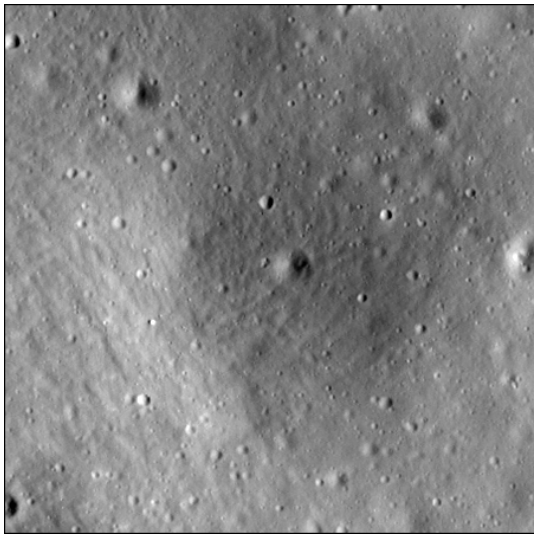
Crater report 1640 of RG2

General information



ID : 1640

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : BC - C

Mean Diameter : 243m ± 14.0m

Mean depht : 15.0m ± 1.8m

d/D ratio : 0.062 ± 0.008

Circularity index : 0.91

Mean slope : 6.88°

Mean value of TRI on the rim crest : 0.09

Geometric center coordinates : (3655736.6036298564, 222196.02716457887)

Coordinates of the crater's lowest point : (3655697.0000011, 222211.00000006554)

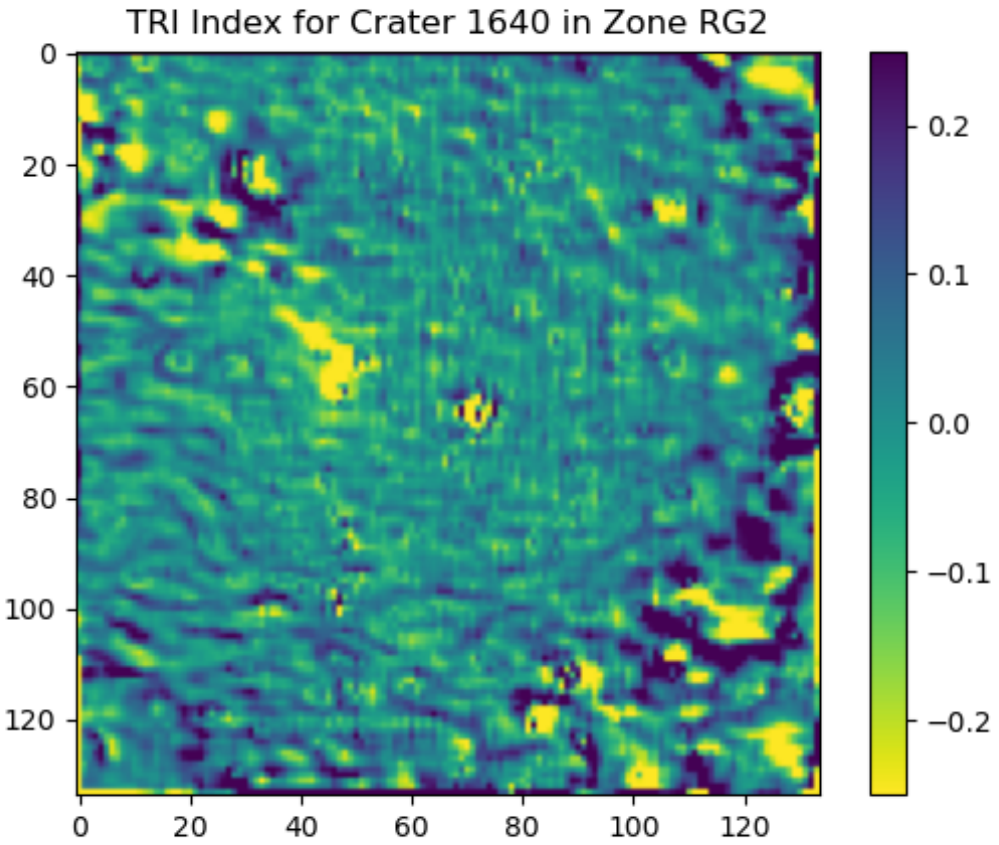
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	3.7	0.57
10°	4.12	0.55
20°	4.92	0.52
30°	6.09	0.48
40°	6.67	0.43
50°	6.8	0.43
60°	6.76	0.48
70°	6.89	0.52
80°	6.84	0.54
90°	7.92	0.57
100°	8.22	0.54
110°	8.08	0.52

