# Crater report 1848 of RG2

## General information

**ID :** 1848

**Study area :** RG2

**Swirl :** on-swirl

**Morphology :** Bowl-shaped

**Estimate state of degradation :** C

**Mean Diameter :** 104m ± 5.0m

**Mean depht :** 4.8m ± 0.4m

**d/D ratio :** 0.046 ± 0.004

**Circularity index :** 0.91

**Slope :** Between 5.8° et 8.38°

**Mean value of TRI on the rim crest :** 0.33

**Geometric center coordinates :** (3657466.5894931545, 221373.75021084424)

**Coordinates of the crater's lowest point :** (3657475.000001101, 221367.00000006528)

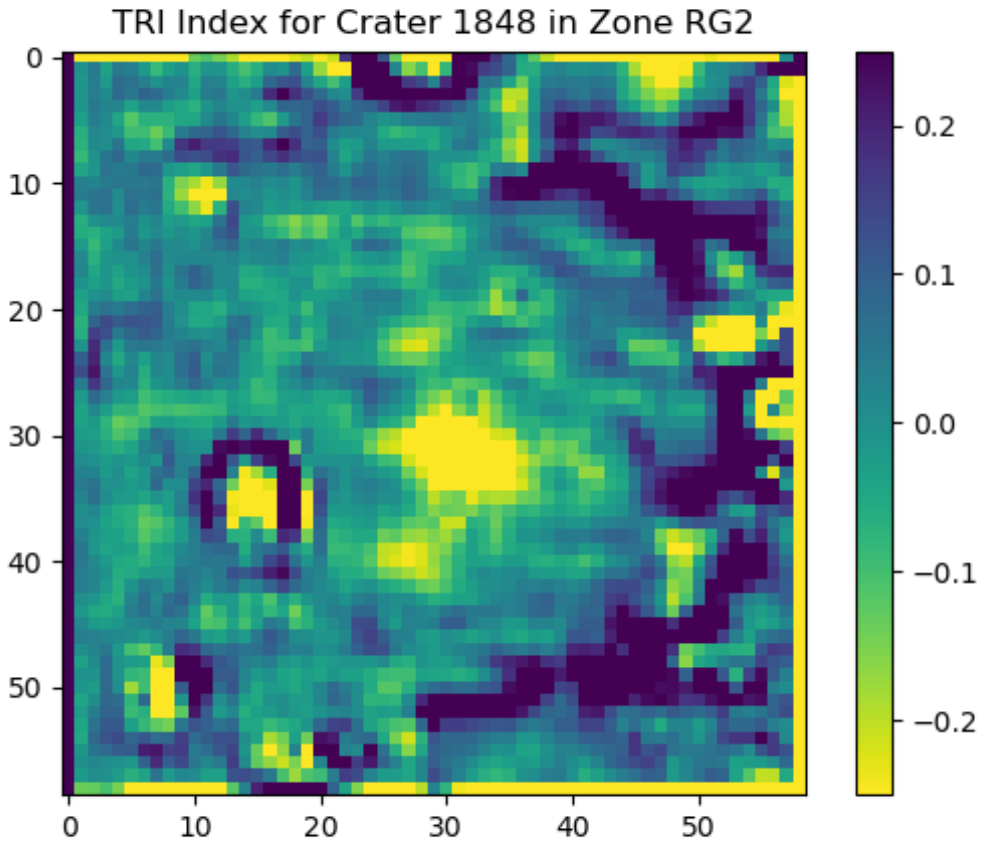
## Slopes data

| North orientation | Slope (°) | Uncertainty (°) |
|---|---|---|
| 0/360° | 5.83 | 0.57 |
| 10° | 6.02 | 0.54 |
| 20° | 5.89 | 0.51 |
| 30° | 6.05 | 0.48 |
| 40° | 6.46 | 0.43 |
| 50° | 6.42 | 0.43 |
| 60° | 6.26 | 0.47 |
| 70° | 6.45 | 0.51 |
| 80° | 7.32 | 0.53 |
| 90° | 8.38 | 0.57 |
| 100° | 7.5 | 0.53 |
| 110° | 7.17 | 0.5 |

