Crater report 33 of RG2

General information

ID : 33

Study area : RG2

Swirl : off-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 106m ± 4.0m

Mean depht : 3.3m ± 0.2m

d/D ratio : 0.031 ± 0.002

Circularity index : 0.95

Mean slope : 3.81°

Mean value of TRI on the rim crest : 0.07

Geometric center coordinates : (3656590.2738678395, 236601.25536630774)

Coordinates of the crater's lowest point : (3656591.0000011004, 236605.00000006985)

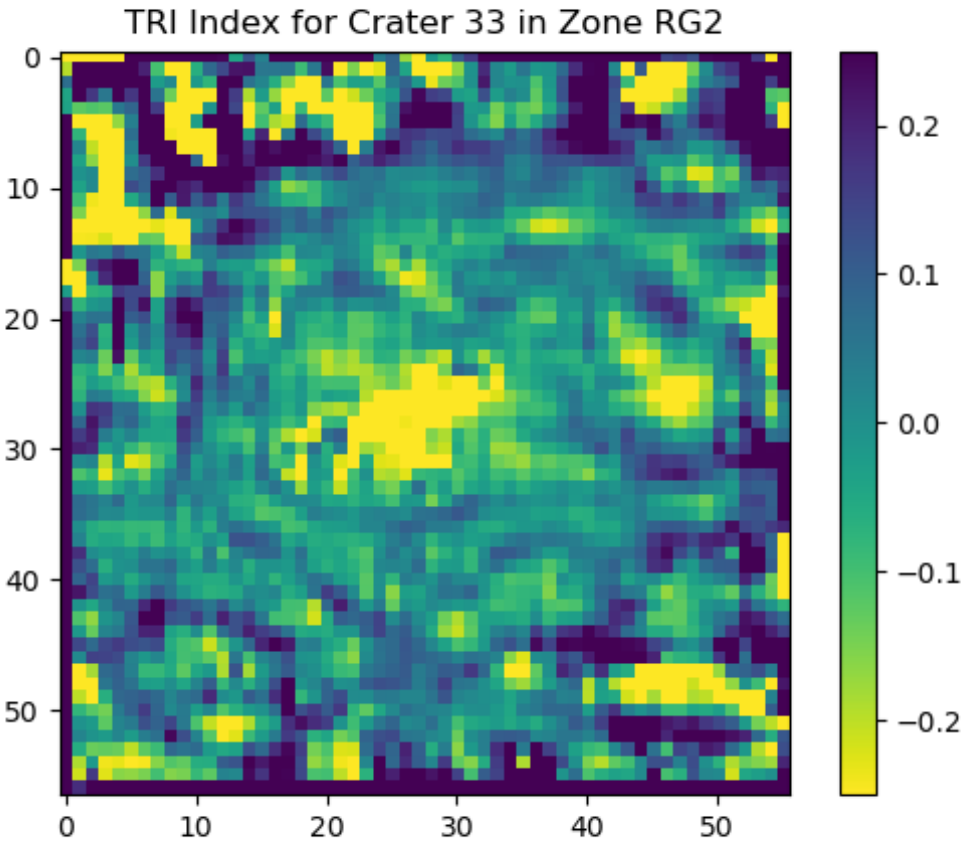
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	4.12	0.57
10°	3.99	0.54
20°	3.94	0.51
30°	3.92	0.48
40°	3.83	0.43
50°	3.68	0.43
60°	3.31	0.48
70°	3.2	0.51
80°	3.04	0.55
90°	3.1	0.57
100°	3.49	0.55
110°	4.0	0.52

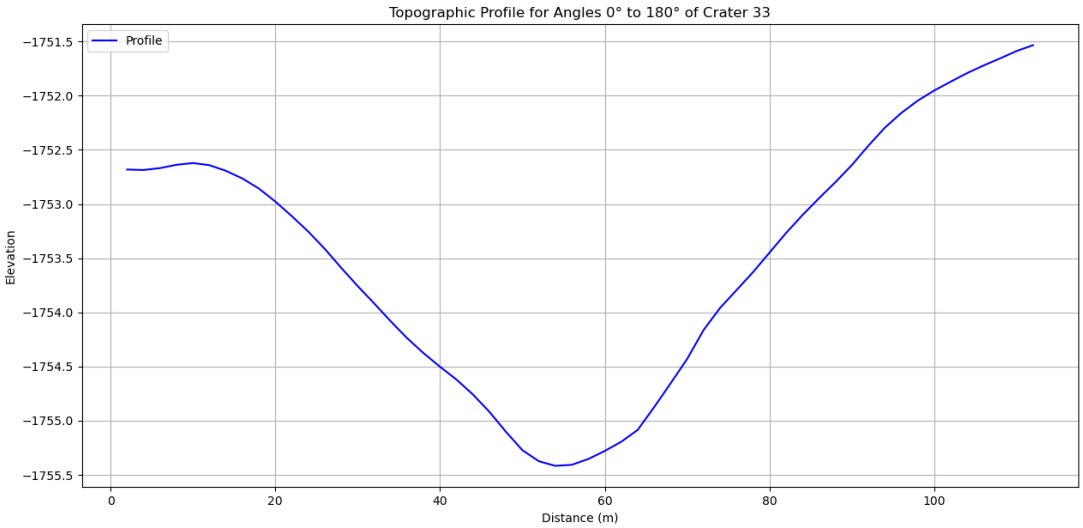
120°	4.03	0.48
130°	4.18	0.44
140°	4.24	0.43
150°	4.01	0.48
160°	3.94	0.51
170°	4.11	0.55
180°	4.44	0.57
190°	4.42	0.55
200°	4.09	0.52
210°	4.03	0.48
220°	4.15	0.43
230°	3.84	0.43
240°	3.65	0.48
250°	3.5	0.51
260°	3.65	0.55
270°	3.82	0.57
280°	3.69	0.54
290°	3.53	0.51
300°	3.39	0.48
310°	3.63	0.43
320°	3.8	0.43
330°	3.7	0.48
340°	3.71	0.52
350°	3.82	0.54

