Crater report 2161 of RG2

General information

ID : 2161

Study area : RG2

Swirl : off-swirl

Morphology : Bowl-shaped

Estimate state of degradation : BC - C

Mean Diameter : 117m ± 7.0m

Mean depht : 6.0m ± 0.5m

d/D ratio : 0.051 ± 0.005

Circularity index : 0.93

Slope : Between 2.68° et 10.92°

Mean value of TRI on the rim crest : 0.12

Geometric center coordinates : (3658876.255054521, 219943.59323507806)

Coordinates of the crater's lowest point : (3658877.000001101, 219945.00000006484)

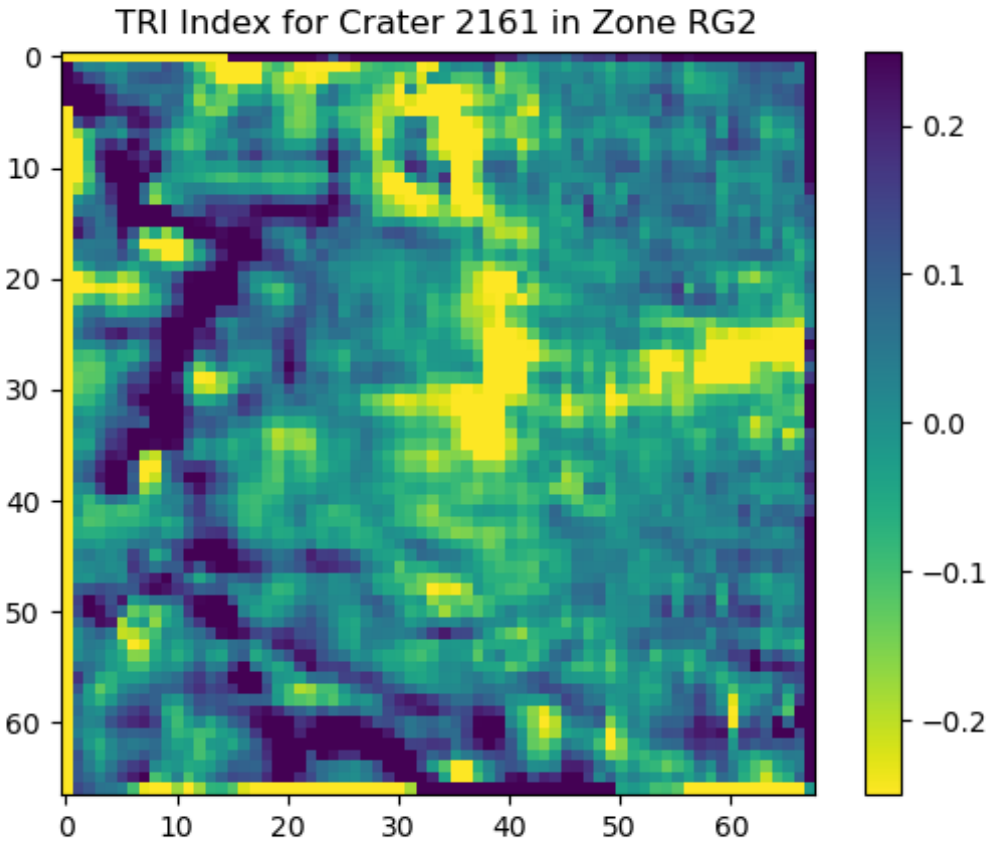
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	3.46	0.57
10°	4.36	0.55
20°	6.04	0.52
30°	7.93	0.48
40°	8.43	0.44
50°	7.55	0.42
60°	4.32	0.49
70°	2.68	0.51
80°	3.4	0.55
90°	4.58	0.57
100°	6.07	0.55
110°	8.56	0.51

