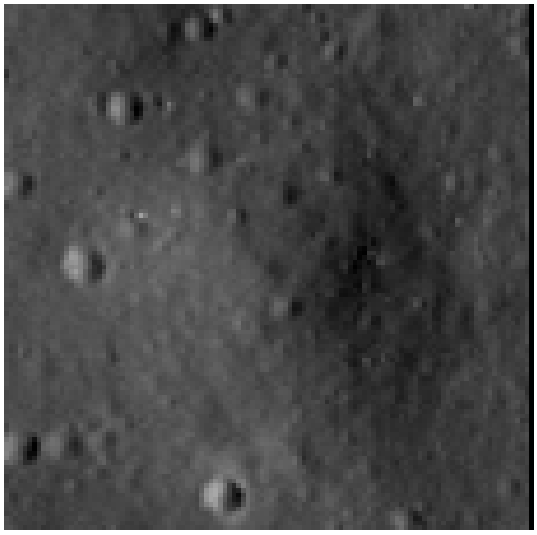
Crater report 175 of RG2

General information



ID : 175

Study area : RG2

Swirl : off-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 56m ± 5.0m

Mean depht : 2.3m ± 0.3m

d/D ratio : 0.041 ± 0.006

Circularity index : 0.9

Mean slope : 4.78°

Mean value of TRI on the rim crest : 0.06

Geometric center coordinates : (3657858.0333592035, 236361.21223839352)

Coordinates of the crater's lowest point : (3657855.000001101, 236363.0000000698)

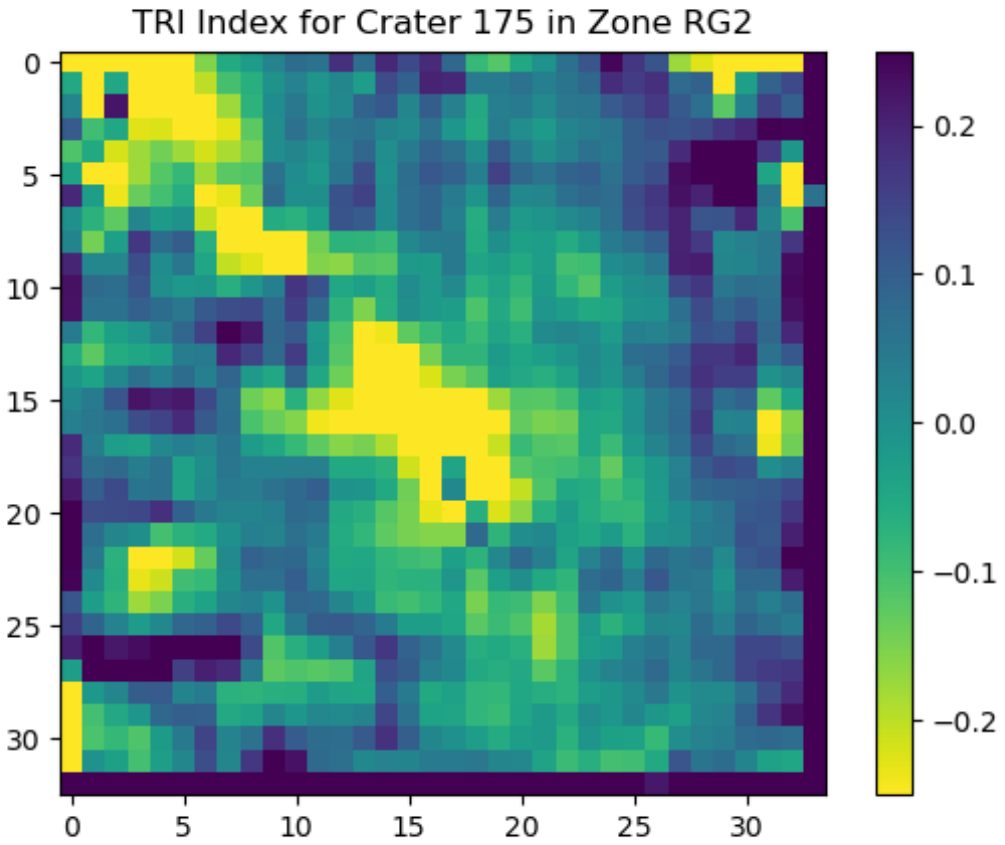
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	4.36	0.57
10°	4.51	0.54
20°	4.75	0.51
30°	5.15	0.48
40°	5.56	0.44
50°	6.09	0.44
60°	6.09	0.48
70°	6.25	0.51
80°	6.49	0.54
90°	6.74	0.57
100°	6.29	0.54
110°	5.95	0.51

