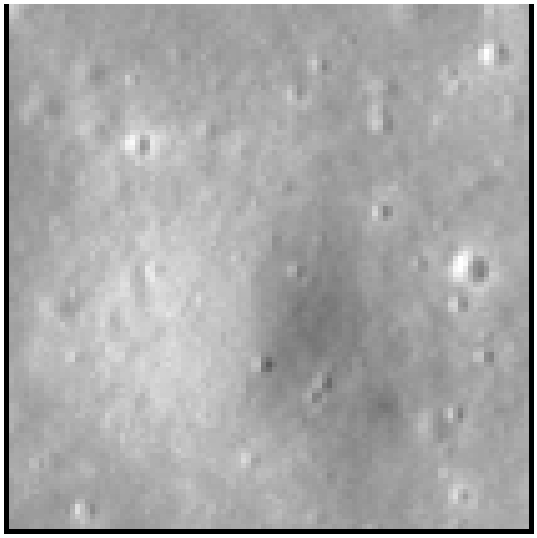
Crater report 2144 of RG7

General information



ID : 2144

Study area : RG7

Swirl : on-swirl

Morphology : Bowl-shaped

State of degradation : C

Mean Diameter : 123m ± 6.0m

Mean depht : 4.7m ± 0.6m

d/D ratio : 0.038 ± 0.005

Circularity index : 0.96

Mean slope : 5.03°

Geometric center coordinates :
(3625759.1012958027, 227684.24346409697)

Coordinates of the crater's lowest point :
(3625757.4999999, 227662.4999999905)

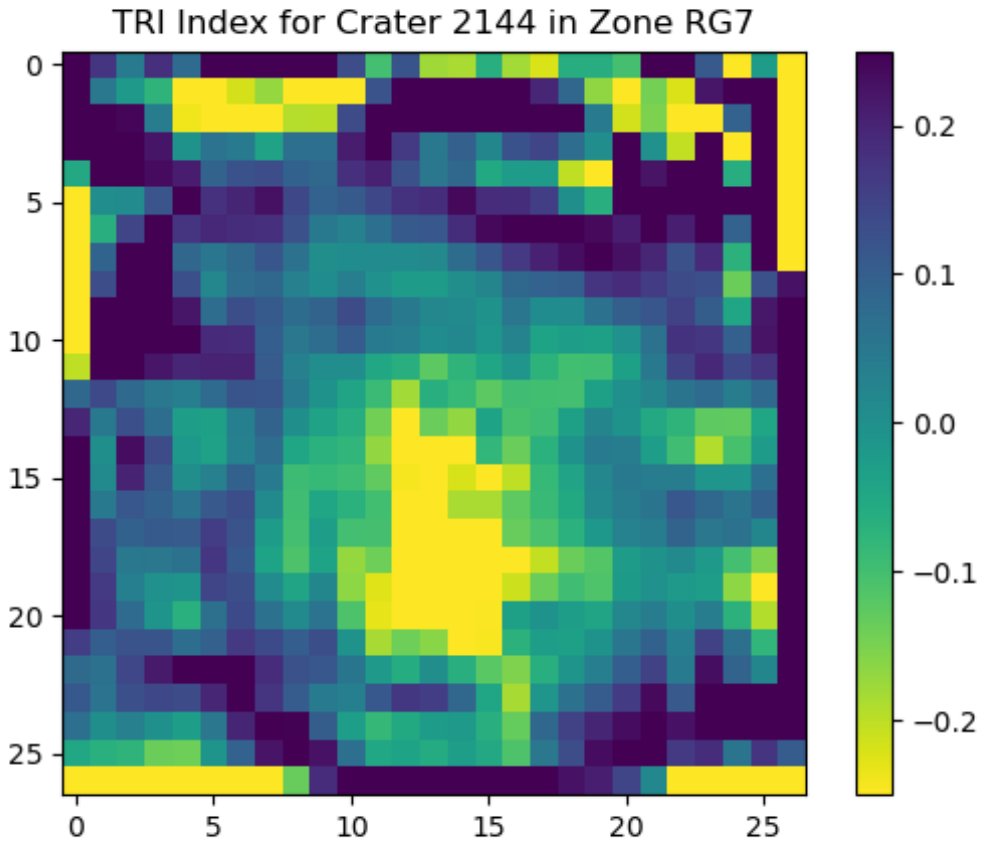
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	5.56	0.21
10°	5.22	0.2
20°	4.81	0.2
30°	4.83	0.19
40°	4.7	0.18
50°	4.65	0.18
60°	4.08	0.19
70°	3.83	0.19
80°	3.84	0.21
90°	4.1	0.24
100°	3.8	0.23
110°	3.65	0.22

