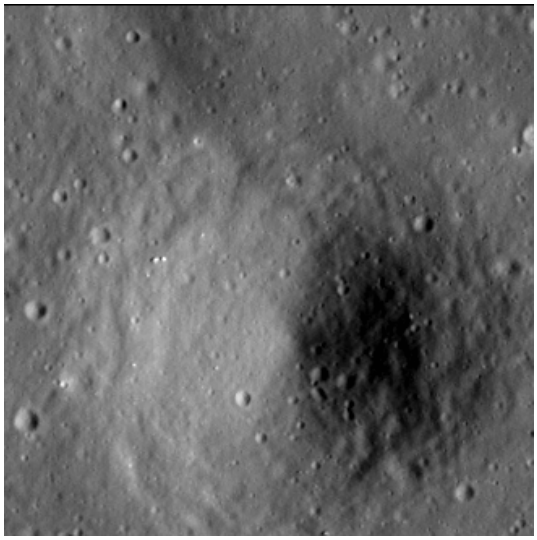
Crater report 453 of RG2

General information



ID : 453

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : B

Mean Diameter : 165m ± 11.0m

Mean depht : 17.8m ± 0.4m

d/D ratio : 0.108 ± 0.008

Circularity index : 0.94

Slope : Between 12.18° et 16.8°

Mean value of TRI on the rim crest : 0.19

Geometric center coordinates : (3659180.070343969, 233094.87816847238)

Coordinates of the crater's lowest point : (3659183.0000011013, 233089.0000000688)

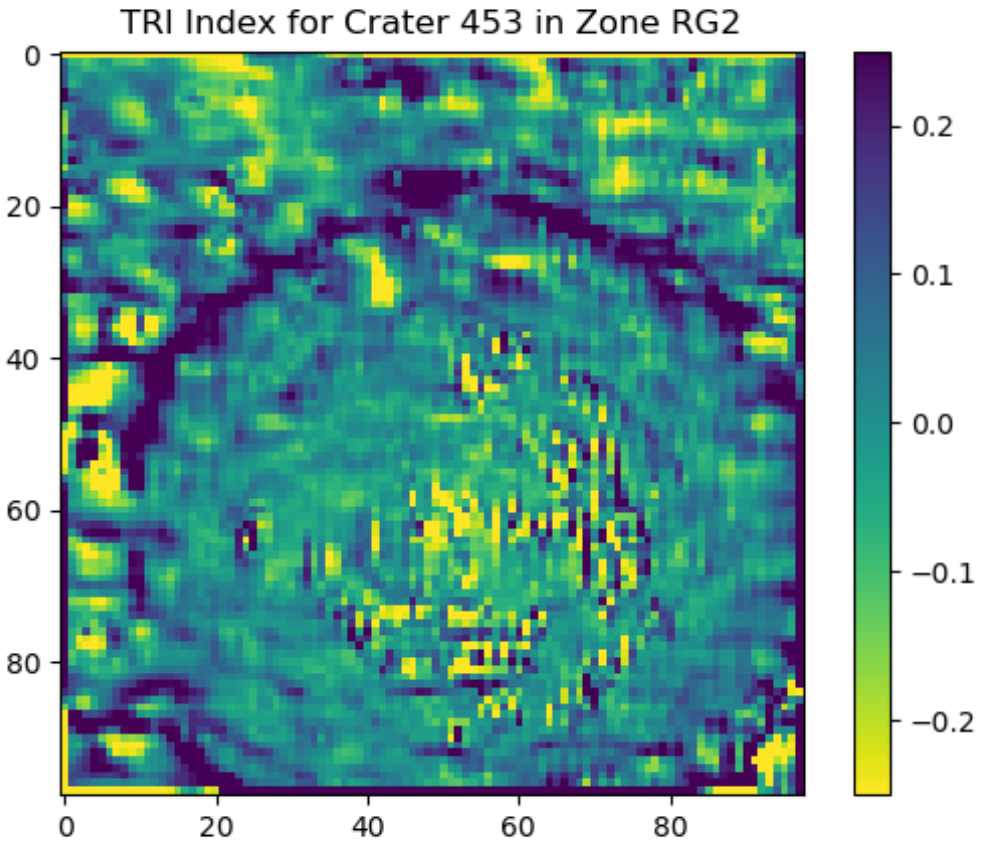
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	14.35	0.56
10°	14.19	0.53
20°	13.95	0.51
30°	13.6	0.48
40°	14.19	0.43
50°	14.33	0.43
60°	14.36	0.47
70°	15.18	0.51
80°	14.75	0.53
90°	15.6	0.56
100°	14.86	0.54
110°	14.96	0.51

