# Crater report 115 of RG2

## General information

**ID :** 115

**Study area :** RG2

**Swirl :** off-swirl

**Morphology :** Bowl-shaped

**Estimate state of degradation :** C

**Mean Diameter :** 93m ± 4.0m

**Mean depht :** 3.0m ± 0.3m

**d/D ratio :** 0.032 ± 0.003

**Circularity index :** 0.9

**Slope :** Between 3.86° et 6.11°

**Mean value of TRI on the rim crest :** 0.30

**Geometric center coordinates :** (3658678.553642059, 236280.01951624773)

**Coordinates of the crater's lowest point :** (3658687.000001101, 236283.00000006976)

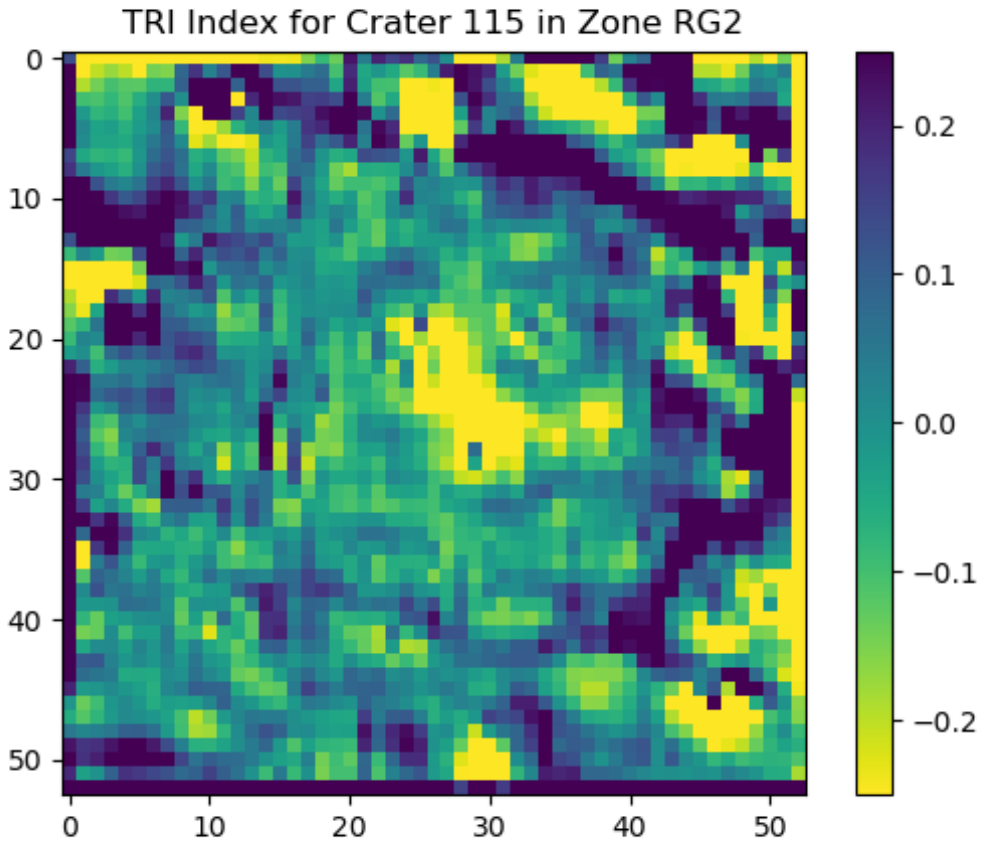
## Slopes data

| North orientation | Slope (°) | Uncertainty (°) |
|---|---|---|
| 0/360° | 4.39 | 0.57 |
| 10° | 4.02 | 0.53 |
| 20° | 3.86 | 0.51 |
| 30° | 3.95 | 0.48 |
| 40° | 4.36 | 0.43 |
| 50° | 4.06 | 0.43 |
| 60° | 4.2 | 0.48 |
| 70° | 4.26 | 0.53 |
| 80° | 4.56 | 0.55 |
| 90° | 5.13 | 0.57 |
| 100° | 5.08 | 0.55 |
| 110° | 4.95 | 0.5 |