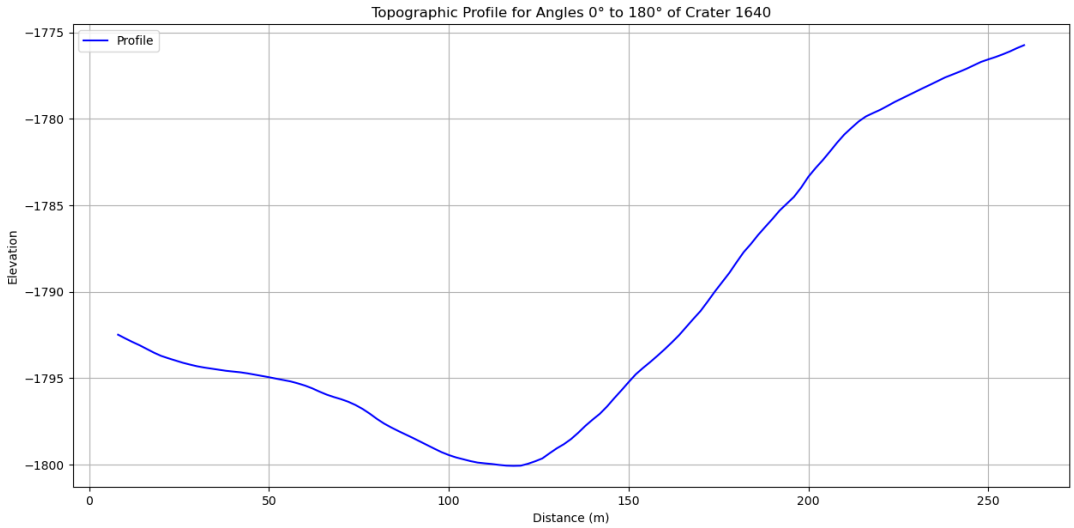
120°	8.0	0.48
130°	8.77	0.43
140°	9.25	0.43
150°	9.25	0.48
160°	9.07	0.52
170°	10.26	0.54
180°	11.71	0.57
190°	11.26	0.54
200°	10.75	0.52
210°	10.62	0.48
220°	10.45	0.43
230°	9.27	0.43
240°	7.69	0.48
250°	6.77	0.52
260°	5.92	0.55
270°	5.6	0.57
280°	4.72	0.54
290°	3.84	0.51
300°	3.24	0.48
310°	2.84	0.42
320°	2.5	0.43
330°	2.61	0.48
340°	3.19	0.52
350°	3.1	0.54

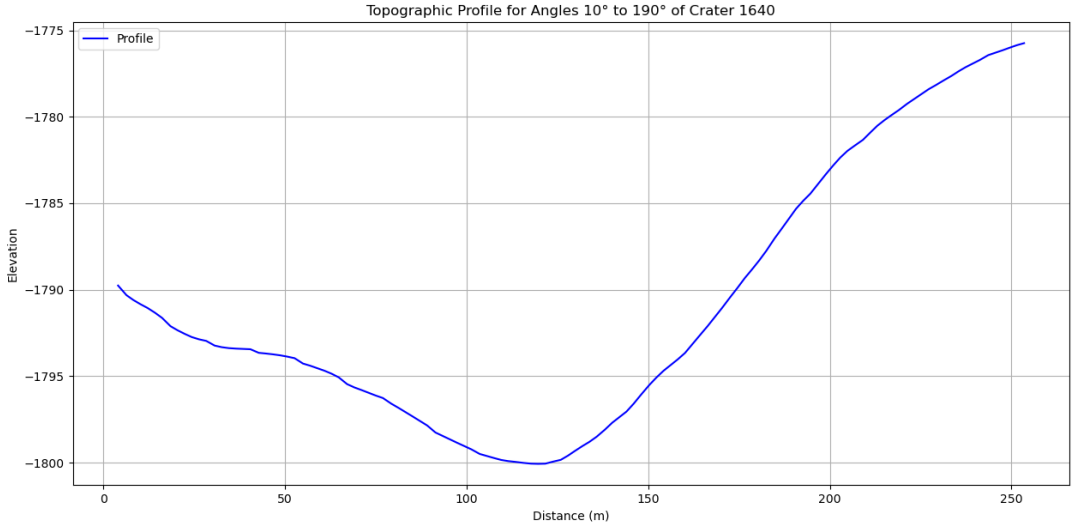
Topographic roughness index (TRI)

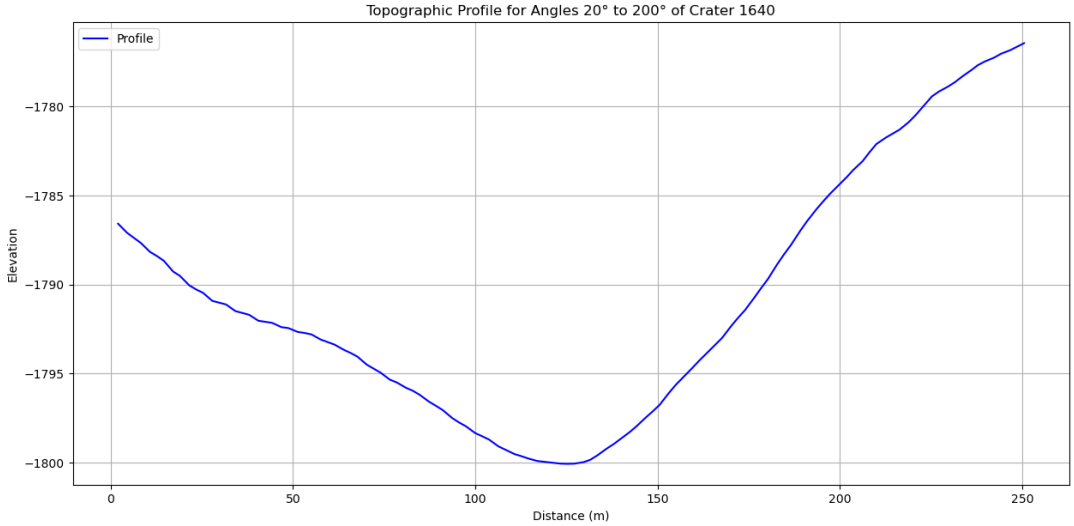
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

