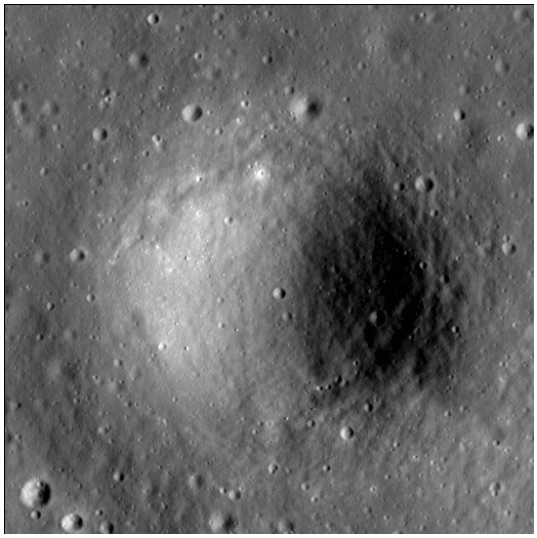
Crater report 2420 of RG2

General information



ID : 2420

Study area : RG2

Swirl : off-swirl

Morphology : Bowl-shaped

Estimate state of degradation : B

Mean Diameter : 254m ± 10.0m

Mean depht : 26.9m ± 0.6m

d/D ratio : 0.106 ± 0.005

Circularity index : 0.93

Mean slope : 13.9°

Mean value of TRI on the rim crest : 0.32

Geometric center coordinates : (3657711.628292686, 217751.2273309271)

Coordinates of the crater's lowest point : (3657699.000001101, 217749.0000000642)

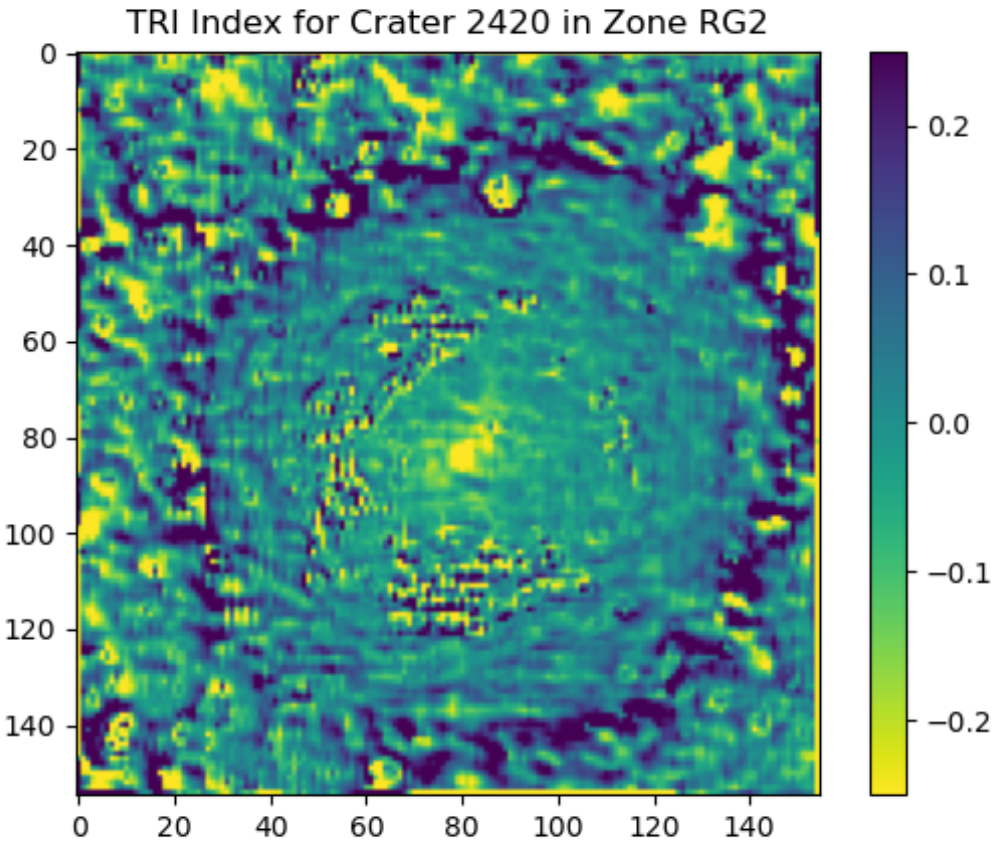
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	14.49	0.56
10°	13.9	0.54
20°	13.31	0.51
30°	12.72	0.48
40°	13.41	0.43
50°	13.69	0.43
60°	13.31	0.48
70°	13.44	0.51
80°	13.85	0.54
90°	14.42	0.56
100°	13.78	0.54
110°	13.5	0.51