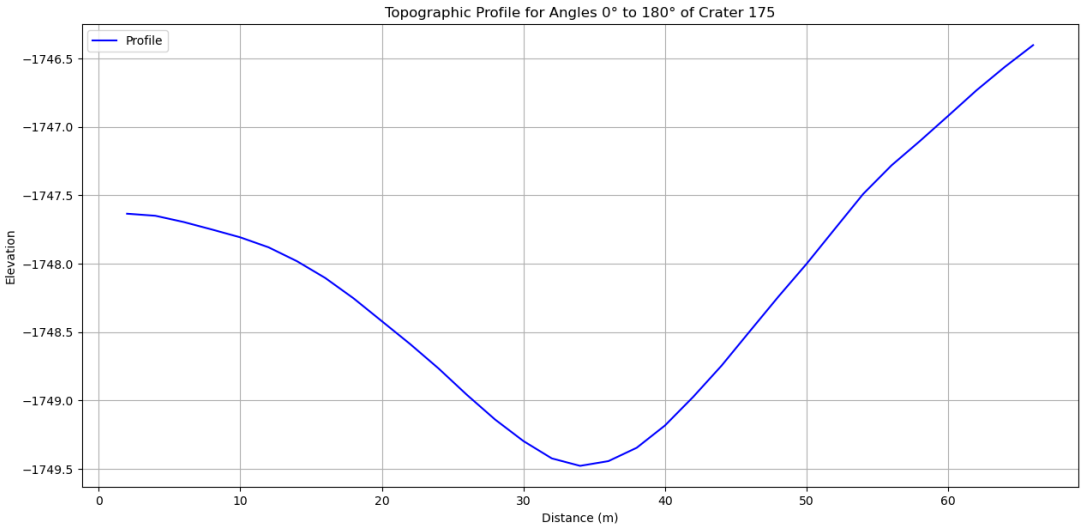
120°	5.78	0.48
130°	5.72	0.44
140°	5.22	0.44
150°	4.86	0.48
160°	4.77	0.51
170°	5.13	0.54
180°	5.69	0.57
190°	5.53	0.54
200°	5.2	0.51
210°	4.99	0.48
220°	5.18	0.44
230°	4.67	0.44
240°	4.73	0.47
250°	4.09	0.52
260°	4.04	0.54
270°	3.94	0.57
280°	3.34	0.54
290°	3.09	0.5
300°	3.1	0.49
310°	2.83	0.44
320°	2.71	0.44
330°	2.76	0.46
340°	3.07	0.51
350°	3.53	0.54

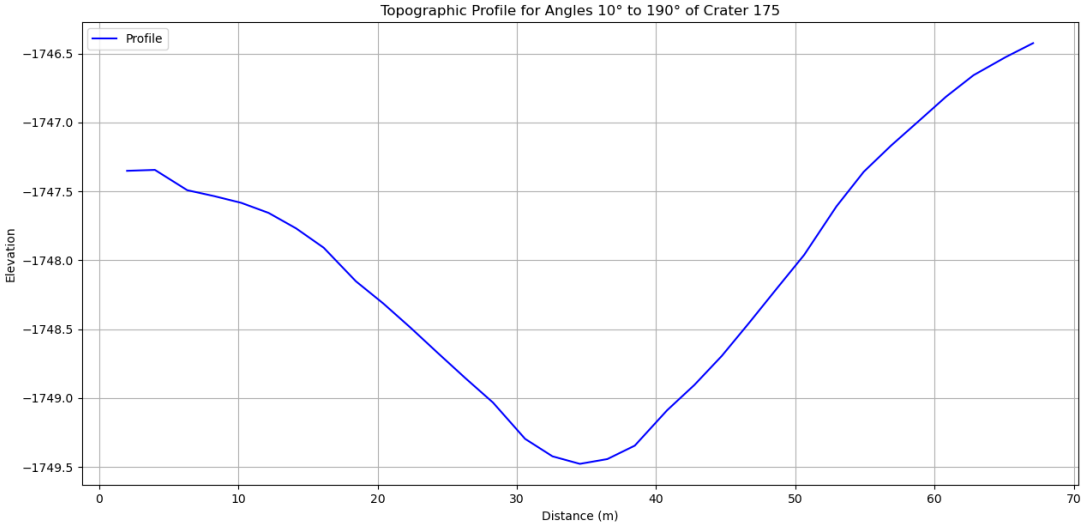
Topographic roughness index (TRI)

