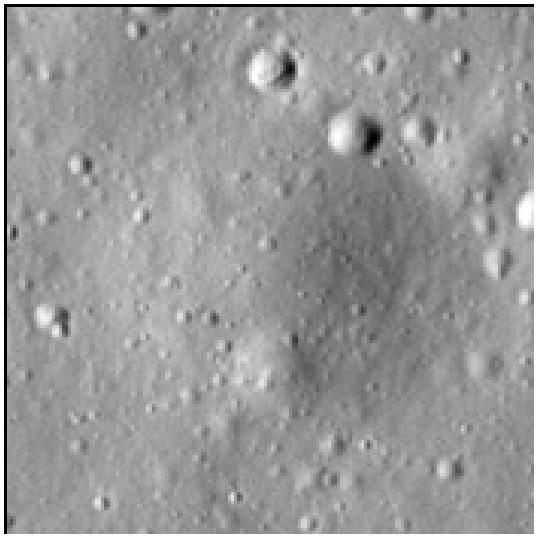
Crater report 1001 of RG2

General information



ID : 1001

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 87m ± 5.0m

Mean depht : 2.5m ± 0.3m

d/D ratio : 0.028 ± 0.003

Circularity index : 0.91

Mean slope : 3.59°

Mean value of TRI on the rim crest : 0.32

Geometric center coordinates : (3658930.1373068285, 228255.4298269408)

Coordinates of the crater's lowest point : (3658931.000001101, 228247.00000006735)

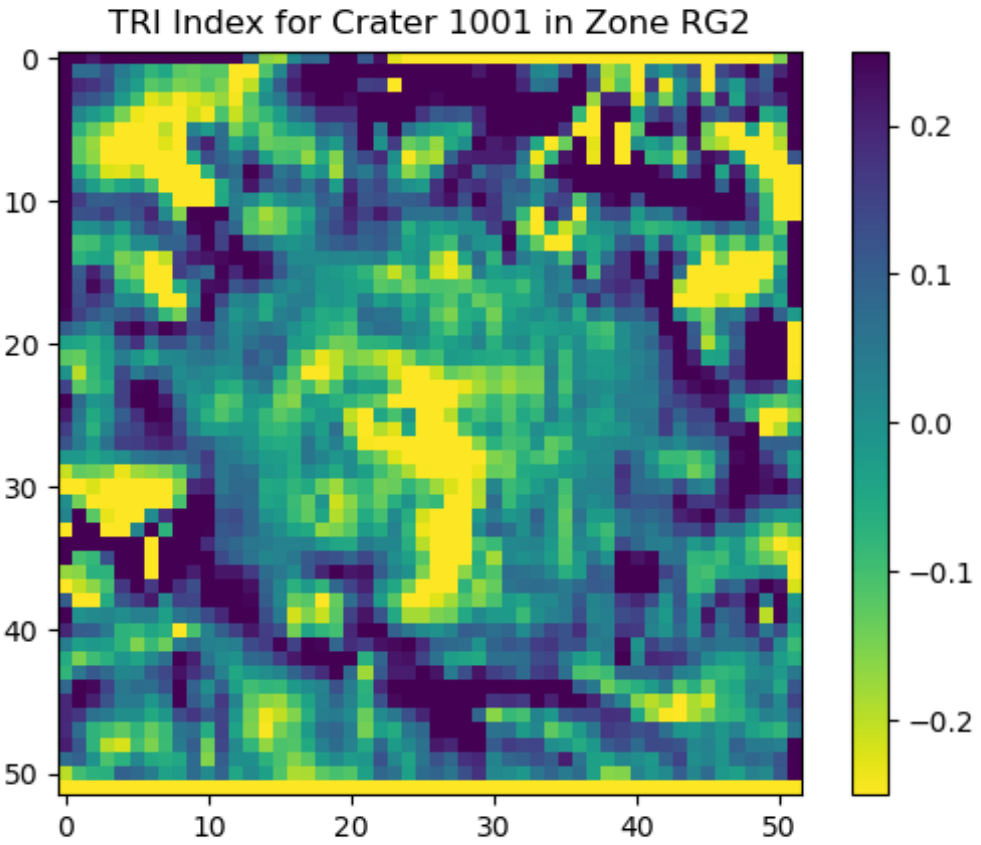
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	4.7	0.57
10°	4.61	0.54
20°	4.41	0.52
30°	4.14	0.48
40°	4.64	0.43
50°	4.85	0.43
60°	4.59	0.48
70°	4.74	0.52
80°	4.8	0.54
90°	4.92	0.57
100°	4.57	0.54
110°	4.28	0.51

