Crater report 458 of RG2

General information

ID : 458

Study area : RG2

Swirl : off-swirl

Morphology : Bowl-shaped

Estimate state of degradation : BC - C

Mean Diameter : 176m ± 8.0m

Mean depht : 12.5m ± 0.5m

d/D ratio : 0.071 ± 0.004

Circularity index : 0.9

Mean slope : 9.31°

Mean value of TRI on the rim crest : 0.40

Geometric center coordinates : (3656645.0177860763, 232091.93277780188)

Coordinates of the crater's lowest point : (3656645.0000011004, 232111.0000000685)

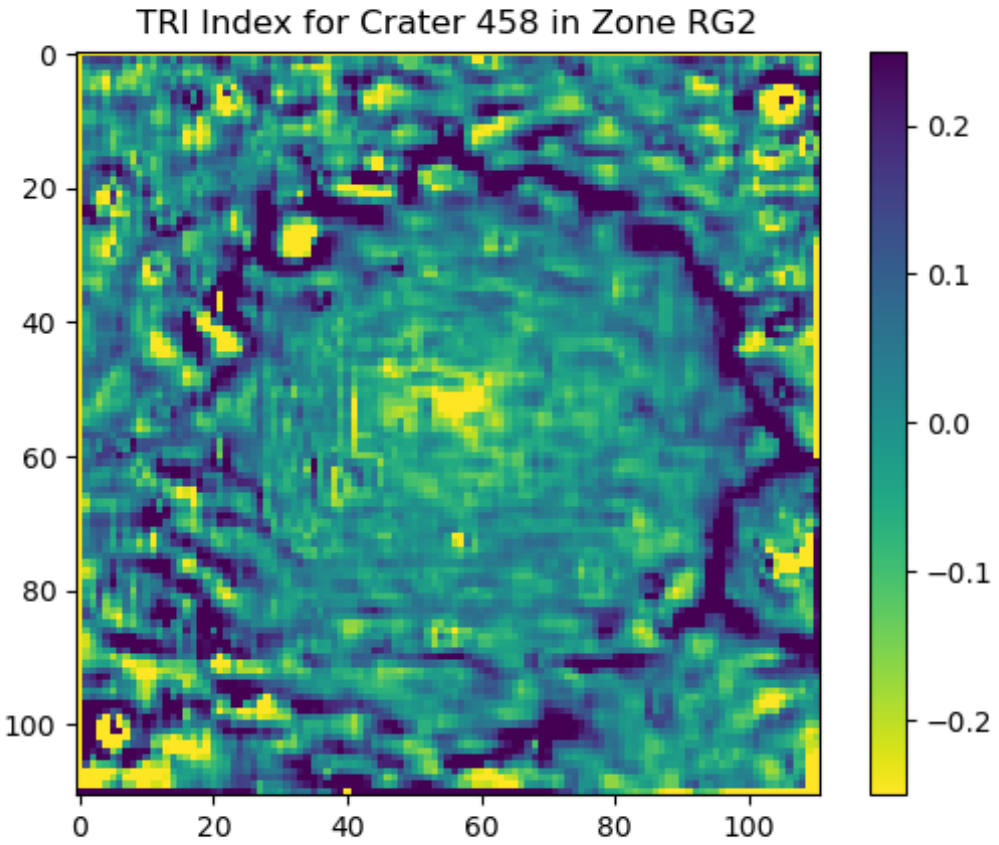
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	10.41	0.57
10°	10.03	0.54
20°	9.99	0.51
30°	10.14	0.48
40°	10.33	0.43
50°	9.93	0.43
60°	9.05	0.48
70°	9.02	0.51
80°	9.03	0.54
90°	9.6	0.57
100°	8.91	0.54
110°	8.32	0.51

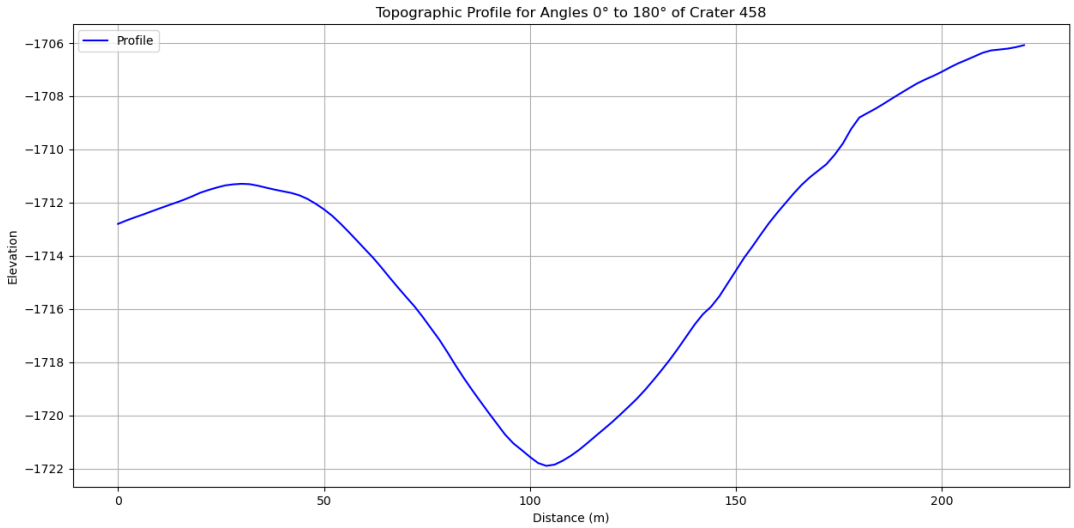
120°	8.12	0.48
130°	8.45	0.43
140°	8.83	0.43
150°	8.88	0.48
160°	8.87	0.51
170°	9.07	0.55
180°	9.69	0.57
190°	9.12	0.55
200°	8.74	0.52
210°	8.71	0.48
220°	9.26	0.43
230°	9.21	0.43
240°	9.07	0.48
250°	9.13	0.51
260°	9.24	0.54
270°	9.46	0.57
280°	9.26	0.55
290°	8.98	0.52
300°	9.14	0.48
310°	9.81	0.43
320°	10.03	0.43
330°	9.82	0.48
340°	9.7	0.51
350°	9.7	0.54

