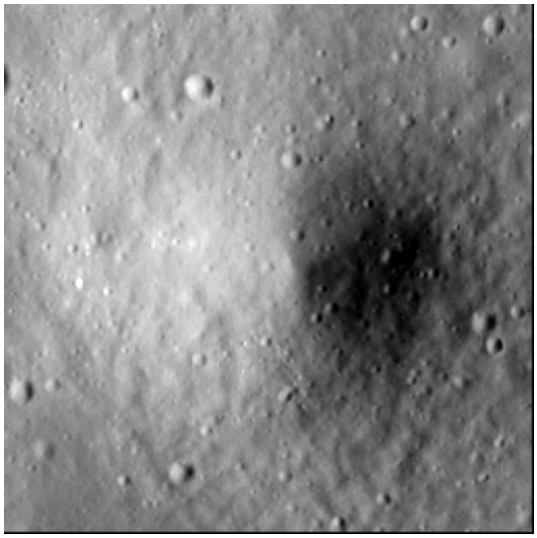
Crater report 1845 of RG2

General information



ID : 1845

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : B

Mean Diameter : 147m ± 4.0m

Mean depht : 17.4m ± 0.5m

d/D ratio : 0.118 ± 0.004

Circularity index : 0.98

Slope : Between 14.07° et 18.28°

Mean value of TRI on the rim crest : 0.03

Geometric center coordinates : (3659020.077348699, 221435.68321998089)

Coordinates of the crater's lowest point : (3659027.000001101, 221437.0000000653)

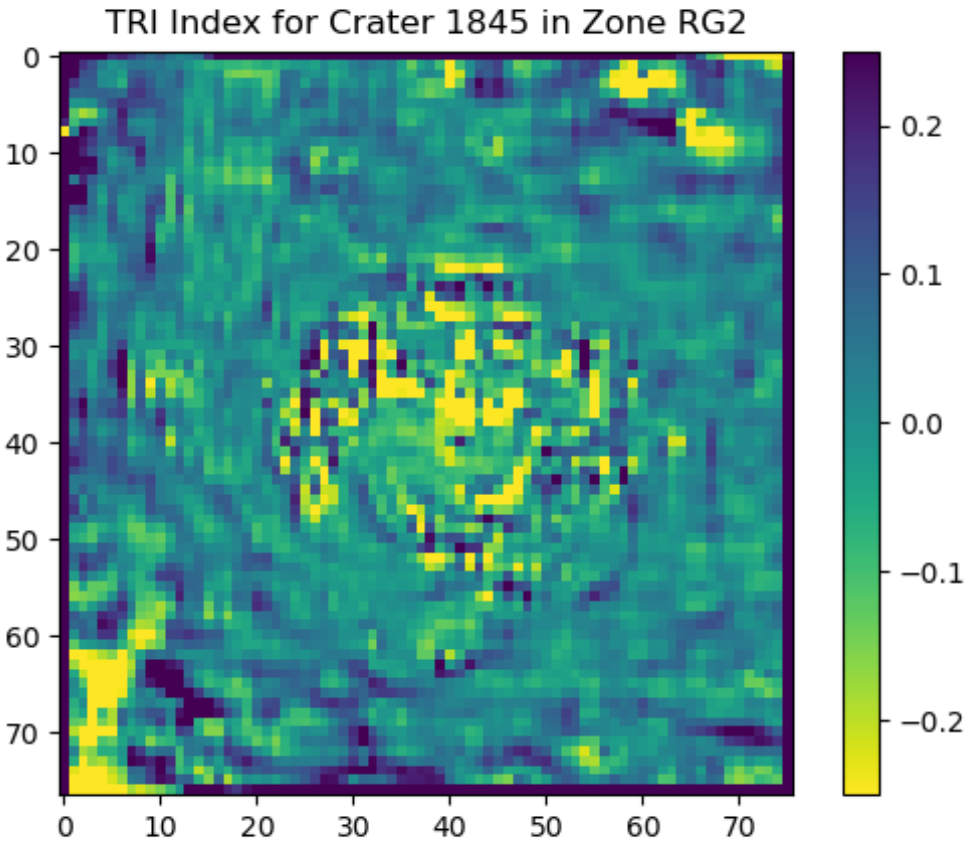
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	16.03	0.56
10°	15.2	0.53
20°	14.2	0.5
30°	14.27	0.47
40°	14.93	0.43
50°	15.65	0.43
60°	15.32	0.48
70°	15.82	0.51
80°	17.09	0.53
90°	17.47	0.56
100°	16.63	0.53
110°	17.01	0.51

