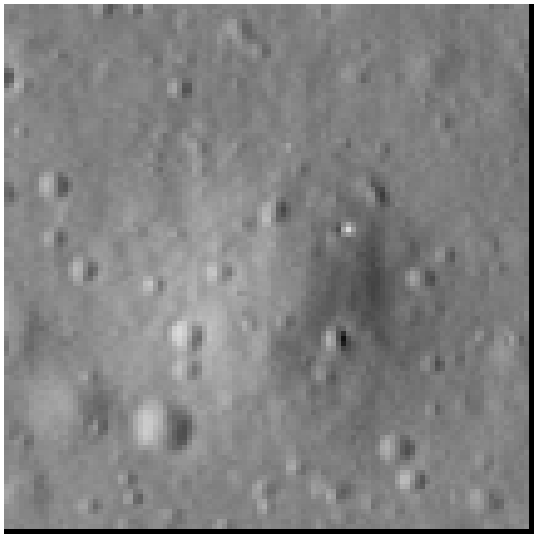
Crater report 1271 of RG2

General information



ID : 1271

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 53m ± 3.0m

Mean depht : 2.1m ± 0.3m

d/D ratio : 0.04 ± 0.006

Circularity index : 0.91

Slope : Between 2.9° et 7.95°

Mean value of TRI on the rim crest : 0.10

Geometric center coordinates : (3657463.7102908315, 226773.10131388382)

Coordinates of the crater's lowest point : (3657467.000001101, 226765.0000000669)

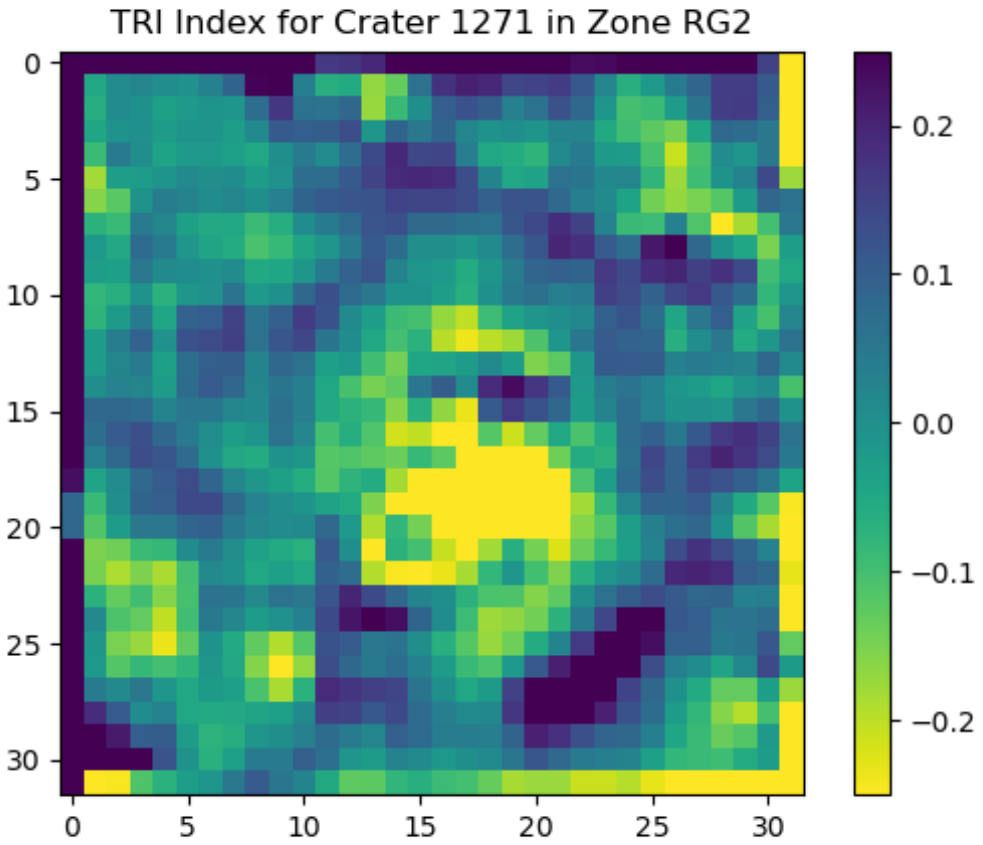
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	7.44	0.57
10°	6.98	0.55
20°	6.51	0.5
30°	7.04	0.48
40°	7.07	0.45
50°	6.04	0.45
60°	5.9	0.48
70°	6.13	0.49
80°	6.16	0.53
90°	5.4	0.57
100°	4.24	0.57
110°	3.63	0.53

