Crater report 2454 of RG2

General information

ID : 2454

Study area : RG2

Swirl : off-swirl

Morphology : Bowl-shaped

Estimate state of degradation : B - BC

Mean Diameter : 116m ± 5.0m

Mean depht : 10.9m ± 0.7m

d/D ratio : 0.094 ± 0.007

Circularity index : 0.92

Slope : Between 8.9° et 21.0°

Mean value of TRI on the rim crest : 0.00

Geometric center coordinates : (3658516.389279223, 218749.0594474837)

Coordinates of the crater's lowest point : (3658523.000001101, 218753.0000000645)

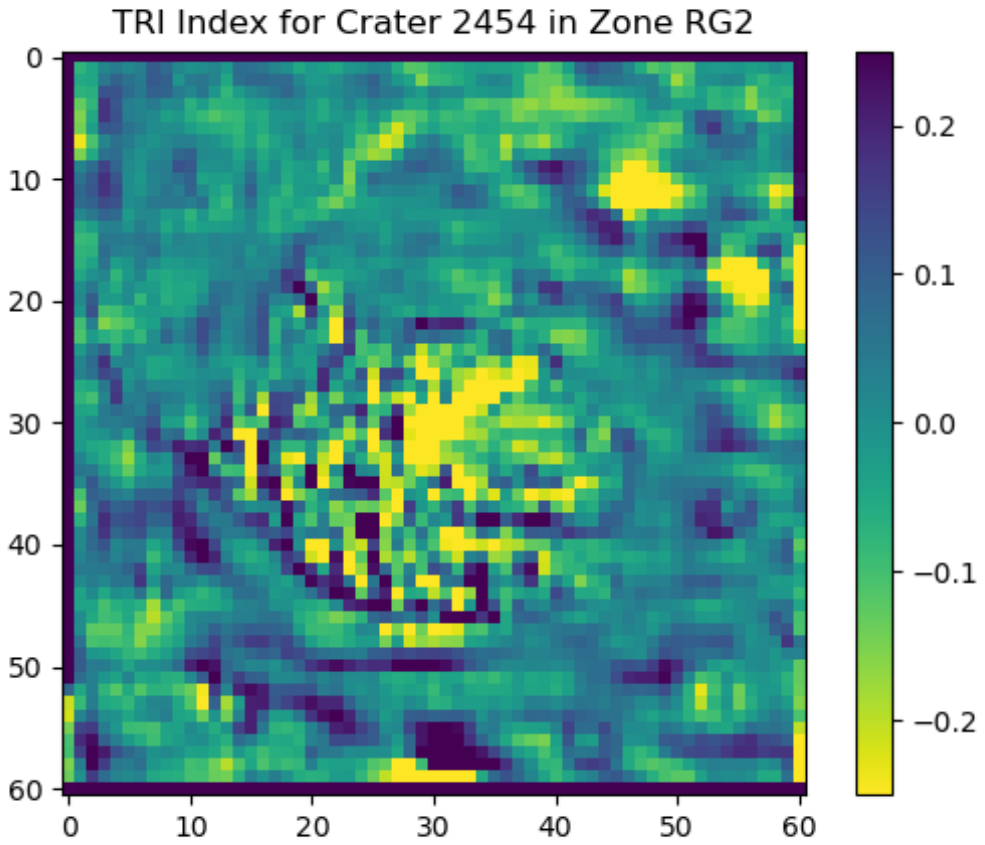
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	10.78	0.57
10°	10.02	0.54
20°	8.9	0.51
30°	9.93	0.48
40°	9.93	0.42
50°	11.45	0.43
60°	11.15	0.49
70°	11.79	0.51
80°	12.39	0.55
90°	12.67	0.57
100°	12.53	0.54
110°	12.86	0.51

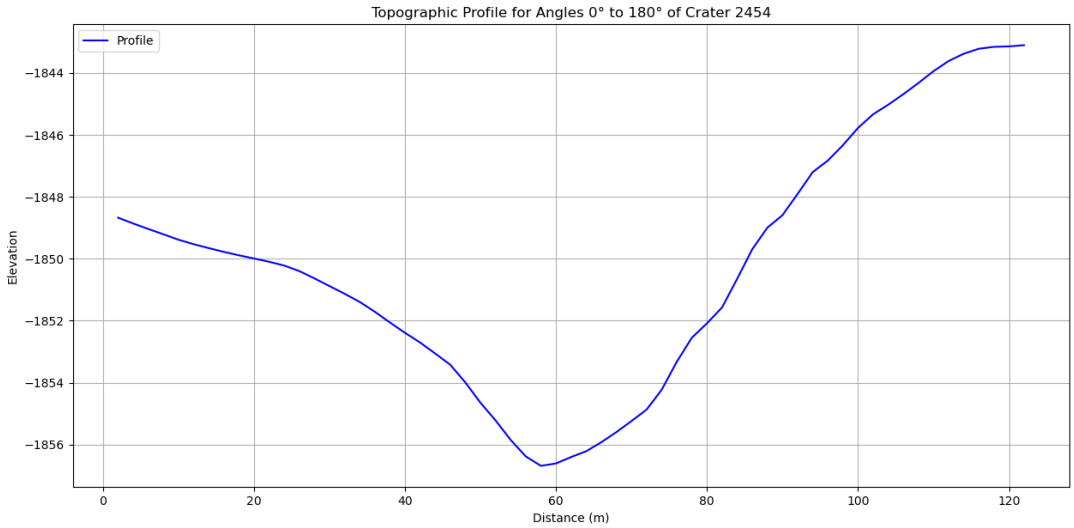
120°	13.75	0.47
130°	13.77	0.44
140°	14.9	0.42
150°	14.48	0.47
160°	14.75	0.52
170°	16.22	0.52
180°	17.88	0.56
190°	16.62	0.52
200°	17.26	0.51
210°	17.41	0.48
220°	21.0	0.41
230°	20.31	0.42
240°	18.89	0.46
250°	17.48	0.51
260°	16.91	0.53
270°	17.36	0.56
280°	15.26	0.53
290°	14.45	0.5
300°	13.06	0.47
310°	12.67	0.41
320°	10.68	0.43
330°	9.22	0.47
340°	9.56	0.51
350°	10.99	0.54

