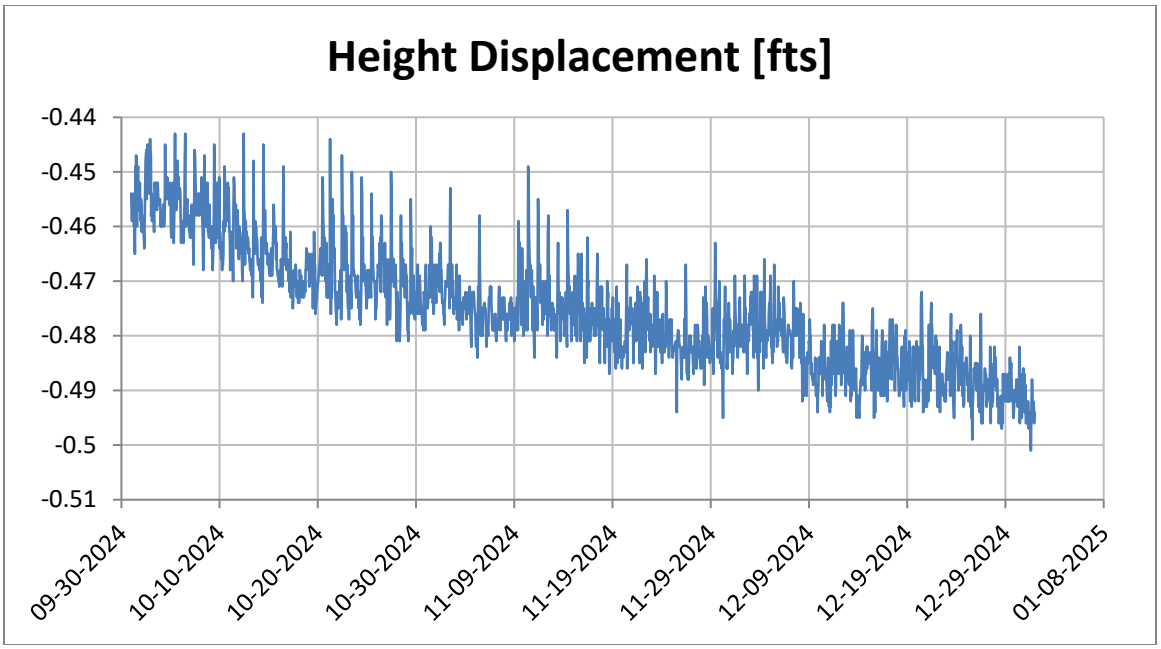
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism B7400-3



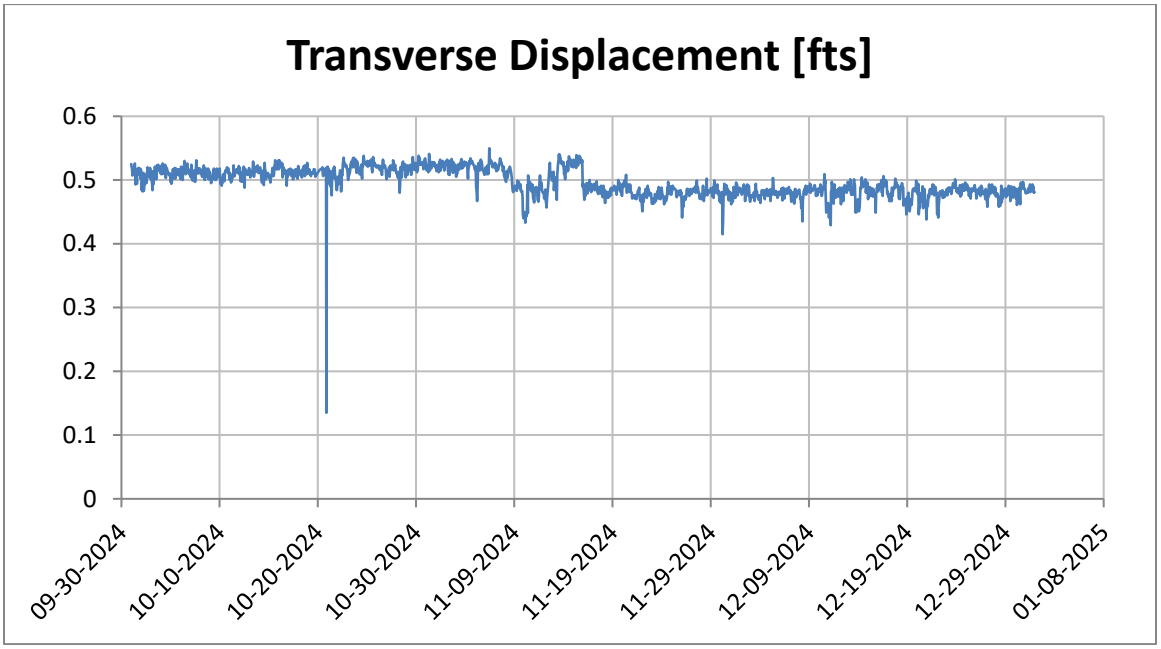


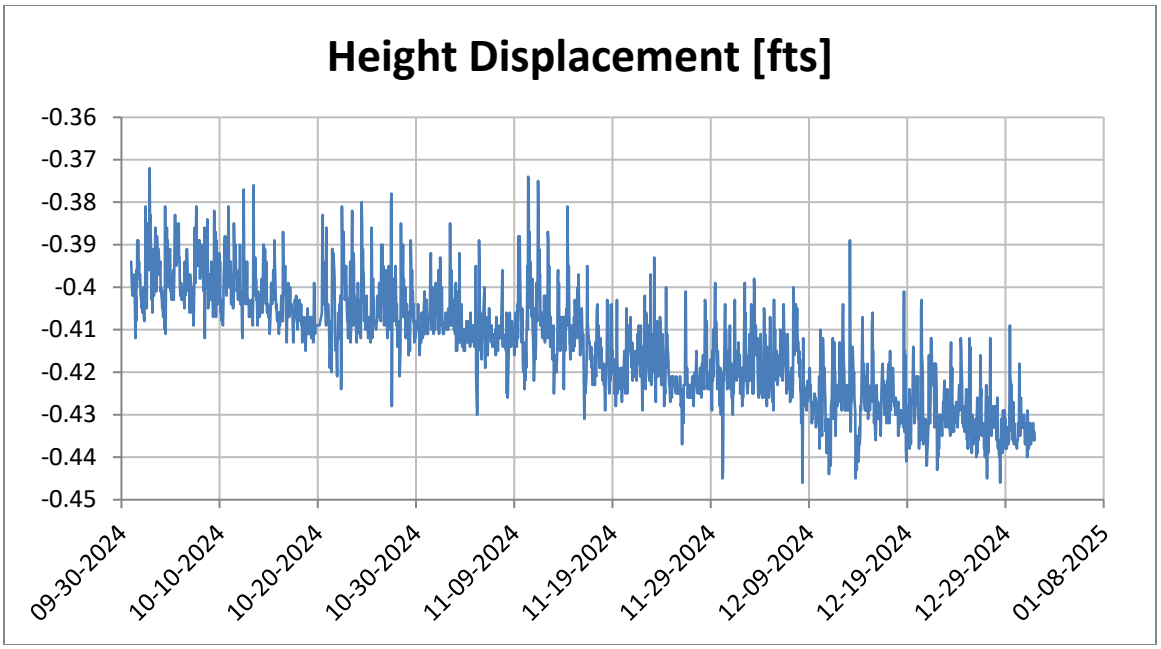
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism B7400-4



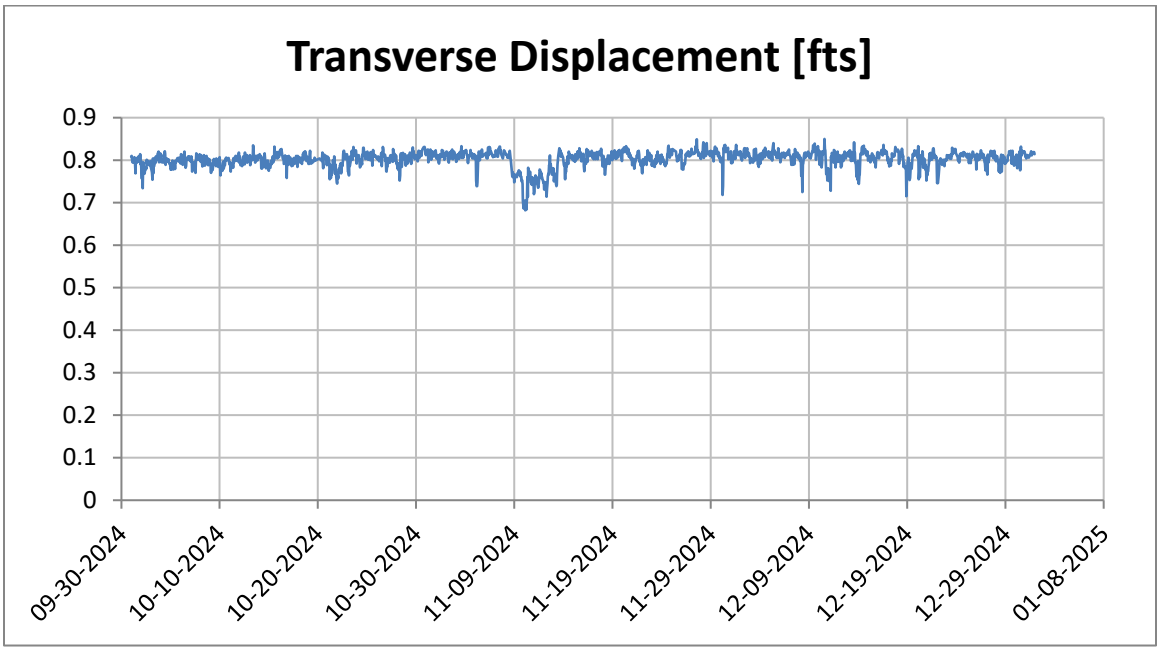


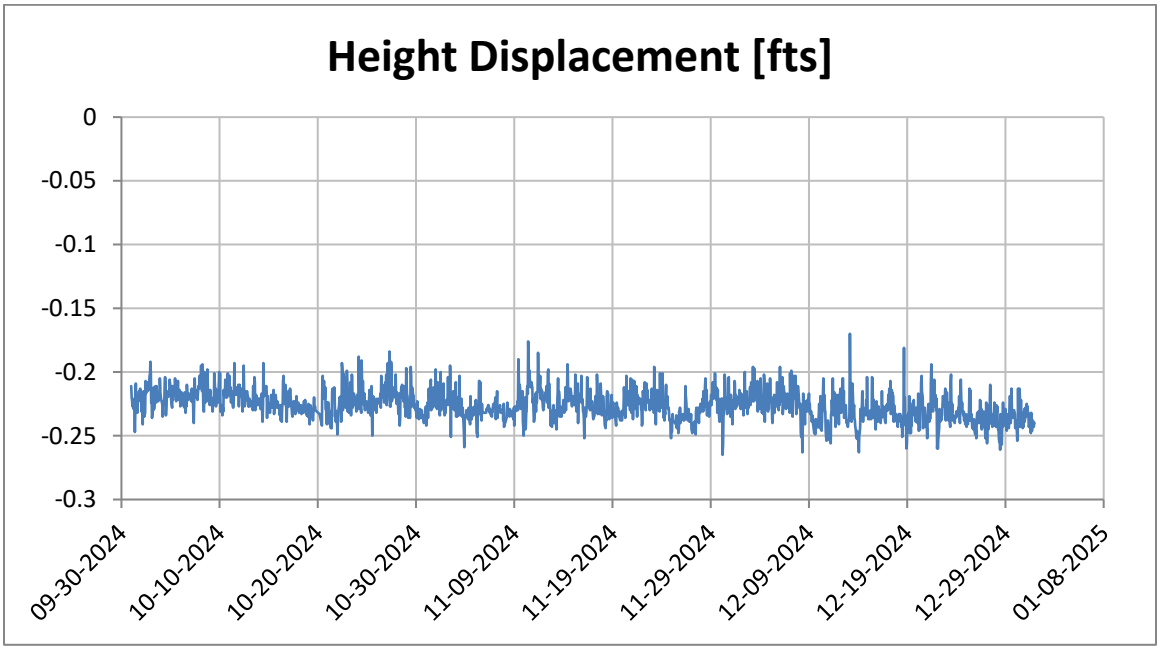
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism B7400-5



