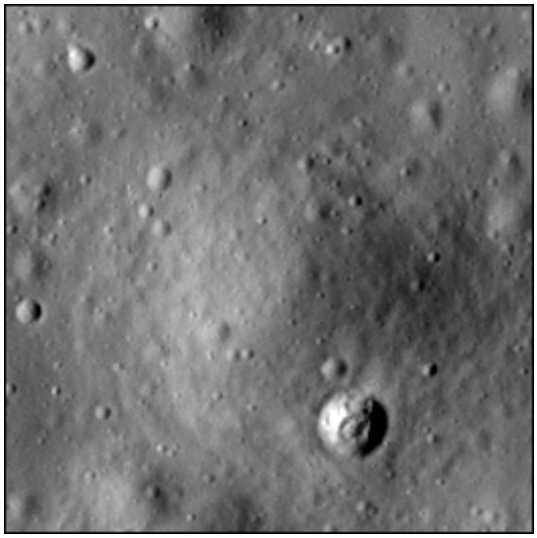
Crater report 2171 of RG2

General information



ID : 2171

Study area : RG2

Swirl : off-swirl

Morphology : Bowl-shaped

Estimate state of degradation : BC - C

Mean Diameter : 134m ± 7.0m

Mean depht : 9.9m ± 0.3m

d/D ratio : 0.074 ± 0.005

Circularity index : 0.92

Slope : Between 8.87° et 12.64°

Mean value of TRI on the rim crest : 0.18

Geometric center coordinates : (3658562.704587139, 219672.8469906741)

Coordinates of the crater's lowest point : (3658563.000001101, 219675.00000006479)

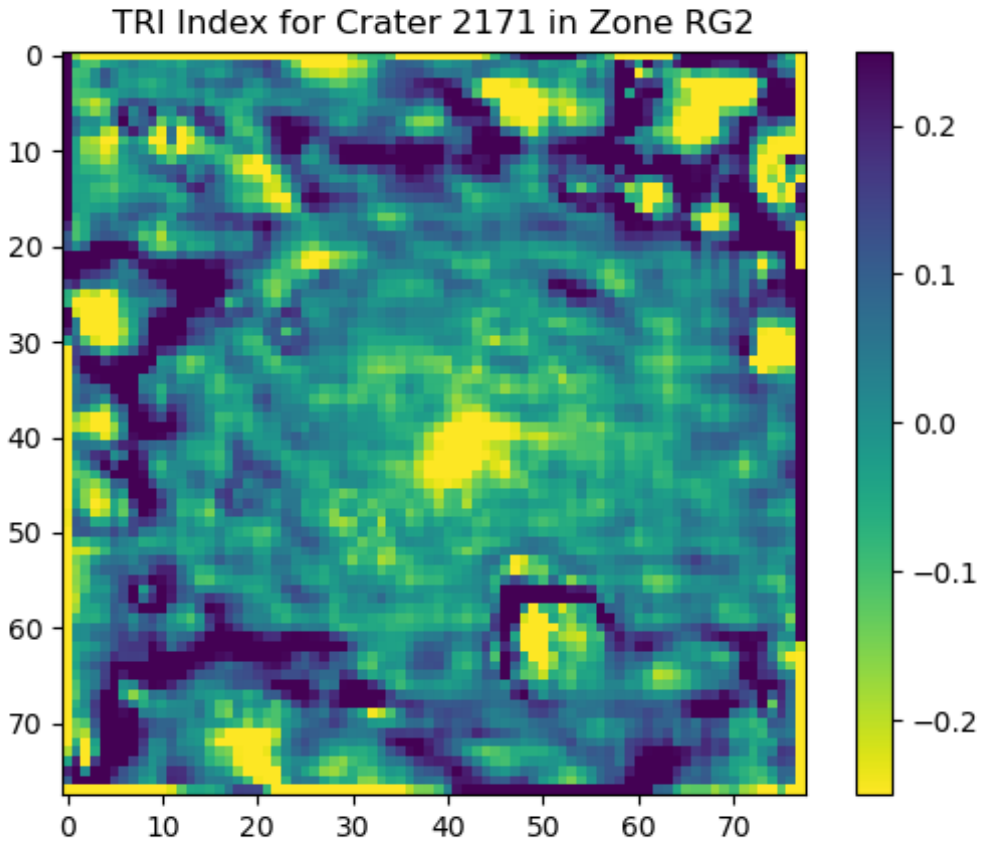
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	12.17	0.57
10°	11.92	0.55
20°	11.66	0.52
30°	12.16	0.47
40°	12.64	0.44
50°	11.2	0.44
60°	9.25	0.48
70°	8.87	0.52
80°	9.42	0.55
90°	10.39	0.57
100°	9.61	0.55
110°	9.53	0.51