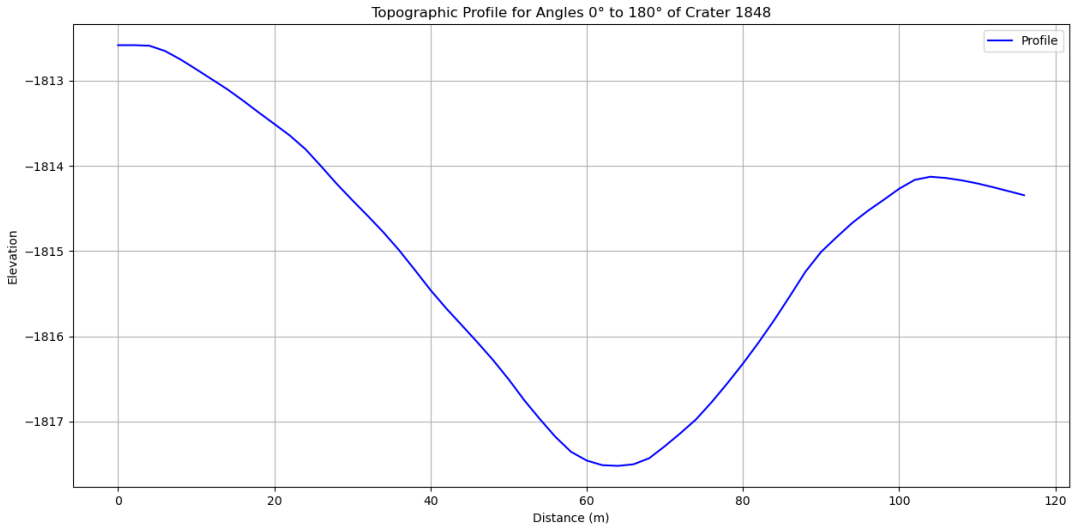
| | | |
|---|---|---|
| 120° | 6.91 | 0.48 |
| 130° | 6.96 | 0.43 |
| 140° | 7.0 | 0.43 |
| 150° | 6.81 | 0.48 |
| 160° | 6.54 | 0.51 |
| 170° | 6.62 | 0.53 |
| 180° | 6.9 | 0.57 |
| 190° | 6.4 | 0.54 |
| 200° | 6.14 | 0.51 |
| 210° | 6.62 | 0.46 |
| 220° | 6.82 | 0.42 |
| 230° | 6.61 | 0.44 |
| 240° | 6.4 | 0.47 |
| 250° | 6.53 | 0.5 |
| 260° | 6.67 | 0.54 |
| 270° | 7.78 | 0.57 |
| 280° | 7.31 | 0.54 |
| 290° | 7.27 | 0.52 |
| 300° | 6.74 | 0.48 |
| 310° | 6.53 | 0.43 |
| 320° | 6.0 | 0.43 |
| 330° | 5.8 | 0.48 |
| 340° | 5.82 | 0.52 |
| 350° | 5.86 | 0.54 |

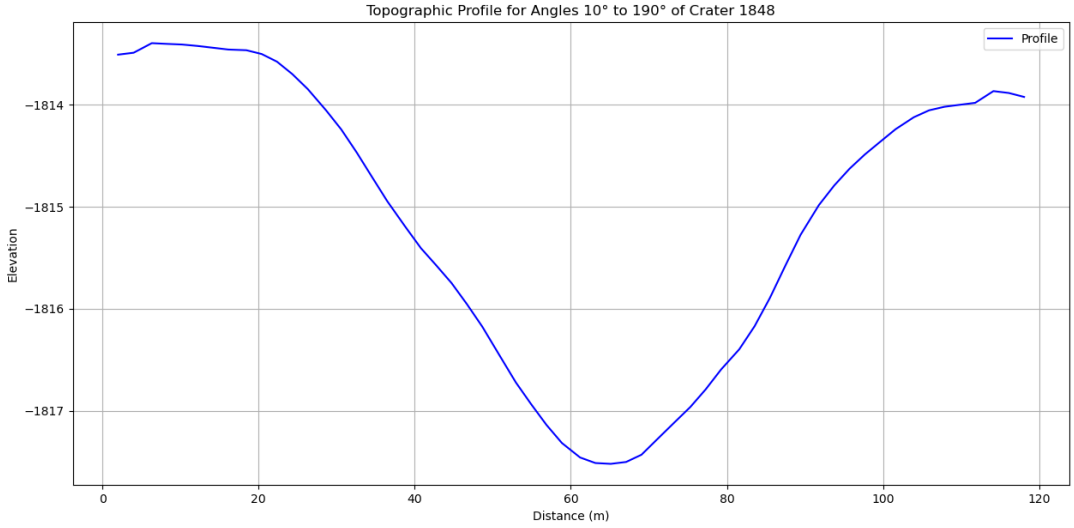
## Topographic roughness index (TRI)

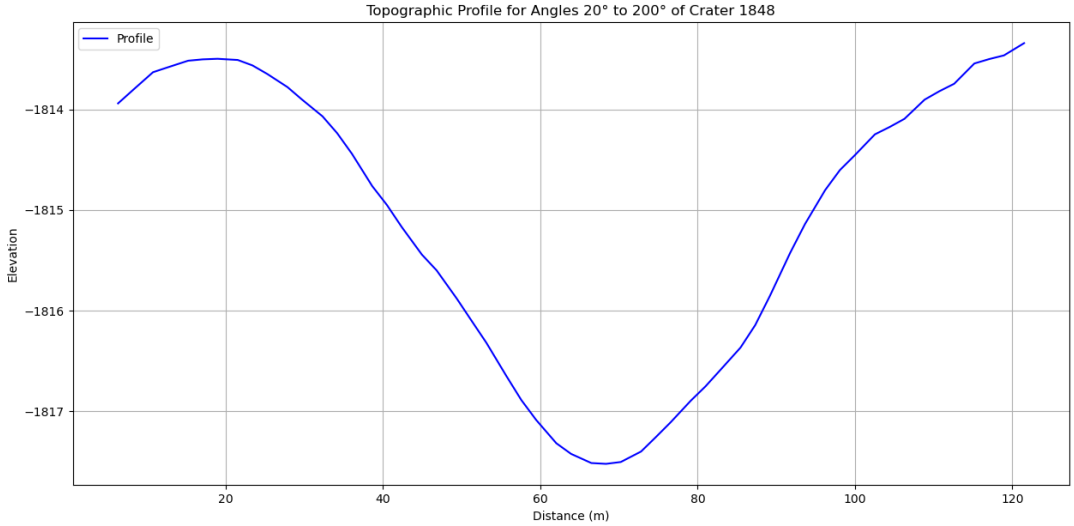
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

