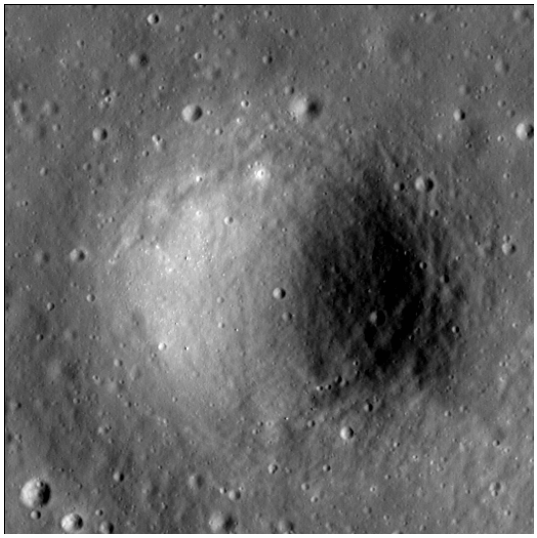
Crater report 2420 of RG2

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

Slope : Between 15.23° et 19.93°

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)

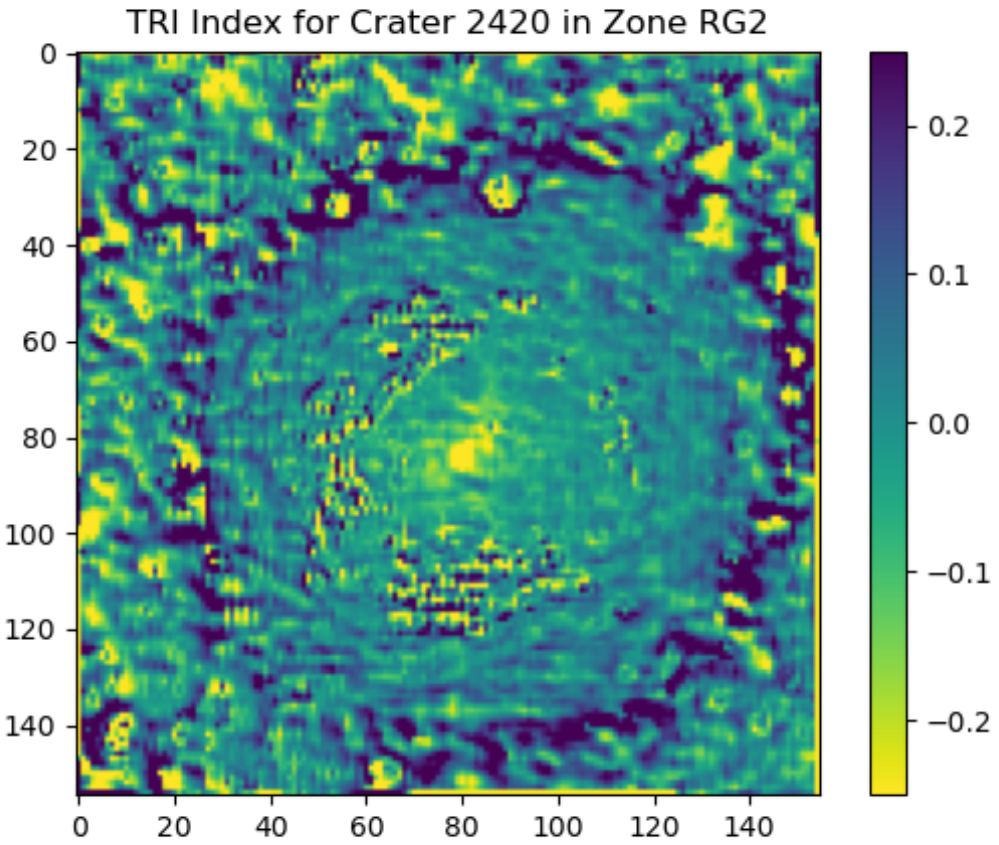
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	17.64	0.56
10°	17.11	0.54
20°	16.73	0.5
30°	15.58	0.48
40°	16.64	0.43
50°	17.1	0.42
60°	16.76	0.47
70°	16.93	0.51
80°	17.47	0.53
90°	18.05	0.56
100°	16.84	0.53
110°	16.35	0.51

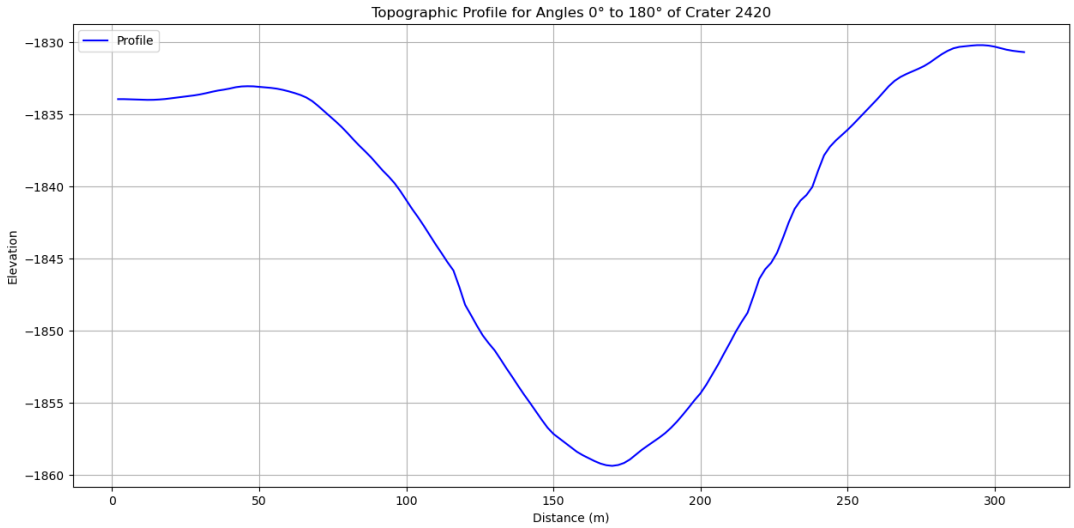
120°	16.56	0.47