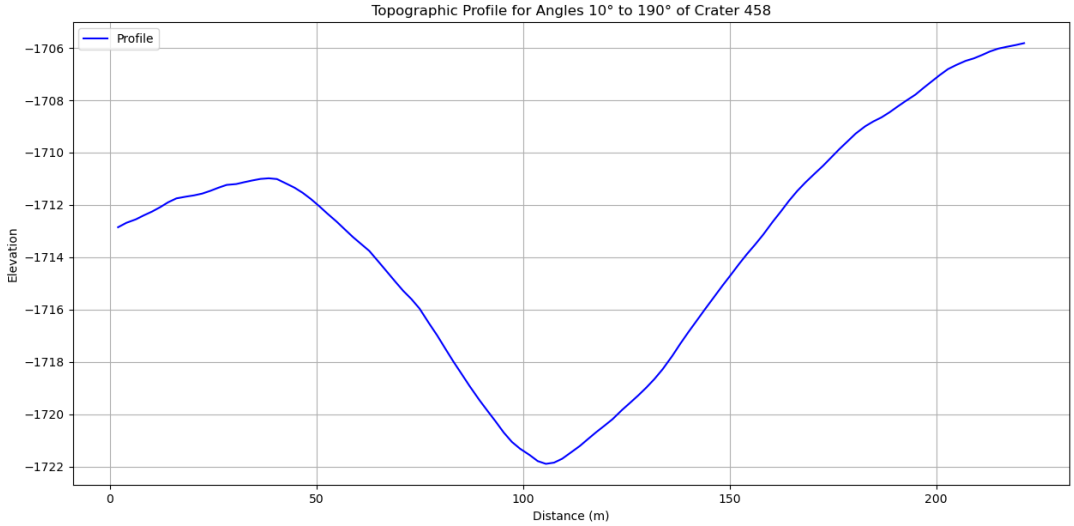
Topographic roughness index (TRI)

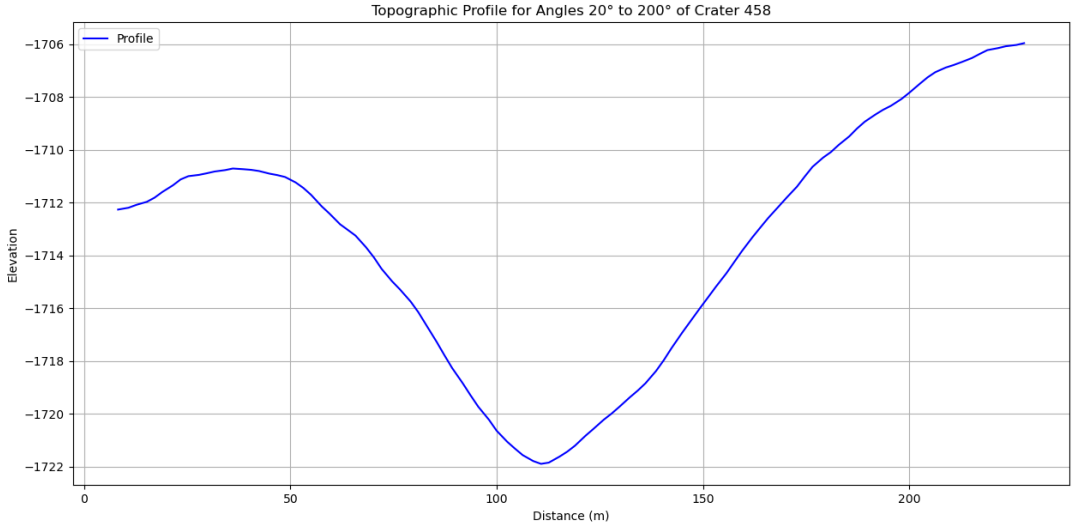
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