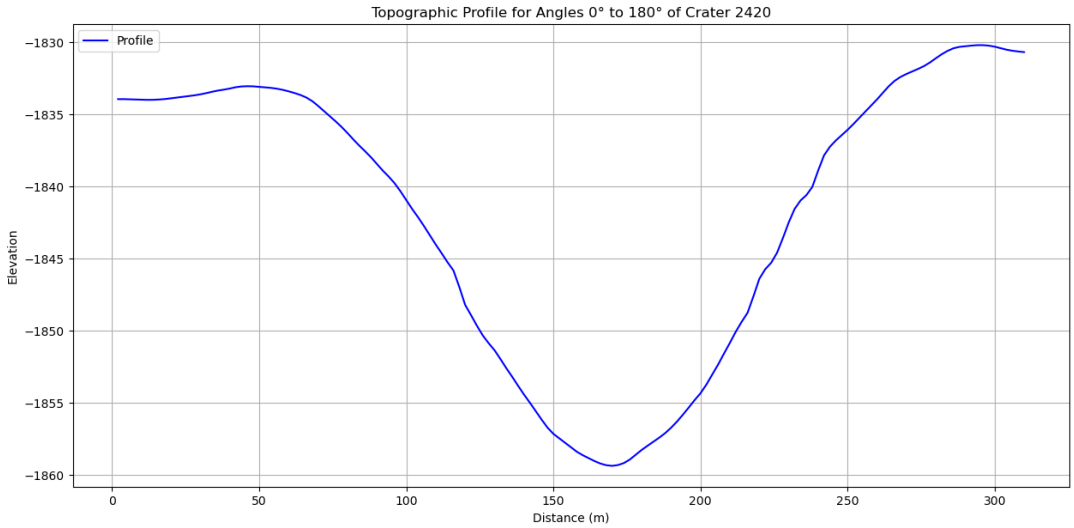
120°	13.76	0.48
130°	14.98	0.43
140°	15.47	0.43
150°	15.07	0.47
160°	15.27	0.51
170°	15.73	0.53
180°	15.94	0.56
190°	15.36	0.53
200°	14.44	0.51
210°	13.6	0.48
220°	13.47	0.43
230°	13.01	0.43
240°	12.38	0.48
250°	11.97	0.51
260°	12.31	0.54
270°	12.89	0.56
280°	12.65	0.54
290°	12.64	0.51
300°	13.06	0.48
310°	14.35	0.43
320°	14.96	0.43
330°	14.43	0.48
340°	14.49	0.51
350°	14.35	0.53

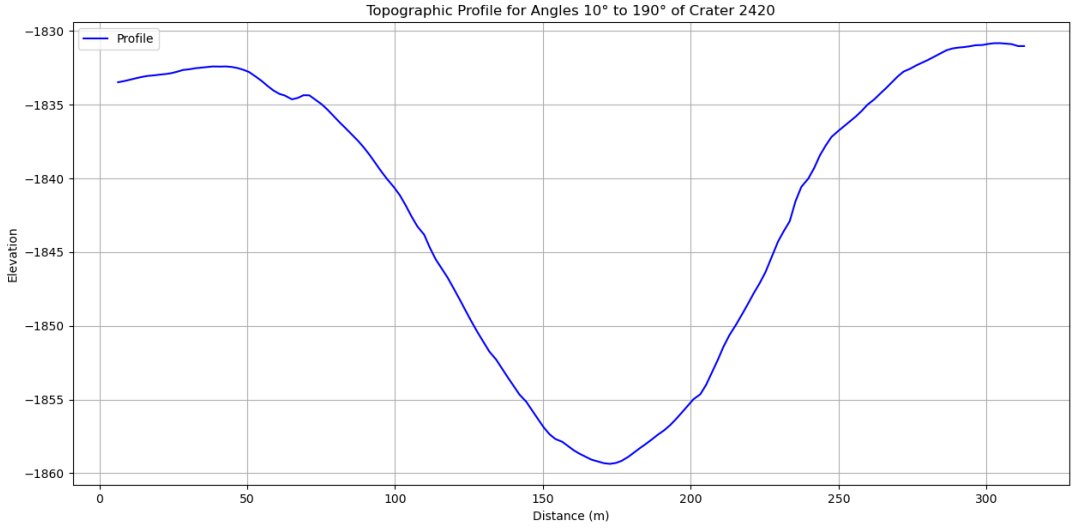
Topographic roughness index (TRI)

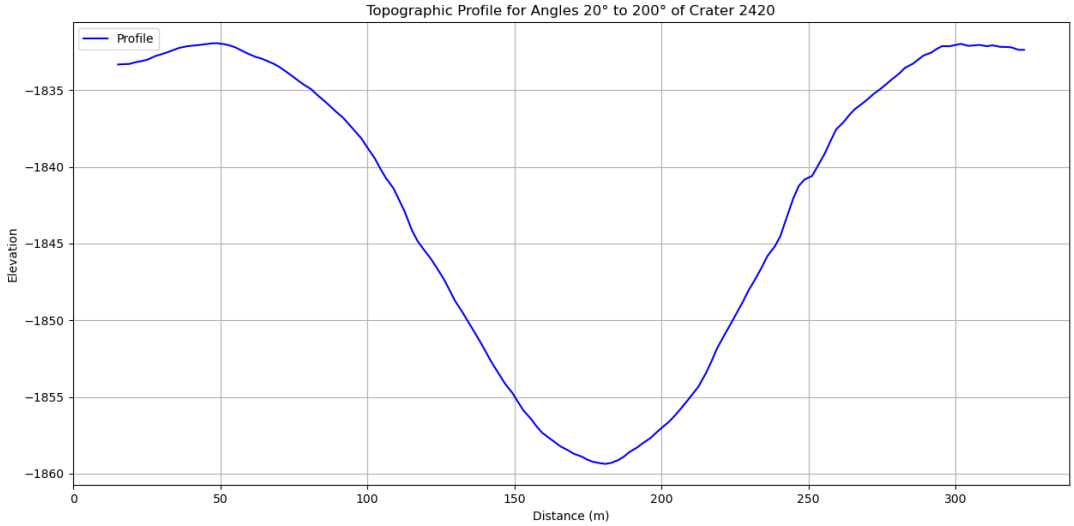
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