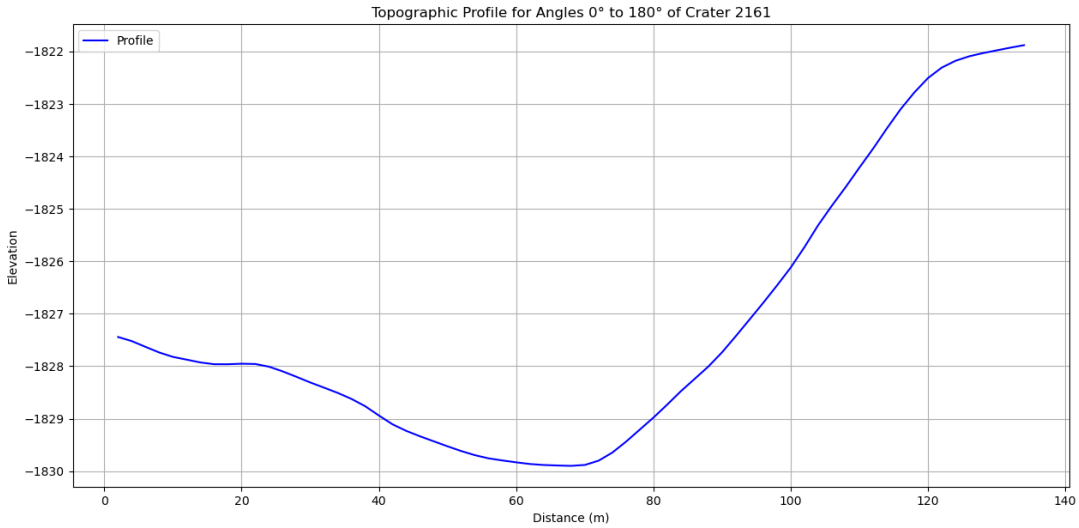
120°	10.08	0.48
130°	10.92	0.44
140°	10.92	0.42
150°	9.16	0.48
160°	8.73	0.52
170°	8.89	0.54
180°	9.67	0.57
190°	9.59	0.55
200°	9.15	0.51
210°	9.47	0.48
220°	10.07	0.42
230°	9.52	0.44
240°	8.27	0.48
250°	7.34	0.52
260°	7.14	0.54
270°	7.84	0.57
280°	8.68	0.54
290°	8.74	0.52
300°	8.2	0.48
310°	7.79	0.42
320°	6.47	0.42
330°	4.25	0.49
340°	3.87	0.51
350°	3.3	0.54

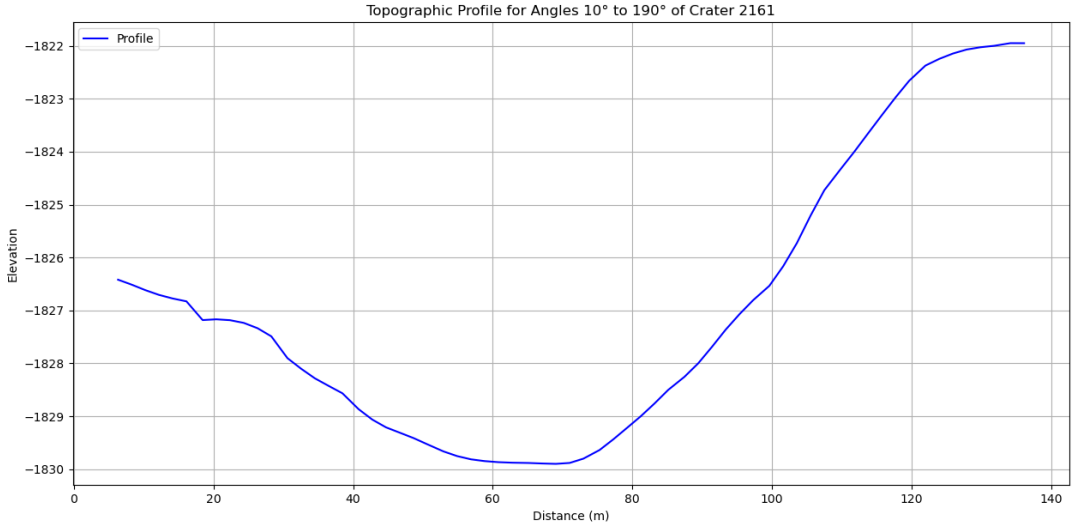
Topographic roughness index (TRI)

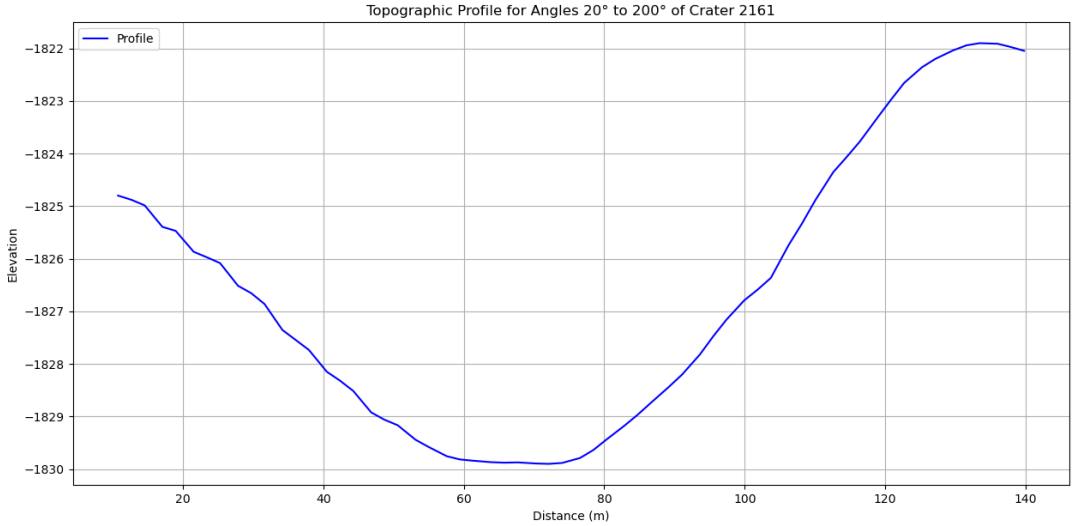
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.