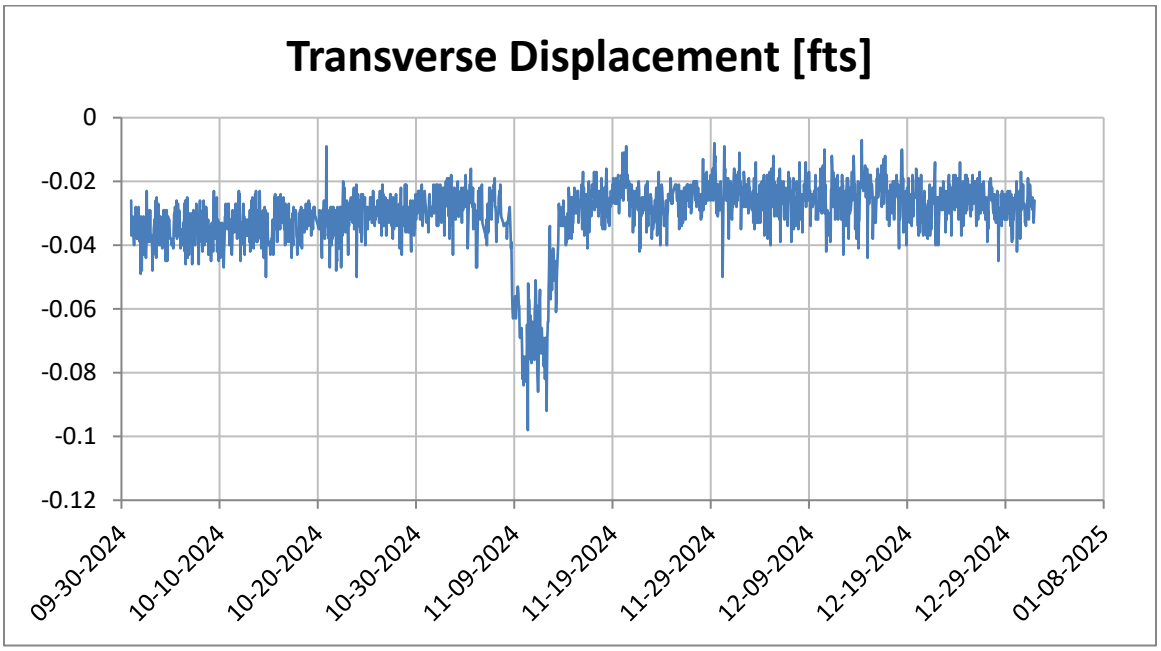


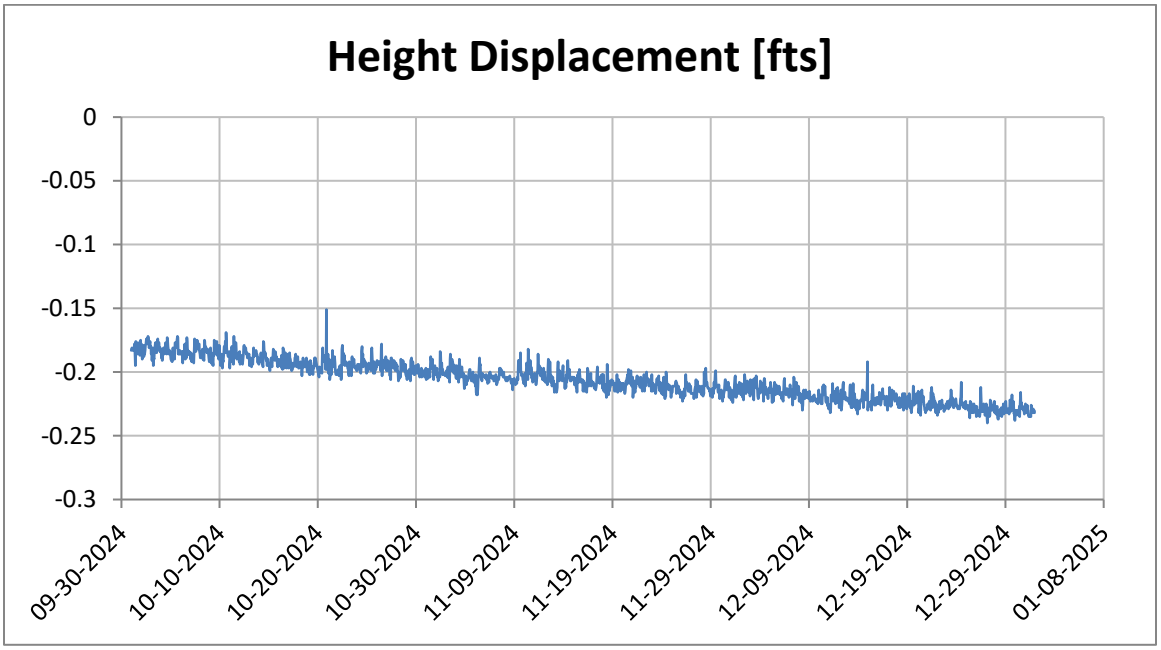
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

B7500-1



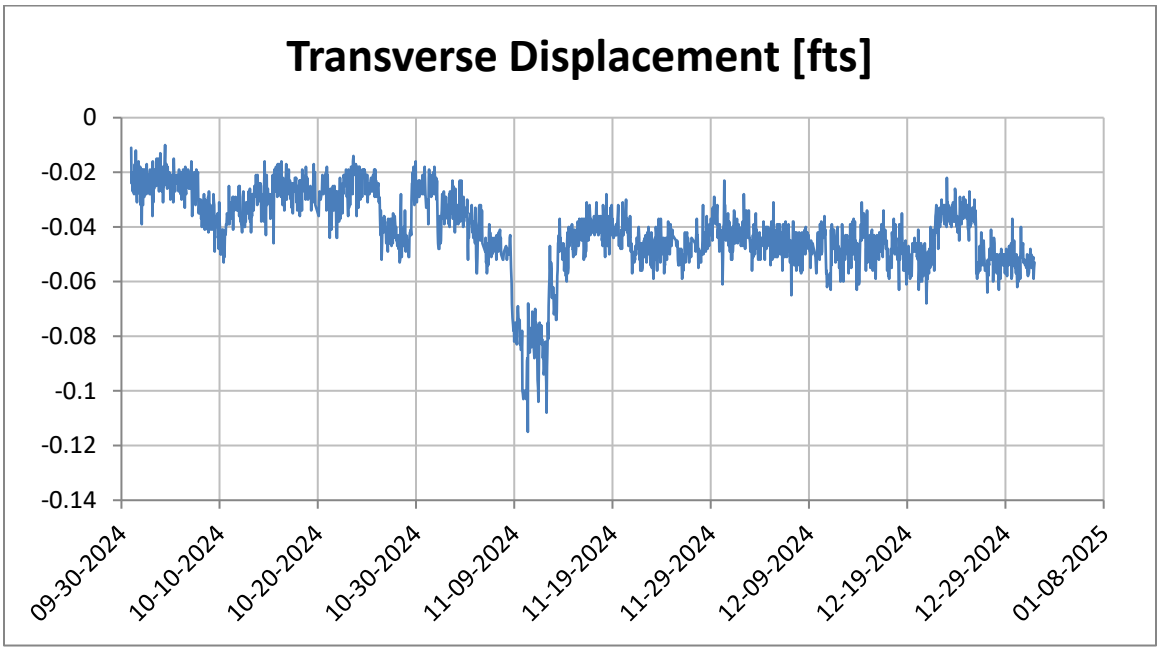


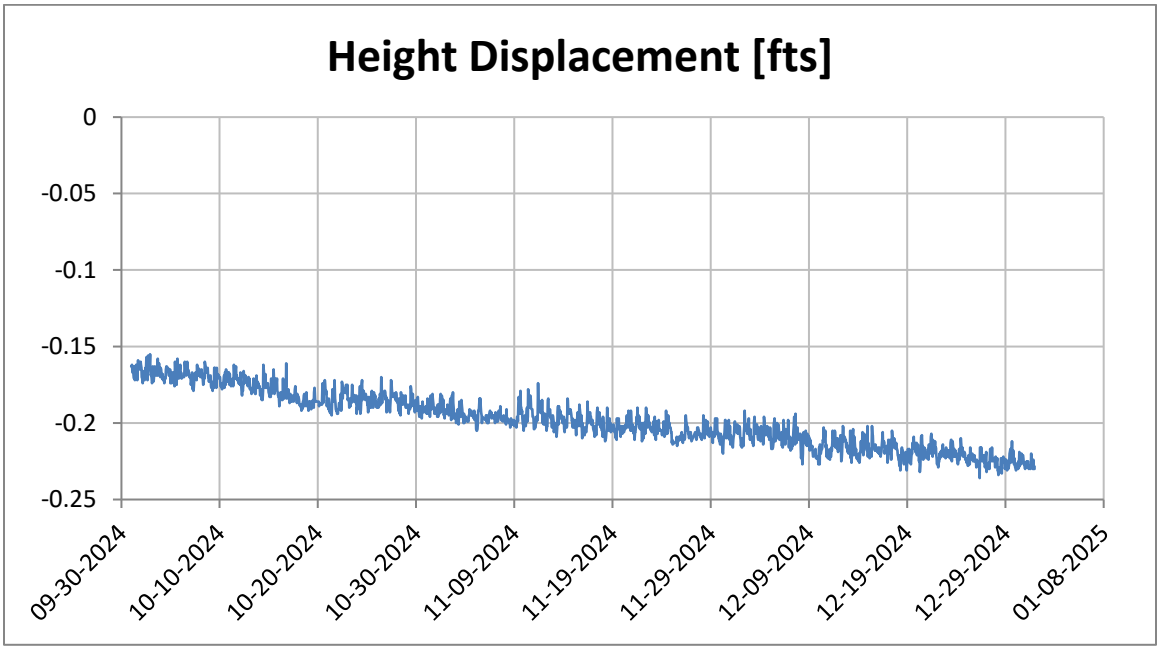
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

B7500-2



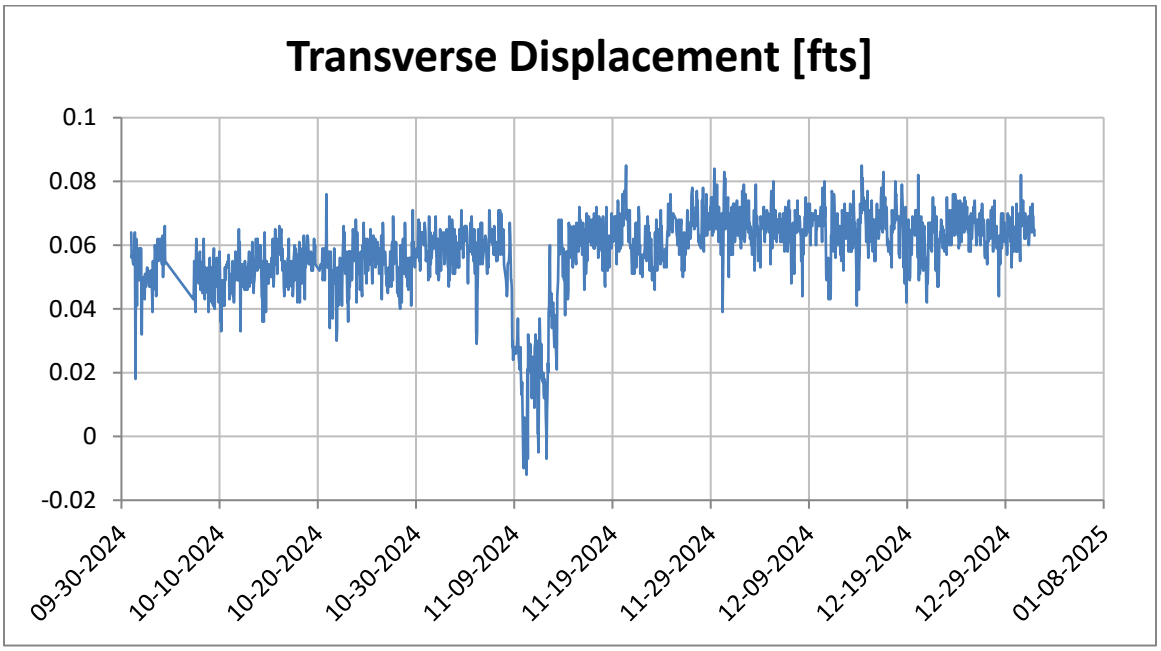


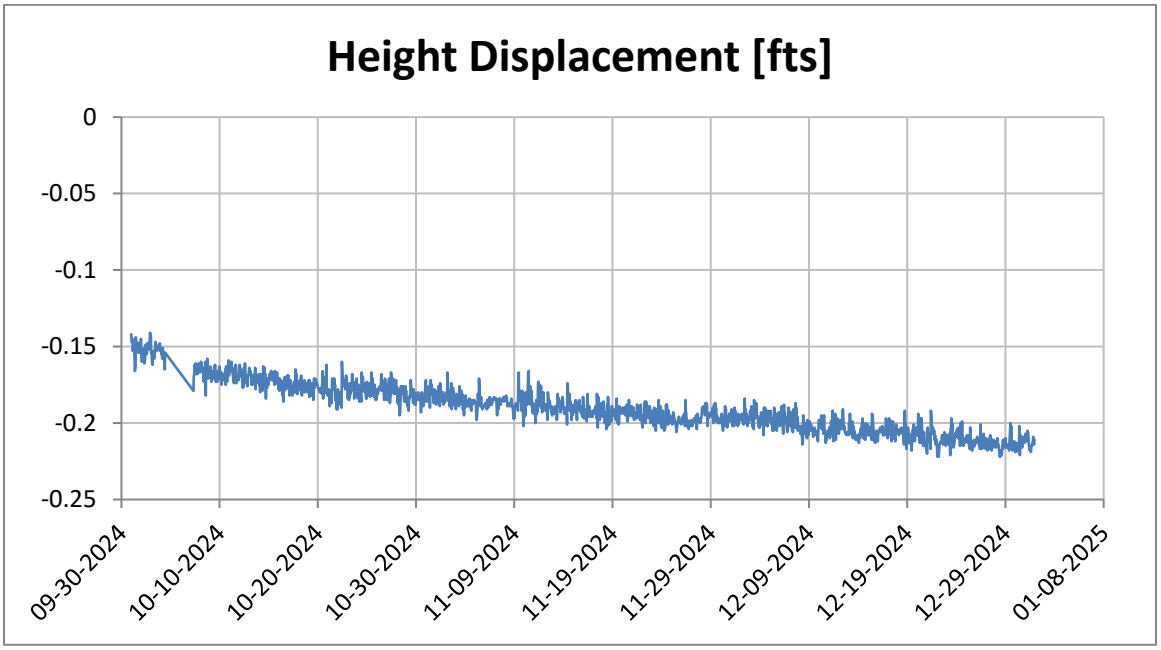
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

