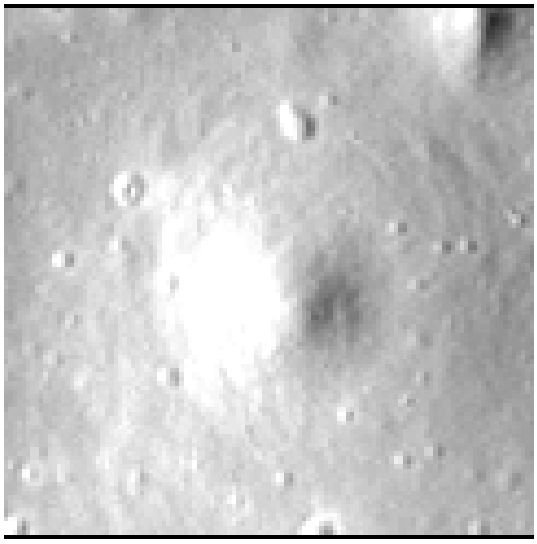
Crater report 1844 of RG7

General information



ID : 1844

Study area : RG7

Swirl : on-swirl

Morphology : Bowl-shaped

State of degradation : C

Mean Diameter : 147m ± 6.0m

Mean depht : 7.5m ± 1.0m

d/D ratio : 0.051 ± 0.007

Circularity index : 0.96

Mean slope : 5.84°

Geometric center coordinates :
(3631638.450872076, 233873.67894712172)

Coordinates of the crater's lowest point :
(3631657.4999999, 233862.4999999904)

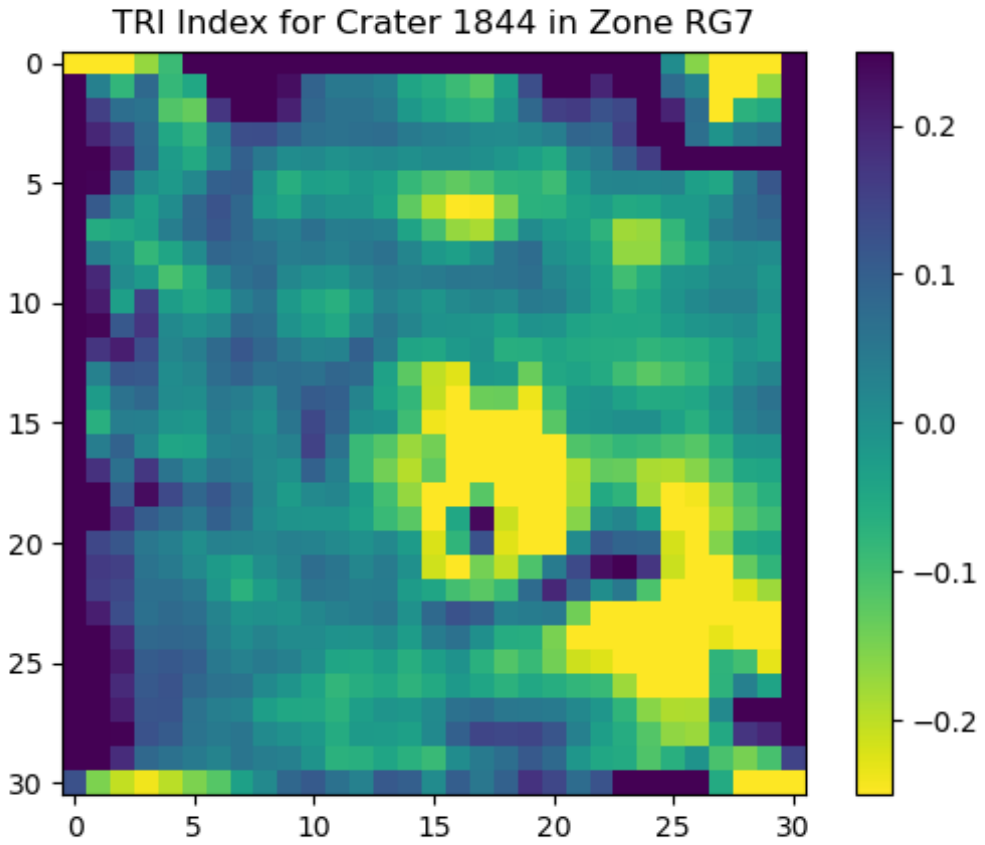
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	6.94	0.18
10°	6.65	0.18
20°	6.26	0.18
30°	6.14	0.18
40°	6.42	0.18
50°	6.26	0.18
60°	5.59	0.19
70°	5.11	0.2
80°	4.83	0.21
90°	4.26	0.22
100°	3.42	0.2
110°	2.77	0.2