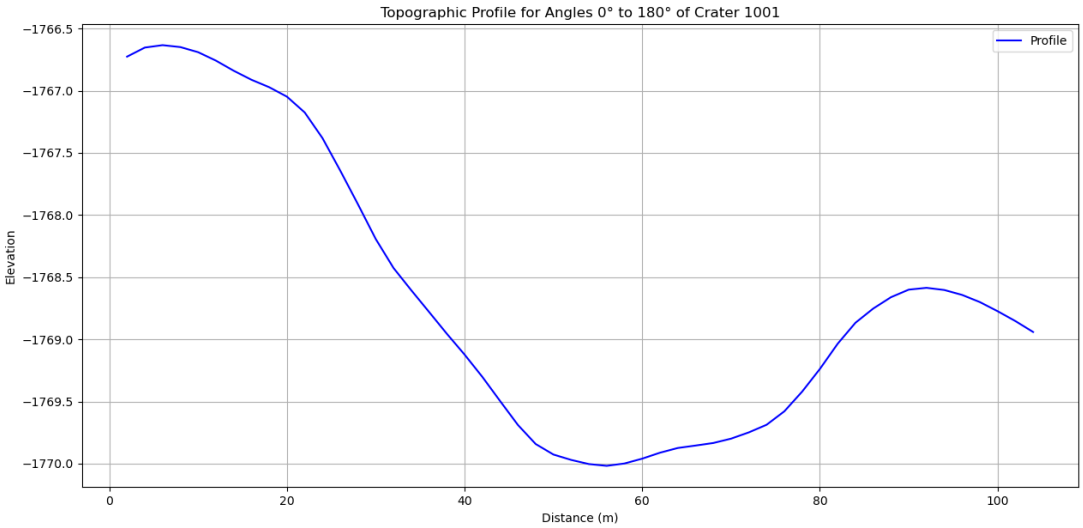
120°	3.93	0.48
130°	3.78	0.44
140°	3.16	0.44
150°	2.48	0.48
160°	2.4	0.51
170°	2.3	0.55
180°	2.35	0.57
190°	2.1	0.55
200°	2.04	0.51
210°	2.36	0.48
220°	2.62	0.42
230°	2.68	0.44
240°	2.73	0.48
250°	2.84	0.51
260°	2.93	0.54
270°	3.19	0.57
280°	3.11	0.54
290°	3.23	0.51
300°	3.46	0.48
310°	3.75	0.43
320°	3.88	0.43
330°	3.96	0.48
340°	4.22	0.51
350°	4.45	0.54

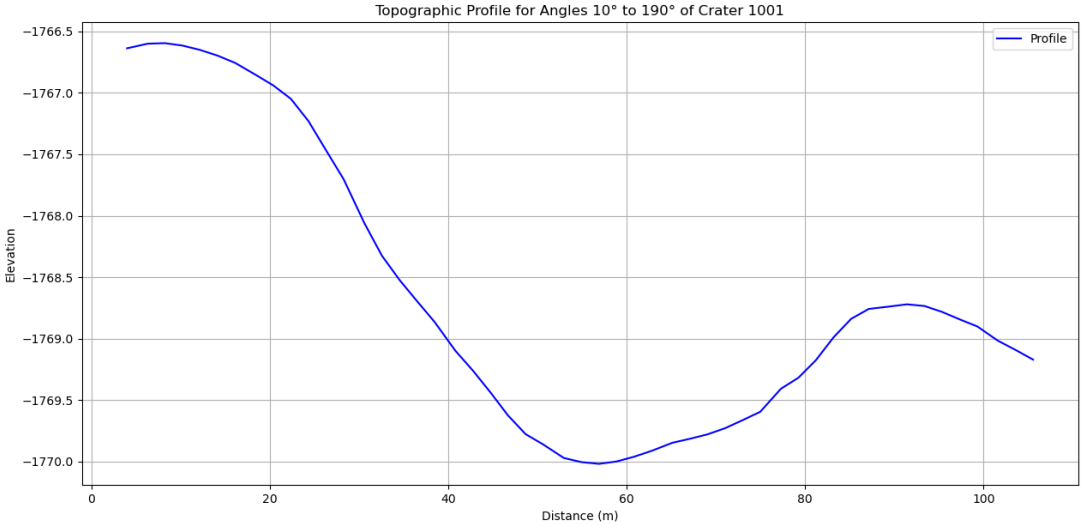
Topographic roughness index (TRI)

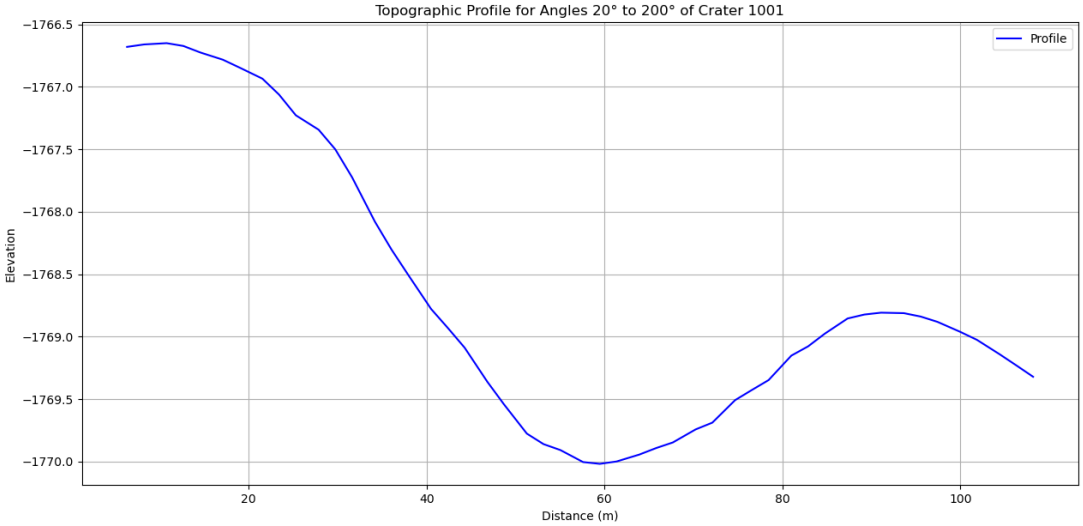
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

