Crater report 255 of RG2

General information

ID : 255

Study area : RG2

Swirl : off-swirl

Morphology : Bowl-shaped

Estimate state of degradation : BC - C

Mean Diameter : 75m ± 3.0m

Mean depht : 5.9m ± 0.3m

d/D ratio : 0.078 ± 0.005

Circularity index : 0.94

Slope : Between 10.28° et 14.42°

Mean value of TRI on the rim crest : 0.50

Geometric center coordinates : (3656381.7518993863, 233821.22071762106)

Coordinates of the crater's lowest point : (3656379.0000011004, 233819.000000069)

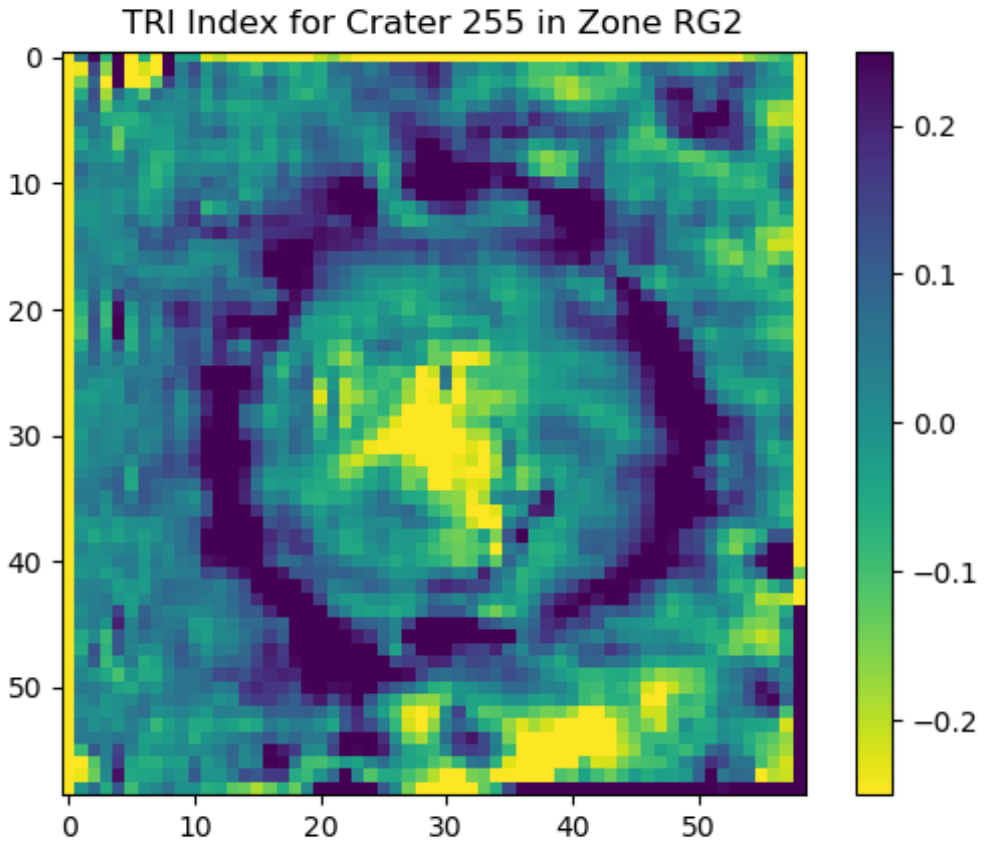
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	14.42	0.56
10°	13.61	0.55
20°	13.03	0.51
30°	12.75	0.48
40°	13.31	0.43
50°	13.5	0.43
60°	12.67	0.48
70°	12.87	0.52
80°	12.64	0.55
90°	13.49	0.56
100°	13.28	0.55
110°	12.52	0.51

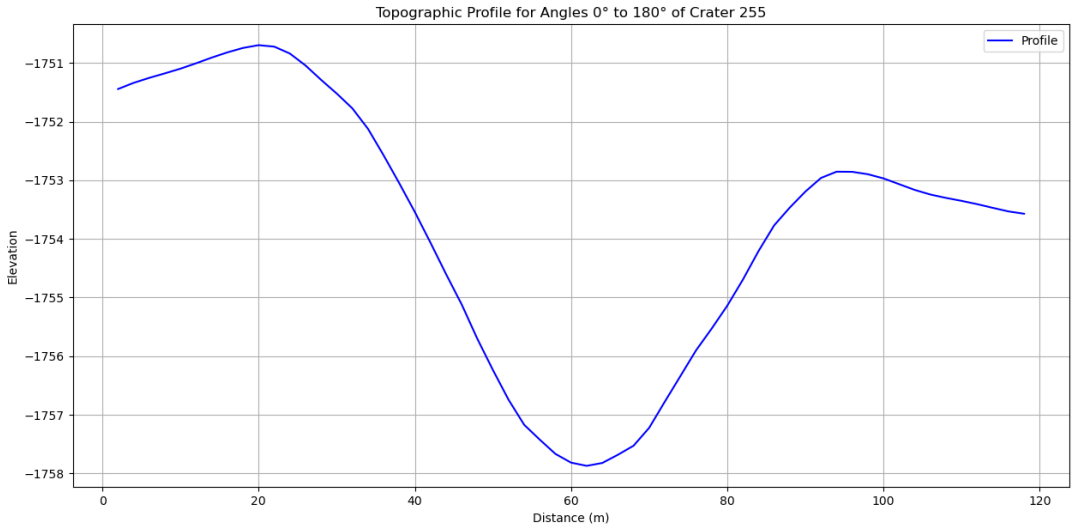
120°	12.19	0.48
130°	12.35	0.43
140°	11.26	0.43
150°	10.88	0.49
160°	11.64	0.52
170°	11.96	0.55
180°	12.13	0.57
190°	10.91	0.55
200°	10.28	0.51
210°	10.34	0.48
220°	10.9	0.43
230°	10.93	0.43
240°	10.75	0.46
250°	10.79	0.5
260°	11.62	0.55
270°	12.24	0.57
280°	11.62	0.55
290°	11.16	0.5
300°	10.99	0.48
310°	11.74	0.43
320°	12.38	0.43
330°	12.6	0.48
340°	12.66	0.51
350°	14.05	0.54