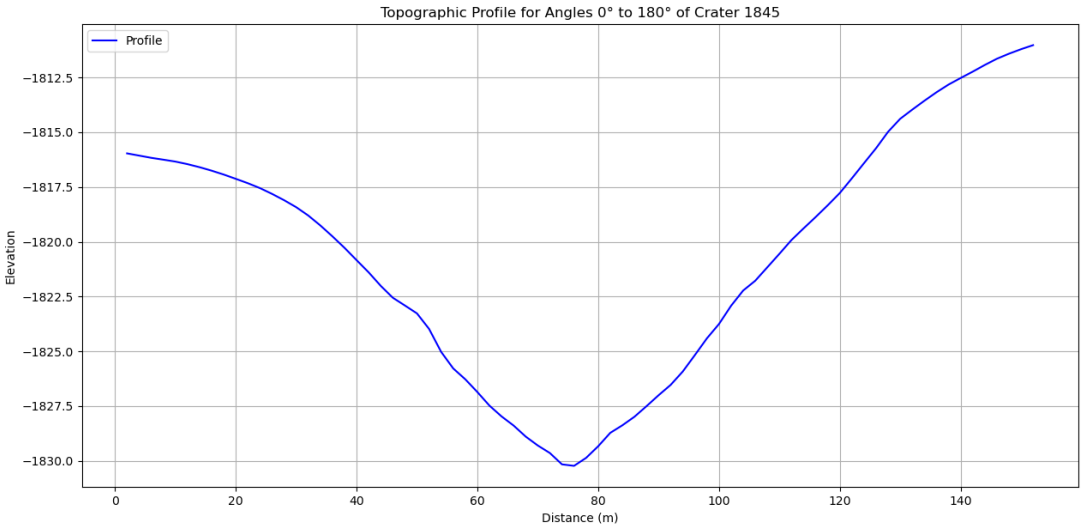
120°	17.13	0.47
130°	18.07	0.42
140°	18.28	0.42
150°	17.34	0.47
160°	17.07	0.5
170°	17.55	0.53
180°	17.76	0.56
190°	16.12	0.53
200°	15.62	0.51
210°	15.16	0.48
220°	15.48	0.43
230°	15.42	0.43
240°	14.6	0.47
250°	14.57	0.51
260°	15.15	0.53
270°	15.74	0.56
280°	14.79	0.54
290°	15.12	0.51
300°	14.64	0.47
310°	14.07	0.43
320°	14.87	0.43
330°	15.03	0.47
340°	14.43	0.52
350°	15.54	0.53

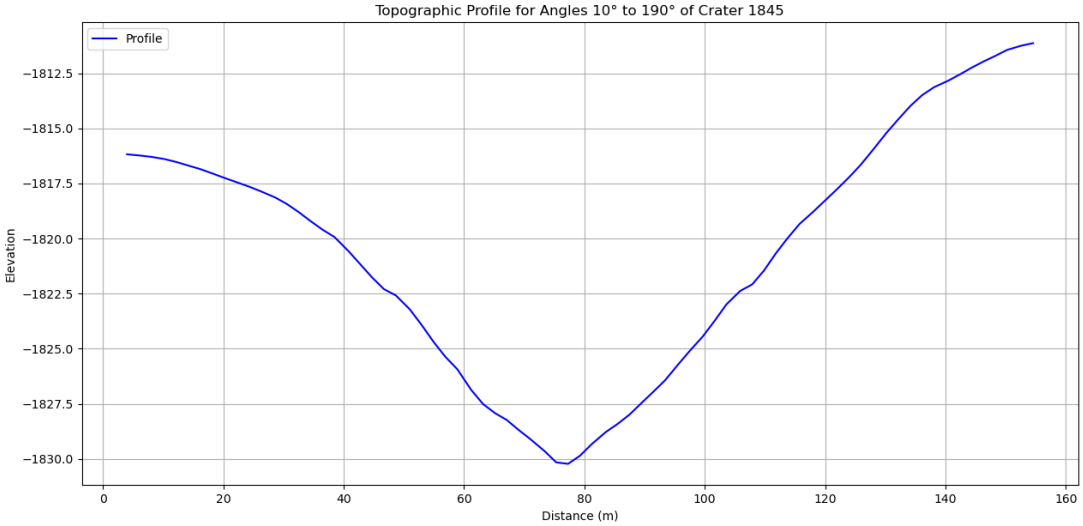
Topographic roughness index (TRI)

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 1845
Profile
Elevation
−1812.5
−1815.0
−1817.5
−1820.0
−1822.5
−1825.0
−1827.5
−1830.0
0
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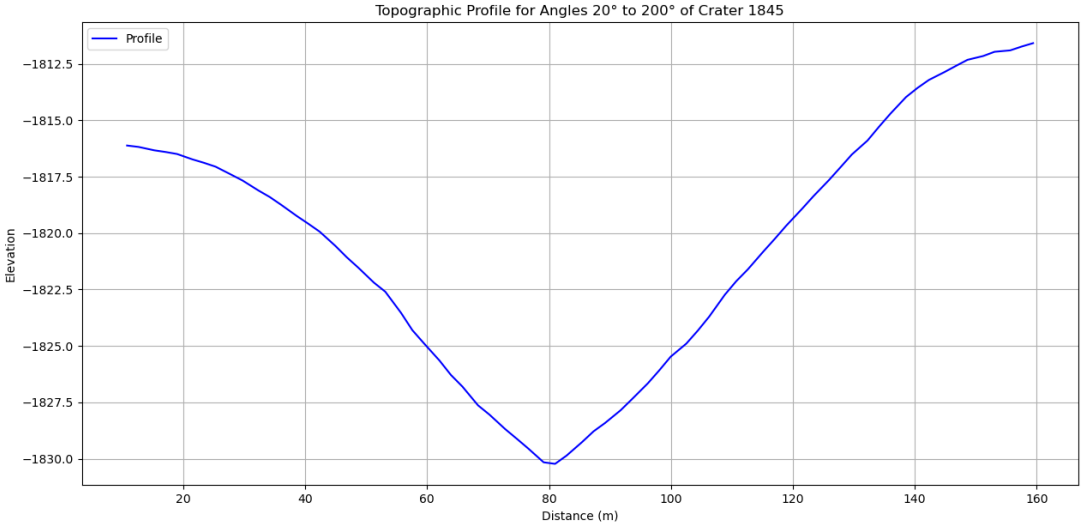
100
120
140
160
Distance (m)