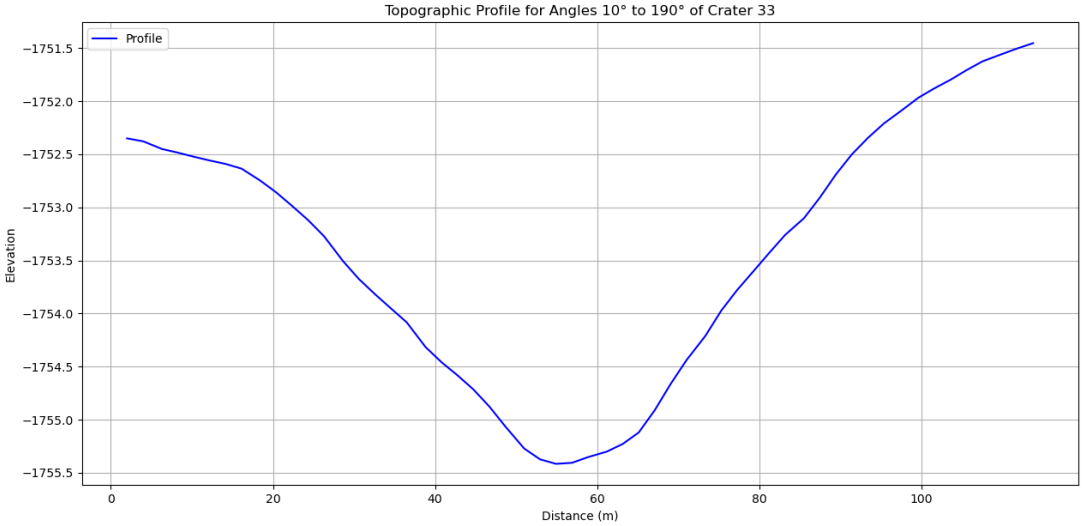
Topographic roughness index (TRI)