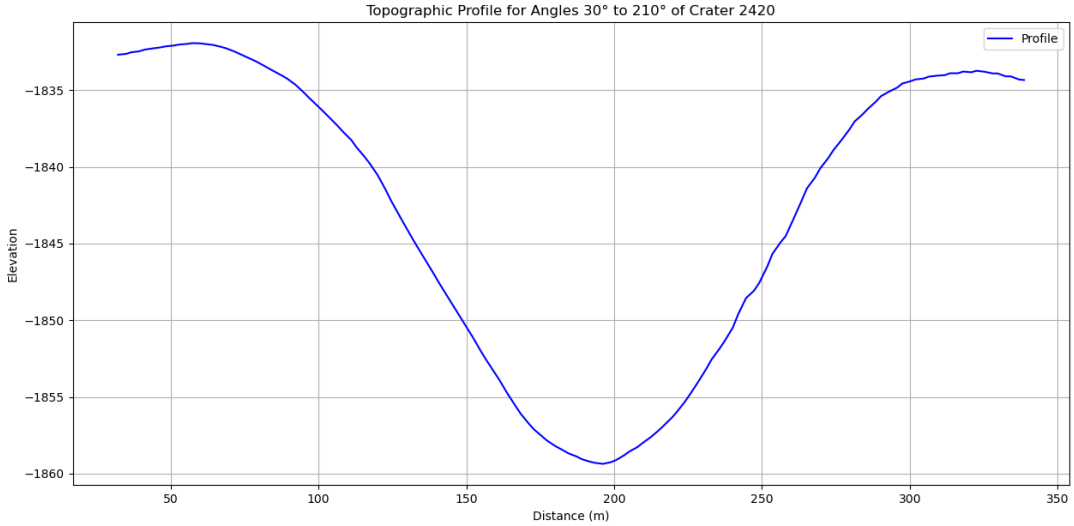


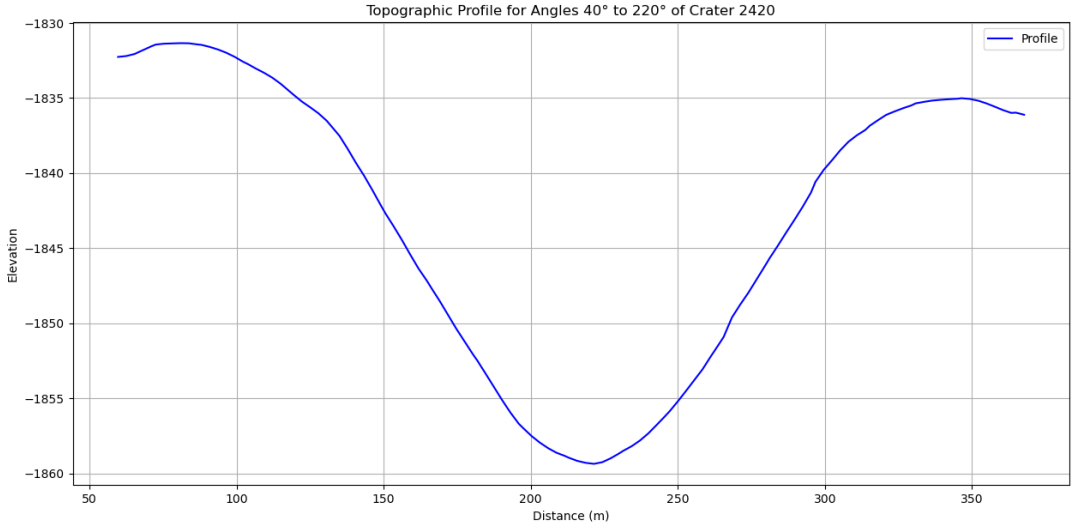
Topographic profiles




Topographic Profile for Angles 10° to 190° of Crater 2420
Profile
Elevation
Distance (m)
−1830
−1835
−1840
−1845
−1850
−1855
−1860
0
50
100
150
200
250
300


Topographic Profile for Angles 20° to 200° of Crater 2420
Profile
Elevation
Distance (m)
−1835
−1840
−1845
−1850
−1855
−1860
0
50
100
150
200
250
300


Topographic Profile for Angles 30° to 210° of Crater 2420
Profile
Elevation
Distance (m)
−1835
−1840
−1845
−1850
−1855
−1860
50
100
150
200
250
300
350