Topographic Profile for Angles 20° to 200° of Crater 1845
Profile
Elevation
−1812.5
−1815.0
−1817.5
−1820.0
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20
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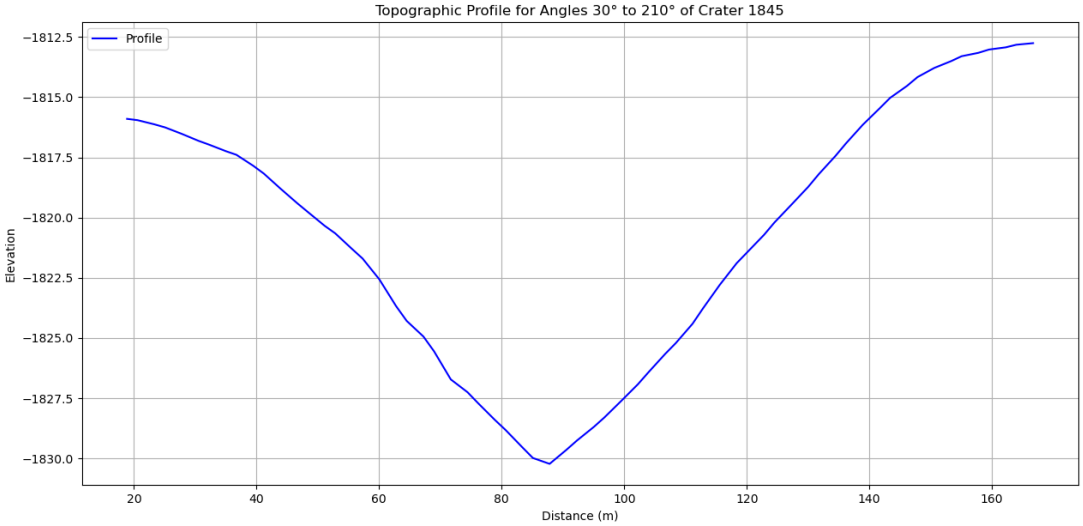
100
120
140
160
Distance (m)


Topographic Profile for Angles 30° to 210° of Crater 1845
Profile
Elevation
Distance (m)
−1812.5
−1815.0
−1817.5
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−1825.0
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100
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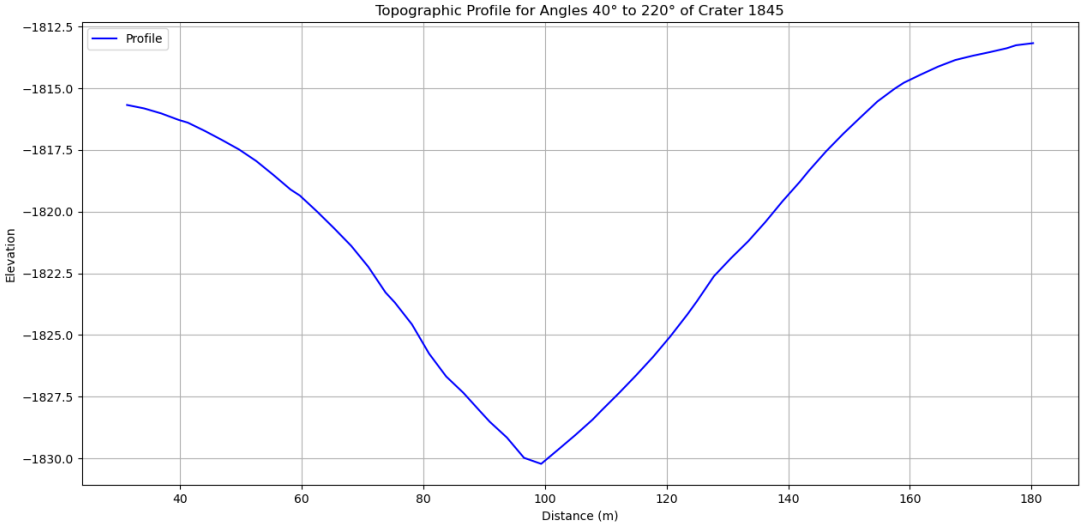
140
160