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 33
Profile
Elevation
Distance (m)
−1751.5
−1752.0
−1752.5
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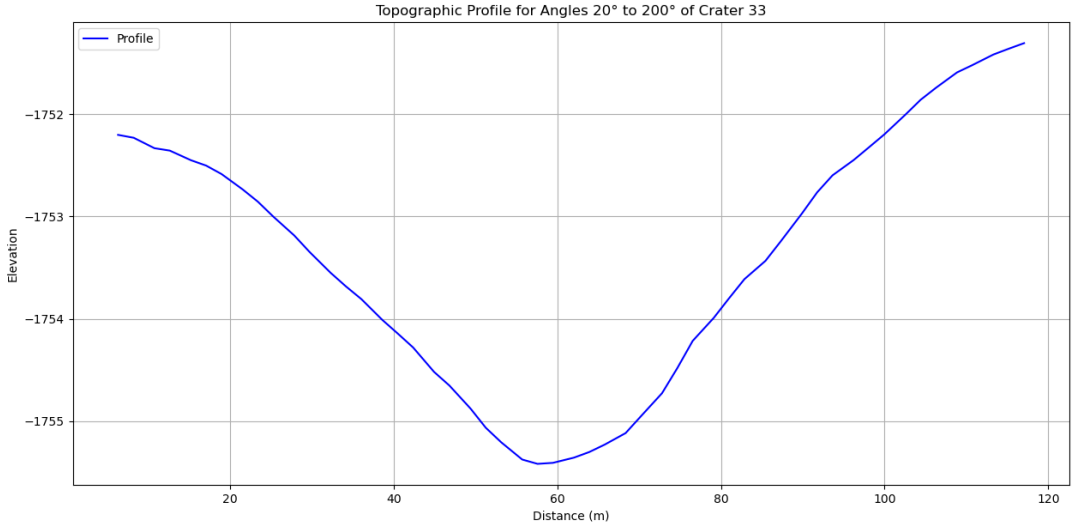
Topographic Profile for Angles 20° to 200° of Crater 33
Profile
Elevation
Distance (m)
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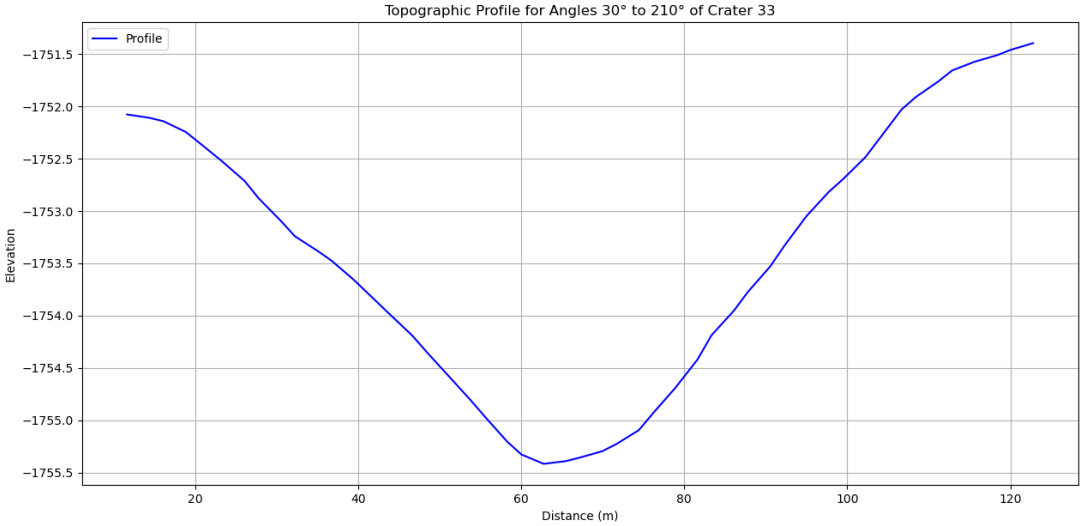
−1753
−1754
−1755
20
40
60
80
100
120


