Crater report 14 of RG2

General information

ID : 14

Study area : RG2

Swirl : off-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 124m ± 10.0m

Mean depht : 5.8m ± 0.4m

d/D ratio : 0.047 ± 0.005

Circularity index : 0.92

Mean slope : 6.03°

Mean value of TRI on the rim crest : 0.12

Geometric center coordinates : (3656854.712365977, 236400.476175158)

Coordinates of the crater's lowest point : (3656847.0000011004, 236389.0000000698)

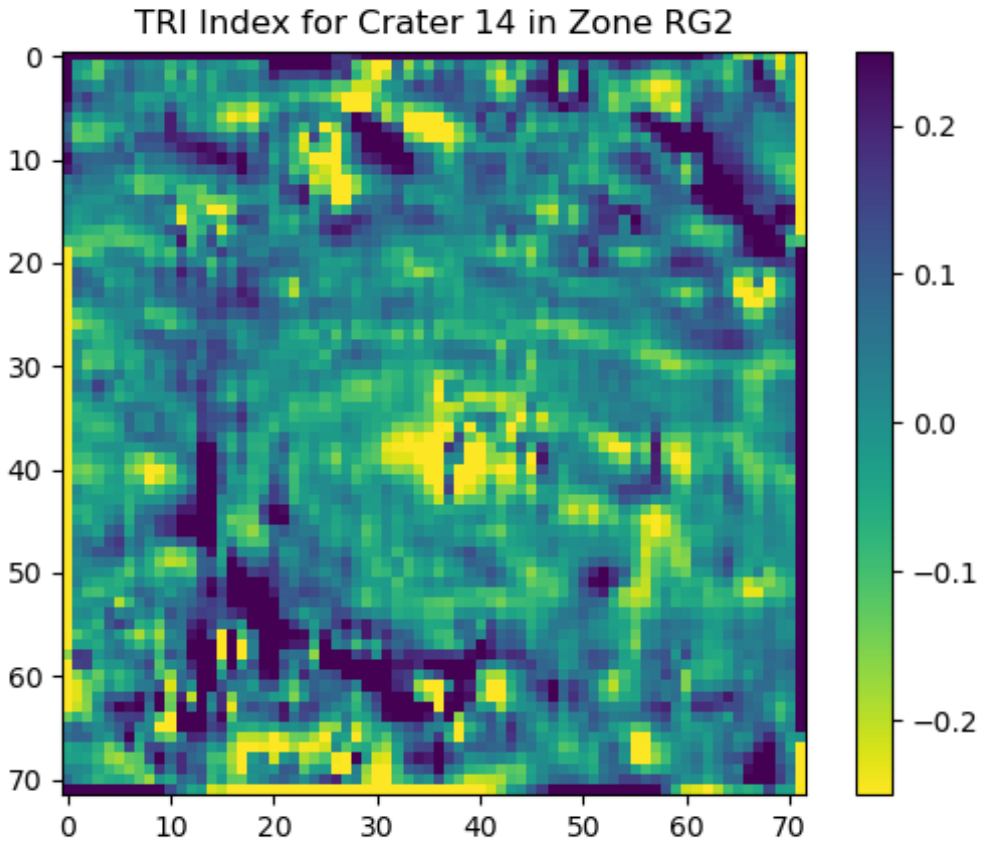
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	7.61	0.57
10°	7.18	0.55
20°	6.82	0.51
30°	7.05	0.48
40°	7.21	0.43
50°	6.73	0.43
60°	5.89	0.48
70°	5.42	0.51
80°	5.21	0.55
90°	5.04	0.57
100°	4.8	0.55
110°	4.38	0.52

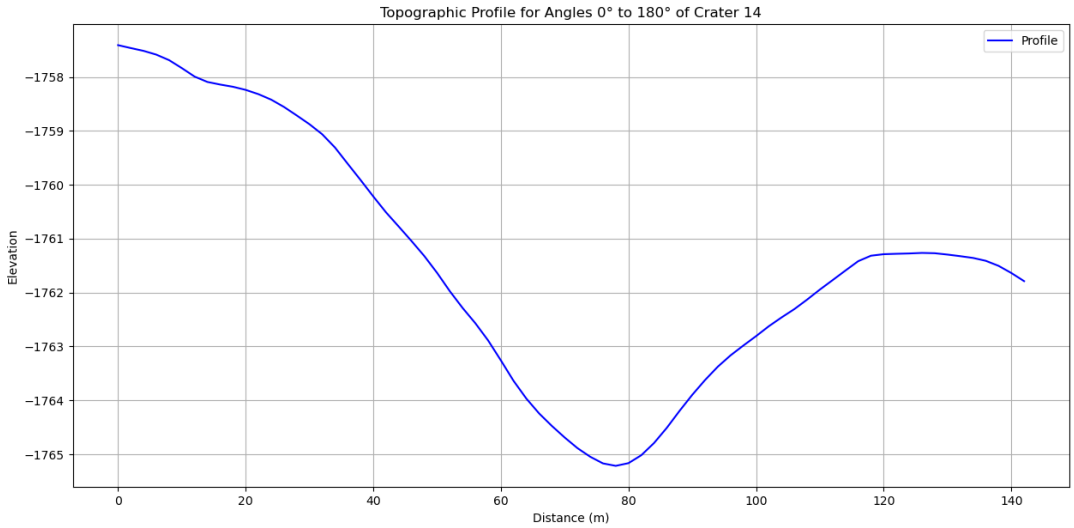
120°	4.2	0.48
130°	4.59	0.43
140°	4.93	0.43
150°	5.08	0.48
160°	5.36	0.52
170°	5.56	0.54
180°	5.87	0.57
190°	5.73	0.54
200°	5.7	0.52
210°	5.85	0.49
220°	6.52	0.44
230°	6.58	0.44
240°	6.31	0.48
250°	6.11	0.51
260°	6.14	0.55
270°	6.4	0.57
280°	6.07	0.54
290°	6.01	0.52
300°	6.34	0.48
310°	6.87	0.43
320°	6.7	0.43
330°	6.75	0.48
340°	6.97	0.51
350°	7.22	0.54