130°	18.33	0.42
140°	19.06	0.42
150°	18.78	0.47
160°	19.45	0.5
170°	19.82	0.53
180°	19.93	0.55
190°	19.78	0.53
200°	18.49	0.5
210°	16.99	0.48
220°	16.82	0.43
230°	16.48	0.43
240°	15.97	0.48
250°	15.23	0.5
260°	15.61	0.54
270°	16.37	0.56
280°	16.14	0.53
290°	15.92	0.51
300°	16.18	0.47
310°	17.96	0.43
320°	18.76	0.43
330°	17.92	0.47
340°	18.23	0.5
350°	17.8	0.53

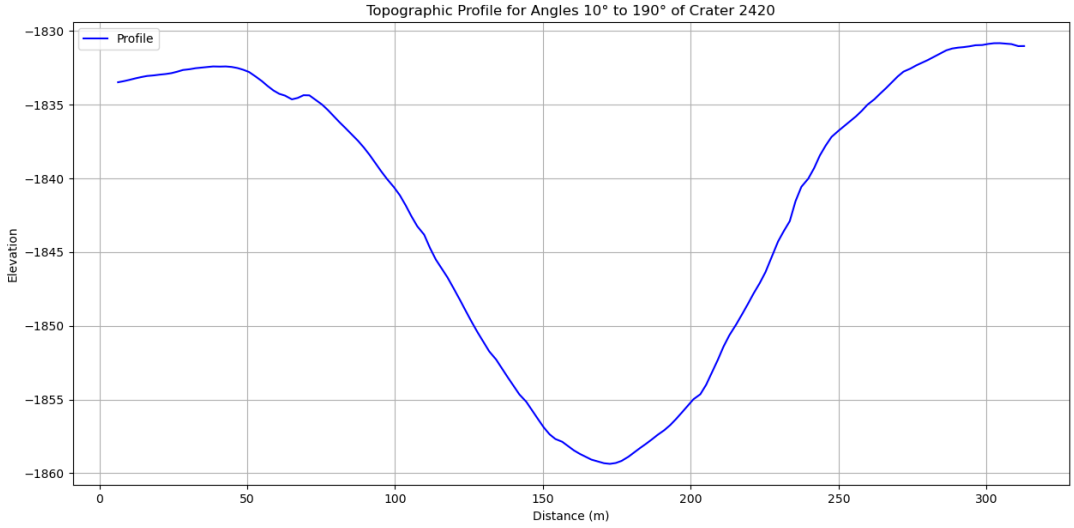
Topographic roughness index (TRI)

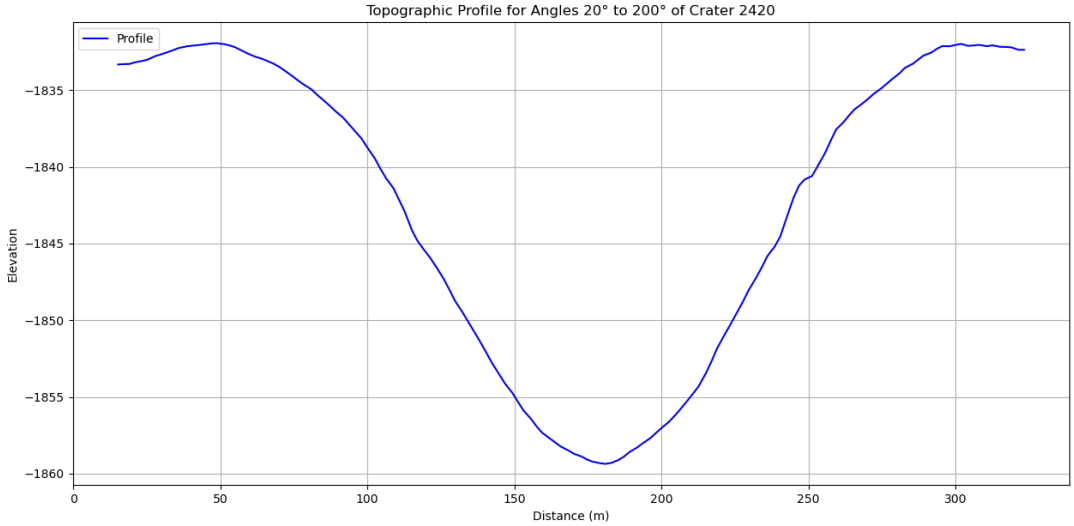
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.



