Crater report 459 of RG2

General information

ID : 459

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : BC - C

Mean Diameter : 155m ± 10.0m

Mean depht : 10.6m ± 0.4m

d/D ratio : 0.068 ± 0.005

Circularity index : 0.91

Slope : Between 8.62° et 13.44°

Mean value of TRI on the rim crest : 0.52

Geometric center coordinates : (3656169.630946226, 231273.31316595853)

Coordinates of the crater's lowest point : (3656169.0000011004, 231265.00000006825)

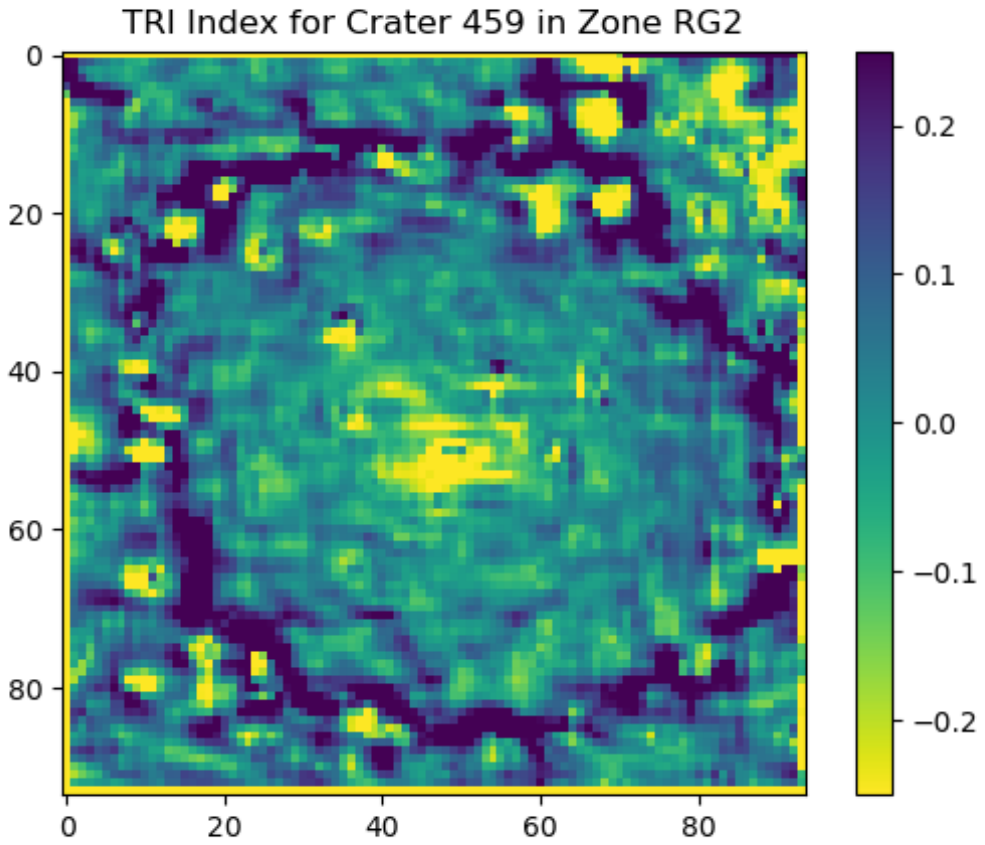
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	12.69	0.57
10°	12.79	0.55
20°	13.17	0.51
30°	13.05	0.47
40°	12.56	0.43
50°	12.35	0.43
60°	12.72	0.47
70°	12.98	0.51
80°	12.77	0.54
90°	13.44	0.56
100°	11.76	0.54
110°	10.84	0.52

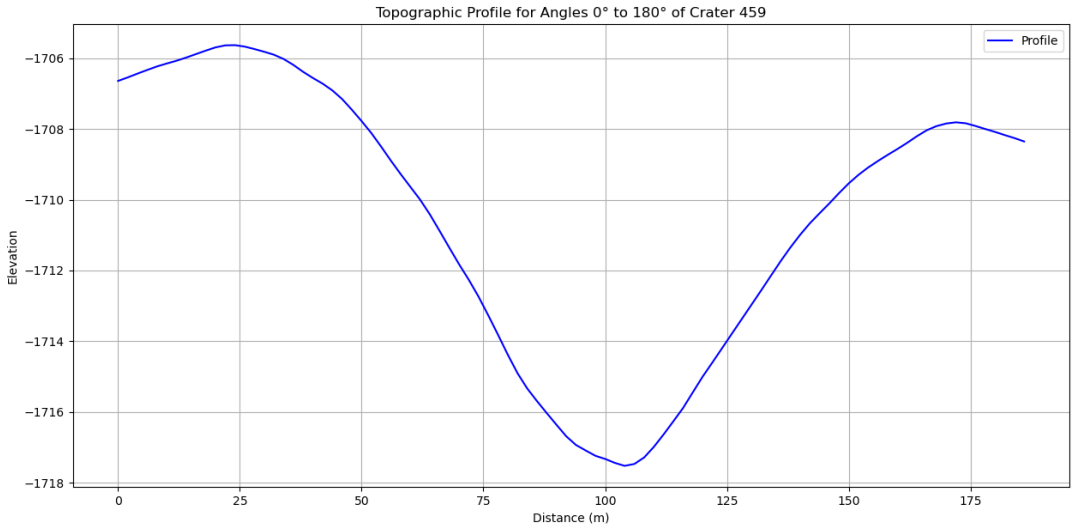
120°	9.95	0.48
130°	9.88	0.43
140°	9.23	0.43
150°	8.62	0.48
160°	9.36	0.51
170°	9.92	0.54
180°	10.61	0.57
190°	10.64	0.54
200°	11.33	0.52
210°	11.21	0.48
220°	10.92	0.44
230°	10.41	0.44
240°	9.54	0.47
250°	9.0	0.52
260°	8.62	0.54
270°	9.03	0.57
280°	8.96	0.54
290°	8.94	0.51
300°	9.38	0.48
310°	10.49	0.43
320°	11.63	0.42
330°	11.12	0.48
340°	11.89	0.51
350°	12.23	0.55