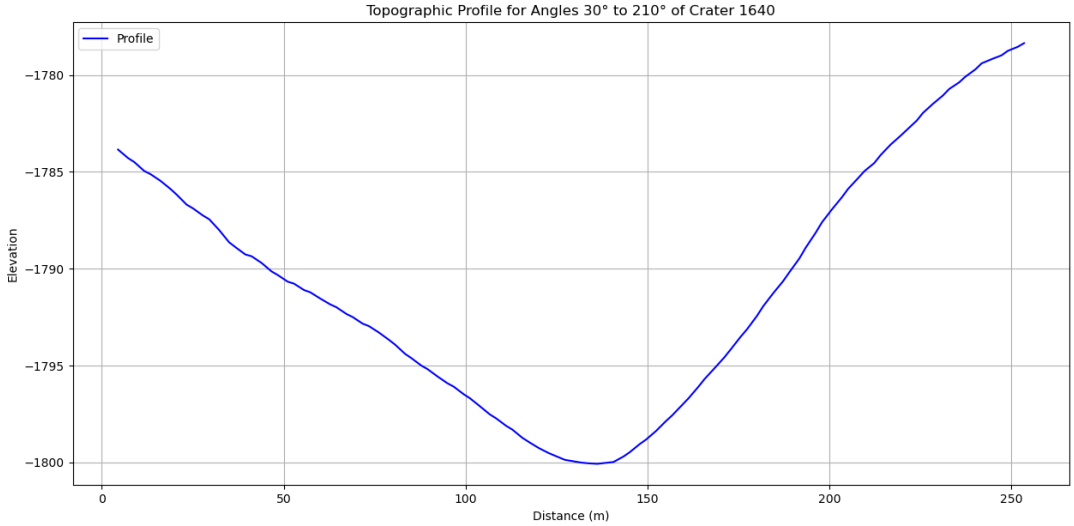


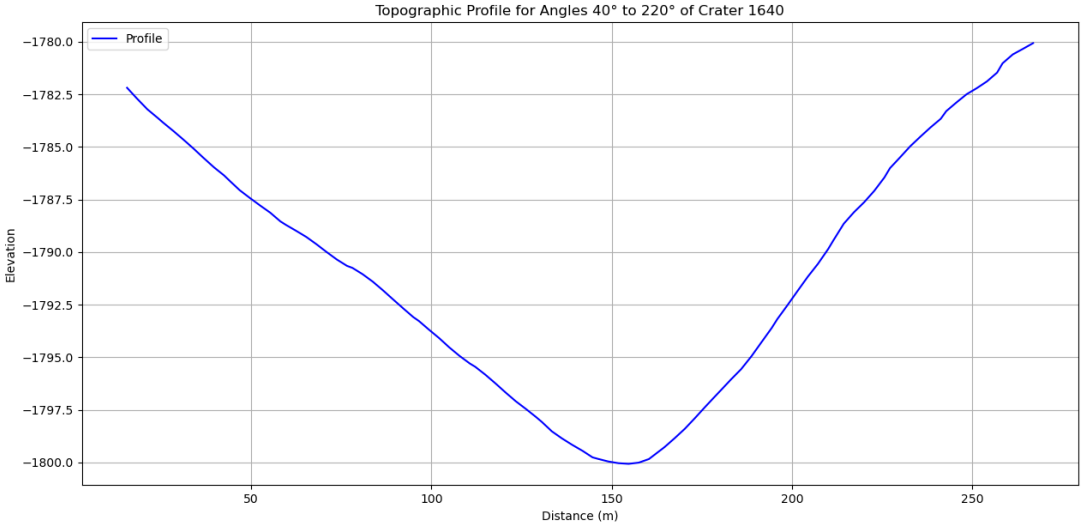
Topographic profiles

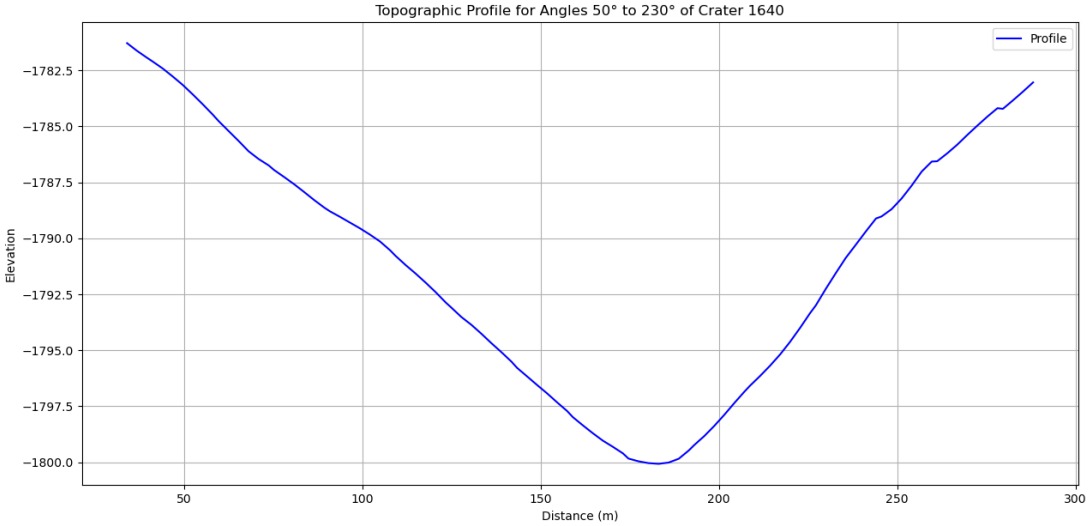


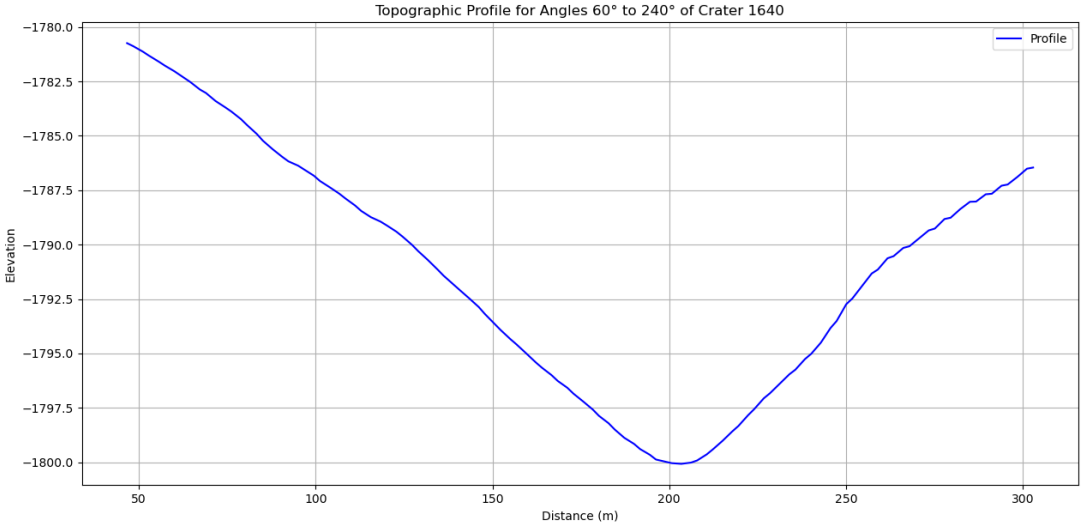

Topographic Profile for Angles 10° to 190° of Crater 1640
Profile