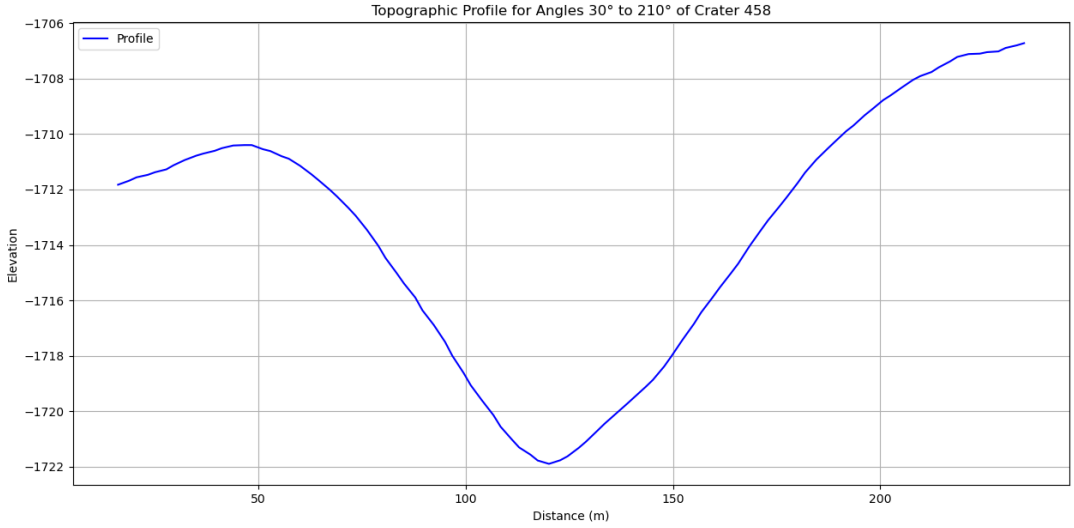


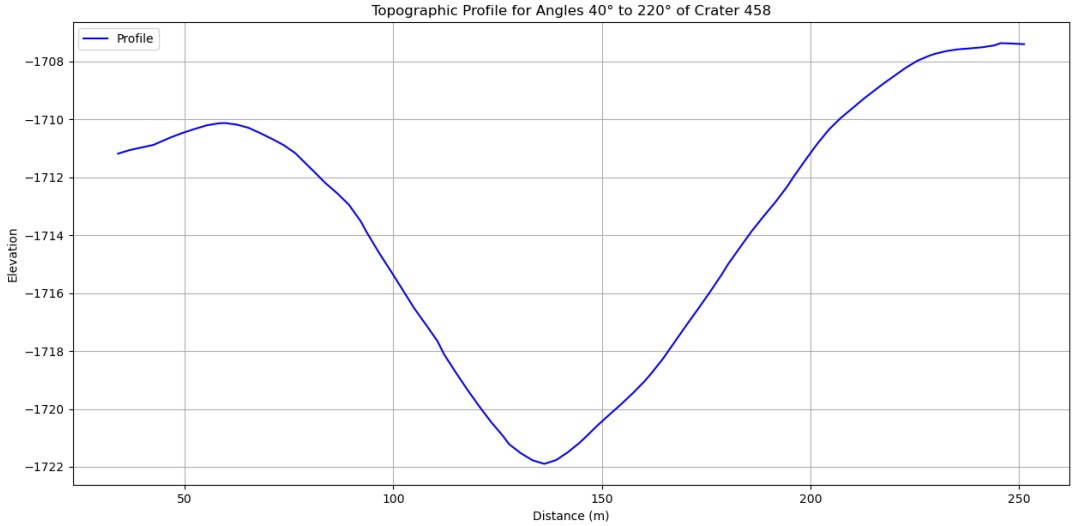
Topographic profiles

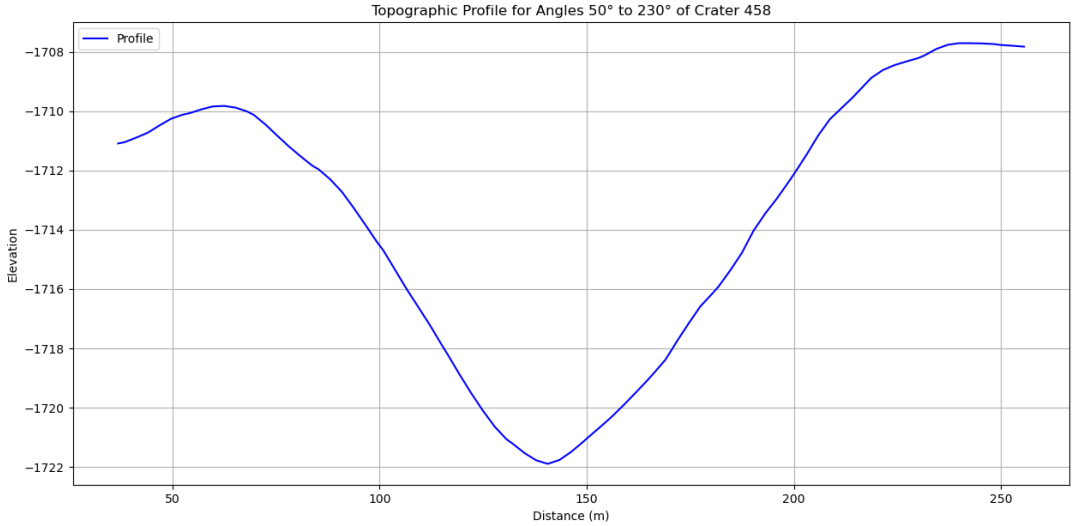


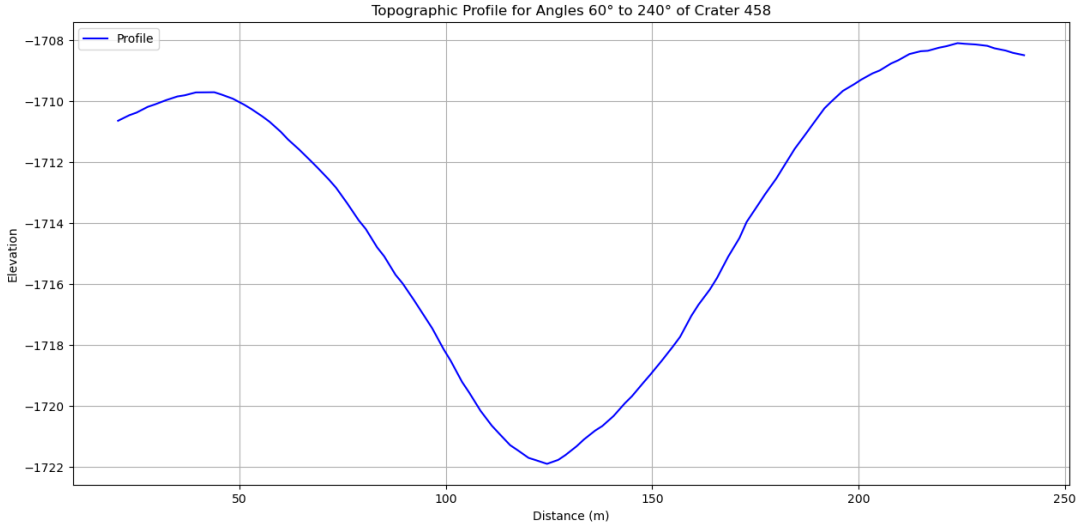

Topographic Profile for Angles 10° to 190° of Crater 458
Profile
Elevation
−1706
−1708