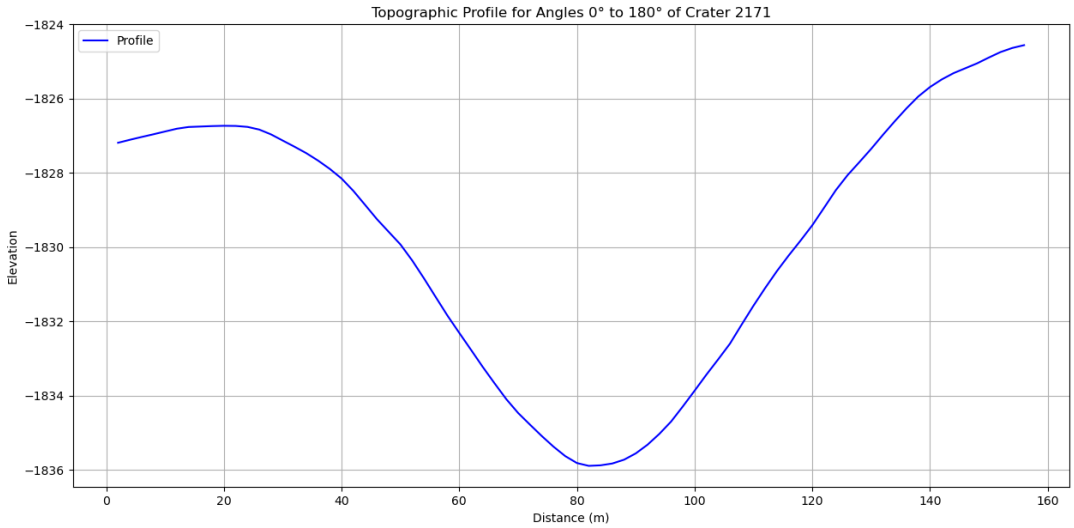
120°	9.88	0.48
130°	10.64	0.43
140°	11.45	0.43
150°	9.1	0.48
160°	9.7	0.52
170°	11.04	0.54
180°	12.14	0.57
190°	12.25	0.54
200°	11.25	0.52
210°	11.39	0.49
220°	12.3	0.44
230°	12.49	0.44
240°	11.21	0.48
250°	11.43	0.51
260°	11.76	0.53
270°	11.36	0.57
280°	10.76	0.54
290°	9.83	0.52
300°	9.99	0.47
310°	10.22	0.44
320°	10.93	0.42
330°	10.31	0.48
340°	10.74	0.51
350°	11.54	0.54

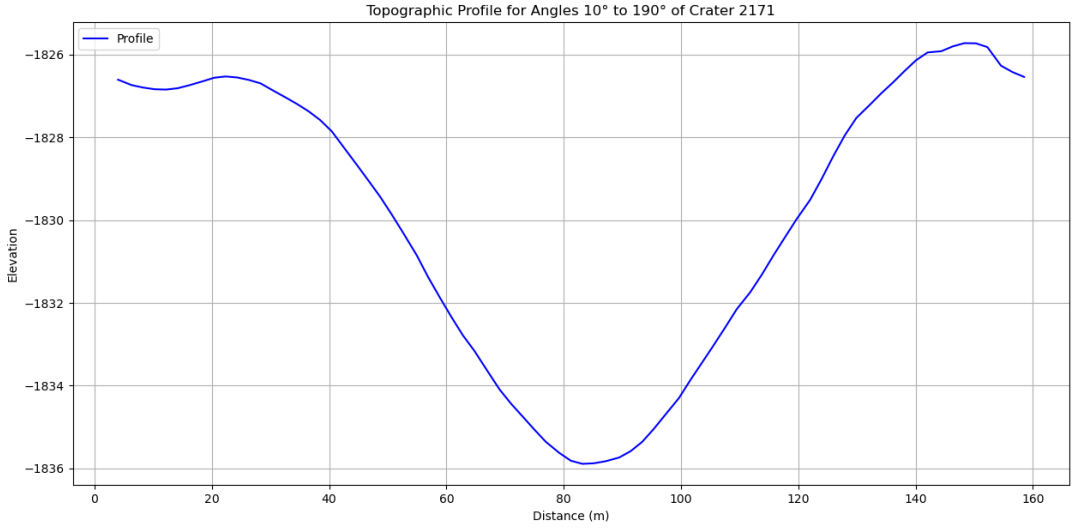
Topographic roughness index (TRI)

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 2171
Profile
Elevation
Distance (m)
−1826
−1828
−1830
−1832
−1834
−1836
0
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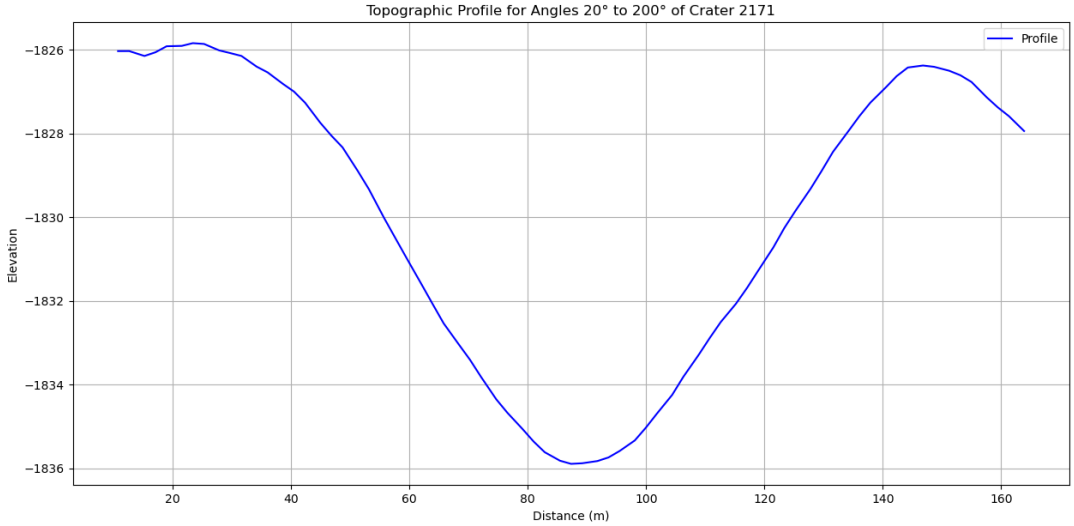
120
140
160