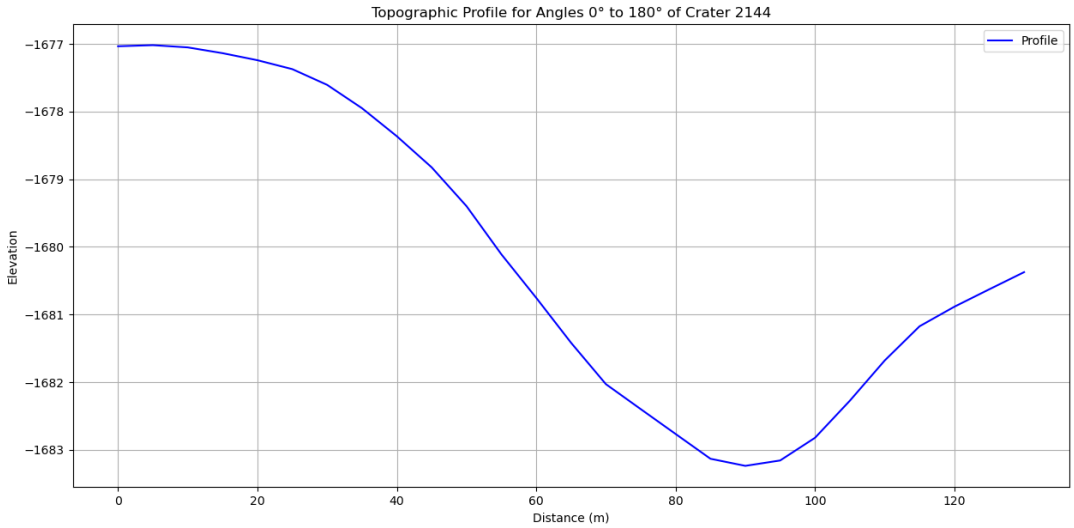
120°	3.66	0.24
130°	3.8	0.23
140°	3.66	0.23
150°	3.52	0.24
160°	3.71	0.25
170°	4.0	0.26
180°	4.48	0.27
190°	4.36	0.26
200°	4.45	0.25
210°	5.27	0.25
220°	6.22	0.23
230°	6.38	0.26
240°	6.43	0.25
250°	6.2	0.25
260°	6.5	0.24
270°	6.78	0.23
280°	6.59	0.23
290°	6.2	0.21
300°	6.21	0.19
310°	6.59	0.19
320°	6.38	0.19
330°	5.63	0.19
340°	5.56	0.19
350°	5.43	0.2

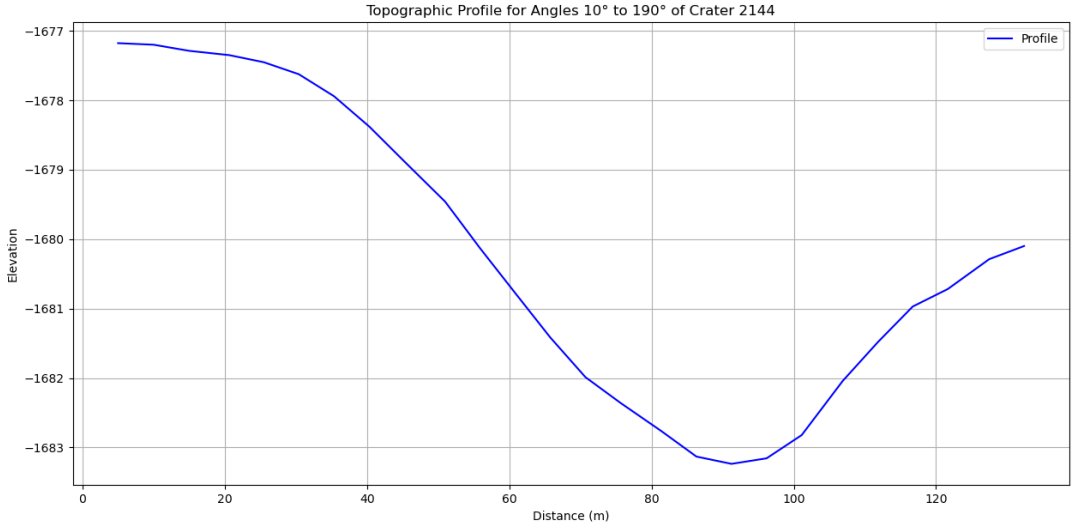
Topographic roughness index (TRI)

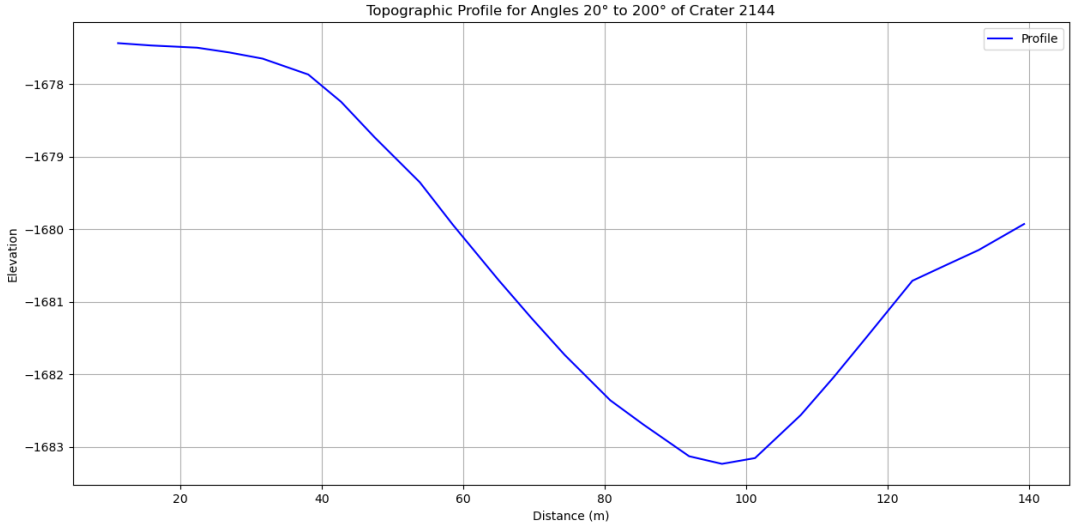
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