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 175
Profile
Elevation
Distance (m)
−1746.5
−1747.0
−1747.5
−1748.0
−1748.5
−1749.0
−1749.5
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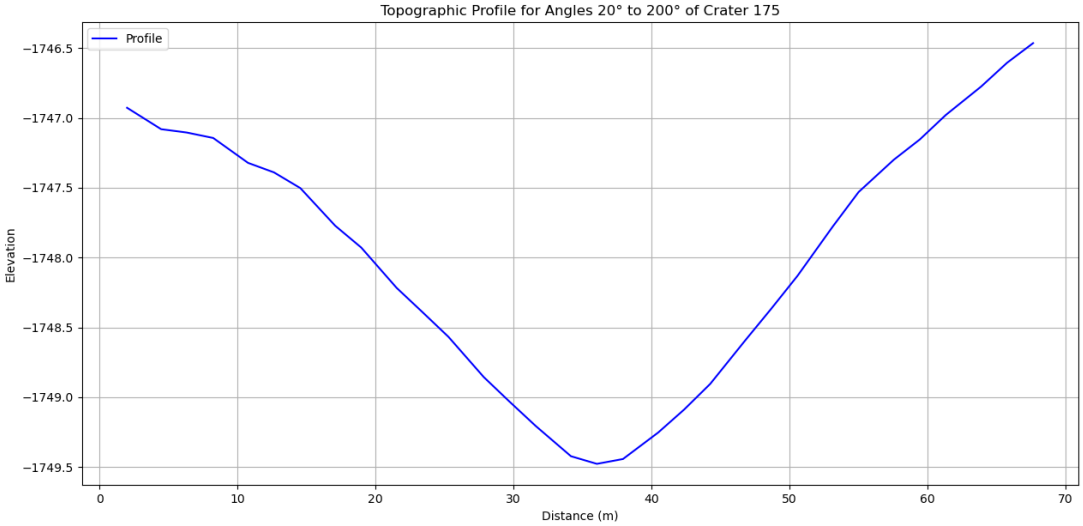
Topographic Profile for Angles 20° to 200° of Crater 175
Profile
Elevation
Distance (m)
−1746.5
−1747.0
−1747.5
−1748.0
−1748.5
−1749.0
−1749.5
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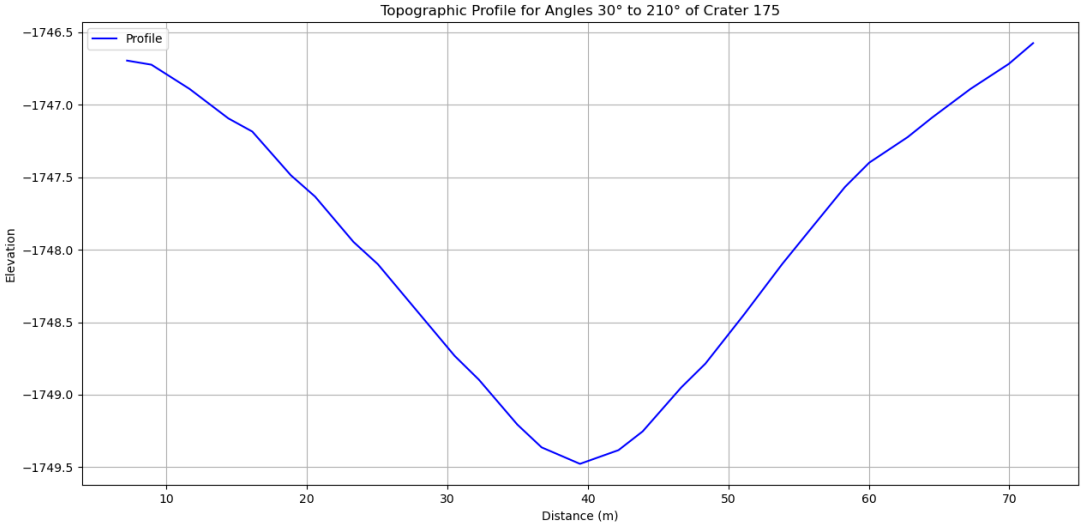
Topographic Profile for Angles 30° to 210° of Crater 175
Profile
Elevation
Distance (m)
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−1747.0
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−1748.0
−1748.5
−1749.0
−1749.5
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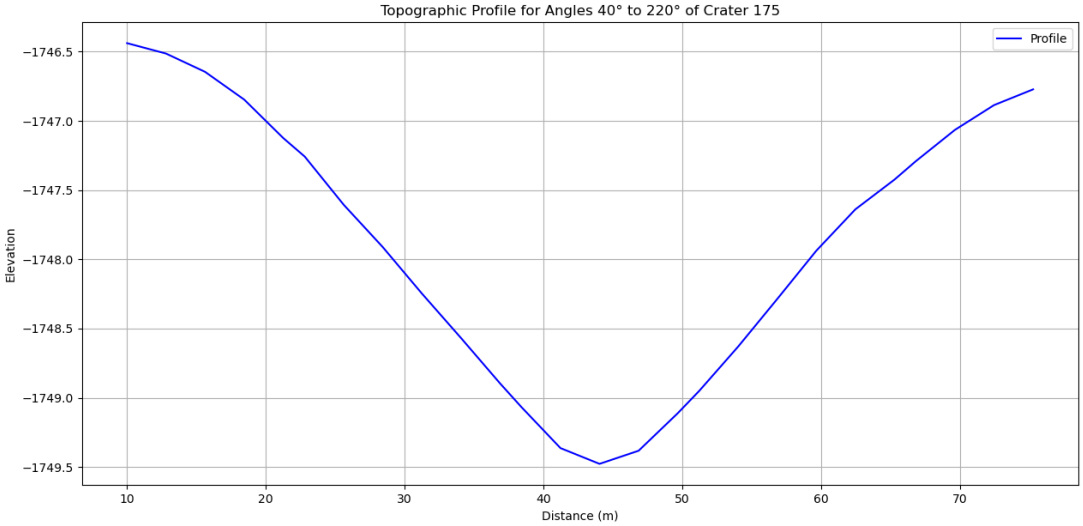
Topographic Profile for Angles 40° to 220° of Crater 175
Profile
Elevation
Distance (m)
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−1749.5
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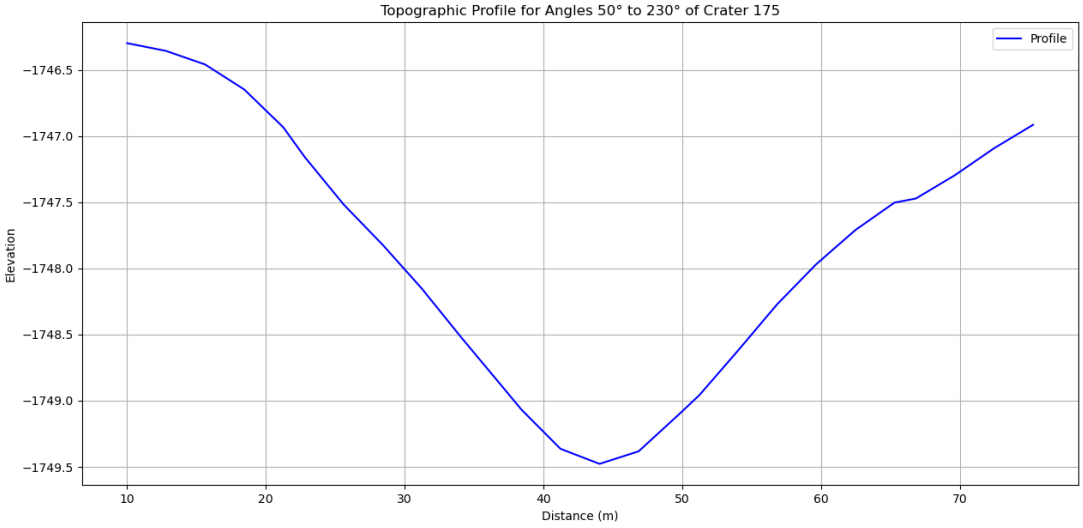
Topographic Profile for Angles 50° to 230° of Crater 175
Profile
Elevation
−1746.5
−1747.0
−1747.5
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−1748.5
−1749.0
−1749.5
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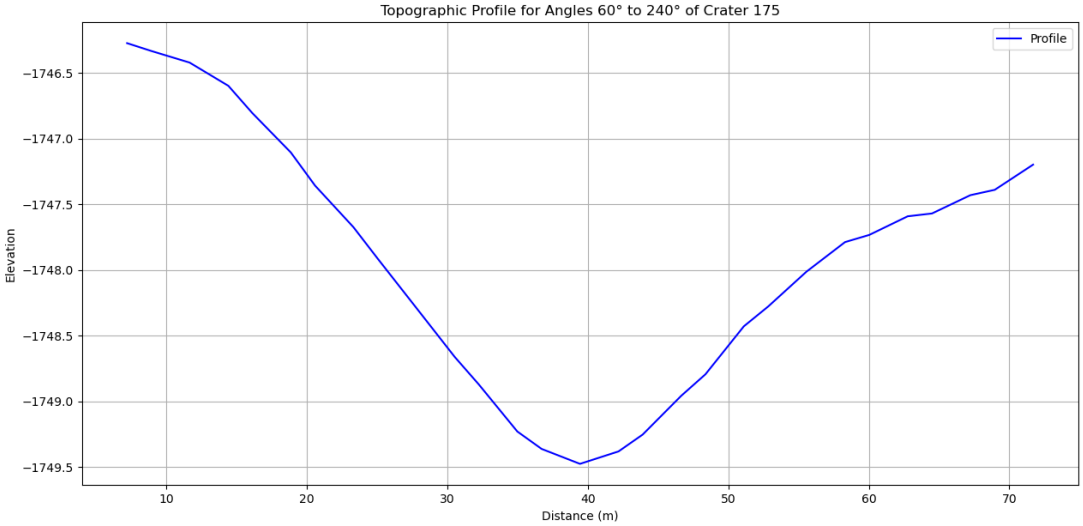
Distance (m)