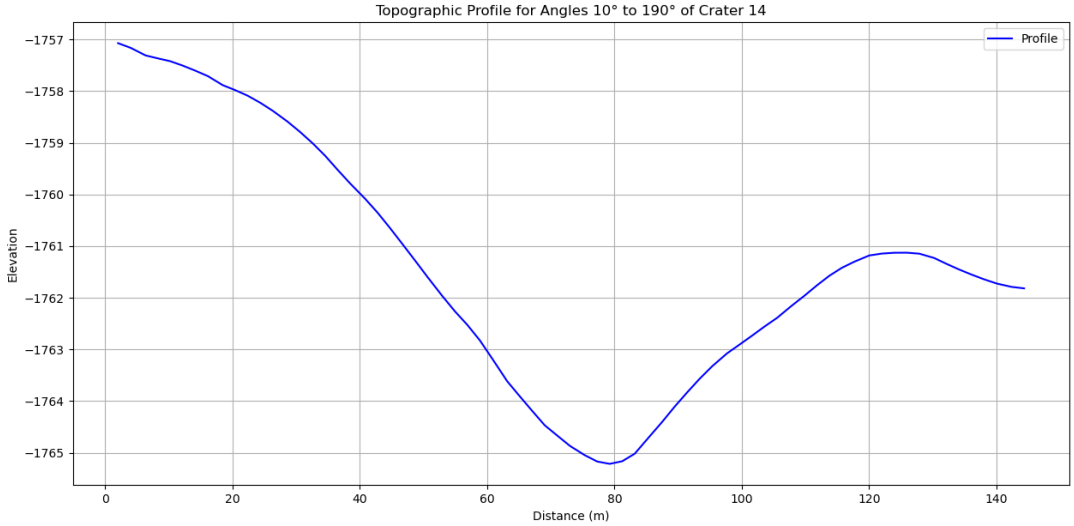
Topographic roughness index (TRI)

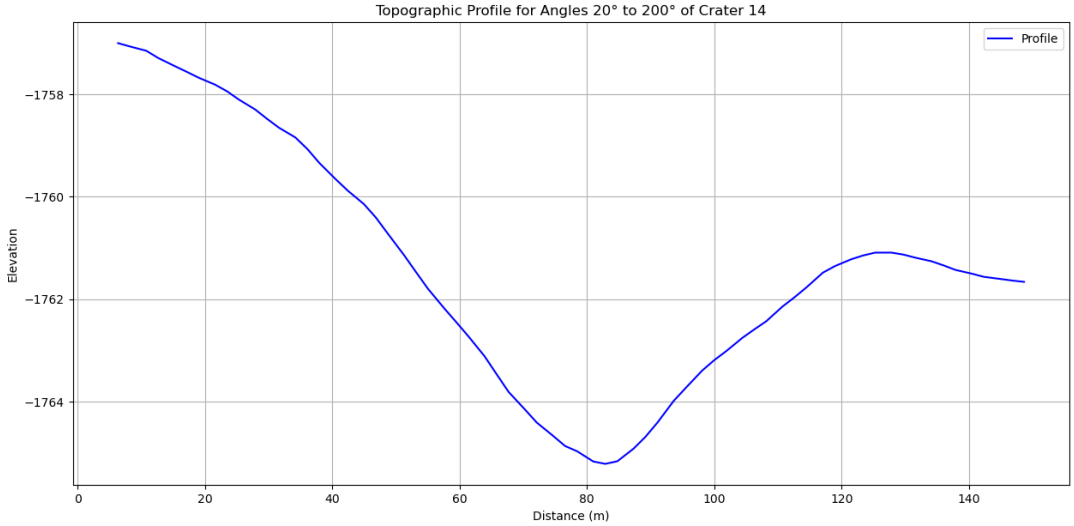
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