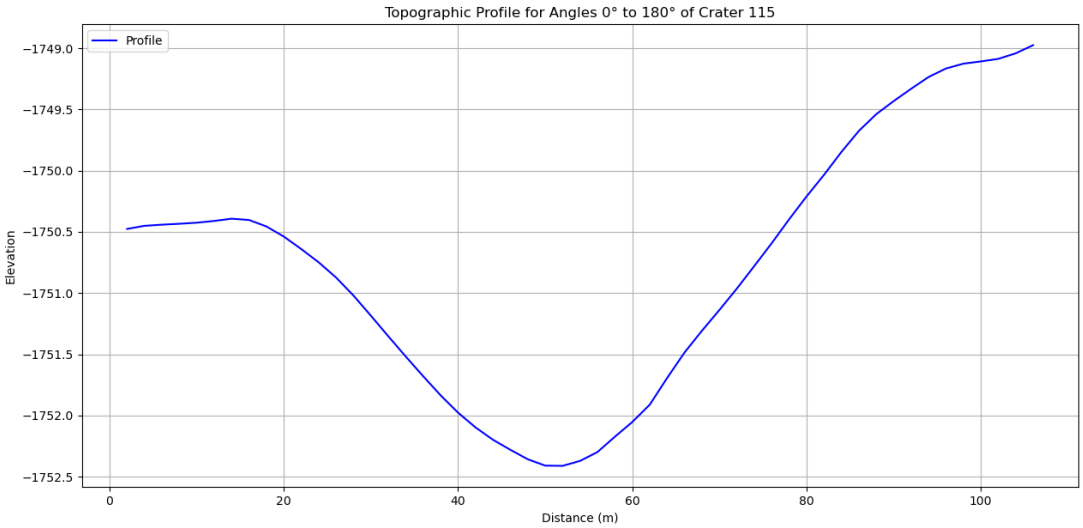
| | | |
|---|---|---|
| 120° | 4.98 | 0.49 |
| 130° | 4.81 | 0.43 |
| 140° | 4.74 | 0.43 |
| 150° | 4.74 | 0.48 |
| 160° | 4.57 | 0.51 |
| 170° | 4.78 | 0.54 |
| 180° | 5.27 | 0.57 |
| 190° | 4.94 | 0.55 |
| 200° | 4.81 | 0.51 |
| 210° | 4.87 | 0.48 |
| 220° | 5.49 | 0.42 |
| 230° | 5.13 | 0.44 |
| 240° | 4.94 | 0.48 |
| 250° | 5.27 | 0.51 |
| 260° | 5.5 | 0.55 |
| 270° | 6.11 | 0.57 |
| 280° | 6.05 | 0.54 |
| 290° | 5.36 | 0.52 |
| 300° | 5.33 | 0.49 |
| 310° | 5.12 | 0.42 |
| 320° | 4.76 | 0.43 |
| 330° | 3.94 | 0.48 |
| 340° | 3.89 | 0.5 |
| 350° | 4.48 | 0.53 |

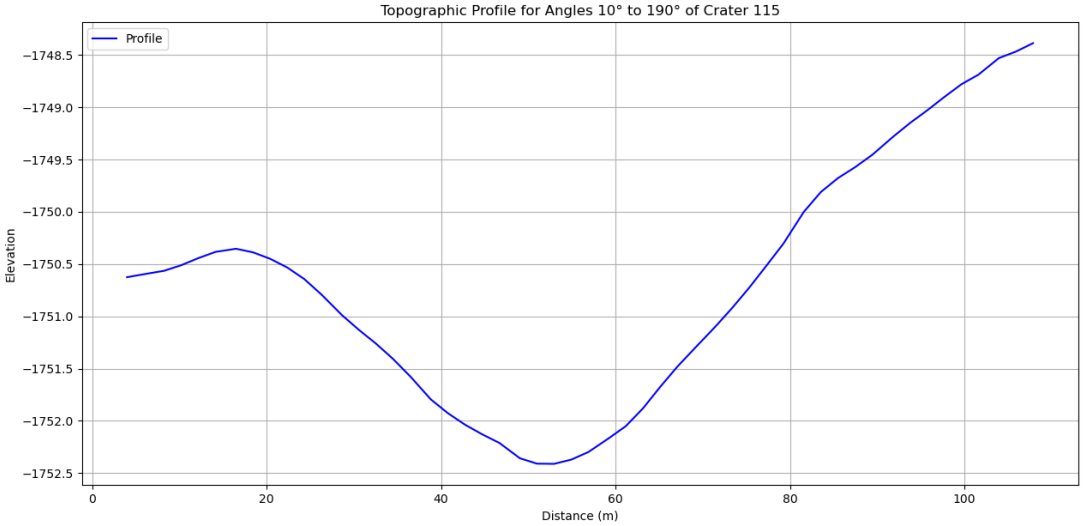
## Topographic roughness index (TRI)

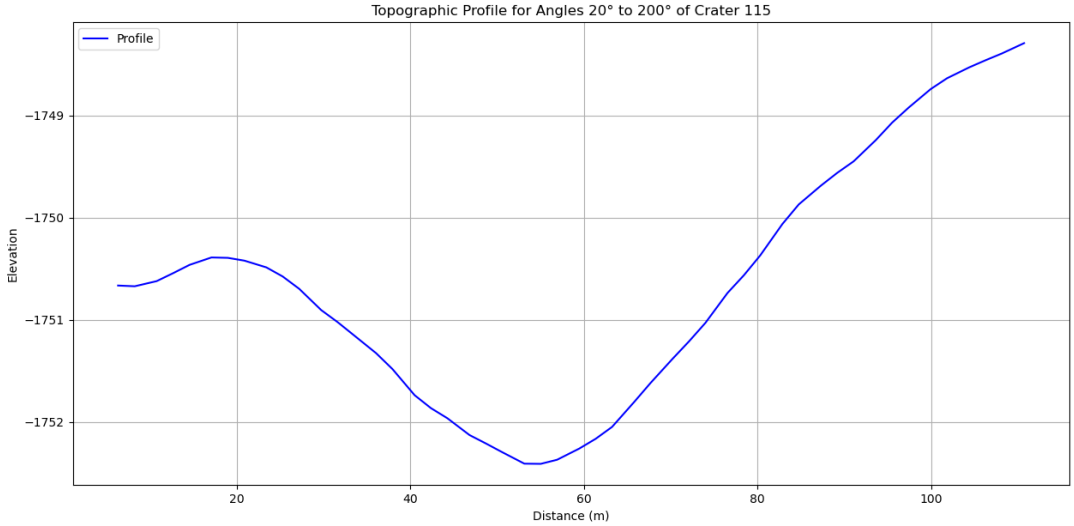
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