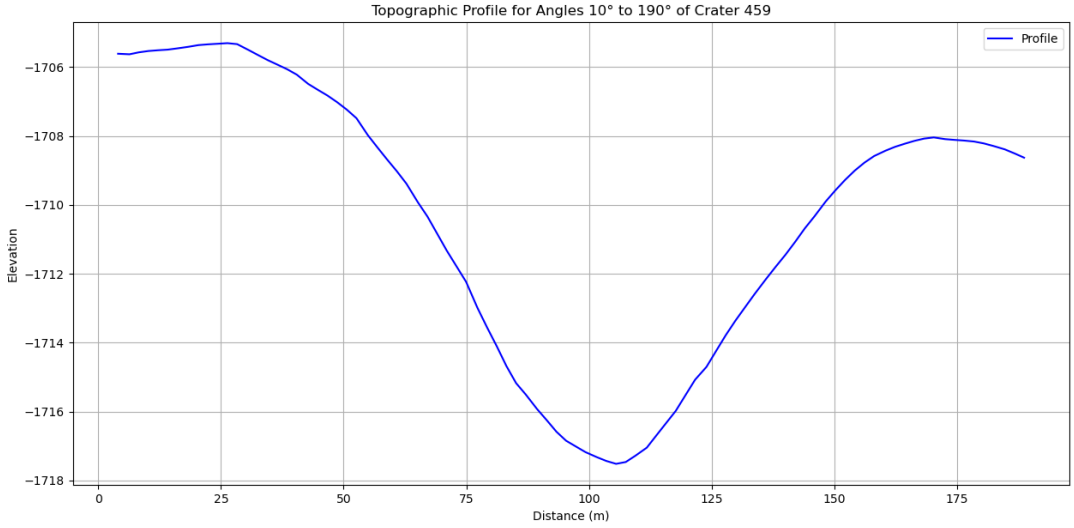
Topographic roughness index (TRI)

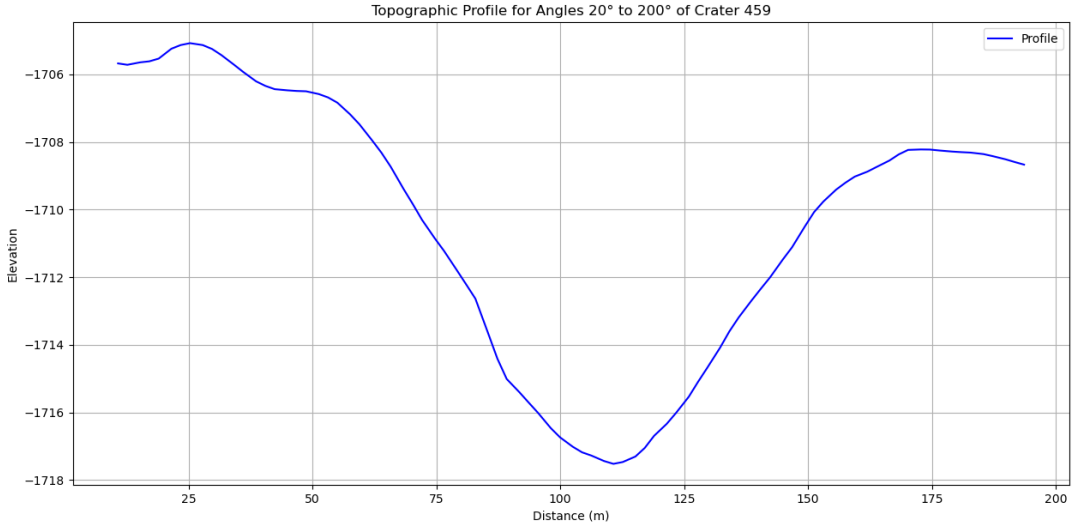
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