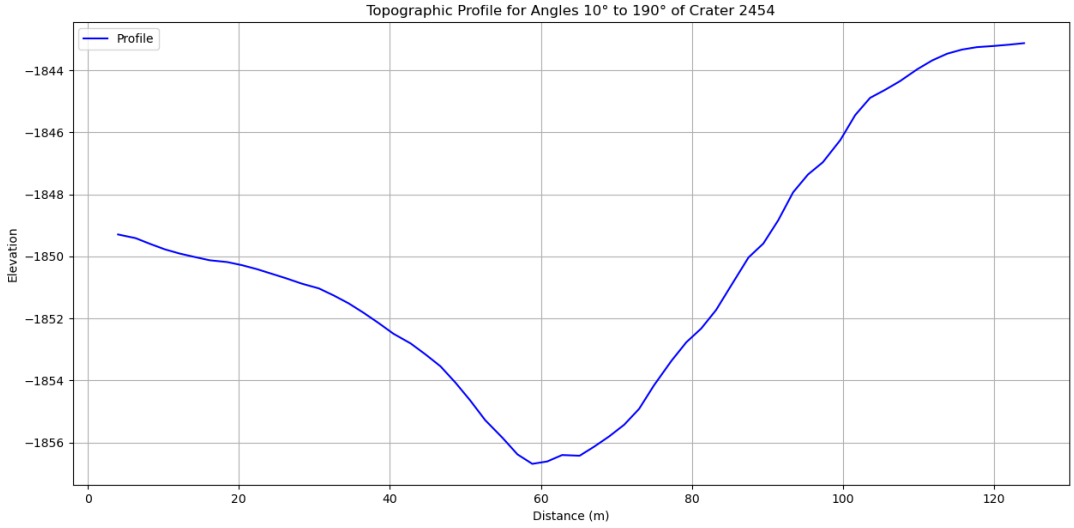
Topographic roughness index (TRI)

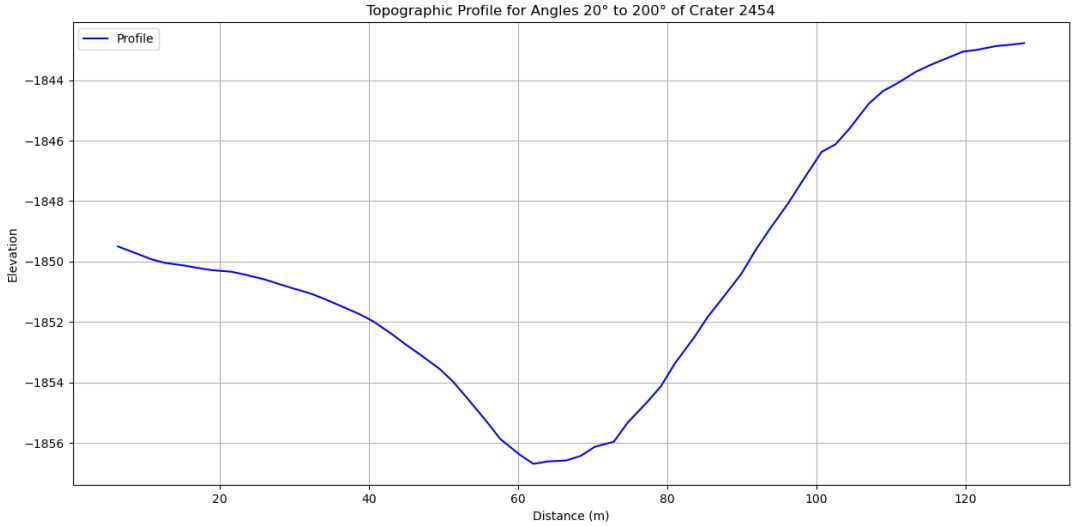
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