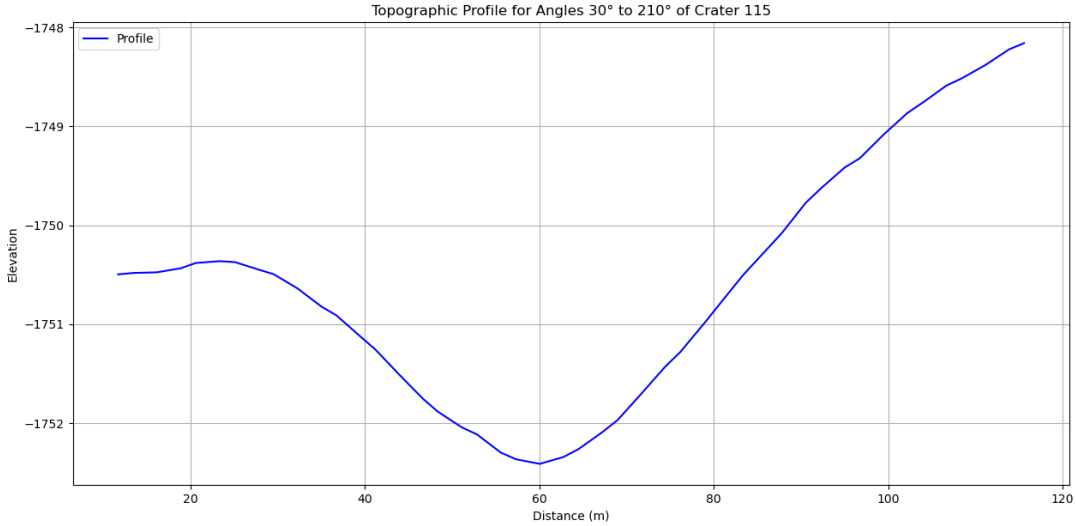


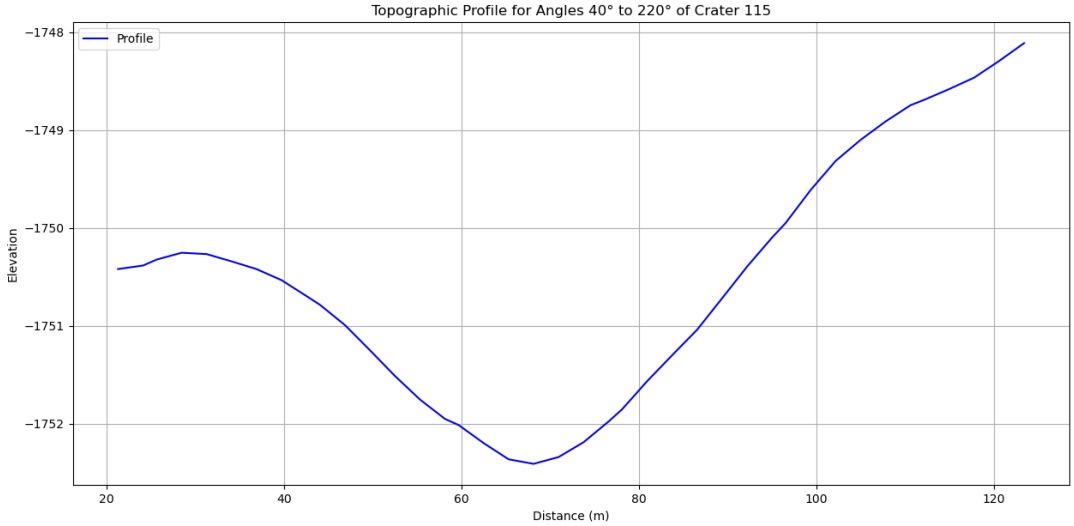

## Topographic profiles

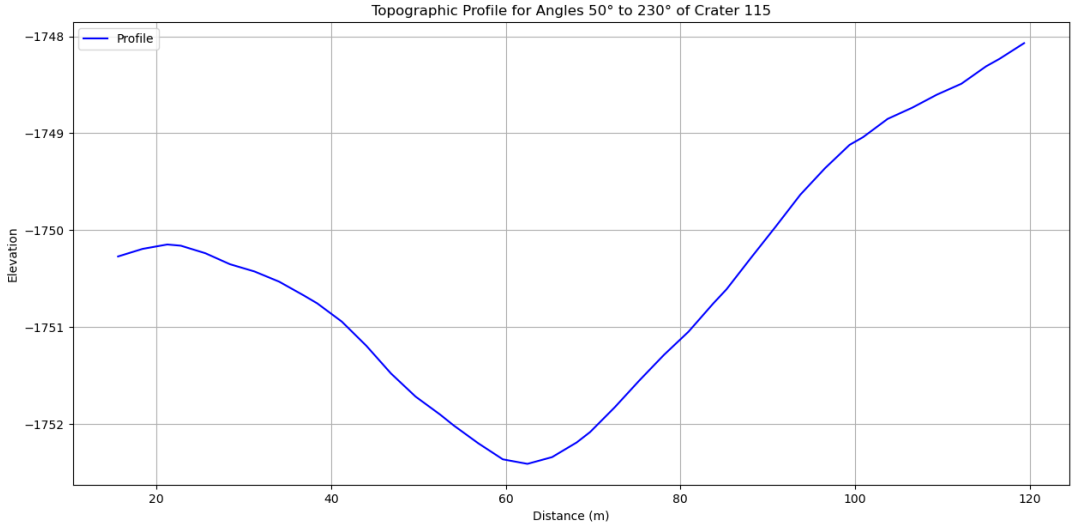


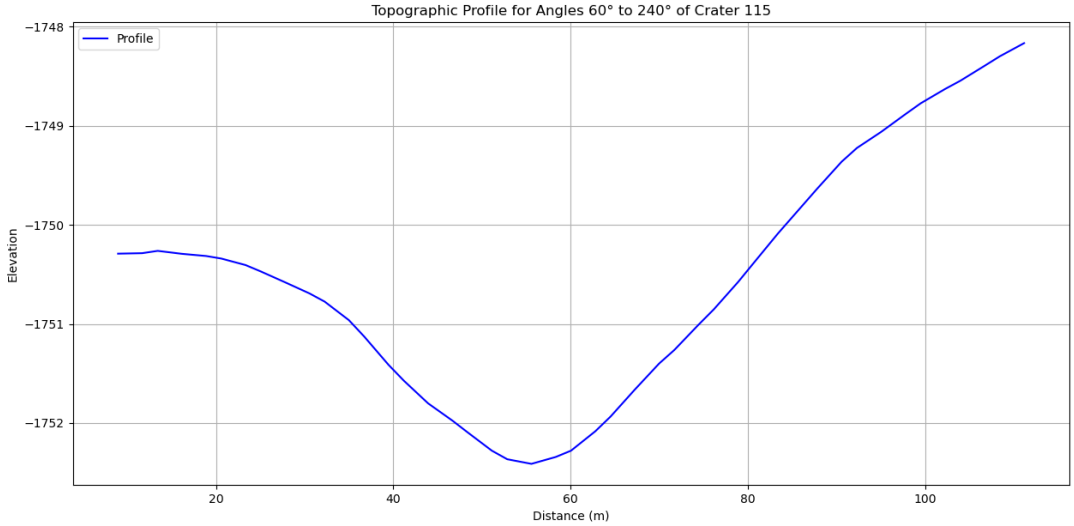

Topographic Profile for Angles 10° to 190° of Crater 115
Profile
Elevation