−1710
−1712
−1714
−1716
−1718
−1720
−1722
0
50
100
150
200
Distance (m)

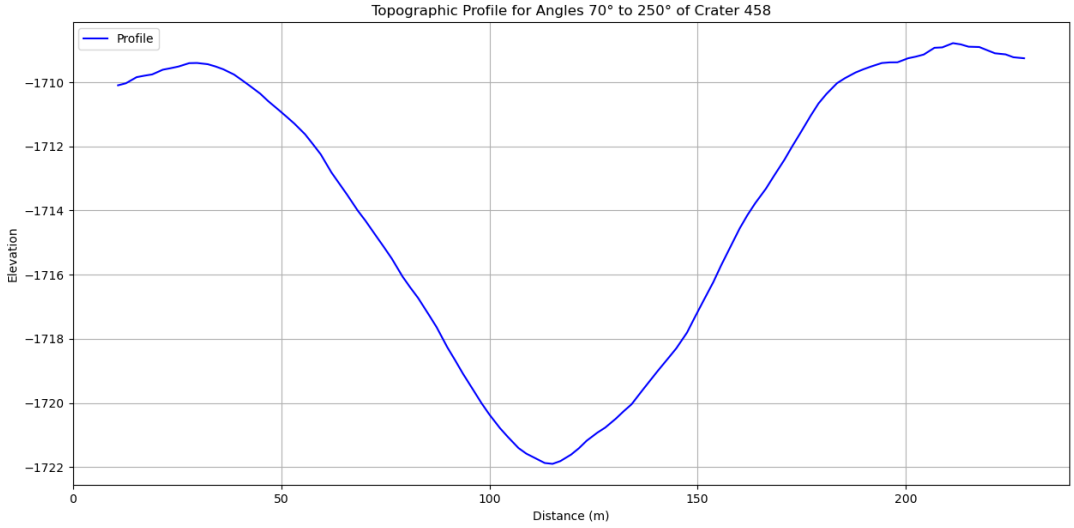

Topographic Profile for Angles 20° to 200° of Crater 458
Profile
Elevation
−1706
−1708
−1710
−1712
−1714
−1716
−1718
−1720
−1722
0
50
100
150
200
Distance (m)