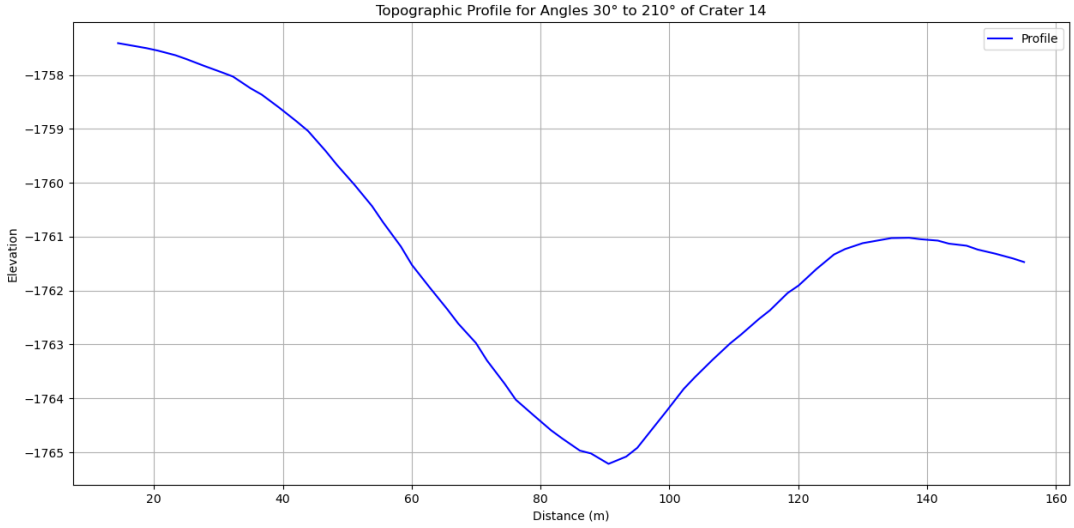


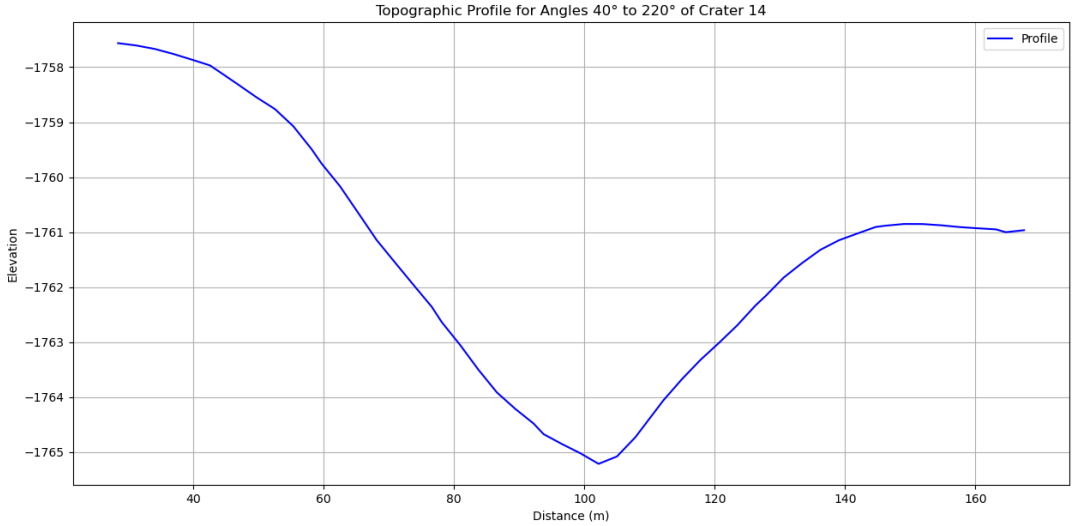
Topographic profiles

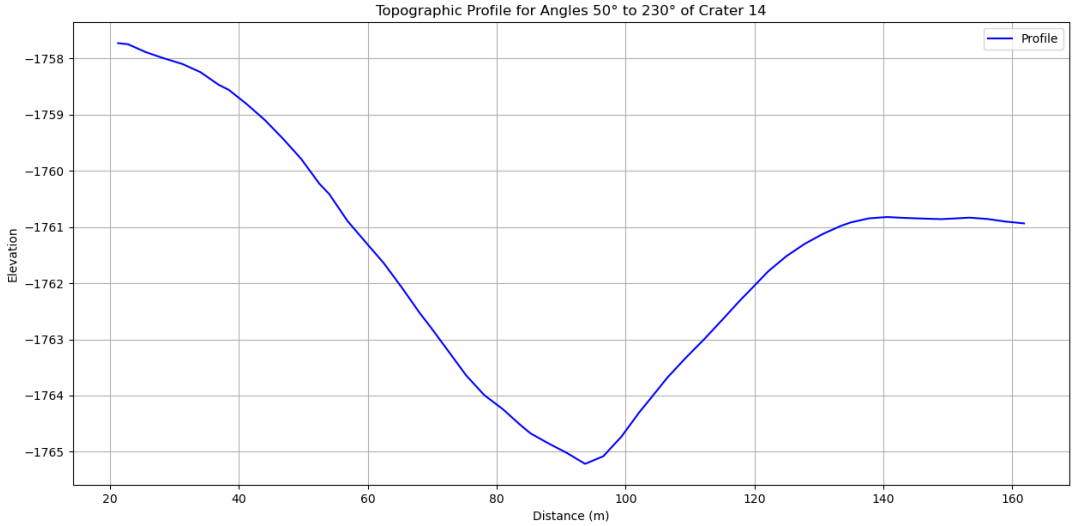


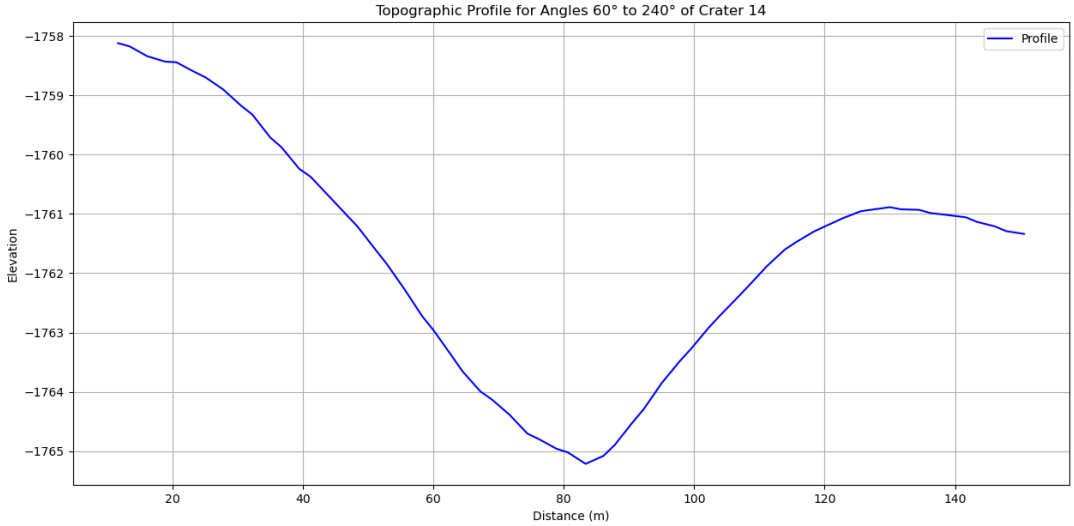

Topographic Profile for Angles 10° to 190° of Crater 14
Profile
Elevation
−1757