Topographic Profile for Angles 40° to 220° of Crater 2420
Profile
Elevation
Distance (m)
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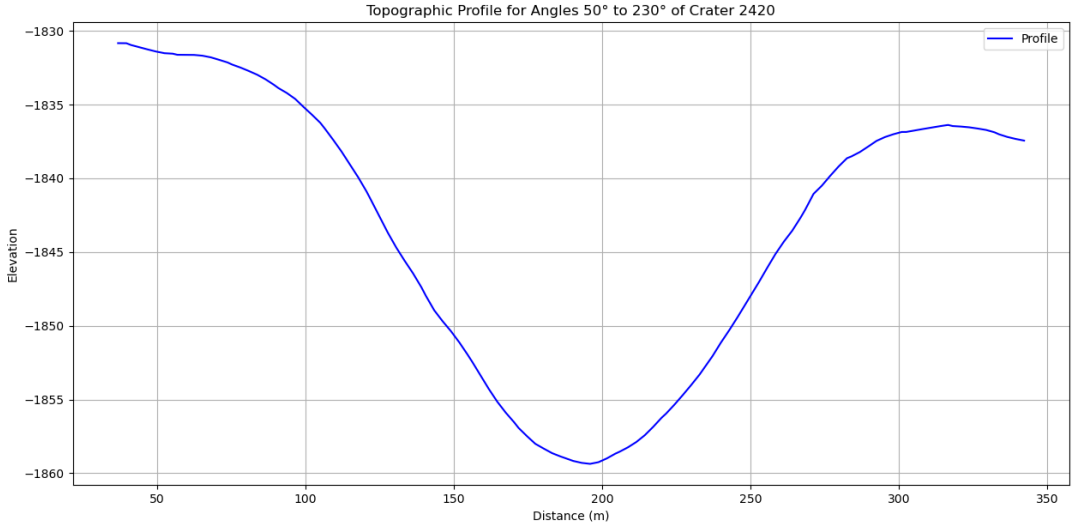
−1840
−1845
−1850
−1855
−1860
50
100
150
200
250
300
350


Topographic Profile for Angles 50° to 230° of Crater 2420
Profile
Elevation
Distance (m)
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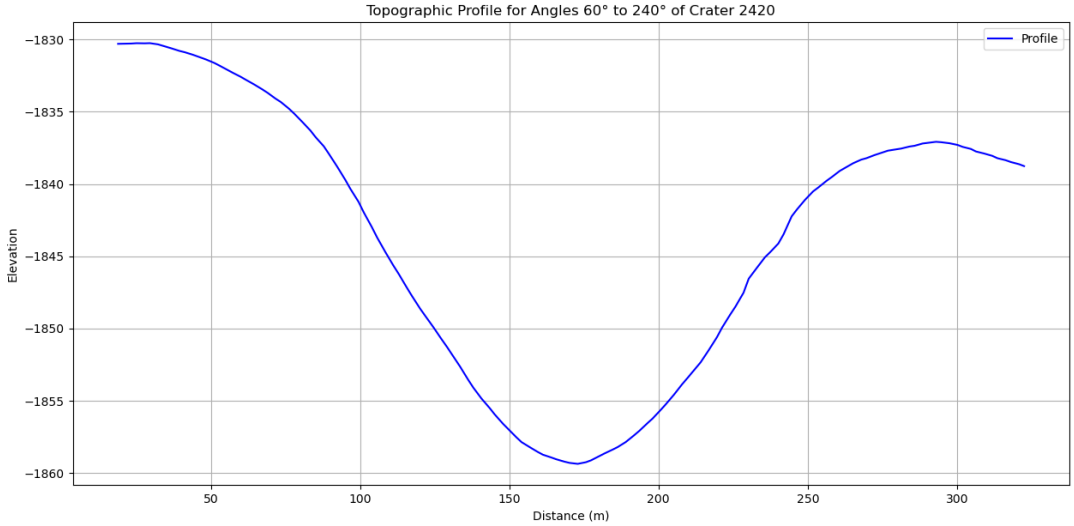
−1835
−1840
−1845
−1850
−1855
−1860
50
100
150
200
250
300
350