Topographic profiles




Topographic Profile for Angles 10° to 190° of Crater 2161
Profile
Elevation
Distance (m)
−1822
−1823
−1824
−1825
−1826
−1827
−1828
−1829
−1830
0
20
40
60
80
100
120
140


Topographic Profile for Angles 20° to 200° of Crater 2161
Profile
Elevation
Distance (m)
−1822
−1823
−1824
−1825
−1826
−1827
−1828
−1829
−1830
20
40
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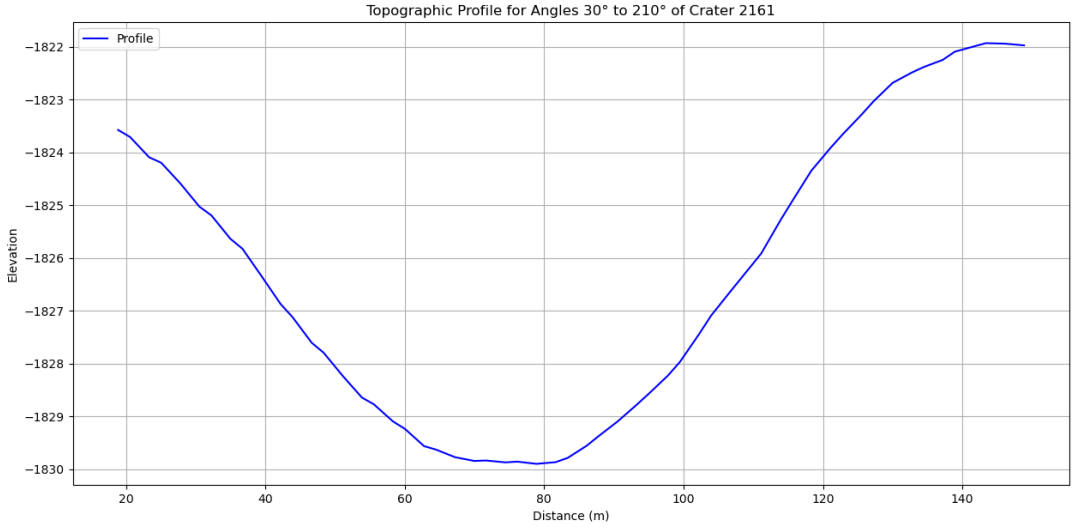
80
100
120
140


Topographic Profile for Angles 30° to 210° of Crater 2161
Profile
Elevation
Distance (m)
−1822
−1823
−1824
−1825
−1826
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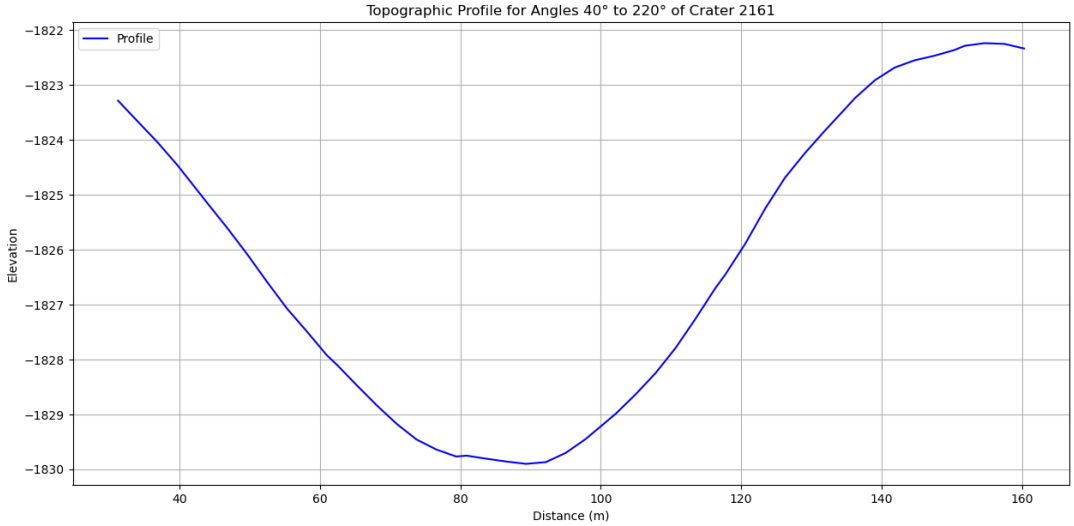
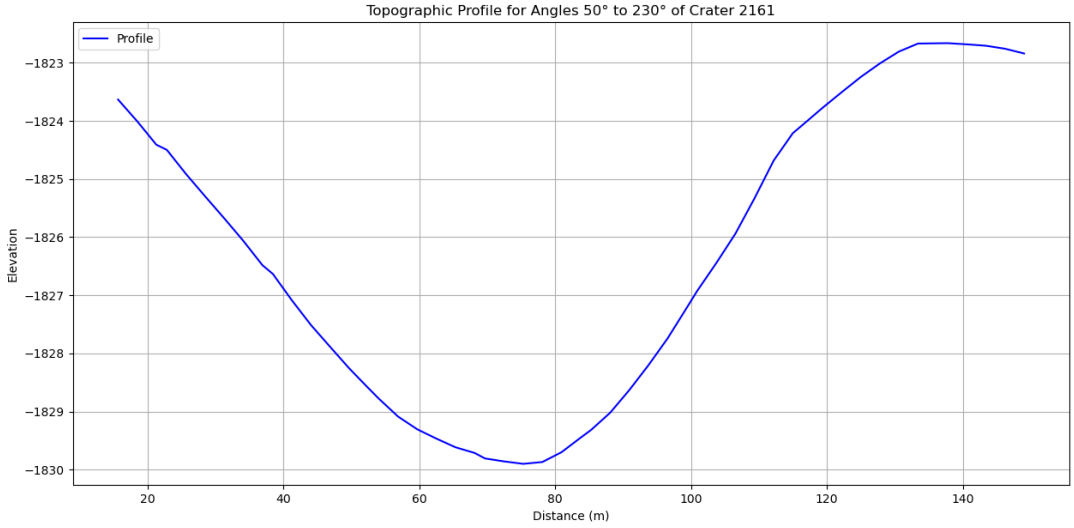
−1828
−1829
−1830
20
40
60
80
100
120
140