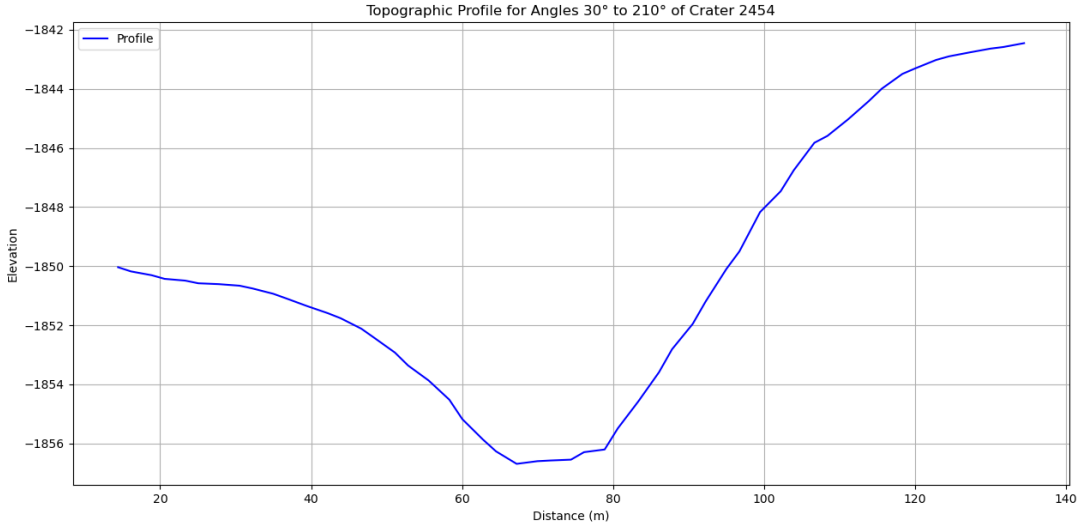


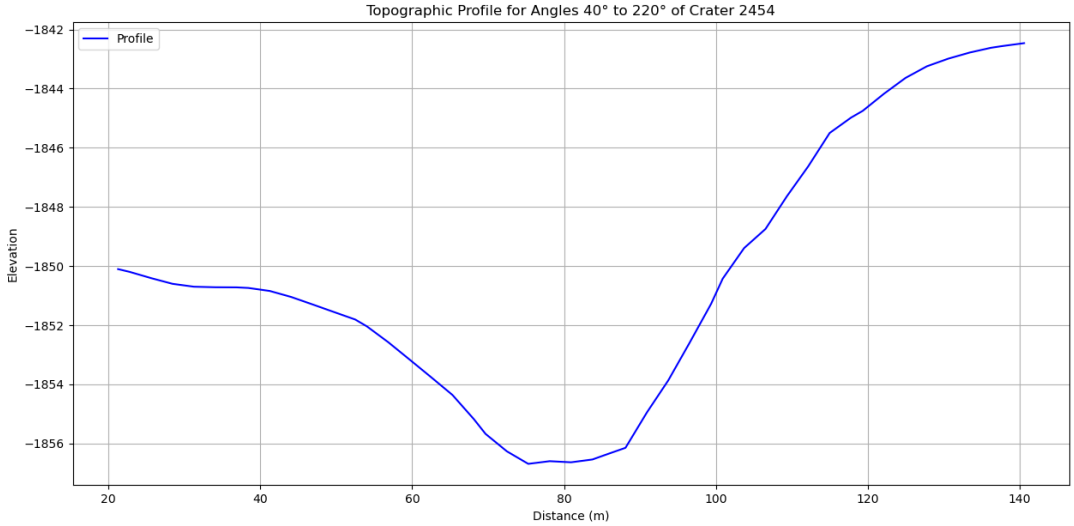
Topographic profiles

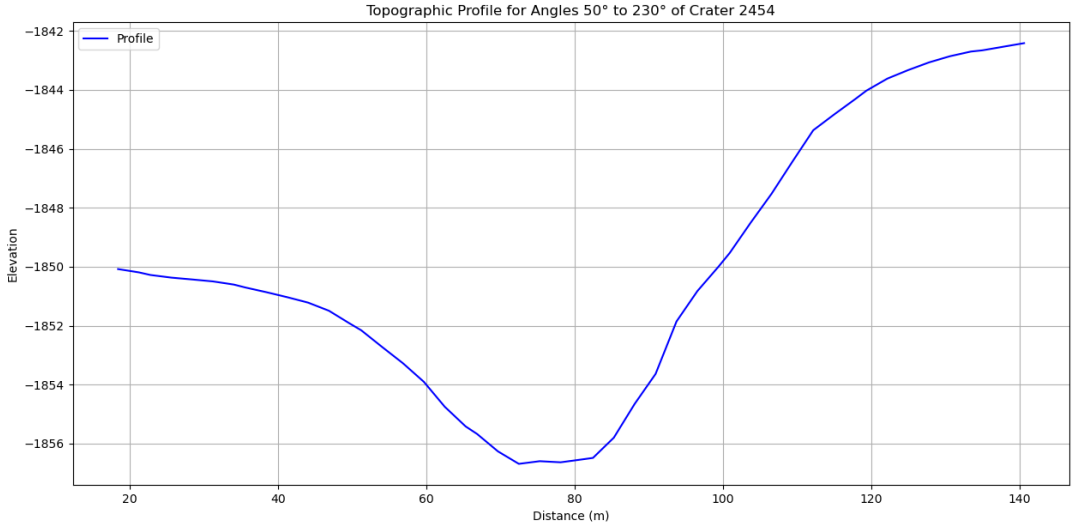



Topographic Profile for Angles 10° to 190° of Crater 2454
Profile
Elevation
−1844
−1846
−1848
−1850
−1852
−1854
−1856
0
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 20° to 200° of Crater 2454
Profile
Elevation
−1844
−1846
−1848
−1850
−1852
−1854
−1856
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 30° to 210° of Crater 2454
Profile
Elevation
Distance (m)
−1842
−1844
−1846
−1848
−1850
−1852
−1854
−1856
20
40
60
80
100
120
140


Topographic Profile for Angles 40° to 220° of Crater 2454
Profile
Elevation