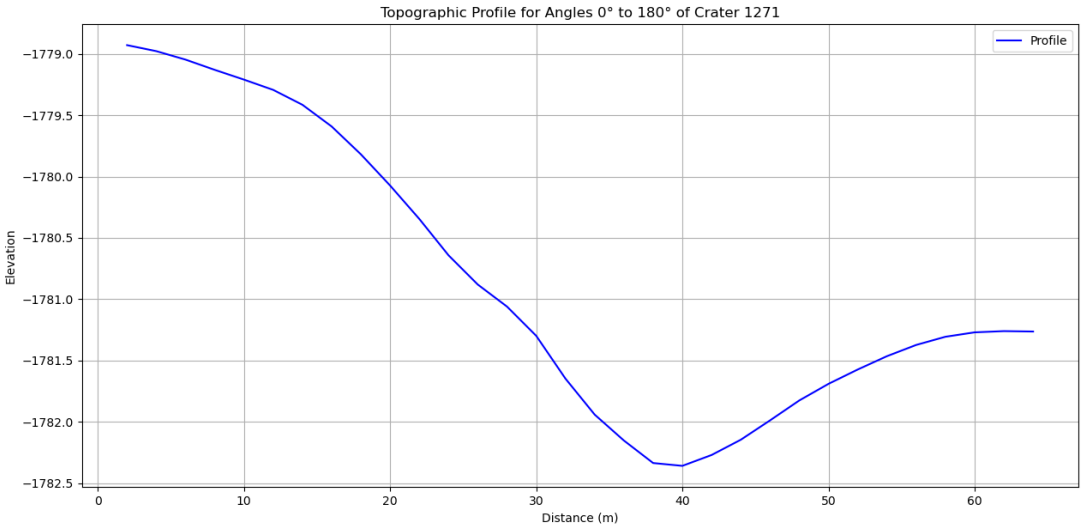
120°	3.08	0.45
130°	2.9	0.45
140°	3.03	0.45
150°	2.93	0.45
160°	3.22	0.53
170°	3.3	0.53
180°	3.9	0.57
190°	4.14	0.54
200°	4.74	0.53
210°	6.33	0.46
220°	5.7	0.45
230°	6.04	0.45
240°	5.22	0.46
250°	5.76	0.52
260°	6.29	0.55
270°	7.46	0.57
280°	7.42	0.55
290°	7.5	0.49
300°	7.62	0.48
310°	7.95	0.43
320°	7.79	0.43
330°	7.11	0.46
340°	7.38	0.5
350°	7.47	0.55

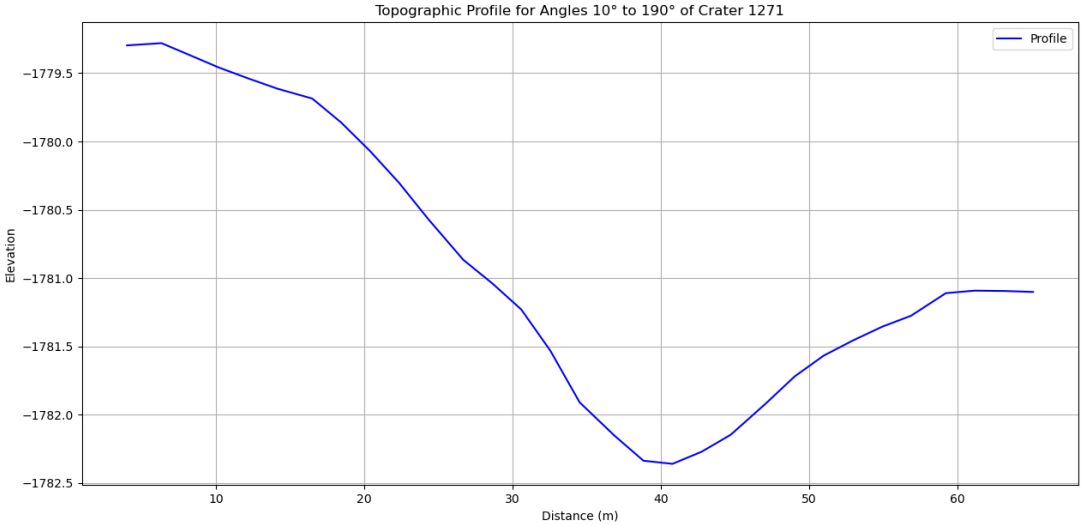
Topographic roughness index (TRI)

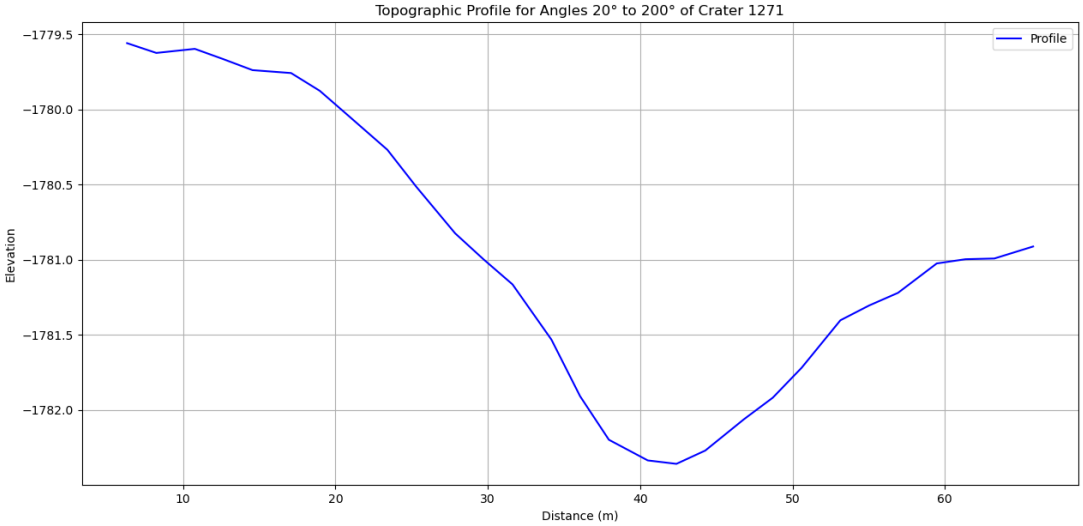
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.