Topographic Profile for Angles 40° to 220° of Crater 2161
Profile
Elevation
Distance (m)
−1822
−1823
−1824
−1825
−1826
−1827
−1828
−1829
−1830
40
60
80
100
120
140
160


Topographic Profile for Angles 50° to 230° of Crater 2161
Profile
Elevation
Distance (m)
−1823
−1824
−1825
−1826
−1827
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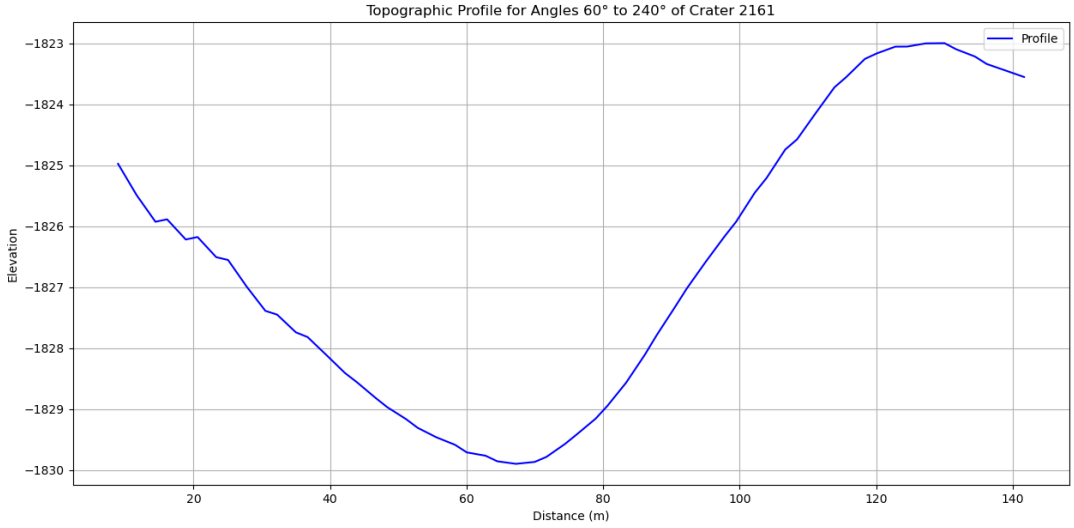
−1829
−1830
20
40
60
80
100
120
140