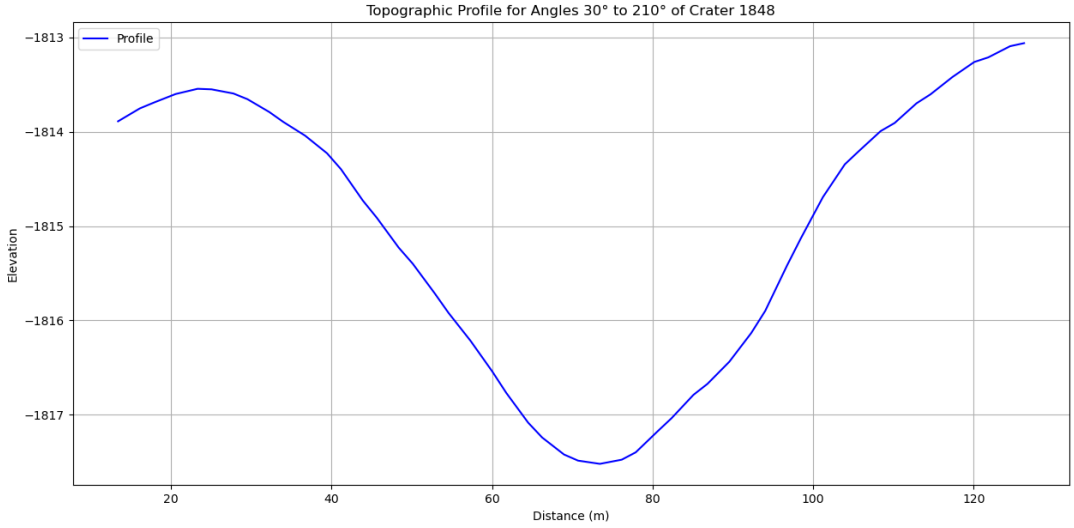


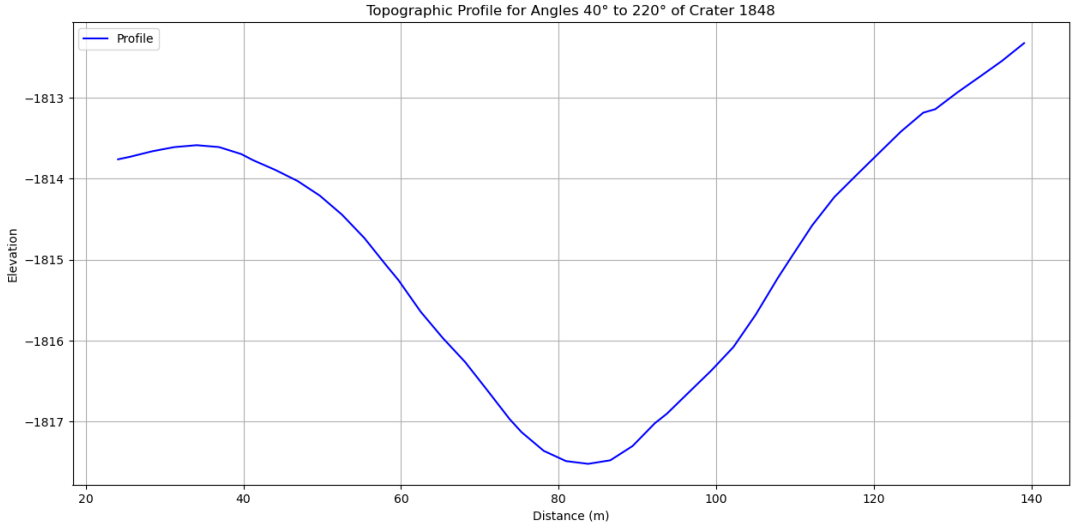

## Topographic profiles

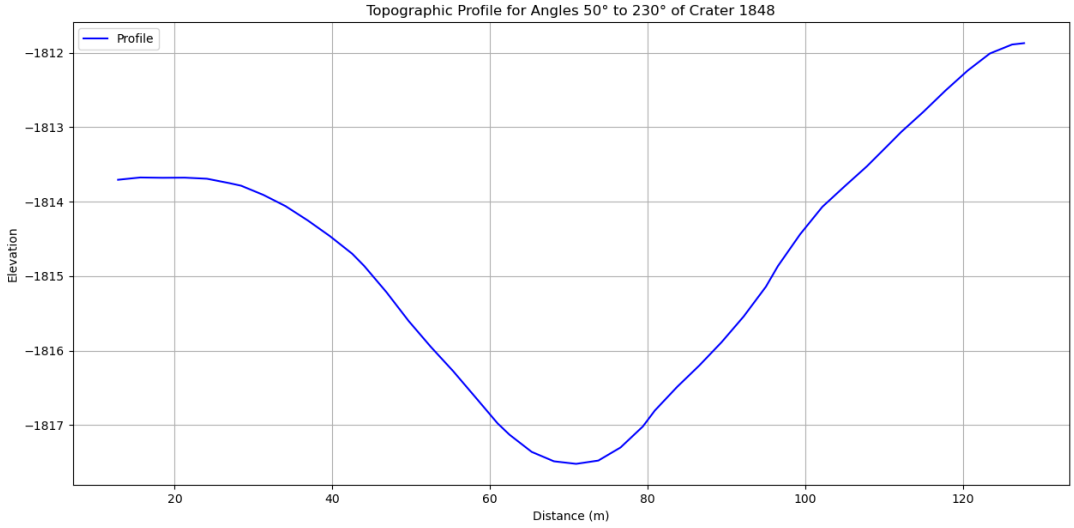


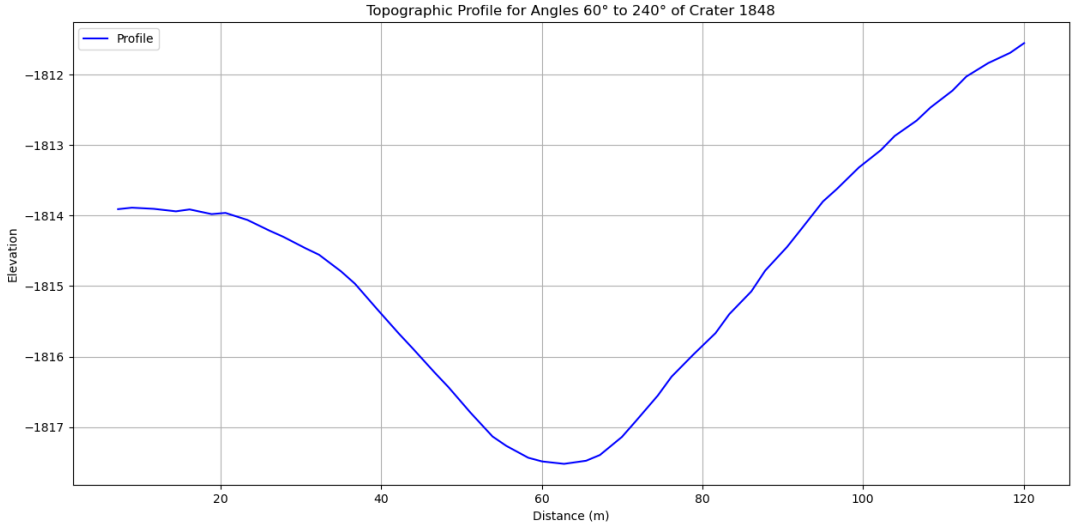

Topographic Profile for Angles 10° to 190° of Crater 1848