−1758
−1759
−1760
−1761
−1762
−1763
−1764
−1765
0
20
40
60
80
100
120
140
Distance (m)

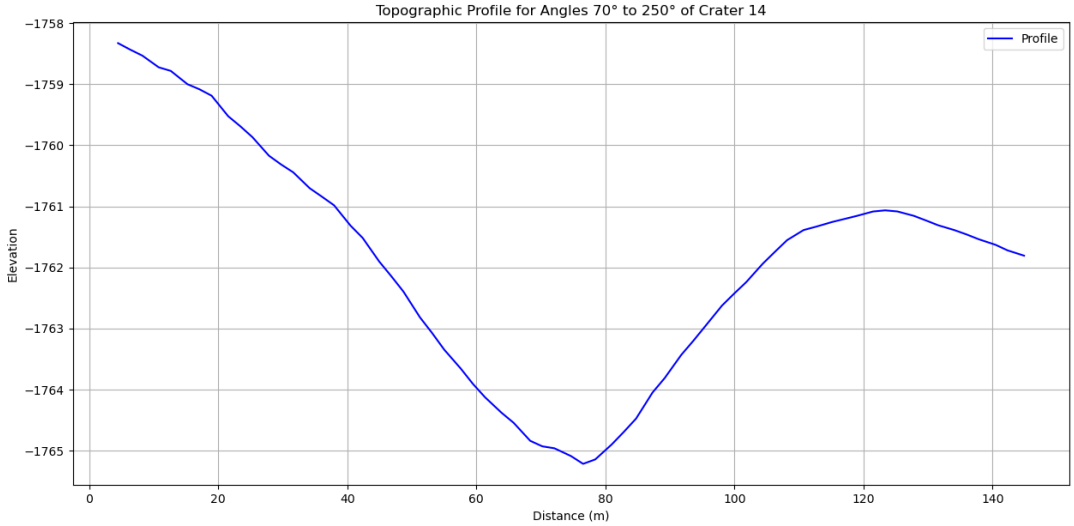

Topographic Profile for Angles 20° to 200° of Crater 14
Profile
Elevation
−1758
−1760
−1762
−1764
0
20
40
60
80
100
120
140
Distance (m)