Distance (m)
−1842
−1844
−1846
−1848
−1850
−1852
−1854
−1856
20
40
60
80
100
120
140


Topographic Profile for Angles 50° to 230° of Crater 2454
Profile
Elevation
Distance (m)
−1842
−1844
−1846
−1848
−1850
−1852
−1854
−1856
20
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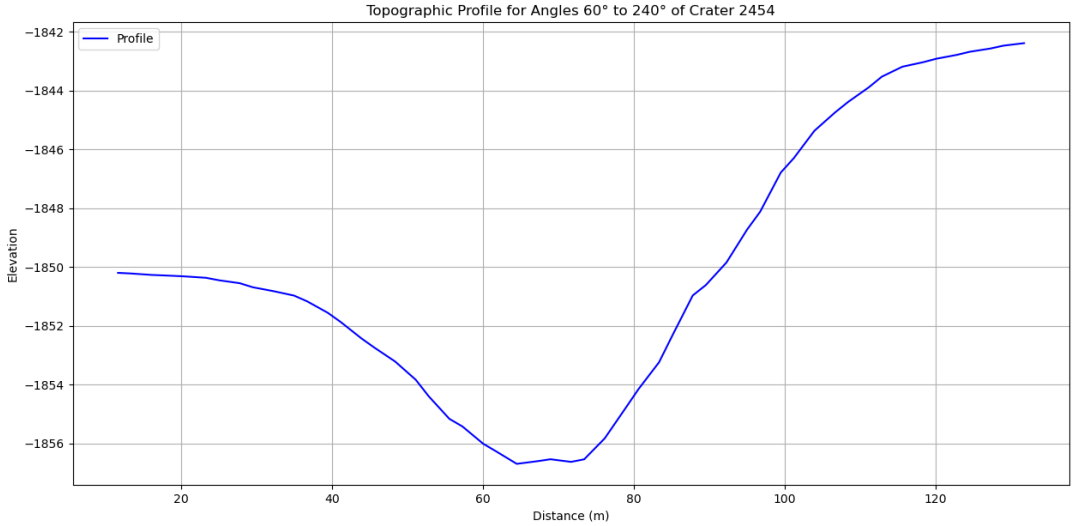
80
100
120
140


Topographic Profile for Angles 60° to 240° of Crater 2454
Profile
Elevation
Distance (m)
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−1844
−1846
−1848
−1850
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−1854
−1856
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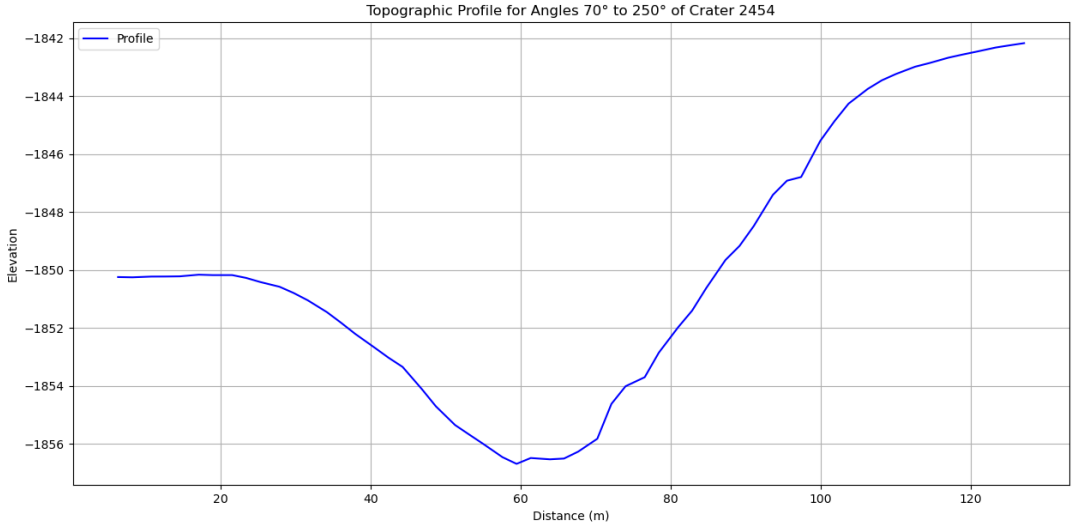
60
80
100
120