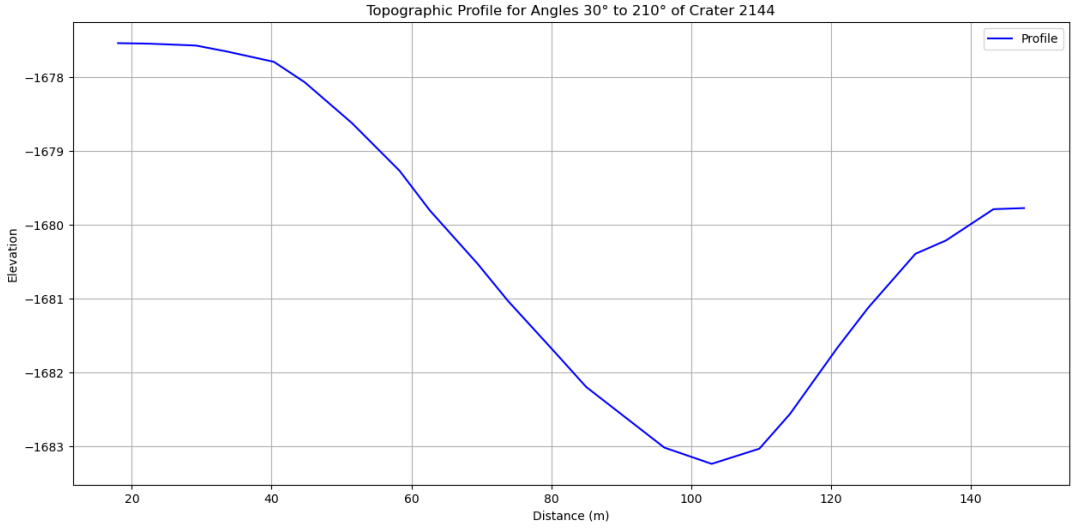


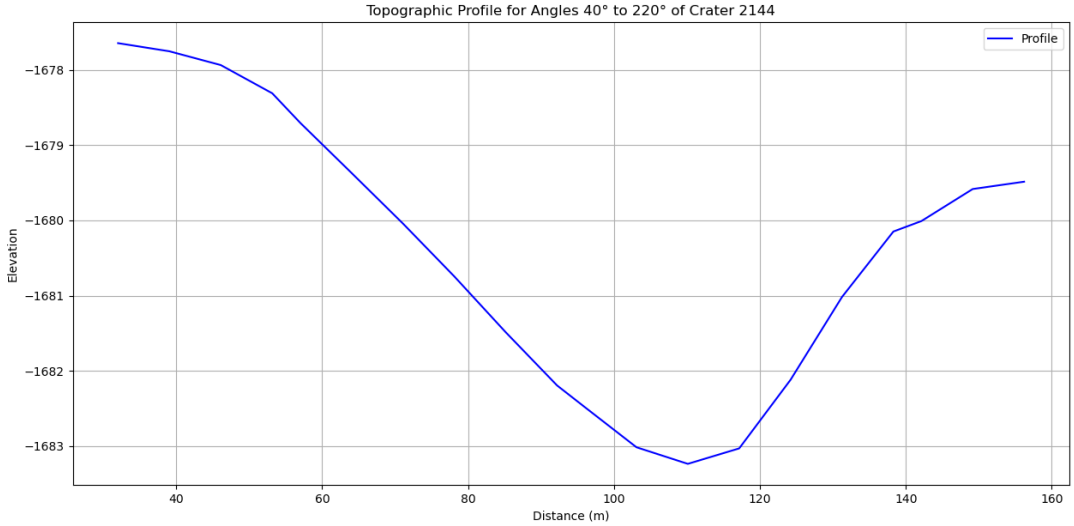
Topographic profiles

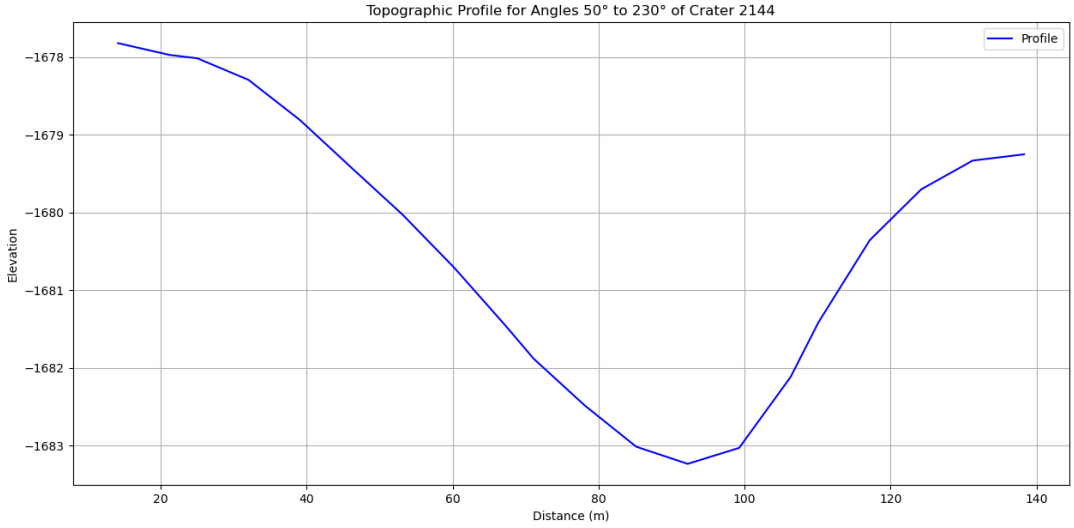


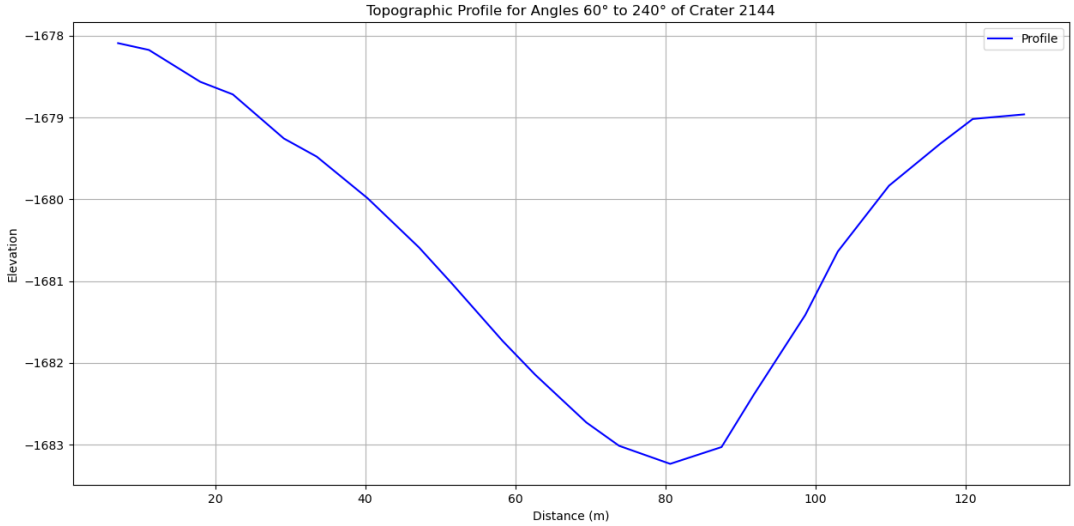

Topographic Profile for Angles 10° to 190° of Crater 2144
Profile
Elevation