B7500-3



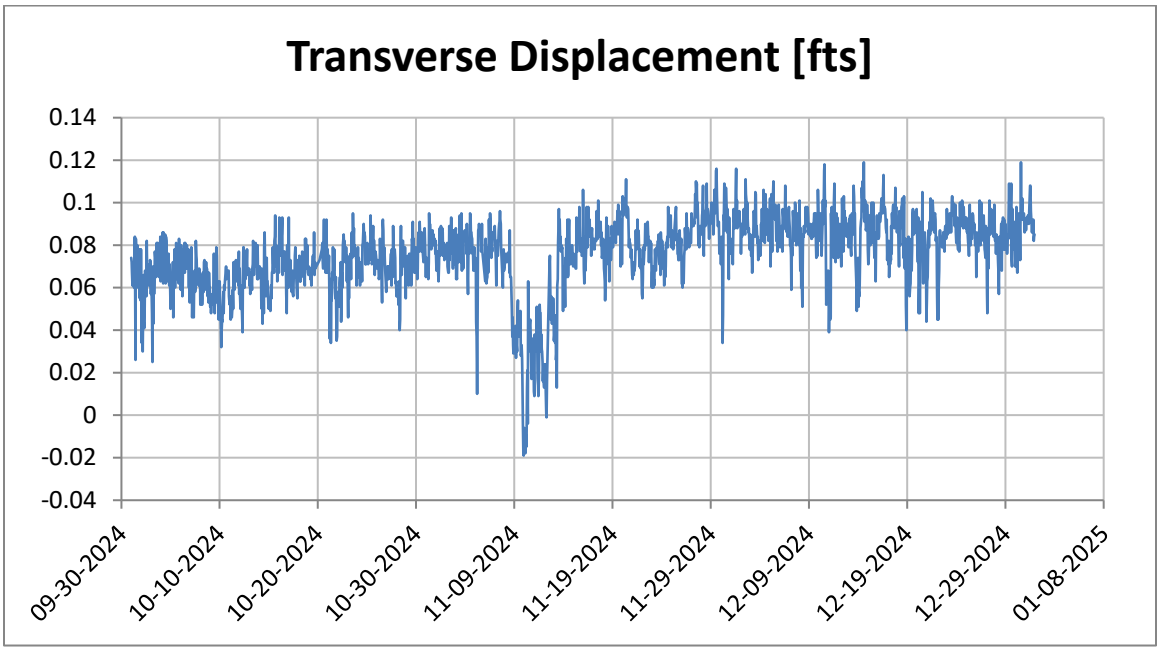


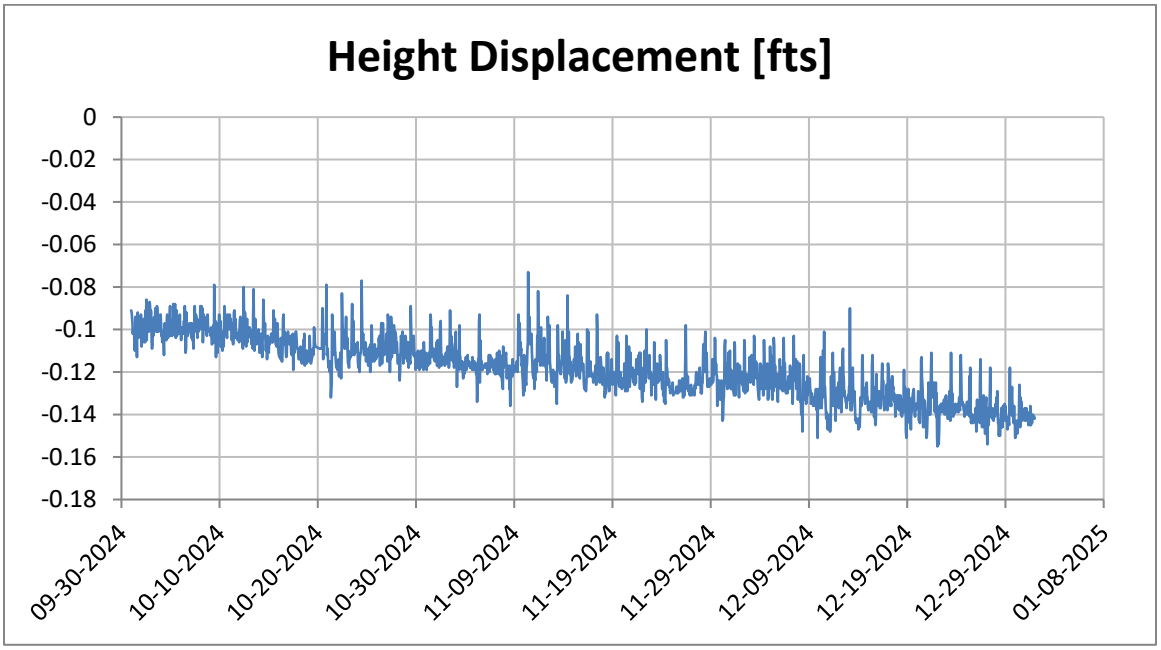
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

B7500-4



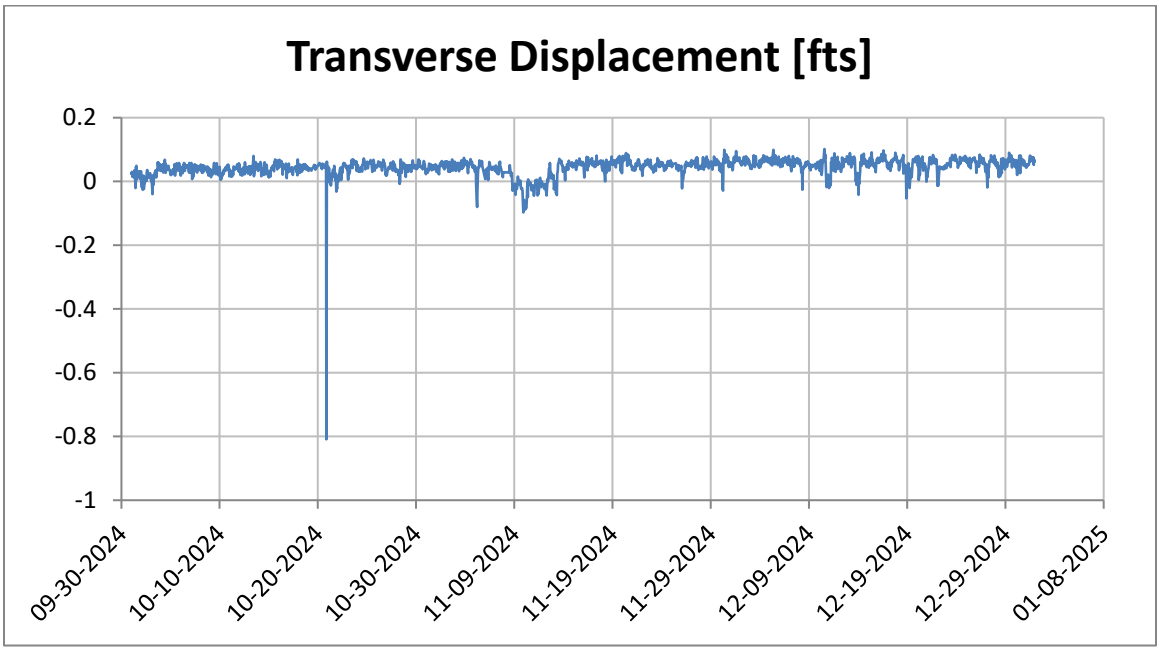


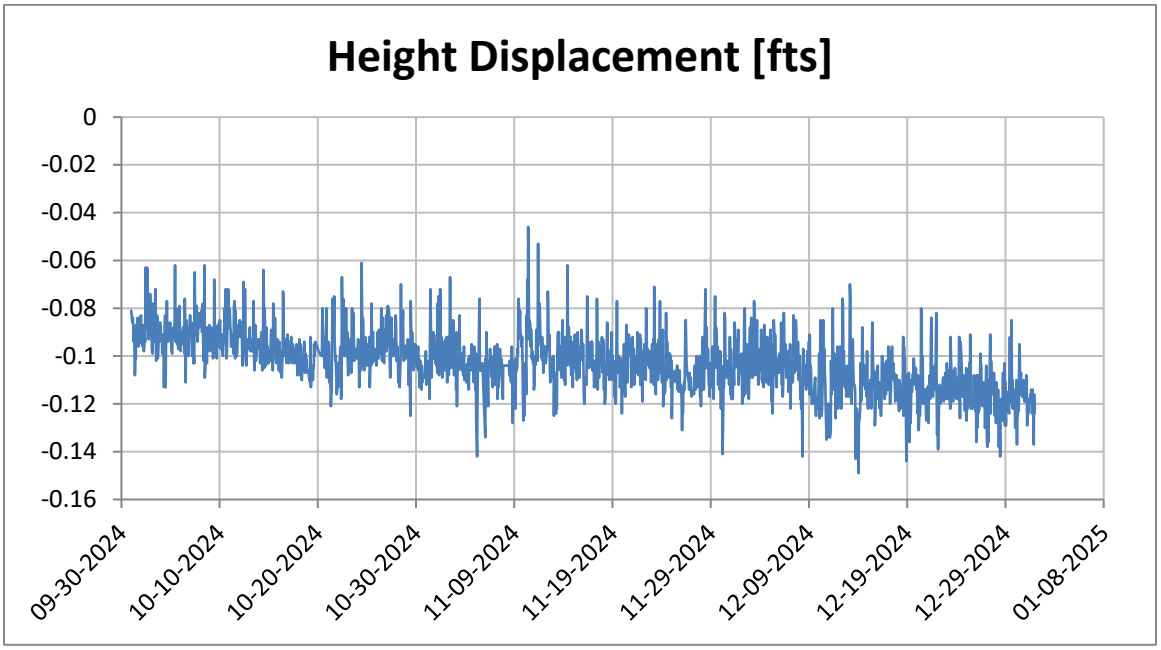
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