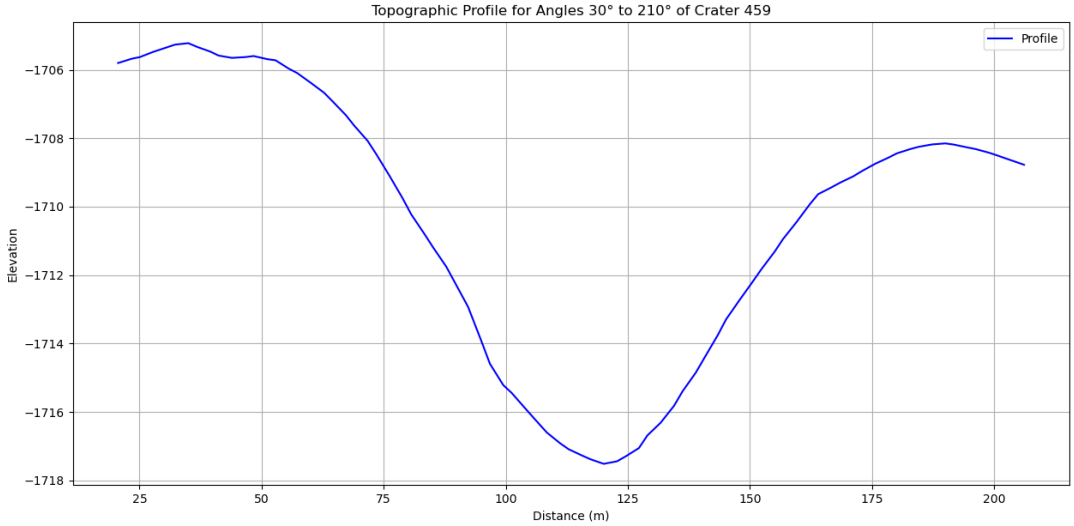


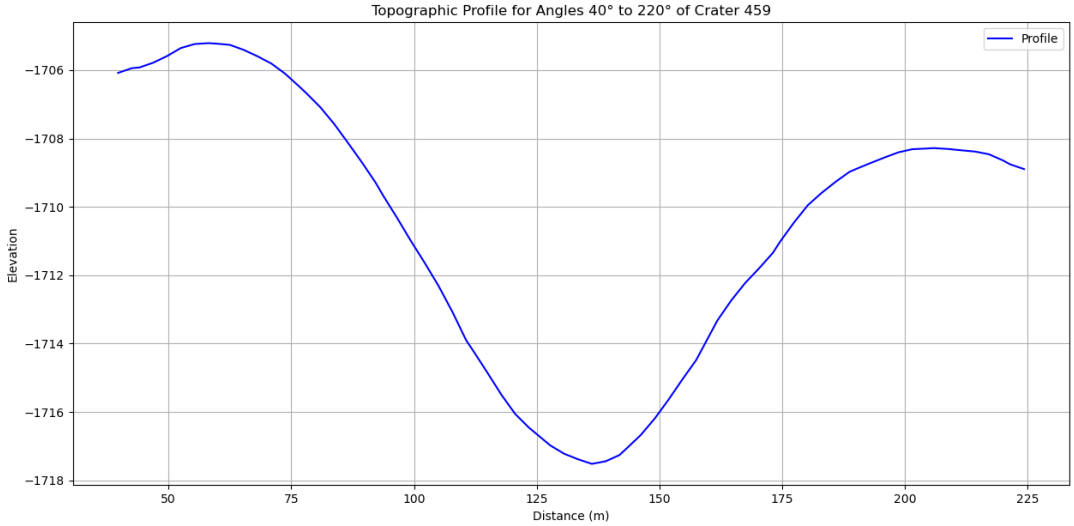
Topographic profiles

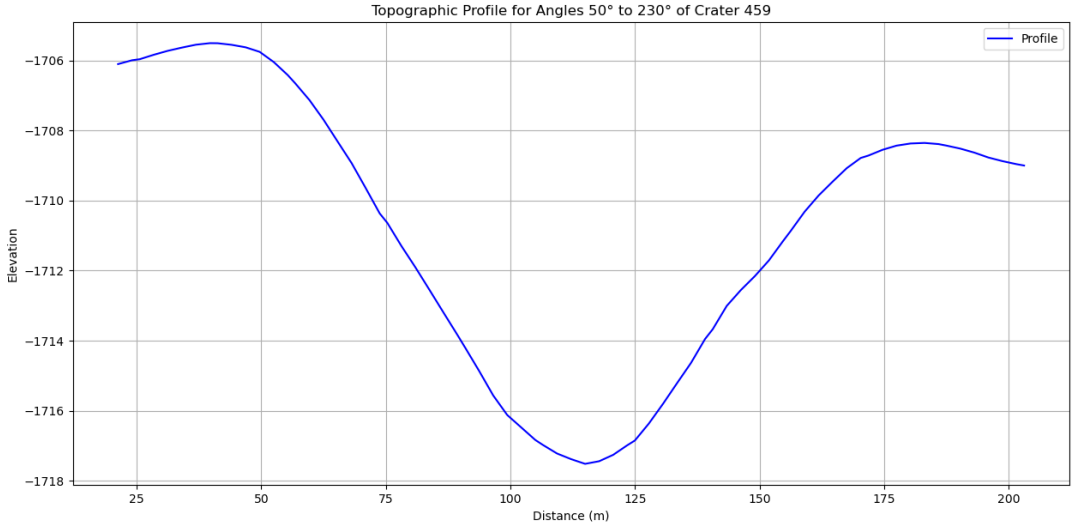


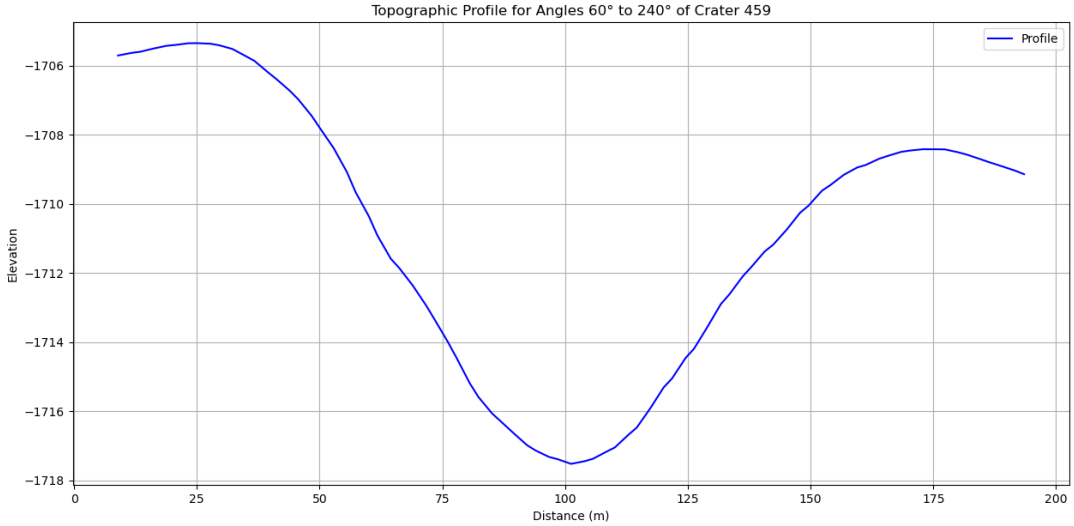

Topographic Profile for Angles 10° to 190° of Crater 459
Profile
Elevation
Distance (m)