Topographic Profile for Angles 60° to 240° of Crater 175
Profile
Elevation
−1746.5
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−1747.5
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−1749.0
−1749.5
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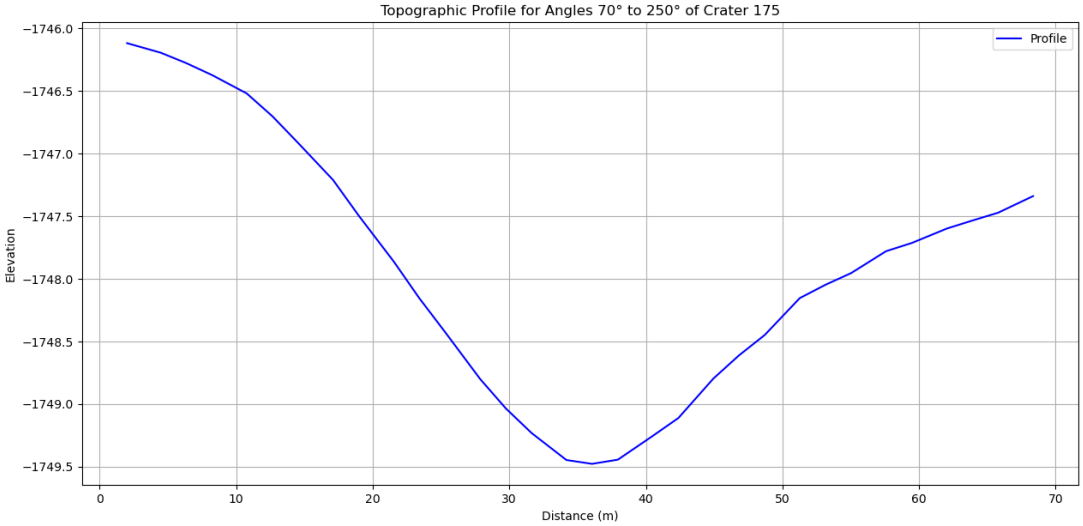
Distance (m)