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)
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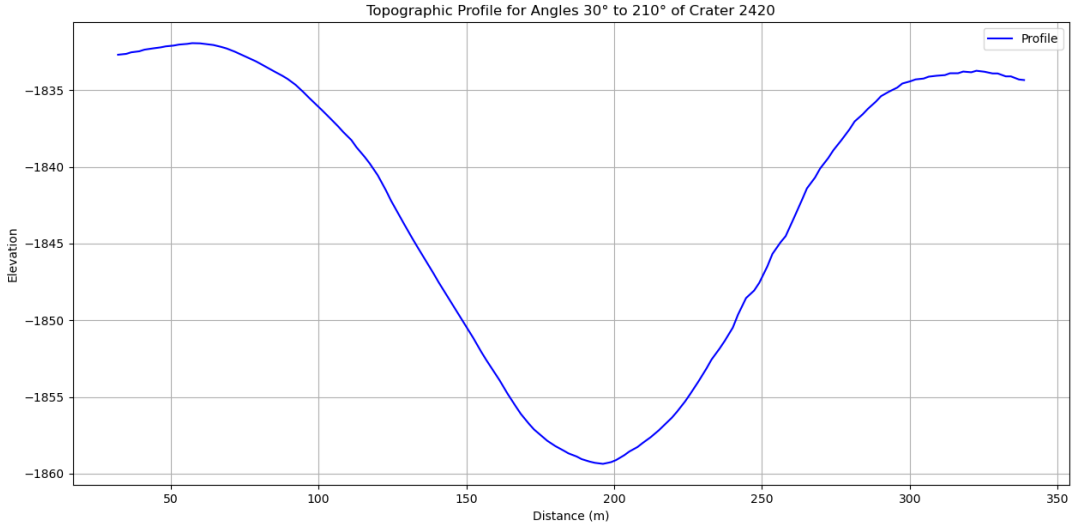
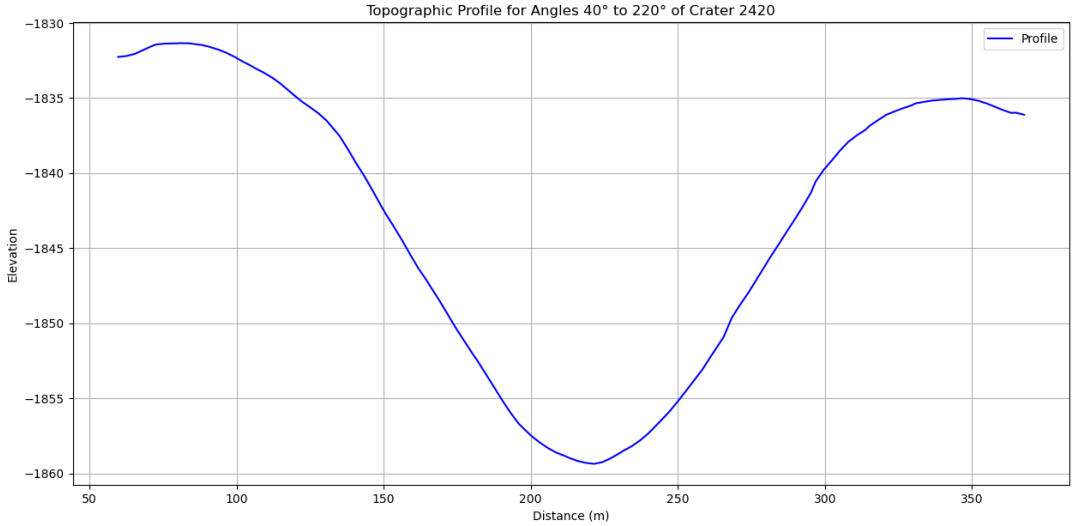
−1840
−1845
−1850
−1855
−1860
0
50
100
150
200
250
300


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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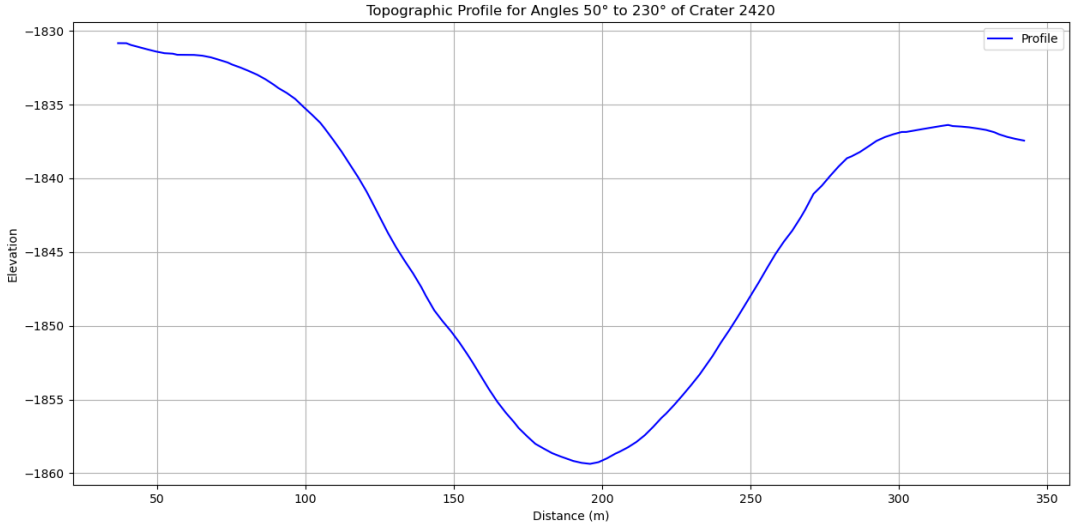
−1840
−1845
−1850
−1855
−1860
50
100
150
200
250
300
350


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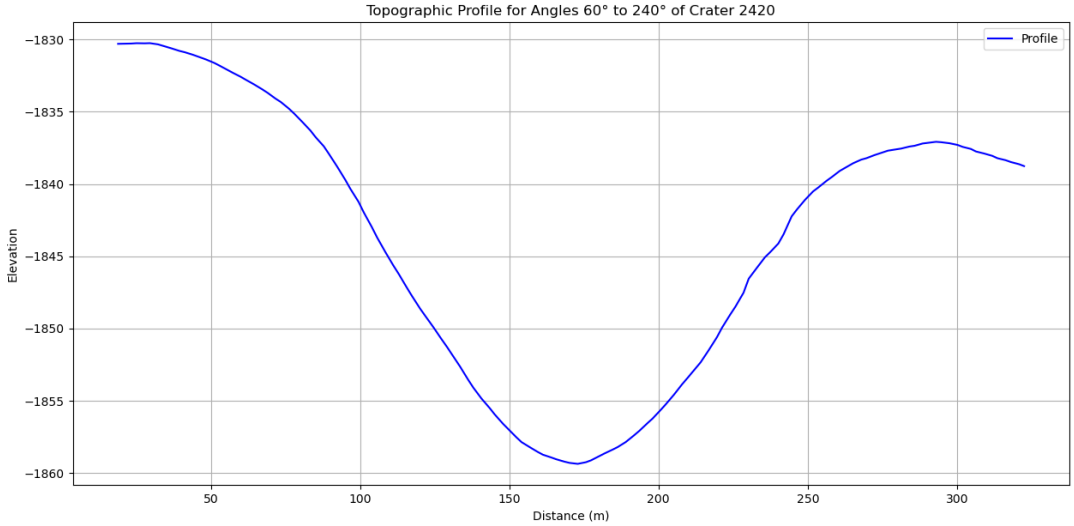
−1835
−1840
−1845
−1850
−1855
−1860
50
100
150
200
250
300
350