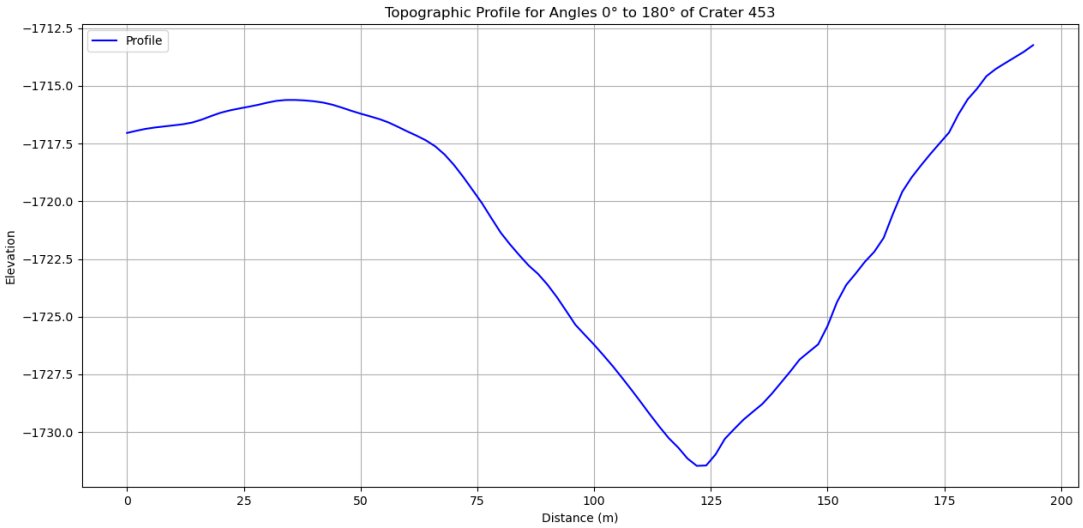
120°	14.9	0.48
130°	15.54	0.43
140°	16.54	0.43
150°	15.81	0.48
160°	15.97	0.51
170°	16.75	0.54
180°	16.8	0.56
190°	15.59	0.54
200°	14.92	0.51
210°	14.49	0.48
220°	14.38	0.43
230°	14.01	0.43
240°	13.16	0.48
250°	12.73	0.51
260°	12.87	0.54
270°	13.38	0.57
280°	12.36	0.54
290°	12.24	0.52
300°	12.18	0.48
310°	13.6	0.43
320°	13.74	0.43
330°	13.47	0.47
340°	13.17	0.51
350°	12.83	0.54

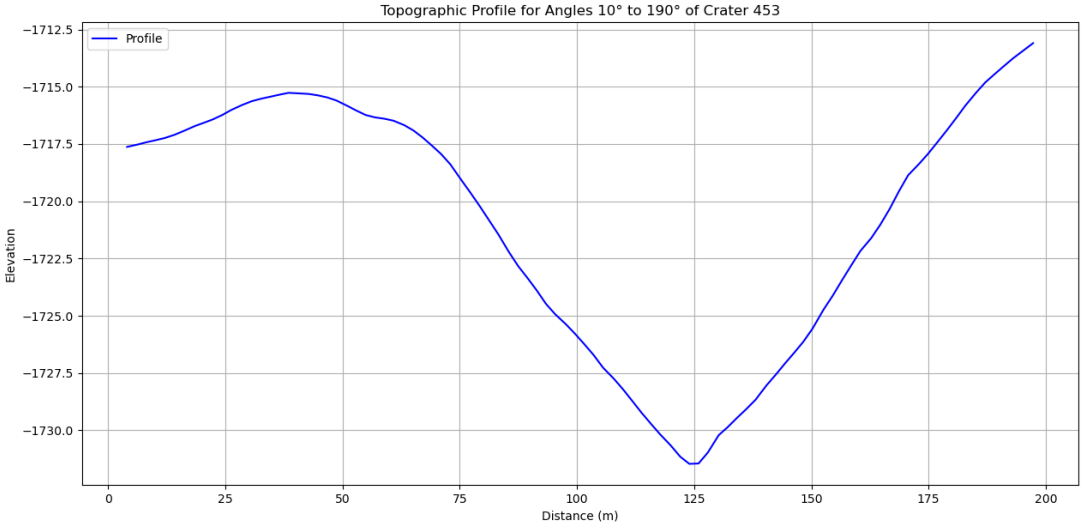
Topographic roughness index (TRI)

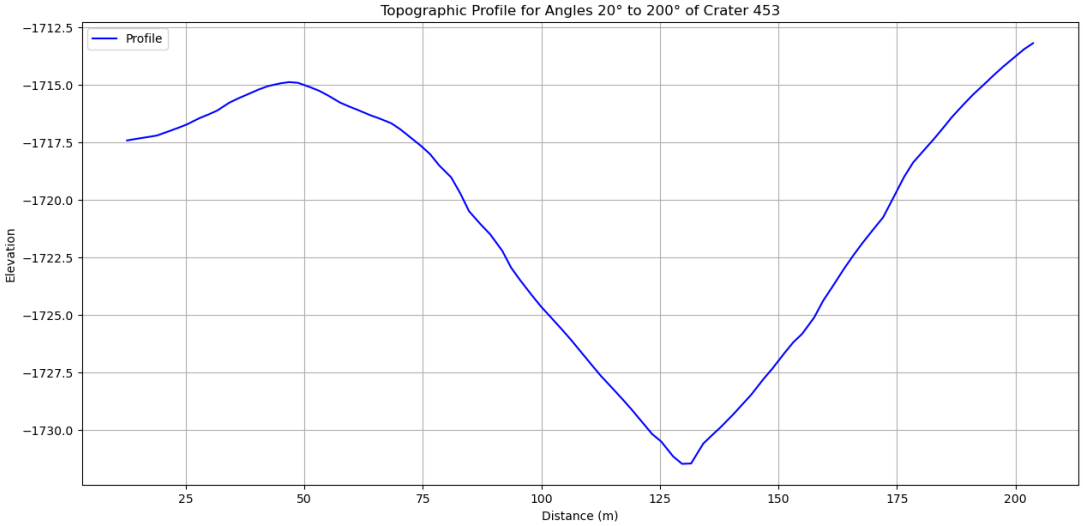
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.