Topographic profiles




Topographic Profile for Angles 10° to 190° of Crater 1271
Profile
Elevation
−1779.5
−1780.0
−1780.5
−1781.0
−1781.5
−1782.0
−1782.5
10
20
30
40
50
60
Distance (m)


Topographic Profile for Angles 20° to 200° of Crater 1271
Profile
Elevation
−1779.5
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−1781.0
−1781.5
−1782.0
10
20
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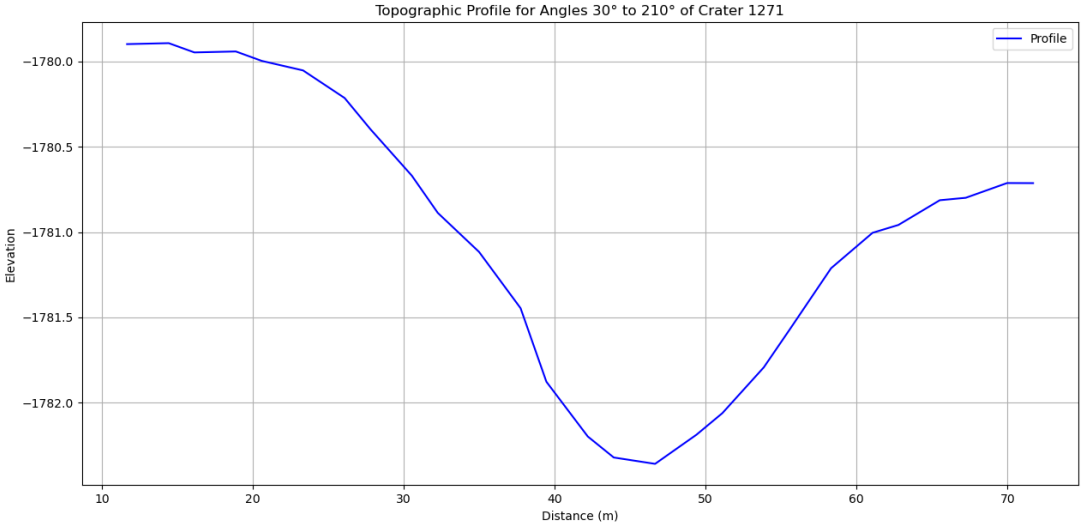
40
50
60
Distance (m)


Topographic Profile for Angles 30° to 210° of Crater 1271
Profile
−1780.0
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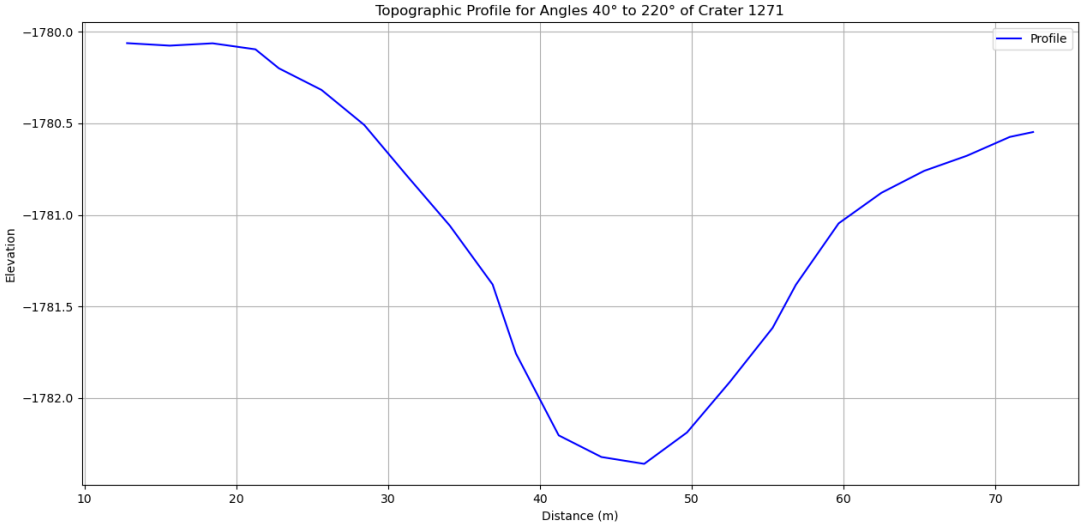
−1781.5
−1782.0
Elevation
10
20
30
40
50
60
70
Distance (m)