Topographic Profile for Angles 40° to 220° of Crater 1845
Profile
Elevation
Distance (m)
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−1815.0
−1817.5
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−1825.0
−1827.5
−1830.0
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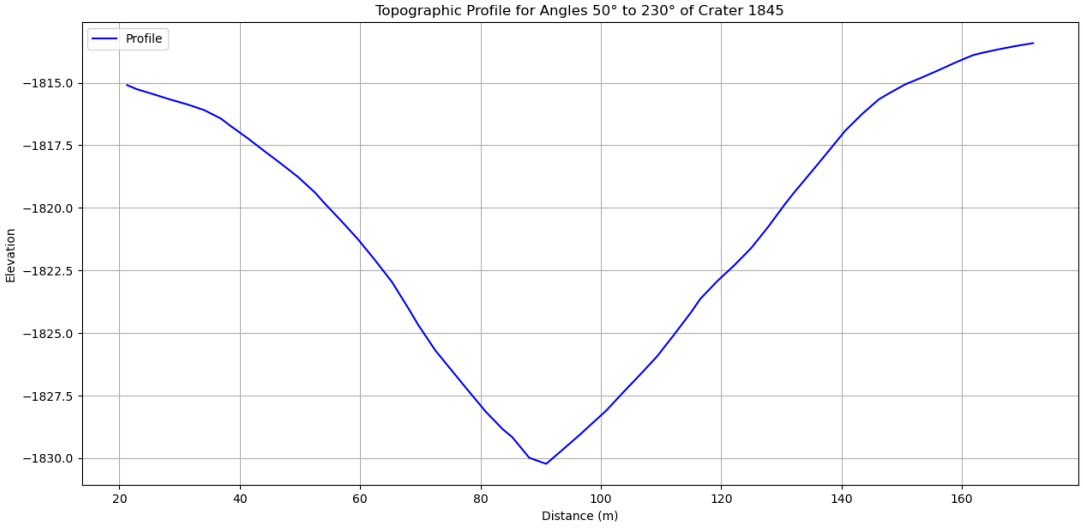
Topographic Profile for Angles 50° to 230° of Crater 1845
Profile
Elevation
Distance (m)
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−1817.5
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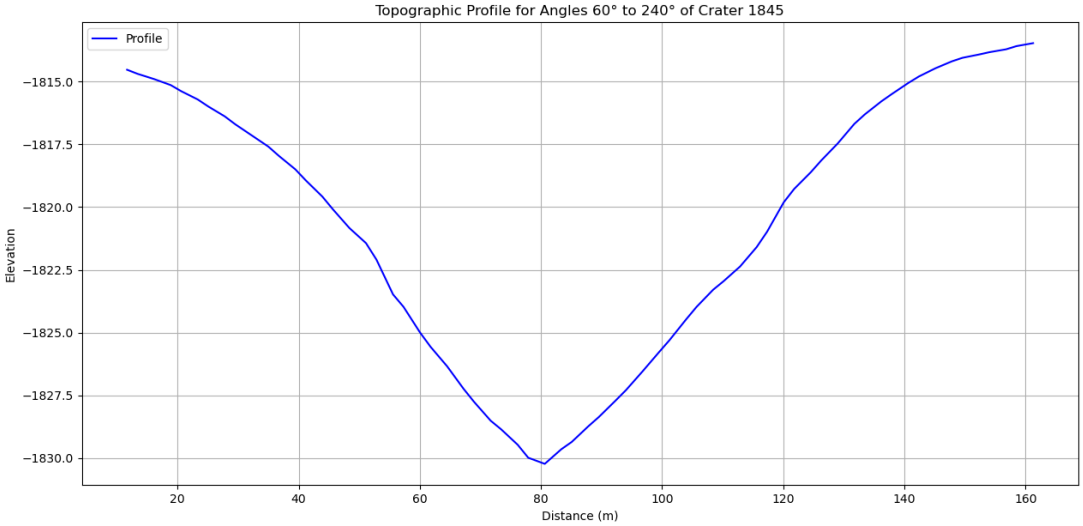
Topographic Profile for Angles 60° to 240° of Crater 1845
Profile
Elevation
Distance (m)
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−1817.5