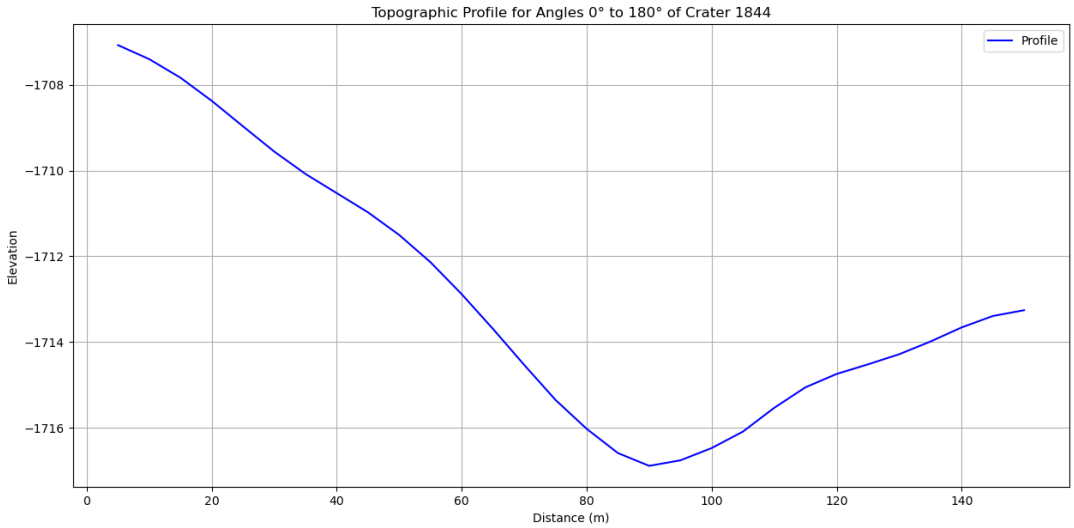
120°	2.89	0.25
130°	3.58	0.27
140°	3.58	0.27
150°	3.24	0.29
160°	2.68	0.25
170°	2.99	0.23
180°	3.68	0.22
190°	3.9	0.22
200°	4.48	0.2
210°	5.42	0.2
220°	6.32	0.16
230°	7.06	0.16
240°	7.72	0.17
250°	7.89	0.16
260°	8.78	0.17
270°	9.15	0.18
280°	8.83	0.18
290°	8.51	0.18
300°	8.23	0.17
310°	8.18	0.16
320°	8.04	0.16
330°	7.0	0.17
340°	6.63	0.17
350°	6.69	0.18

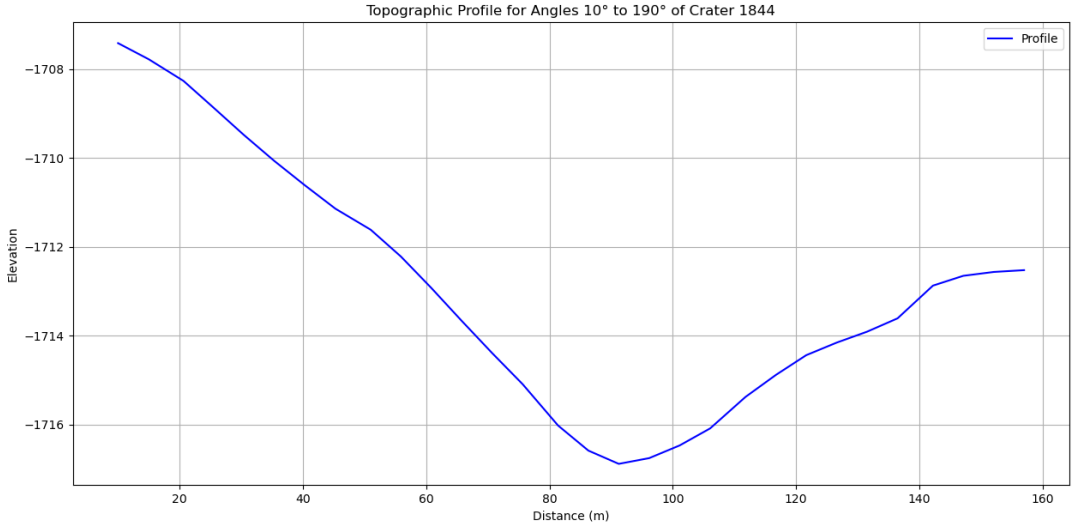
Topographic roughness index (TRI)

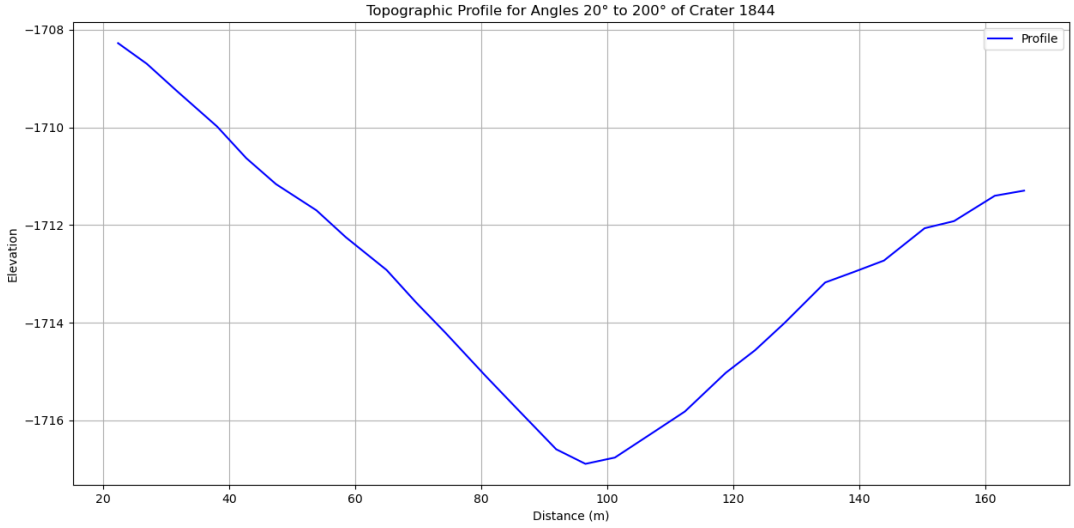
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