Topographic Profile for Angles 70° to 250° of Crater 2454
Profile
Elevation
Distance (m)
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−1844
−1846
−1848
−1850
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−1854
−1856
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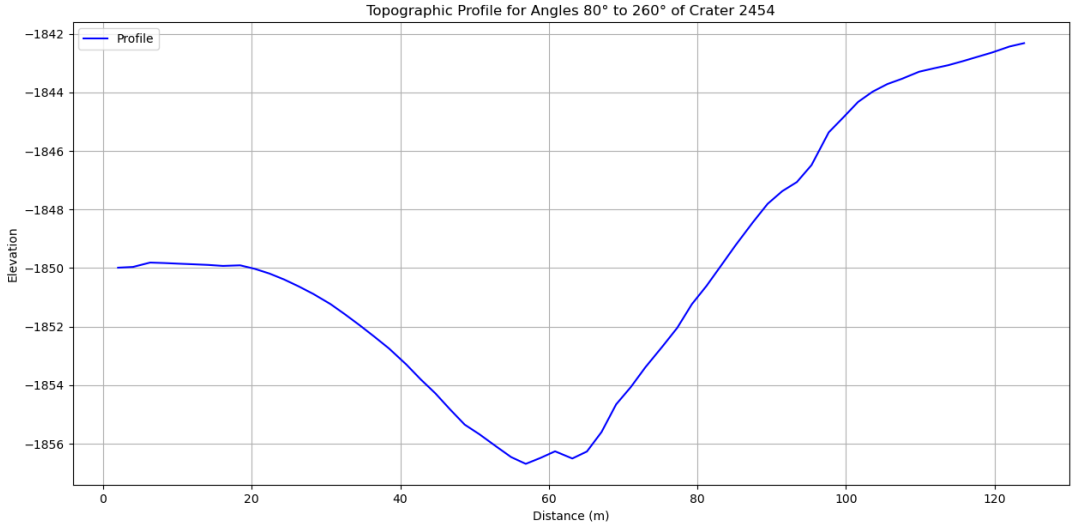
100
120


Topographic Profile for Angles 80° to 260° of Crater 2454
Profile
Elevation
Distance (m)
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−1844
−1846
−1848
−1850
−1852
−1854
−1856
0
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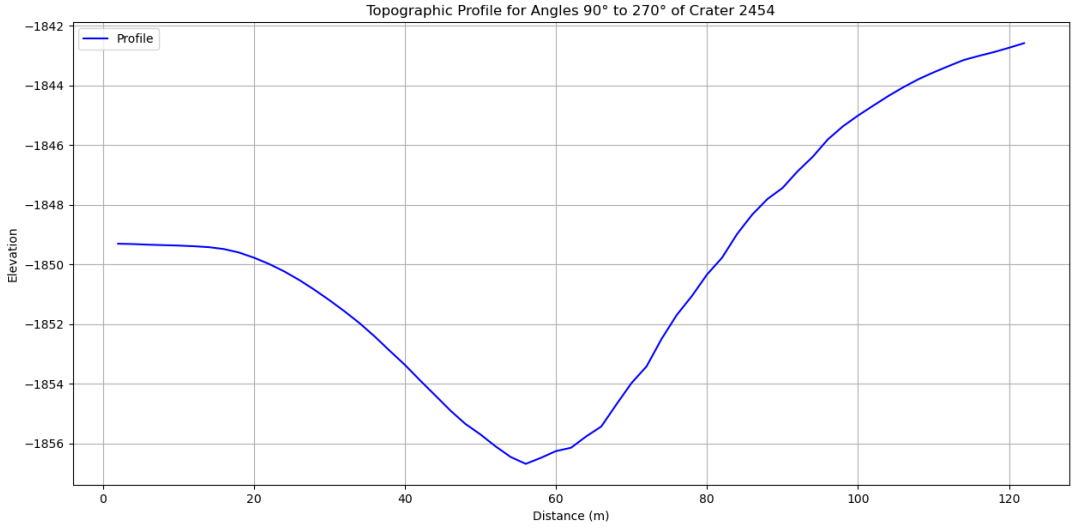
Topographic Profile for Angles 90° to 270° of Crater 2454
Profile
Elevation
Distance (m)
−1842
−1844
−1846
−1848
−1850
−1852
−1854
−1856
0
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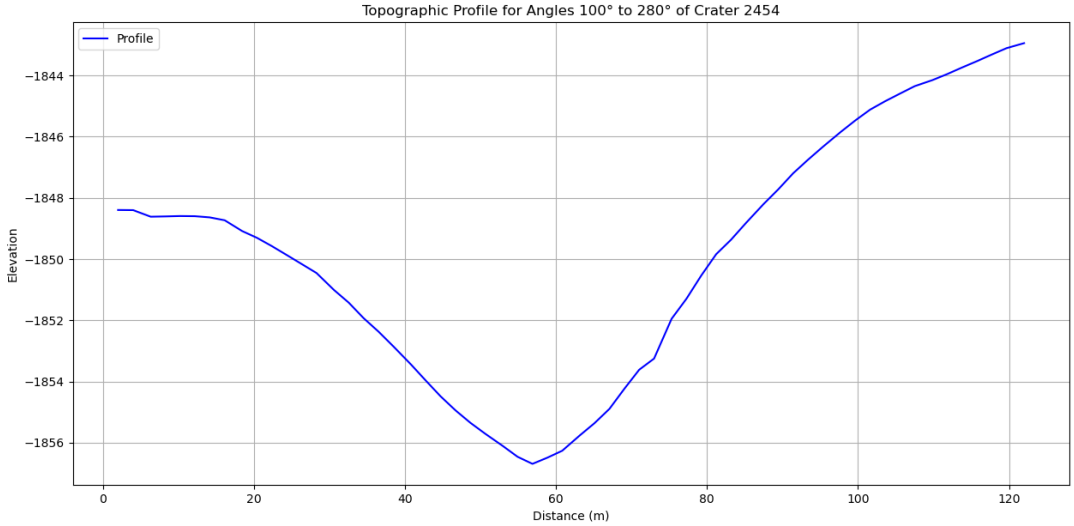
40
60
80
100
120