Topographic Profile for Angles 70° to 250° of Crater 175
Profile
Elevation
Distance (m)
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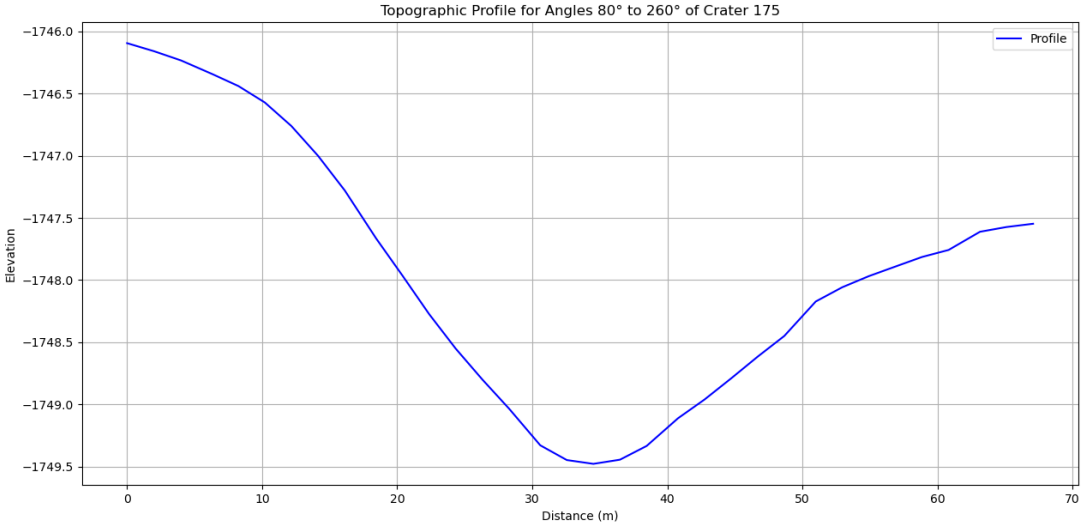
Topographic Profile for Angles 80° to 260° of Crater 175
Profile
Elevation
Distance (m)
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−1746.5
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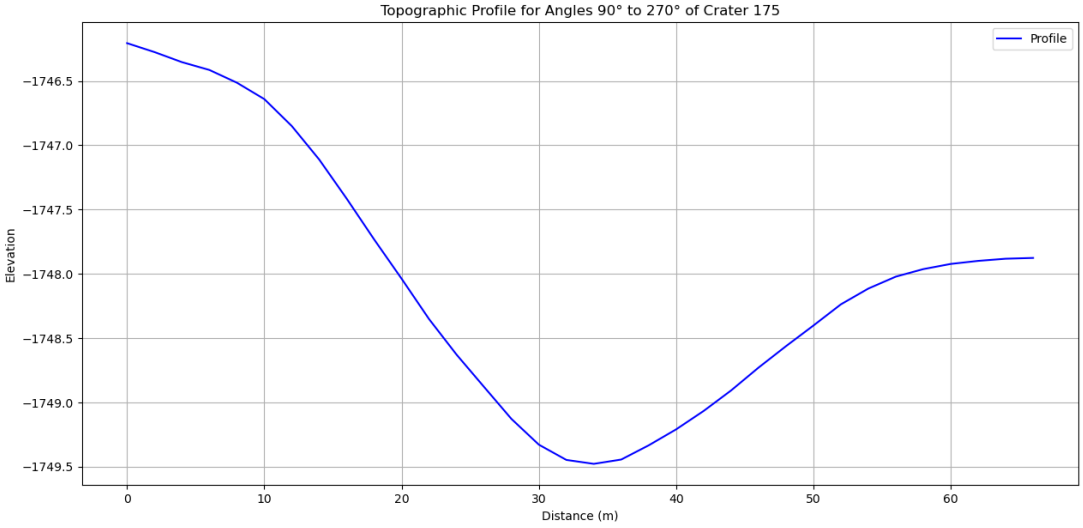
Topographic Profile for Angles 90° to 270° of Crater 175
Profile
Elevation
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−1747.0
−1747.5
−1748.0
−1748.5
−1749.0
−1749.5
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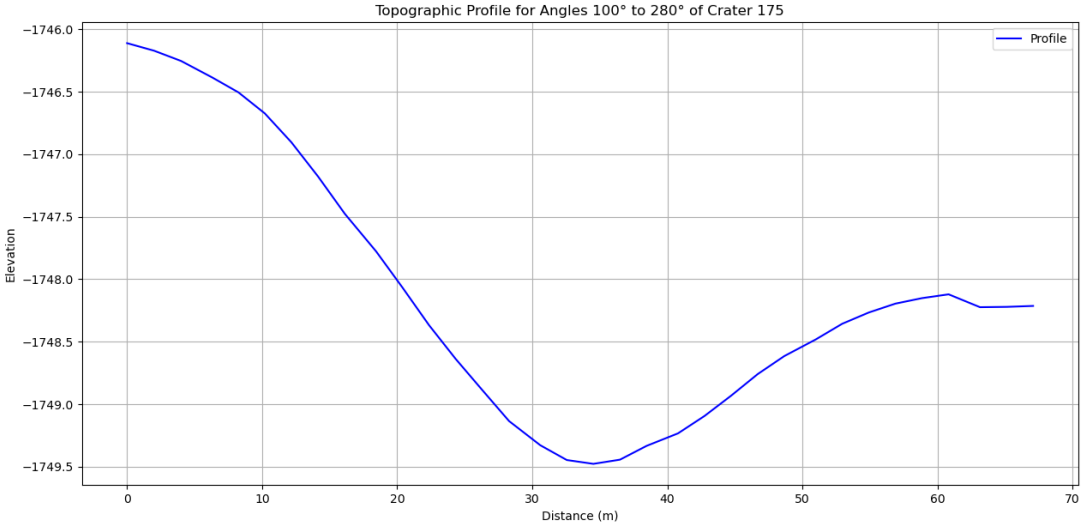
Distance (m)