Topographic Profile for Angles 60° to 240° of Crater 2420
Profile
Elevation
Distance (m)
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−1835
−1840
−1845
−1850
−1855
−1860
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100
150
200
250
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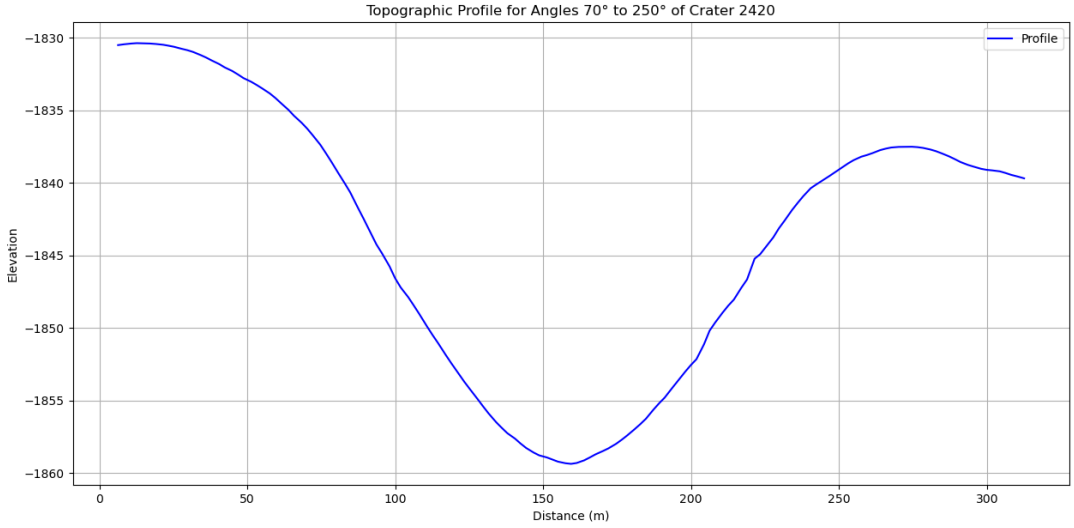
Topographic Profile for Angles 70° to 250° of Crater 2420
Profile
Elevation
Distance (m)
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−1835
−1840
−1845
−1850
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−1860
0
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100
150
200
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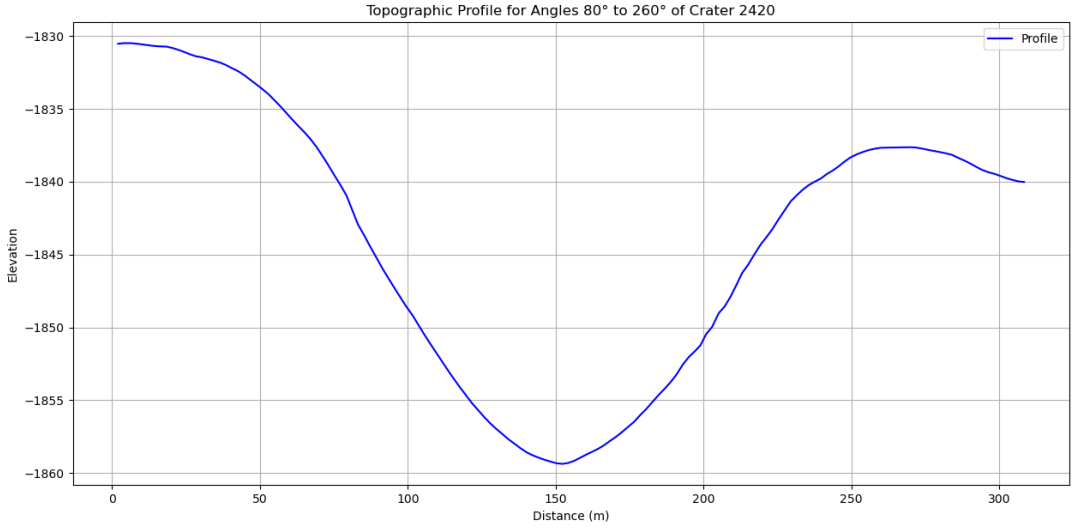
Topographic Profile for Angles 80° to 260° of Crater 2420
Profile
Elevation
Distance (m)
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−1835
−1840
−1845
−1850
−1855
−1860
0
50
100