−1748.5
−1749.0
−1749.5
−1750.0
−1750.5
−1751.0
−1751.5
−1752.0
−1752.5
0
20
40
60
80
100
Distance (m)

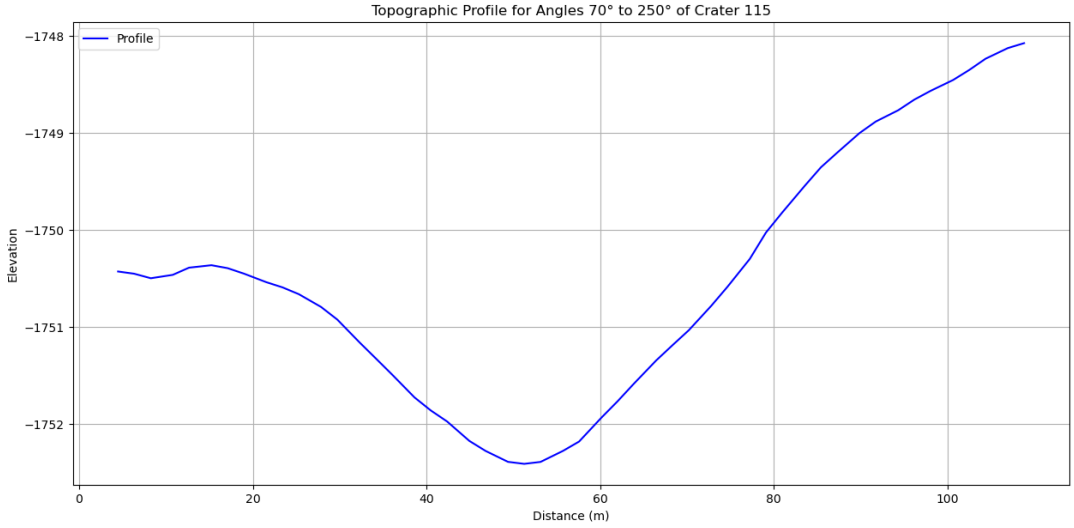

Topographic Profile for Angles 20° to 200° of Crater 115
Profile
Elevation
−1749
−1750
−1751
−1752
20
40
60
80
100
Distance (m)