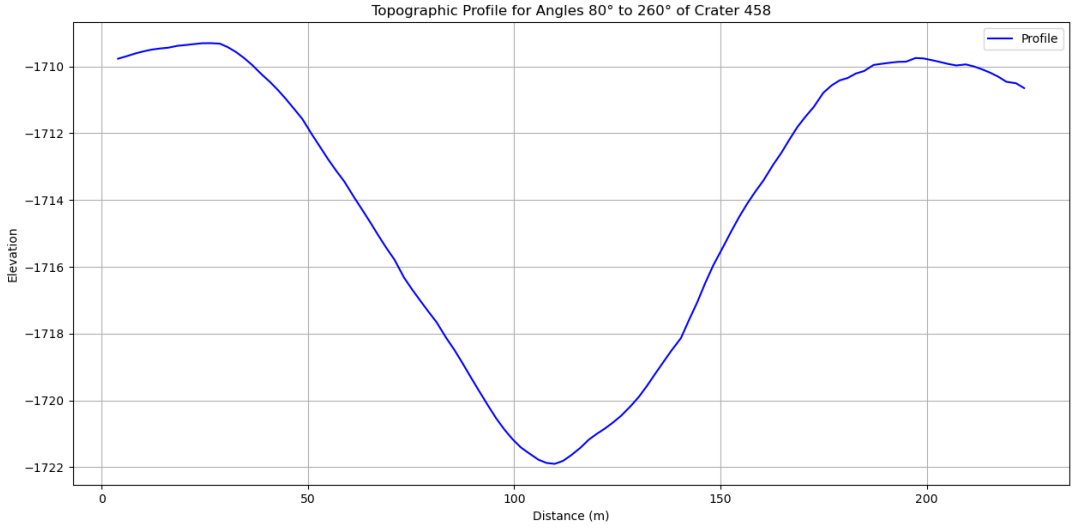

Topographic Profile for Angles 30° to 210° of Crater 458
Profile
Elevation
Distance (m)
−1706
−1708
−1710
−1712
−1714
−1716
−1718
−1720
−1722
50
100
150
200

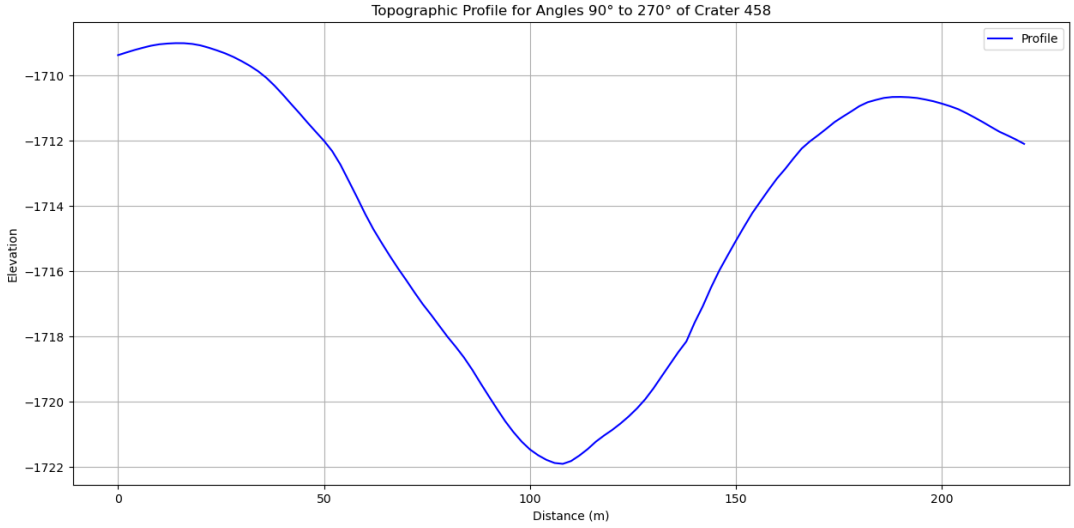

Topographic Profile for Angles 40° to 220° of Crater 458
Profile
Elevation
Distance (m)
−1708
−1710
−1712
−1714
−1716
−1718
−1720
−1722
50
100
150
200
250

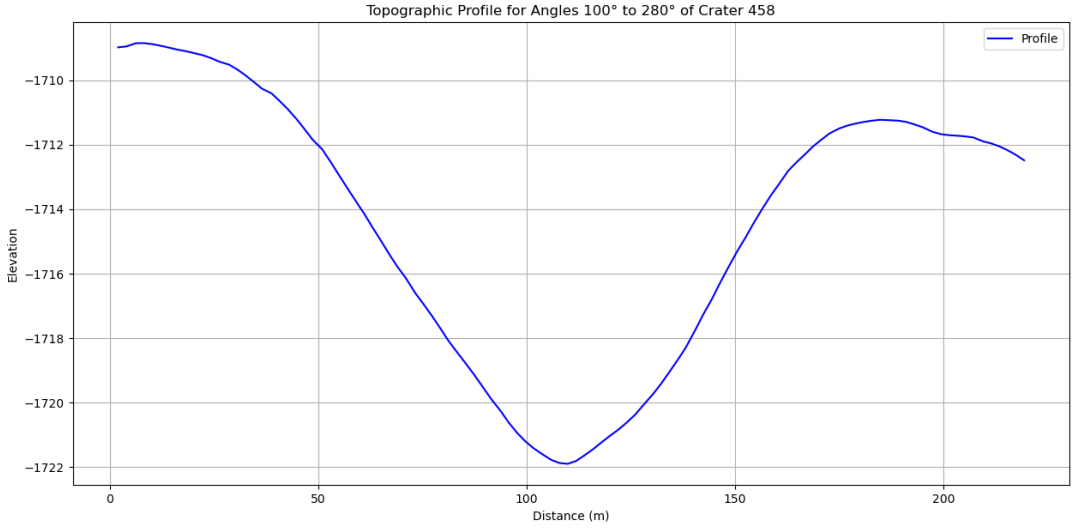

Topographic Profile for Angles 50° to 230° of Crater 458
Profile
Elevation
Distance (m)
−1708
−1710
−1712
−1714
−1716
−1718
−1720
−1722
50
100
150
200
250