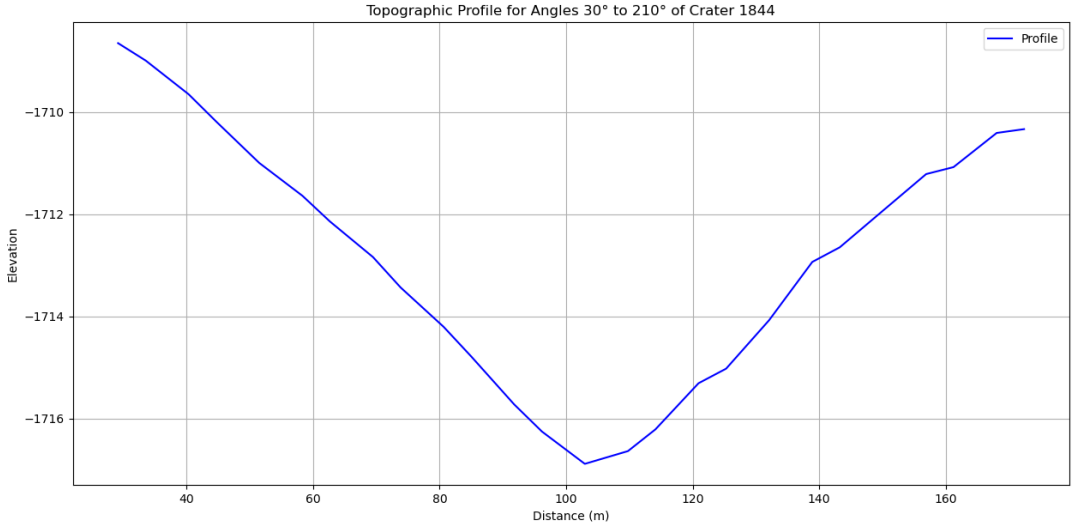


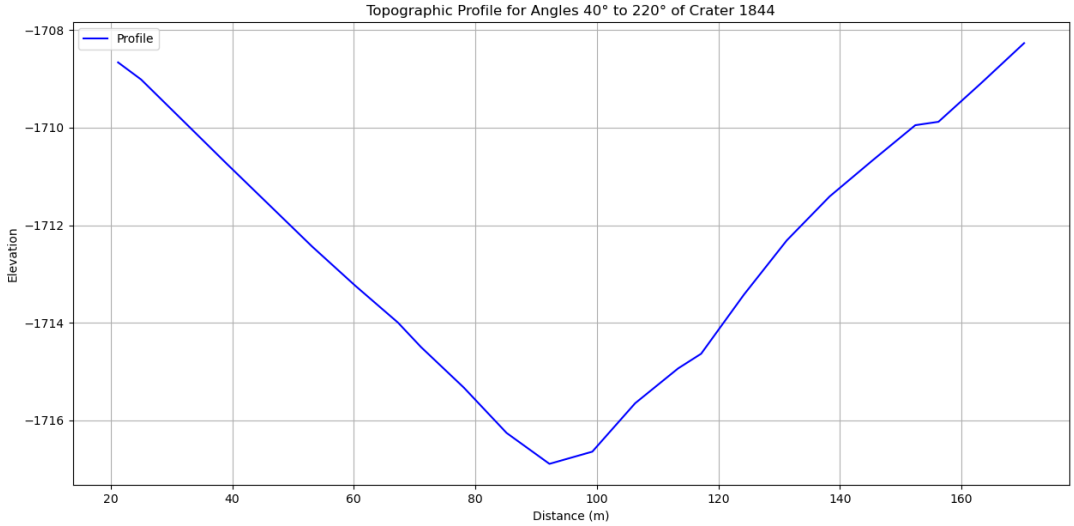
Topographic profiles

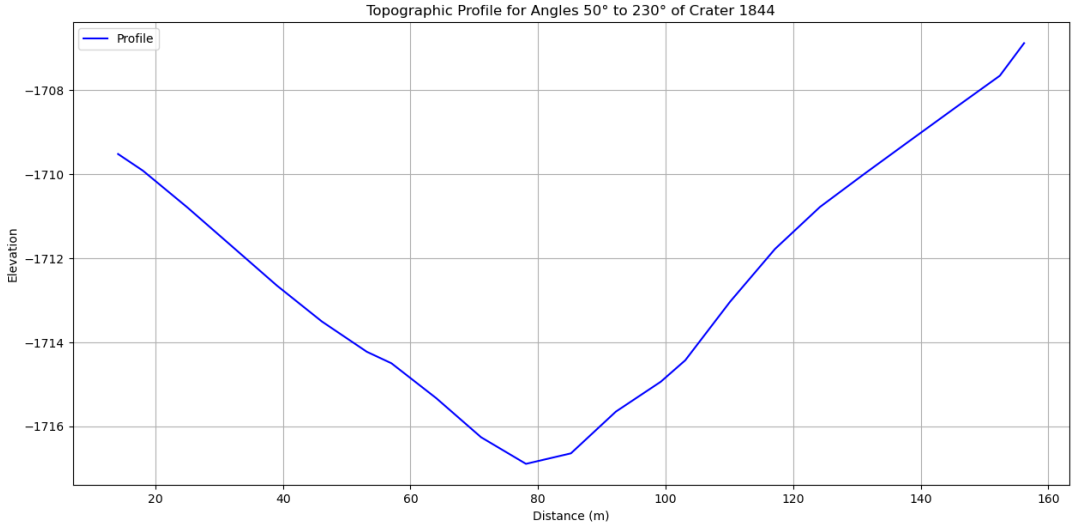


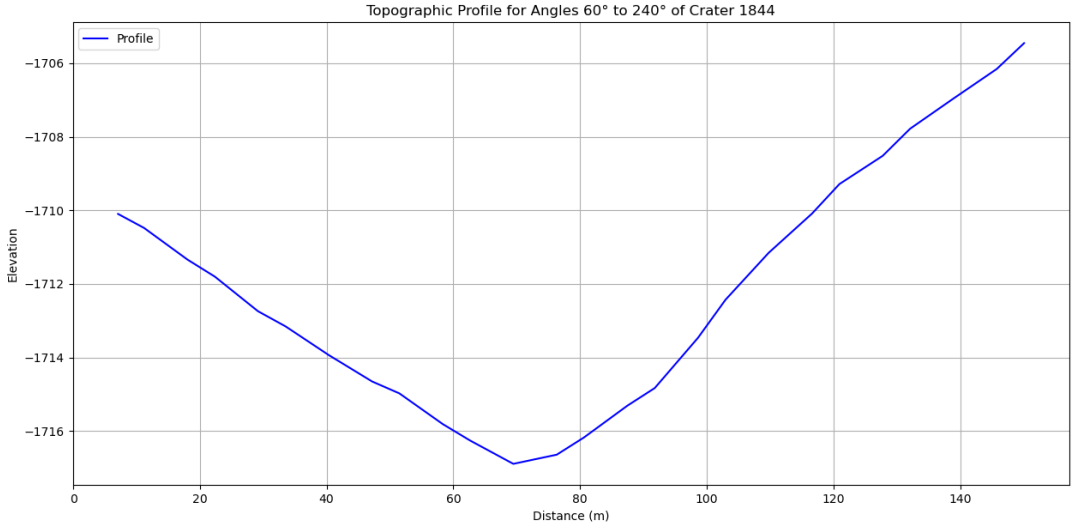

Topographic Profile for Angles 10° to 190° of Crater 1844
Profile
Elevation