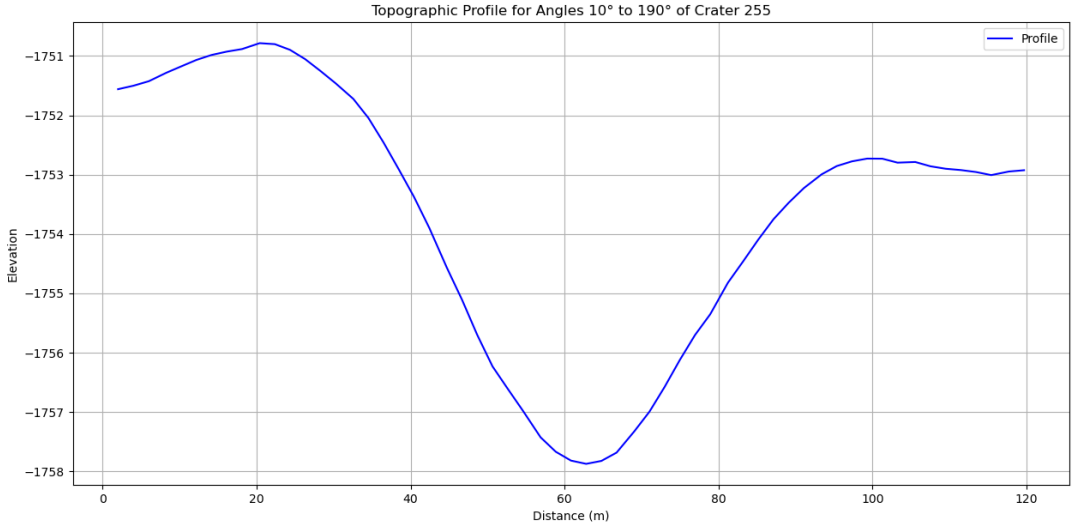
Topographic roughness index (TRI)

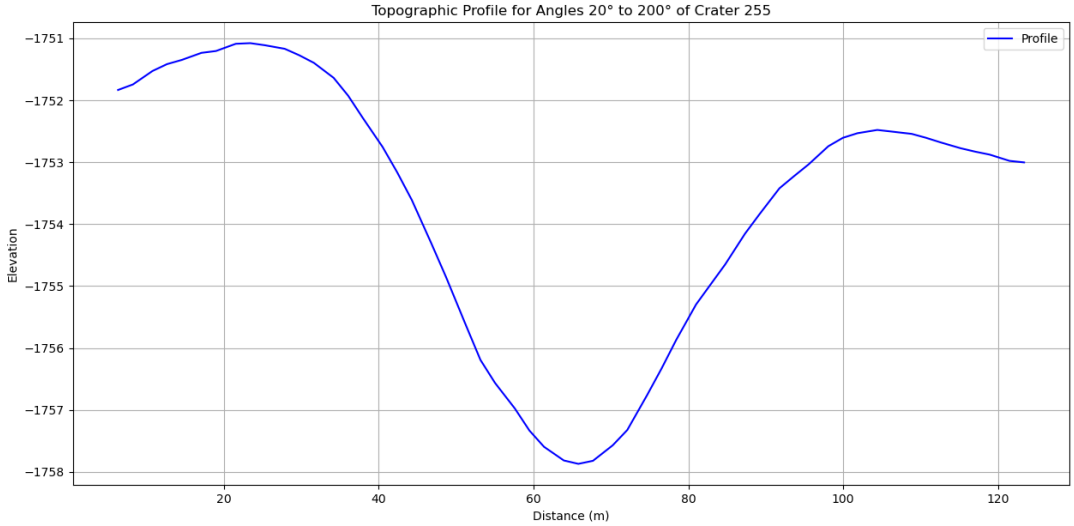
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