Topographic Profile for Angles 20° to 200° of Crater 2171
Profile
Elevation
Distance (m)
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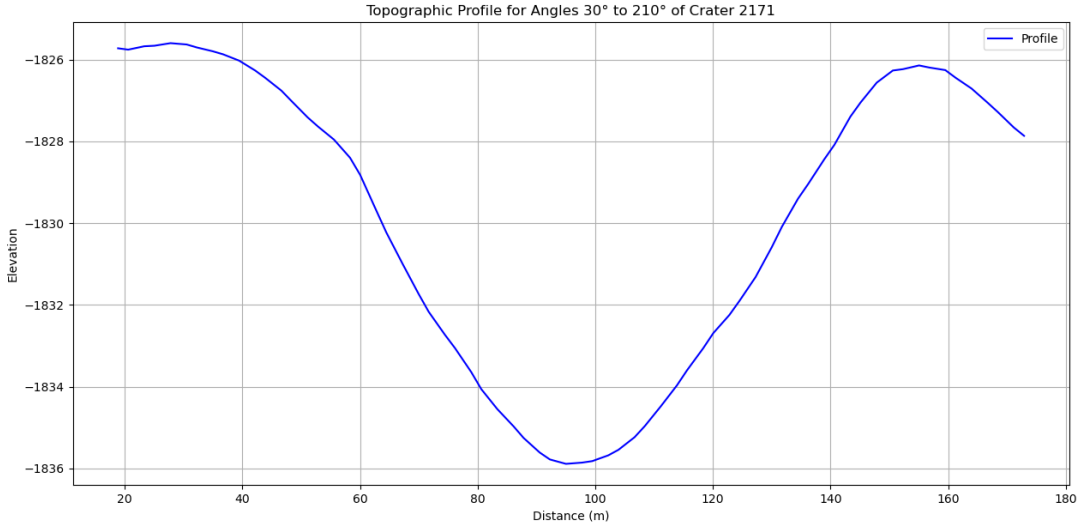
−1828
−1830
−1832
−1834
−1836
20
40
60
80
100
120
140
160


Topographic Profile for Angles 30° to 210° of Crater 2171
Profile
Elevation
Distance (m)
−1826
−1828
−1830
−1832
−1834
−1836
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40
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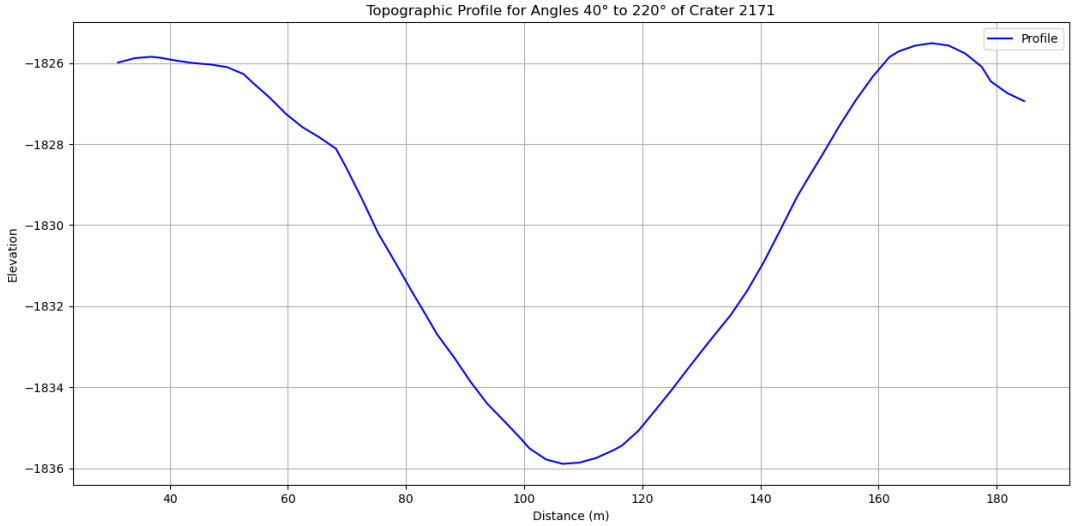
80
100
120
140
160
180