Elevation
Distance (m)
−1775
−1780
−1785
−1790
−1795
−1800
0
50
100
150
200
250

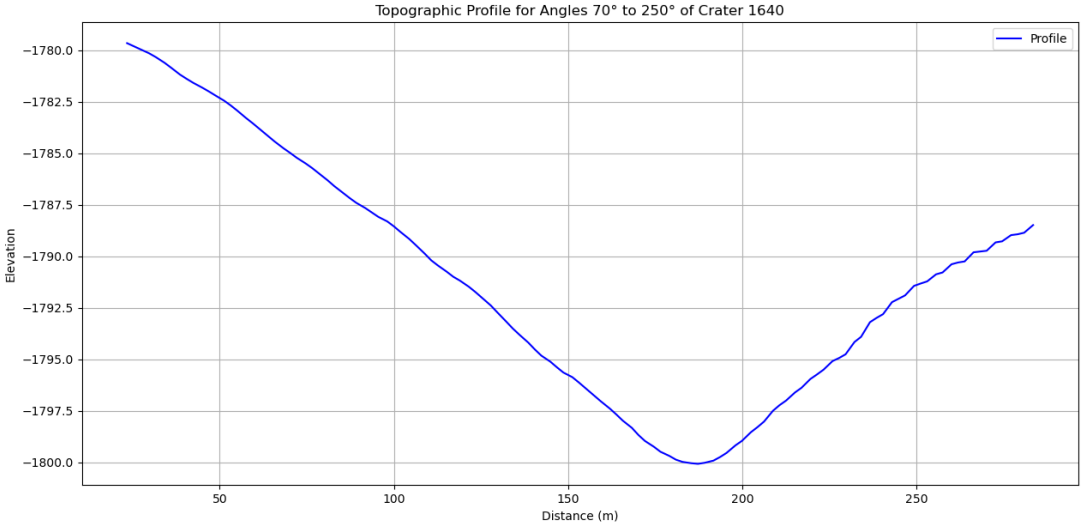

Topographic Profile for Angles 20° to 200° of Crater 1640
Profile
Elevation
Distance (m)
−1780
−1785
−1790
−1795
−1800
0
50
100
150
200
250