Topographic profiles




Topographic Profile for Angles 10° to 190° of Crater 453
Profile
Elevation
Distance (m)
−1712.5
−1715.0
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
0
25
50
75
100
125
150
175
200


Topographic Profile for Angles 20° to 200° of Crater 453
Profile
Elevation
Distance (m)
−1712.5
−1715.0
−1717.5
−1720.0
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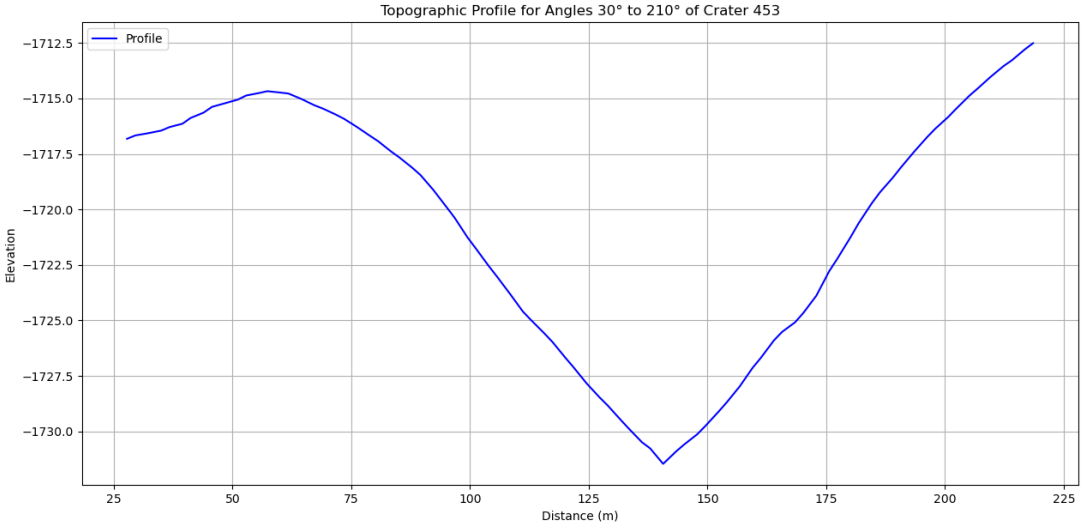
−1725.0
−1727.5
−1730.0
25
50
75
100
125
150
175
200


Topographic Profile for Angles 30° to 210° of Crater 453
Profile
Elevation
Distance (m)
−1712.5
−1715.0
−1717.5
−1720.0
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−1725.0
−1727.5
−1730.0
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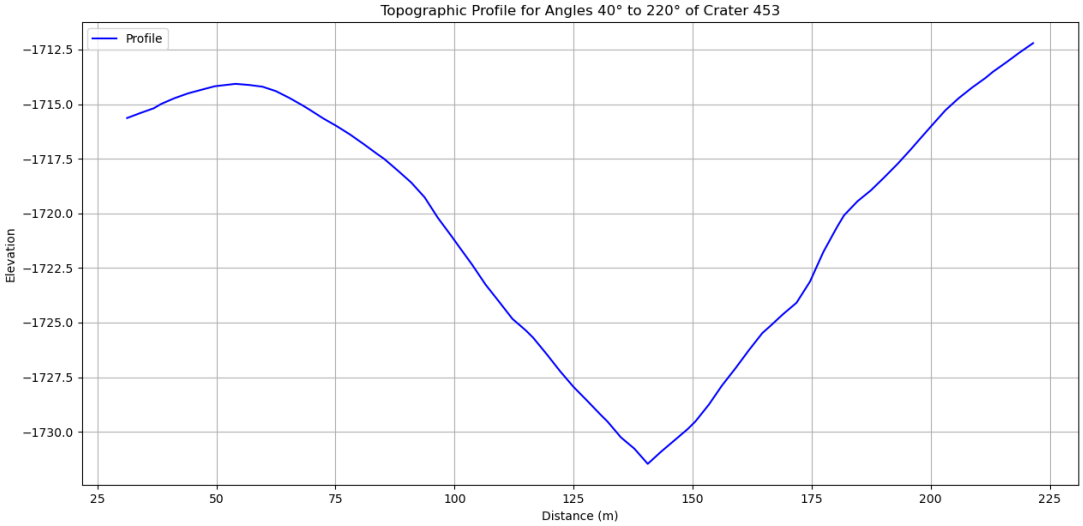
75
100
125
150
175
200
225