−1708
−1710
−1712
−1714
−1716
20
40
60
80
100
120
140
160
Distance (m)

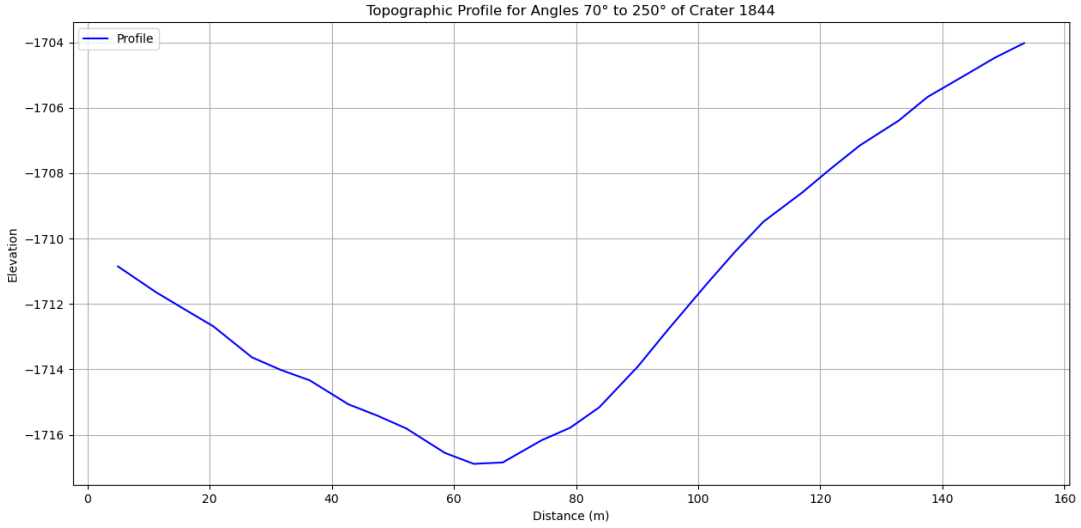

Topographic Profile for Angles 20° to 200° of Crater 1844
Profile
Elevation
−1708
−1710
−1712
−1714
−1716
20
40
60
80
100
120
140
160
Distance (m)