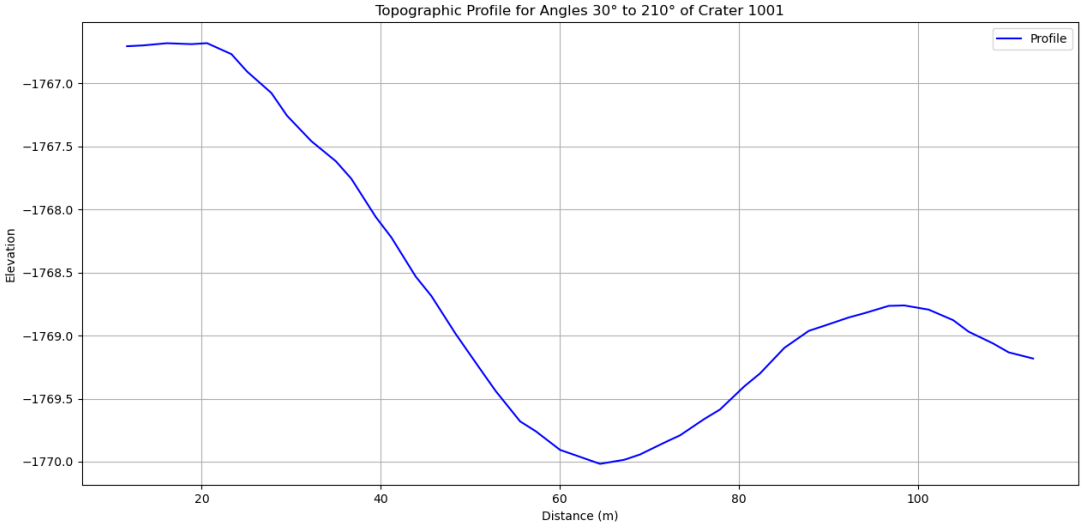


Topographic profiles




Topographic Profile for Angles 10° to 190° of Crater 1001
Profile
Elevation
Distance (m)
−1766.5
−1767.0
−1767.5
−1768.0
−1768.5
−1769.0
−1769.5
−1770.0
0
20
40
60
80
100


Topographic Profile for Angles 20° to 200° of Crater 1001
Profile
Elevation
Distance (m)
−1766.5
−1767.0
−1767.5
−1768.0
−1768.5
−1769.0
−1769.5
−1770.0
20
40
60
80
100