Profile
Elevation
−1814
−1815
−1816
−1817
0
20
40
60
80
100
120
Distance (m)

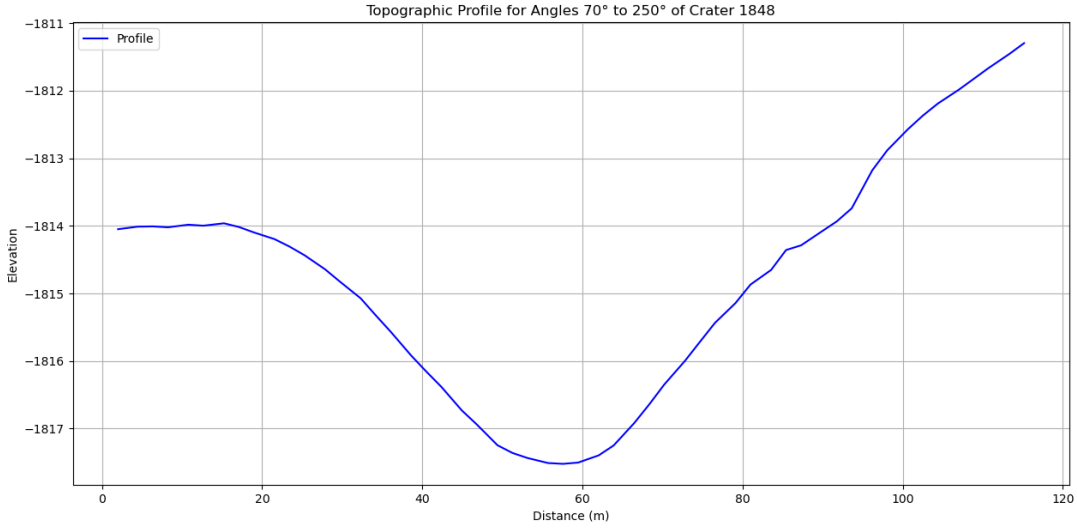

Topographic Profile for Angles 20° to 200° of Crater 1848
Profile
Elevation
−1814
−1815
−1816
−1817
20
40
60
80
100
120
Distance (m)