B7500-5



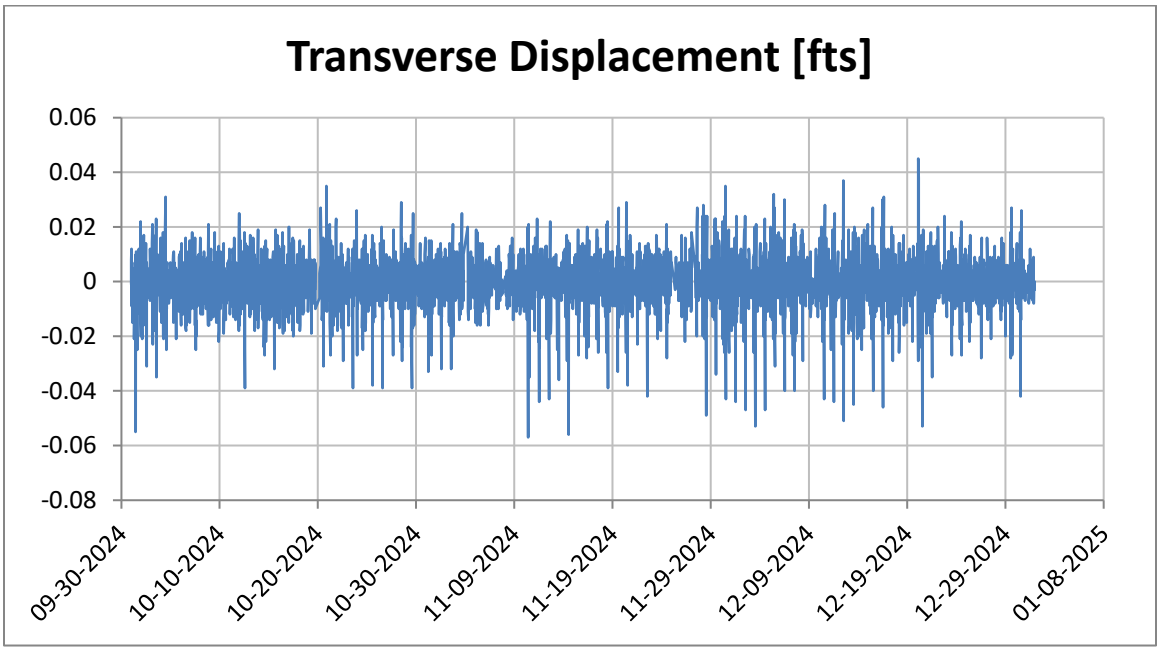


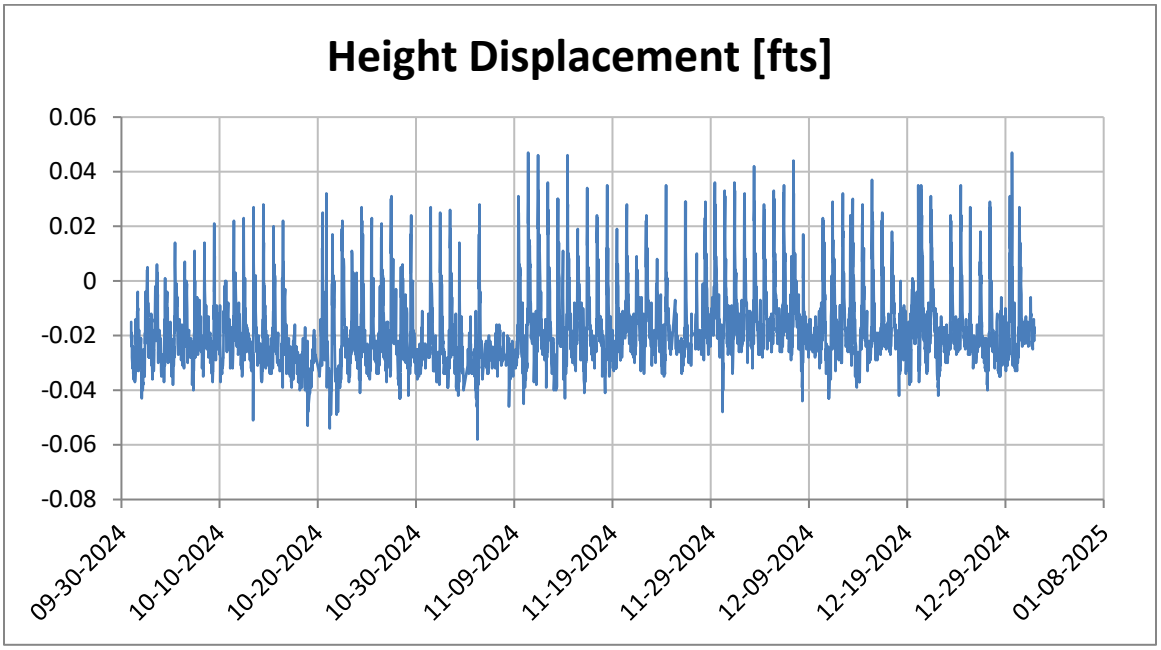
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism CP6



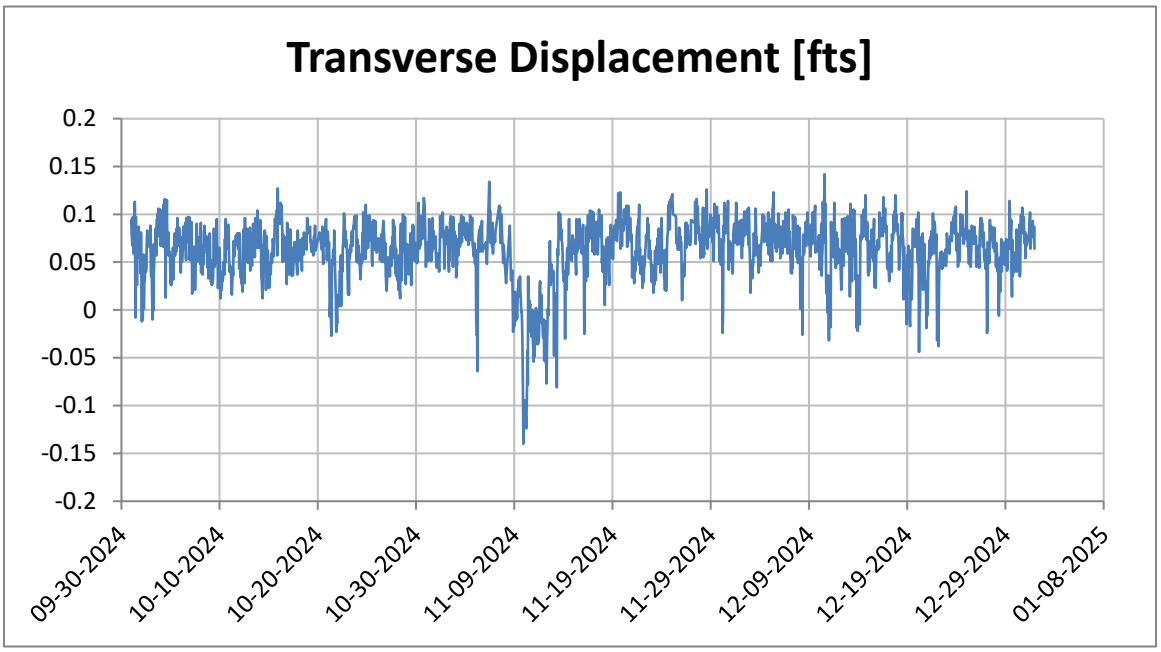


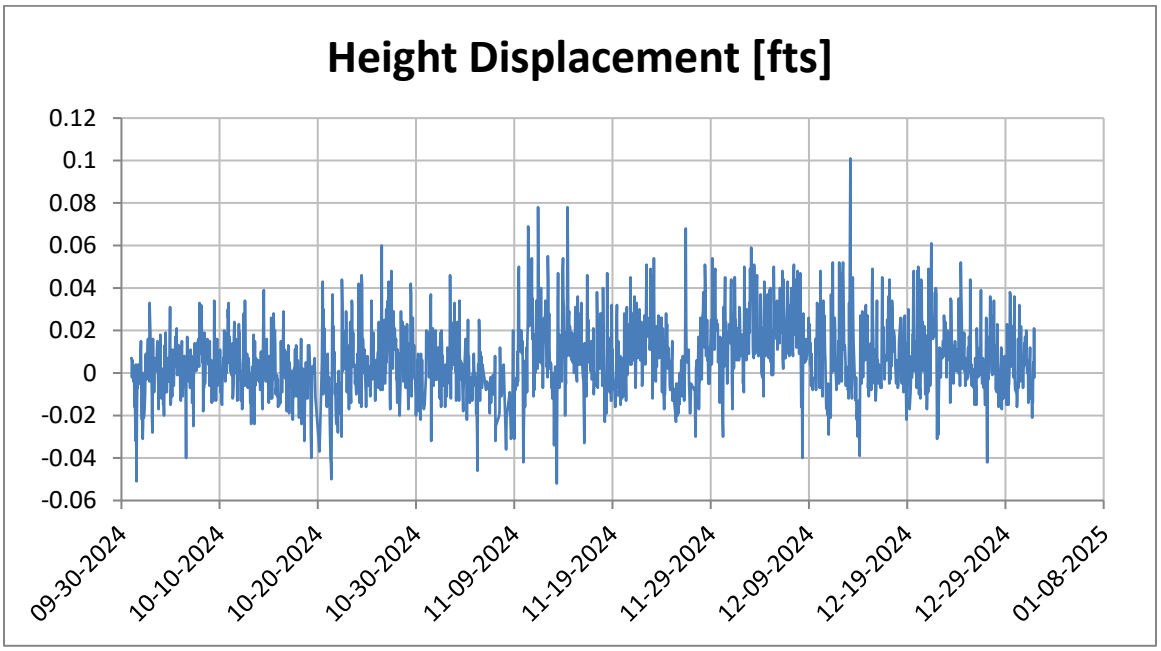
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism CP7



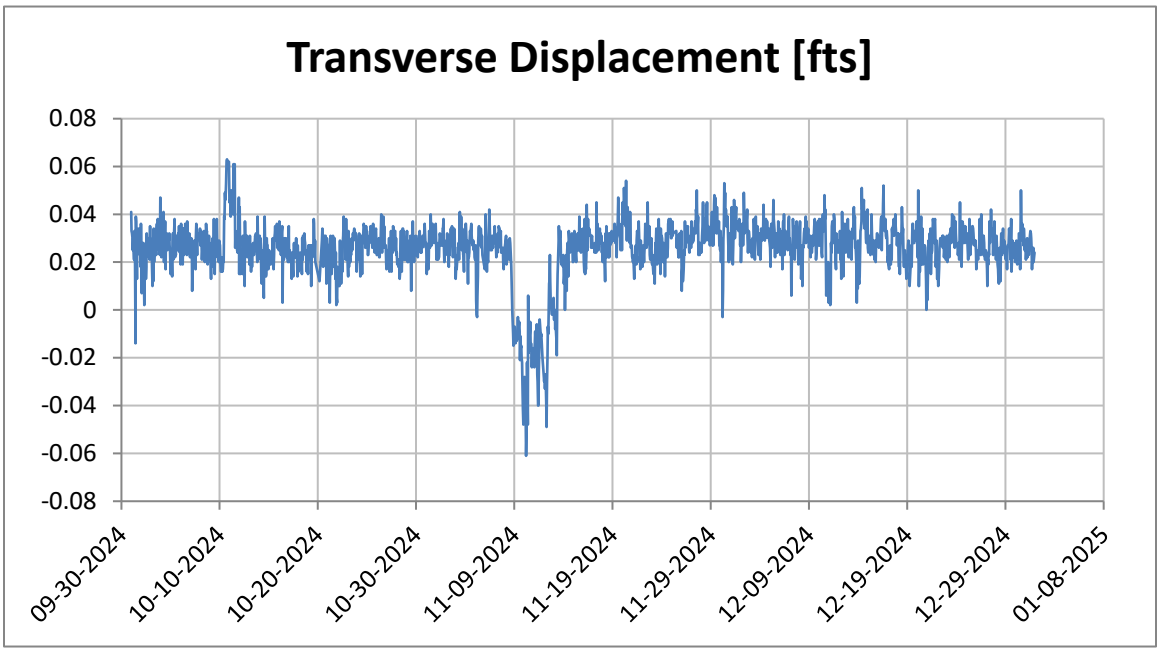


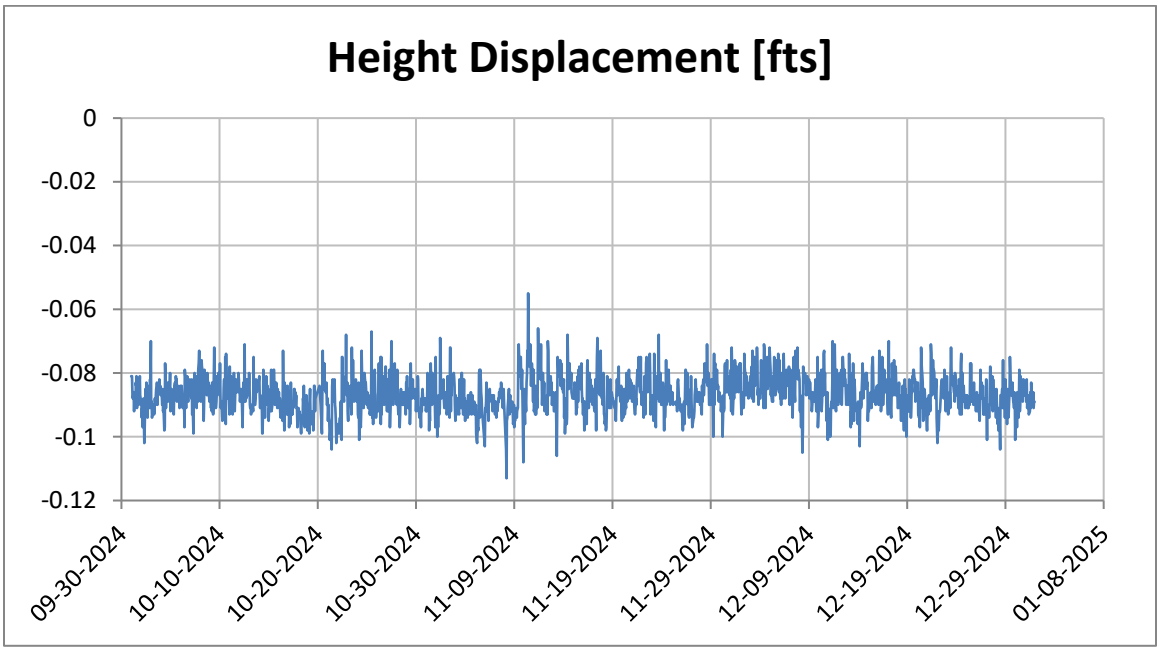
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism NP4