Topographic Profile for Angles 60° to 240° of Crater 2420
Profile
Elevation
Distance (m)
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−1835
−1840
−1845
−1850
−1855
−1860
50
100
150
200
250
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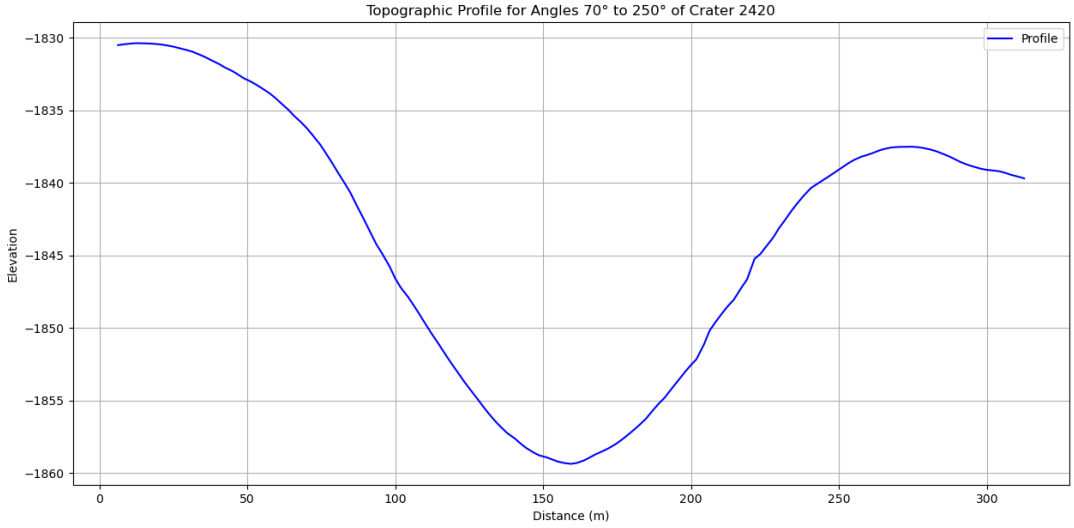
Topographic Profile for Angles 70° to 250° of Crater 2420
Profile
Elevation
Distance (m)
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−1840
−1845
−1850
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0
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100
150
200
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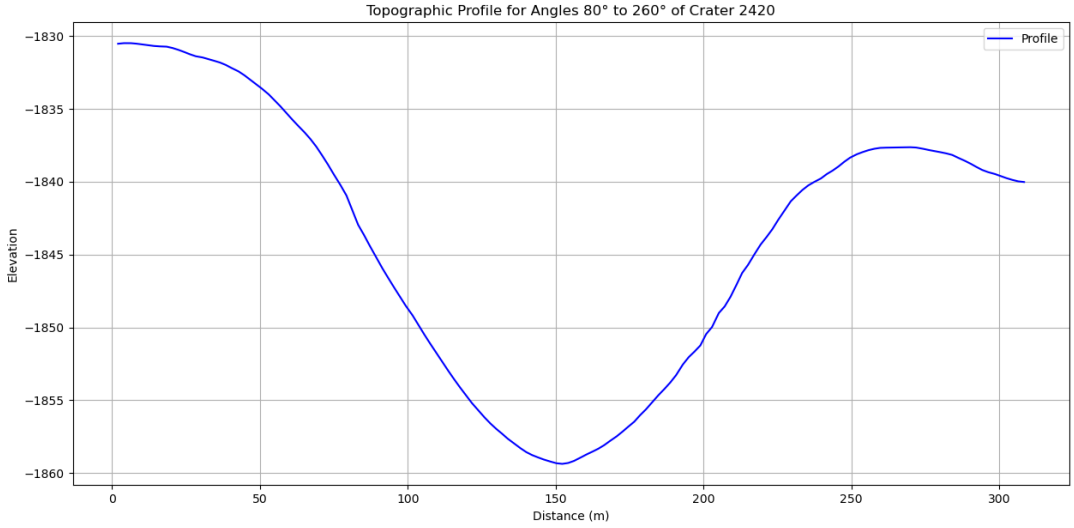