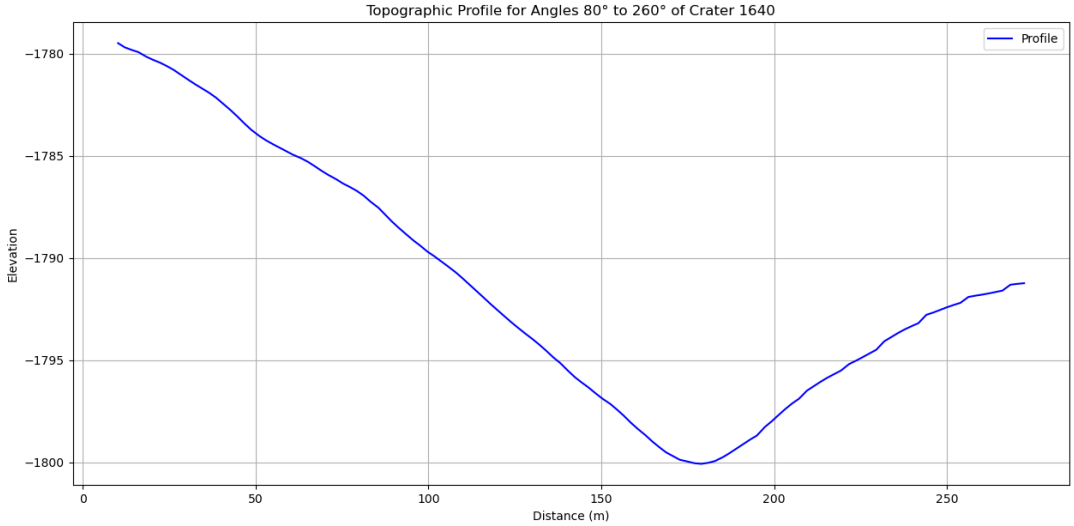

Topographic Profile for Angles 30° to 210° of Crater 1640
Profile
−1780
−1785
−1790
−1795
−1800
Elevation
0
50
100
150
200
250
Distance (m)

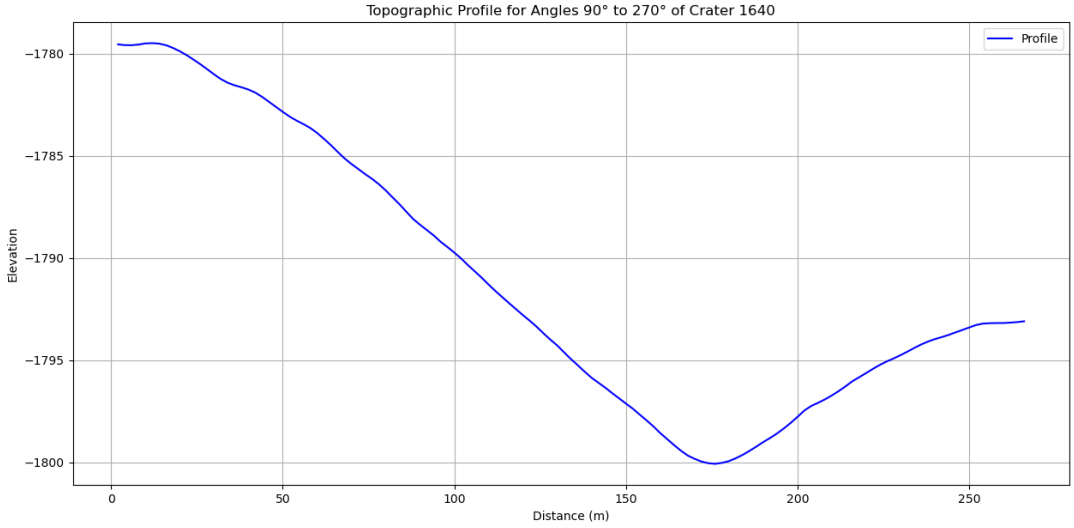

Topographic Profile for Angles 40° to 220° of Crater 1640
Profile
−1780.0
−1782.5
−1785.0
−1787.5
−1790.0
−1792.5
−1795.0
−1797.5
−1800.0
Elevation
50
100
150
200
250
Distance (m)

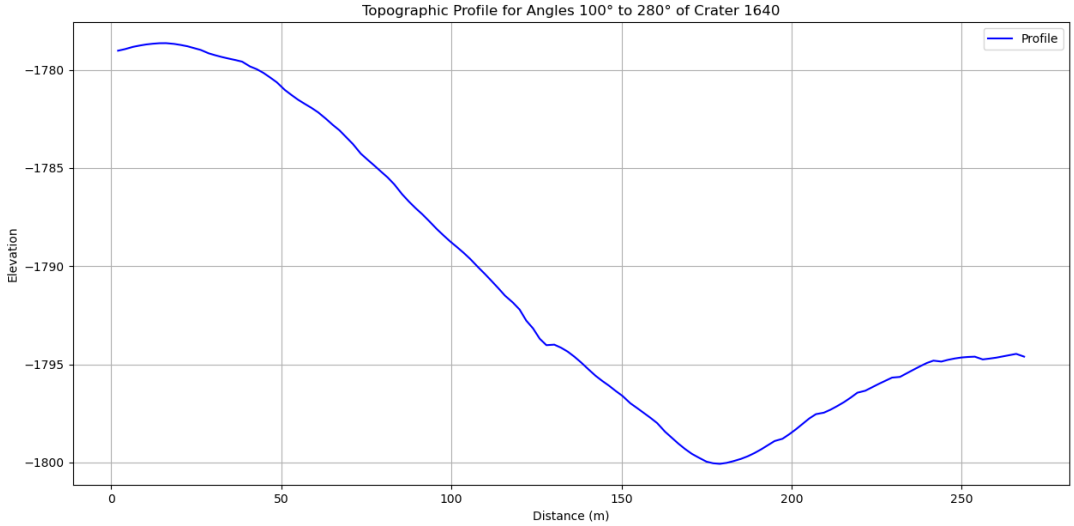

Topographic Profile for Angles 50° to 230° of Crater 1640
Profile
Elevation
−1782.5
−1785.0
−1787.5
−1790.0
−1792.5
−1795.0
−1797.5
−1800.0
50
100
150
200
250
300
Distance (m)