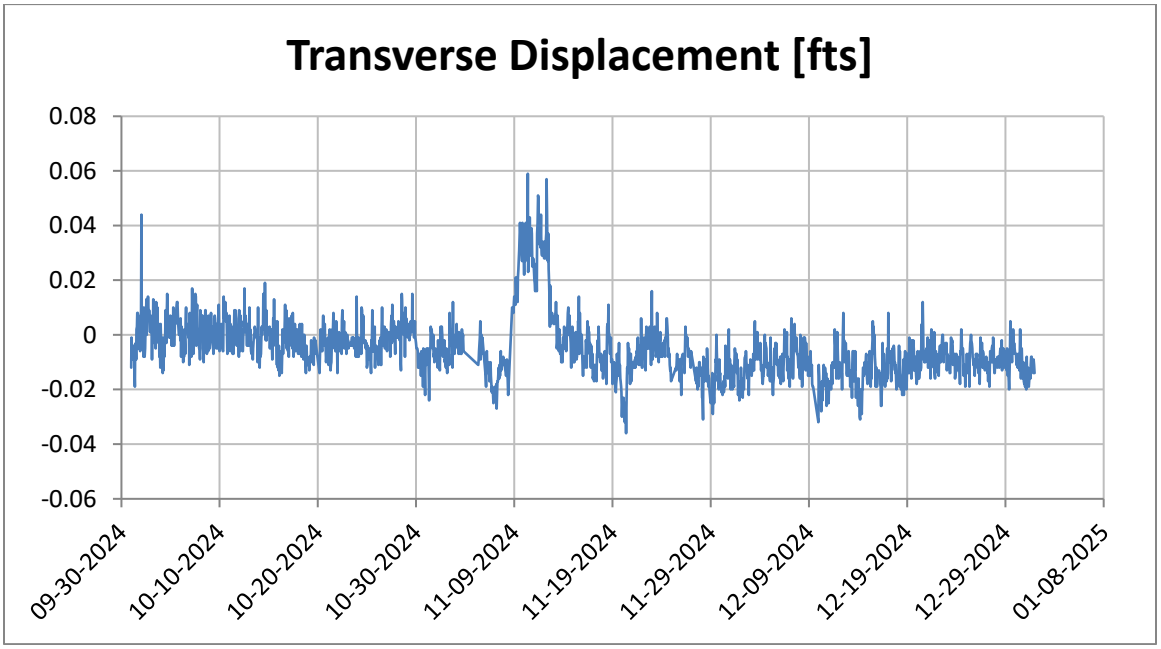


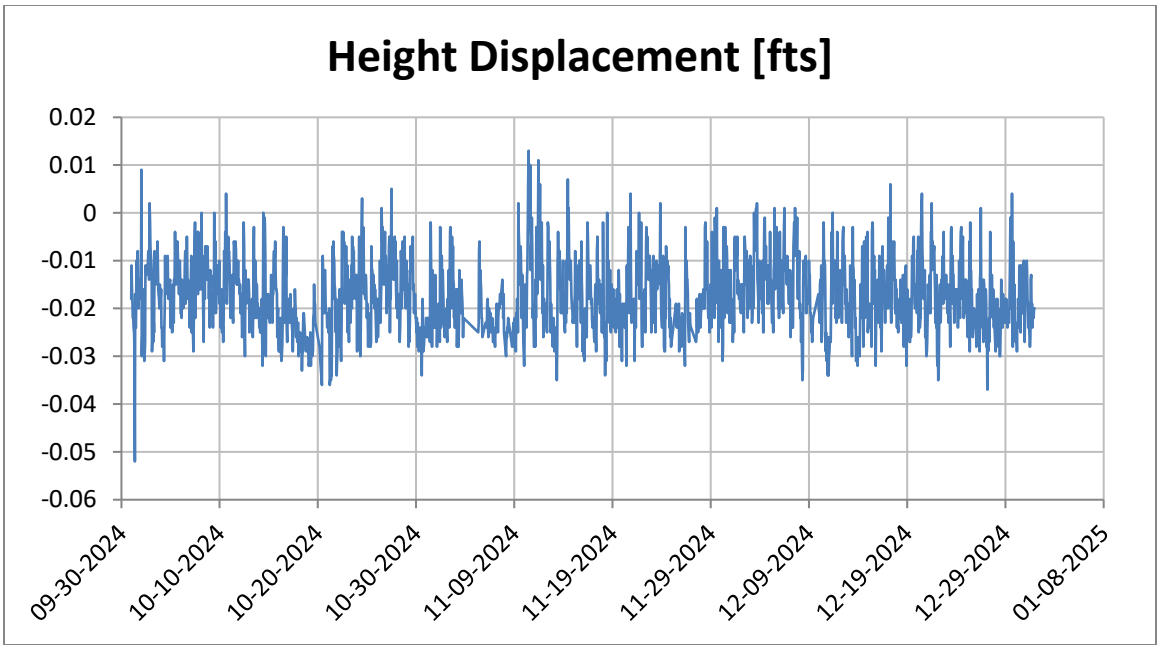
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism P2



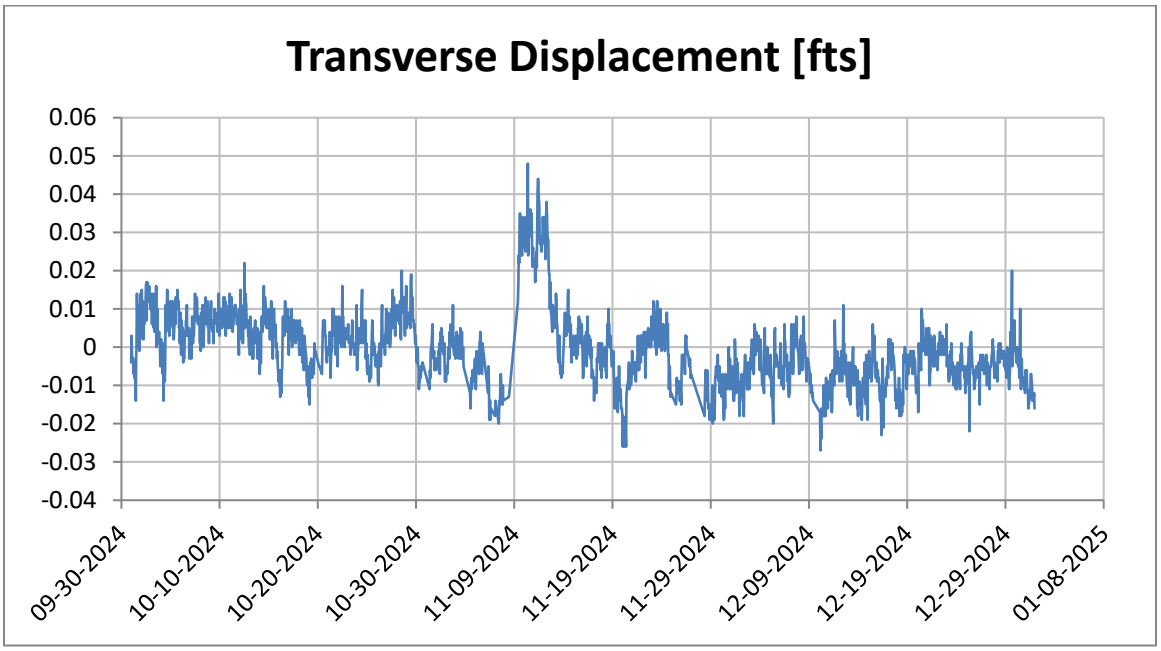


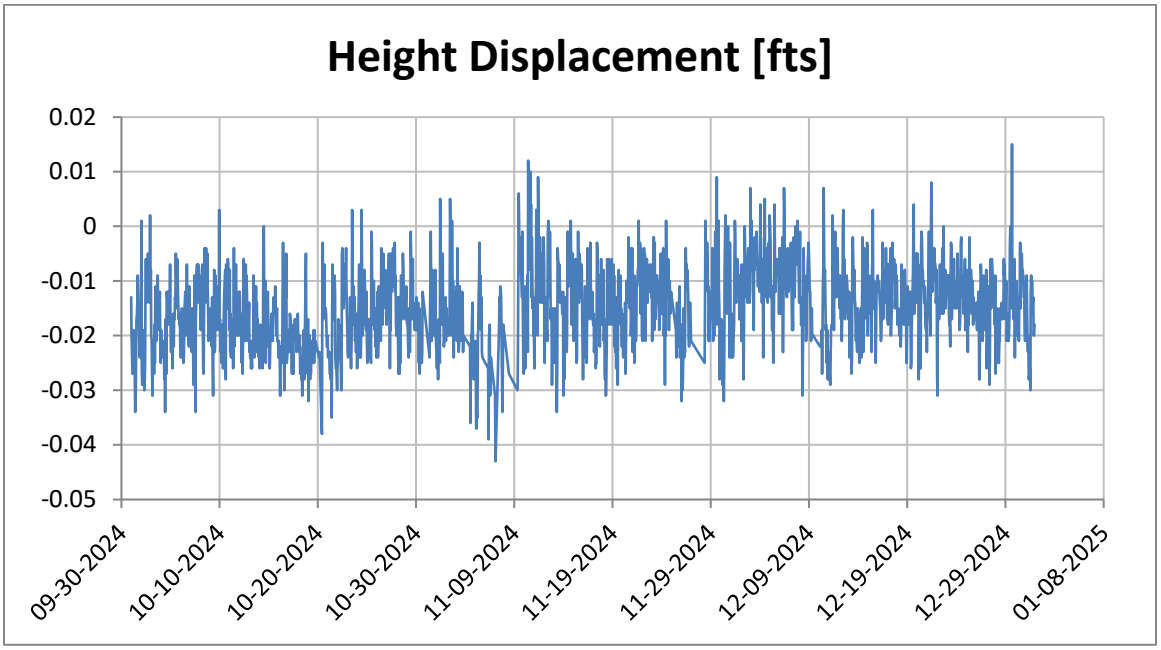
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism P5



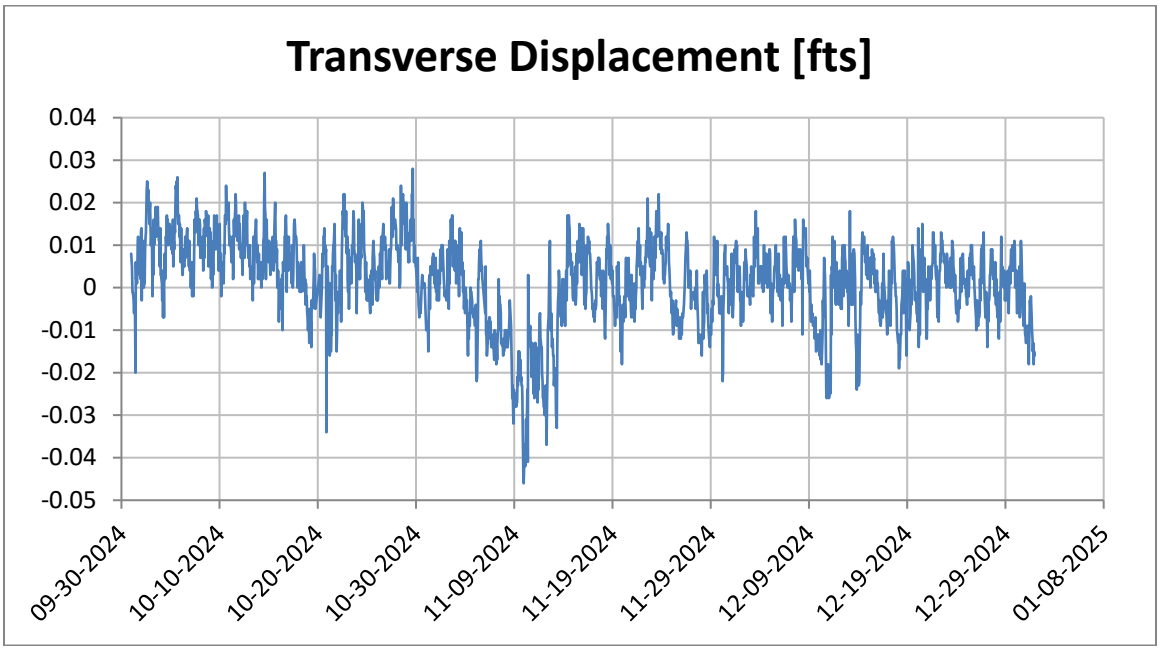


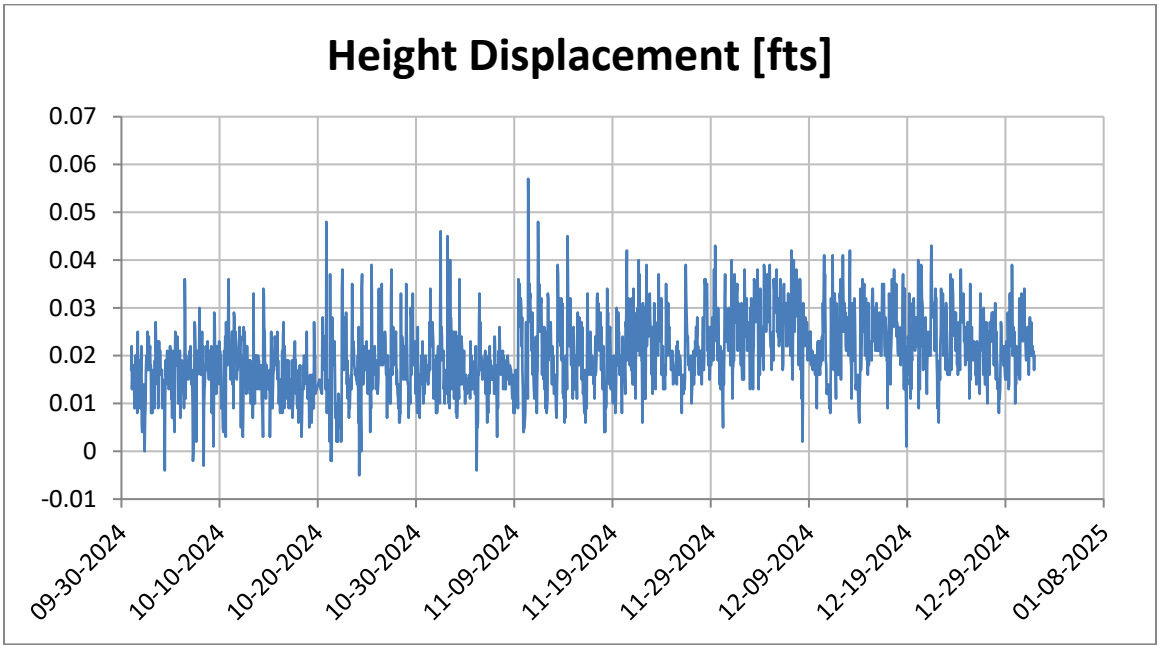
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism P25