Topographic Profile for Angles 30° to 210° of Crater 33
Profile
Elevation
Distance (m)
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−1752.5
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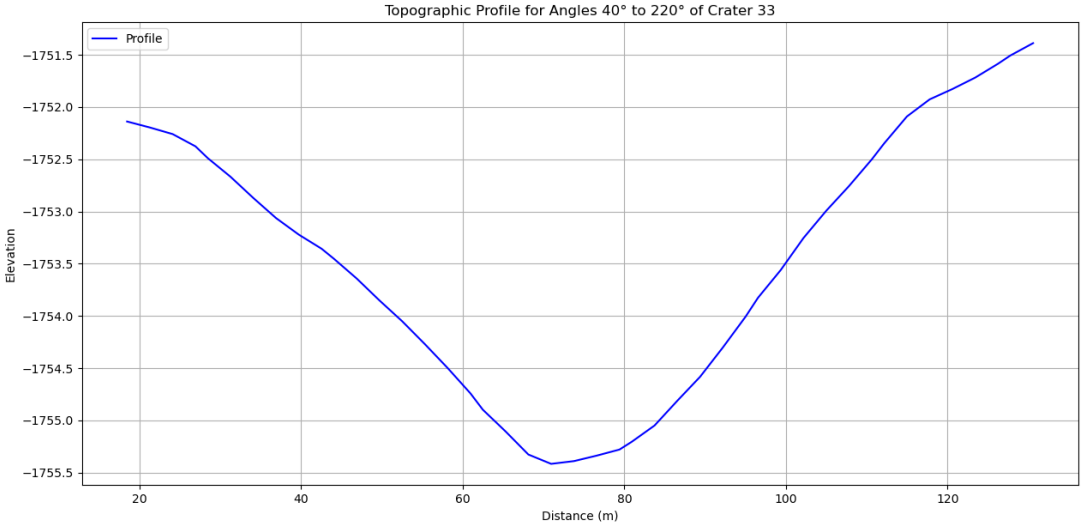
Topographic Profile for Angles 40° to 220° of Crater 33
Profile
Elevation
Distance (m)
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−1752.0
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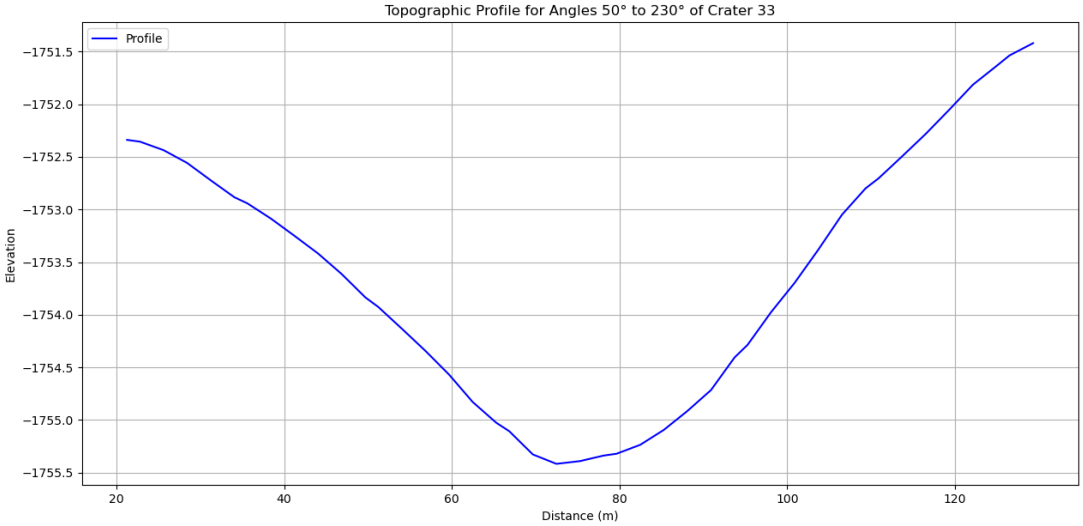
Topographic Profile for Angles 50° to 230° of Crater 33
Profile
Elevation
Distance (m)
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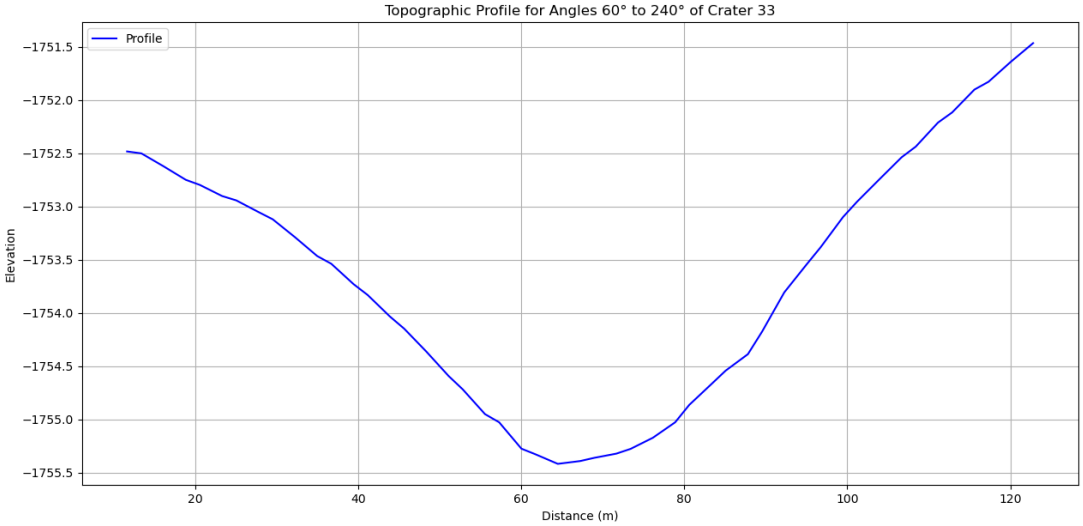
Topographic Profile for Angles 60° to 240° of Crater 33
Profile
Elevation
Distance (m)