Topographic Profile for Angles 40° to 220° of Crater 1271
Profile
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−1781.5
−1782.0
Elevation
10
20
30
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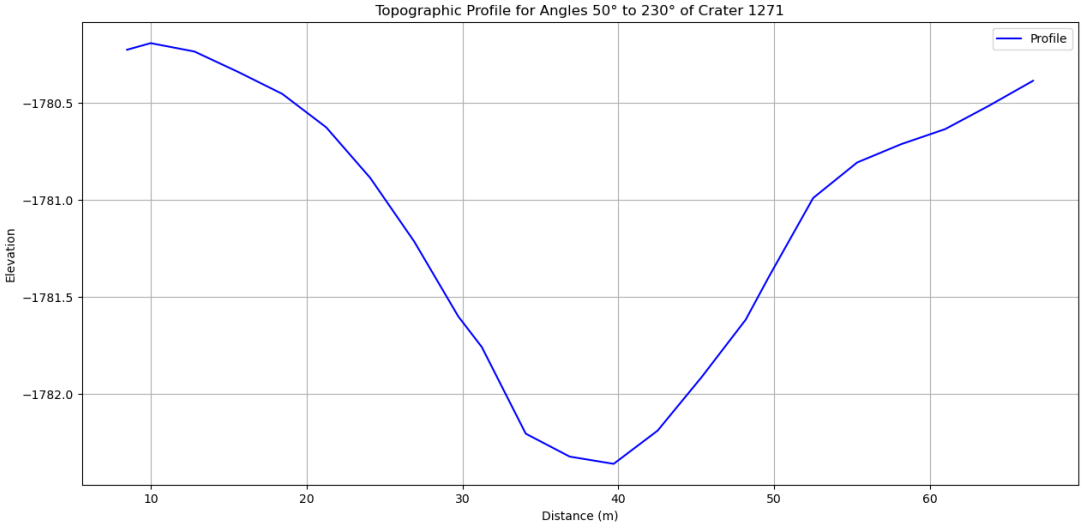
60
70
Distance (m)


Topographic Profile for Angles 50° to 230° of Crater 1271
Profile
Elevation
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−1781.5
−1782.0
10
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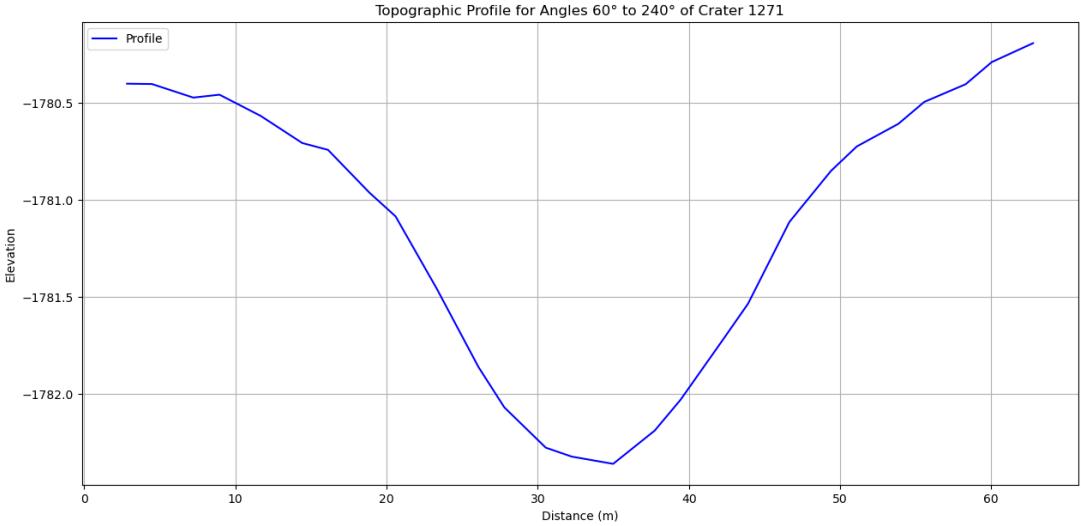
50
60
Distance (m)


Topographic Profile for Angles 60° to 240° of Crater 1271
Profile
Elevation
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−1781.5
−1782.0
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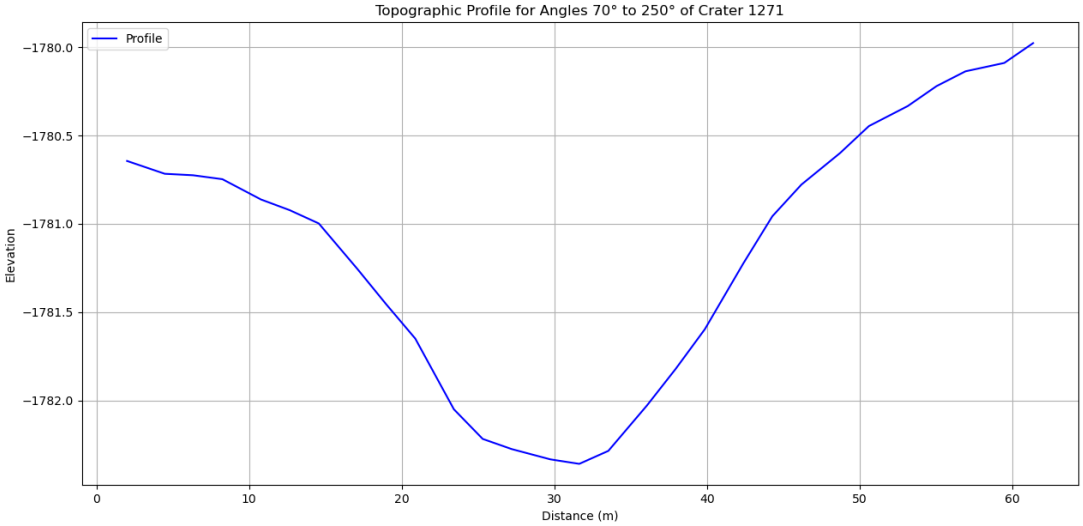
Distance (m)