Topographic Profile for Angles 40° to 220° of Crater 2171
Profile
Elevation
Distance (m)
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−1828
−1830
−1832
−1834
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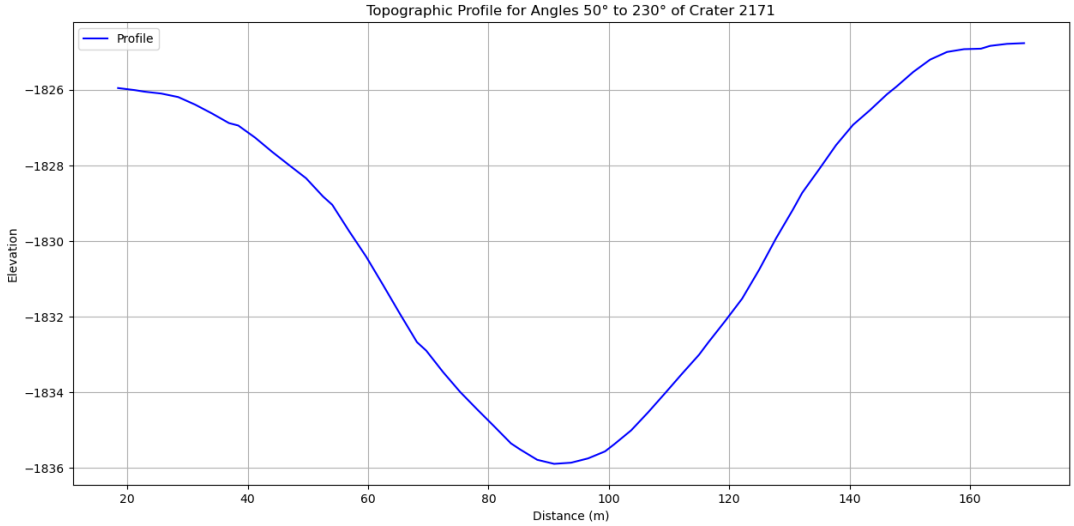
80
100
120
140
160
180


Topographic Profile for Angles 50° to 230° of Crater 2171
Profile
Elevation
−1826
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−1830
−1832
−1834
−1836
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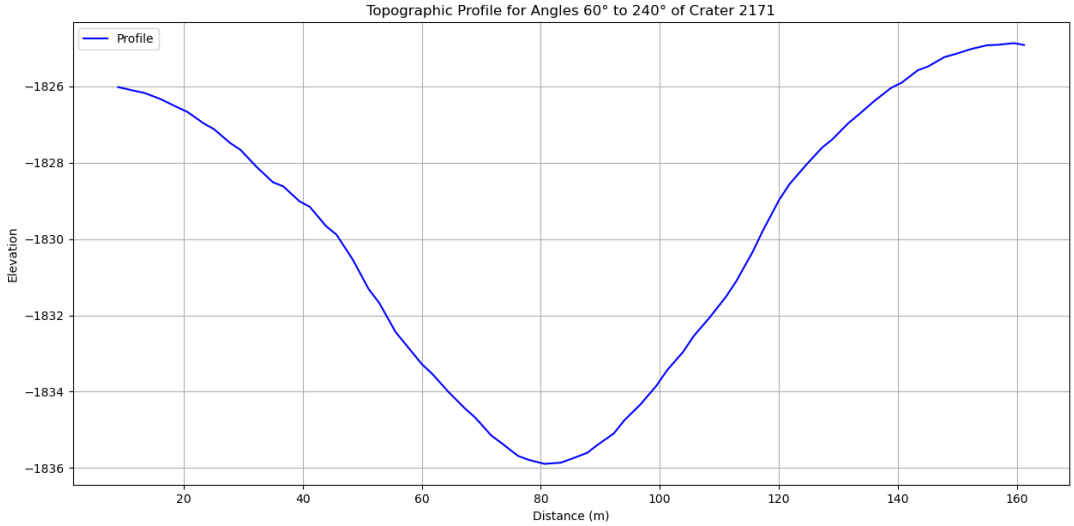
60
80
100
120
140
160
Distance (m)


Topographic Profile for Angles 60° to 240° of Crater 2171
Profile
Elevation
−1826
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−1830
−1832
−1834
−1836
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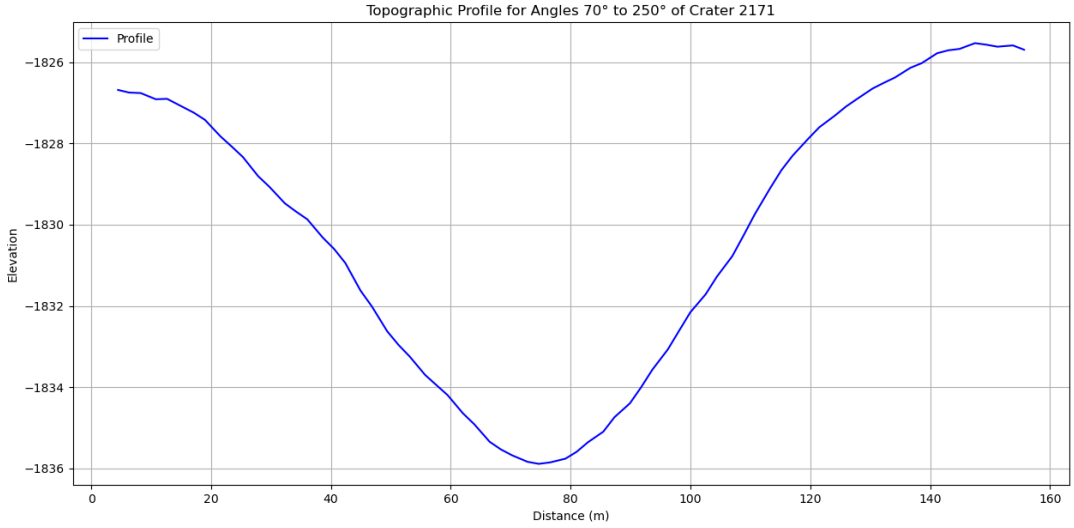
100
120
140
160
Distance (m)