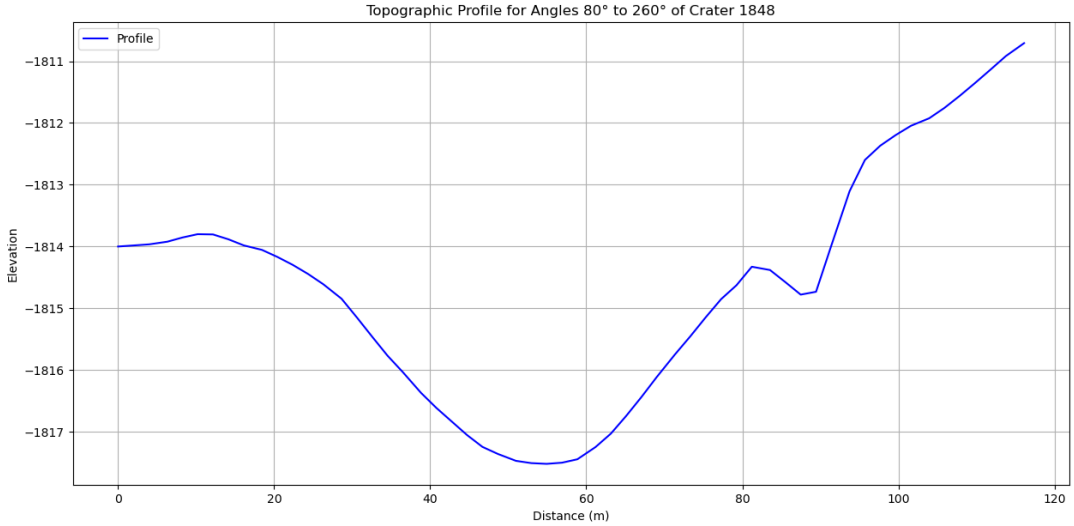

Topographic Profile for Angles 30° to 210° of Crater 1848
Profile
Elevation
Distance (m)
−1813
−1814
−1815
−1816
−1817
20
40
60
80
100
120

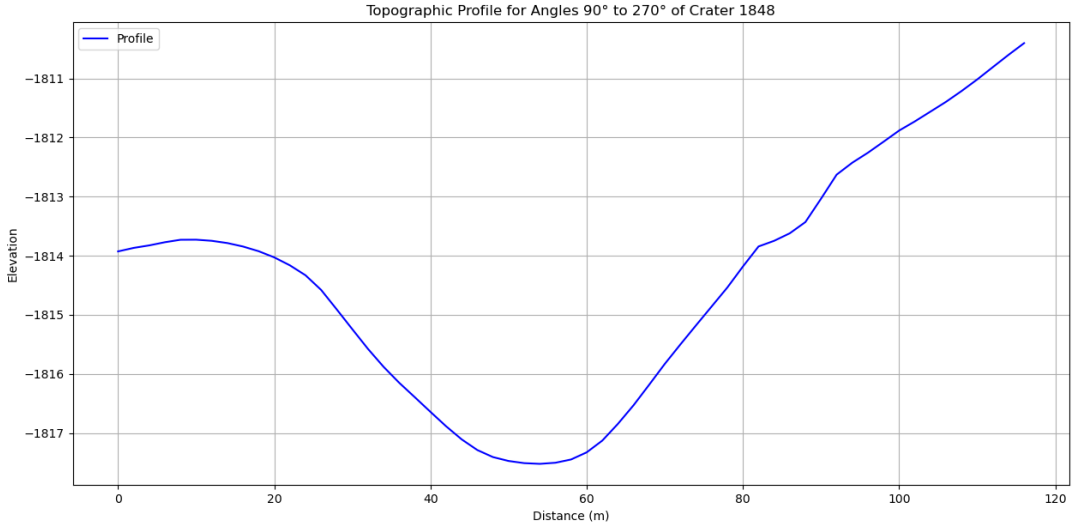

Topographic Profile for Angles 40° to 220° of Crater 1848
Profile
Elevation
Distance (m)
−1813
−1814
−1815
−1816
−1817
20
40
60
80
100
120
140

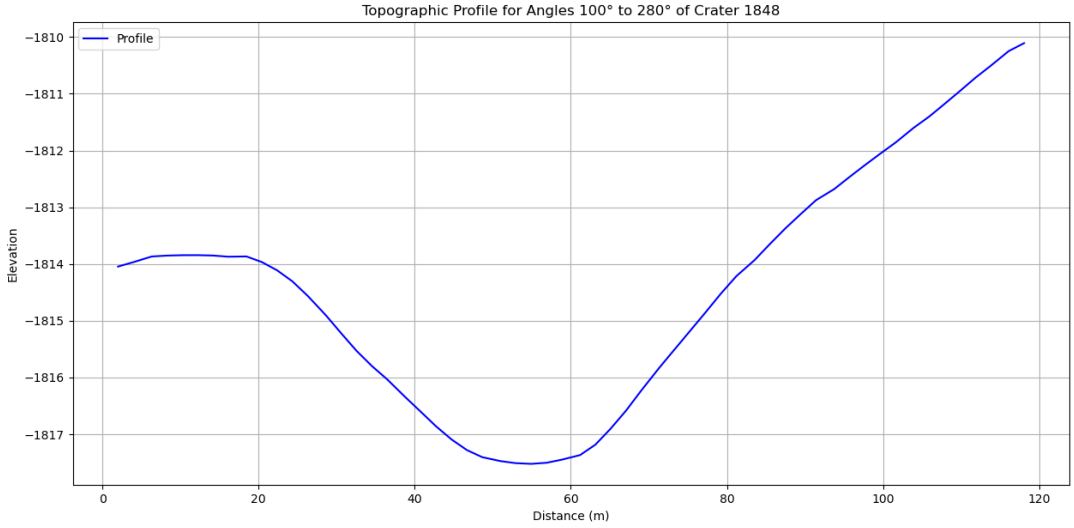

Topographic Profile for Angles 50° to 230° of Crater 1848
Profile
Elevation
−1812
−1813
−1814
−1815
−1816
−1817
20
40
60
80
100
120
Distance (m)