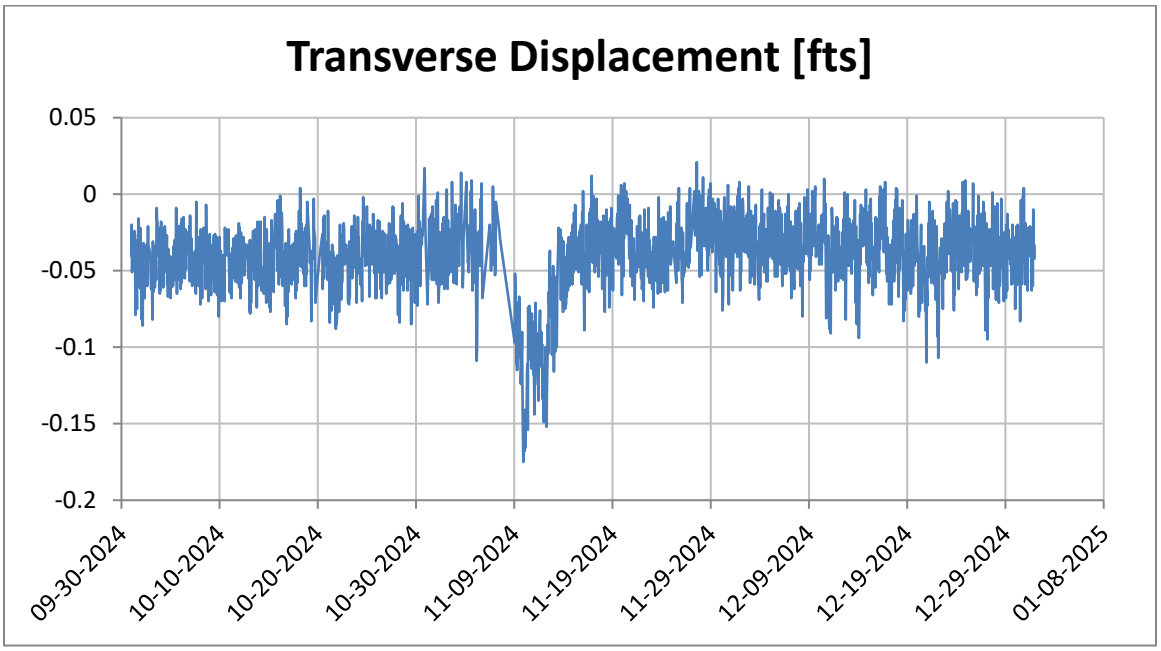


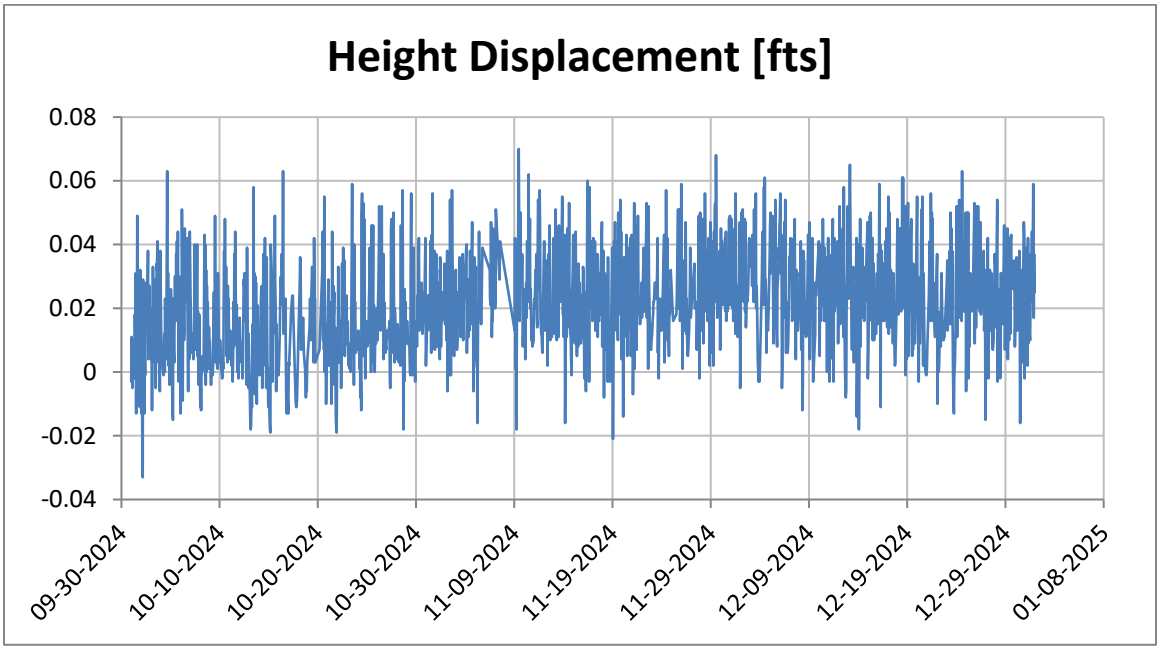
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism P32R



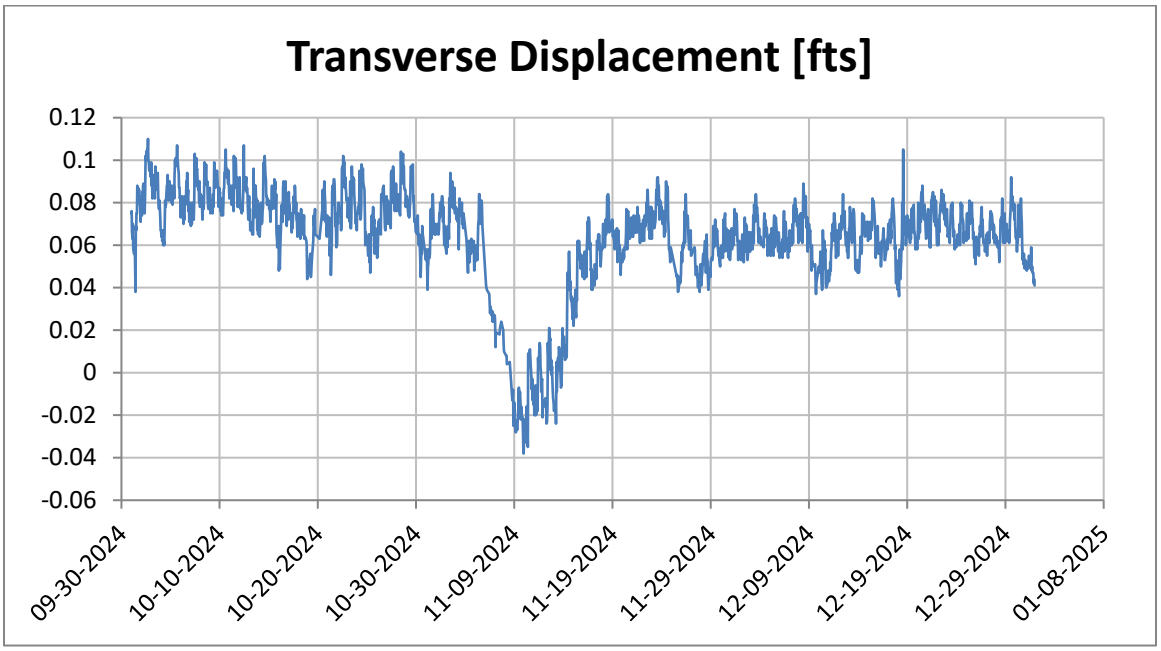


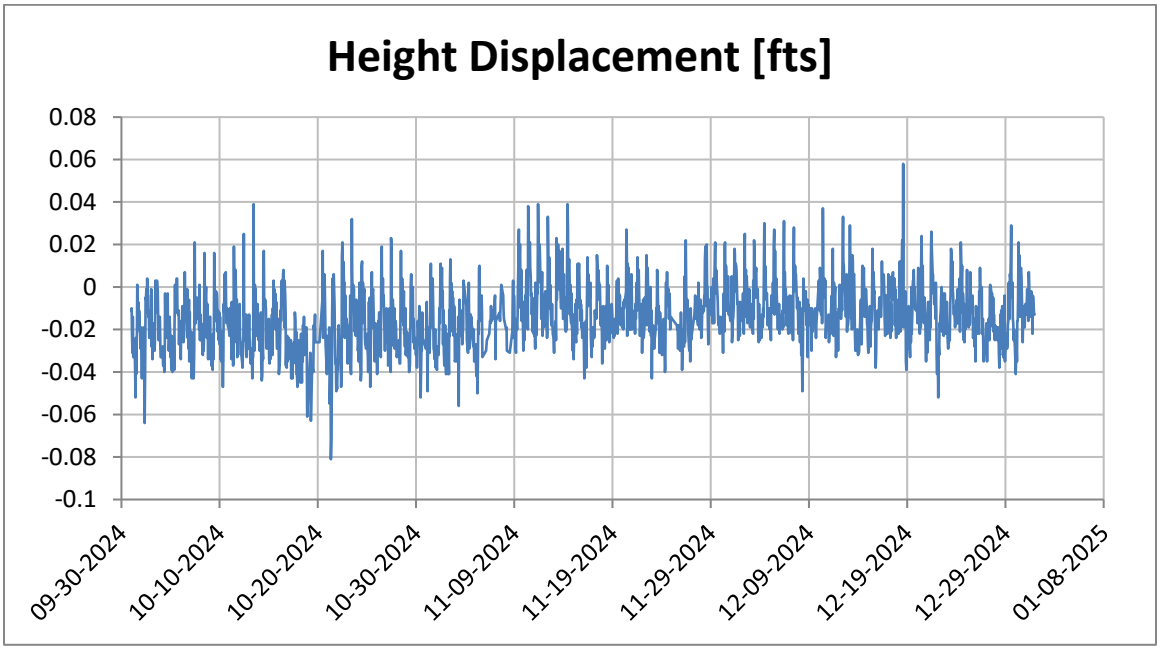
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism P33



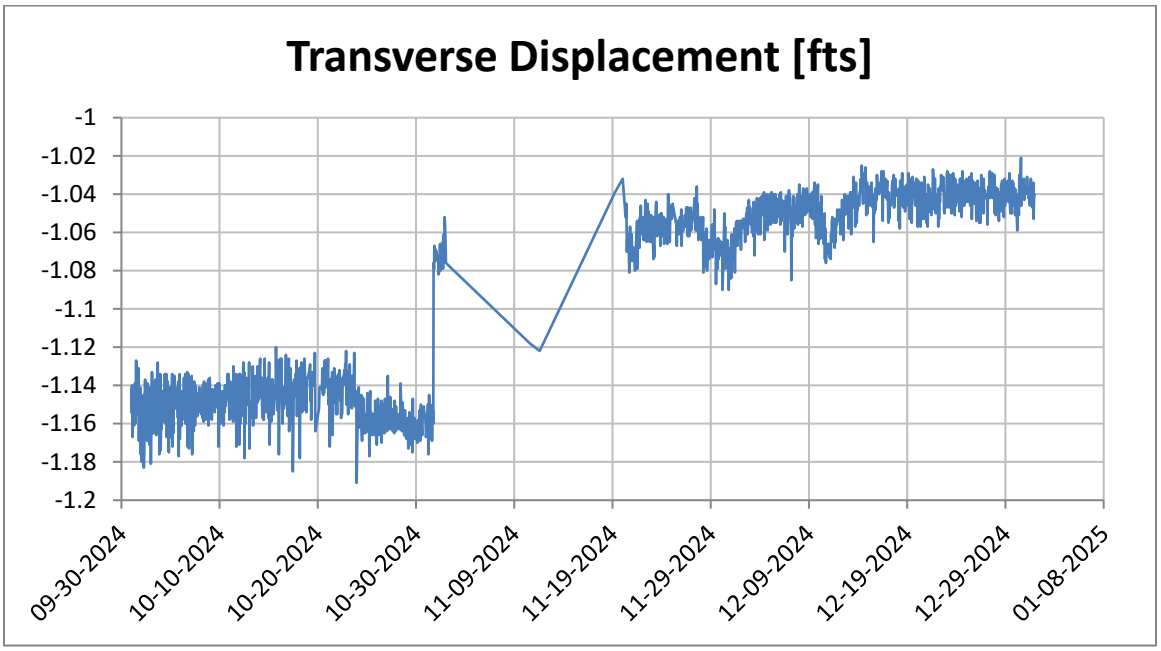


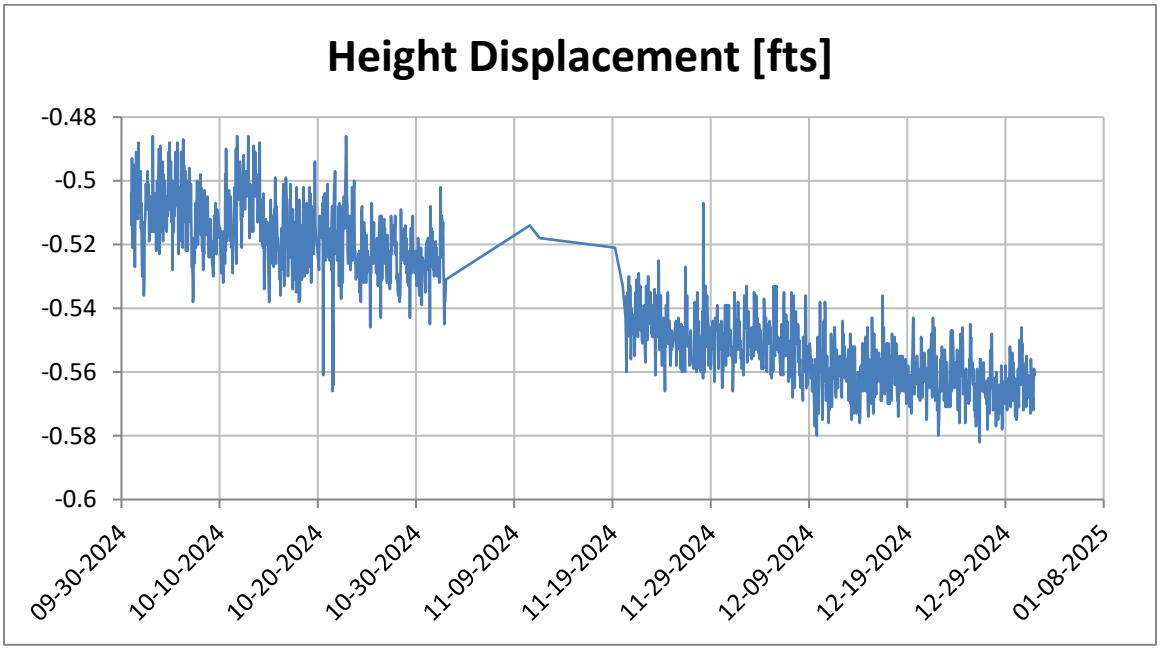
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism P70R