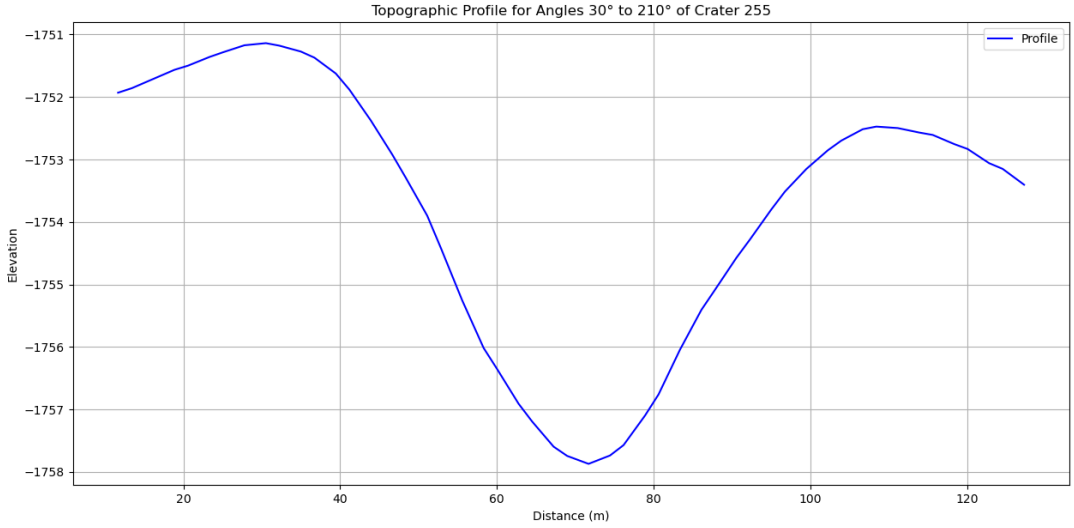


Topographic profiles




Topographic Profile for Angles 10° to 190° of Crater 255
Profile
Elevation
Distance (m)
−1751
−1752
−1753
−1754
−1755
−1756
−1757
−1758
0
20
40
60
80
100
120


Topographic Profile for Angles 20° to 200° of Crater 255
Profile
Elevation
Distance (m)
−1751
−1752
−1753
−1754
−1755
−1756
−1757
−1758
20
40
60
80
100
120


Topographic Profile for Angles 30° to 210° of Crater 255
Profile
Elevation
Distance (m)
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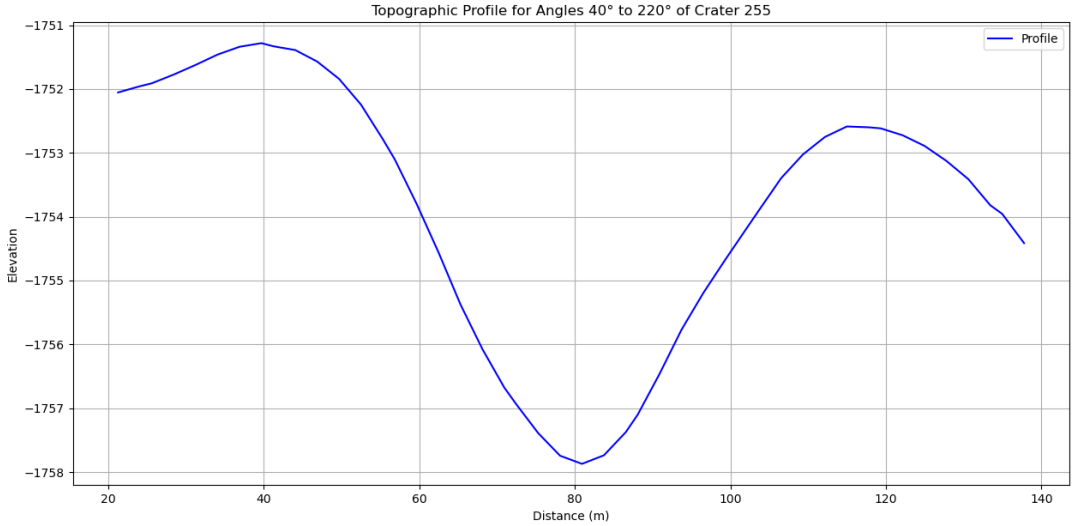
−1752
−1753
−1754
−1755
−1756
−1757
−1758
20
40
60
80
100
120