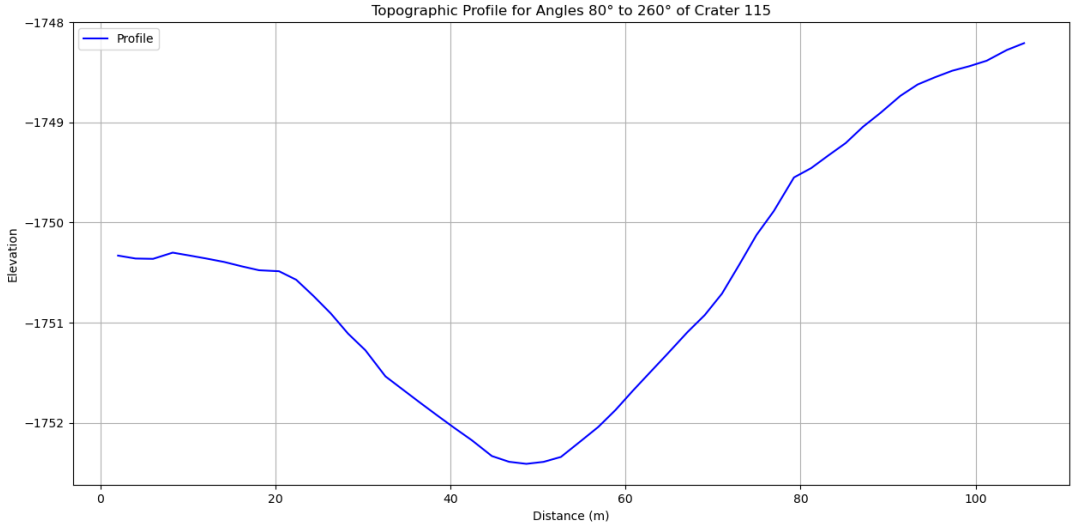

Topographic Profile for Angles 30° to 210° of Crater 115
Profile
Elevation
−1748
−1749
−1750
−1751
−1752
20
40
60
80
100
120
Distance (m)

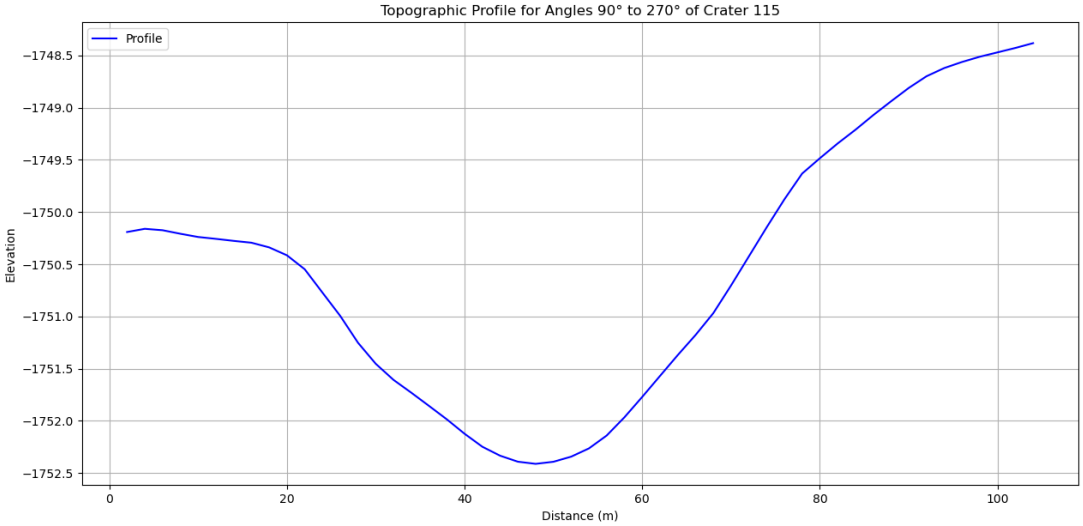

Topographic Profile for Angles 40° to 220° of Crater 115
Profile
Elevation
−1748
−1749
−1750
−1751
−1752
20
40
60
80
100
120
Distance (m)

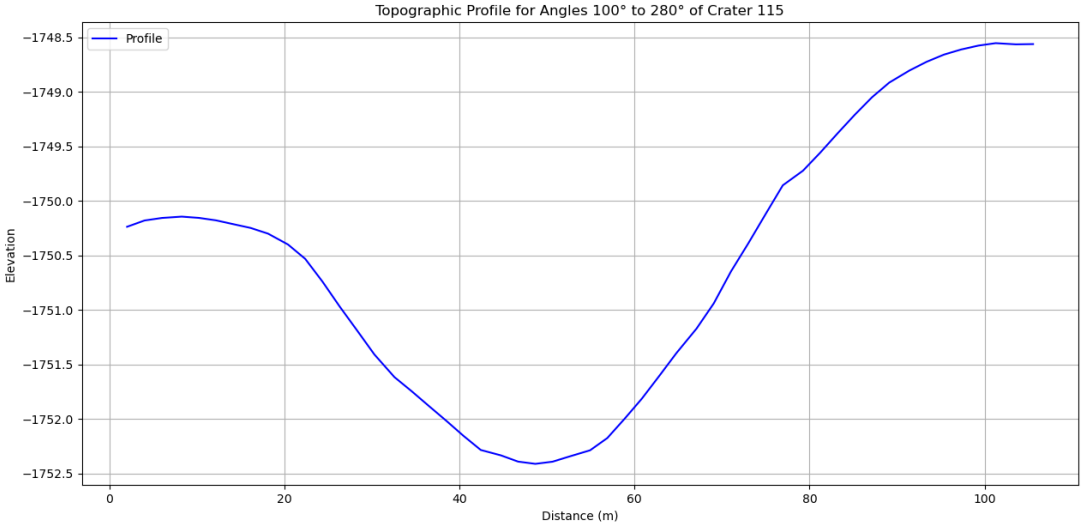

Topographic Profile for Angles 50° to 230° of Crater 115
Profile
Elevation
−1748
−1749
−1750
−1751
−1752
20
40
60
80
100
120
Distance (m)