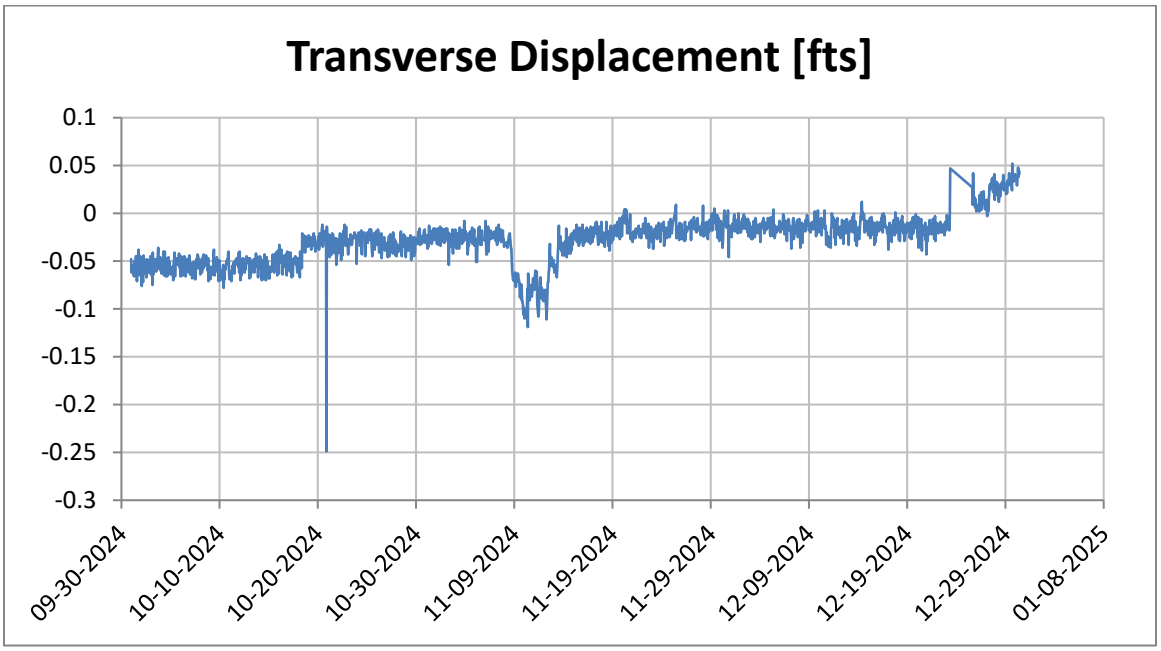


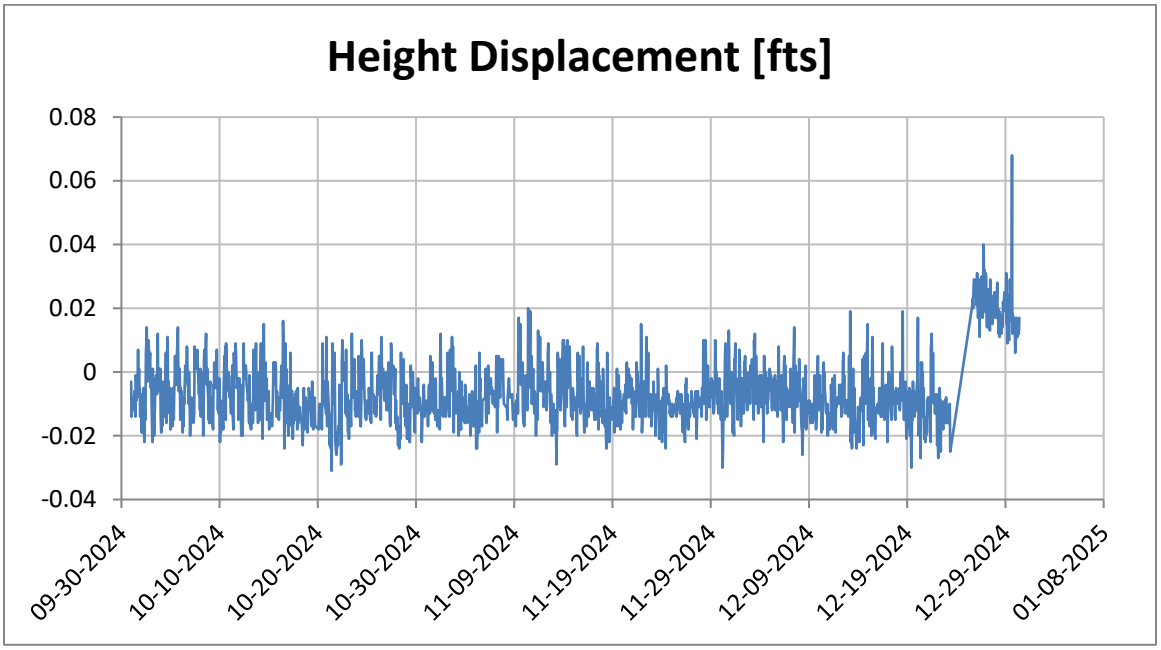
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.
5. Prism impacted by wildlife causing missed readings from November 9 to November 20.

Stantec

Prism B7700-1



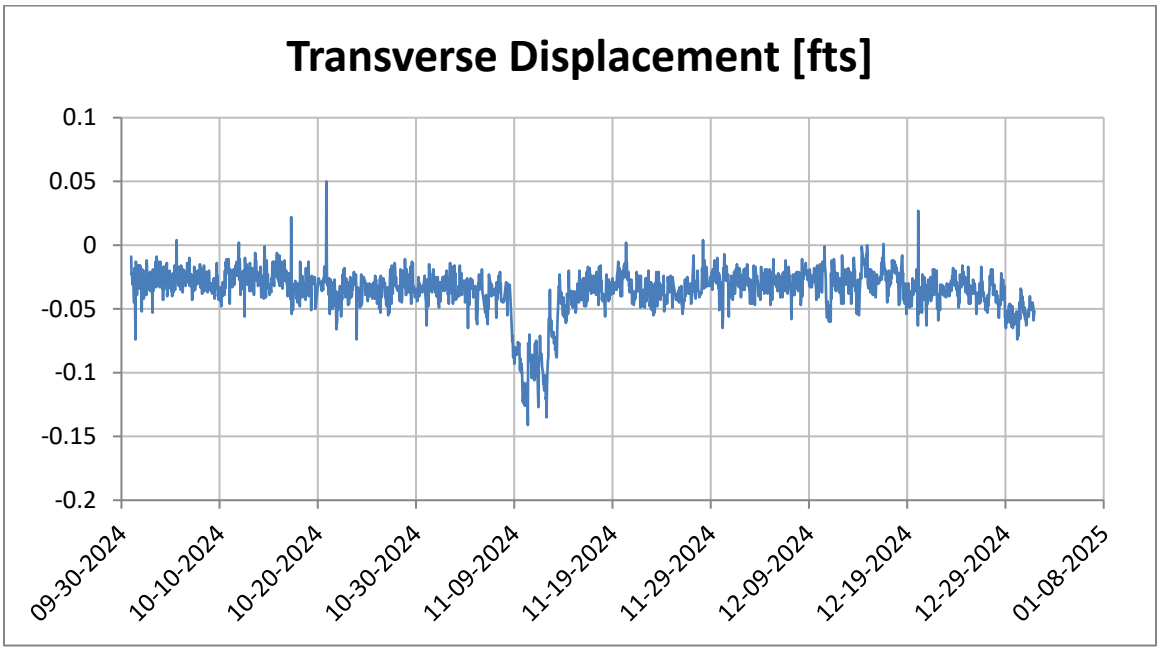


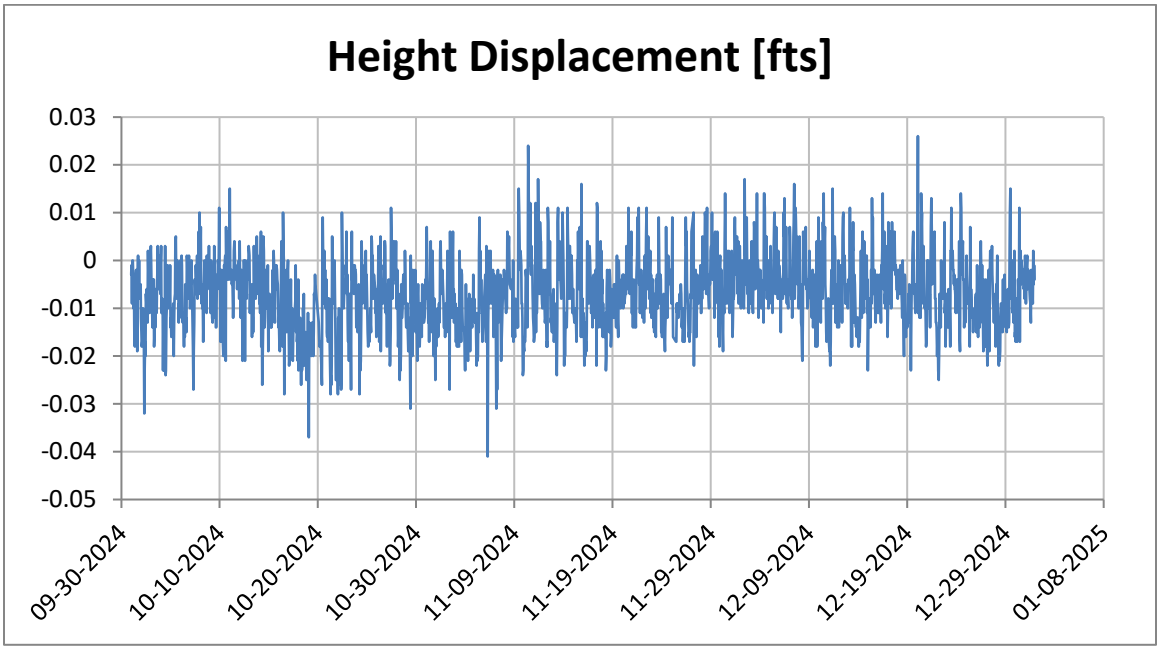
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.
5. Prism impacted by wildlife in December.