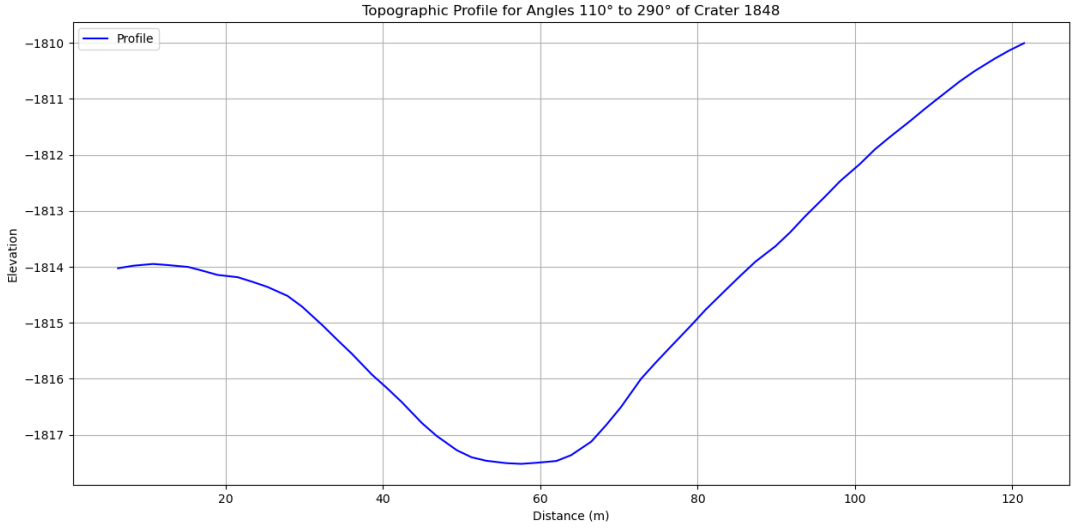

Topographic Profile for Angles 60° to 240° of Crater 1848
Profile
Elevation
−1812
−1813
−1814
−1815
−1816
−1817
20
40
60
80
100
120
Distance (m)

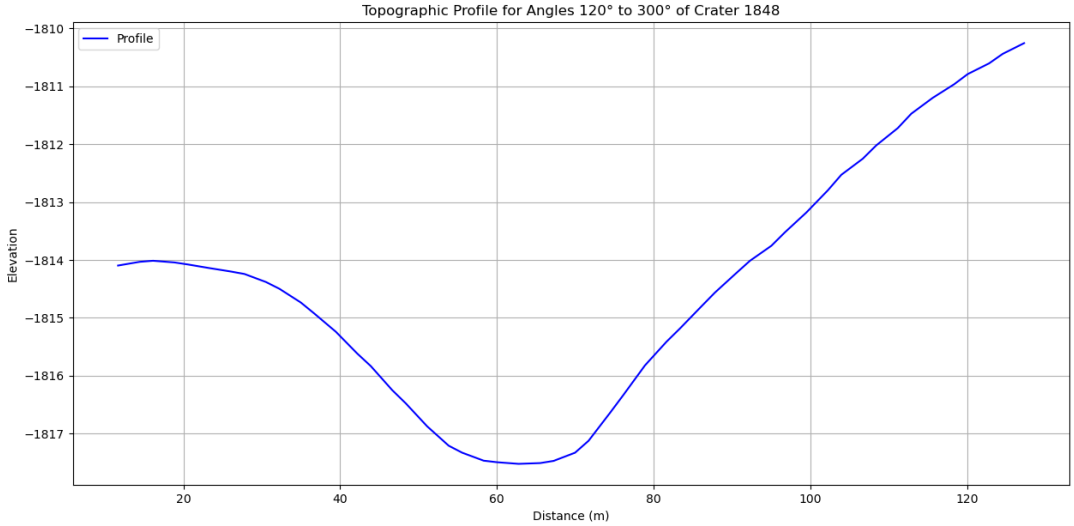

Topographic Profile for Angles 70° to 250° of Crater 1848
Profile
Elevation
Distance (m)
−1811
−1812
−1813
−1814
−1815
−1816
−1817
0
20
40
60
80
100
120