Topographic Profile for Angles 70° to 250° of Crater 2171
Profile
Elevation
Distance (m)
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−1828
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−1834
−1836
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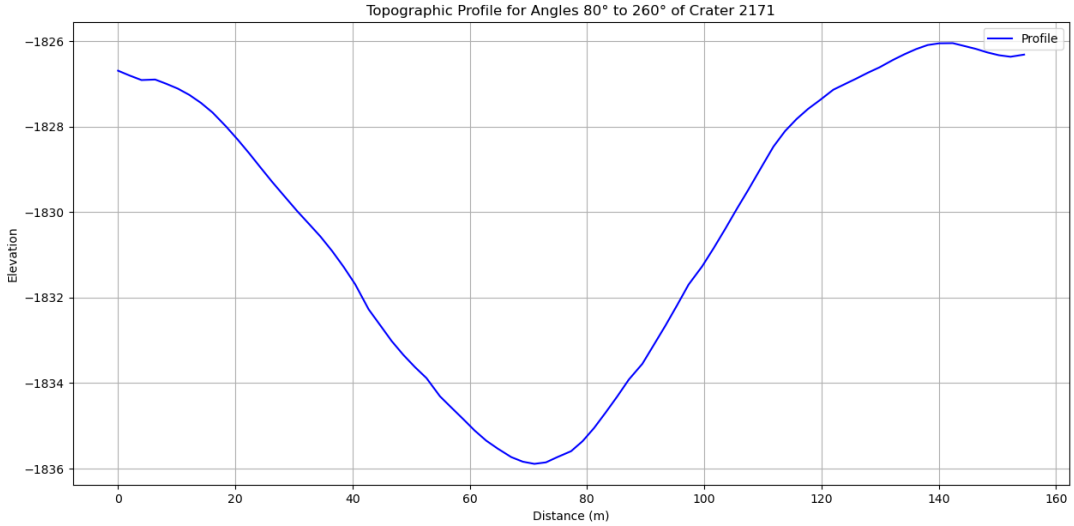
Topographic Profile for Angles 80° to 260° of Crater 2171
Profile
Elevation
Distance (m)
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−1830
−1832
−1834
−1836
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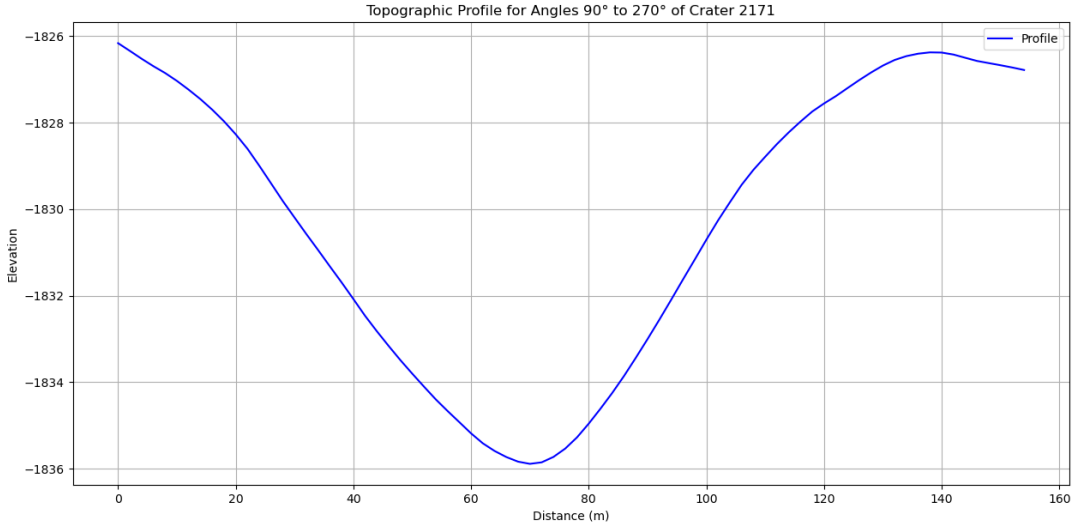
Topographic Profile for Angles 90° to 270° of Crater 2171
Profile
Elevation
Distance (m)
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−1828
−1830
−1832