−1706
−1708
−1710
−1712
−1714
−1716
−1718
0
25
50
75
100
125
150
175

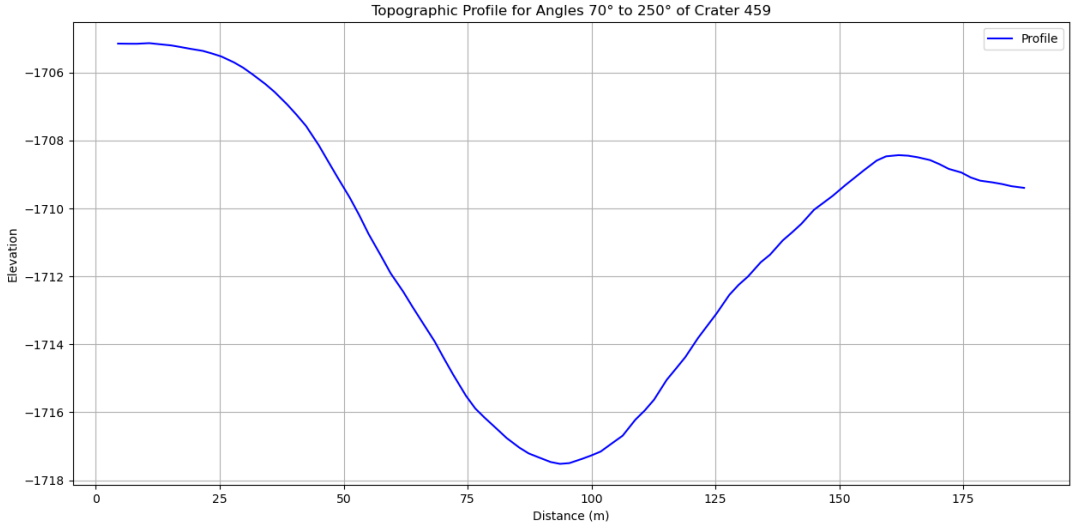

Topographic Profile for Angles 20° to 200° of Crater 459
Profile
Elevation
Distance (m)
−1706
−1708
−1710
−1712
−1714
−1716
−1718
25
50
75
100
125
150
175
200