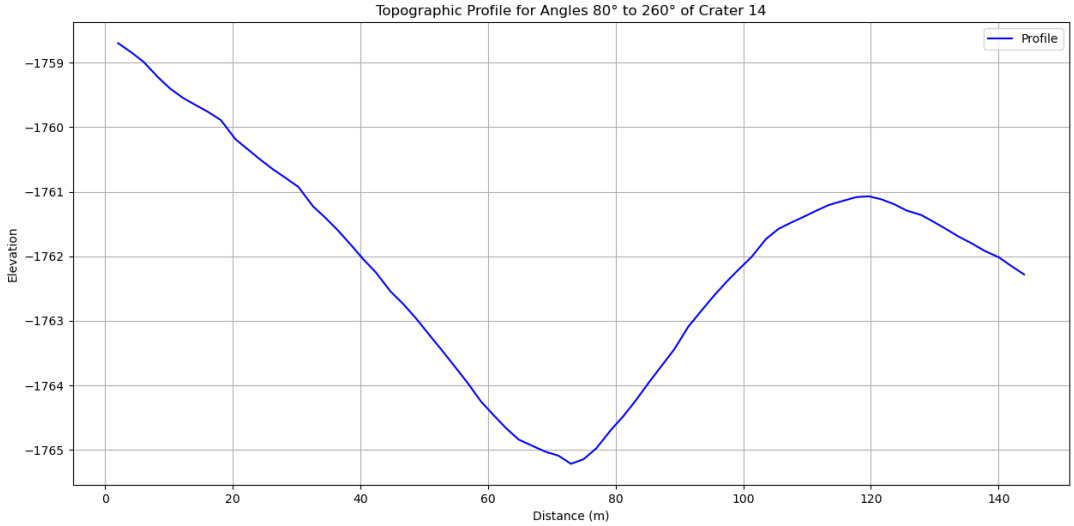

Topographic Profile for Angles 30° to 210° of Crater 14
Profile
Elevation
−1758
−1759
−1760
−1761
−1762
−1763
−1764
−1765
20
40
60
80
100
120
140
160
Distance (m)

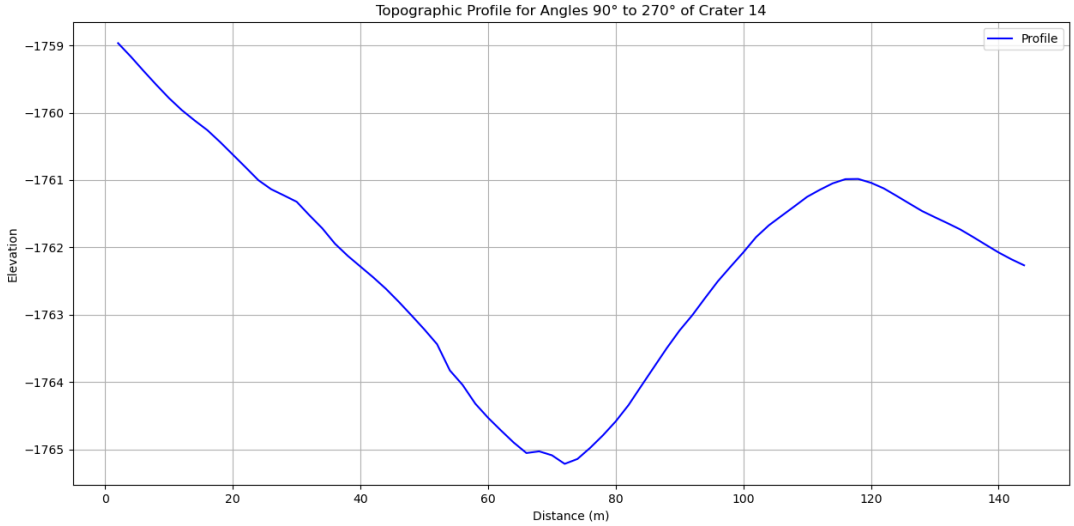

Topographic Profile for Angles 40° to 220° of Crater 14
Profile
Elevation
−1758
−1759
−1760
−1761
−1762
−1763
−1764
−1765
40
60
80
100
120
140
160
Distance (m)

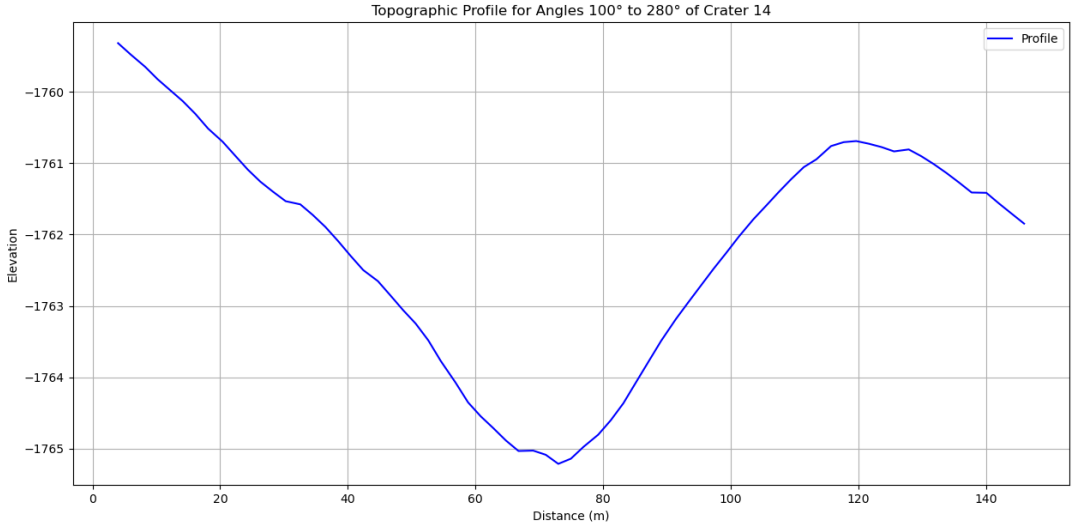

Topographic Profile for Angles 50° to 230° of Crater 14
Profile
Elevation
−1758
−1759
−1760
−1761
−1762
−1763
−1764
−1765
20
40
60
80
100
120
140
160
Distance (m)