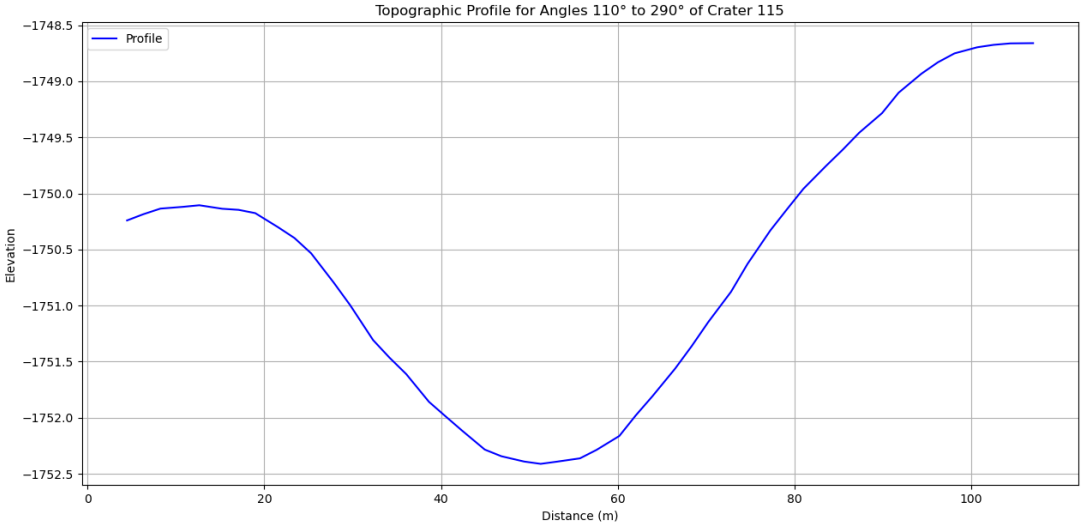

Topographic Profile for Angles 60° to 240° of Crater 115
Profile
Elevation
−1748
−1749
−1750
−1751
−1752
20
40
60
80
100
Distance (m)

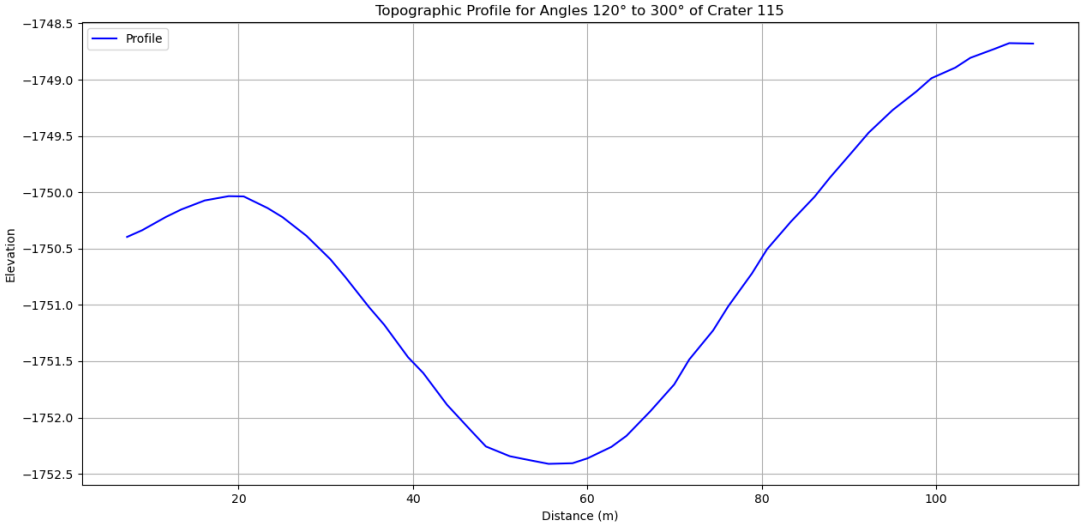

Topographic Profile for Angles 70° to 250° of Crater 115
Profile
Elevation
−1748
−1749
−1750
−1751
−1752
0
20
40
60
80
100
Distance (m)