Topographic Profile for Angles 70° to 250° of Crater 1271
Profile
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Elevation
0
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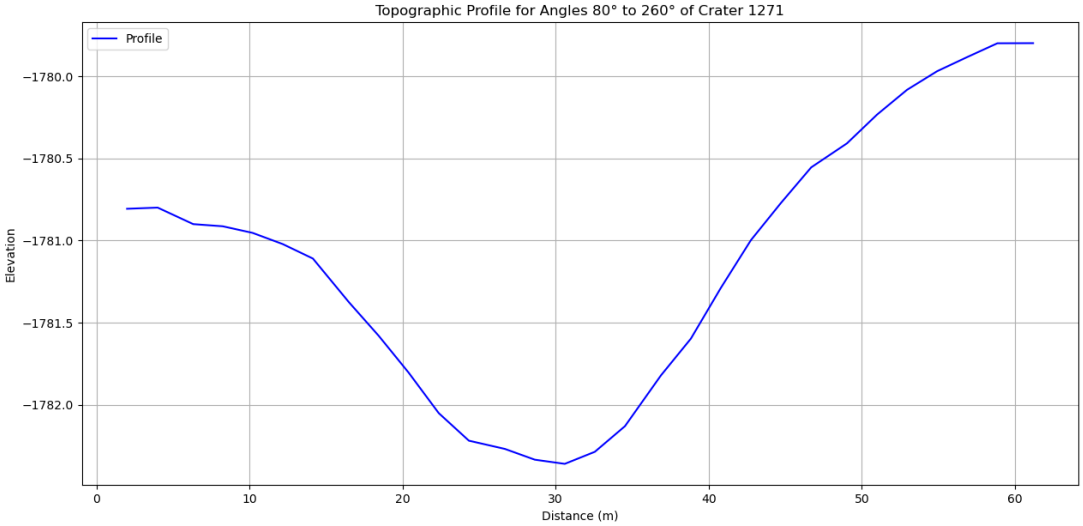
Distance (m)


Topographic Profile for Angles 80° to 260° of Crater 1271
Profile
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−1781.5
−1782.0
Elevation
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50
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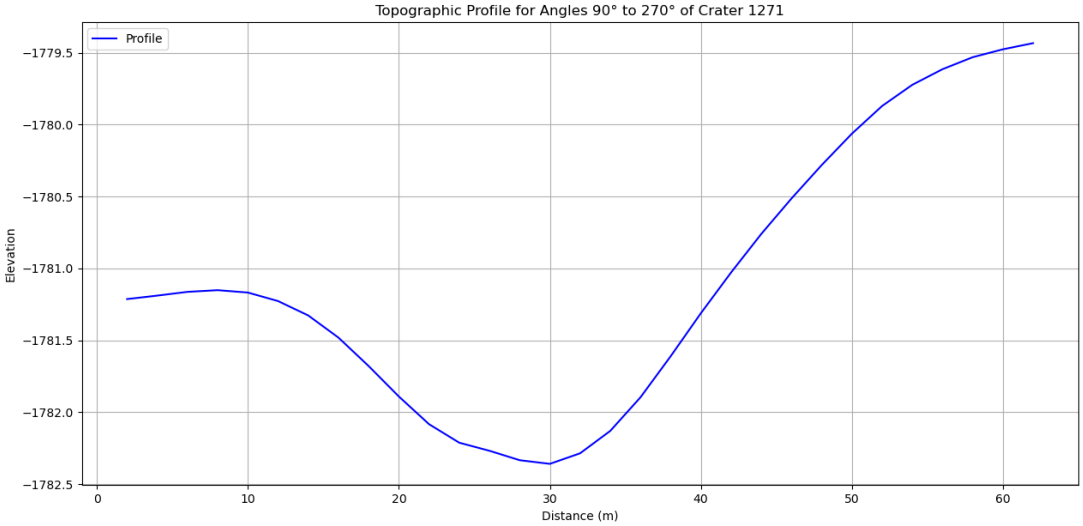
Distance (m)