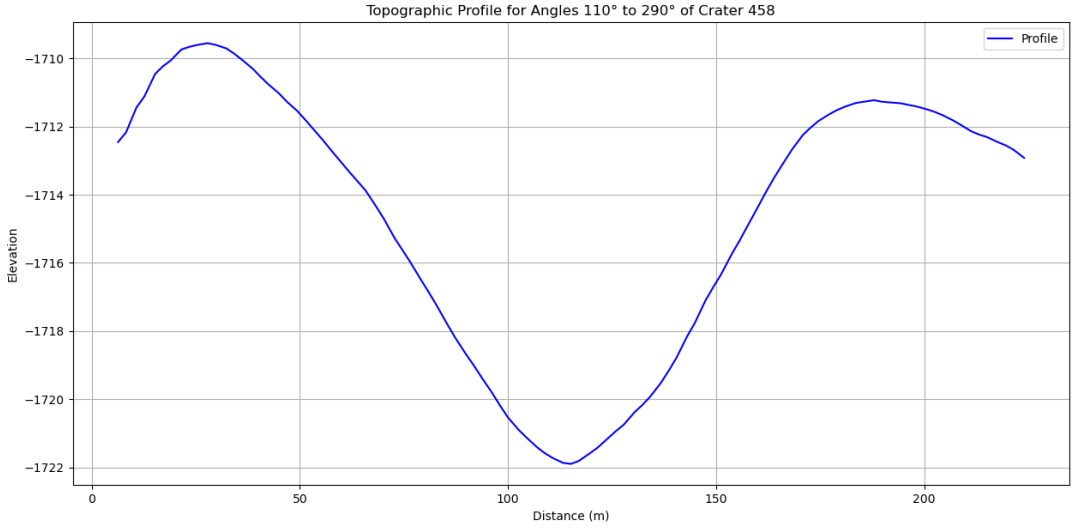

Topographic Profile for Angles 60° to 240° of Crater 458
Profile
Elevation
Distance (m)
−1708
−1710
−1712
−1714
−1716
−1718
−1720
−1722
50
100
150
200
250

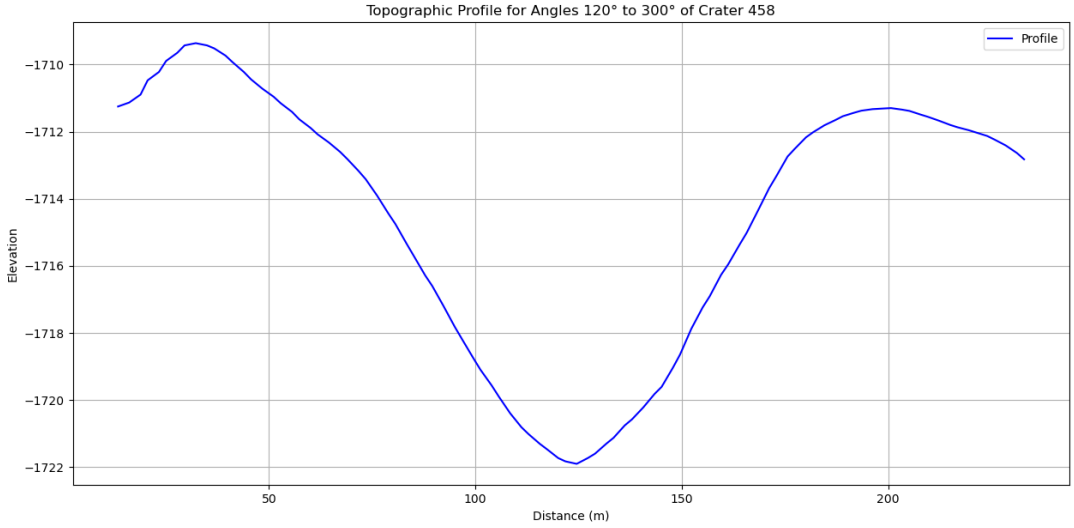

Topographic Profile for Angles 70° to 250° of Crater 458
Profile
Elevation
−1710
−1712
−1714
−1716
−1718
−1720
−1722
0
50
100
150
200
Distance (m)