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−1836
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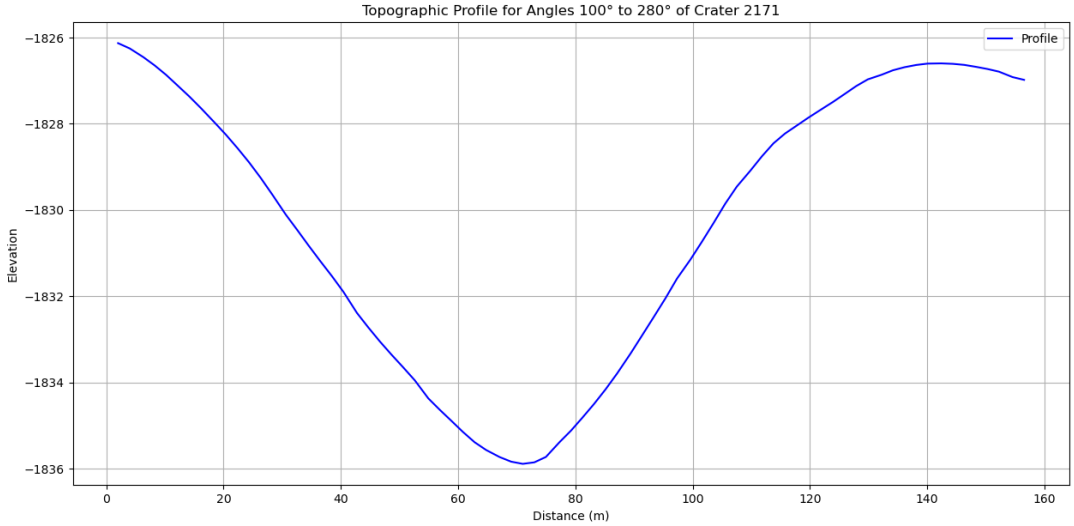
Topographic Profile for Angles 100° to 280° of Crater 2171
Profile
Elevation
Distance (m)
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−1828
−1830
−1832
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−1836
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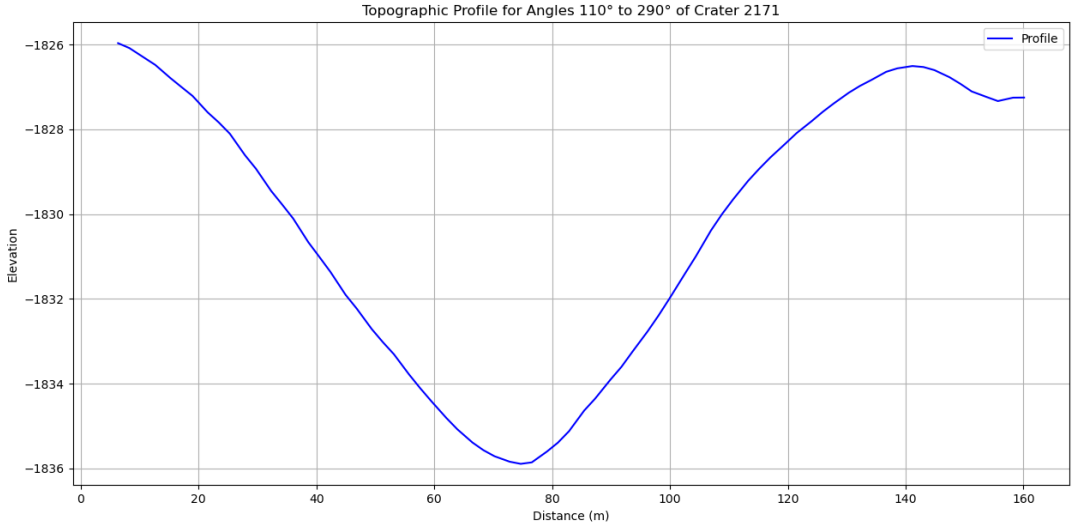
Topographic Profile for Angles 110° to 290° of Crater 2171
Profile
Elevation
Distance (m)
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−1830
−1832
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−1836
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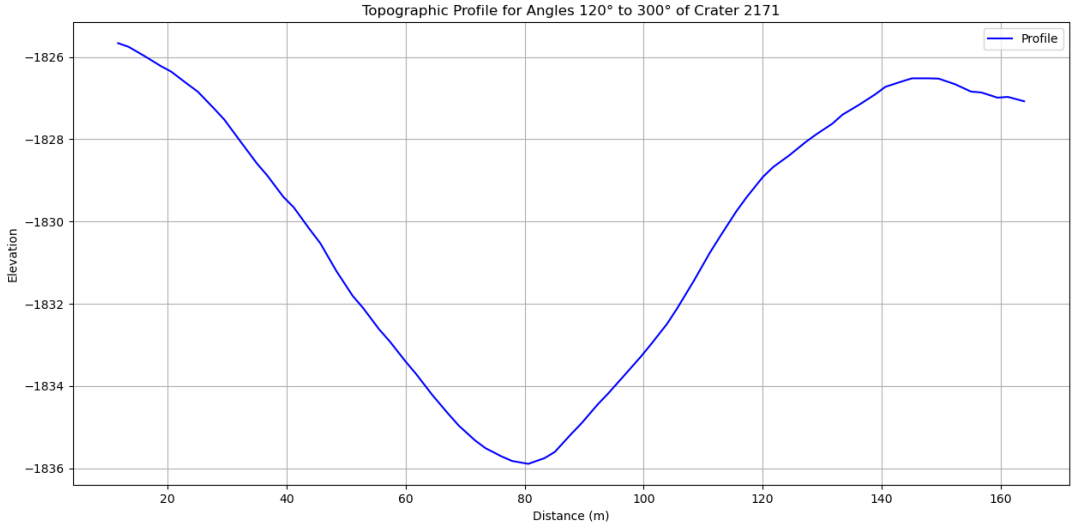