Topographic Profile for Angles 40° to 220° of Crater 453
Profile
Elevation
Distance (m)
−1712.5
−1715.0
−1717.5
−1720.0
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−1725.0
−1727.5
−1730.0
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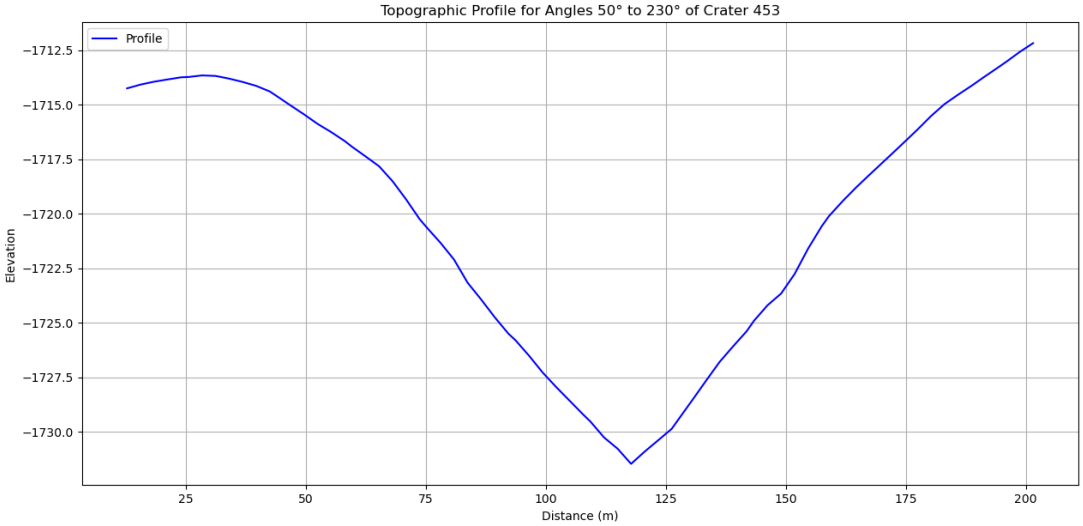
50
75
100
125
150
175
200
225


Topographic Profile for Angles 50° to 230° of Crater 453
Profile
Elevation
Distance (m)
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−1715.0
−1717.5
−1720.0
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−1725.0
−1727.5
−1730.0
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100
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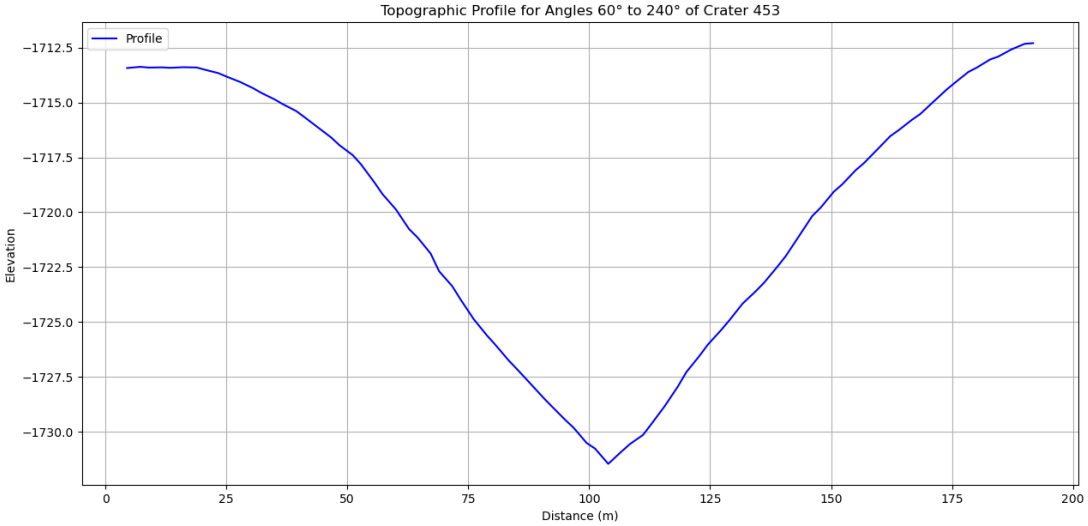
150
175
200


Topographic Profile for Angles 60° to 240° of Crater 453
Profile
Elevation
Distance (m)
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−1717.5
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100
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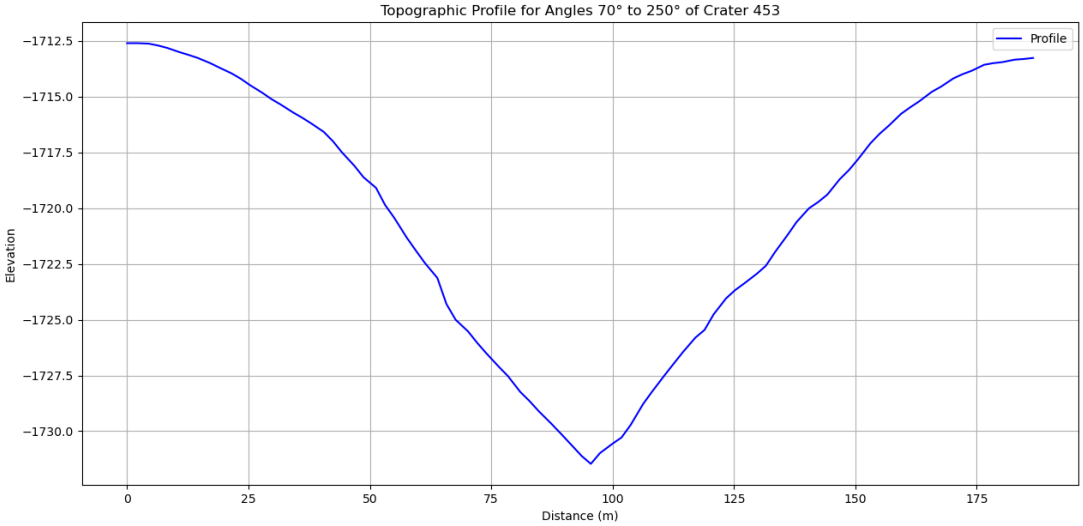
175
200