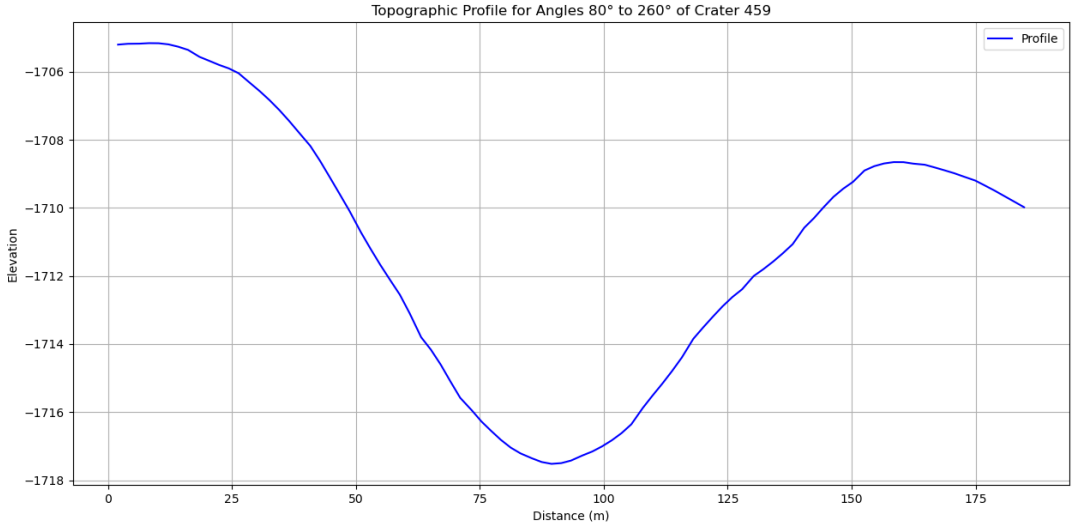

Topographic Profile for Angles 30° to 210° of Crater 459
Profile
Elevation
Distance (m)
−1706
−1708
−1710
−1712
−1714
−1716
−1718
25
50
75
100
125
150
175
200

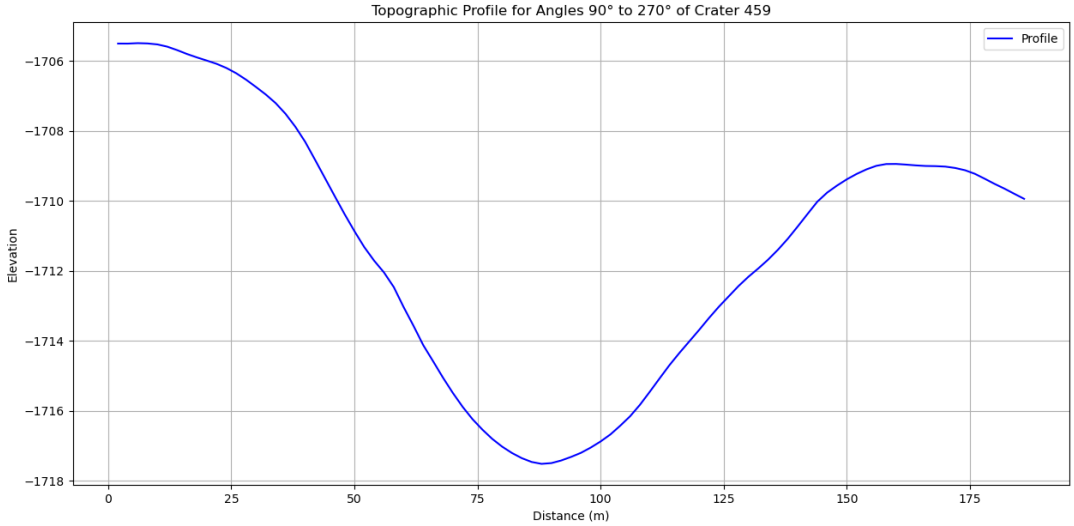

Topographic Profile for Angles 40° to 220° of Crater 459
Profile
Elevation
Distance (m)
−1706
−1708
−1710
−1712
−1714
−1716
−1718
50
75
100
125
150
175
200
225


Topographic Profile for Angles 50° to 230° of Crater 459
Profile
Elevation
Distance (m)
−1706
−1708
−1710
−1712
−1714
−1716
−1718
25
50
75
100
125
150
175
200


Topographic Profile for Angles 60° to 240° of Crater 459
Profile
Elevation
Distance (m)
−1706
−1708
−1710
−1712
−1714
−1716
−1718
0
25
50
75
100
125
150
175
200


Topographic Profile for Angles 70° to 250° of Crater 459
Profile
Elevation
−1706
−1708
−1710
−1712
−1714
−1716
−1718
0
25
50
75
100
125
150
175
Distance (m)


Topographic Profile for Angles 80° to 260° of Crater 459
Profile
Elevation
−1706
−1708
−1710
−1712
−1714
−1716
−1718
0
25
50
75
100
125
150
175
Distance (m)


Topographic Profile for Angles 90° to 270° of Crater 459
Profile
Elevation
−1706
−1708
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−1712
−1714
−1716
−1718
0
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50
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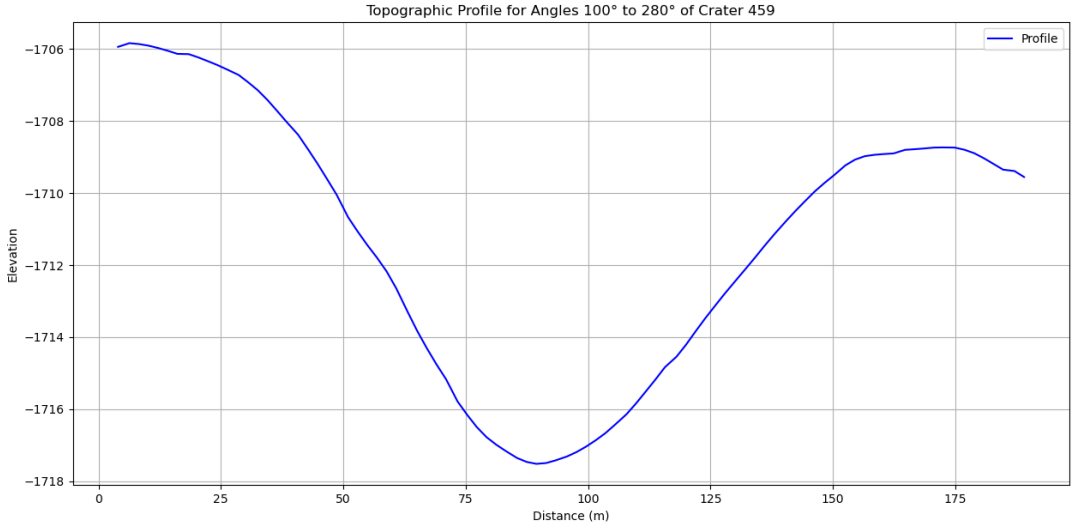
100
125
150
175
Distance (m)