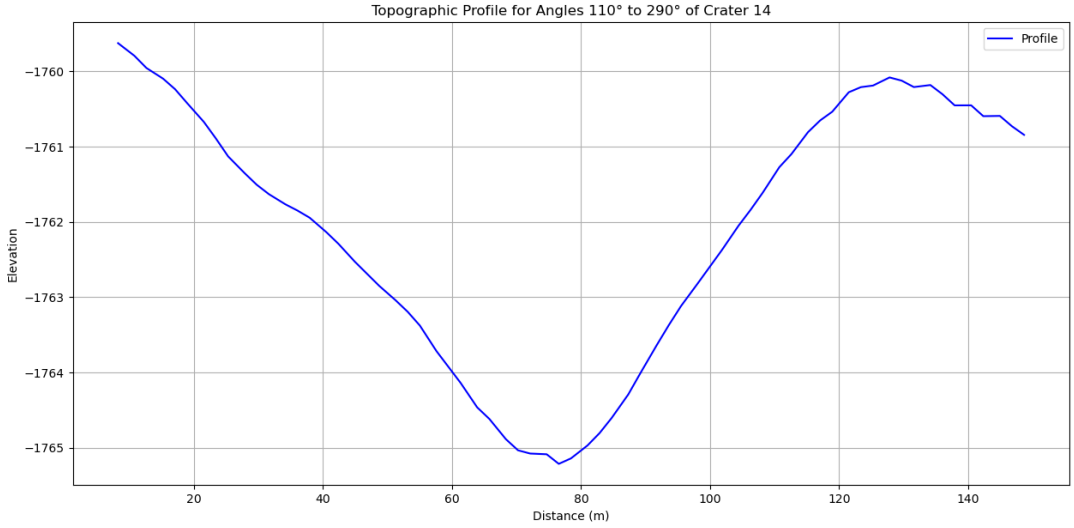

Topographic Profile for Angles 60° to 240° of Crater 14
Profile
Elevation
−1758
−1759
−1760
−1761
−1762
−1763
−1764
−1765
20
40
60
80
100
120
140
Distance (m)

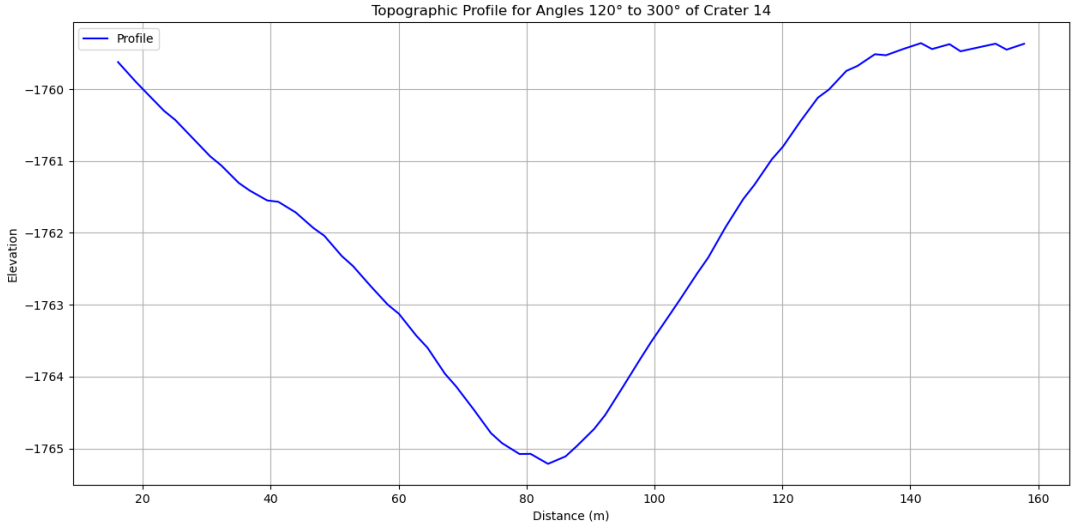

Topographic Profile for Angles 70° to 250° of Crater 14
Profile
Elevation
Distance (m)
−1758
−1759
−1760
−1761
−1762
−1763
−1764
−1765
0
20
40
60
80
100
120
140