Topographic Profile for Angles 40° to 220° of Crater 255
Profile
Elevation
Distance (m)
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−1752
−1753
−1754
−1755
−1756
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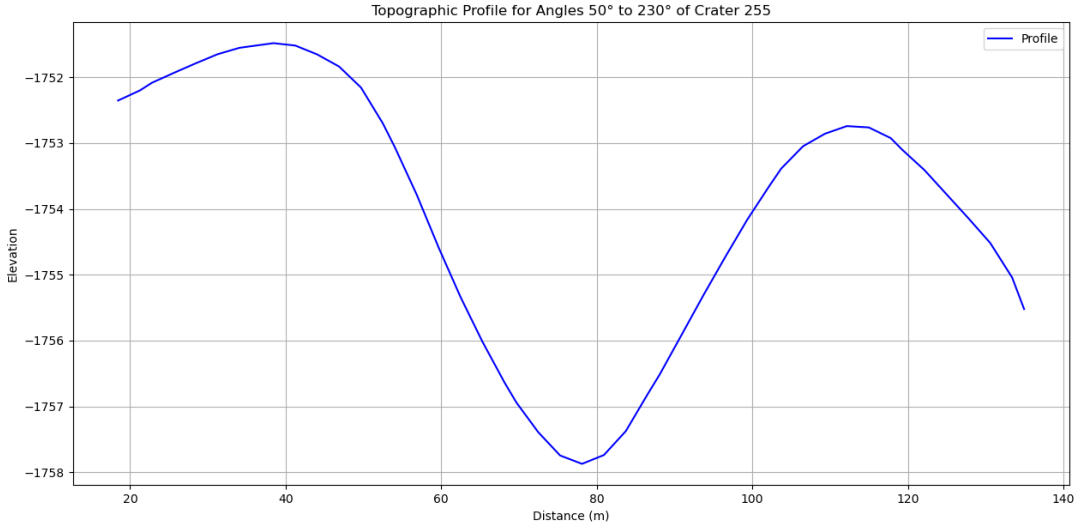
−1758
20
40
60
80
100
120
140


Topographic Profile for Angles 50° to 230° of Crater 255
Profile
Elevation
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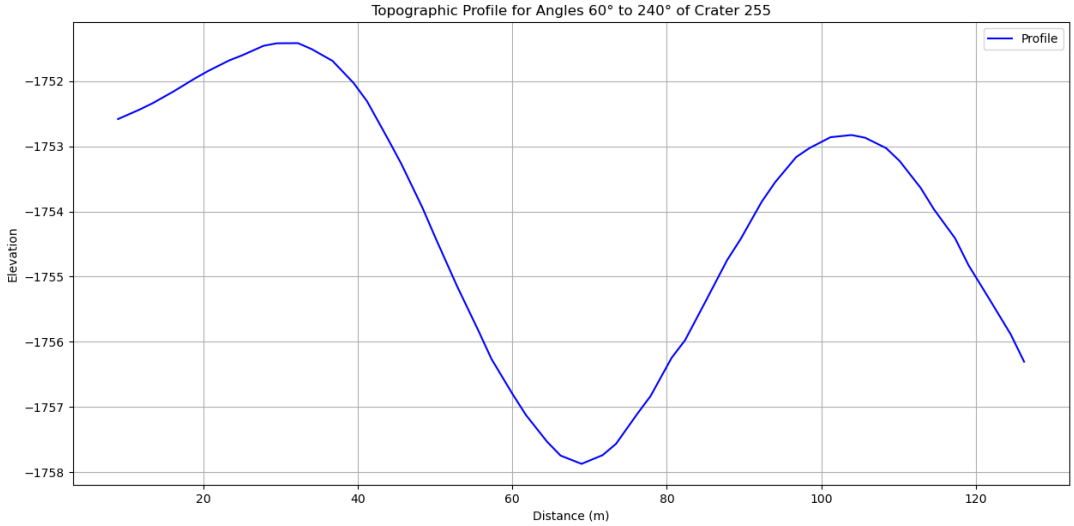
−1753
−1754
−1755
−1756
−1757
−1758
20
40
60
80
100
120
140
Distance (m)