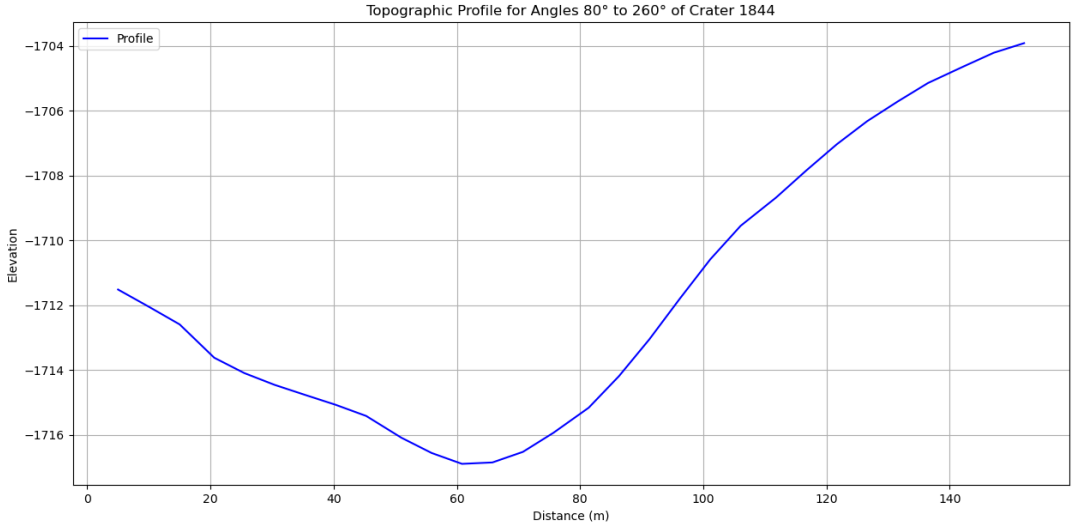

Topographic Profile for Angles 30° to 210° of Crater 1844
Profile
Elevation
−1710
−1712
−1714
−1716
40
60
80
100
120
140
160
Distance (m)

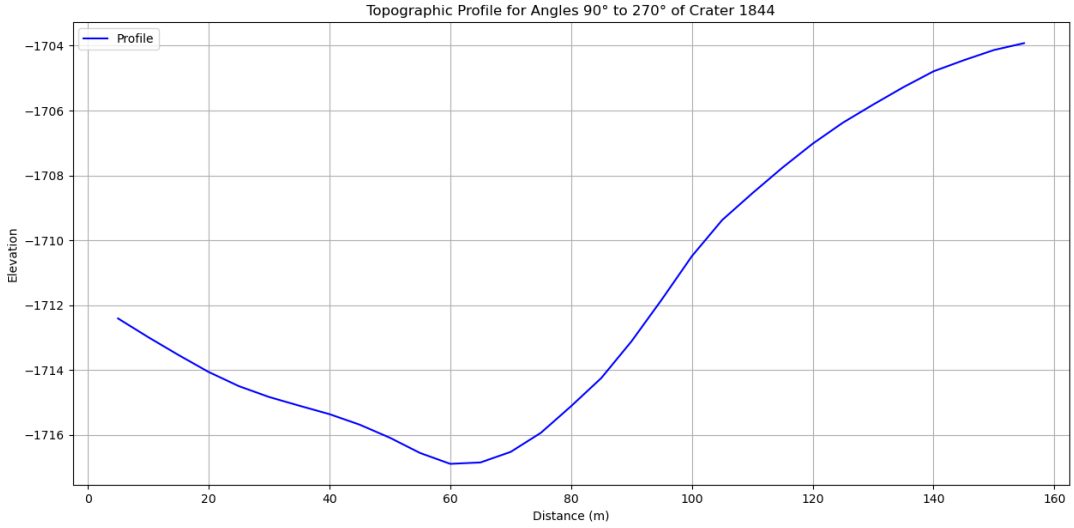

Topographic Profile for Angles 40° to 220° of Crater 1844
Profile
Elevation
−1708
−1710
−1712
−1714
−1716
20
40
60
80
100
120
140
160
Distance (m)

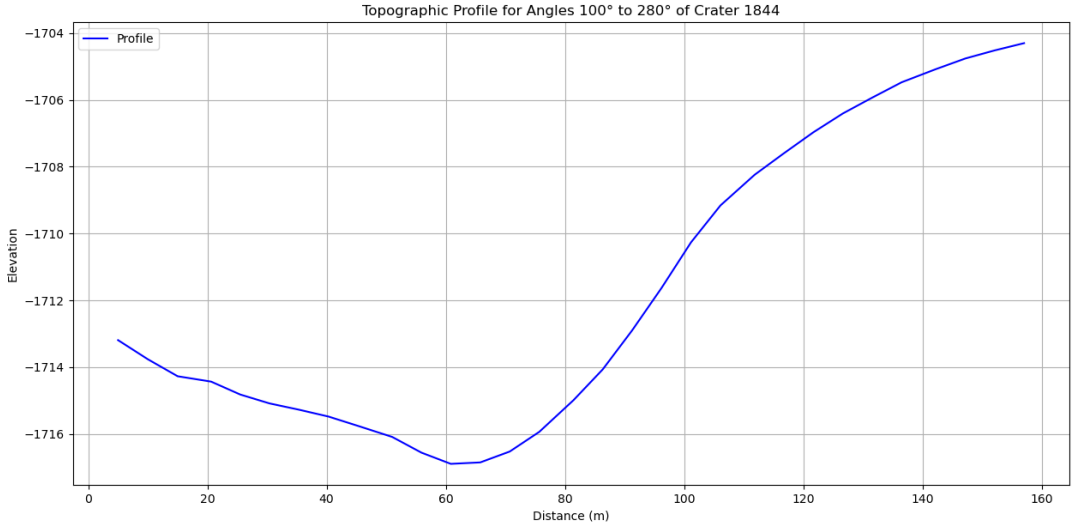

Topographic Profile for Angles 50° to 230° of Crater 1844
Profile
Elevation
−1708
−1710
−1712
−1714
−1716
20
40
60
80
100
120
140
160
Distance (m)