Distance (m)
−1677
−1678
−1679
−1680
−1681
−1682
−1683
0
20
40
60
80
100
120

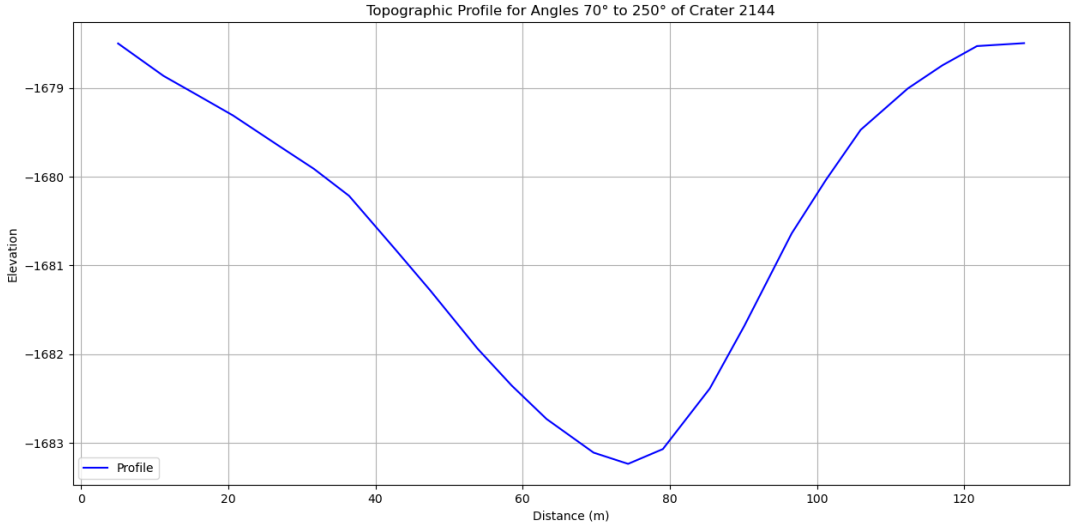

Topographic Profile for Angles 20° to 200° of Crater 2144
Profile
Elevation
Distance (m)
−1678
−1679
−1680
−1681
−1682
−1683
20
40
60
80
100
120
140