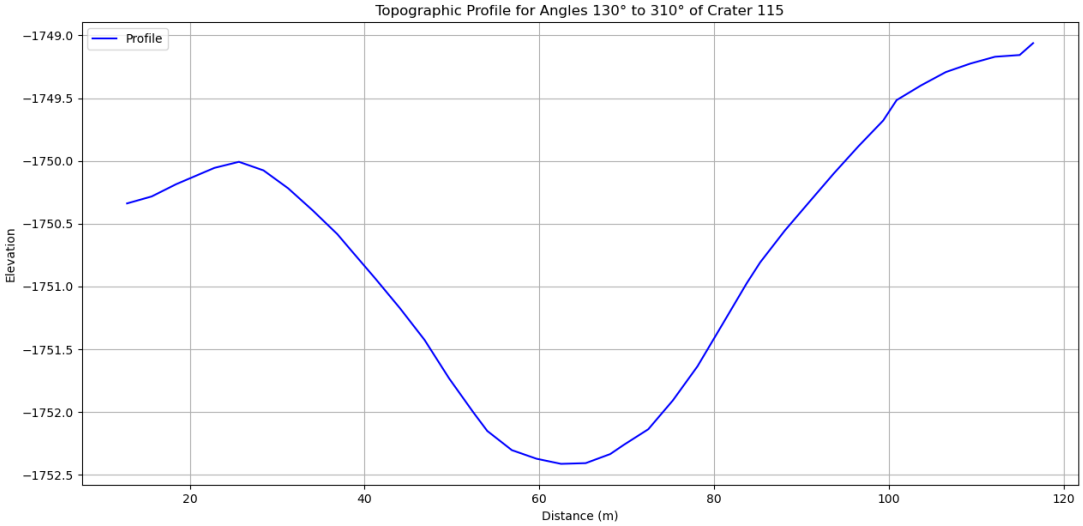

Topographic Profile for Angles 80° to 260° of Crater 115
Profile
Elevation
−1748
−1749
−1750
−1751
−1752
0
20
40
60
80
100
Distance (m)

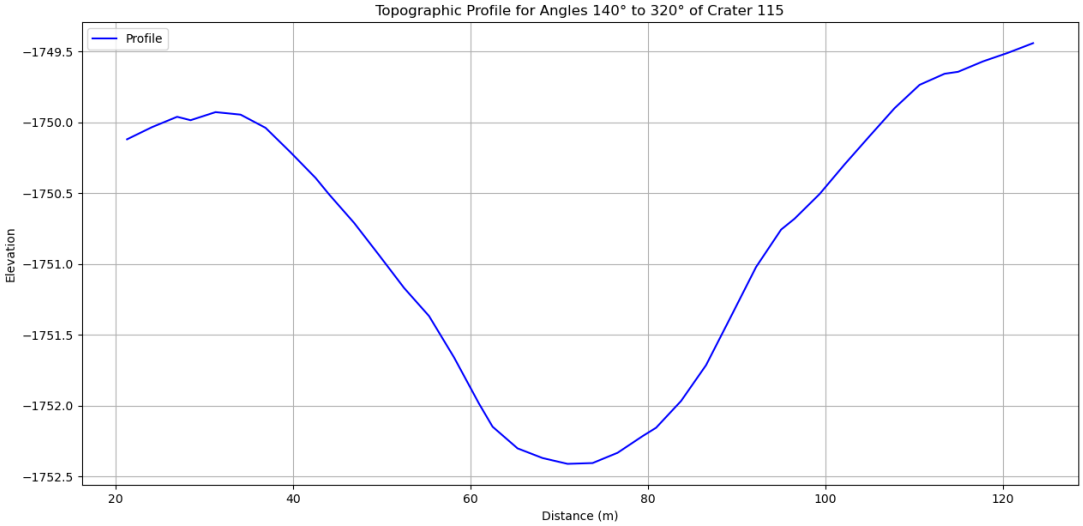

Topographic Profile for Angles 90° to 270° of Crater 115
Profile
Elevation
−1748.5
−1749.0
−1749.5
−1750.0
−1750.5
−1751.0
−1751.5
−1752.0
−1752.5
0
20
40
60
80
100
Distance (m)

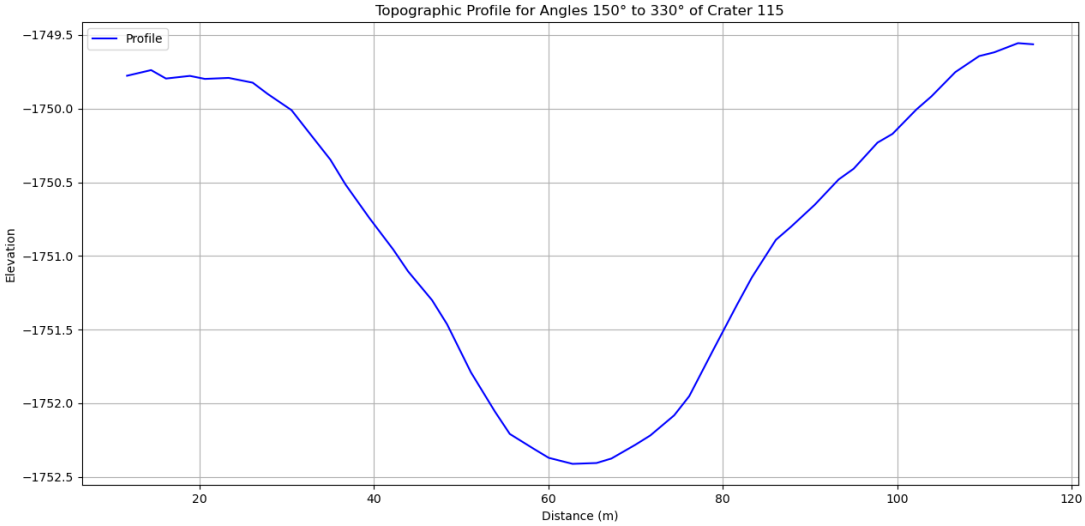

Topographic Profile for Angles 100° to 280° of Crater 115
Profile
Elevation
−1748.5
−1749.0
−1749.5
−1750.0
−1750.5
−1751.0
−1751.5
−1752.0
−1752.5
0
20
40
60
80
100
Distance (m)