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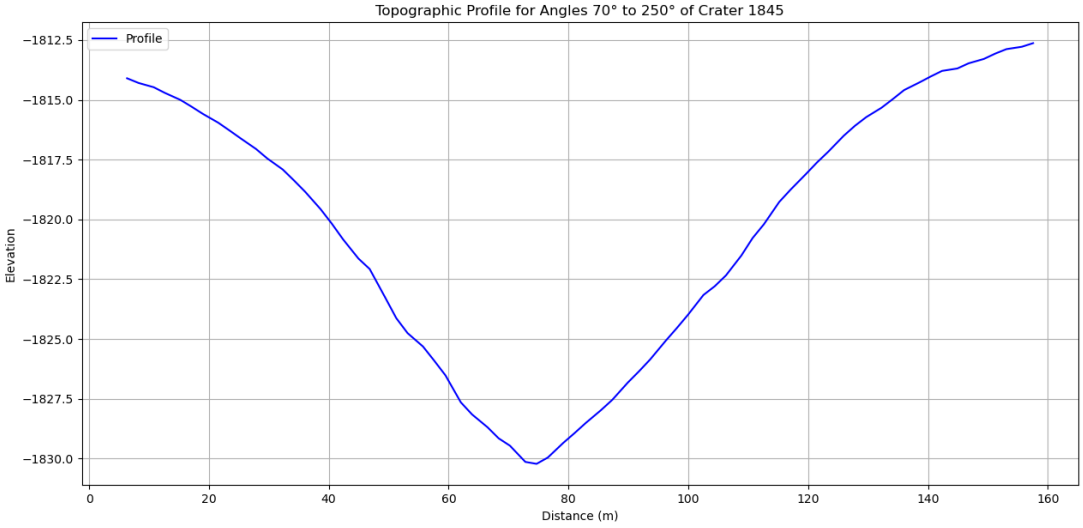
Topographic Profile for Angles 70° to 250° of Crater 1845
Profile
Elevation
Distance (m)
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−1817.5
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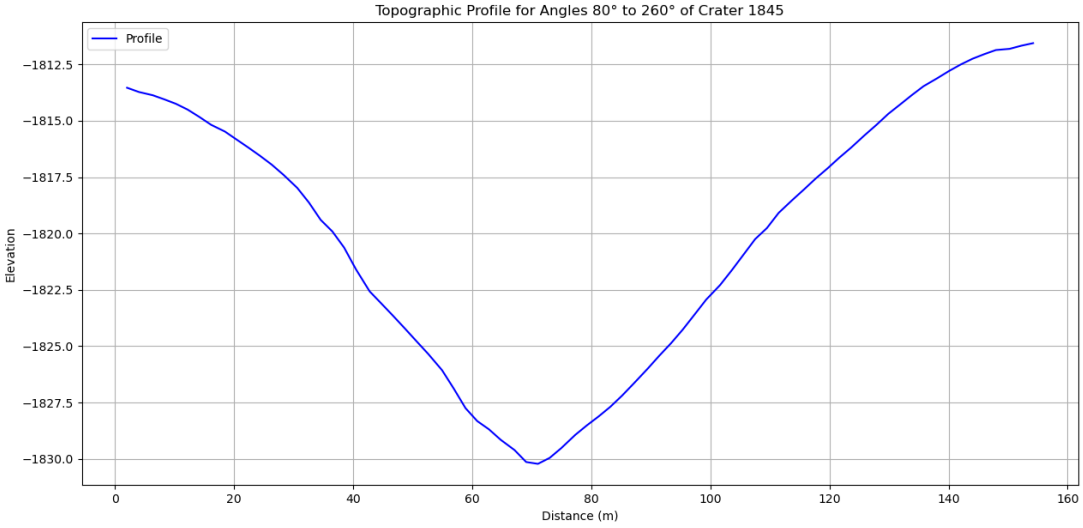
Topographic Profile for Angles 80° to 260° of Crater 1845
Profile
Elevation
Distance (m)
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−1817.5
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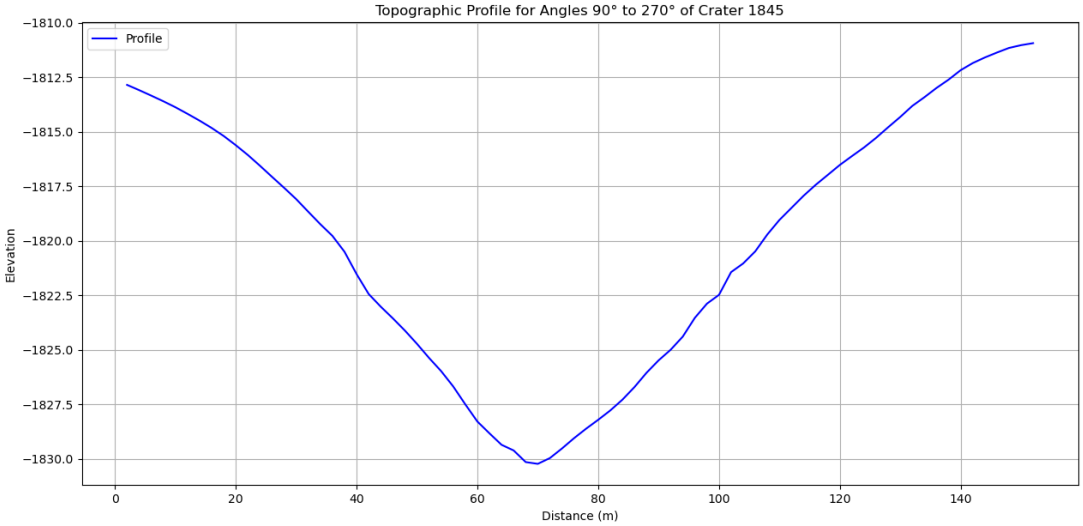
Topographic Profile for Angles 90° to 270° of Crater 1845
Profile
Elevation
Distance (m)
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−1817.5