Topographic Profile for Angles 80° to 260° of Crater 2420
Profile
Elevation
Distance (m)
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−1835
−1840
−1845
−1850
−1855
−1860
0
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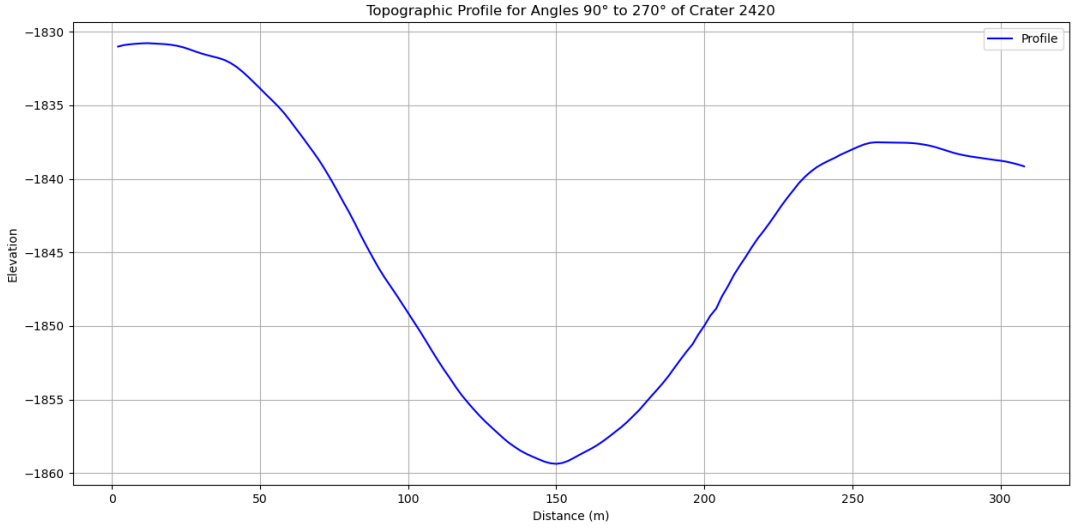
100
150
200
250
300


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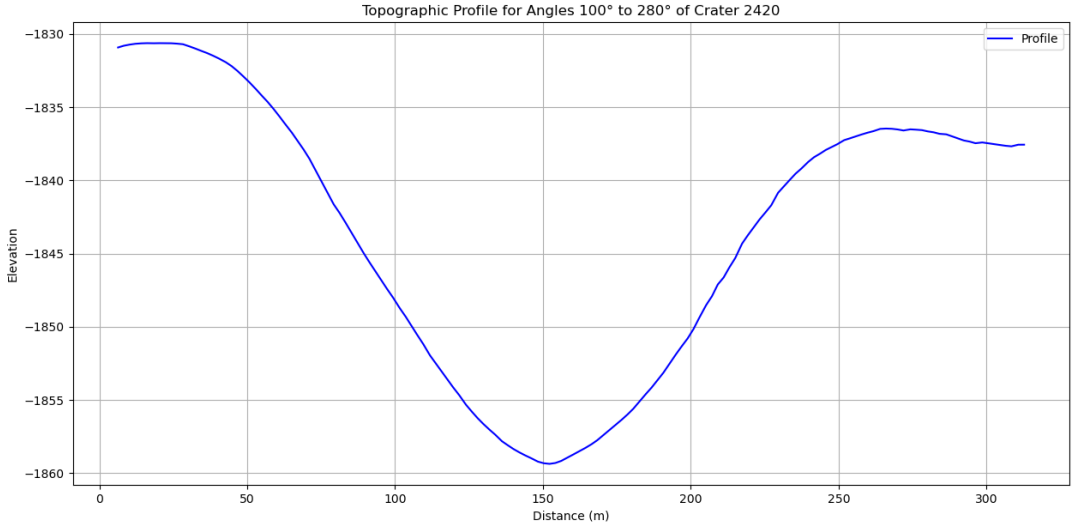
Topographic Profile for Angles 100° to 280° of Crater 2420
Profile
Elevation
Distance (m)
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−1835
−1840
−1845
−1850