Topographic Profile for Angles 120° to 300° of Crater 2171
Profile
Elevation
Distance (m)
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−1828
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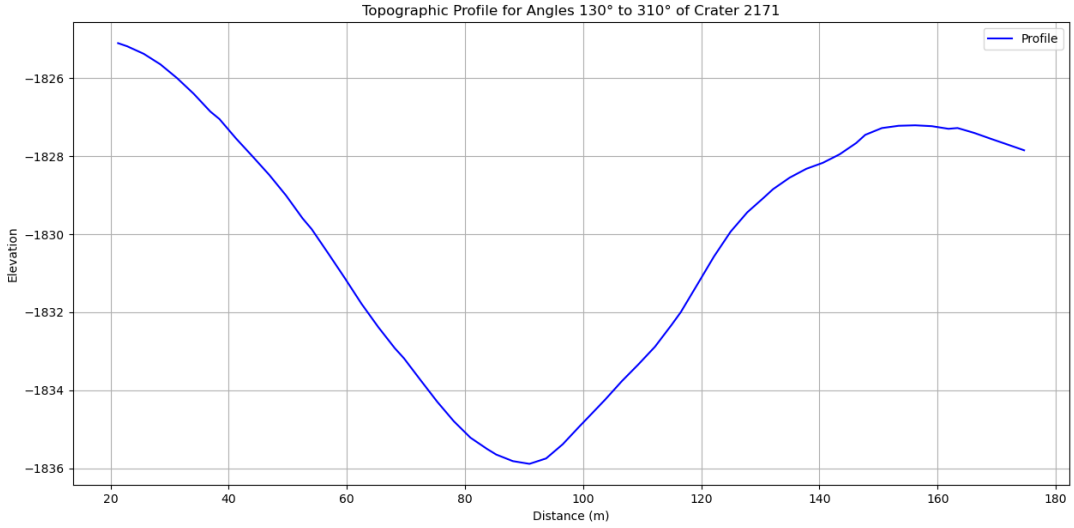
Topographic Profile for Angles 130° to 310° of Crater 2171
Profile
Elevation
−1826
−1828
−1830
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−1834
−1836
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160
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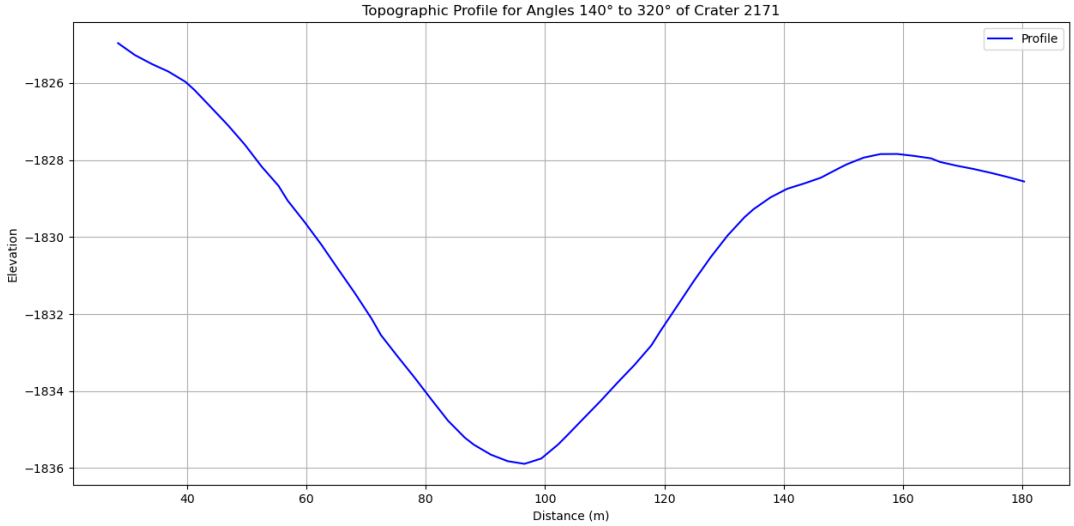
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 2171
Profile
Elevation
−1826
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−1830
−1832