Topographic Profile for Angles 30° to 210° of Crater 1001
Profile
Elevation
−1767.0
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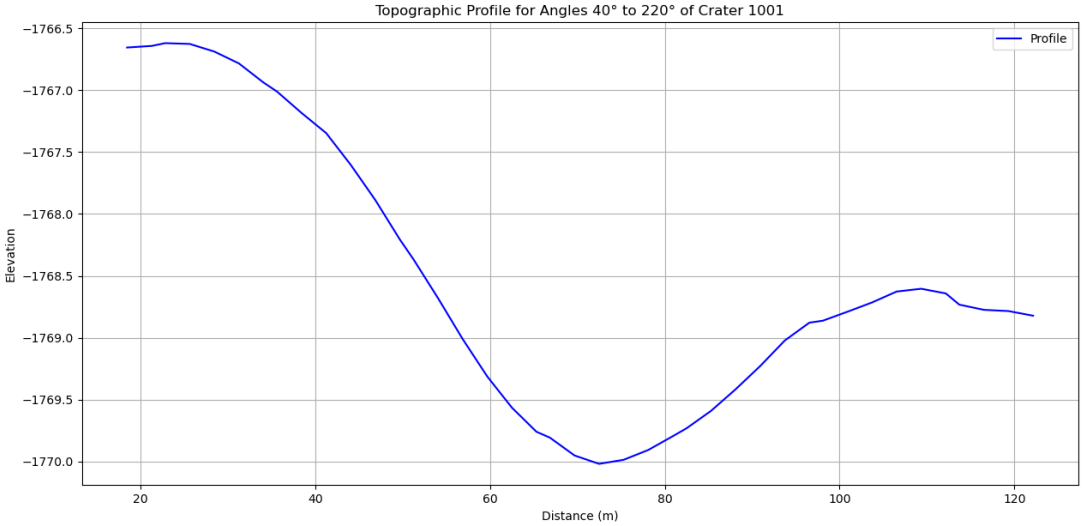
−1768.0
−1768.5
−1769.0
−1769.5
−1770.0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 40° to 220° of Crater 1001
Profile
Elevation
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−1767.5
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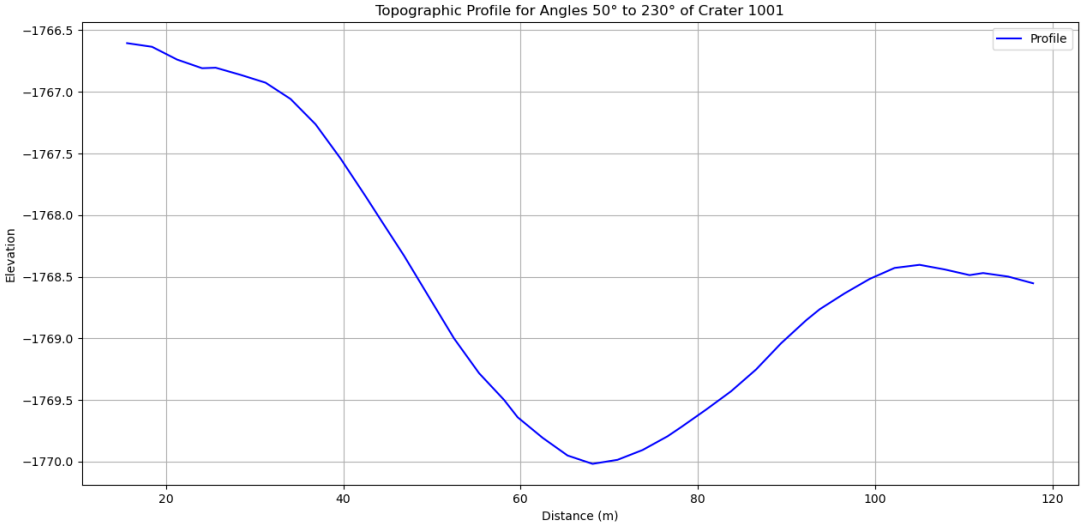
−1769.0
−1769.5
−1770.0
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 50° to 230° of Crater 1001
Profile
Elevation
Distance (m)
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−1767.5
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−1770.0
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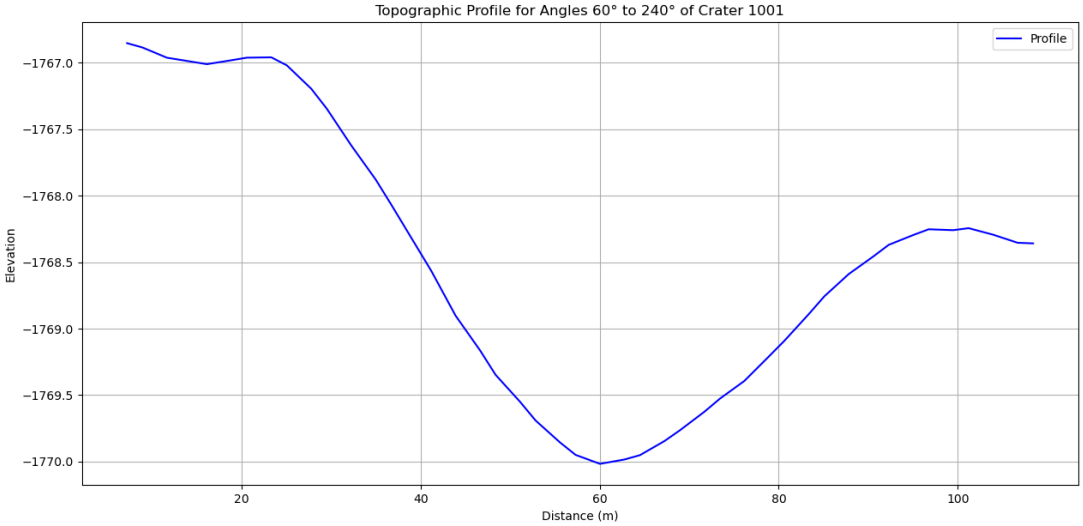
60
80
100
120


Topographic Profile for Angles 60° to 240° of Crater 1001
Profile
Elevation
Distance (m)
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−1767.5
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−1768.5
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−1769.5
−1770.0
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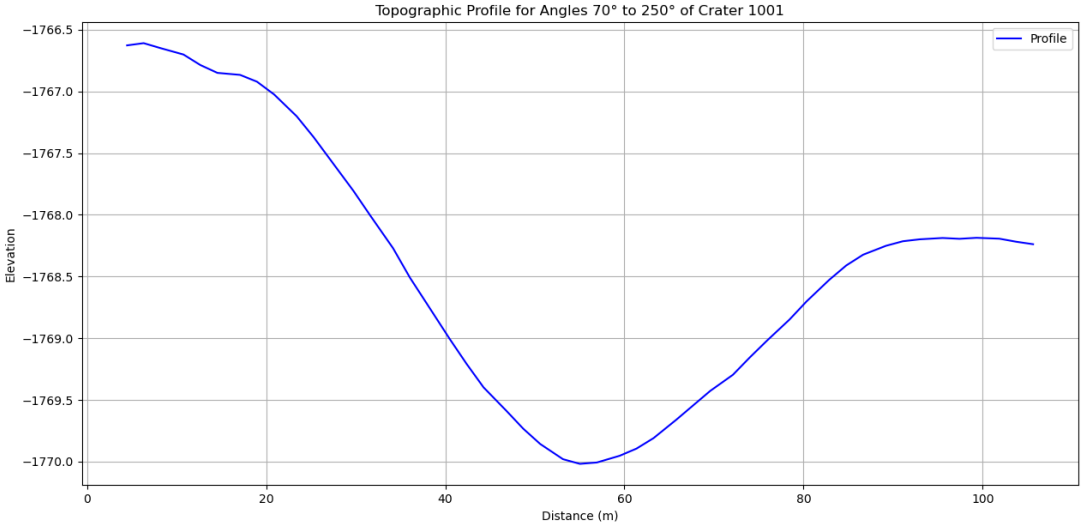
40
60
80
100