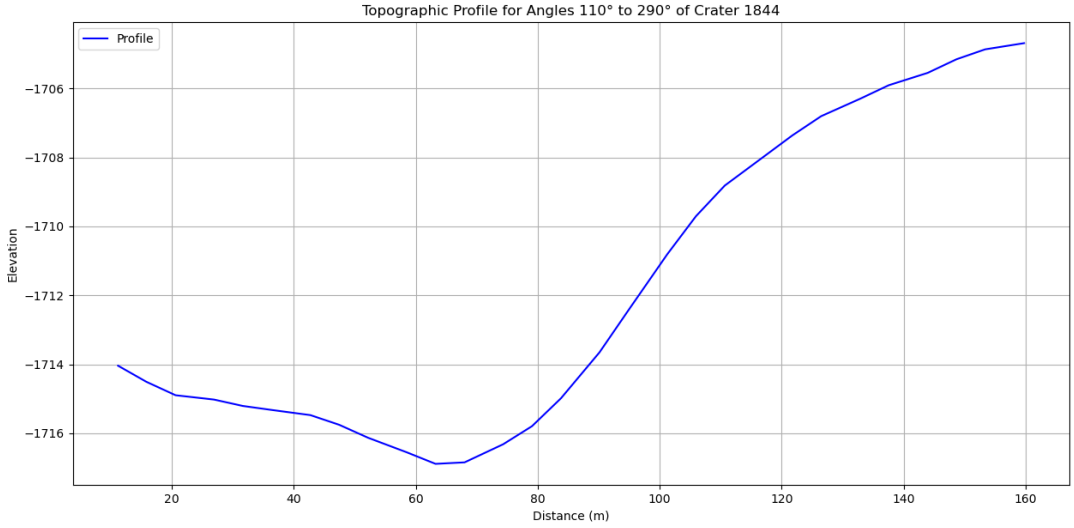

Topographic Profile for Angles 60° to 240° of Crater 1844
Profile
Elevation
−1706
−1708
−1710
−1712
−1714
−1716
0
20
40
60
80
100
120
140
Distance (m)

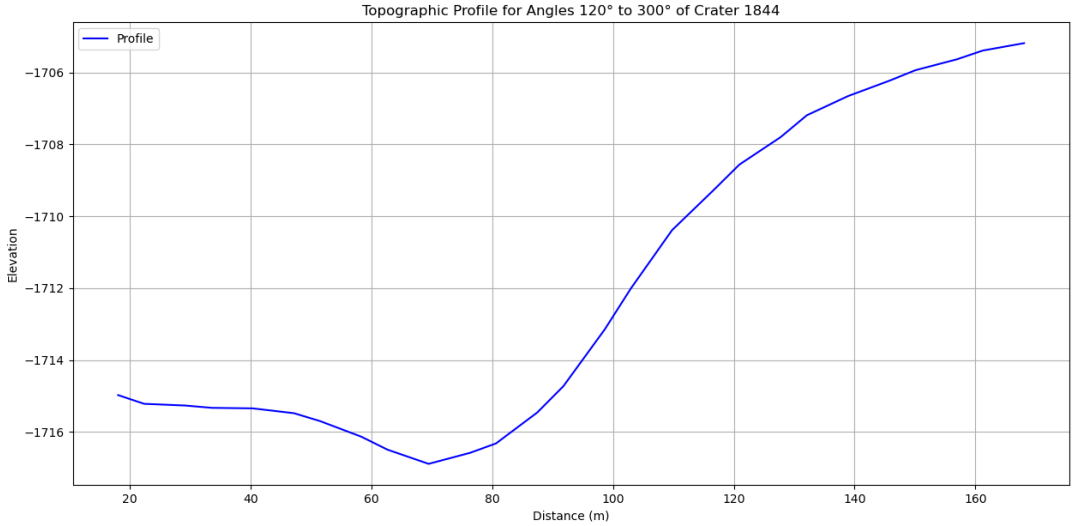

Topographic Profile for Angles 70° to 250° of Crater 1844
Profile
Elevation
Distance (m)
−1704
−1706
−1708
−1710
−1712
−1714
−1716
0
20
40
60
80
100
120
140
160