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−1860
0
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100
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250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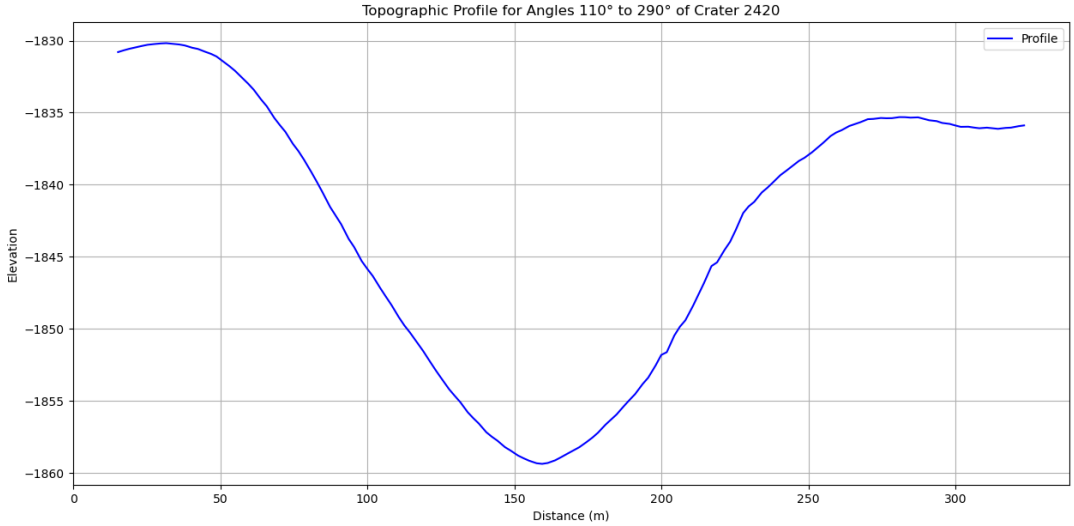
Topographic Profile for Angles 110° to 290° of Crater 2420
Profile
Elevation
Distance (m)
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−1835
−1840
−1845
−1850
−1855
−1860
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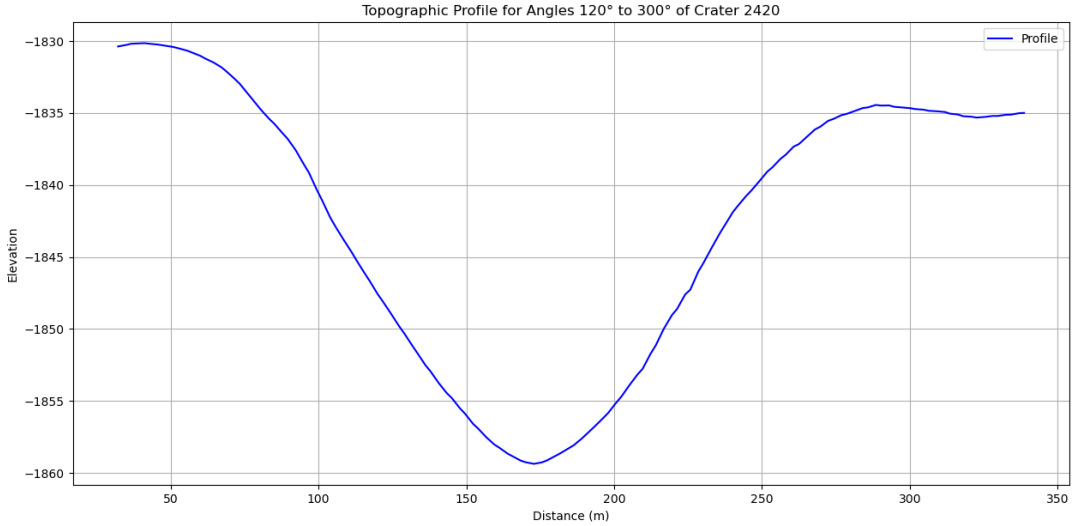
Topographic Profile for Angles 120° to 300° of Crater 2420
Profile
Elevation
Distance (m)