Topographic Profile for Angles 90° to 270° of Crater 1271
Profile
Elevation
Distance (m)
−1779.5
−1780.0
−1780.5
−1781.0
−1781.5
−1782.0
−1782.5
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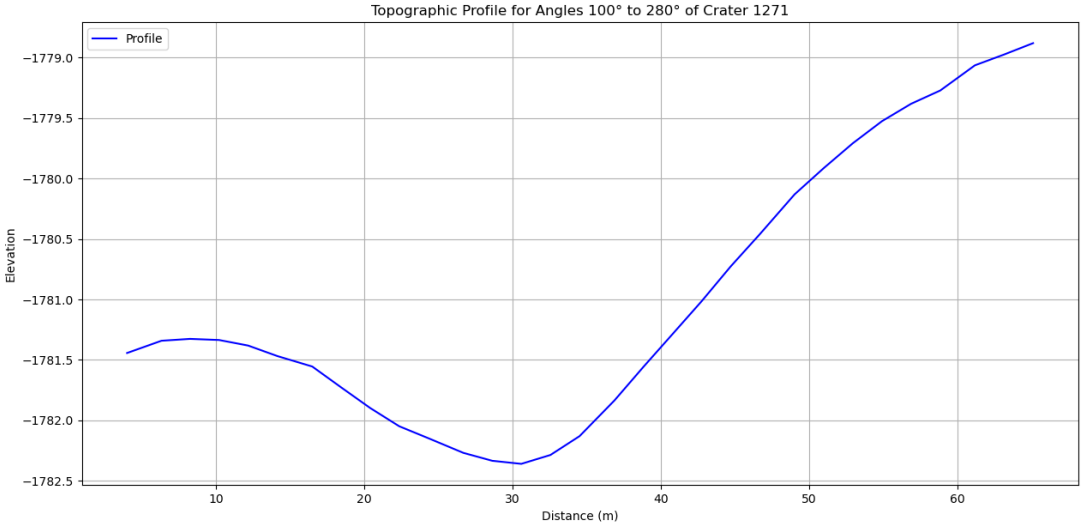
Topographic Profile for Angles 100° to 280° of Crater 1271
Profile
Elevation
Distance (m)
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−1779.5
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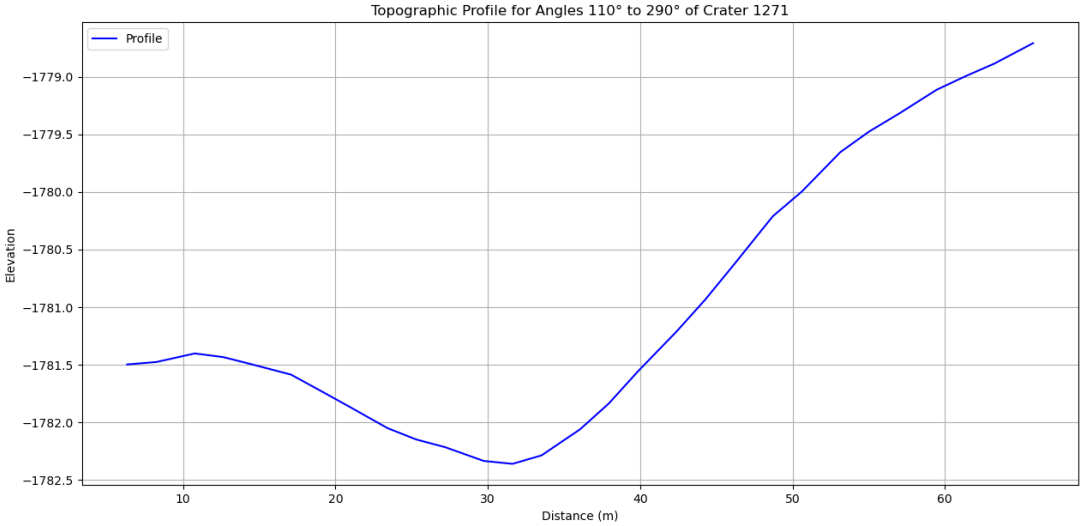
Topographic Profile for Angles 110° to 290° of Crater 1271
Profile
Elevation
Distance (m)
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−1779.5
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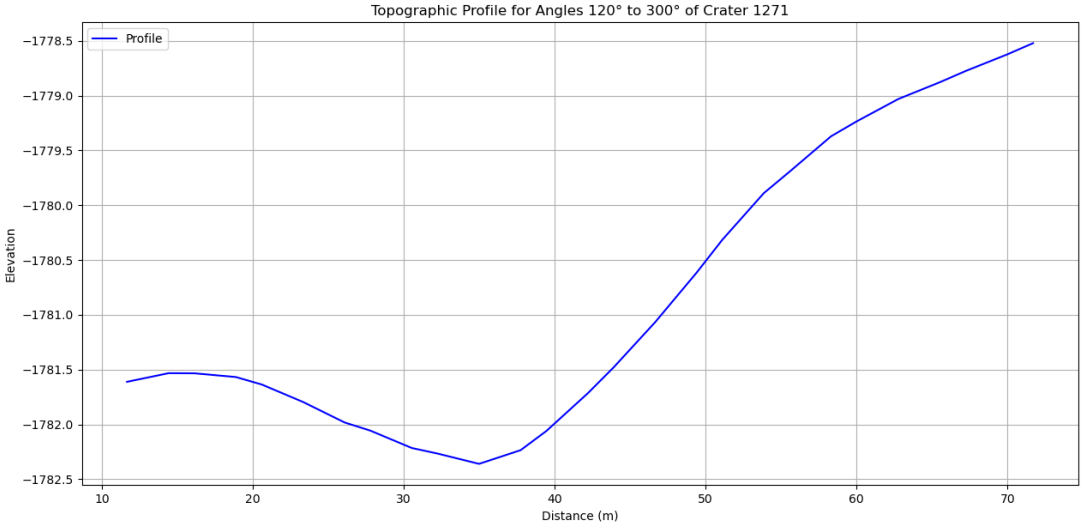
Topographic Profile for Angles 120° to 300° of Crater 1271
Profile
Elevation