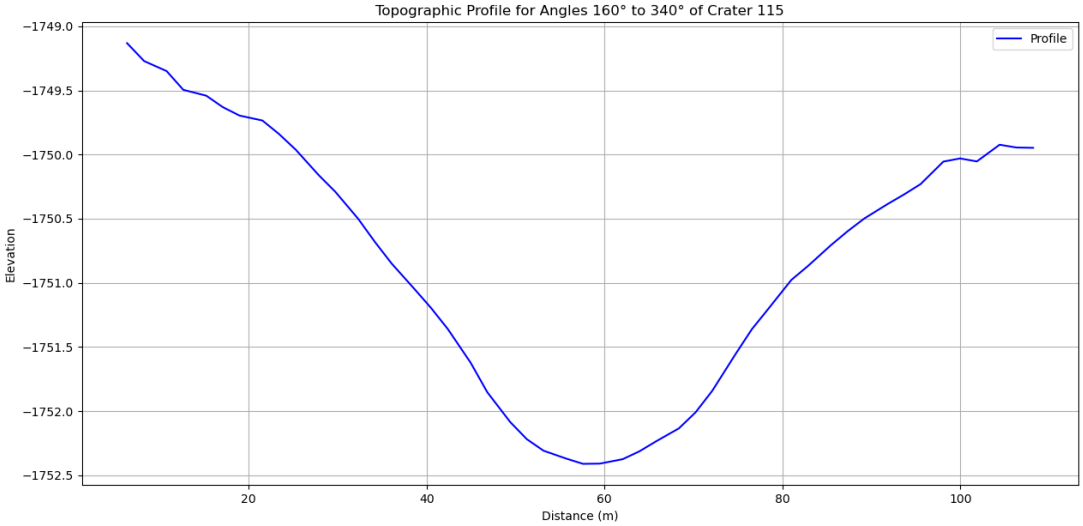

Topographic Profile for Angles 110° to 290° of Crater 115
Profile
Elevation
Distance (m)
−1748.5
−1749.0
−1749.5
−1750.0
−1750.5
−1751.0
−1751.5
−1752.0
−1752.5
0
20
40
60
80
100

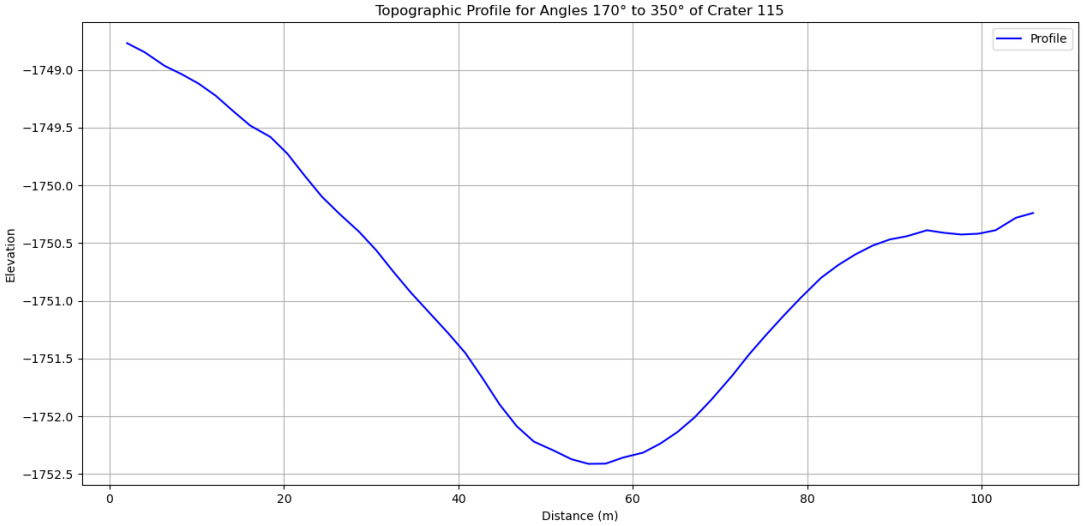

Topographic Profile for Angles 120° to 300° of Crater 115
Profile
Elevation
Distance (m)
−1748.5
−1749.0
−1749.5
−1750.0
−1750.5
−1751.0
−1751.5
−1752.0
−1752.5
20
40
60
80
100


Topographic Profile for Angles 130° to 310° of Crater 115
Profile
Elevation
Distance (m)
−1749.0
−1749.5
−1750.0
−1750.5
−1751.0
−1751.5
−1752.0
−1752.5
20
40
60
80
100
120


Topographic Profile for Angles 140° to 320° of Crater 115
Profile
Elevation
Distance (m)
−1749.5
−1750.0
−1750.5
−1751.0
−1751.5
−1752.0
−1752.5
20
40
60
80
100
120


Topographic Profile for Angles 150° to 330° of Crater 115
Profile
Elevation
Distance (m)
−1749.5
−1750.0
−1750.5
−1751.0
−1751.5
−1752.0
−1752.5
20
40
60
80
100
120


Topographic Profile for Angles 160° to 340° of Crater 115
Profile
Elevation
Distance (m)
−1749.0
−1749.5
−1750.0
−1750.5
−1751.0
−1751.5
−1752.0
−1752.5
20
40
60
80
100


Topographic Profile for Angles 170° to 350° of Crater 115
Profile
Elevation
−1749.0
−1749.5
−1750.0
−1750.5
−1751.0
−1751.5
−1752.0
−1752.5
0
20
40
60
80
100
Distance (m)