Topographic Profile for Angles 60° to 240° of Crater 255
Profile
Elevation
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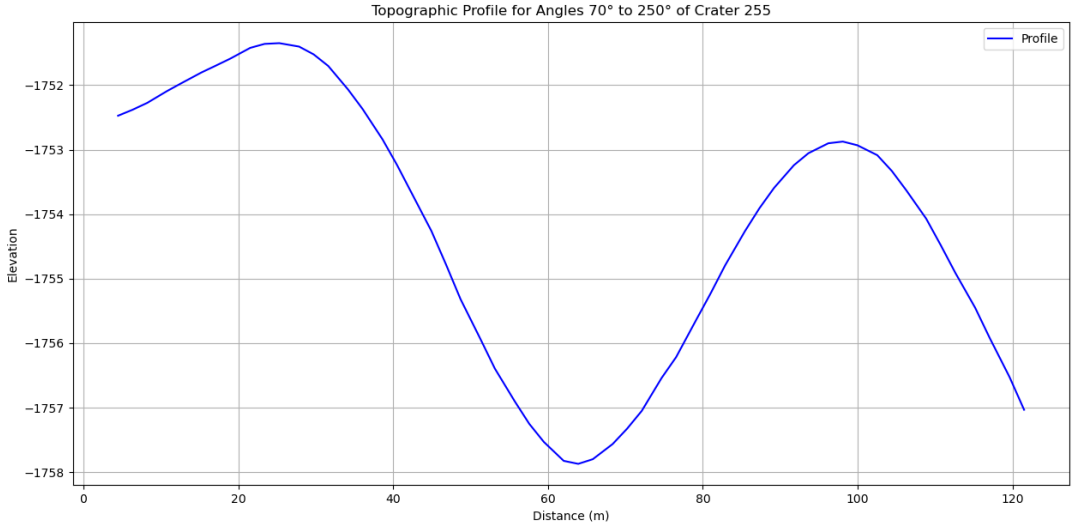
−1754
−1755
−1756
−1757
−1758
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 70° to 250° of Crater 255
Profile
Elevation
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−1755
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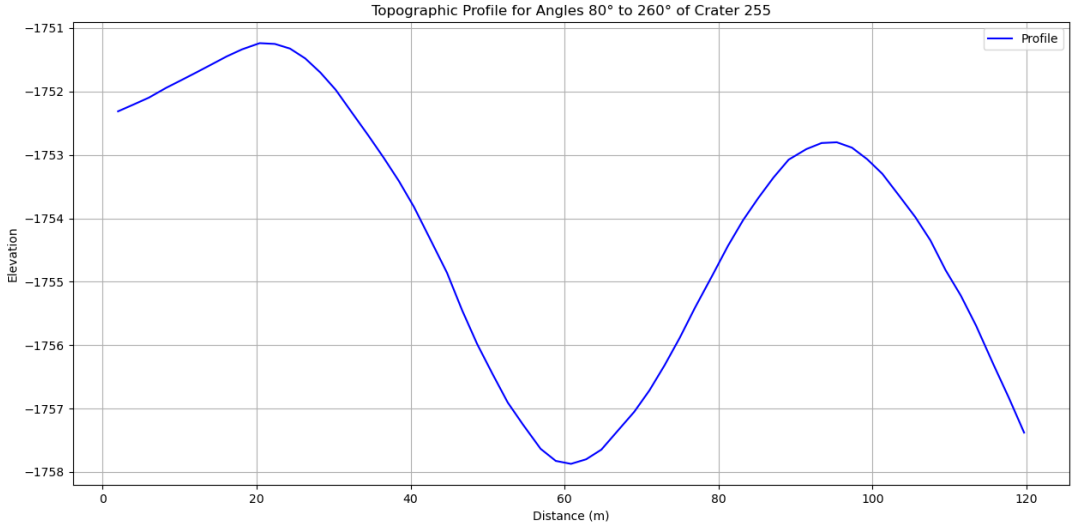
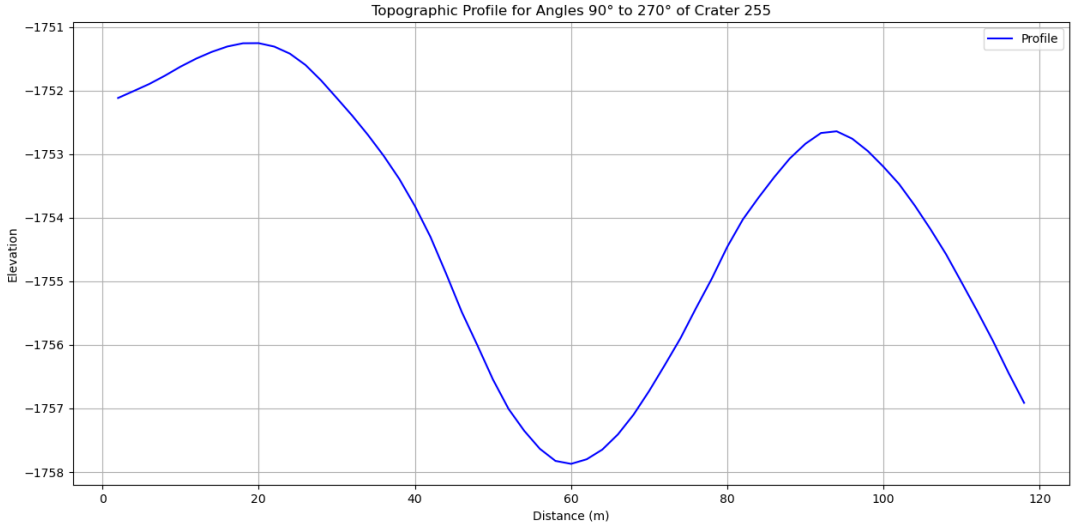
−1757
−1758
0
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 80° to 260° of Crater 255
Profile
Elevation
−1751
−1752
−1753
−1754
−1755
−1756
−1757
−1758
0
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 90° to 270° of Crater 255
Profile
Elevation
Distance (m)
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−1753
−1754
−1755
−1756
−1757
−1758
0
20
40
60
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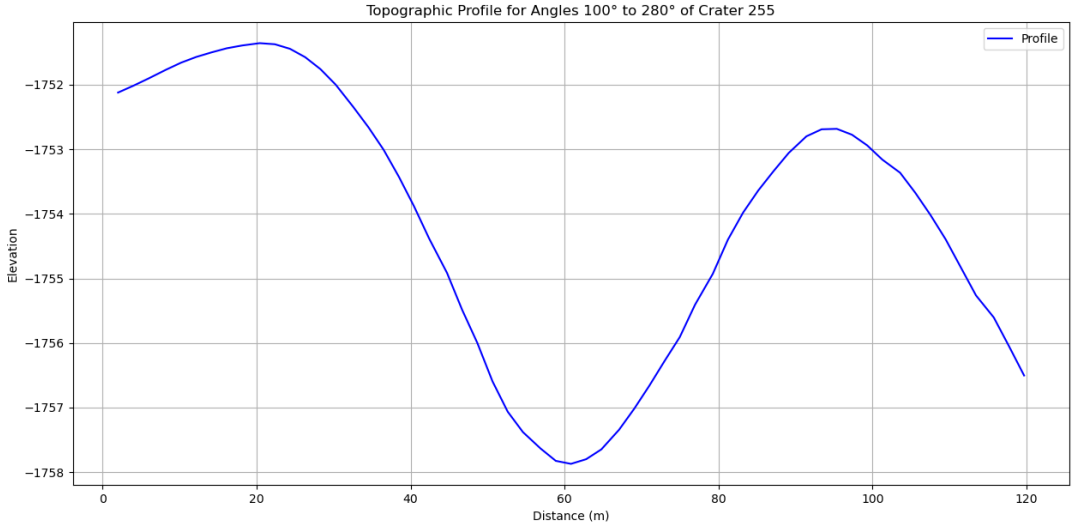
120