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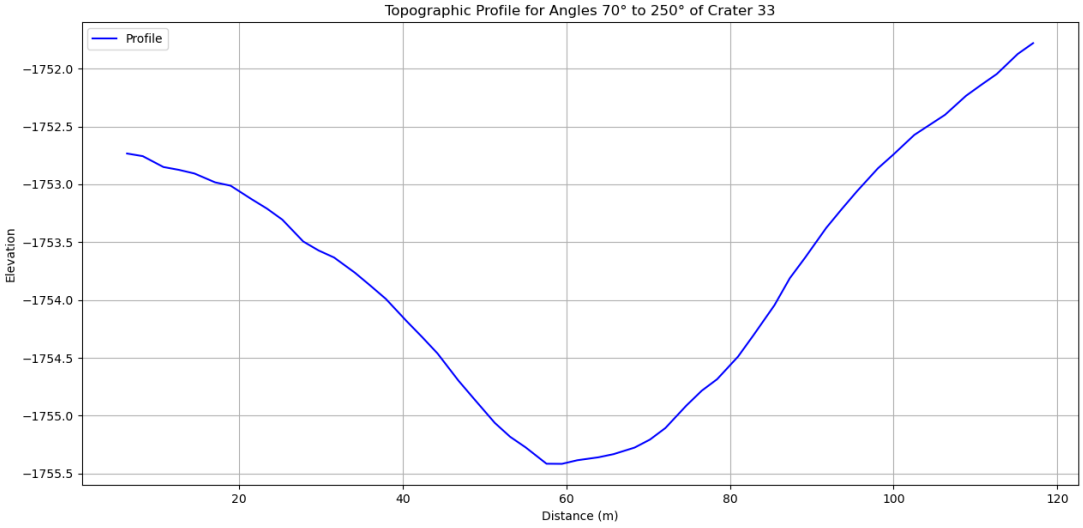
Topographic Profile for Angles 70° to 250° of Crater 33
Profile
Elevation
Distance (m)
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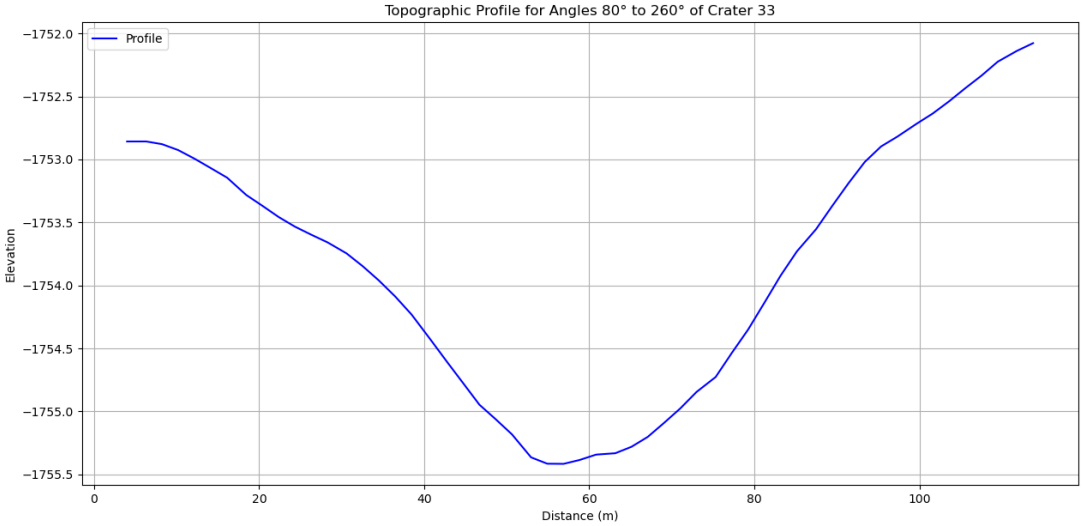
Topographic Profile for Angles 80° to 260° of Crater 33
Profile
Elevation
Distance (m)
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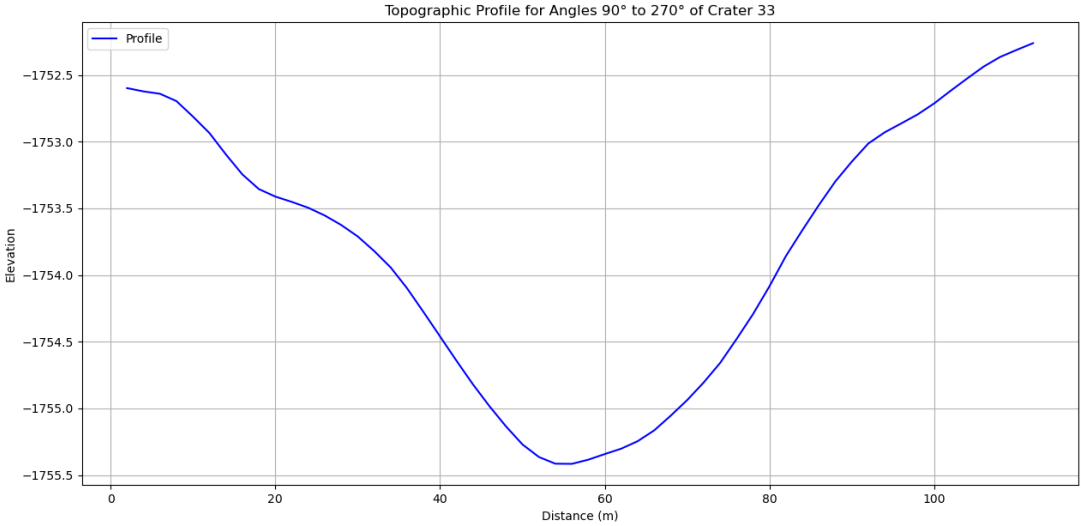
Topographic Profile for Angles 90° to 270° of Crater 33
Profile
Elevation
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−1753.5
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−1754.5
−1755.0
−1755.5
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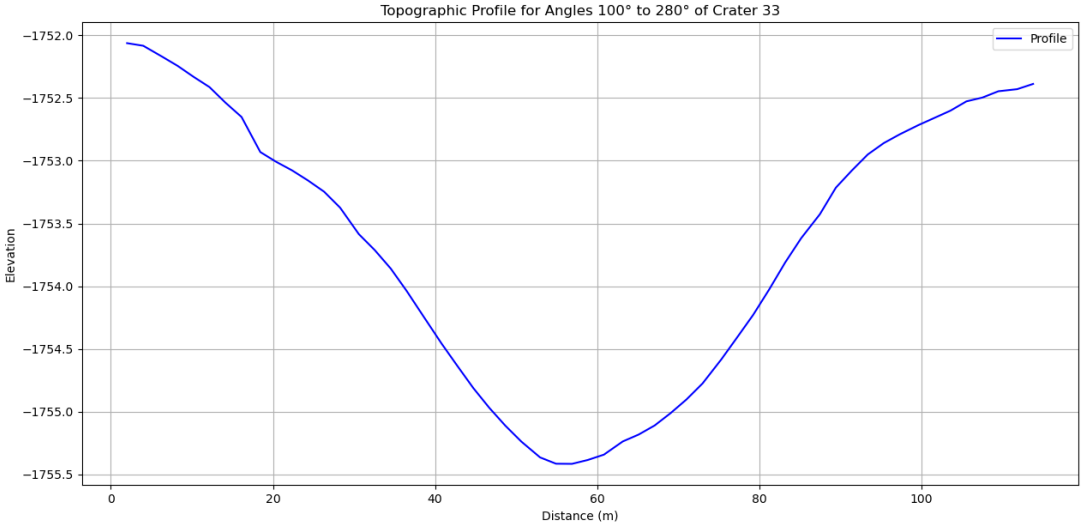
Distance (m)