Topographic Profile for Angles 60° to 240° of Crater 2161
Profile
Elevation
Distance (m)
−1823
−1824
−1825
−1826
−1827
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−1829
−1830
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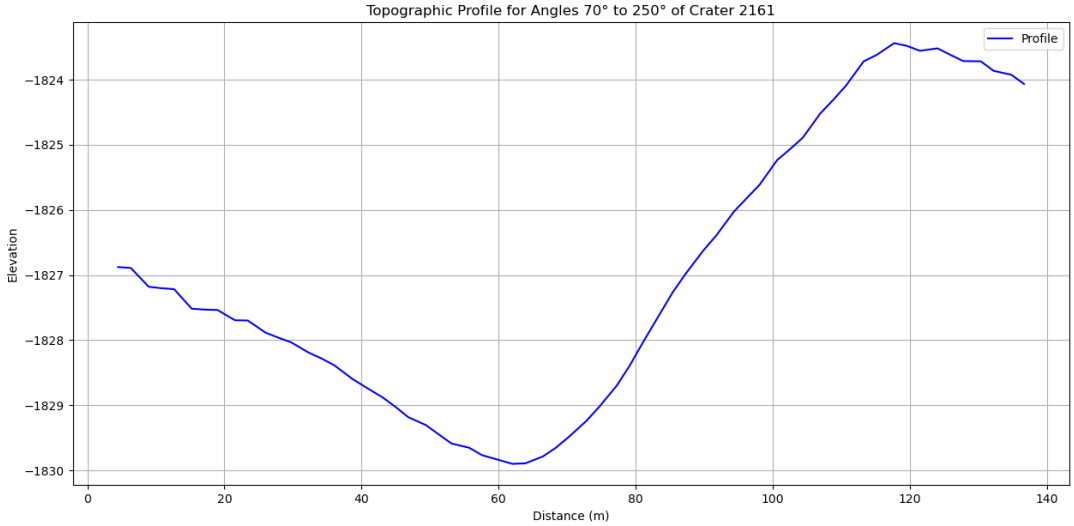
Topographic Profile for Angles 70° to 250° of Crater 2161
Profile
Elevation
Distance (m)
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−1825
−1826
−1827
−1828
−1829
−1830
0
20
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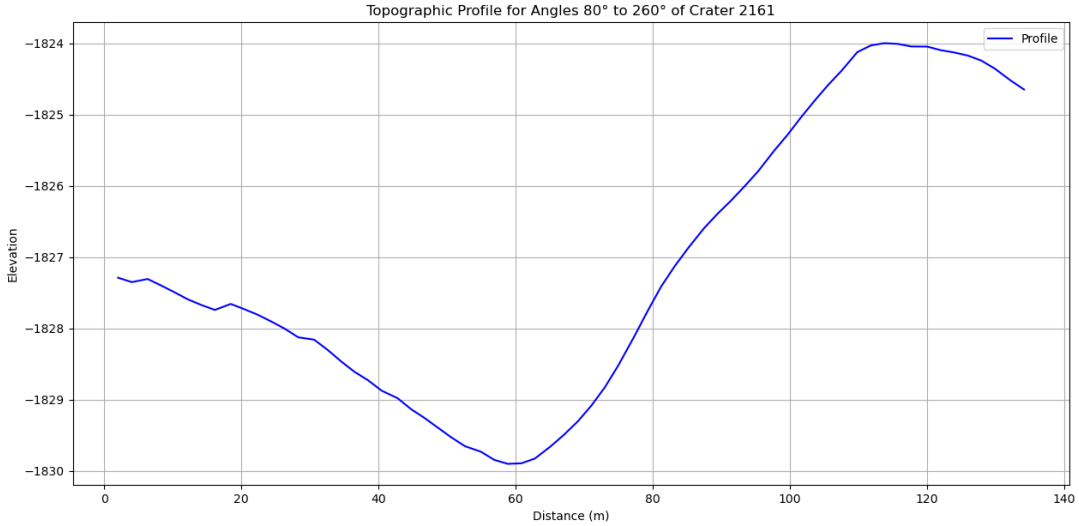
80
100
120
140


Topographic Profile for Angles 80° to 260° of Crater 2161
Profile
Elevation
Distance (m)
−1824
−1825
−1826
−1827
−1828
−1829
−1830
0
20
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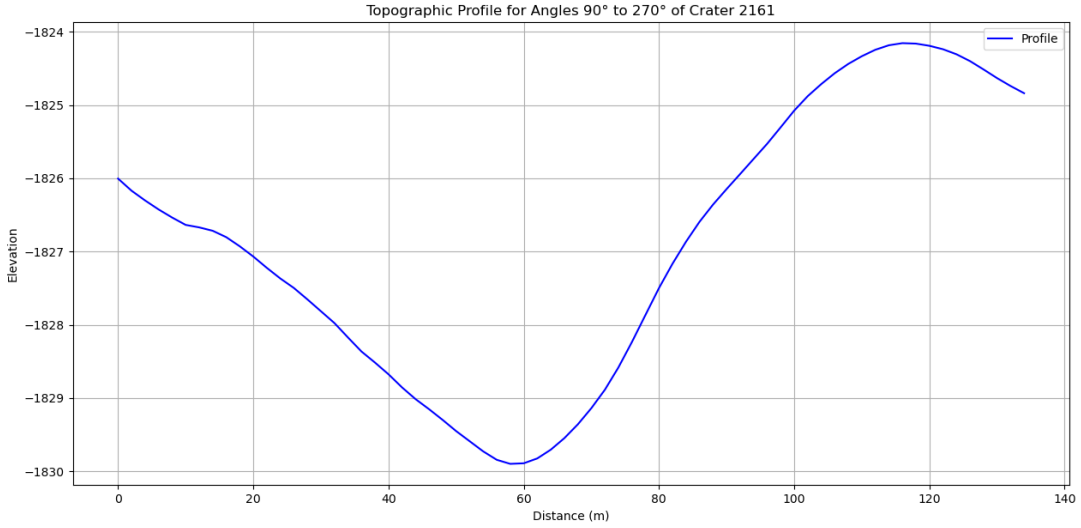
80
100
120
140