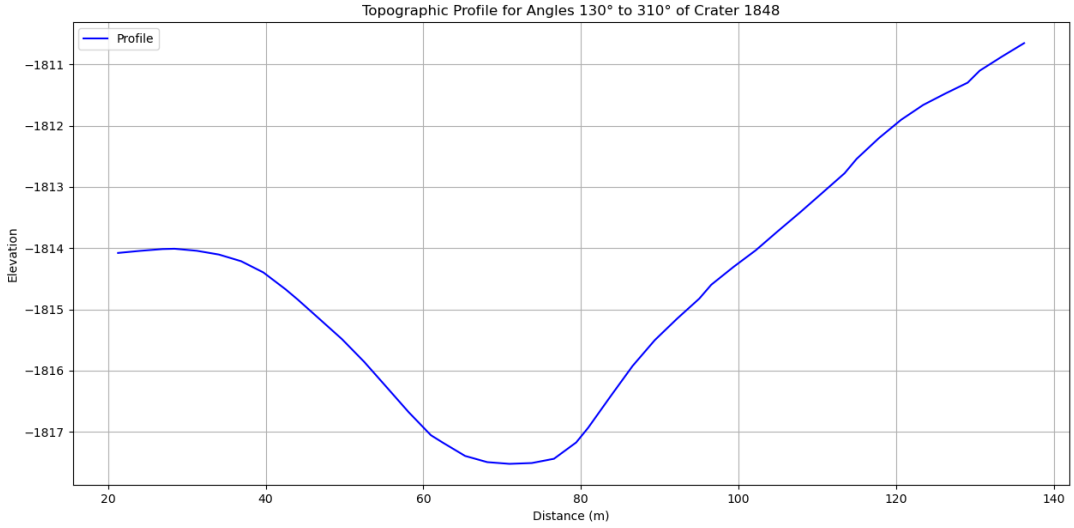

Topographic Profile for Angles 80° to 260° of Crater 1848
Profile
Elevation
Distance (m)
−1811
−1812
−1813
−1814
−1815
−1816
−1817
0
20
40
60
80
100
120

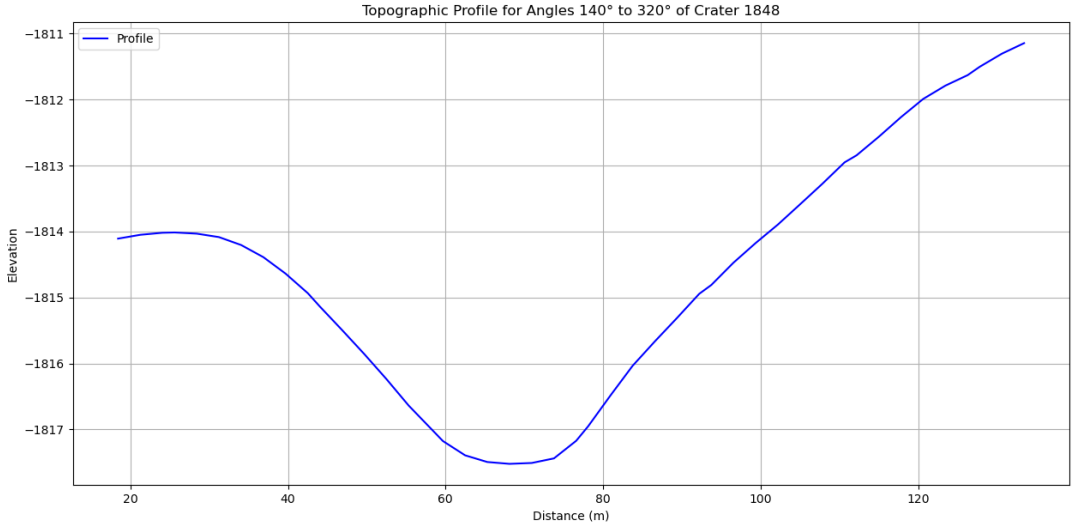

Topographic Profile for Angles 90° to 270° of Crater 1848
Profile
Elevation
−1811
−1812
−1813
−1814
−1815
−1816
−1817
0
20
40
60
80
100
120
Distance (m)

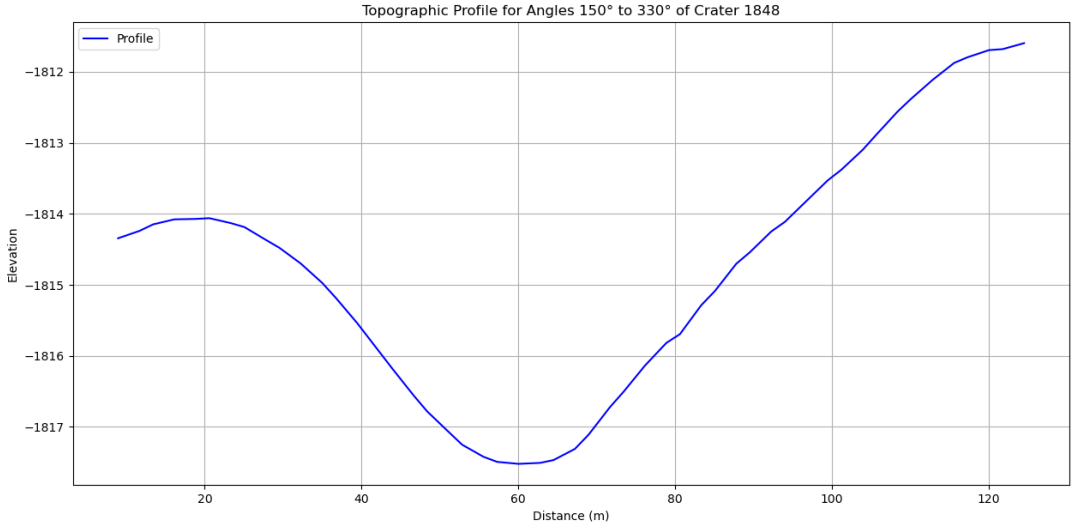

Topographic Profile for Angles 100° to 280° of Crater 1848
Profile
Elevation
−1810
−1811
−1812
−1813
−1814
−1815
−1816
−1817
0
20
40
60
80
100
120
Distance (m)