−1834
−1836
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160
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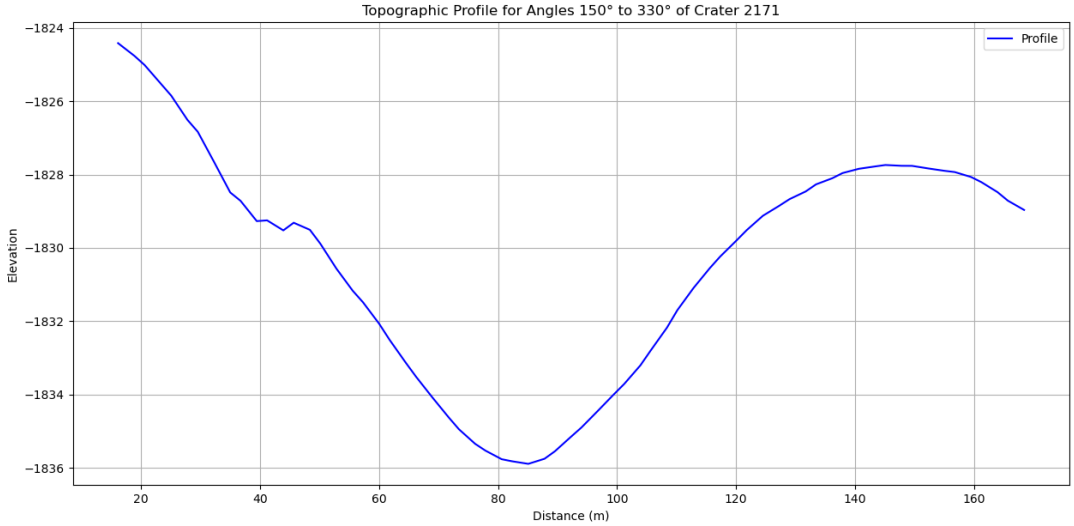
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 2171
Profile
Elevation
Distance (m)
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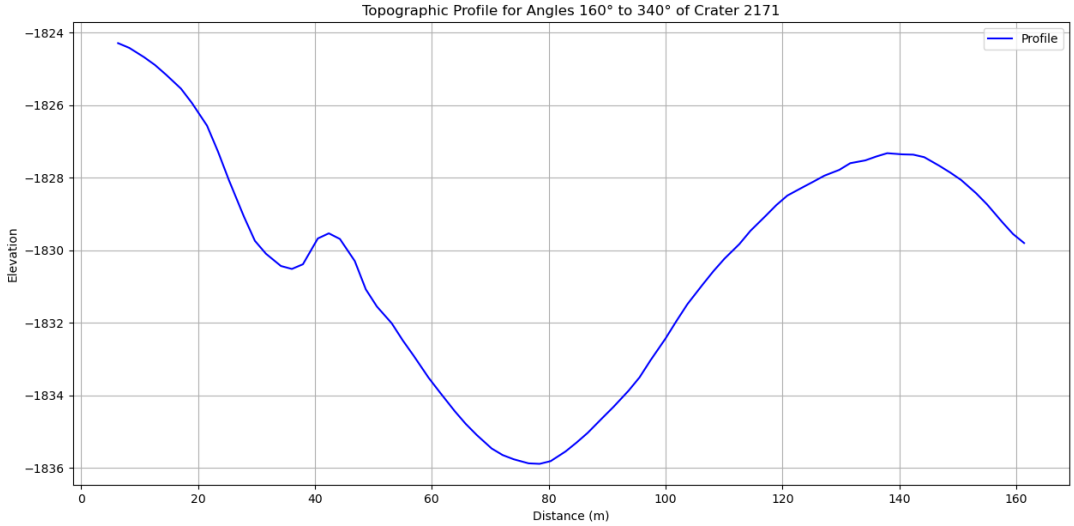
Topographic Profile for Angles 160° to 340° of Crater 2171
Profile
Elevation
Distance (m)
−1824
−1826
−1828
−1830
−1832
−1834
−1836
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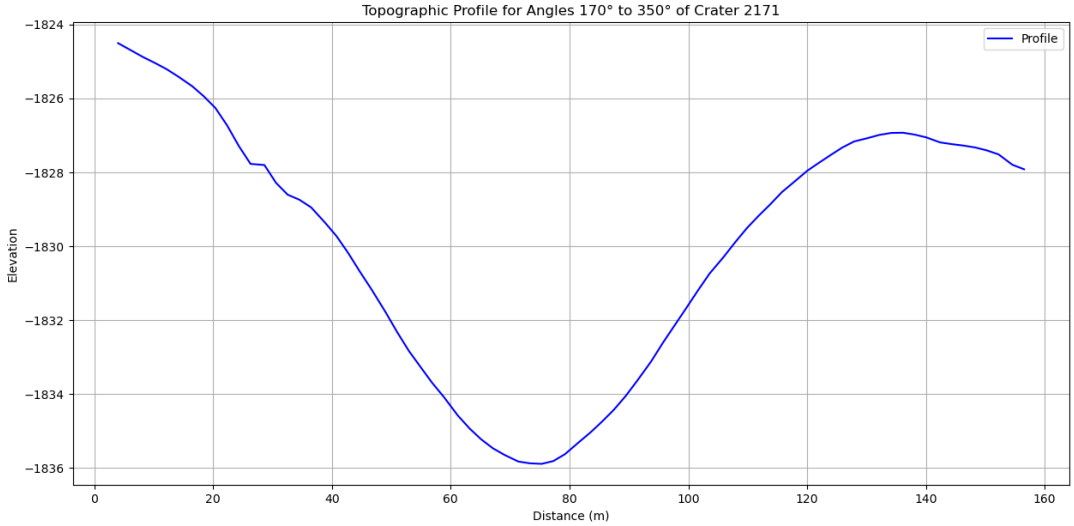
Topographic Profile for Angles 170° to 350° of Crater 2171
Profile
Elevation
Distance (m)
−1824
−1826
−1828
−1830
−1832
−1834
−1836
0
20
40
60
80
100
120
140
160