Topographic Profile for Angles 100° to 280° of Crater 175
Profile
Elevation
−1746.0
−1746.5
−1747.0
−1747.5
−1748.0
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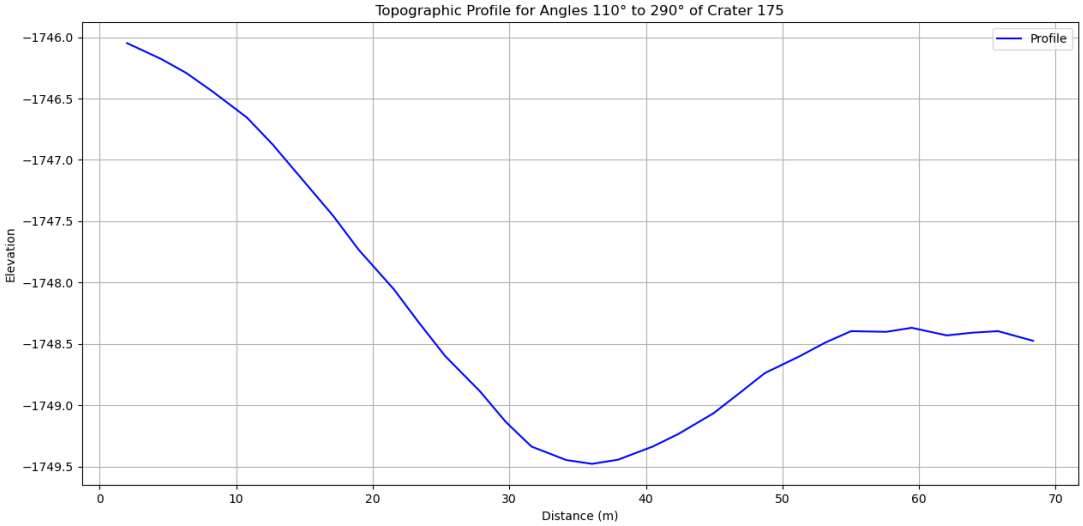
Distance (m)