Topographic Profile for Angles 100° to 280° of Crater 459
Profile
Elevation
−1706
−1708
−1710
−1712
−1714
−1716
−1718
0
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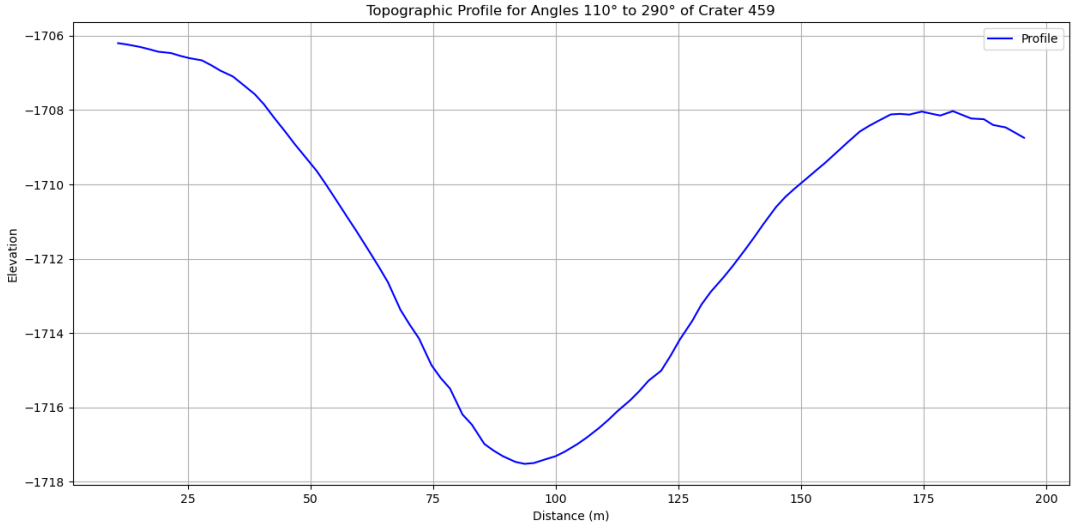
50
75
100
125
150
175
Distance (m)