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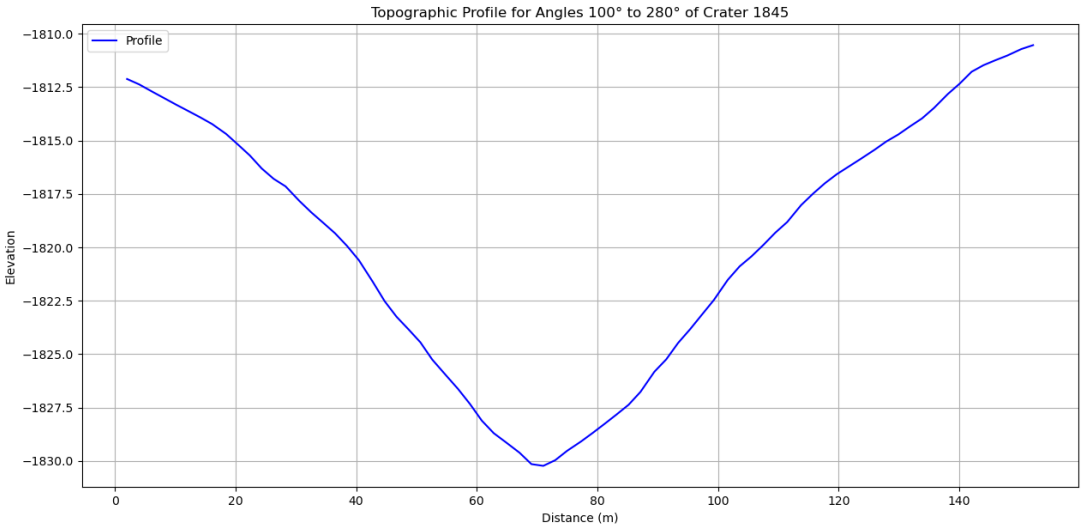
Topographic Profile for Angles 100° to 280° of Crater 1845
Profile
Elevation
Distance (m)
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−1817.5
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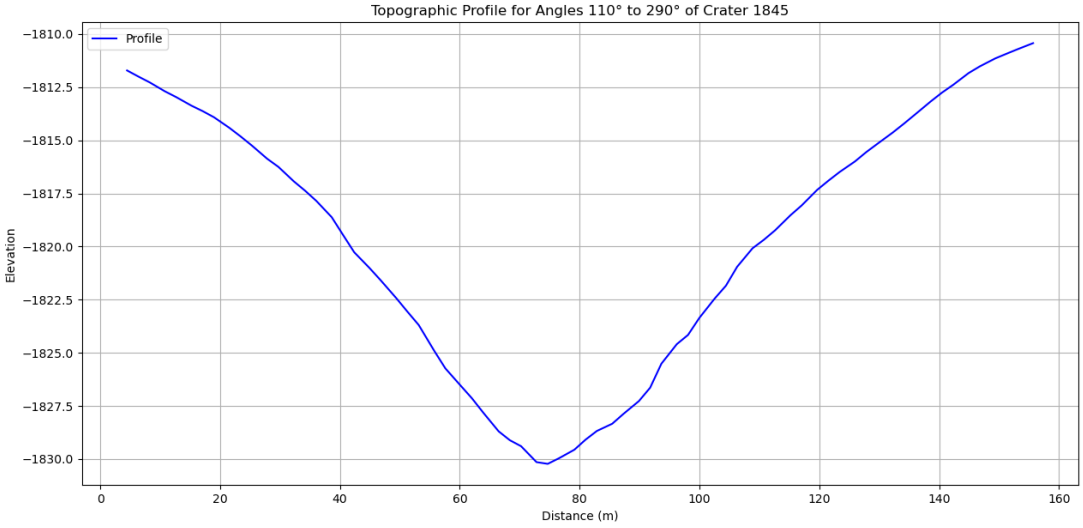
Topographic Profile for Angles 110° to 290° of Crater 1845
Profile
Elevation
Distance (m)
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−1817.5
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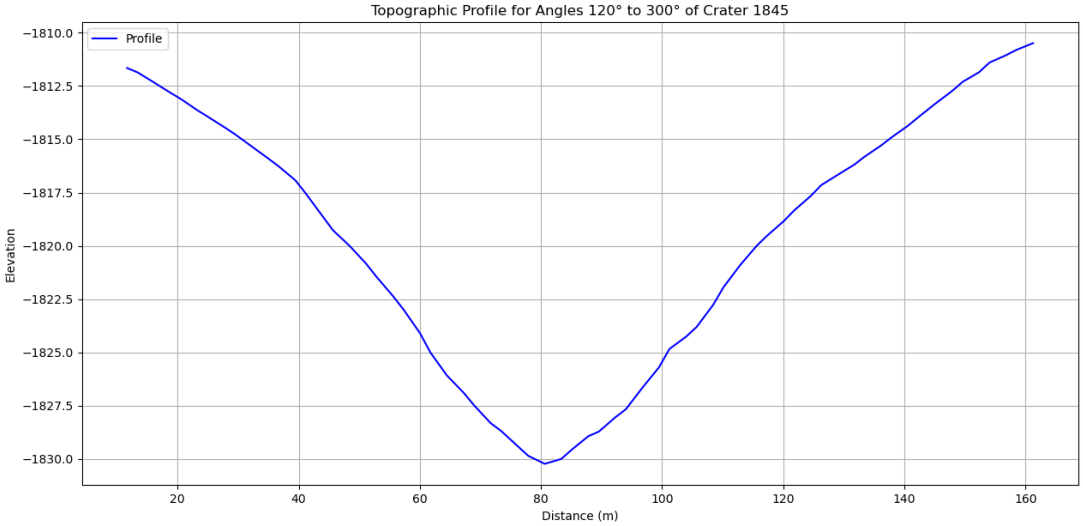
Topographic Profile for Angles 120° to 300° of Crater 1845
Profile
Elevation
Distance (m)
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−1815.0
−1817.5