Topographic Profile for Angles 70° to 250° of Crater 1001
Profile
Elevation
Distance (m)
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−1767.0
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−1769.5
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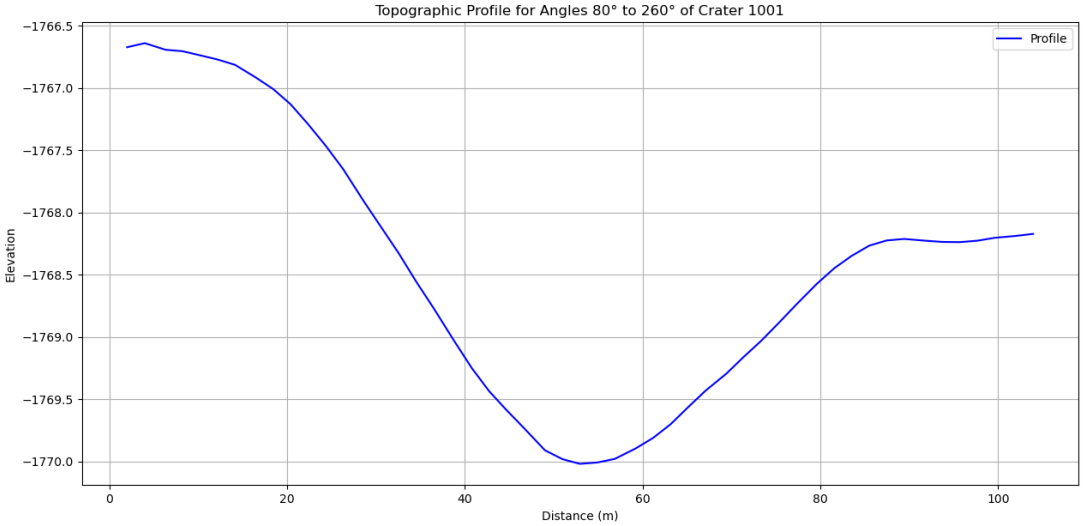
60
80
100


Topographic Profile for Angles 80° to 260° of Crater 1001
Profile
Elevation
Distance (m)
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−1767.0
−1767.5
−1768.0
−1768.5
−1769.0
−1769.5
−1770.0
0
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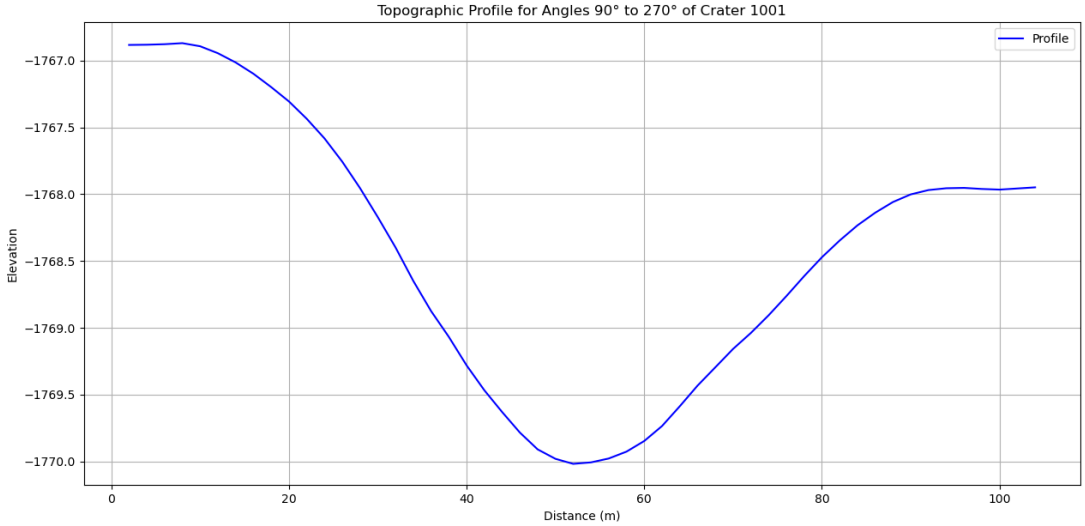
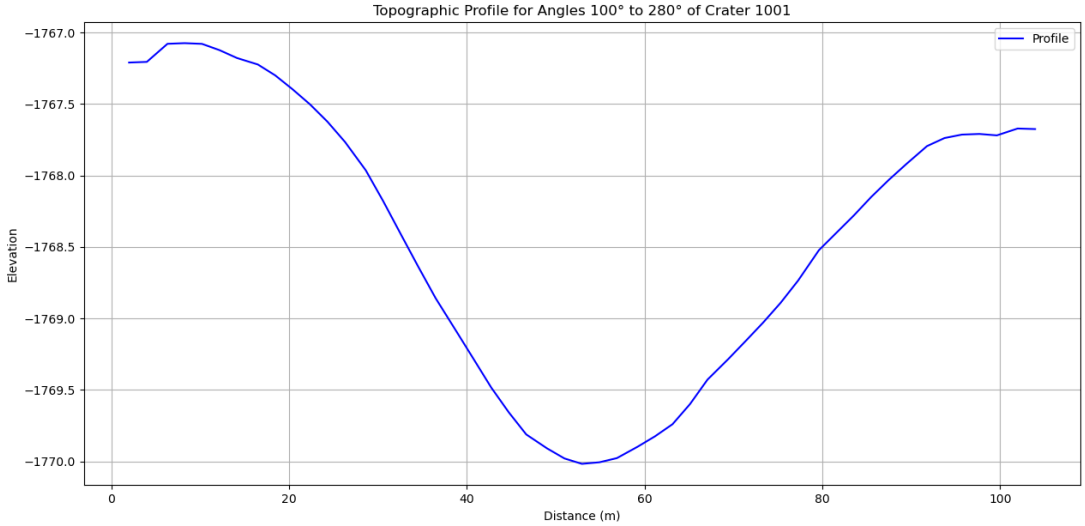
80
100