Stantec

Prism B7700-2



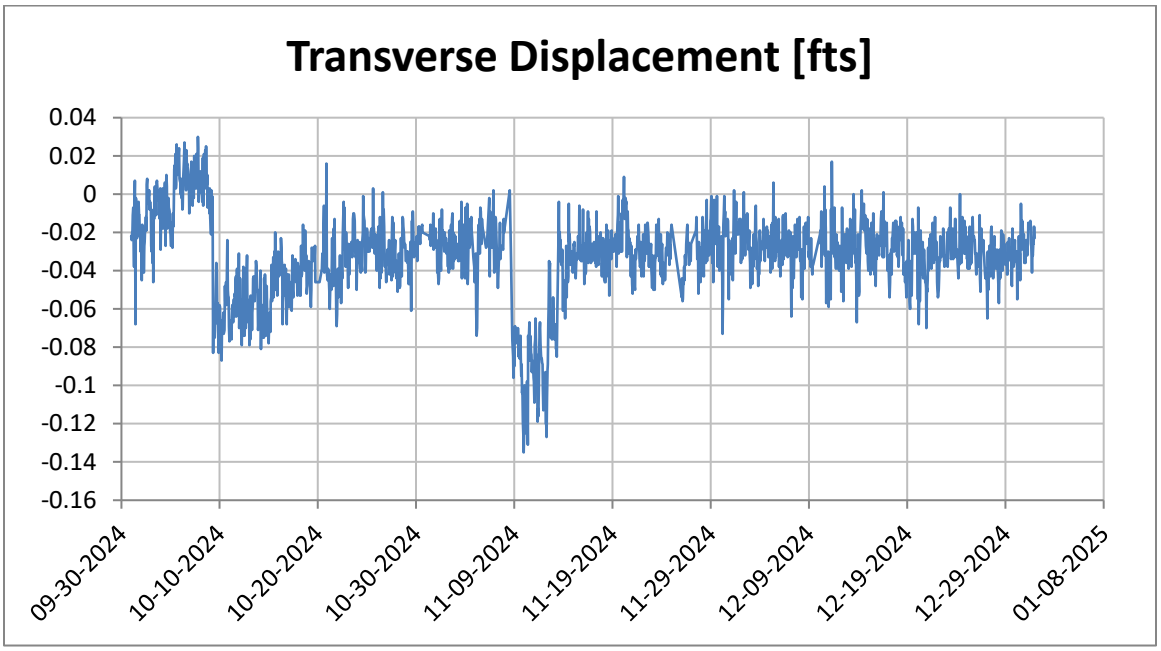


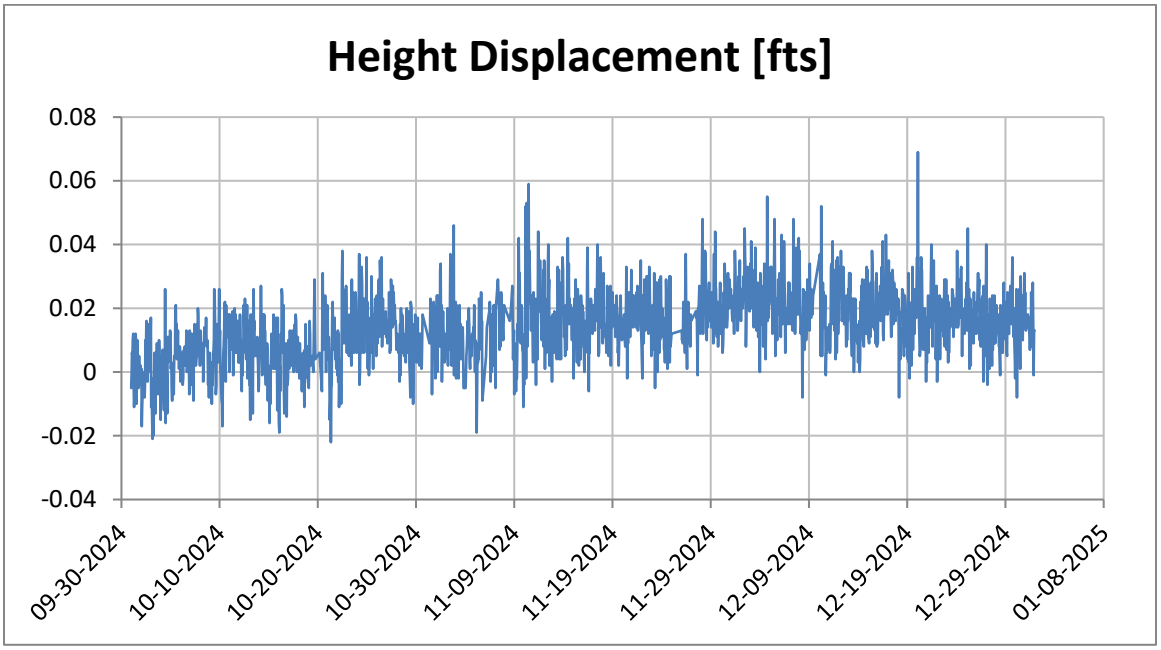
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism B7700-3U



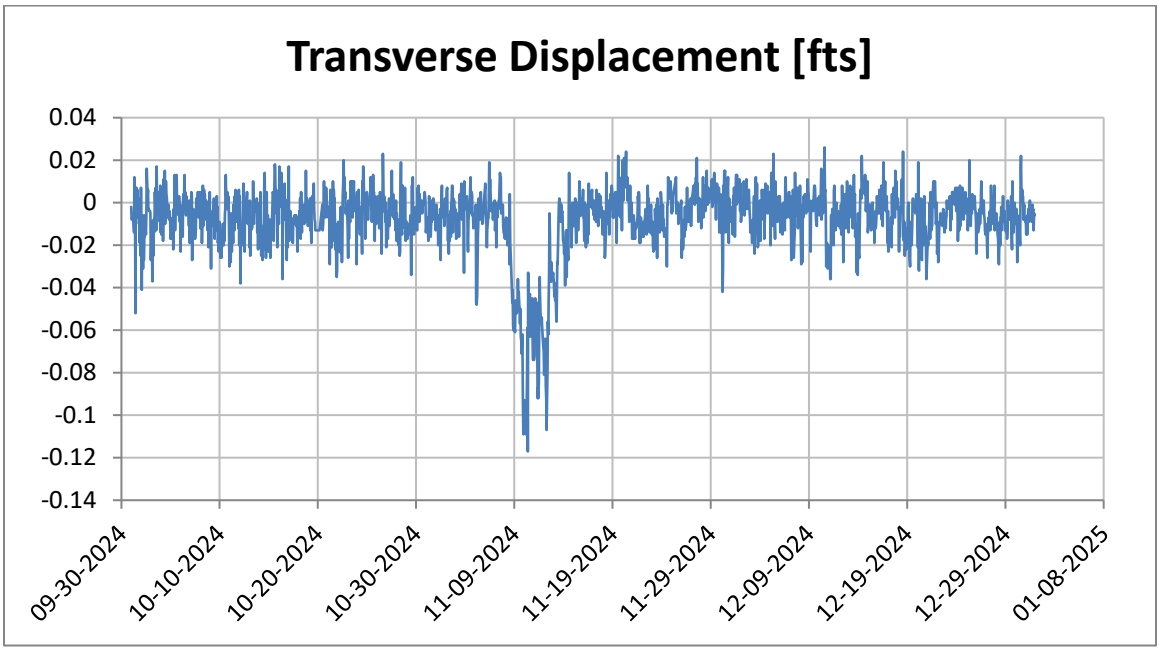


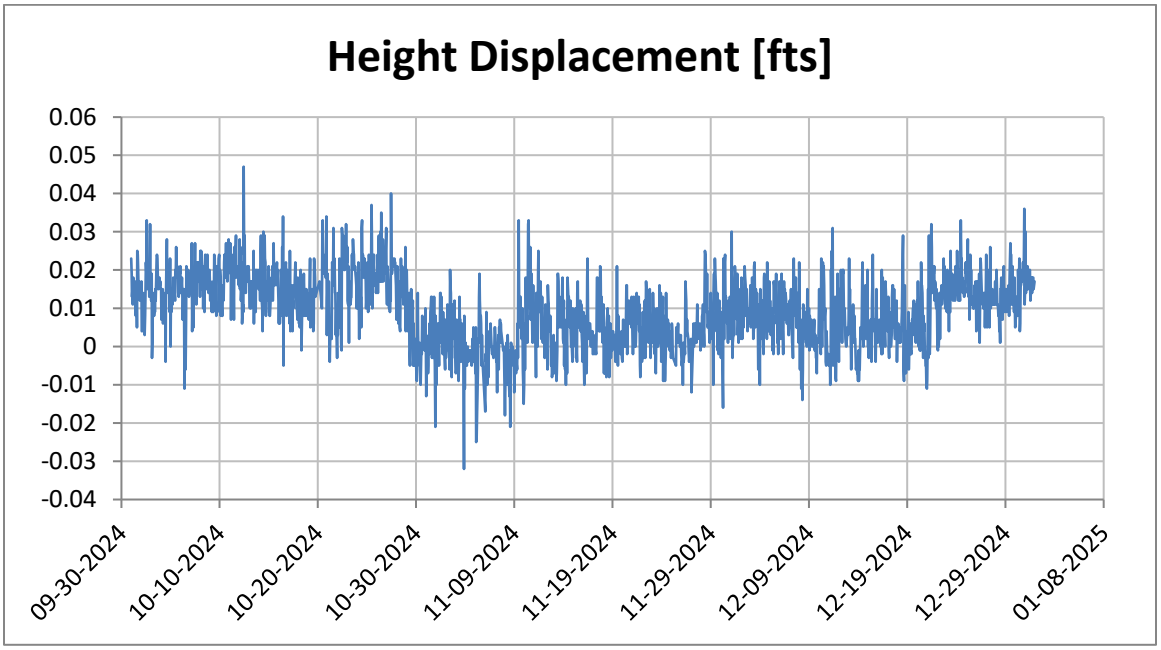
Notes:

1. Survey accuracy is +/-0.016 feet.
2. Alert threshold is +/-0.35 feet.
3. Transverse displacement is in the horizontal direction. Positive direction means closer to the robotic total station.
4. Height displacement is in the vertical direction. Positive direction means higher in elevation.

Stantec

Prism B7700-3L





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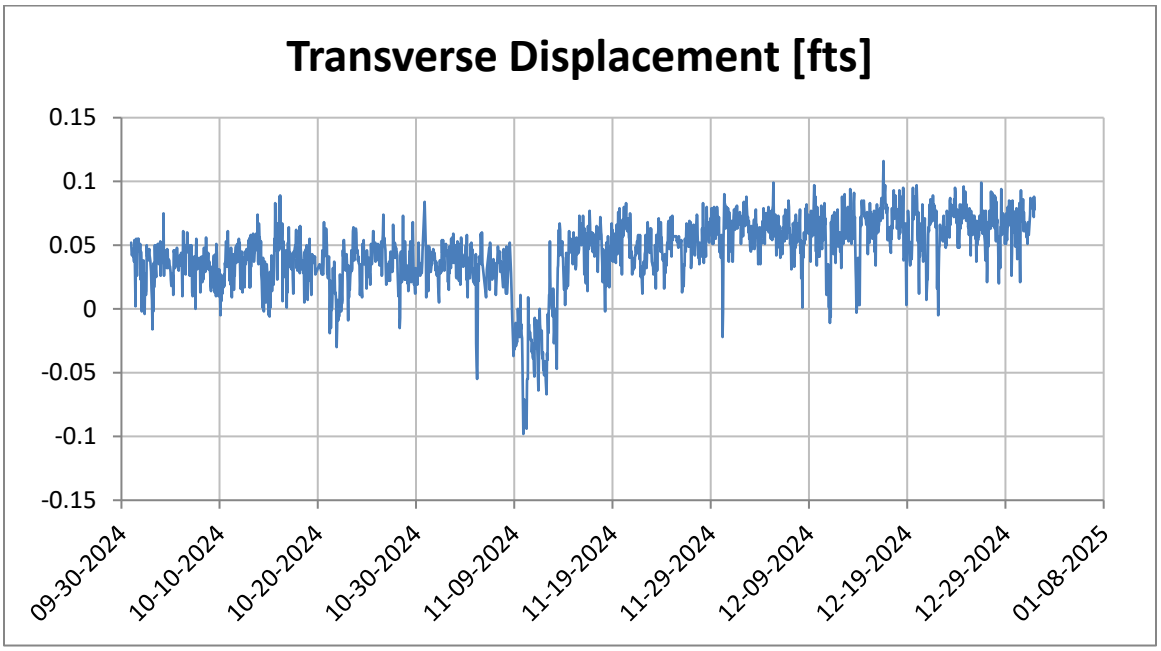
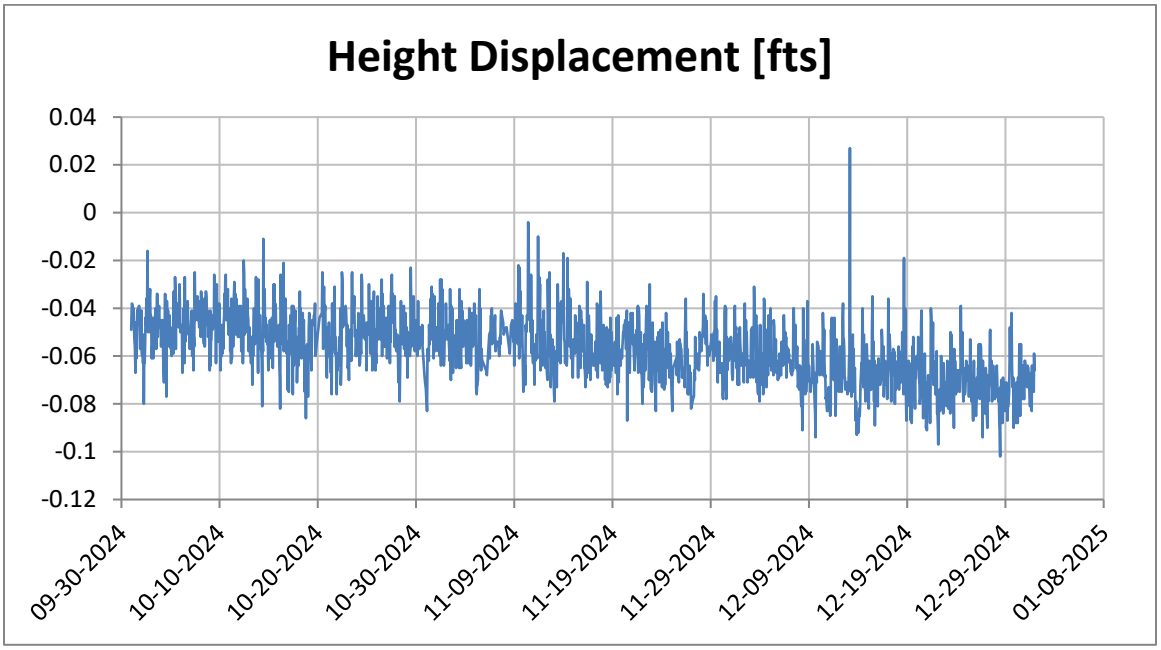
Stantec

Prism B7600-5





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