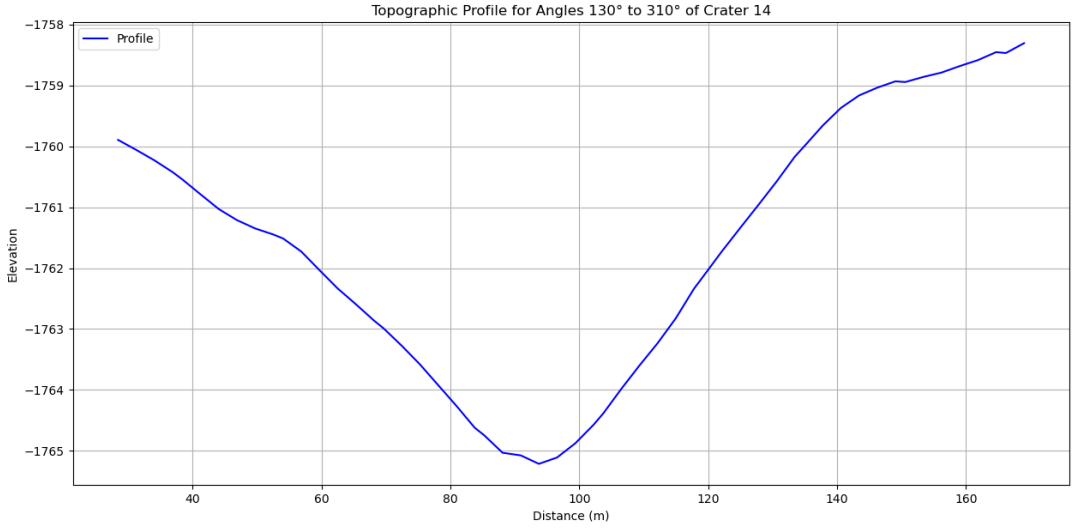

Topographic Profile for Angles 80° to 260° of Crater 14
Profile
Elevation
Distance (m)
−1759
−1760
−1761
−1762
−1763
−1764
−1765
0
20
40
60
80
100
120
140

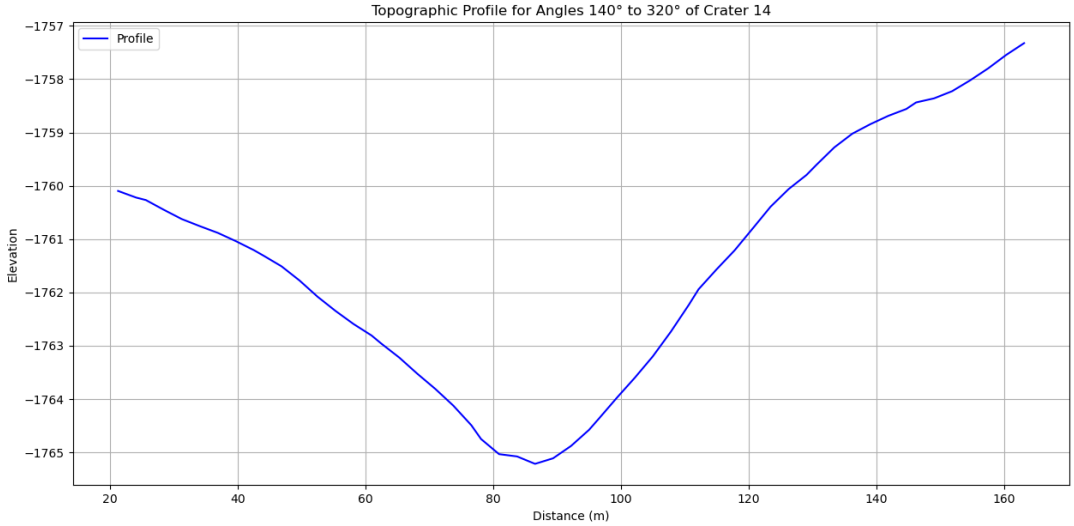

Topographic Profile for Angles 90° to 270° of Crater 14
Profile
Elevation
−1759
−1760
−1761
−1762
−1763
−1764
−1765
0
20
40
60
80
100
120
140
Distance (m)

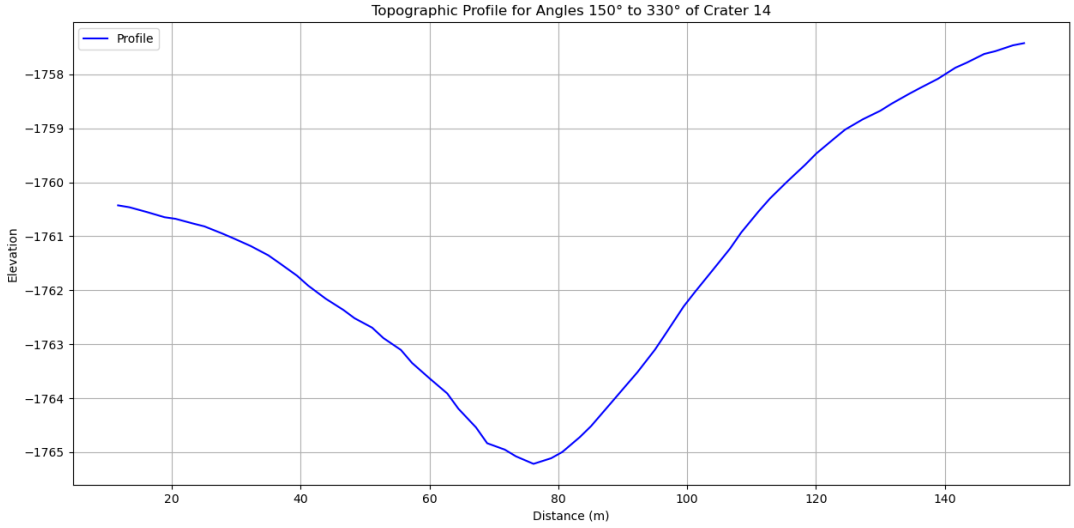

Topographic Profile for Angles 100° to 280° of Crater 14
Profile
Elevation
−1760
−1761
−1762
−1763
−1764
−1765
0
20
40
60
80
100
120
140
Distance (m)