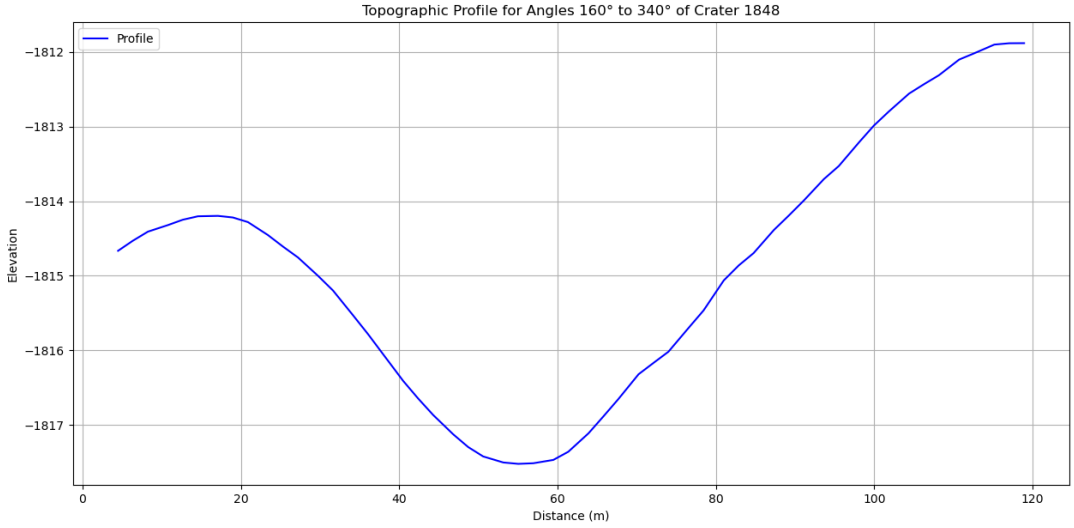

Topographic Profile for Angles 110° to 290° of Crater 1848
Profile
Elevation
−1810
−1811
−1812
−1813
−1814
−1815
−1816
−1817
20
40
60
80
100
120
Distance (m)

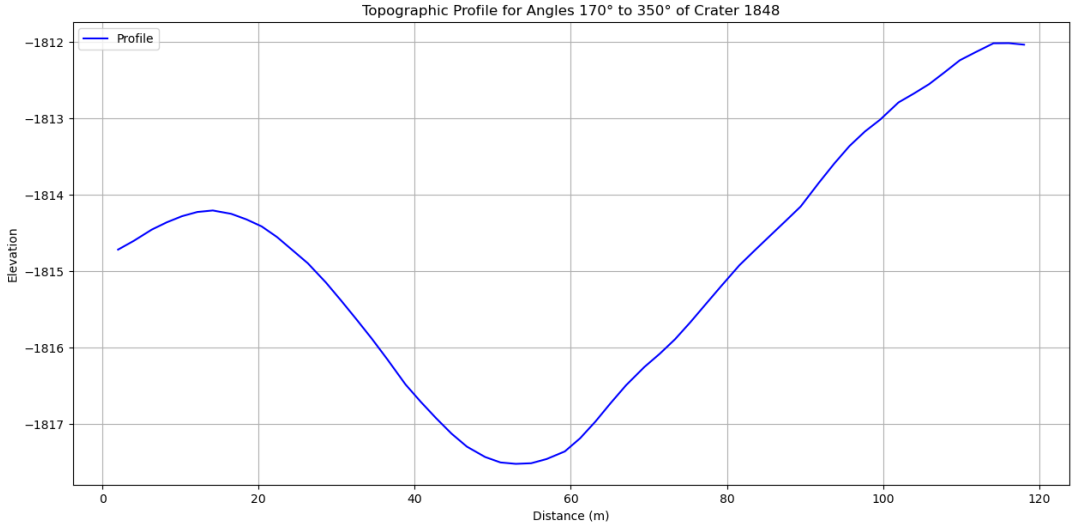

Topographic Profile for Angles 120° to 300° of Crater 1848
Profile
Elevation
−1810
−1811
−1812
−1813
−1814
−1815
−1816
−1817
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 1848
Profile
Elevation
−1811
−1812
−1813
−1814
−1815
−1816
−1817
20
40
60
80
100
120
140
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 1848
Profile
Elevation
−1811
−1812
−1813
−1814
−1815
−1816
−1817
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 1848
Profile
Elevation
−1812
−1813
−1814
−1815
−1816
−1817
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 1848
Profile
Elevation
−1812
−1813
−1814
−1815
−1816
−1817
0
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 1848
Profile
−1812
−1813
−1814
−1815
−1816
−1817
Elevation
0
20
40
60
80
100
120
Distance (m)