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−1835
−1840
−1845
−1850
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−1860
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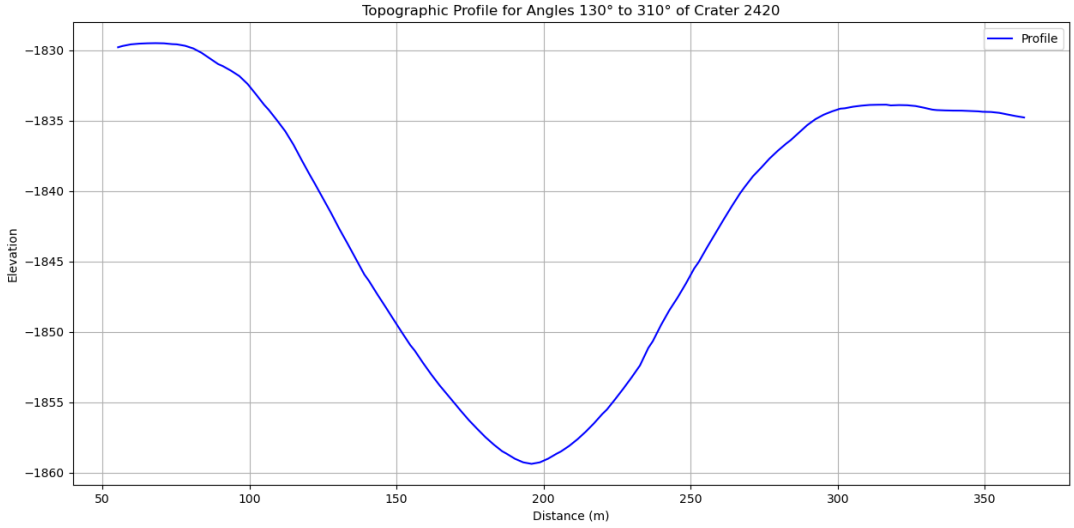
Topographic Profile for Angles 130° to 310° of Crater 2420
Profile
Elevation
−1830
−1835
−1840
−1845
−1850
−1855
−1860
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150
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250
300
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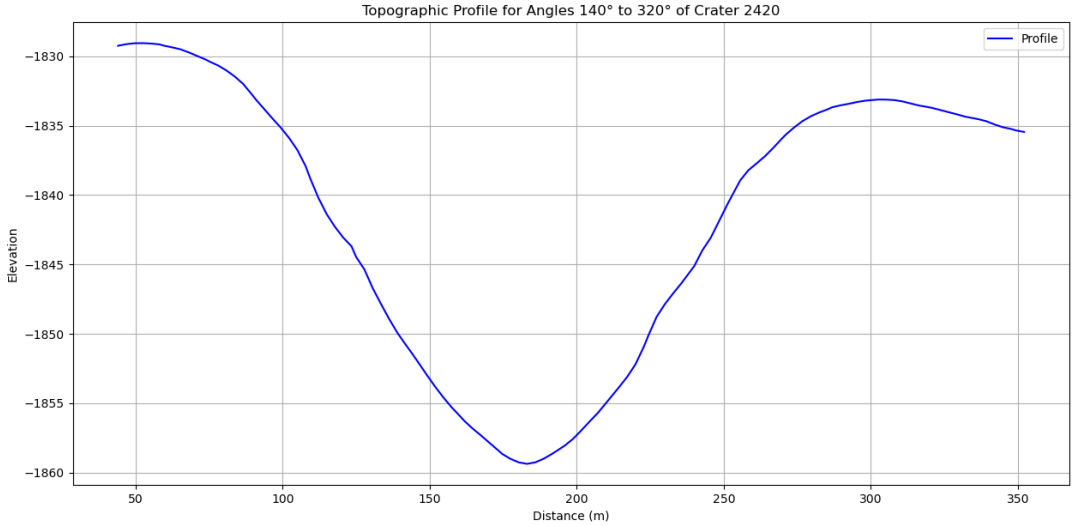
Distance (m)


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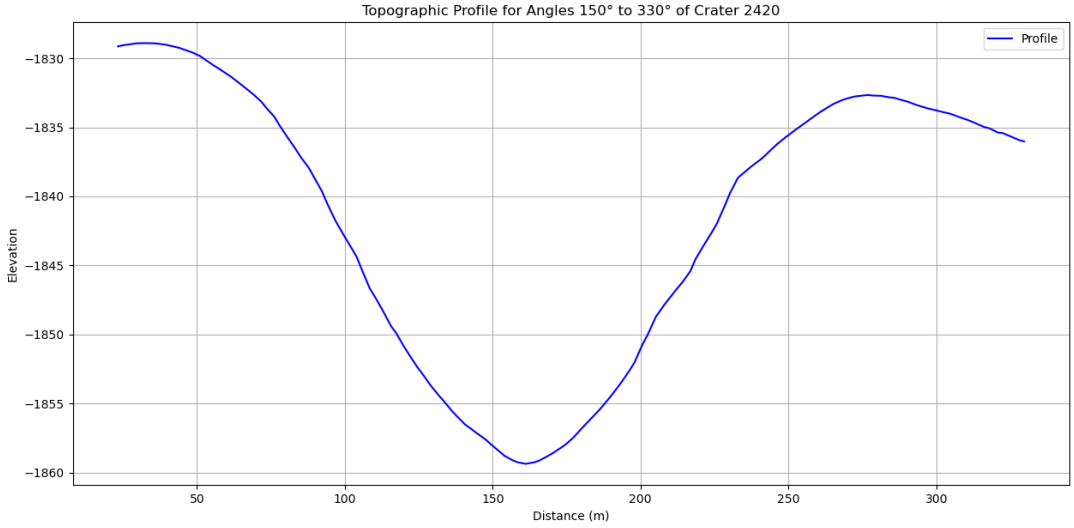