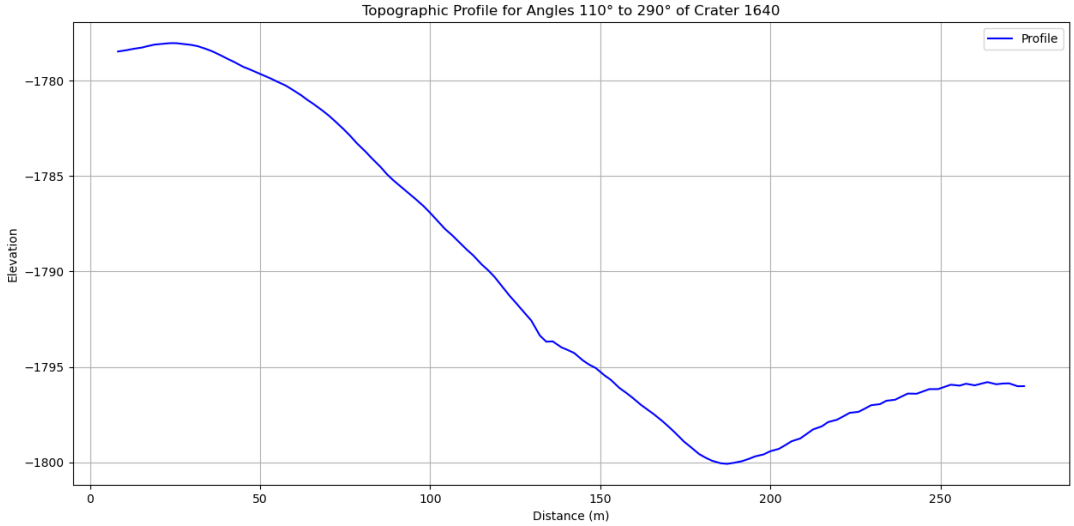

Topographic Profile for Angles 60° to 240° of Crater 1640
Profile
Elevation
−1780.0
−1782.5
−1785.0
−1787.5
−1790.0
−1792.5
−1795.0
−1797.5
−1800.0
50
100
150
200
250
300
Distance (m)

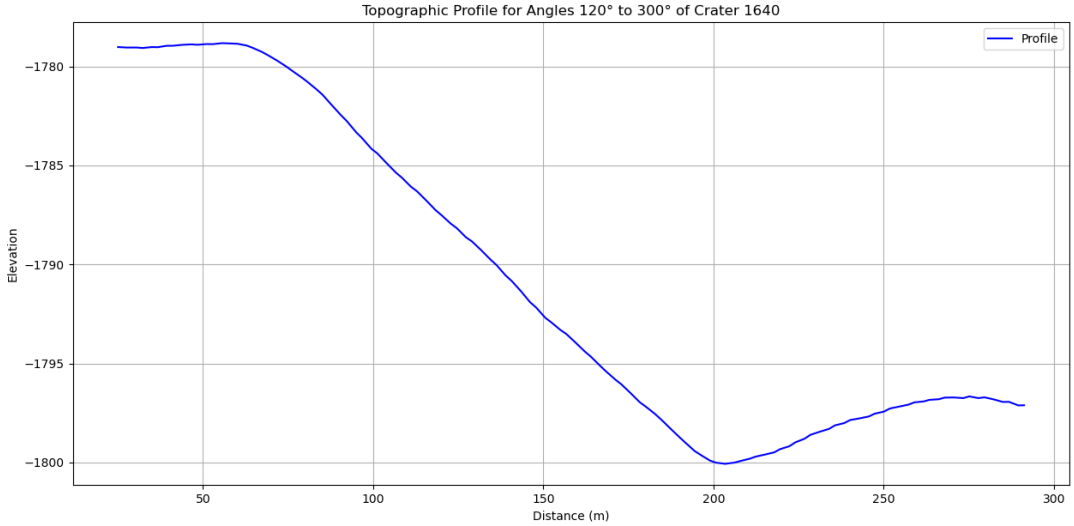

Topographic Profile for Angles 70° to 250° of Crater 1640
Profile
−1780.0
−1782.5
−1785.0
−1787.5
−1790.0
−1792.5
−1795.0
−1797.5
−1800.0
Elevation
50
100
150
200
250
Distance (m)