Topographic Profile for Angles 90° to 270° of Crater 2161
Profile
Elevation
Distance (m)
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−1825
−1826
−1827
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−1829
−1830
0
20
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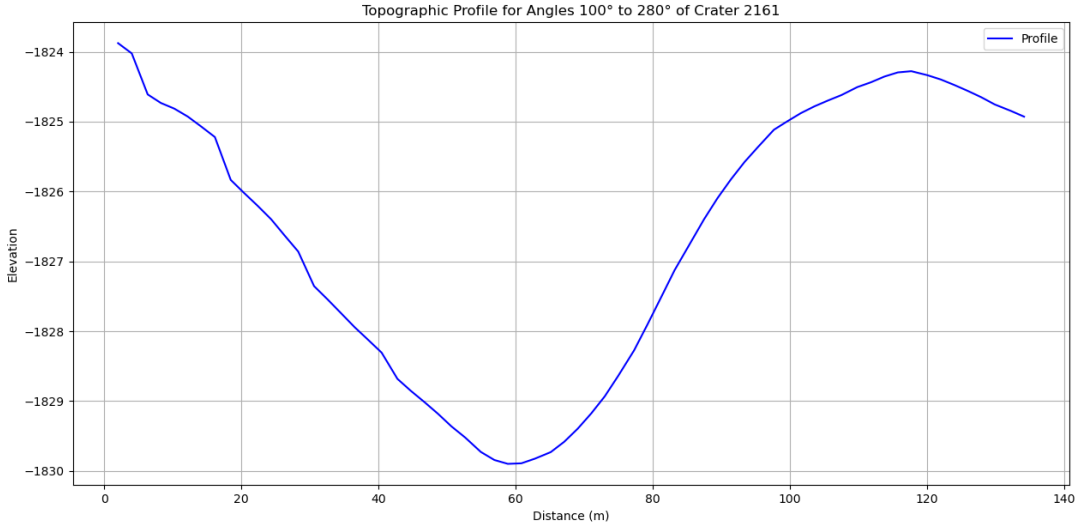
Topographic Profile for Angles 100° to 280° of Crater 2161
Profile
Elevation
Distance (m)
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−1825
−1826
−1827
−1828
−1829
−1830
0
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40