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−1825.0
−1827.5
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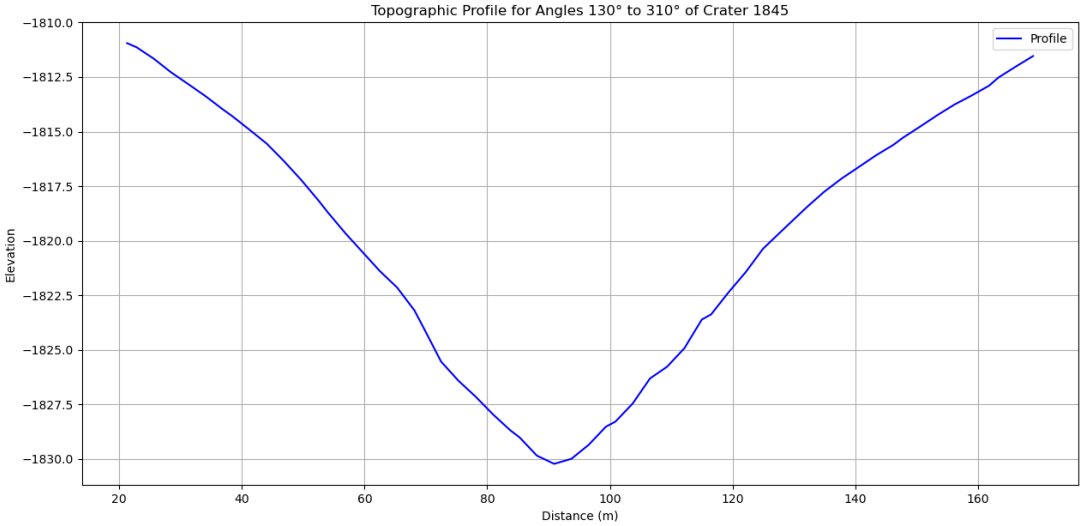
Topographic Profile for Angles 130° to 310° of Crater 1845
Profile
Elevation
Distance (m)
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−1817.5
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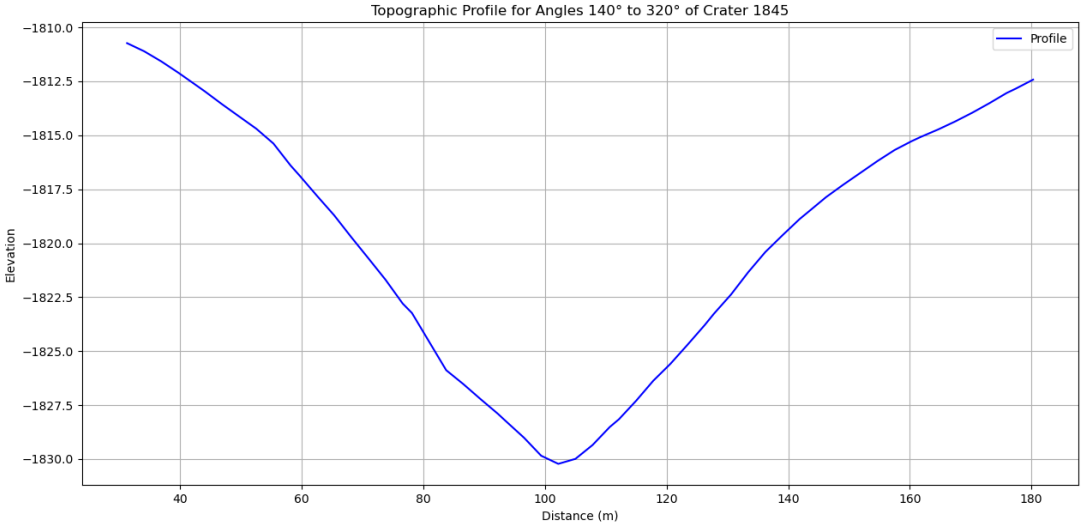
Topographic Profile for Angles 140° to 320° of Crater 1845
Profile
Elevation
Distance (m)
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−1812.5
−1815.0
−1817.5
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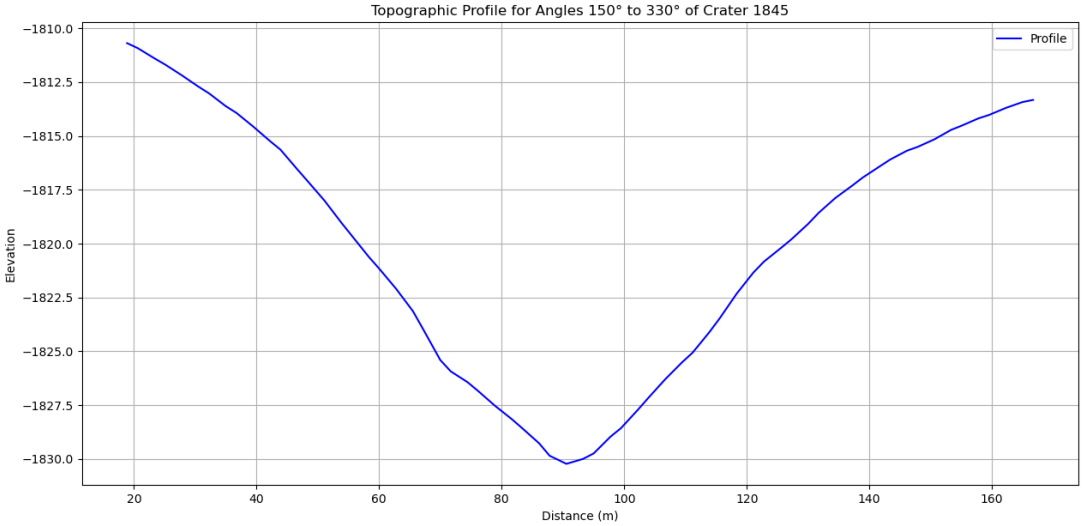
Topographic Profile for Angles 150° to 330° of Crater 1845
Profile