Topographic Profile for Angles 70° to 250° of Crater 453
Profile
Elevation
−1712.5
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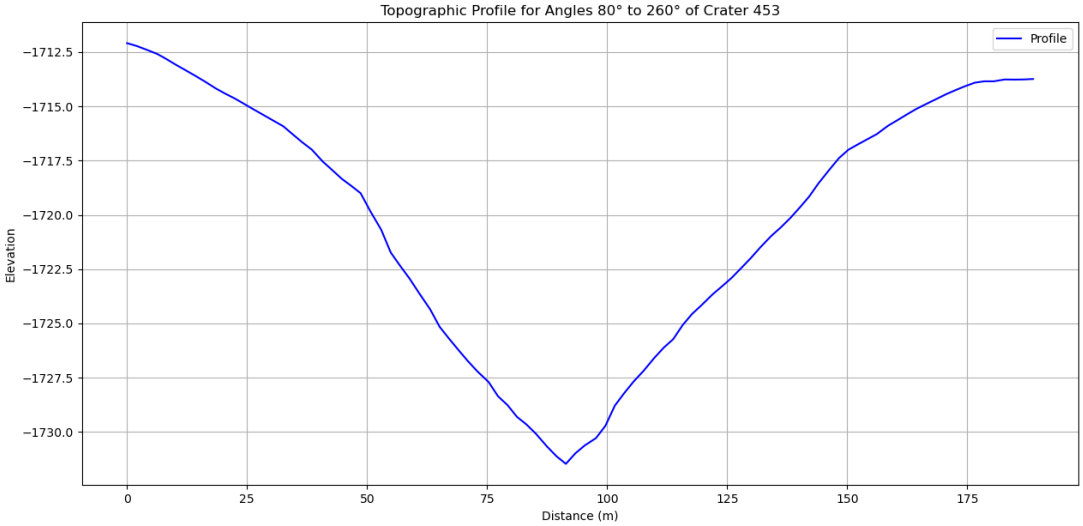
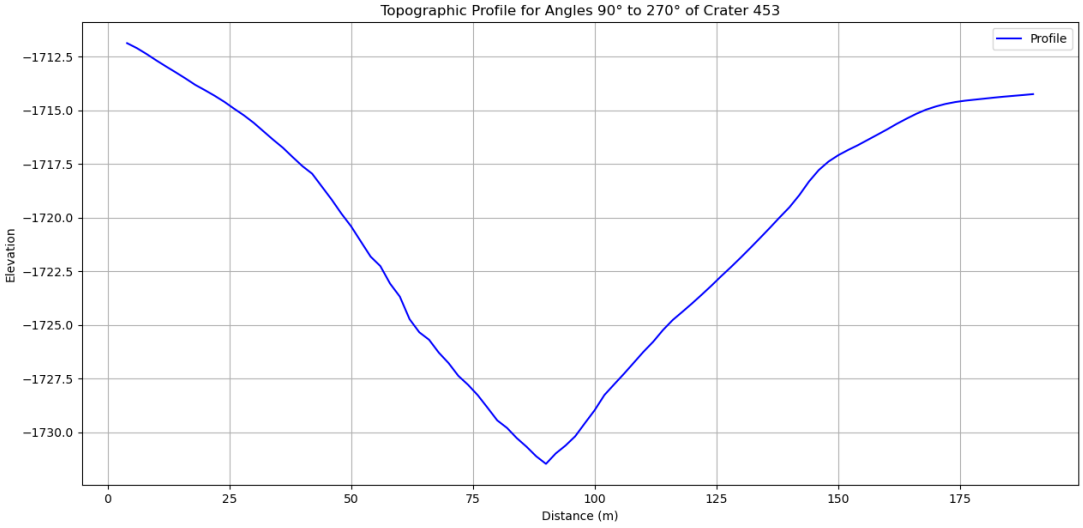
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
0
25
50
75
100
125
150
175
Distance (m)


Topographic Profile for Angles 80° to 260° of Crater 453
Profile
Elevation
−1712.5
−1715.0
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
0
25
50
75
100
125
150
175
Distance (m)