Topographic Profile for Angles 90° to 270° of Crater 1001
Profile
Elevation
−1767.0
−1767.5
−1768.0
−1768.5
−1769.0
−1769.5
−1770.0
0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 100° to 280° of Crater 1001
Profile
Elevation
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−1767.5
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−1768.5
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−1769.5
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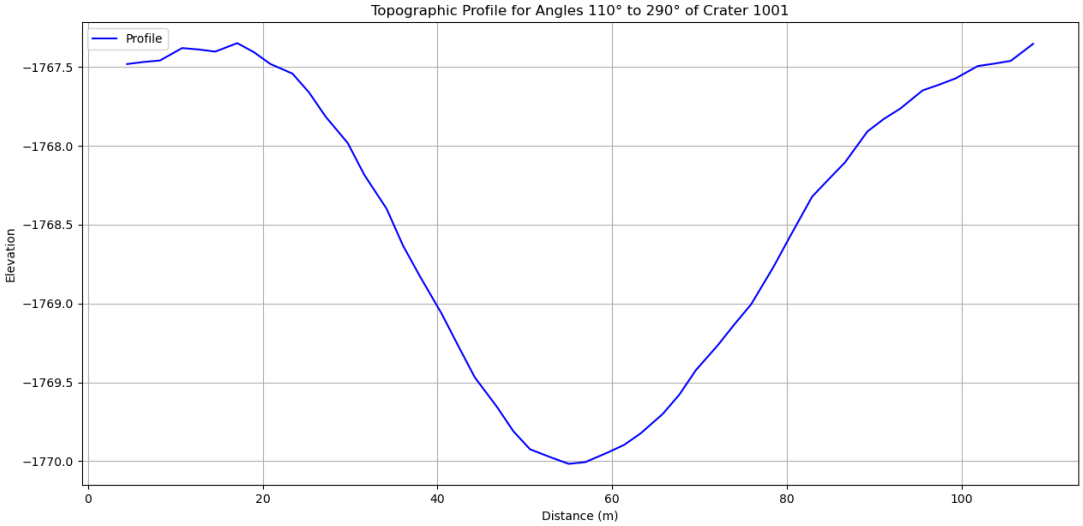
0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 110° to 290° of Crater 1001
Profile
Elevation
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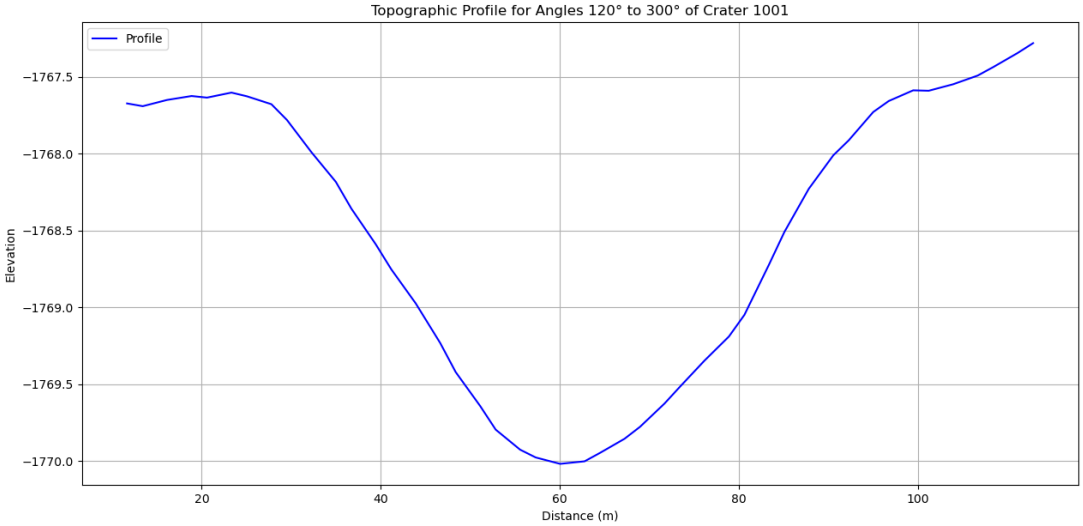
