

Homework 3 physical model for WV-1

- Get image support data from the .zip file in given link
- For the two given image points, corresponding to control points A4, and A6, make the image to ground computation and obtain results in (lat, lon, height), (X,Y,Z) ECF, and, (X_utm, Y_utm) for zone 16.
- A4: 40-25-15.0951, 86-55-39.63017, 155.42m (hae), l=17411, s=10070
- A6: 40-23-51.29334, 86-52-29.66068, 166.14m (hae), l=22580, s=18683
- Show results of all intermediate steps
- Report the obtained ground coordinates of the 2 points, and show discrepancy in UTM coordinates: (X_utm_computed – X_utm_control, Y_utm_computed – Y_utm_control)
- Any comments about the discrepancies from prior step?
- More hints likely on Monday.
- Due Monday, 8 March