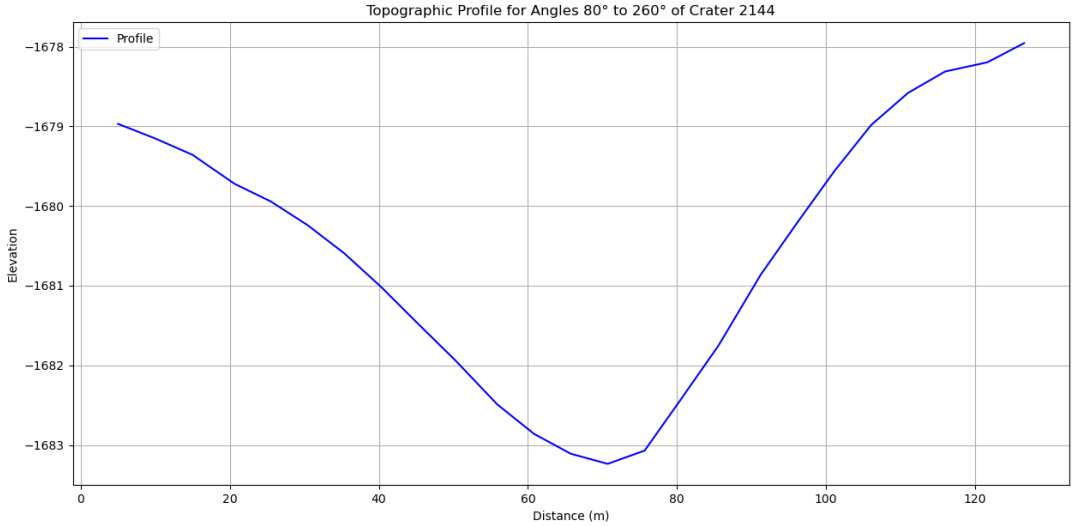

Topographic Profile for Angles 30° to 210° of Crater 2144
Profile
Elevation
−1678
−1679
−1680
−1681
−1682
−1683
20
40
60
80
100
120
140
Distance (m)

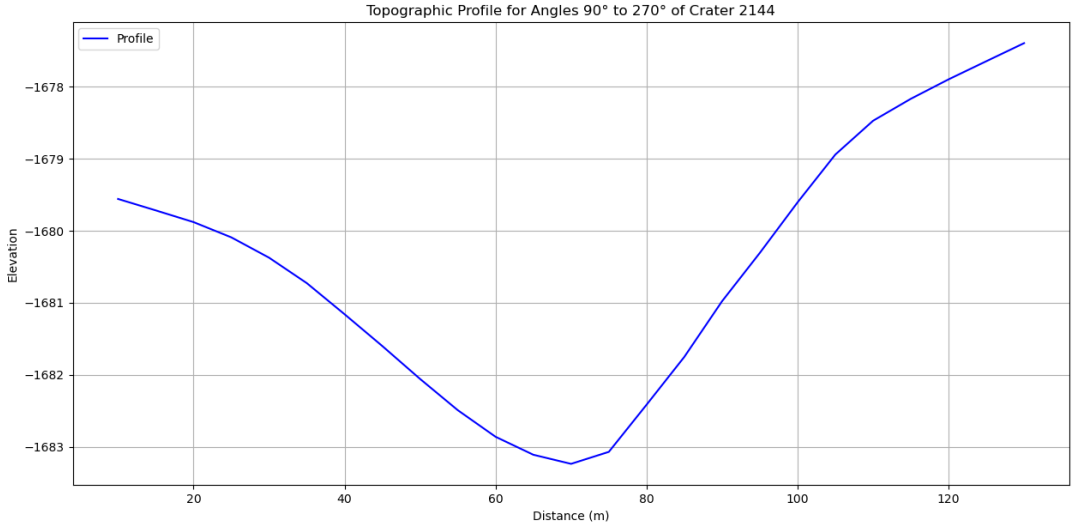

Topographic Profile for Angles 40° to 220° of Crater 2144
Profile
Elevation
−1678
−1679
−1680
−1681
−1682
−1683
40
60
80
100
120
140
160
Distance (m)

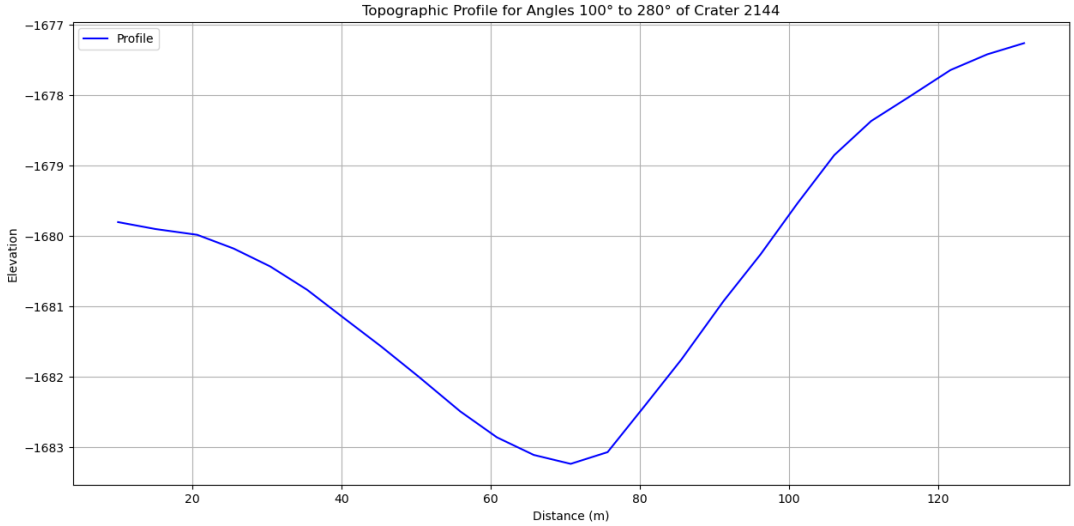

Topographic Profile for Angles 50° to 230° of Crater 2144
Profile
Elevation
−1678
−1679
−1680
−1681
−1682
−1683
20
40
60
80
100
120
140
Distance (m)