150
200
250
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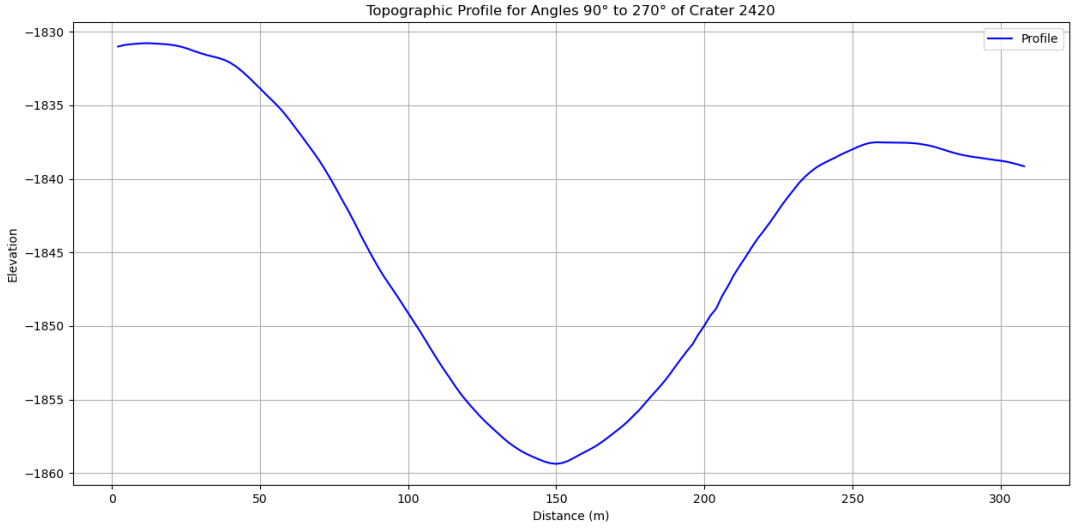
Topographic Profile for Angles 90° to 270° of Crater 2420
Profile
Elevation
Distance (m)
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−1835
−1840
−1845
−1850
−1855
−1860
0
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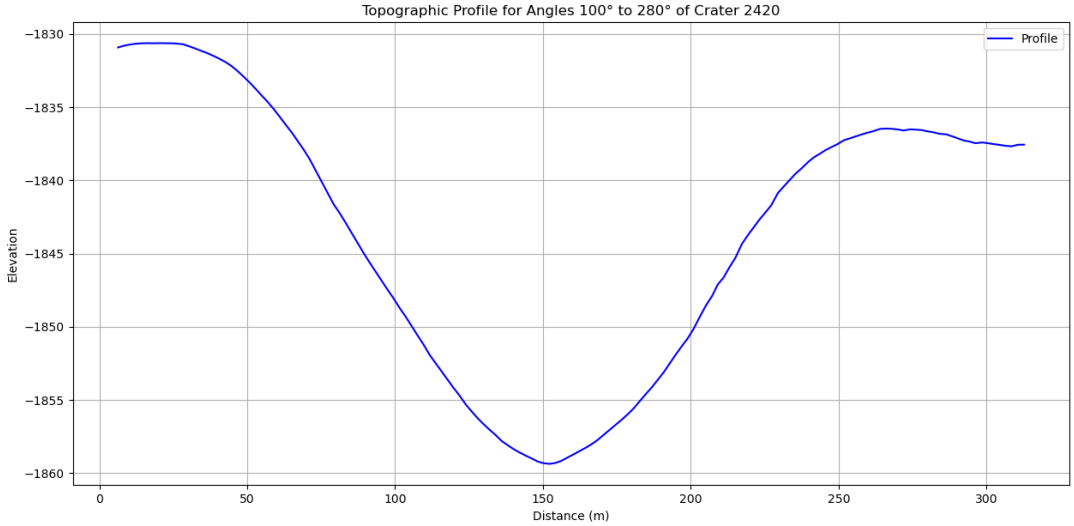
Topographic Profile for Angles 100° to 280° of Crater 2420
Profile
Elevation
Distance (m)
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−1835
−1840
−1845
−1850
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−1860
0
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100
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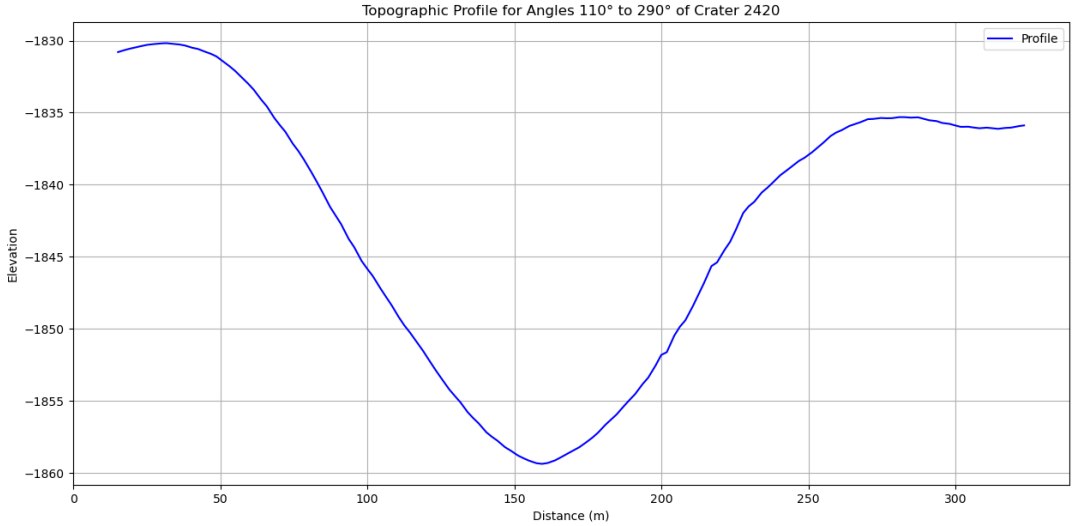
Topographic Profile for Angles 110° to 290° of Crater 2420
Profile
Elevation
Distance (m)
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−1835