Topographic Profile for Angles 110° to 290° of Crater 459
Profile
Elevation
Distance (m)
−1706
−1708
−1710
−1712
−1714
−1716
−1718
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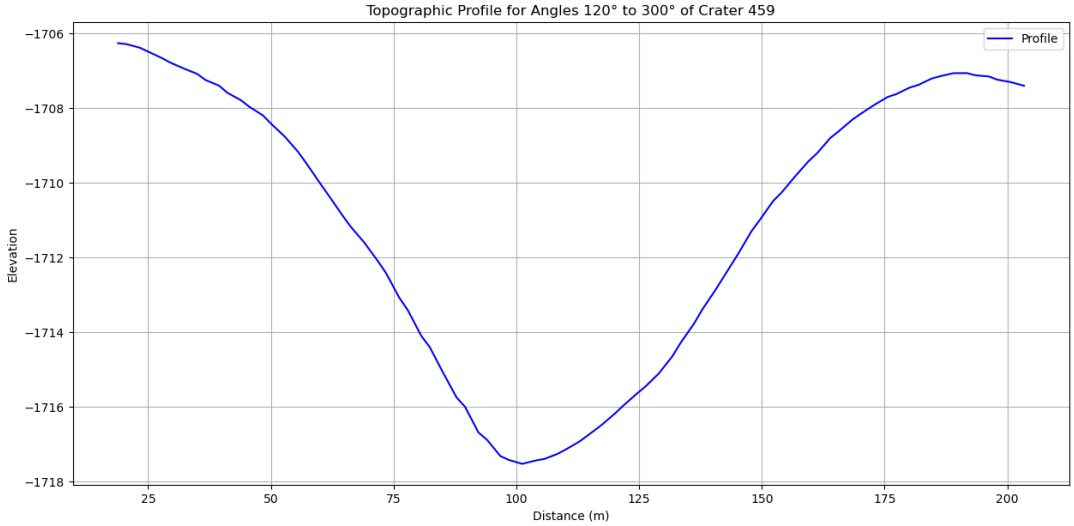
Topographic Profile for Angles 120° to 300° of Crater 459
Profile
Elevation
Distance (m)
−1706
−1708
−1710
−1712
−1714
−1716
−1718
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125
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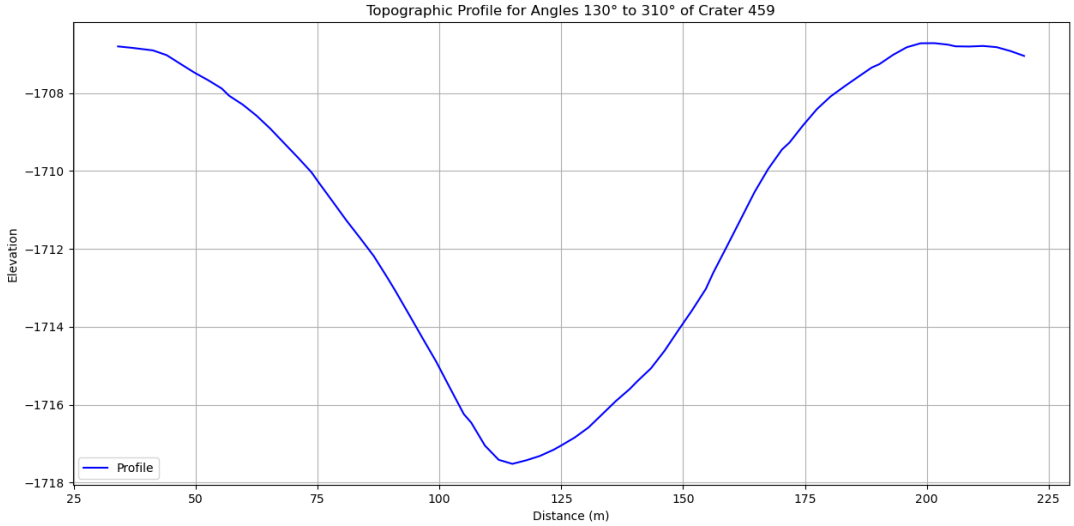
Topographic Profile for Angles 130° to 310° of Crater 459
Elevation
Distance (m)
Profile
−1708
−1710
−1712
−1714
−1716
−1718
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75
100
125
150
175
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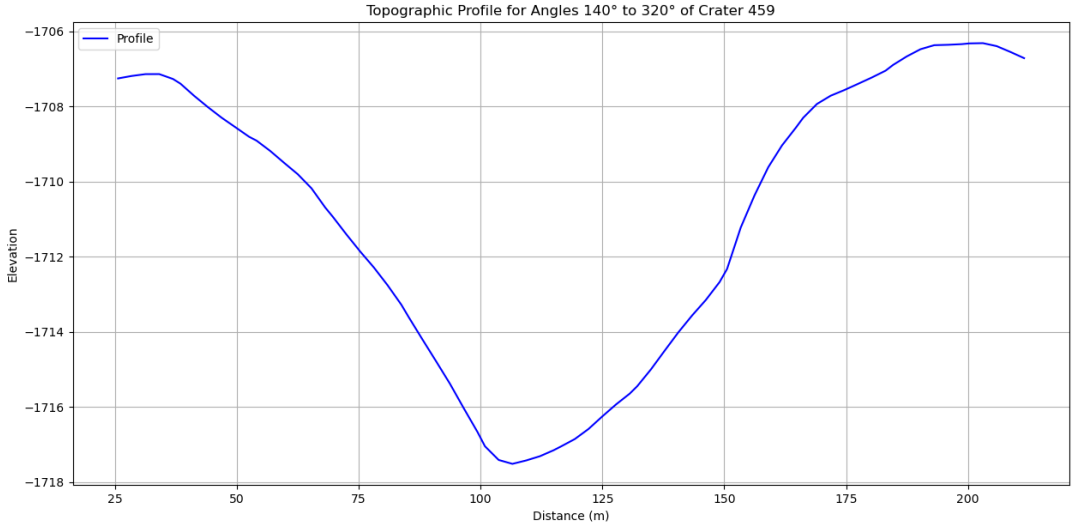
225