Topographic Profile for Angles 100° to 280° of Crater 2454
Profile
Elevation
Distance (m)
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−1846
−1848
−1850
−1852
−1854
−1856
0
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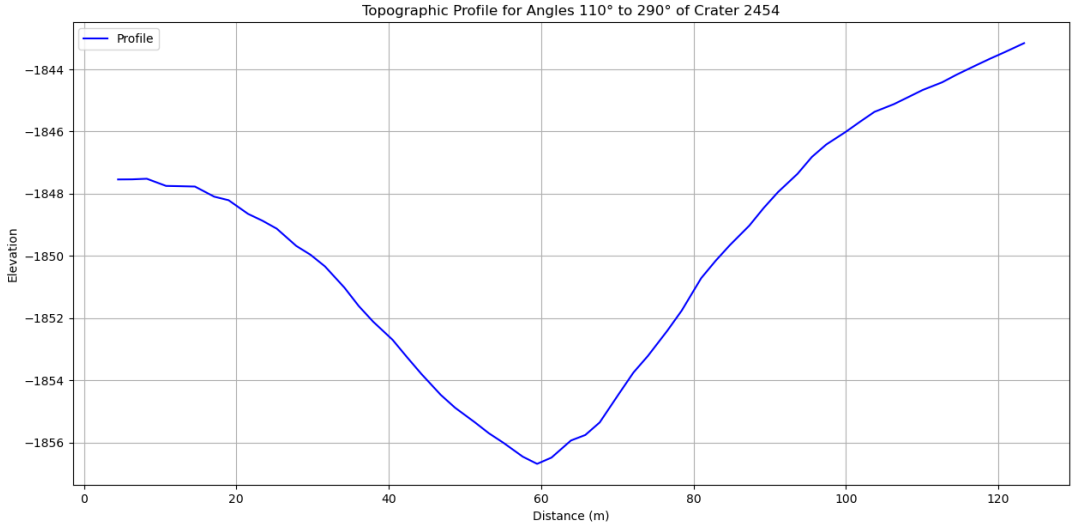
Topographic Profile for Angles 110° to 290° of Crater 2454
Profile
Elevation
−1844
−1846
−1848
−1850
−1852
−1854
−1856
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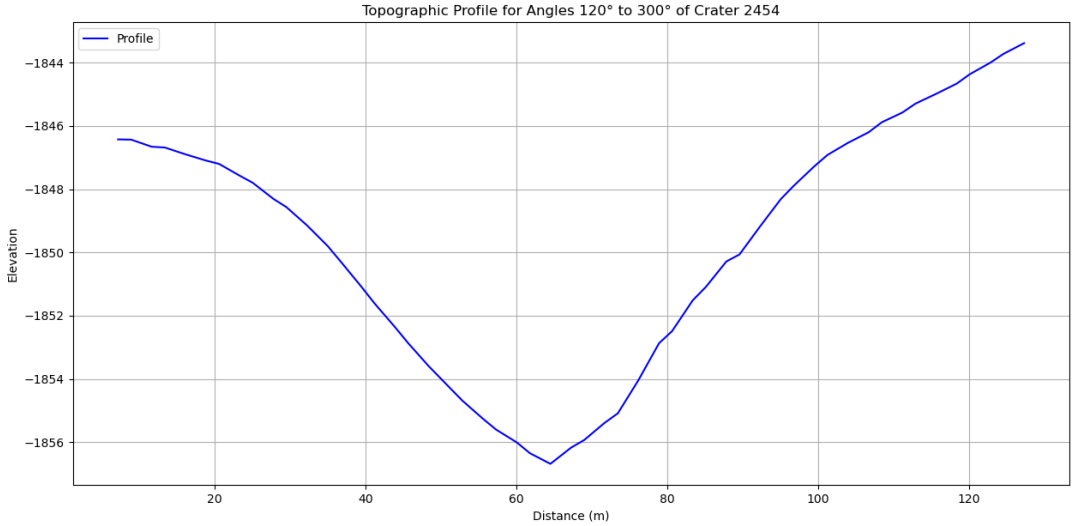
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 120° to 300° of Crater 2454
Profile
Elevation
−1844
−1846
−1848
−1850
−1852
−1854
−1856