Distance (m)
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−1779.0
−1779.5
−1780.0
−1780.5
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−1782.0
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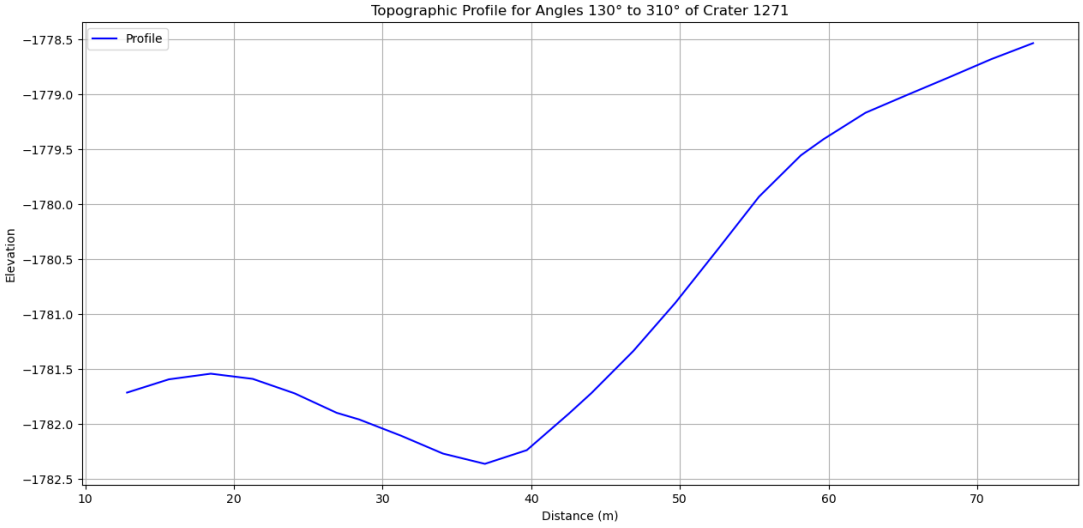
Topographic Profile for Angles 130° to 310° of Crater 1271
Profile
Elevation
Distance (m)
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−1779.0
−1779.5
−1780.0
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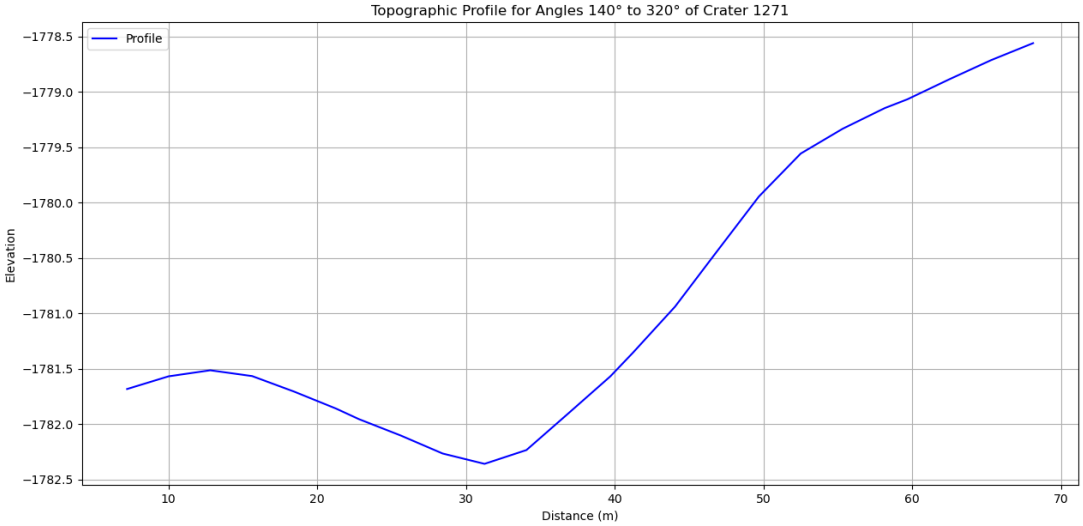
Topographic Profile for Angles 140° to 320° of Crater 1271
Profile
Elevation
Distance (m)
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−1779.5
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−1780.5
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−1782.5