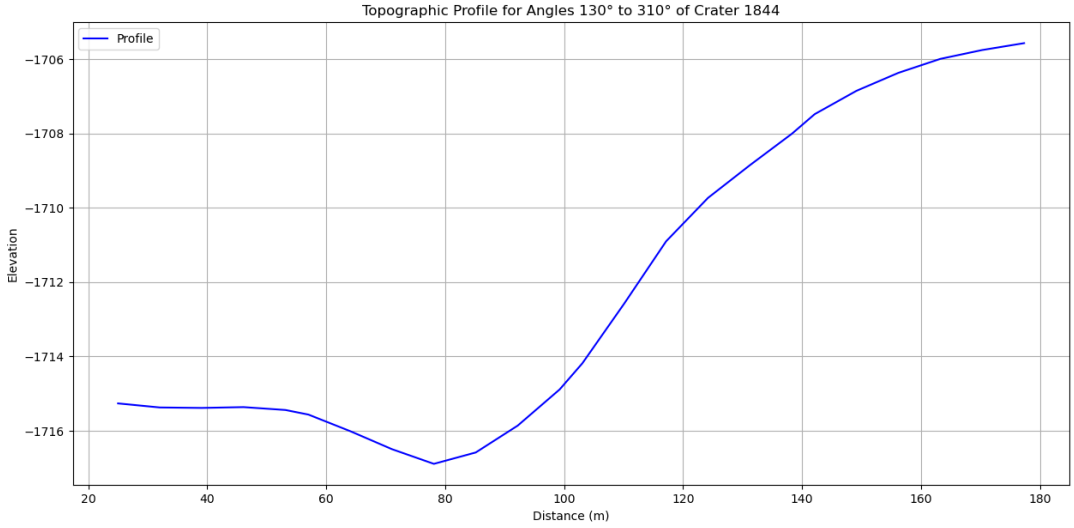

Topographic Profile for Angles 80° to 260° of Crater 1844
Profile
Elevation
Distance (m)
−1704
−1706
−1708
−1710
−1712
−1714
−1716
0
20
40
60
80
100
120
140

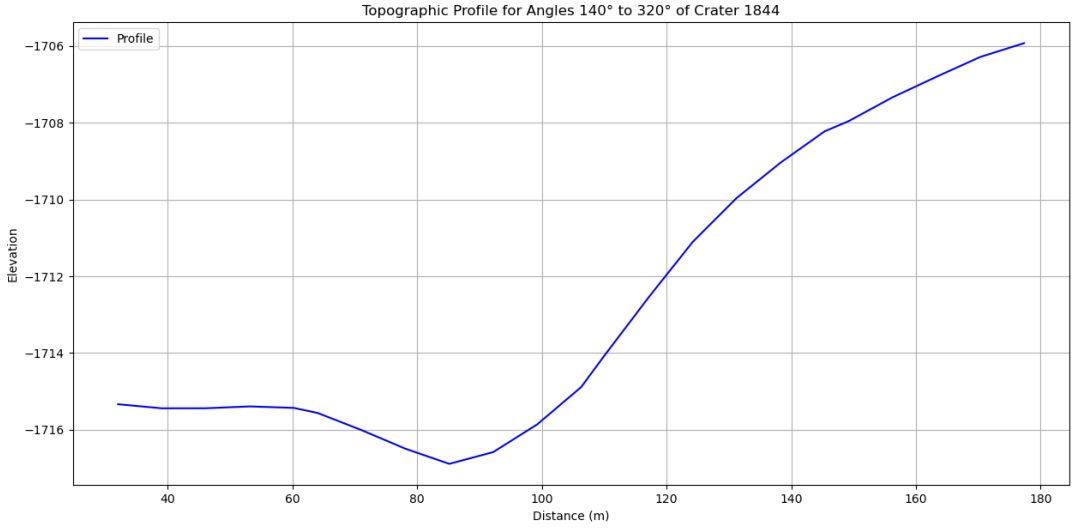

Topographic Profile for Angles 90° to 270° of Crater 1844
Profile
Elevation
Distance (m)
−1704
−1706
−1708
−1710
−1712
−1714
−1716
0
20
40
60
80
100
120
140
160

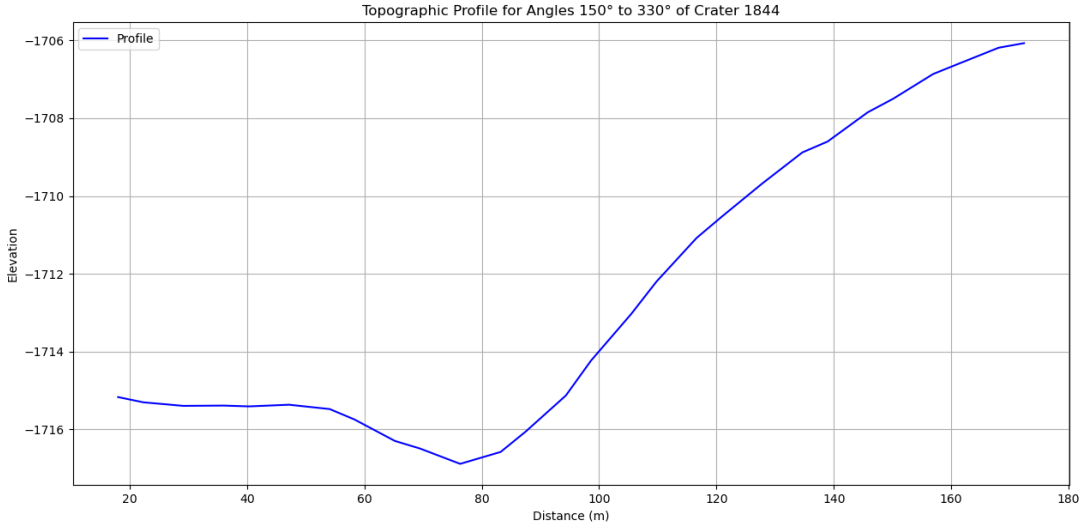

Topographic Profile for Angles 100° to 280° of Crater 1844
Profile
Elevation
Distance (m)
−1704
−1706
−1708
−1710
−1712
−1714
−1716
0
20
40
60
80
100
120
140
160