Topographic Profile for Angles 110° to 290° of Crater 175
Profile
Elevation
Distance (m)
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−1746.5
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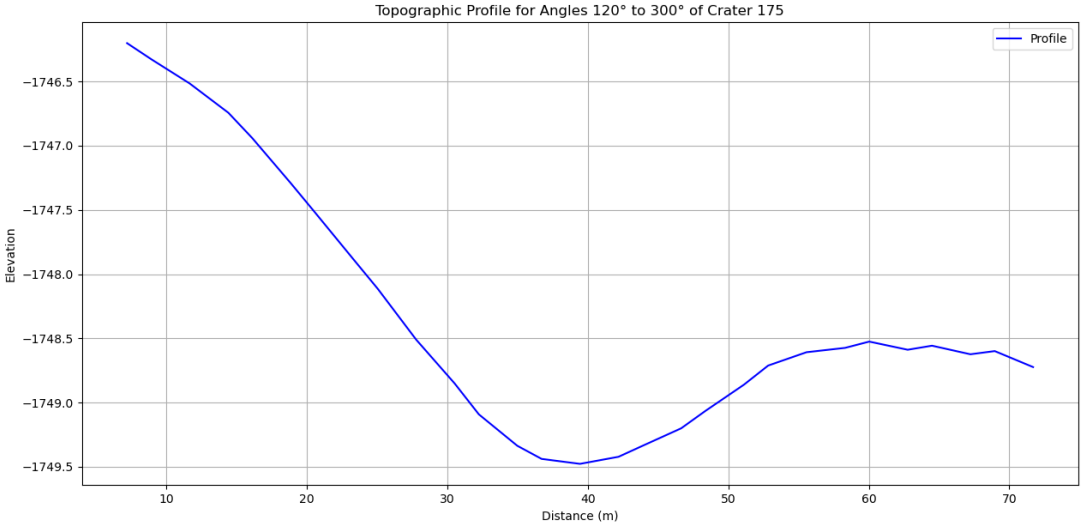
Topographic Profile for Angles 120° to 300° of Crater 175
Profile
Elevation
Distance (m)
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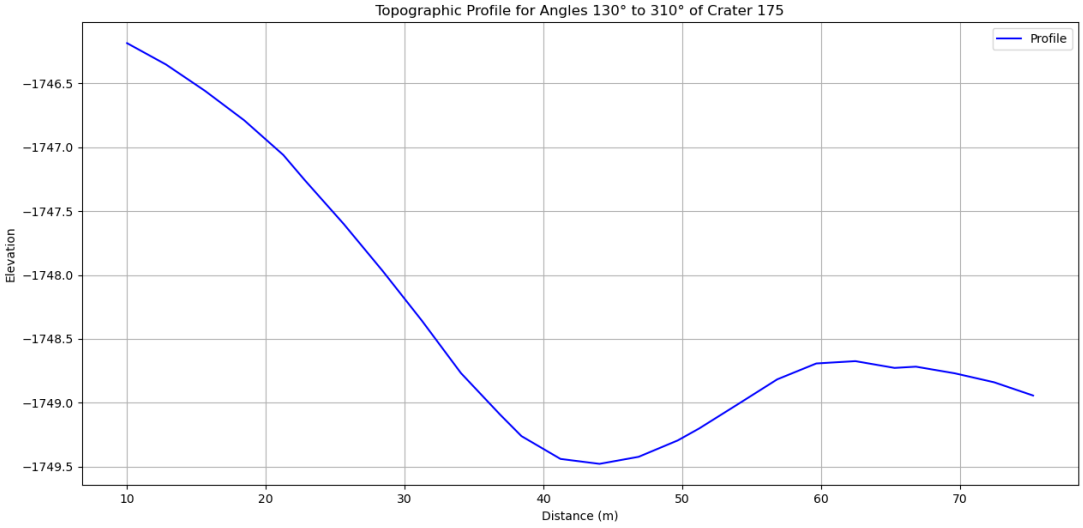
Topographic Profile for Angles 130° to 310° of Crater 175
Profile
Elevation
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−1749.5
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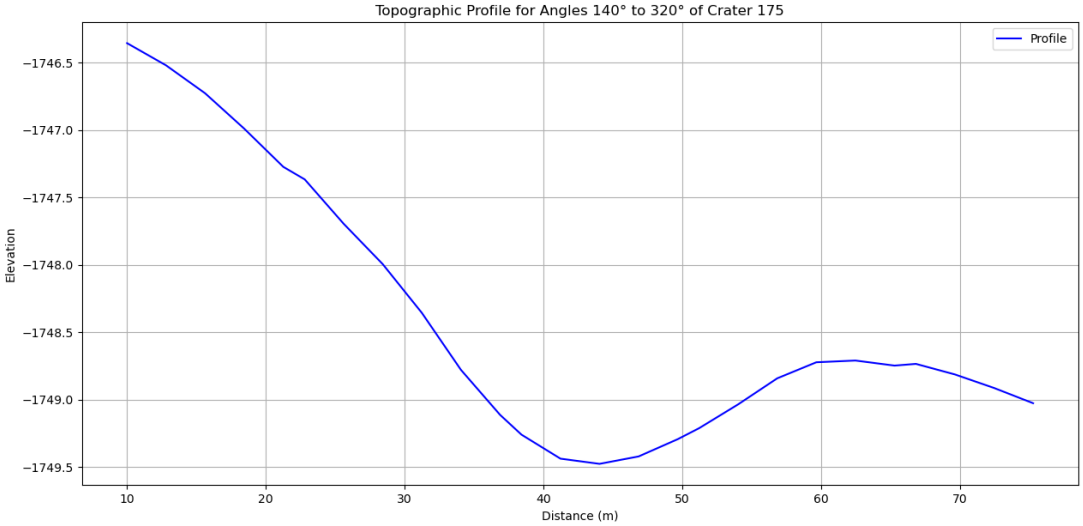
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 175
Profile
Elevation