Distance (m)


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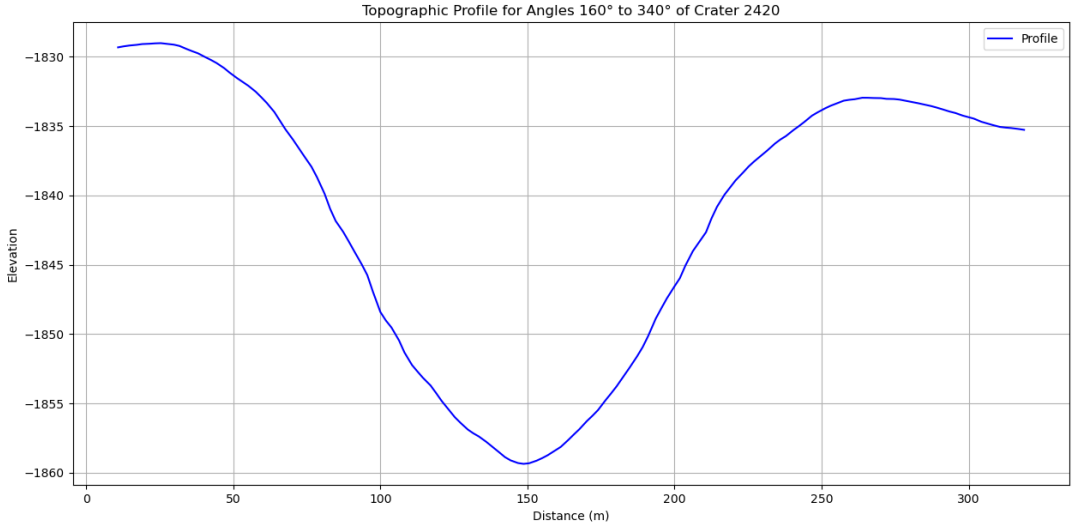
Topographic Profile for Angles 160° to 340° of Crater 2420
Profile
Elevation
Distance (m)
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−1840
−1845
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−1860
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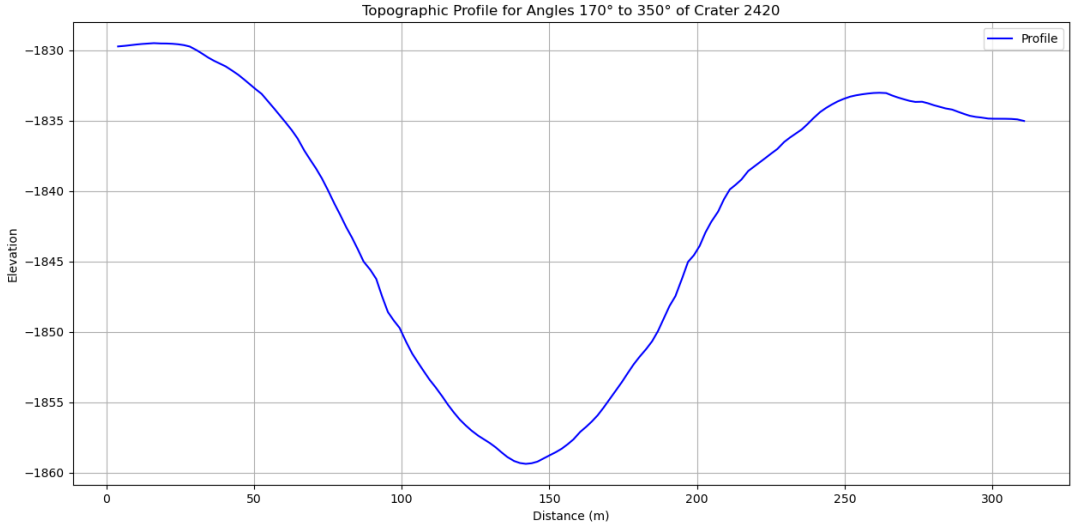
Topographic Profile for Angles 170° to 350° of Crater 2420
Profile
Elevation
−1830
−1835
−1840
−1845
−1850
−1855
−1860
0
50
100
150
200
250
300
Distance (m)