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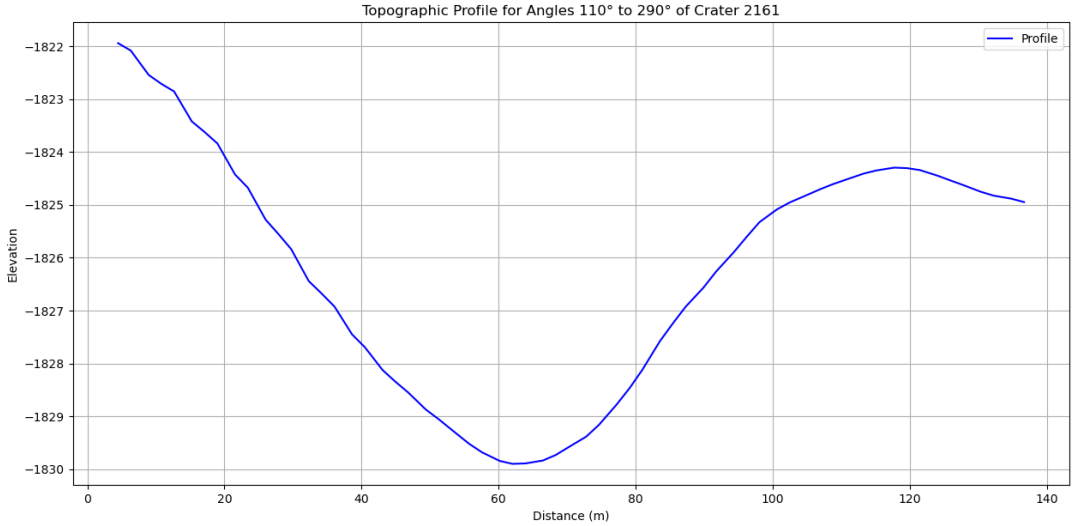
Topographic Profile for Angles 110° to 290° of Crater 2161
Profile
Elevation
Distance (m)
−1822
−1823
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−1825
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−1829
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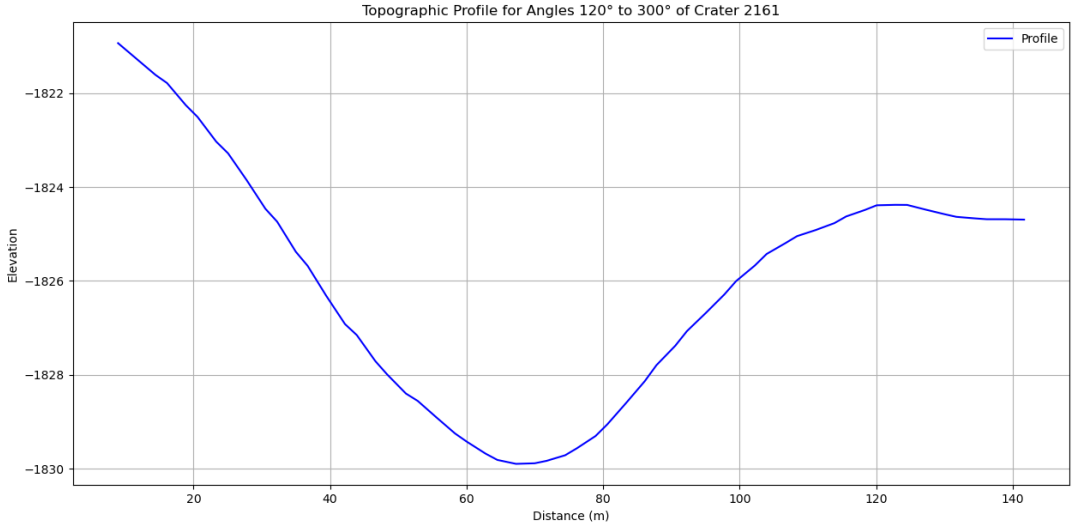
Topographic Profile for Angles 120° to 300° of Crater 2161
Profile
Elevation
Distance (m)
−1822
−1824
−1826
−1828
−1830
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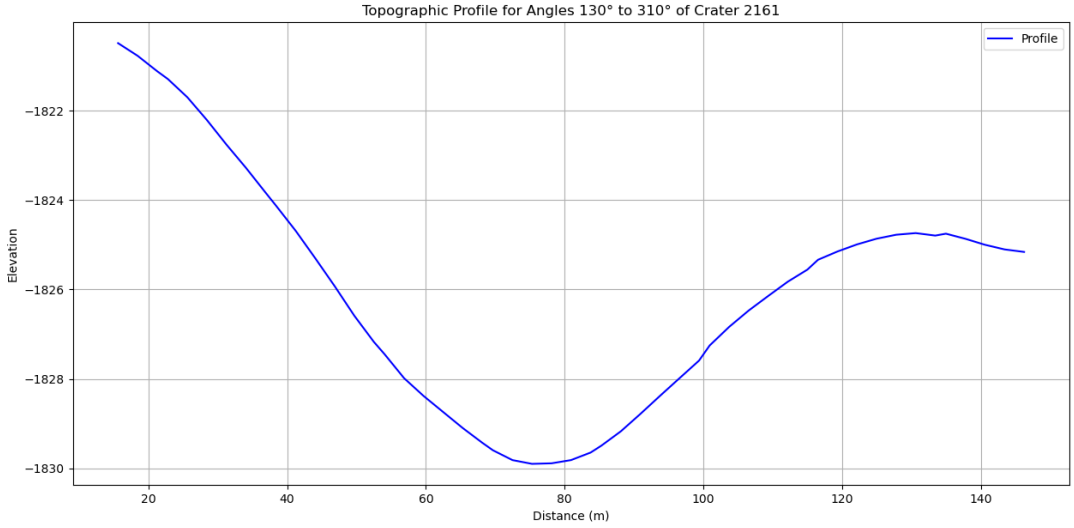
60
80
100
120
140