Topographic Profile for Angles 100° to 280° of Crater 255
Profile
Elevation
Distance (m)
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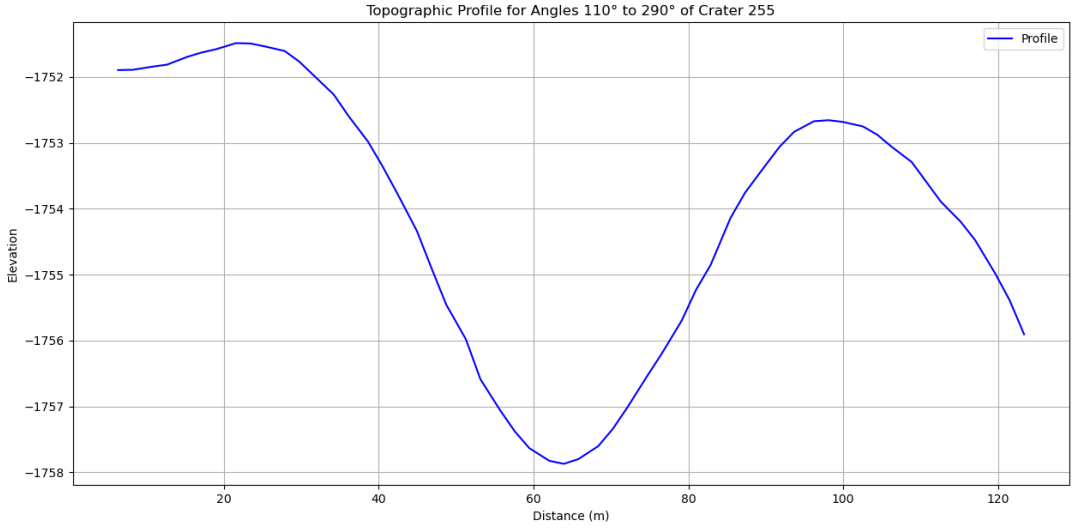
−1753
−1754
−1755
−1756
−1757
−1758
0
20
40
60
80
100
120