Topographic Profile for Angles 100° to 280° of Crater 33
Profile
Elevation
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−1753.0
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−1755.5
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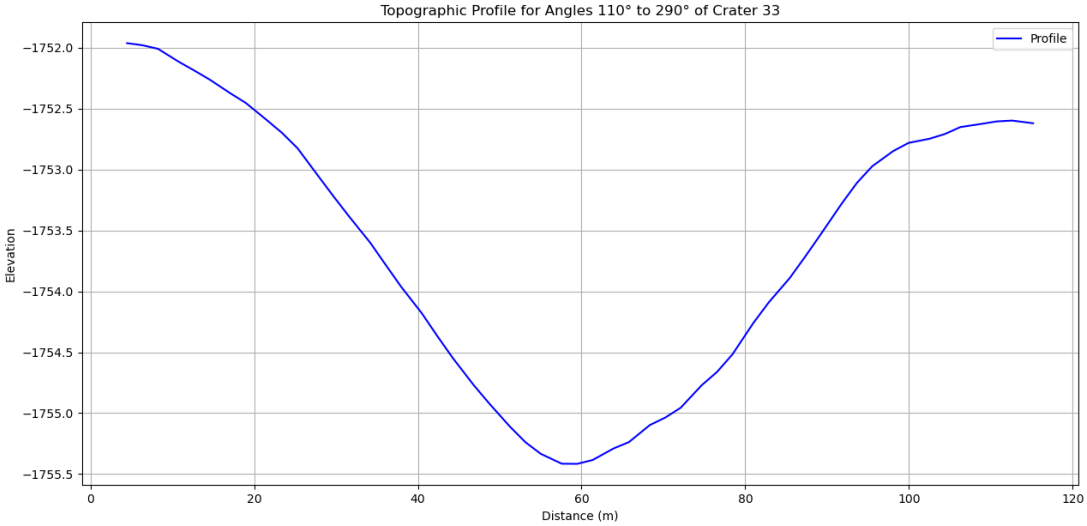
Distance (m)


