

**TSX/PAZ Satellite Update**  
**InSAR Subsidence**  
June 17, 2024

Lonquist comment:

As a follow-up to the report for the June 17 TSX/PAZ measurements, we have received the below communication from TREA following an investigation of the data quality from the past few imaging dates. Their conclusions support the need to examine the upcoming data acquisitions before estimating changes in trend behavior. They have also noted similar anomalous movement in certain distant areas of the broader dataset that limit confidence in the data quality.

From TREA – 6/20/2024:

Our production team was able to take a closer look at the last few images in the TSX/PAZ descending data and the latest image (2024-06-17) has a high atmospheric contribution and high normal baseline (the distance between the satellite positions when the two images were taken). This may be influencing the previous image(s) and may be exaggerating the downward trend. This is further confirmed by performing multiple average time series over the AOI, where we note similar displacement trends in various locations. For this reason, we recommend waiting for the following 1 or 2 images (if the next acquisitions are better in terms of atmospheric influence, normal baseline, and coherence) to confirm any trends.