Topographic Profile for Angles 110° to 290° of Crater 255
Profile
Elevation
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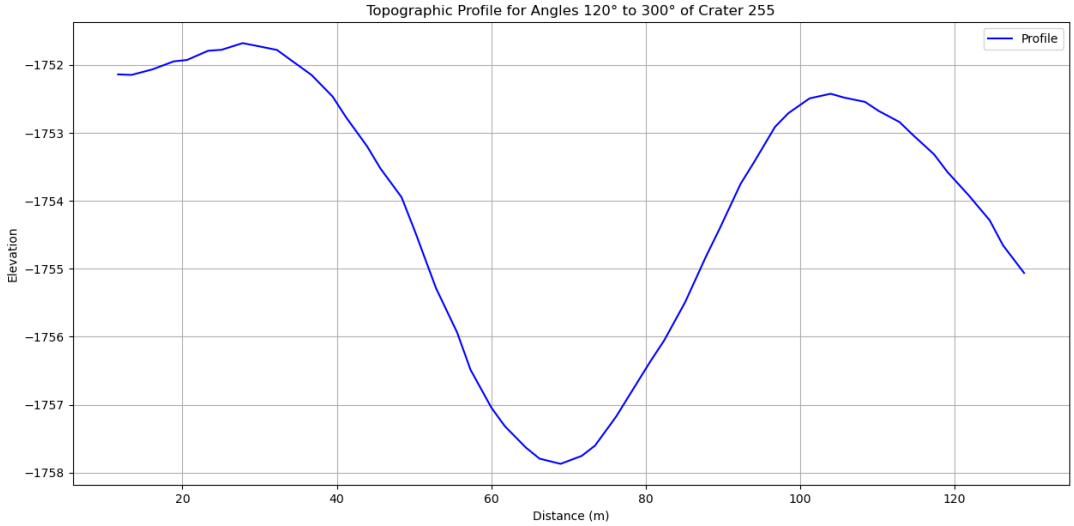
−1754
−1755
−1756
−1757
−1758
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 120° to 300° of Crater 255
Profile
Elevation
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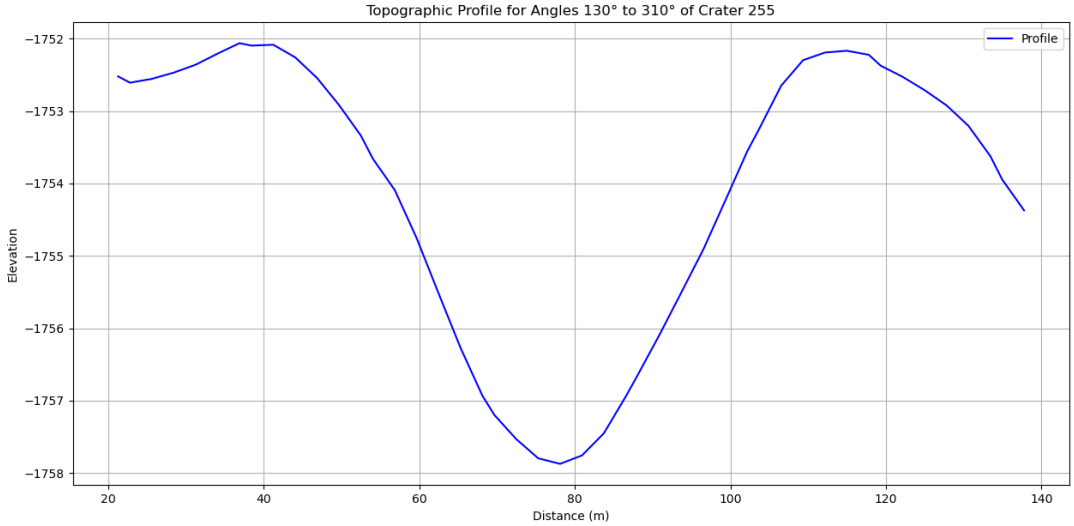
−1754
−1755
−1756
−1757
−1758
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 255
Profile
Elevation
Distance (m)
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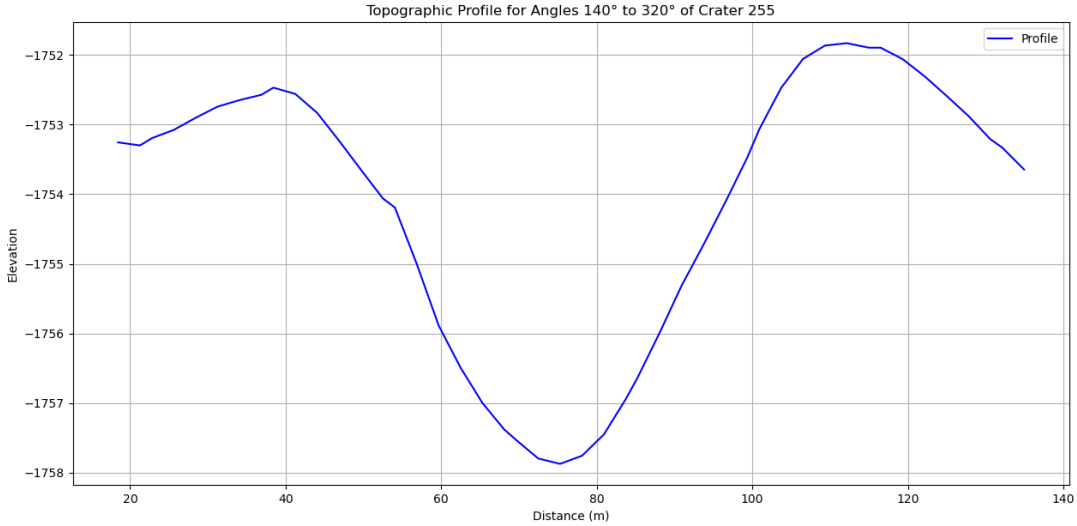
−1753
−1754
−1755
−1756
−1757
−1758
20
40
60
80
100
120
140