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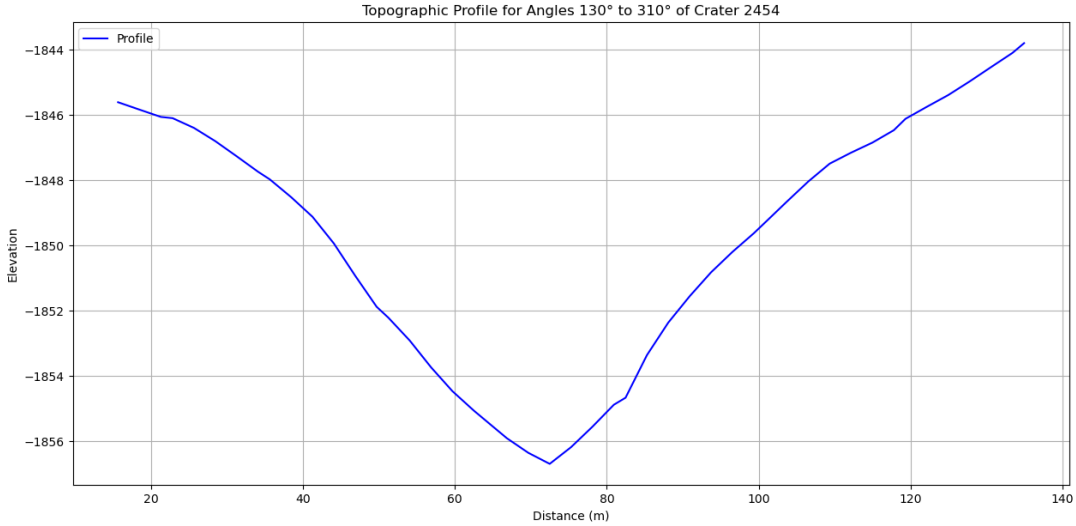
60
80
100
120
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 2454
Profile
Elevation
Distance (m)
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−1846
−1848
−1850
−1852
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−1856
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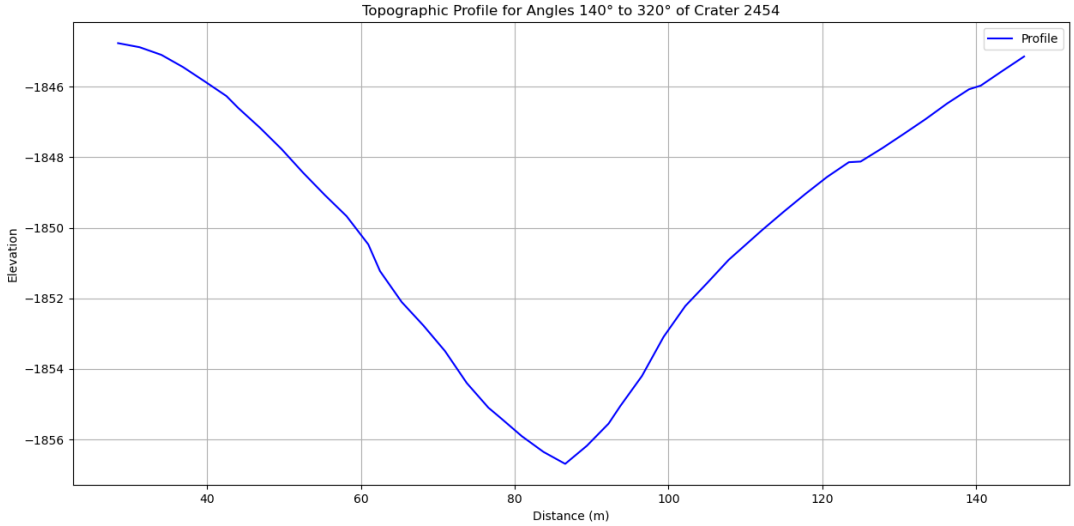
Topographic Profile for Angles 140° to 320° of Crater 2454
Profile
Elevation
Distance (m)
−1846
−1848
−1850
−1852
−1854
−1856
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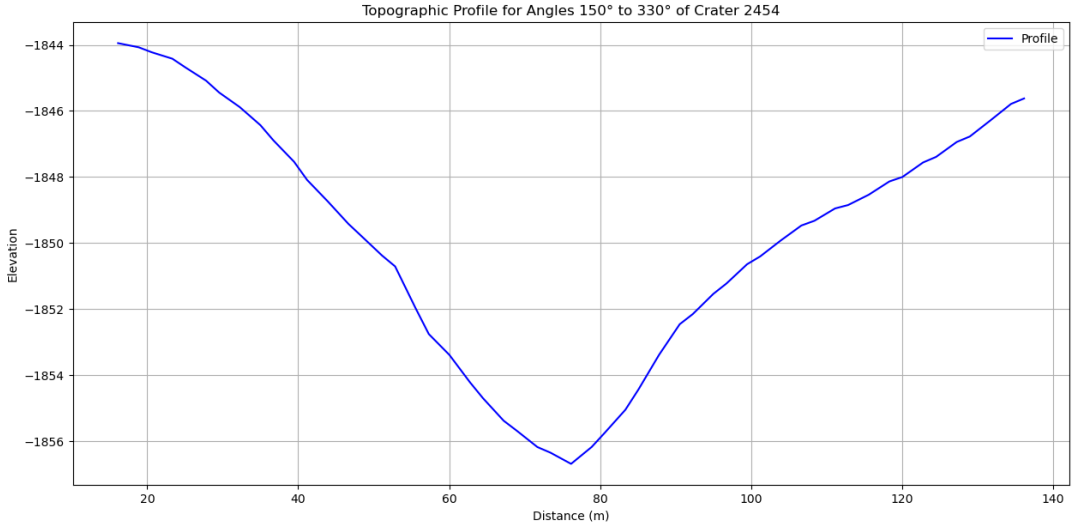
80
100
120
140