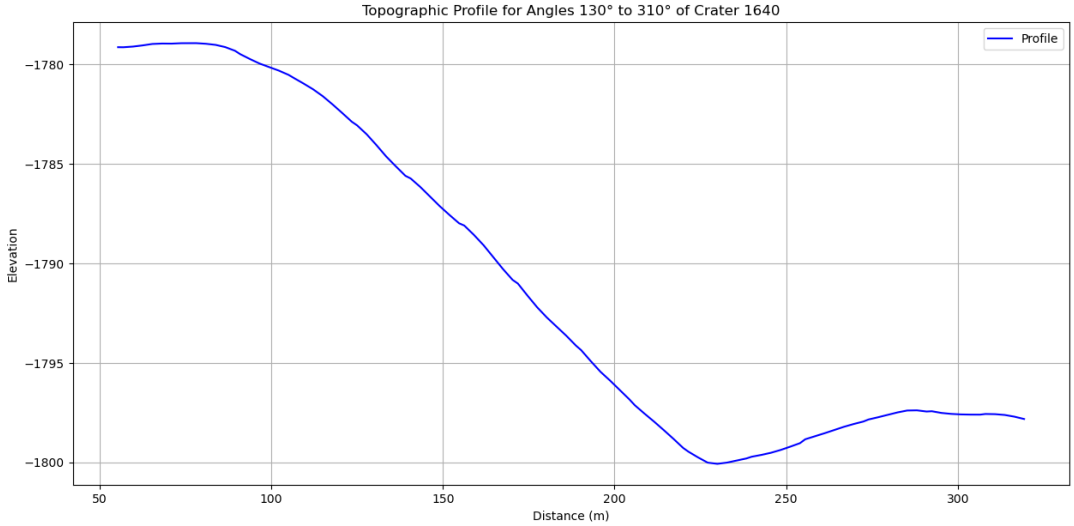

Topographic Profile for Angles 80° to 260° of Crater 1640
Profile
−1780
−1785
−1790
−1795
−1800
Elevation
0
50
100
150
200
250
Distance (m)

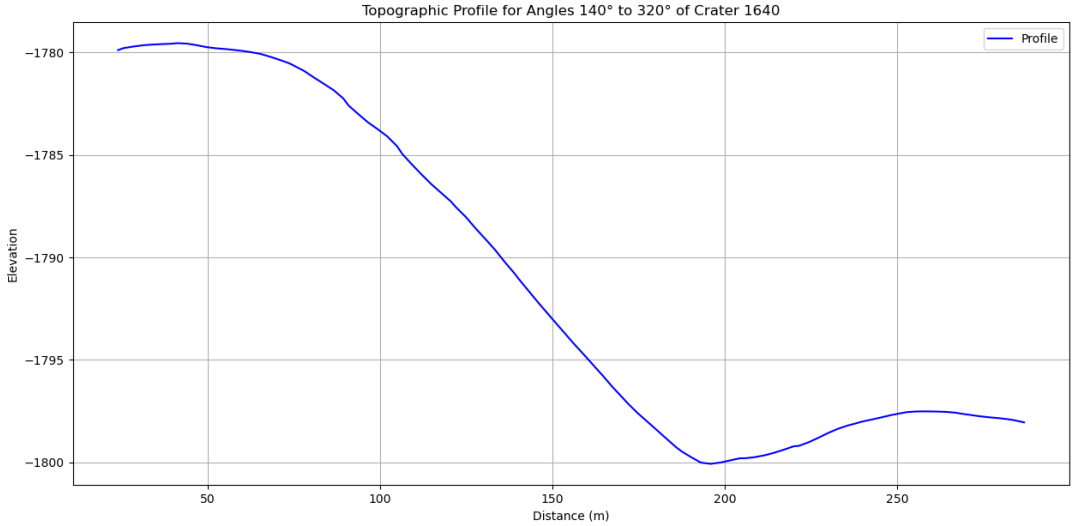

Topographic Profile for Angles 90° to 270° of Crater 1640
Profile
Elevation
−1780
−1785
−1790
−1795
−1800
0
50
100
150
200
250
Distance (m)

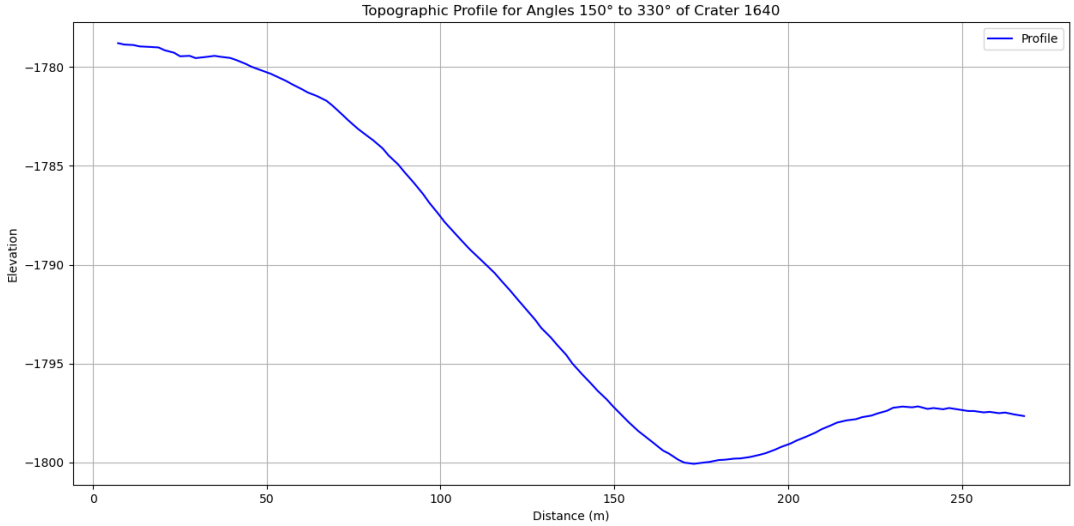

Topographic Profile for Angles 100° to 280° of Crater 1640
Profile
Elevation
−1780
−1785
−1790
−1795
−1800
0
50
100
150
200
250
Distance (m)