Topographic Profile for Angles 90° to 270° of Crater 453
Profile
Elevation
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−1717.5
−1720.0
−1722.5
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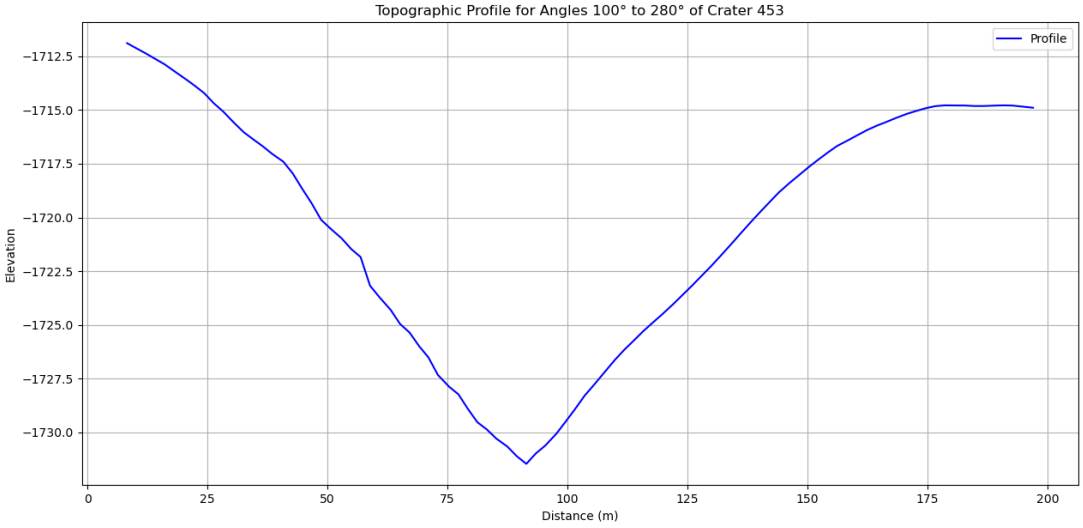
−1727.5
−1730.0
0
25
50
75
100
125
150
175
Distance (m)


Topographic Profile for Angles 100° to 280° of Crater 453
Profile
Elevation
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−1717.5
−1720.0
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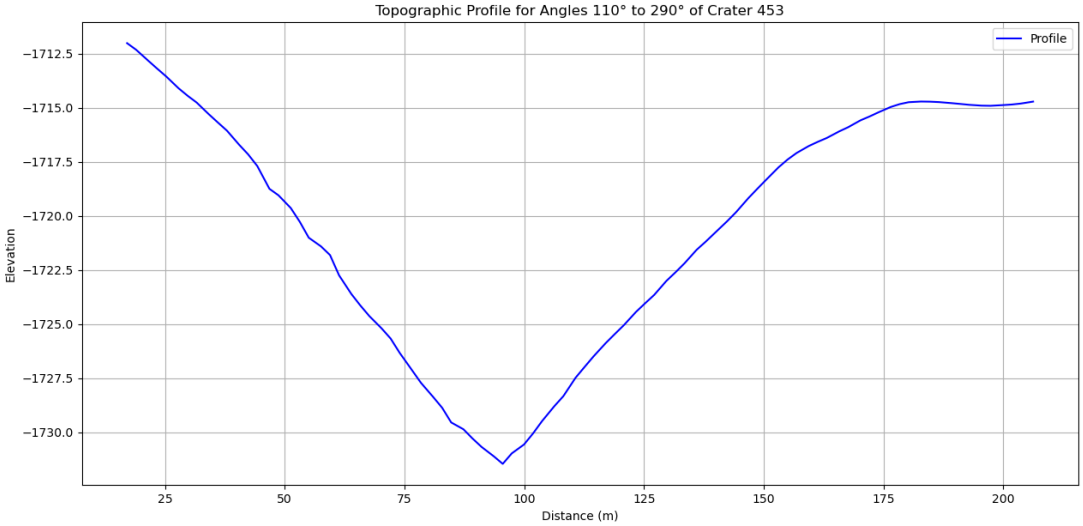
−1725.0
−1727.5
−1730.0
0
25
50
75
100
125
150
175
200
Distance (m)


Topographic Profile for Angles 110° to 290° of Crater 453
Profile
Elevation
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−1717.5
−1720.0
−1722.5
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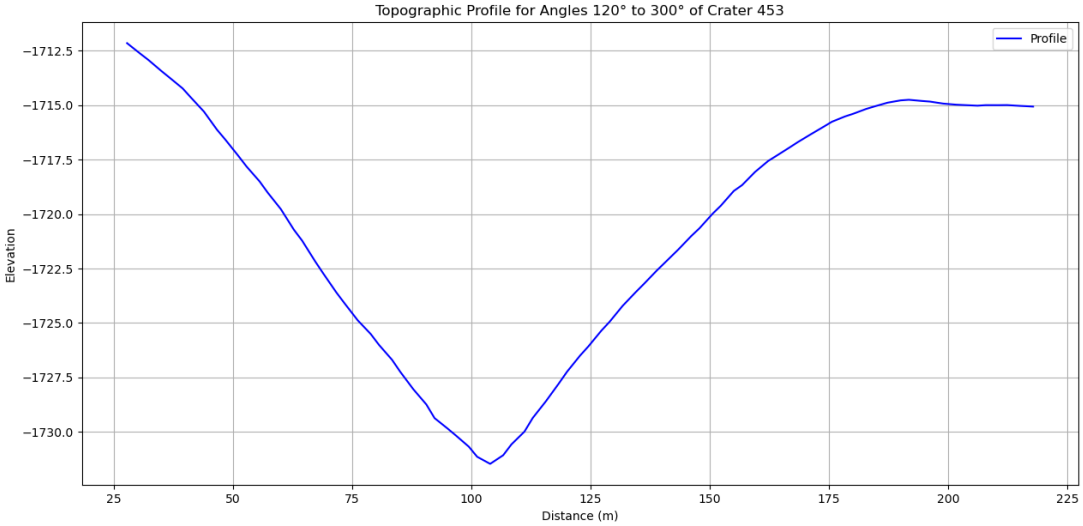
−1727.5
−1730.0
25
50
75
100
125
150
175
200
Distance (m)