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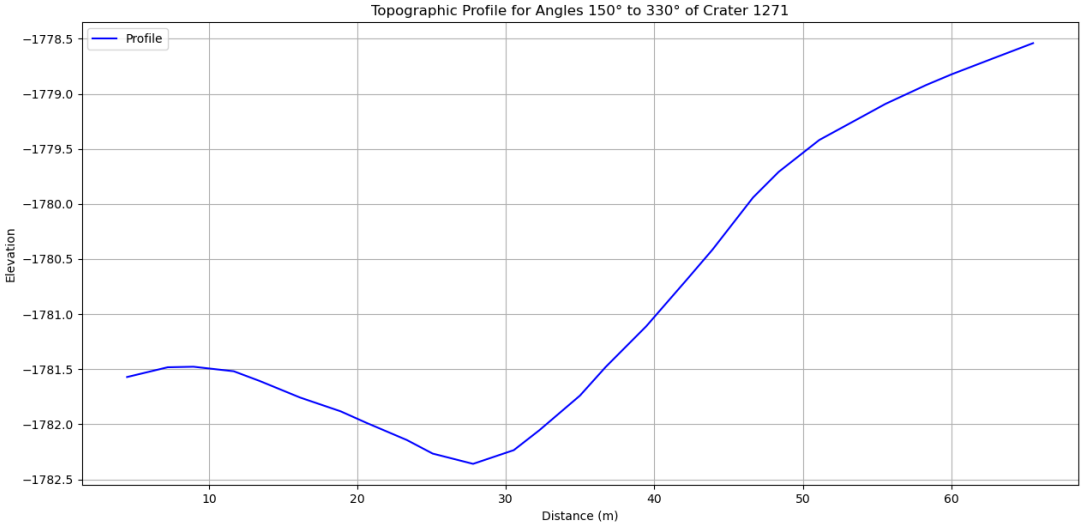
Topographic Profile for Angles 150° to 330° of Crater 1271
Profile
Elevation
Distance (m)
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−1779.0
−1779.5
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−1781.0
−1781.5
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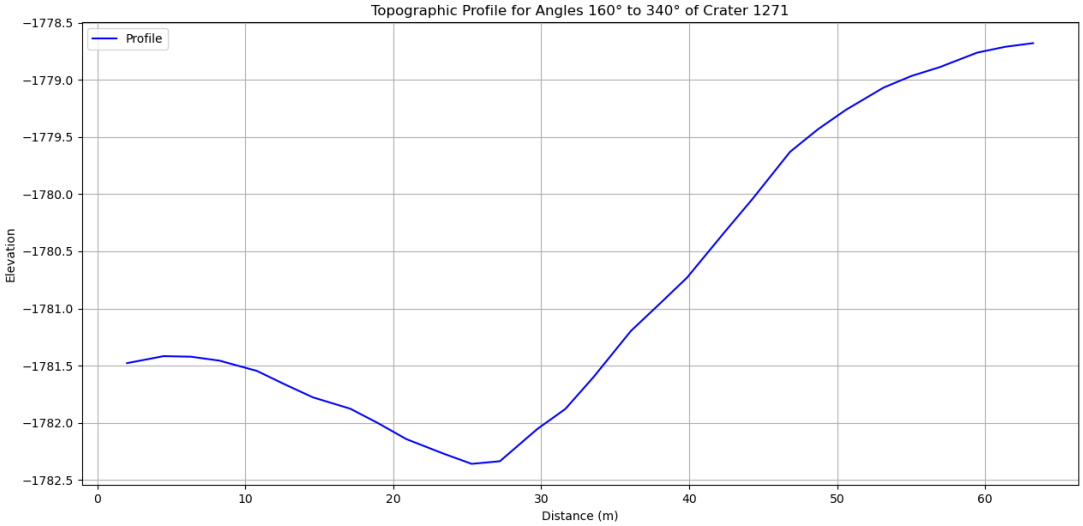
Topographic Profile for Angles 160° to 340° of Crater 1271
Profile
Elevation
Distance (m)
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−1779.0
−1779.5
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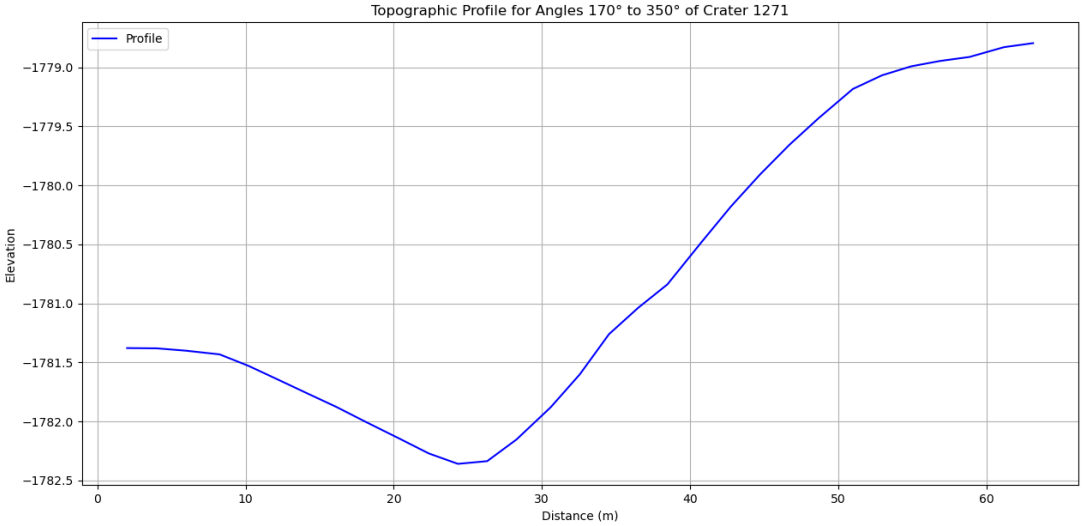
Topographic Profile for Angles 170° to 350° of Crater 1271
Profile
Elevation
−1779.0
−1779.5
−1780.0
−1780.5
−1781.0
−1781.5
−1782.0
−1782.5
0
10
20
30
40
50
60
Distance (m)