Topographic Profile for Angles 140° to 320° of Crater 459
Elevation
Distance (m)
Profile
−1706
−1708
−1710
−1712
−1714
−1716
−1718
25
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125
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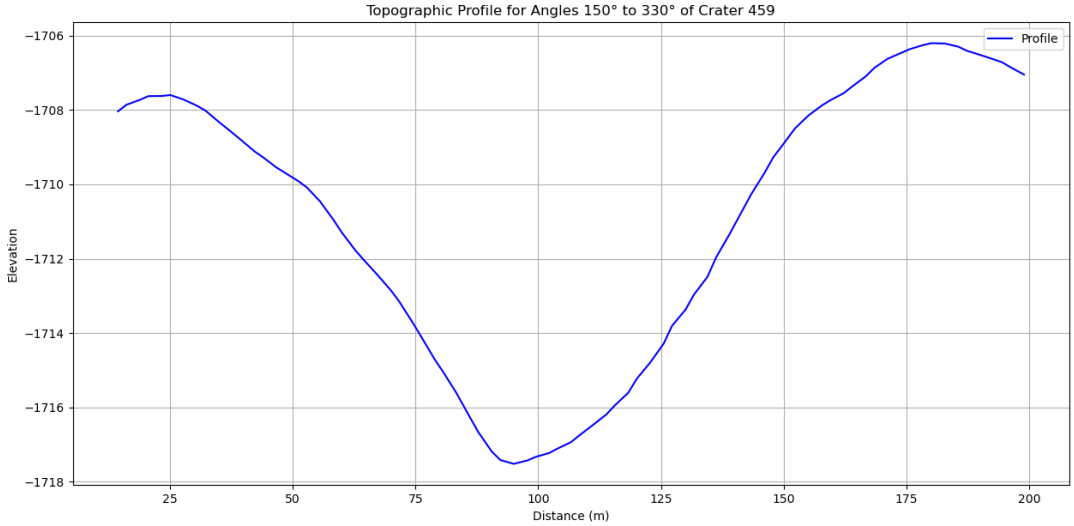
Topographic Profile for Angles 150° to 330° of Crater 459
Profile
Elevation
Distance (m)
−1706
−1708
−1710
−1712
−1714
−1716
−1718
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125
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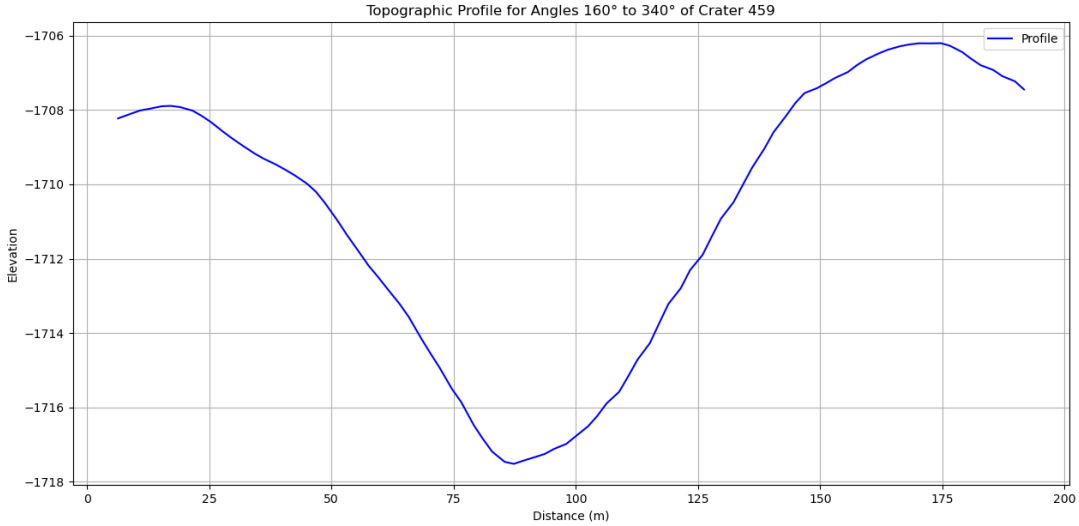
Topographic Profile for Angles 160° to 340° of Crater 459
Profile
Elevation
Distance (m)
−1706
−1708
−1710
−1712
−1714
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−1718
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100
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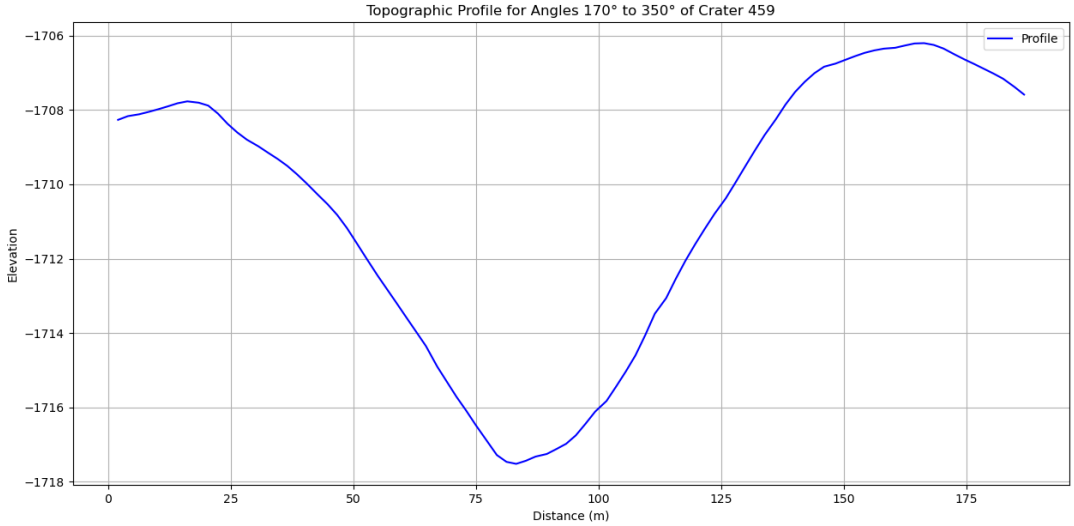
Topographic Profile for Angles 170° to 350° of Crater 459
Profile
Elevation
−1706
−1708
−1710
−1712
−1714
−1716
−1718
0
25
50
75
100
125
150
175
Distance (m)