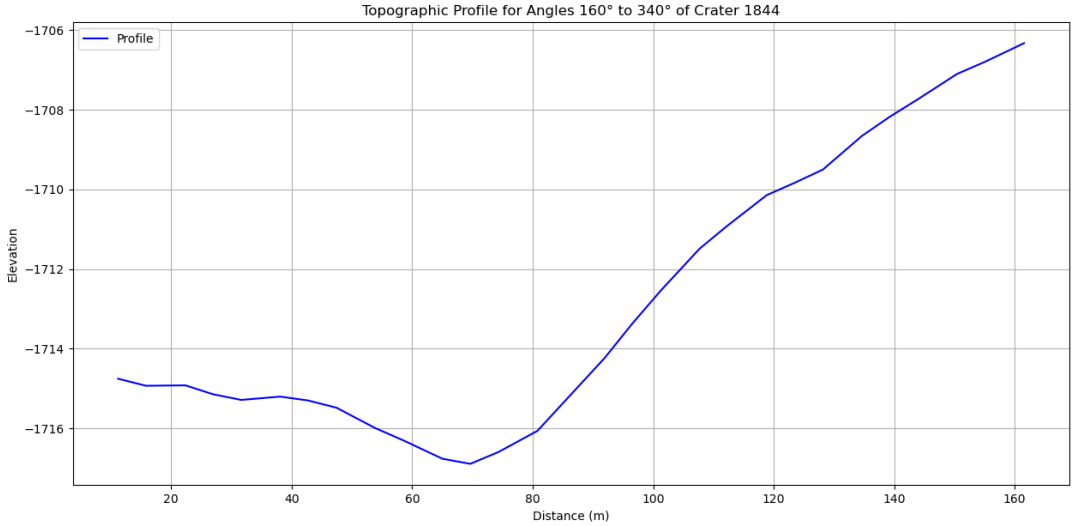

Topographic Profile for Angles 110° to 290° of Crater 1844
Profile
Elevation
−1706
−1708
−1710
−1712
−1714
−1716
20
40
60
80
100
120
140
160
Distance (m)

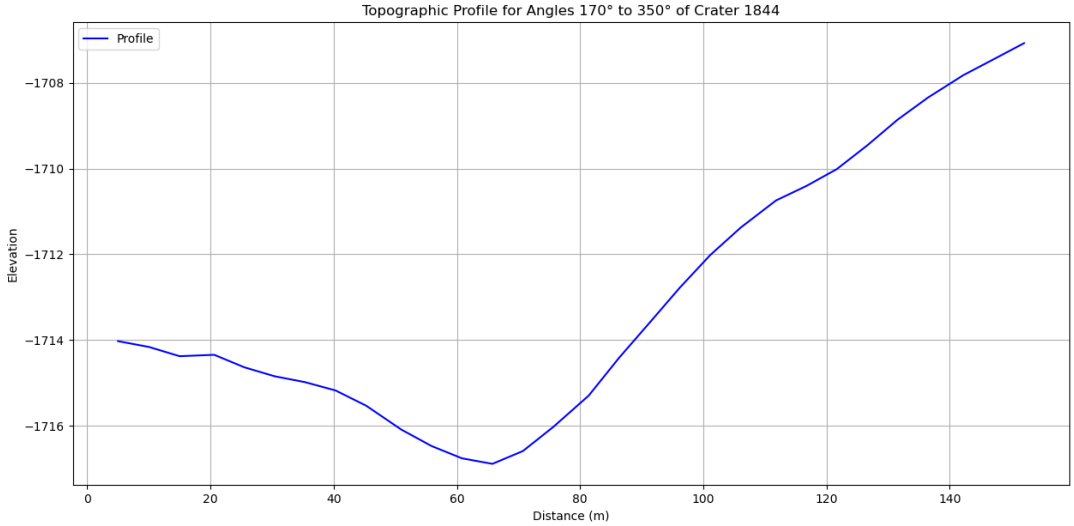

Topographic Profile for Angles 120° to 300° of Crater 1844
Profile
Elevation
−1706
−1708
−1710
−1712
−1714
−1716
20
40
60
80
100
120
140
160
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 1844
Profile
Elevation
Distance (m)
−1706
−1708
−1710
−1712
−1714
−1716
20
40
60
80
100
120
140
160
180


Topographic Profile for Angles 140° to 320° of Crater 1844
Profile
Elevation
Distance (m)
−1706
−1708
−1710
−1712
−1714
−1716
40
60
80
100
120
140
160
180


Topographic Profile for Angles 150° to 330° of Crater 1844
Profile
Elevation
Distance (m)
−1706
−1708
−1710
−1712
−1714
−1716
20
40
60
80
100
120
140
160
180


Topographic Profile for Angles 160° to 340° of Crater 1844
Profile
Elevation
Distance (m)
−1706
−1708
−1710
−1712
−1714
−1716
20
40
60
80
100
120
140
160


Topographic Profile for Angles 170° to 350° of Crater 1844
Profile
Elevation
−1708
−1710
−1712
−1714
−1716
0
20
40
60
80
100
120
140
Distance (m)