Topographic Profile for Angles 110° to 290° of Crater 33
Profile
Elevation
Distance (m)
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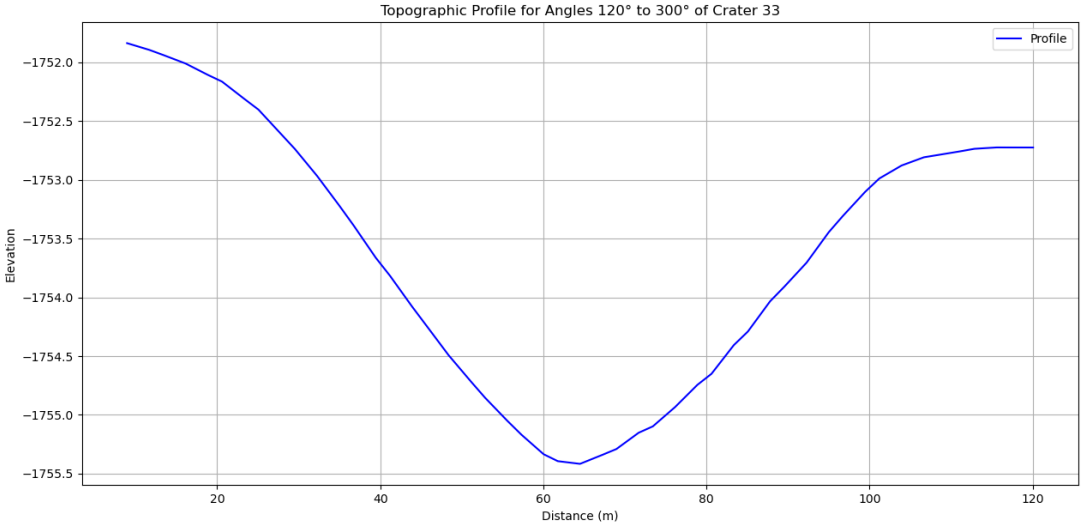
Topographic Profile for Angles 120° to 300° of Crater 33
Profile
Elevation
Distance (m)
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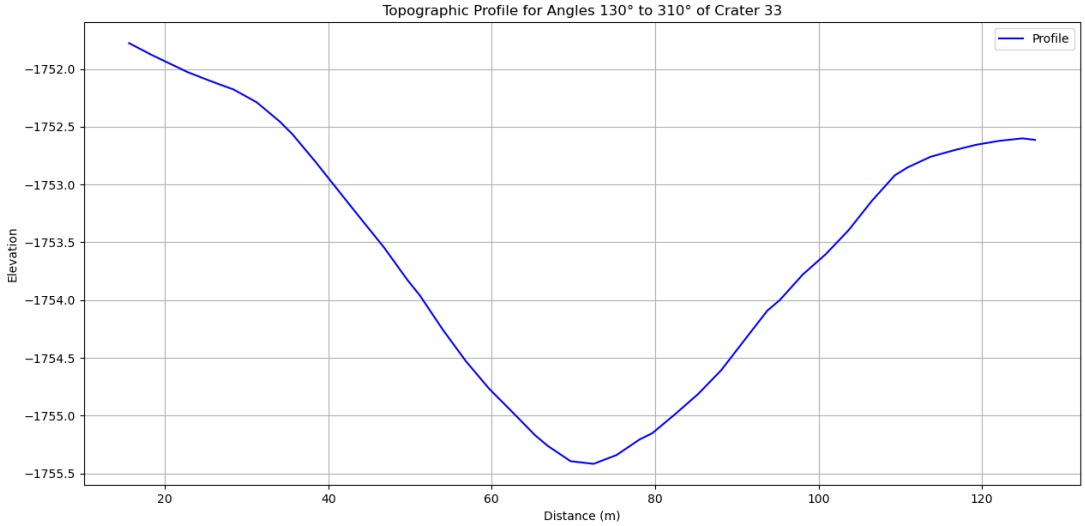
Topographic Profile for Angles 130° to 310° of Crater 33
Profile
Elevation
Distance (m)
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−1752.5
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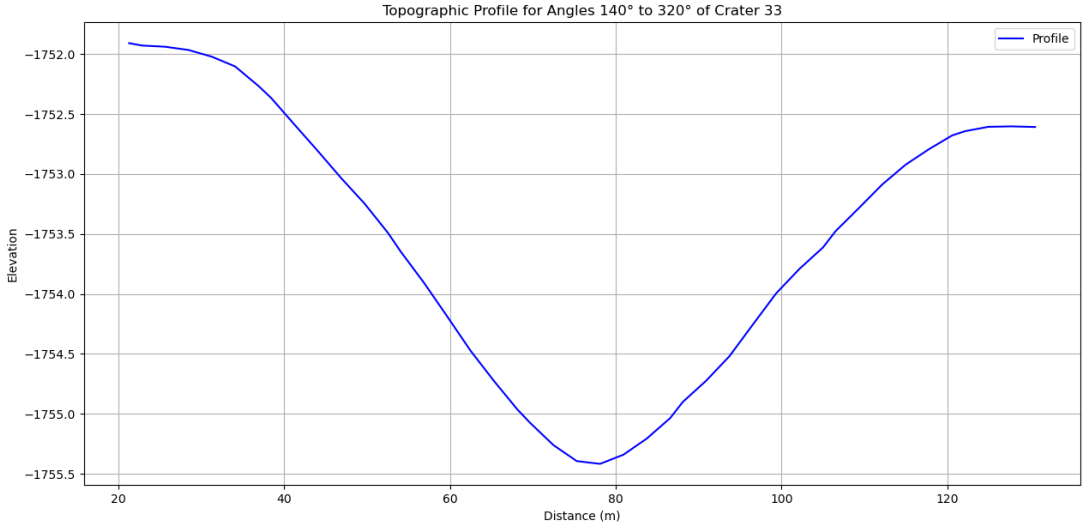
Topographic Profile for Angles 140° to 320° of Crater 33