Topographic Profile for Angles 120° to 300° of Crater 453
Profile
Elevation
−1712.5
−1715.0
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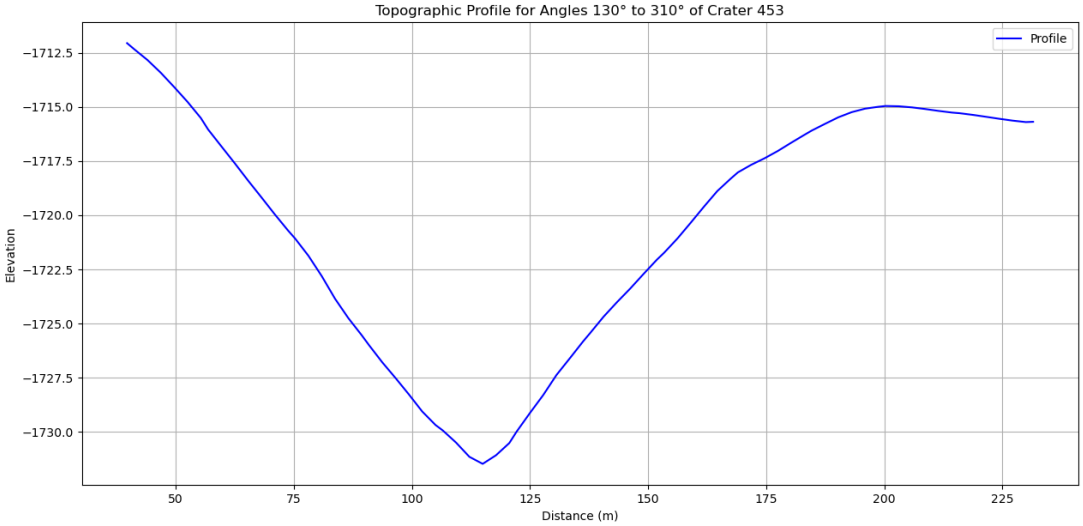
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
25
50
75
100
125
150
175
200
225
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 453
Profile
Elevation
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−1717.5
−1720.0
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−1727.5
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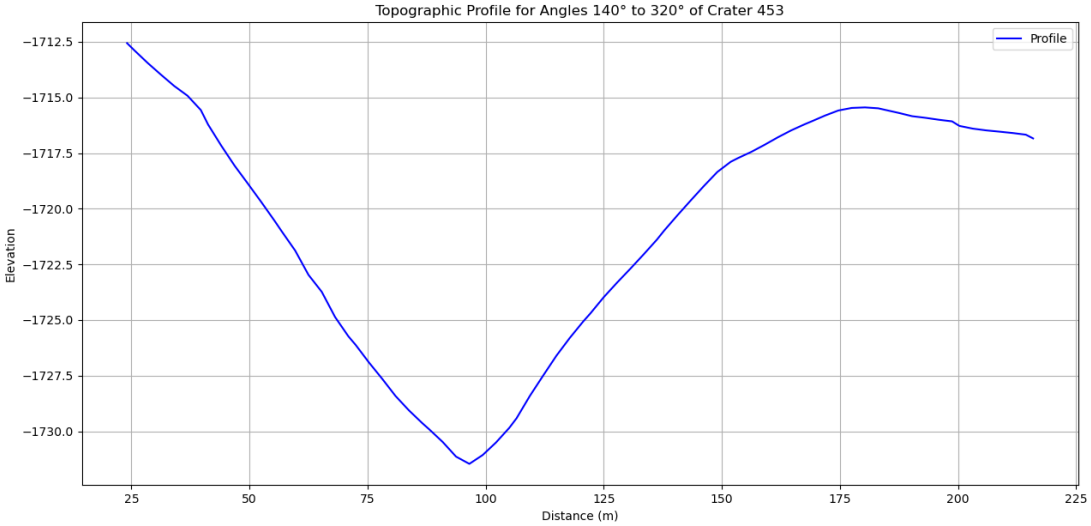
50
75
100
125
150
175
200
225
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 453
Profile
Elevation
−1712.5
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−1720.0
−1722.5
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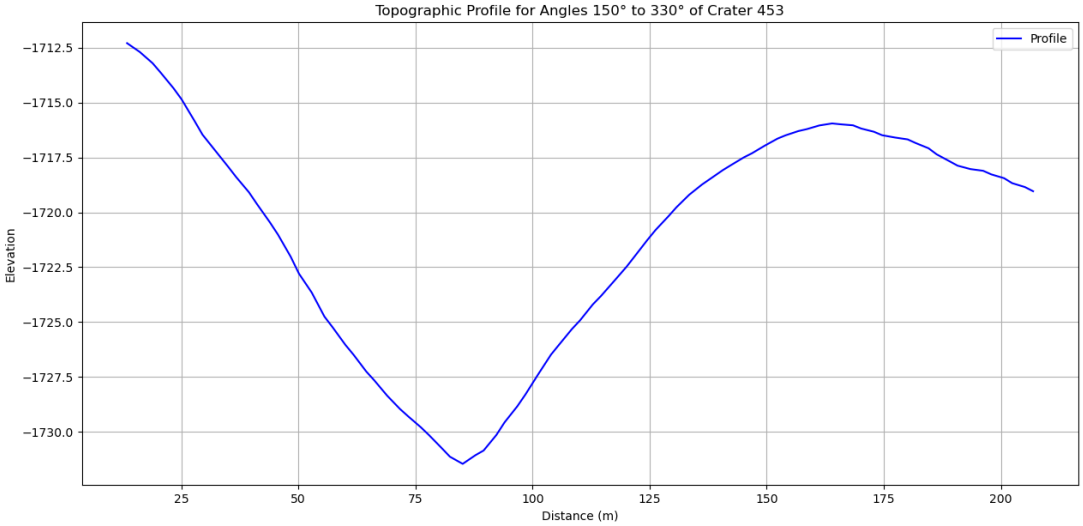