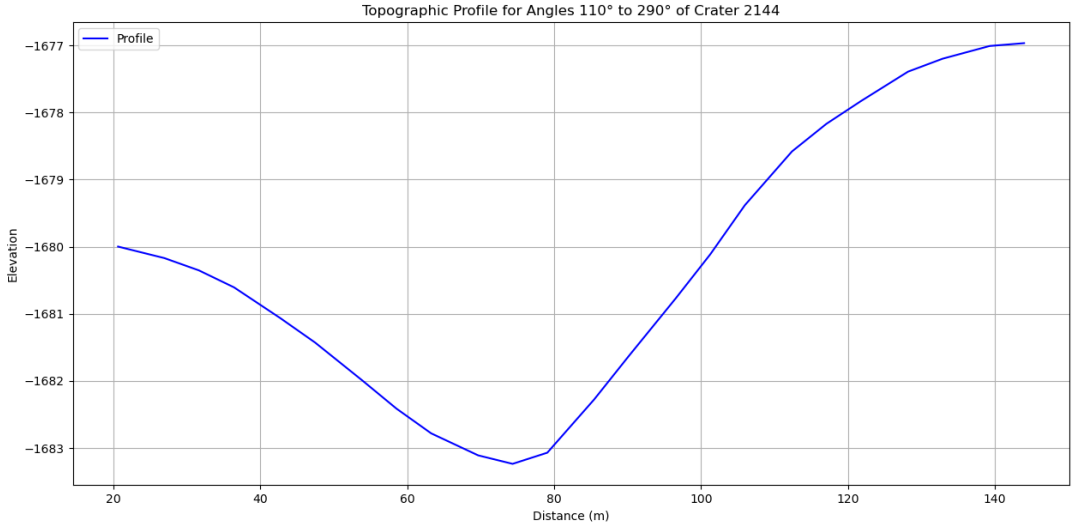

Topographic Profile for Angles 60° to 240° of Crater 2144
Profile
Elevation
−1678
−1679
−1680
−1681
−1682
−1683
20
40
60
80
100
120
Distance (m)

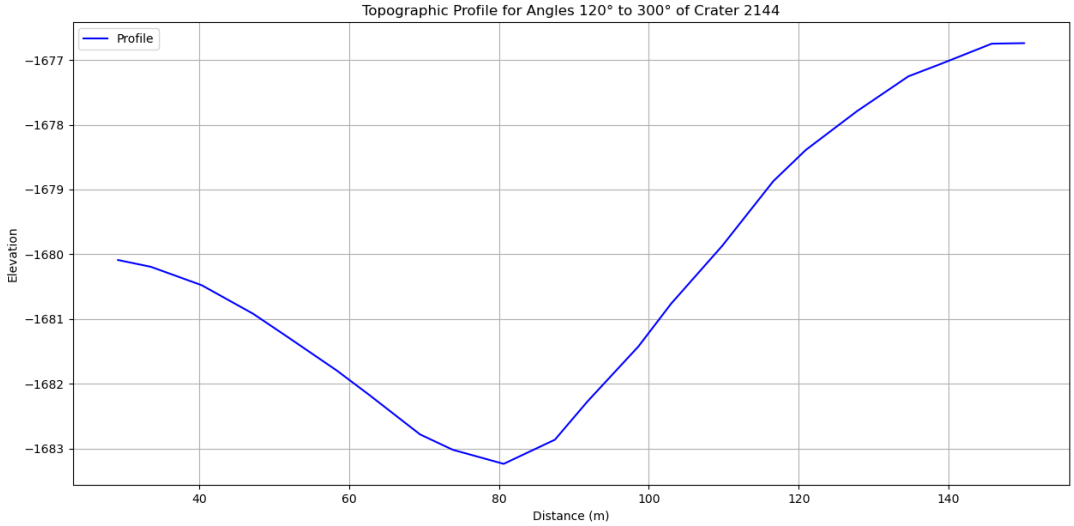

Topographic Profile for Angles 70° to 250° of Crater 2144
Elevation
Distance (m)
Profile
−1679
−1680
−1681
−1682
−1683
0
20
40
60
80
100
120