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−1749.5
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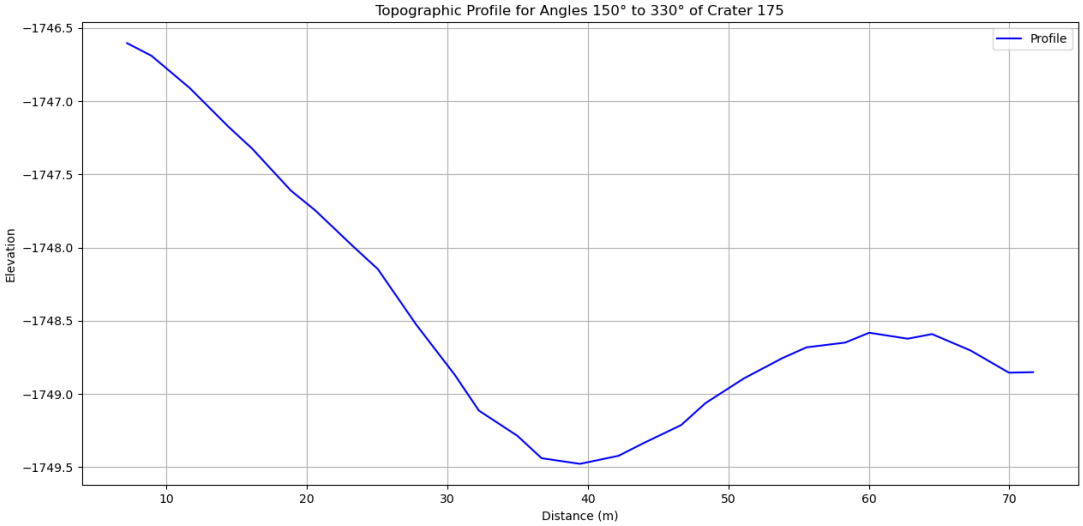
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 175
Profile
Elevation
Distance (m)
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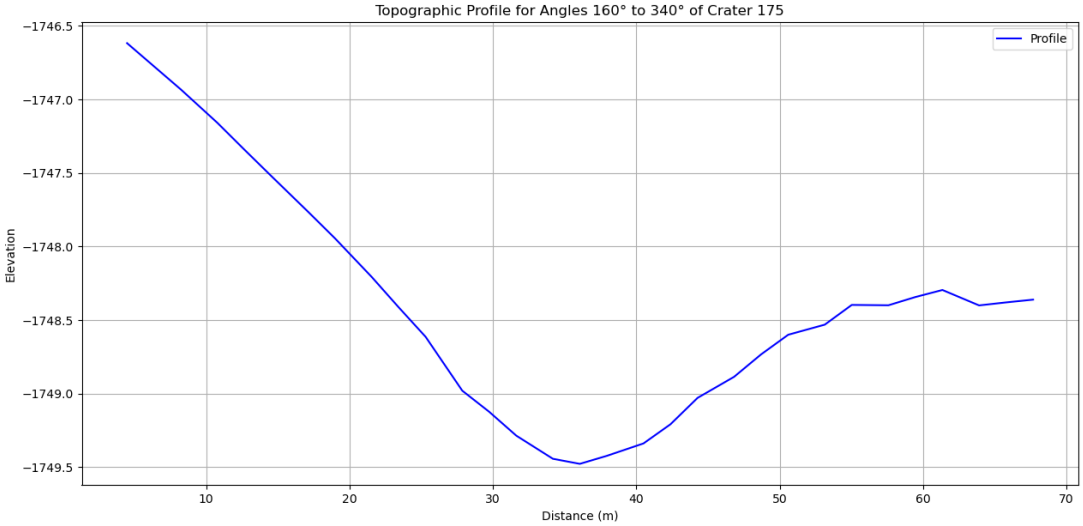
Topographic Profile for Angles 160° to 340° of Crater 175
Profile
Elevation
Distance (m)
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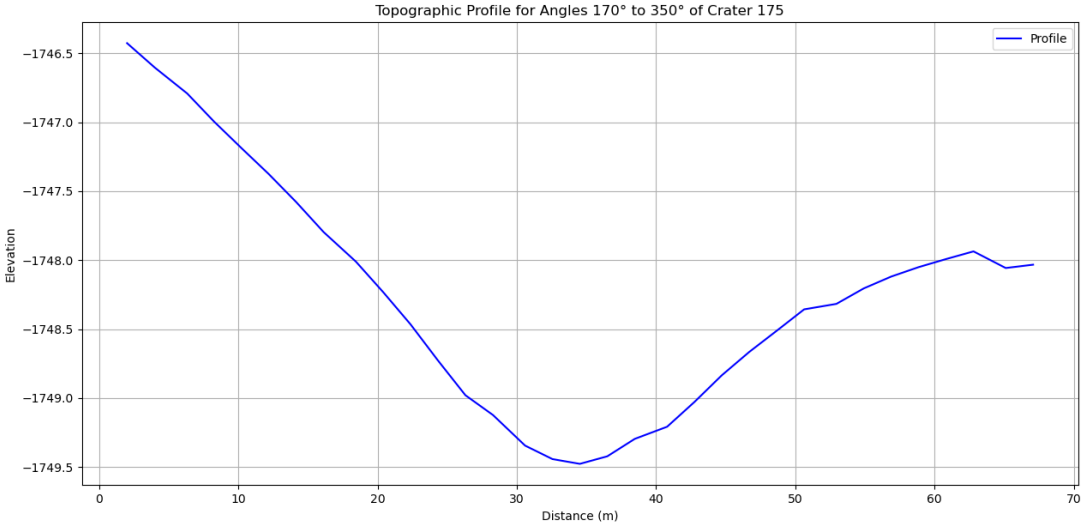
Topographic Profile for Angles 170° to 350° of Crater 175
Profile
Elevation
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−1747.5
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−1749.5
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Distance (m)