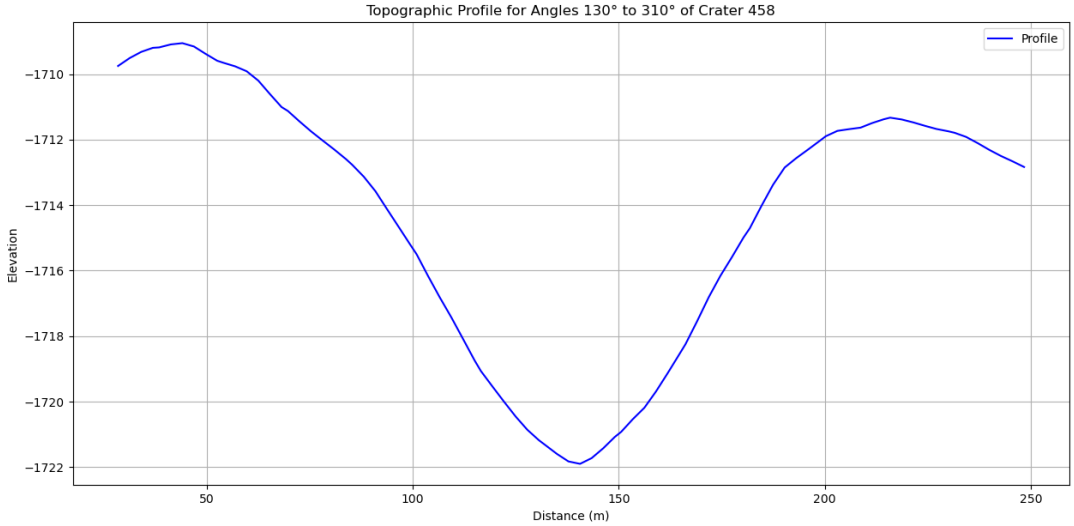

Topographic Profile for Angles 80° to 260° of Crater 458
Profile
Elevation
−1710
−1712
−1714
−1716
−1718
−1720
−1722
0
50
100
150
200
Distance (m)

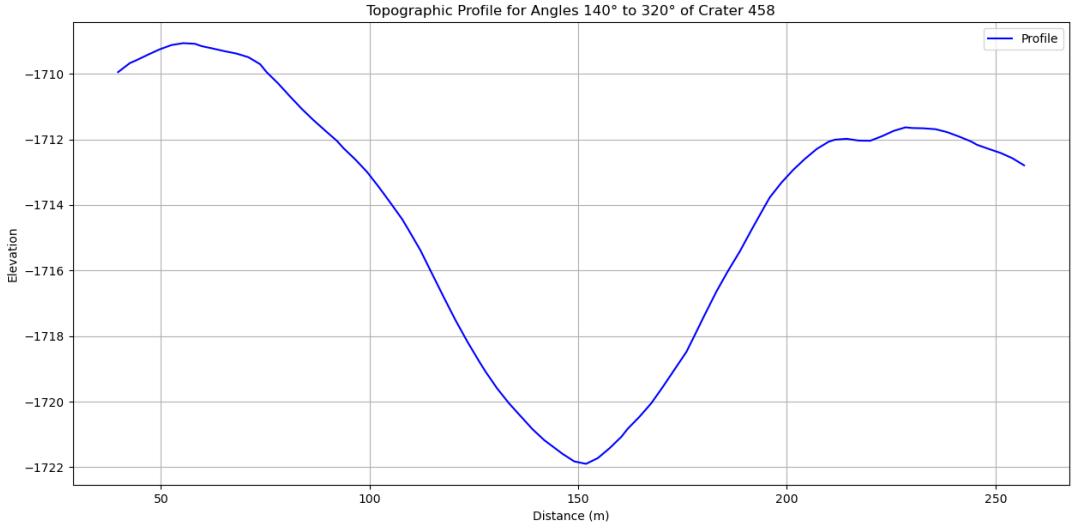

Topographic Profile for Angles 90° to 270° of Crater 458
Profile
Elevation
−1710
−1712
−1714
−1716
−1718
−1720
−1722
0
50
100
150
200
Distance (m)

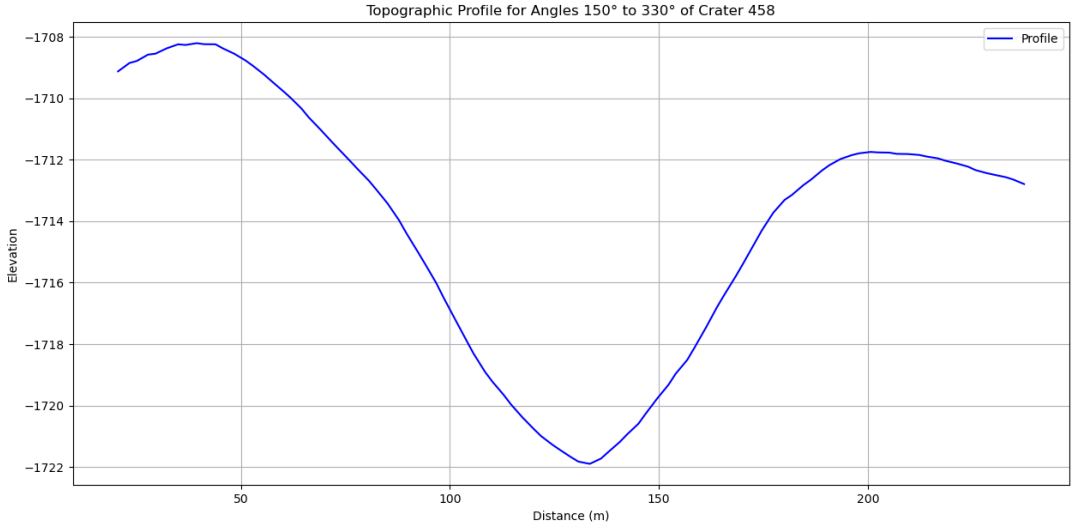

Topographic Profile for Angles 100° to 280° of Crater 458
Profile
Elevation
−1710
−1712
−1714
−1716
−1718
−1720
−1722
0
50
100
150
200
Distance (m)