−1769.0
−1769.5
−1770.0
0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 120° to 300° of Crater 1001
Profile
Elevation
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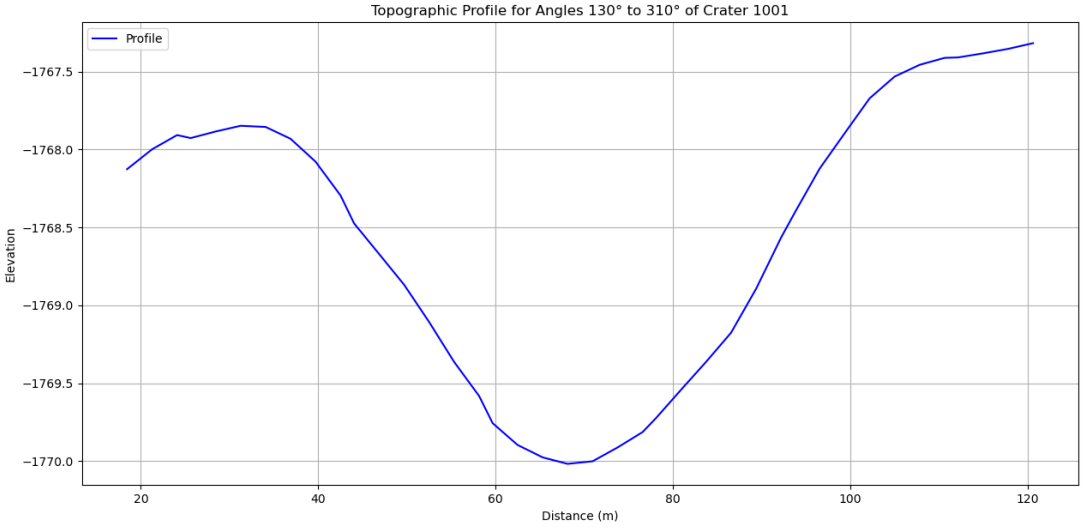
−1769.0
−1769.5
−1770.0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 1001
Profile
Elevation
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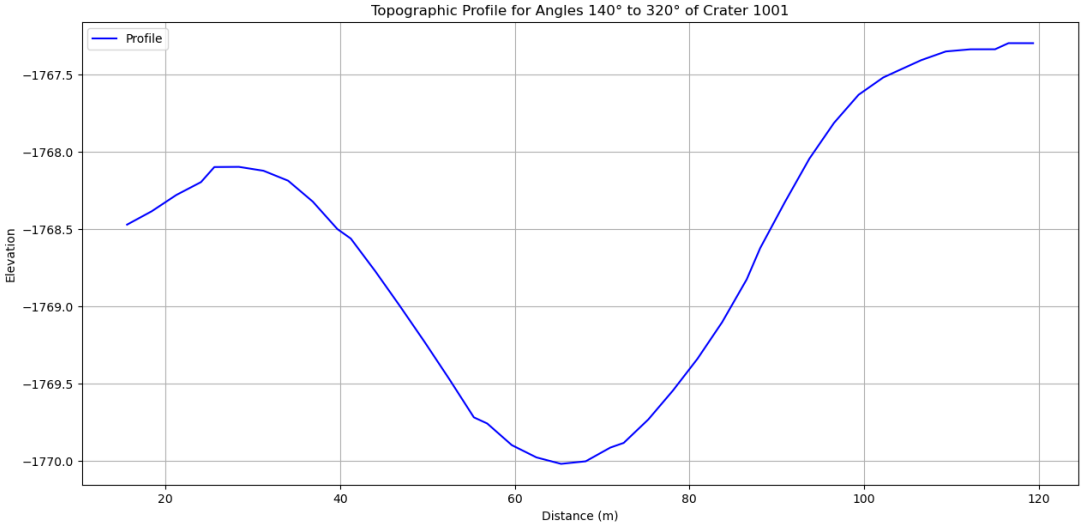
−1769.0
−1769.5
−1770.0
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 1001
Profile
Elevation
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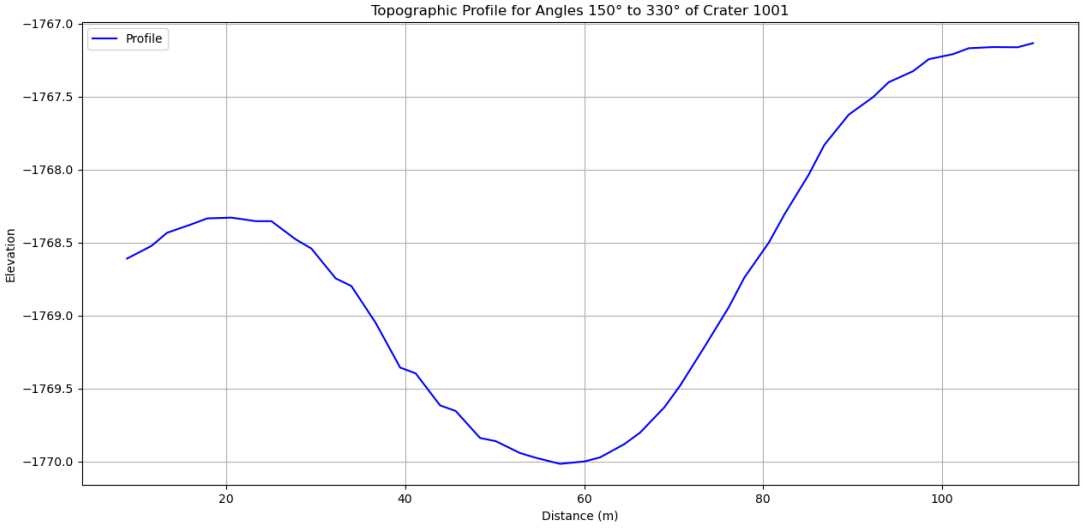
−1769.0
−1769.5
−1770.0