−1840
−1845
−1850
−1855
−1860
0
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100
150
200
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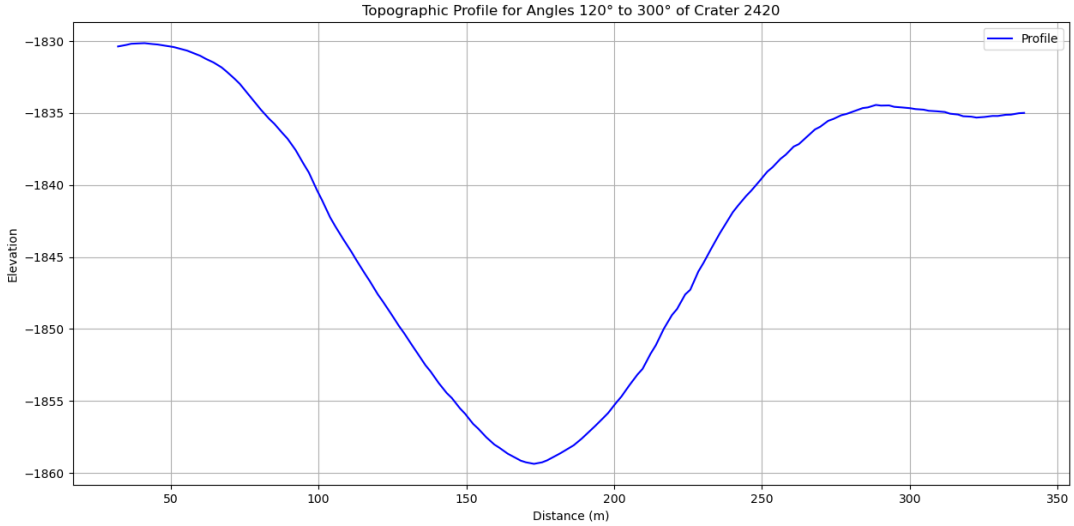
Topographic Profile for Angles 120° to 300° of Crater 2420
Profile
Elevation
Distance (m)
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−1835
−1840
−1845
−1850
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−1860
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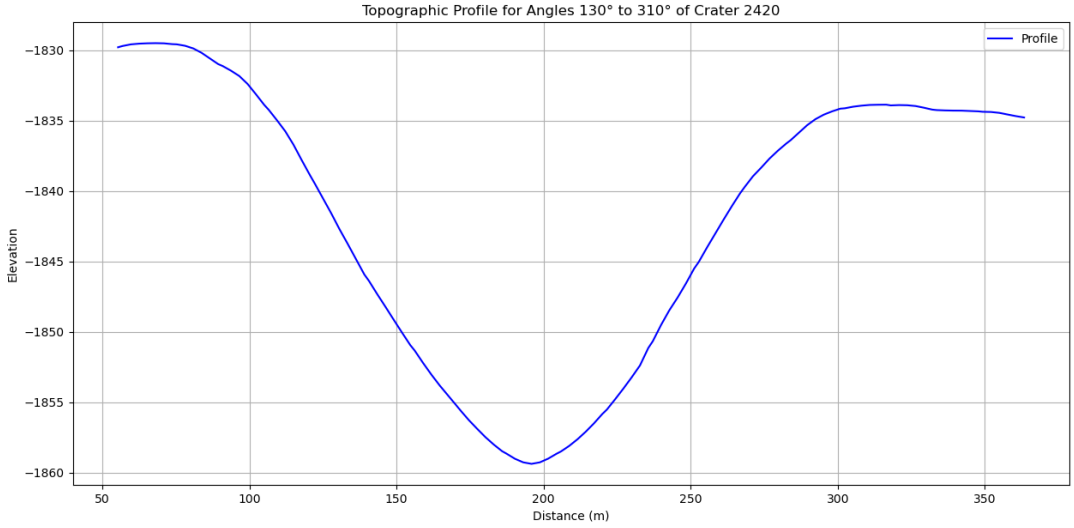
Topographic Profile for Angles 130° to 310° of Crater 2420
Profile
Elevation
−1830
−1835
−1840
−1845
−1850
−1855
−1860
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100
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300
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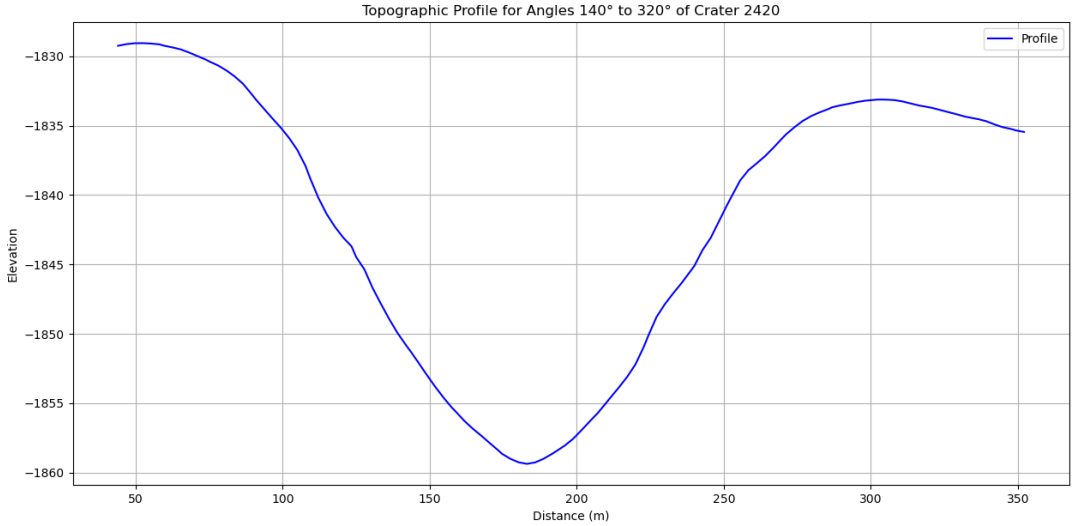
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 2420
Profile
Elevation