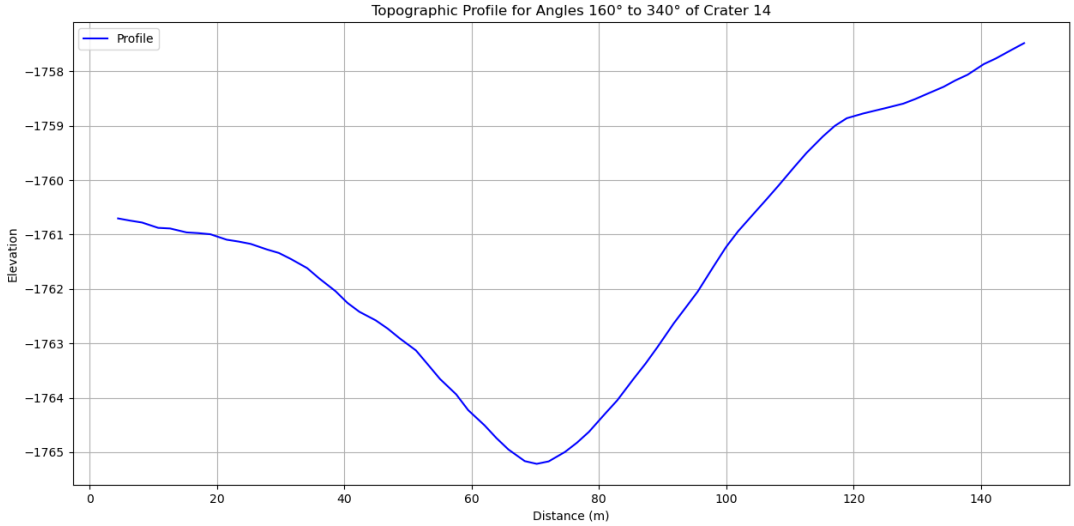

Topographic Profile for Angles 110° to 290° of Crater 14
Profile
Elevation
−1760
−1761
−1762
−1763
−1764
−1765
20
40
60
80
100
120
140
Distance (m)

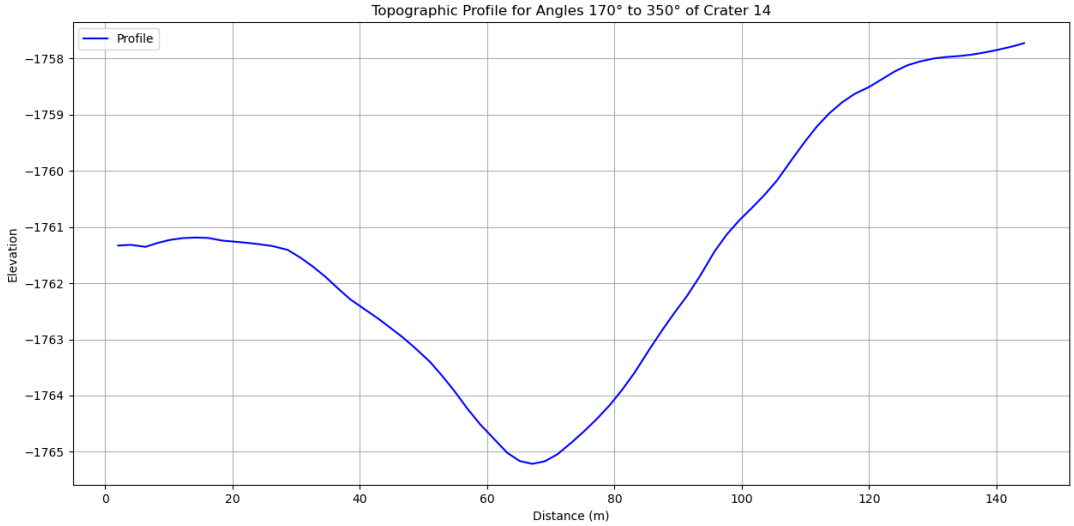

Topographic Profile for Angles 120° to 300° of Crater 14
Profile
Elevation
−1760
−1761
−1762
−1763
−1764
−1765
20
40
60
80
100
120
140
160
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 14
Profile
Elevation
Distance (m)
−1758
−1759
−1760
−1761
−1762
−1763
−1764
−1765
40
60
80
100
120
140
160


Topographic Profile for Angles 140° to 320° of Crater 14
Profile
Elevation
Distance (m)
−1757
−1758
−1759
−1760
−1761
−1762
−1763
−1764
−1765
20
40
60
80
100
120
140
160


Topographic Profile for Angles 150° to 330° of Crater 14
Profile
Elevation
−1758
−1759
−1760
−1761
−1762
−1763
−1764
−1765
20
40
60
80
100
120
140
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 14
Profile
Elevation
−1758
−1759
−1760
−1761
−1762
−1763
−1764
−1765
0
20
40
60
80
100
120
140
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 14
Profile
Elevation
−1758
−1759
−1760
−1761
−1762
−1763
−1764
−1765
0
20
40
60
80
100
120
140
Distance (m)