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 1001
Profile
Elevation
Distance (m)
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−1767.5
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−1768.5
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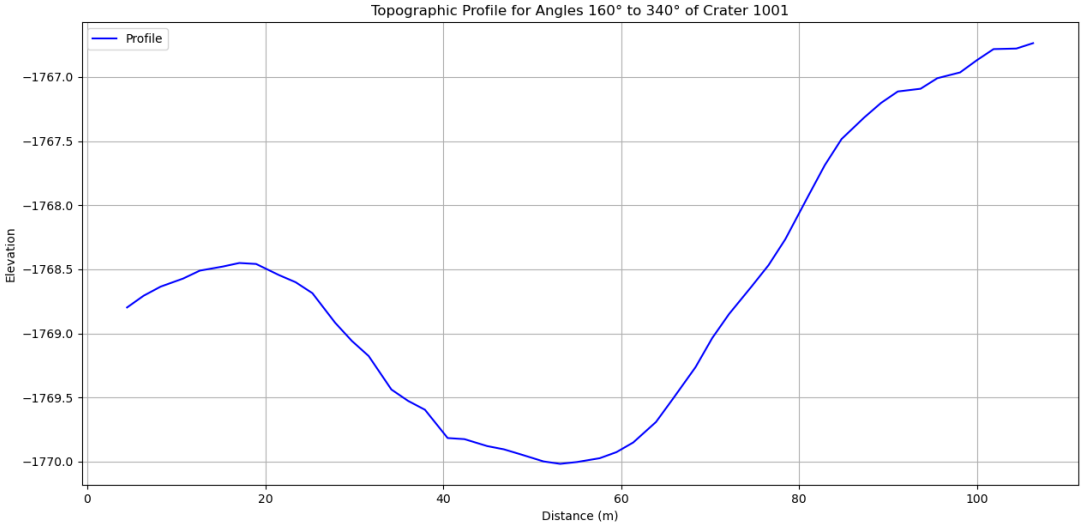
Topographic Profile for Angles 160° to 340° of Crater 1001
Profile
Elevation
Distance (m)
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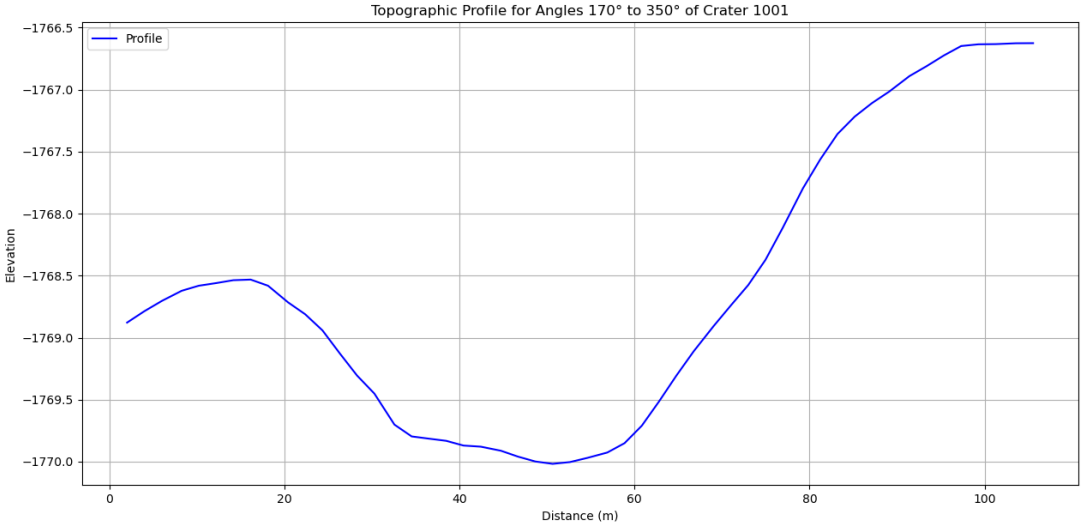
Topographic Profile for Angles 170° to 350° of Crater 1001
Profile
Elevation
Distance (m)
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−1767.0
−1767.5
−1768.0
−1768.5
−1769.0
−1769.5
−1770.0
0
20
40
60
80
100