Topographic Profile for Angles 140° to 320° of Crater 255
Profile
Elevation
Distance (m)
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−1754
−1755
−1756
−1757
−1758
20
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60
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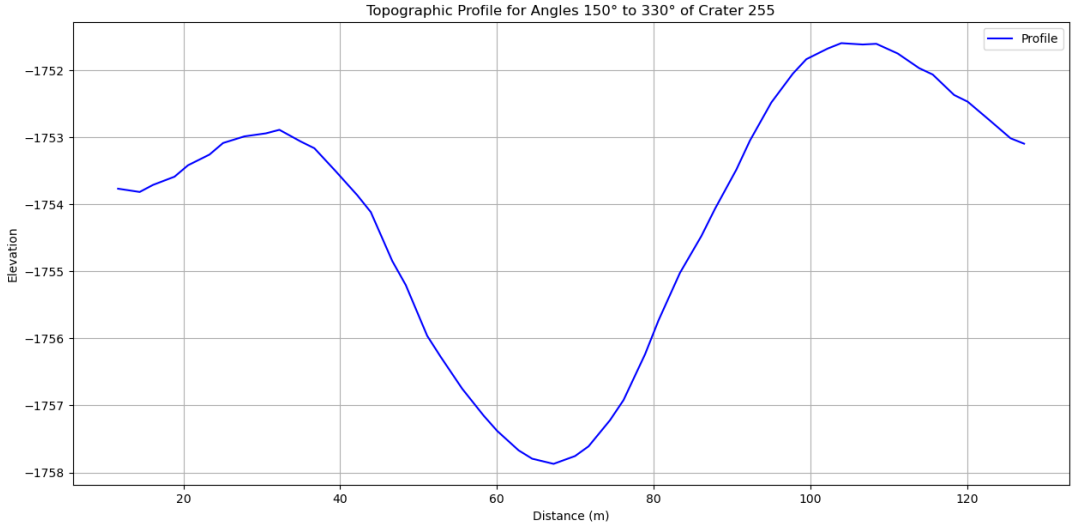
Topographic Profile for Angles 150° to 330° of Crater 255
Profile
Elevation
Distance (m)
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−1753
−1754
−1755
−1756
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−1758
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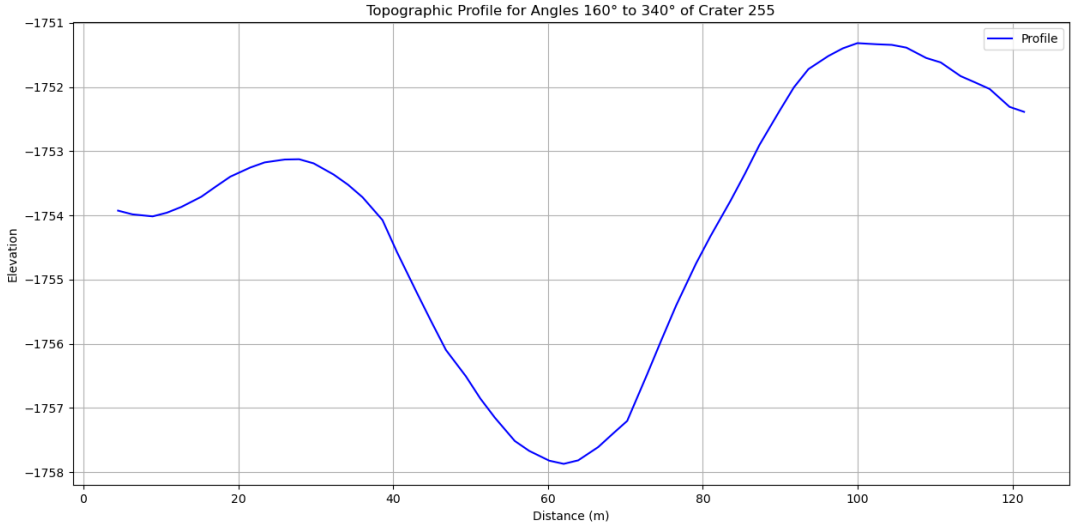
Topographic Profile for Angles 160° to 340° of Crater 255
Profile
Elevation
Distance (m)
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−1754
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−1756
−1757
−1758
0
20
40
60
80
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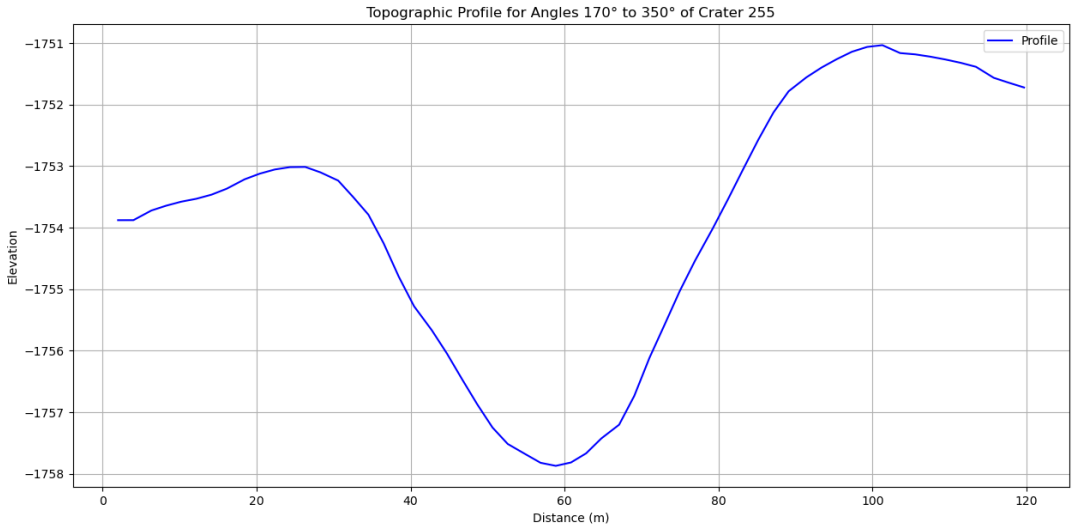
Topographic Profile for Angles 170° to 350° of Crater 255
Profile
Elevation
−1751
−1752
−1753
−1754
−1755
−1756
−1757
−1758
0
20
40
60
80
100
120
Distance (m)