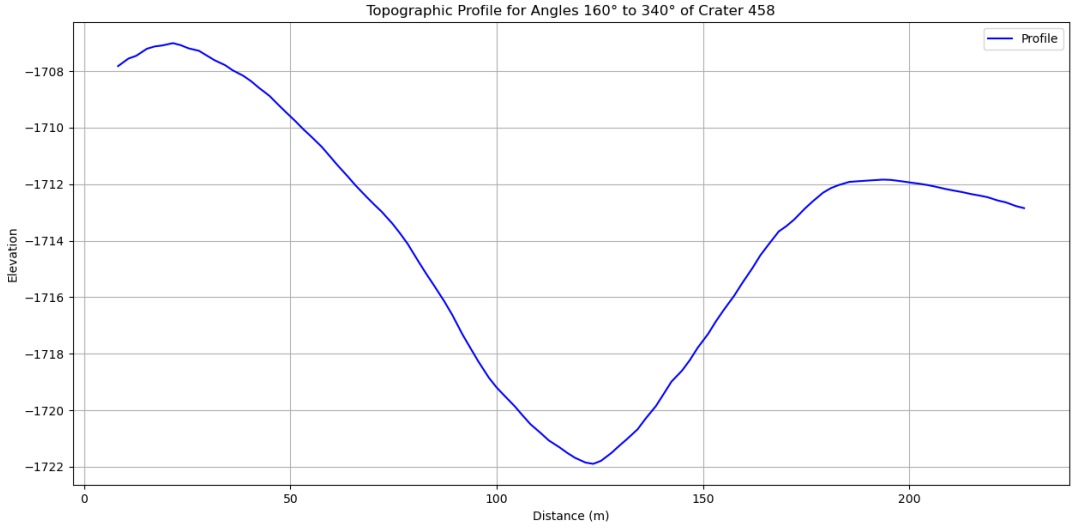

Topographic Profile for Angles 110° to 290° of Crater 458
Profile
Elevation
Distance (m)
−1710
−1712
−1714
−1716
−1718
−1720
−1722
0
50
100
150
200

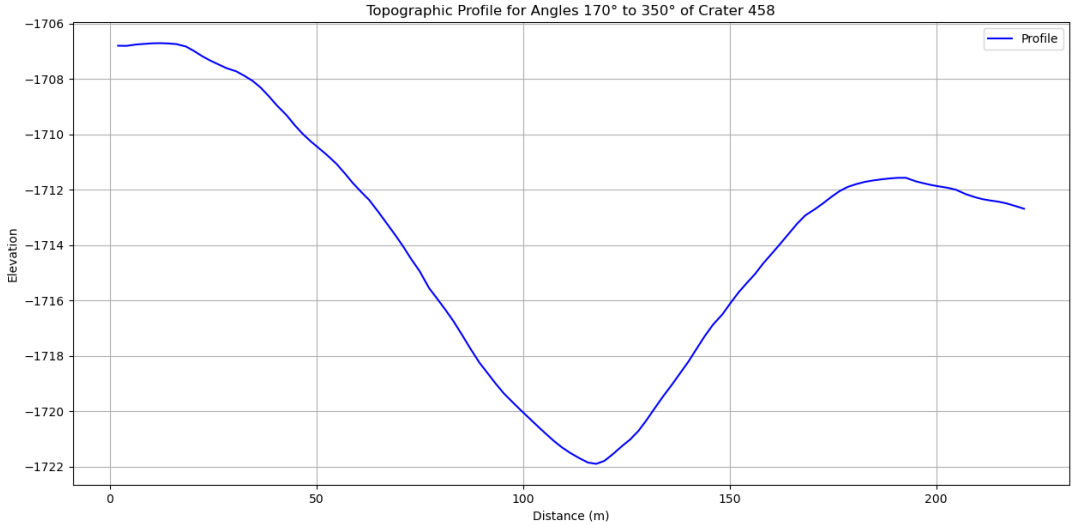

Topographic Profile for Angles 120° to 300° of Crater 458
Profile
Elevation
Distance (m)
−1710
−1712
−1714
−1716
−1718
−1720
−1722
50
100
150
200


Topographic Profile for Angles 130° to 310° of Crater 458
Profile
Elevation
−1710
−1712
−1714
−1716
−1718
−1720
−1722
50
100
150
200
250
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 458
Profile
Elevation
−1710
−1712
−1714
−1716
−1718
−1720
−1722
50
100
150
200
250
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 458
Profile
Elevation
−1708
−1710
−1712
−1714
−1716
−1718
−1720
−1722
50
100
150
200
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 458
Profile
Elevation
−1708
−1710
−1712
−1714
−1716
−1718
−1720
−1722
0
50
100
150
200
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 458
Profile
Elevation
−1706
−1708
−1710
−1712
−1714
−1716
−1718
−1720
−1722
0
50
100
150
200
Distance (m)