−1830
−1835
−1840
−1845
−1850
−1855
−1860
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300
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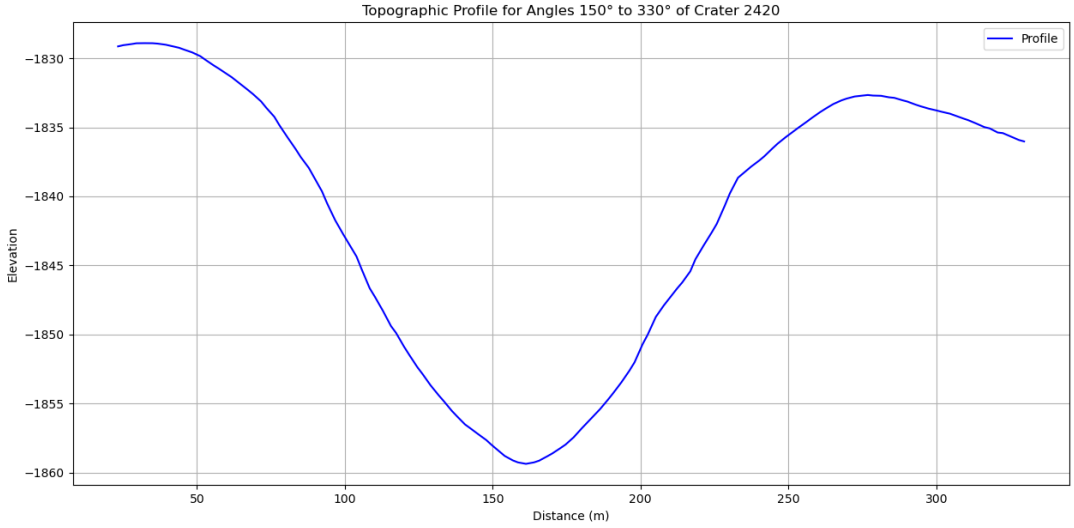
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 2420
Profile
Elevation
Distance (m)
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−1835
−1840
−1845
−1850
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−1860
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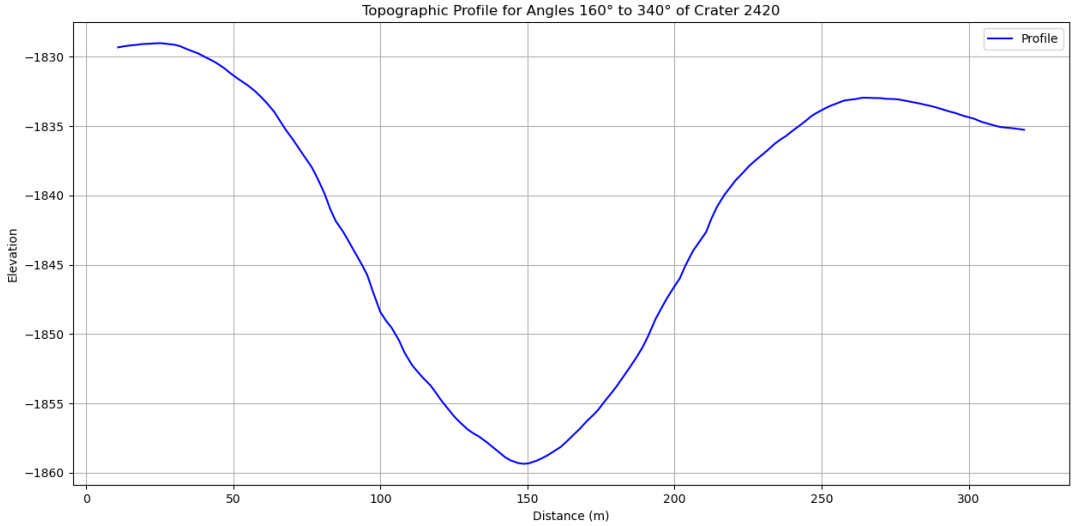
Topographic Profile for Angles 160° to 340° of Crater 2420
Profile
Elevation
Distance (m)
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−1845
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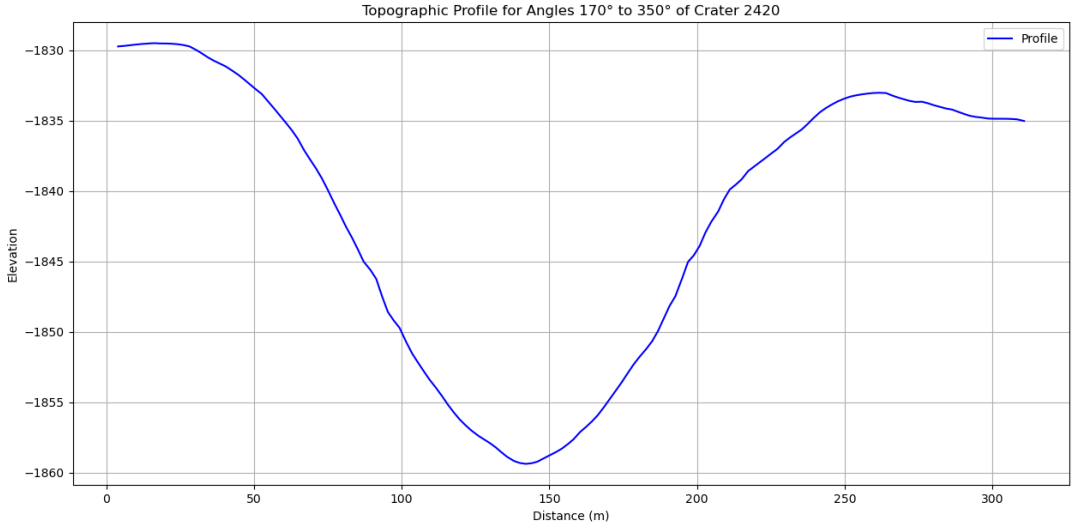
Topographic Profile for Angles 170° to 350° of Crater 2420
Profile
Elevation
−1830
−1835
−1840
−1845
−1850
−1855
−1860
0
50
100
150
200
250
300
Distance (m)