−1727.5
−1730.0
25
50
75
100
125
150
175
200
225
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 453
Profile
Elevation
−1712.5
−1715.0
−1717.5
−1720.0
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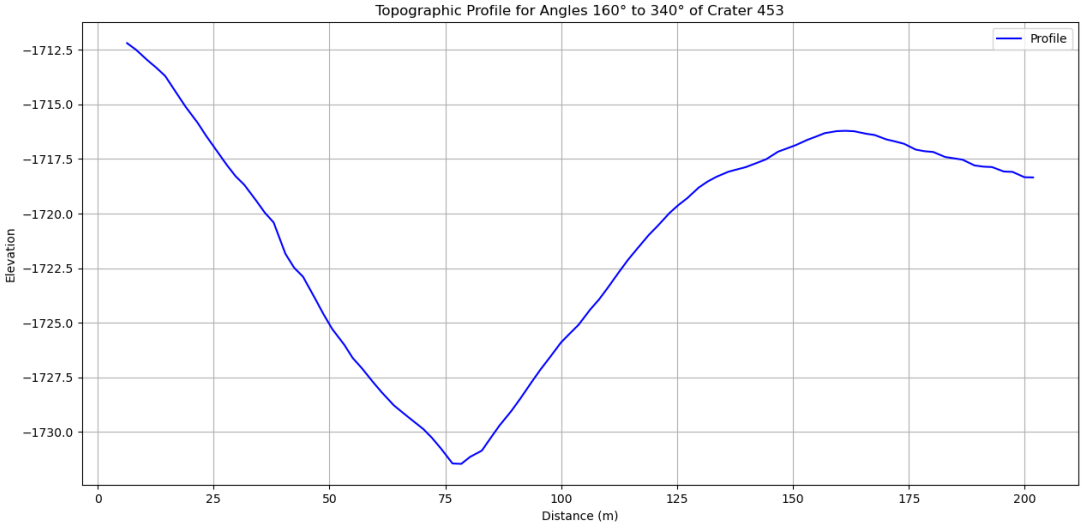
−1727.5
−1730.0
25
50
75
100
125
150
175
200
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 453
Profile
Elevation
−1712.5
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−1717.5
−1720.0
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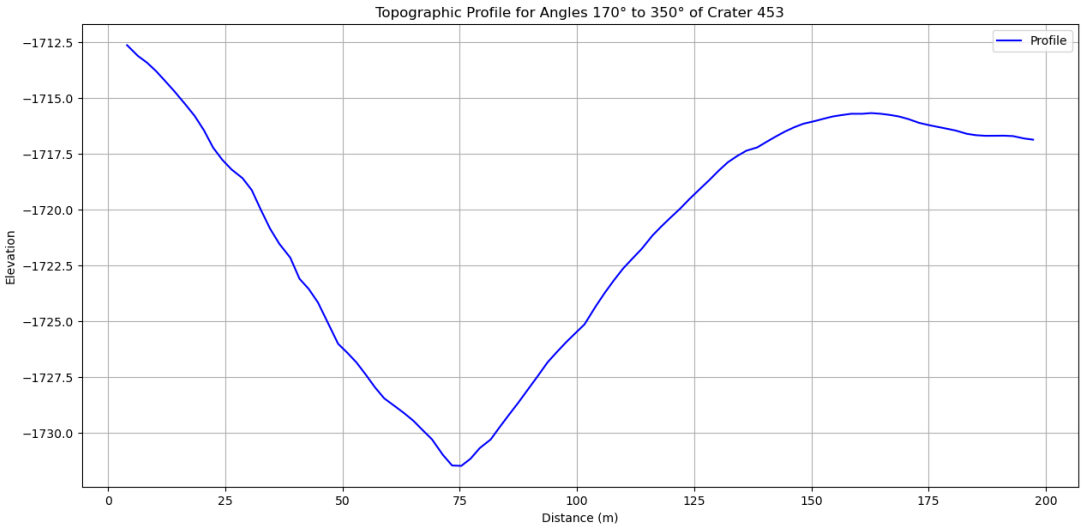
0
25
50
75
100
125
150
175
200
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 453
Profile
Elevation
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−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
0
25
50
75
100
125
150
175
200
Distance (m)