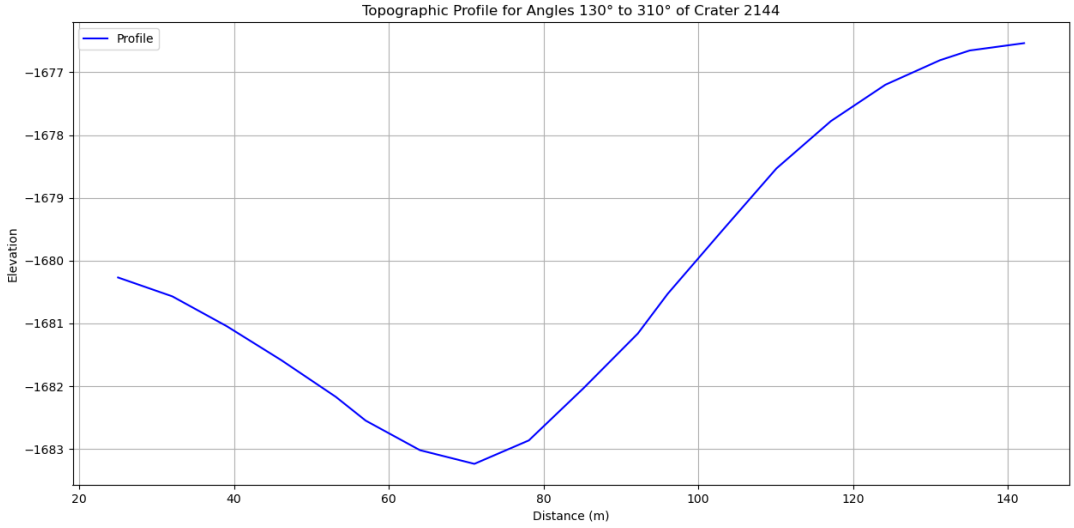

Topographic Profile for Angles 80° to 260° of Crater 2144
Elevation
Distance (m)
Profile
−1678
−1679
−1680
−1681
−1682
−1683
0
20
40
60
80
100
120

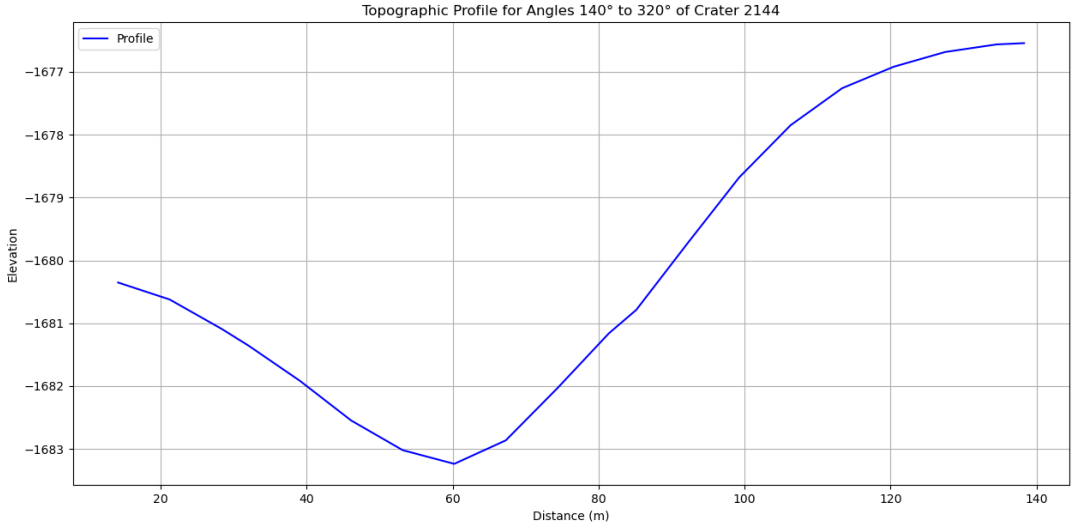

Topographic Profile for Angles 90° to 270° of Crater 2144
Profile
Elevation
−1678
−1679
−1680
−1681
−1682
−1683
20
40
60
80
100
120
Distance (m)

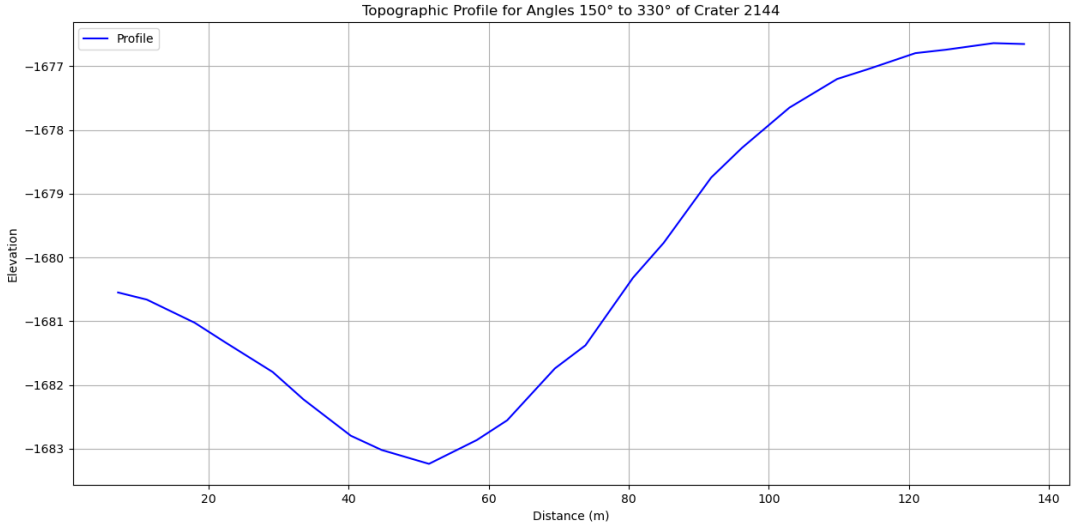

Topographic Profile for Angles 100° to 280° of Crater 2144
Profile
Elevation
−1677
−1678
−1679
−1680
−1681
−1682
−1683
20
40
60
80
100
120
Distance (m)