Topographic Profile for Angles 150° to 330° of Crater 2454
Profile
Elevation
−1844
−1846
−1848
−1850
−1852
−1854
−1856
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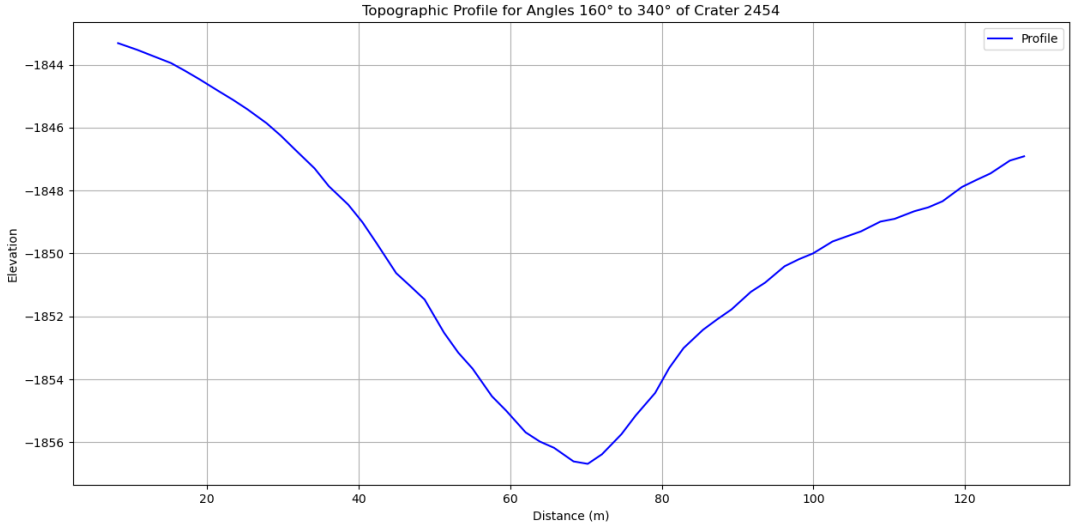
100
120
140
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 2454
Profile
Elevation
−1844
−1846
−1848
−1850
−1852
−1854
−1856
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60
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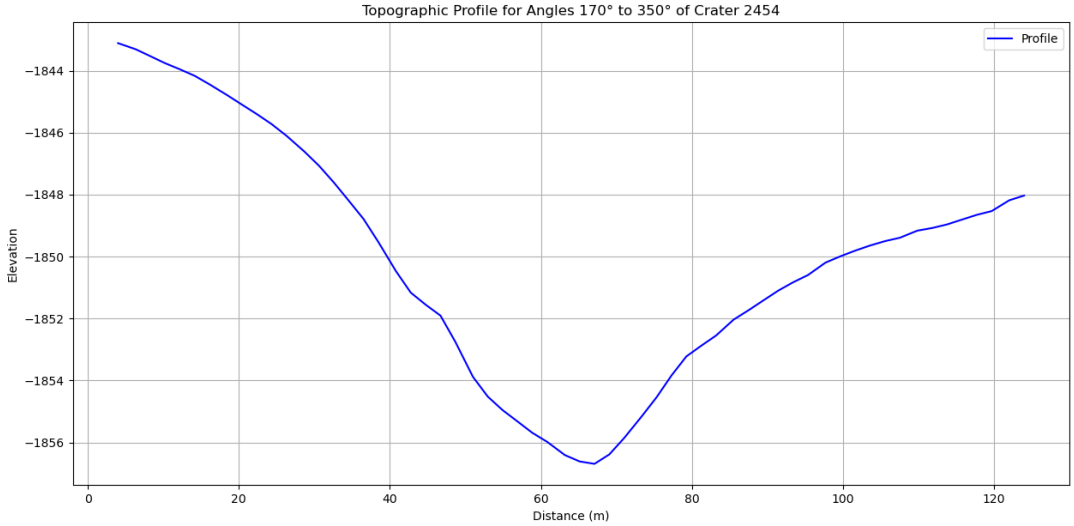
100
120
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 2454
Profile
Elevation
−1844
−1846
−1848
−1850
−1852
−1854
−1856
0
20
40
60
80
100
120
Distance (m)