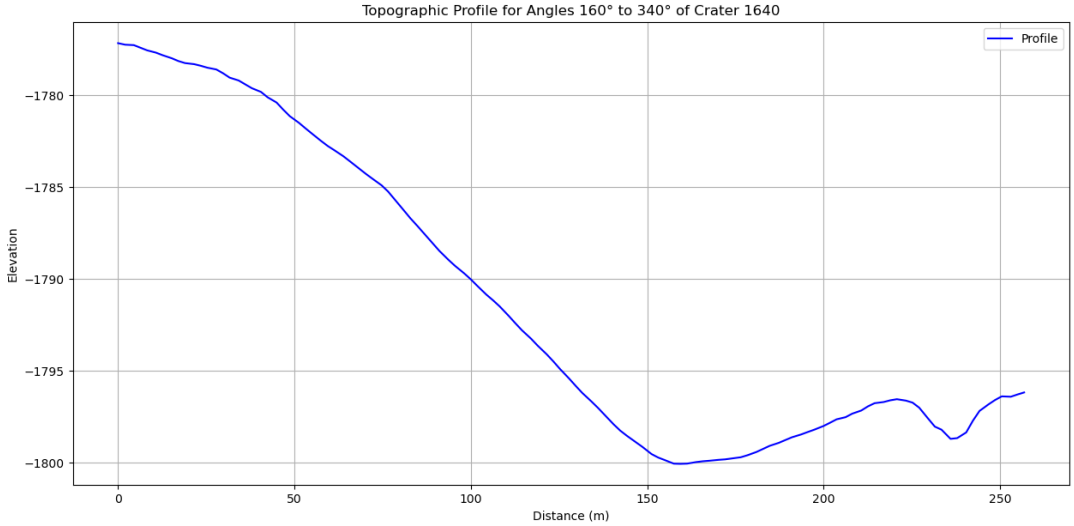

Topographic Profile for Angles 110° to 290° of Crater 1640
Profile
Elevation
−1780
−1785
−1790
−1795
−1800
0
50
100
150
200
250
Distance (m)

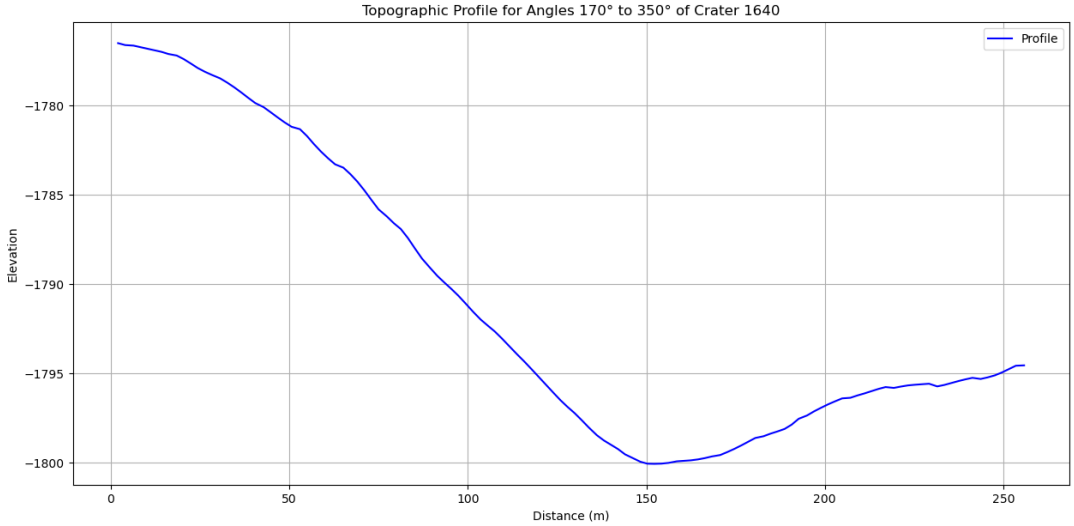

Topographic Profile for Angles 120° to 300° of Crater 1640
Profile
Elevation
−1780
−1785
−1790
−1795
−1800
50
100
150
200
250
300
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 1640
Profile
Elevation
−1780
−1785
−1790
−1795
−1800
50
100
150
200
250
300
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 1640
Profile
Elevation
−1780
−1785
−1790
−1795
−1800
50
100
150
200
250
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 1640
Profile
Elevation
−1780
−1785
−1790
−1795
−1800
0
50
100
150
200
250
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 1640
Profile
Elevation
−1780
−1785
−1790
−1795
−1800
0
50
100
150
200
250
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 1640
Profile
Elevation
−1780
−1785
−1790
−1795
−1800
0
50
100
150
200
250
Distance (m)