Elevation
Distance (m)
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−1815.0
−1817.5
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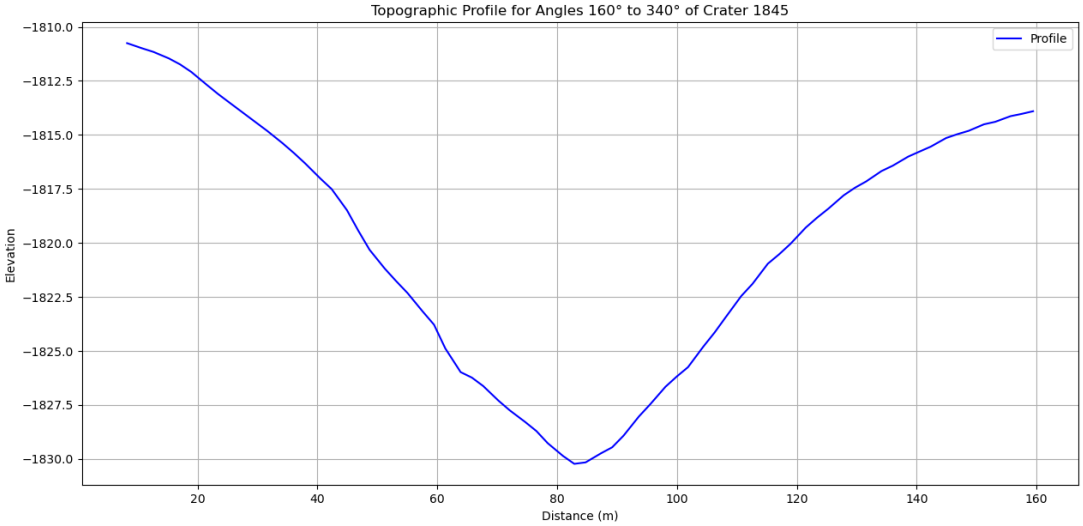
Topographic Profile for Angles 160° to 340° of Crater 1845
Profile
Elevation
Distance (m)
−1810.0
−1812.5
−1815.0
−1817.5
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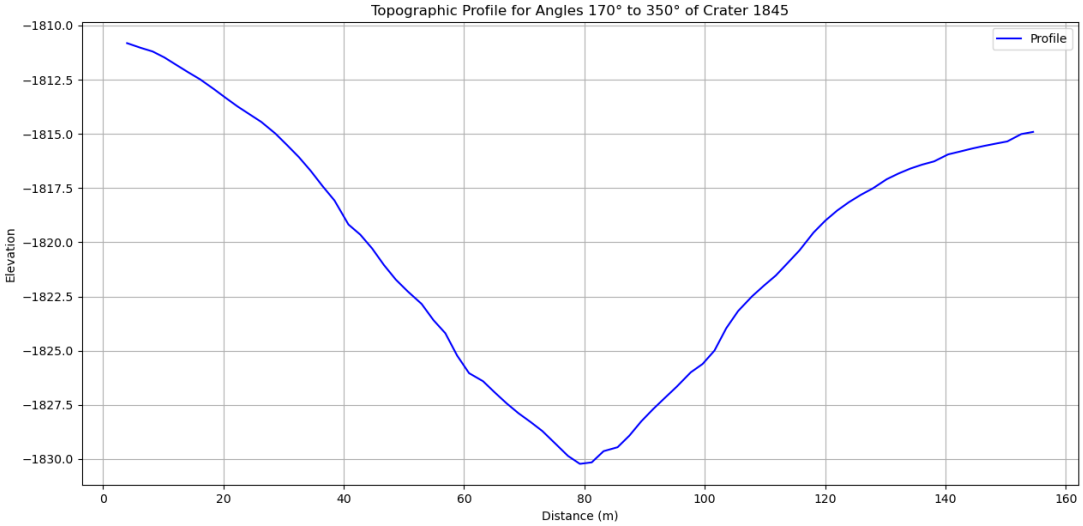
Topographic Profile for Angles 170° to 350° of Crater 1845
Profile
Elevation
Distance (m)
−1810.0
−1812.5
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−1817.5
−1820.0
−1822.5
−1825.0
−1827.5
−1830.0
0
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40
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80
100
120
140
160