Profile
Elevation
Distance (m)
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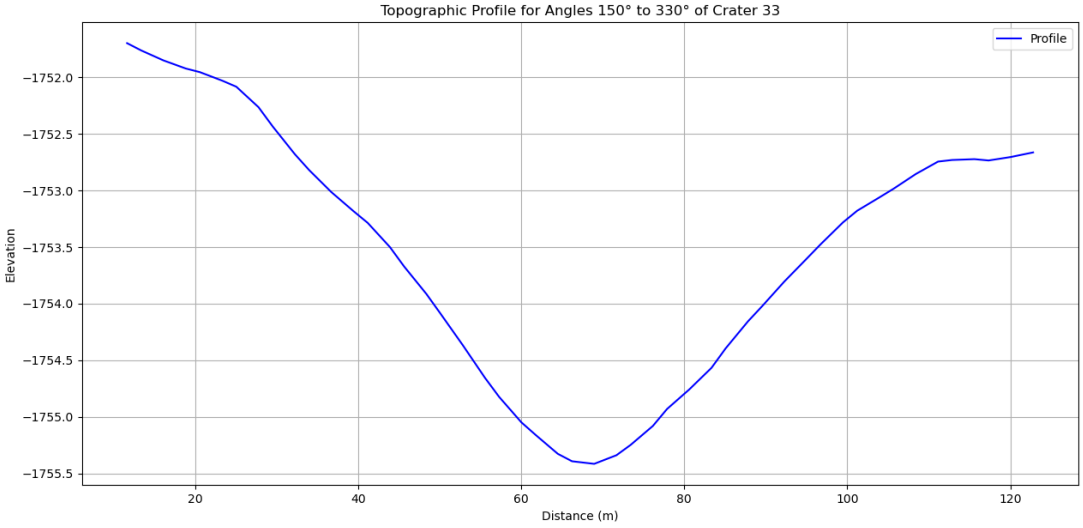
Topographic Profile for Angles 150° to 330° of Crater 33
Profile
Elevation
Distance (m)
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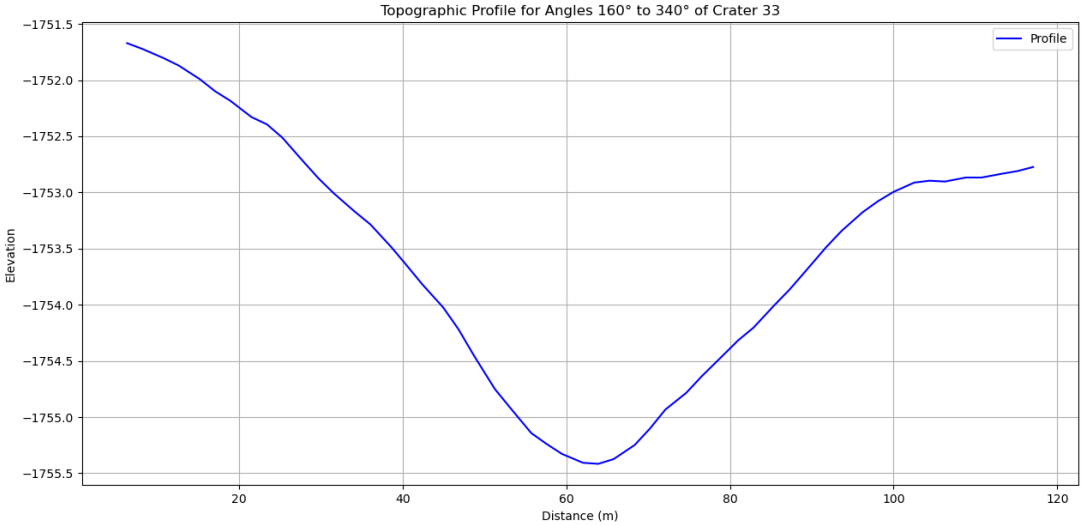
Topographic Profile for Angles 160° to 340° of Crater 33
Profile
Elevation
Distance (m)
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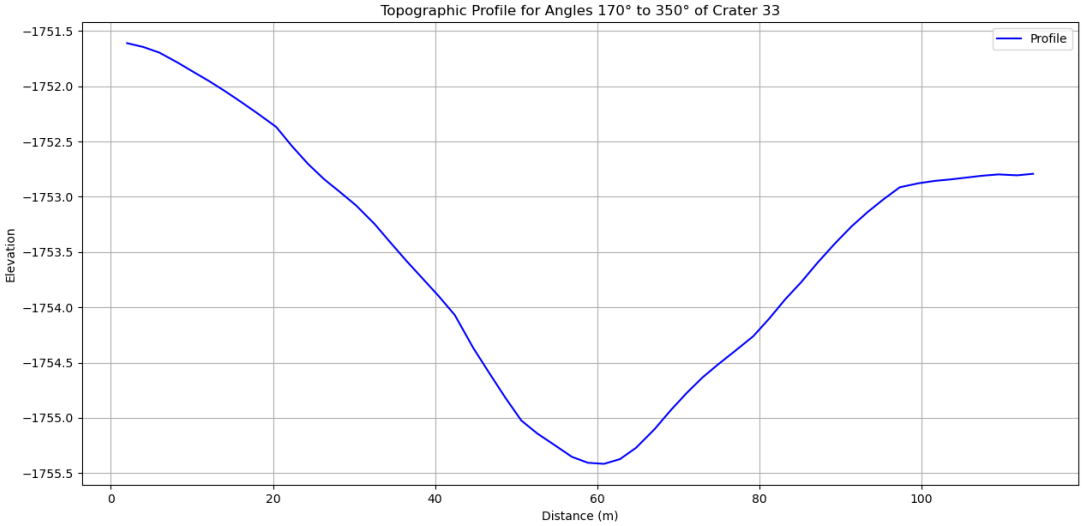
Topographic Profile for Angles 170° to 350° of Crater 33
Profile
Elevation
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Distance (m)