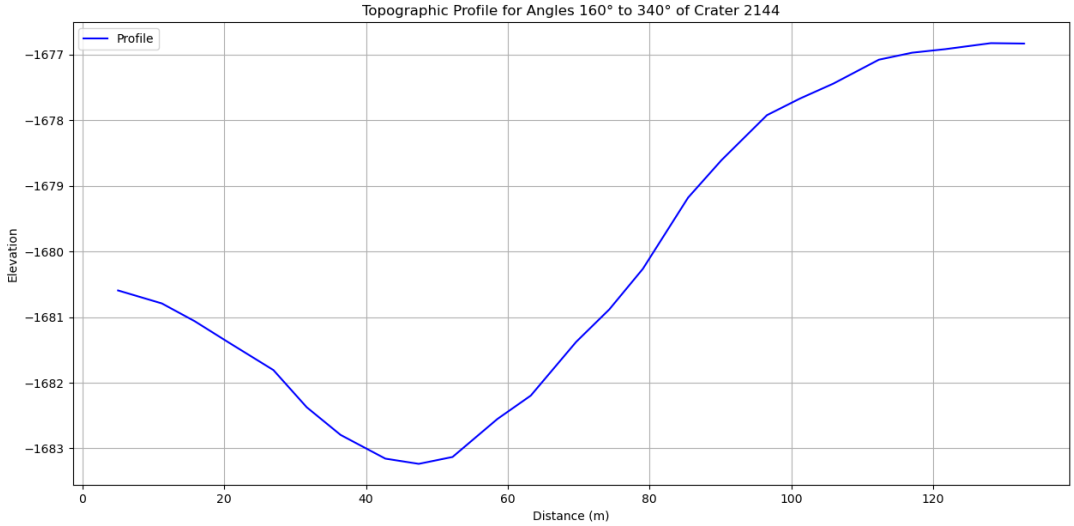

Topographic Profile for Angles 110° to 290° of Crater 2144
Profile
Elevation
−1677
−1678
−1679
−1680
−1681
−1682
−1683
20
40
60
80
100
120
140
Distance (m)

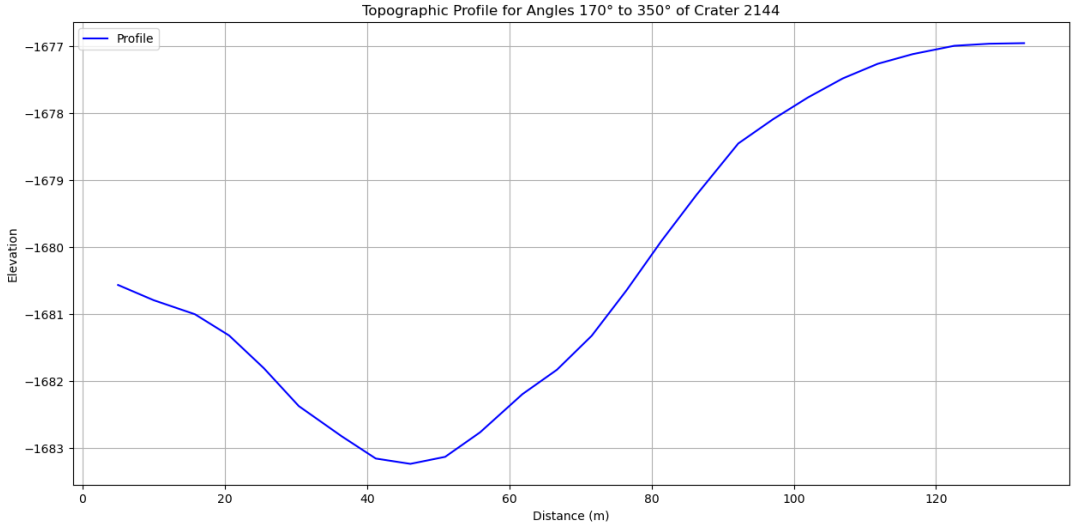

Topographic Profile for Angles 120° to 300° of Crater 2144
Profile
Elevation
−1677
−1678
−1679
−1680
−1681
−1682
−1683
40
60
80
100
120
140
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 2144
Profile
Elevation
−1677
−1678
−1679
−1680
−1681
−1682
−1683
20
40
60
80
100
120
140
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 2144
Profile
Elevation
−1677
−1678
−1679
−1680
−1681
−1682
−1683
20
40
60
80
100
120
140
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 2144
Profile
Elevation
−1677
−1678
−1679
−1680
−1681
−1682
−1683
20
40
60
80
100
120
140
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 2144
Profile
Elevation
−1677
−1678
−1679
−1680
−1681
−1682
−1683
0
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 2144
Profile
Elevation
−1677
−1678
−1679
−1680
−1681
−1682
−1683
0
20
40
60
80
100
120
Distance (m)