Topographic Profile for Angles 130° to 310° of Crater 2161
Profile
Elevation
−1822
−1824
−1826
−1828
−1830
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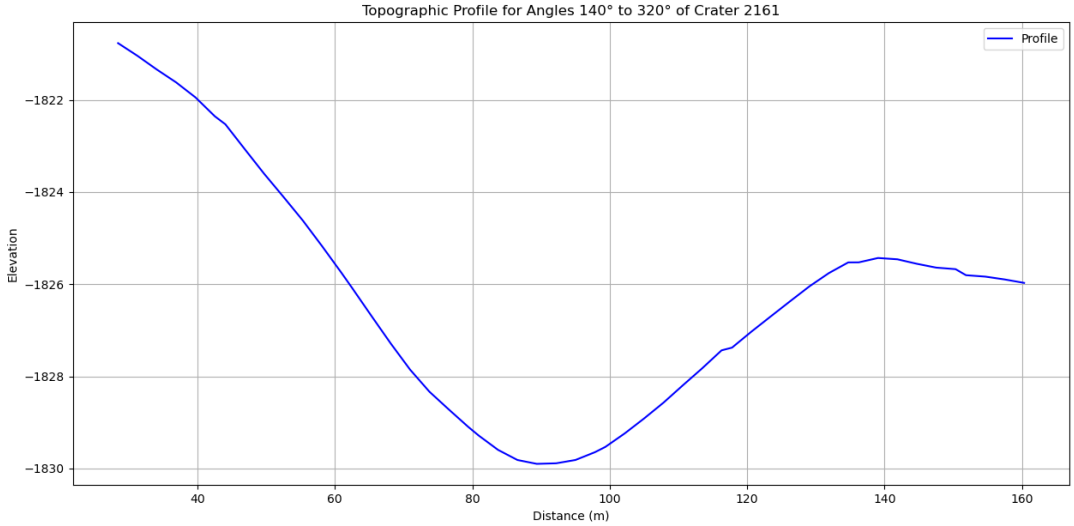
100
120
140
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 2161
Profile
Elevation
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−1824
−1826
−1828
−1830
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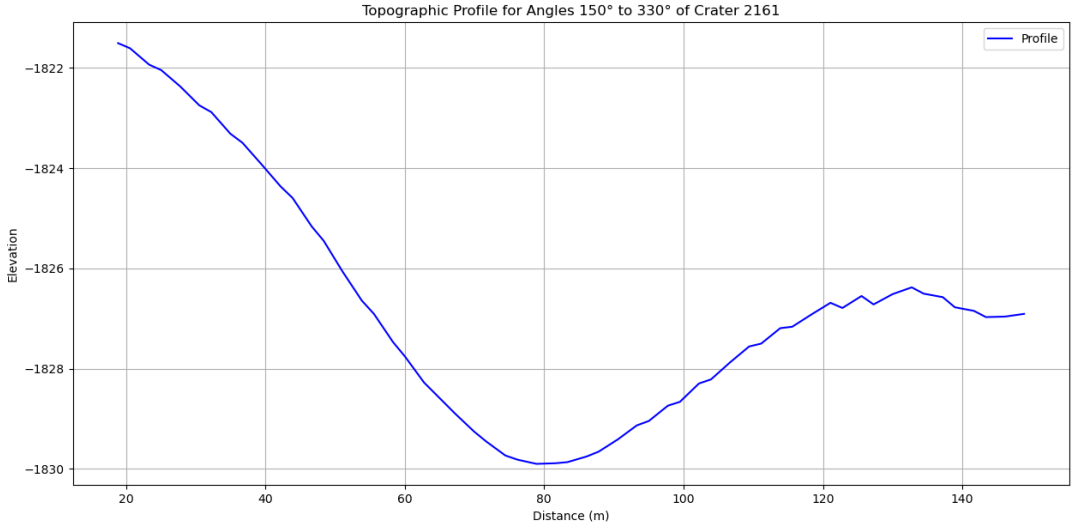
80
100
120
140
160
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 2161
Profile
Elevation
Distance (m)
−1822
−1824
−1826
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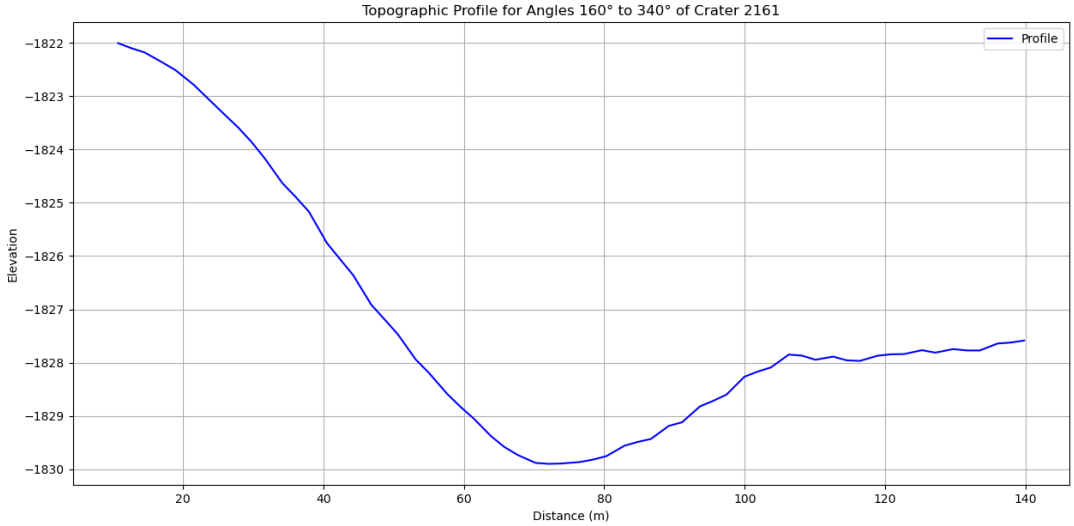
Topographic Profile for Angles 160° to 340° of Crater 2161
Profile
Elevation
Distance (m)
−1822
−1823
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−1825
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−1828
−1829
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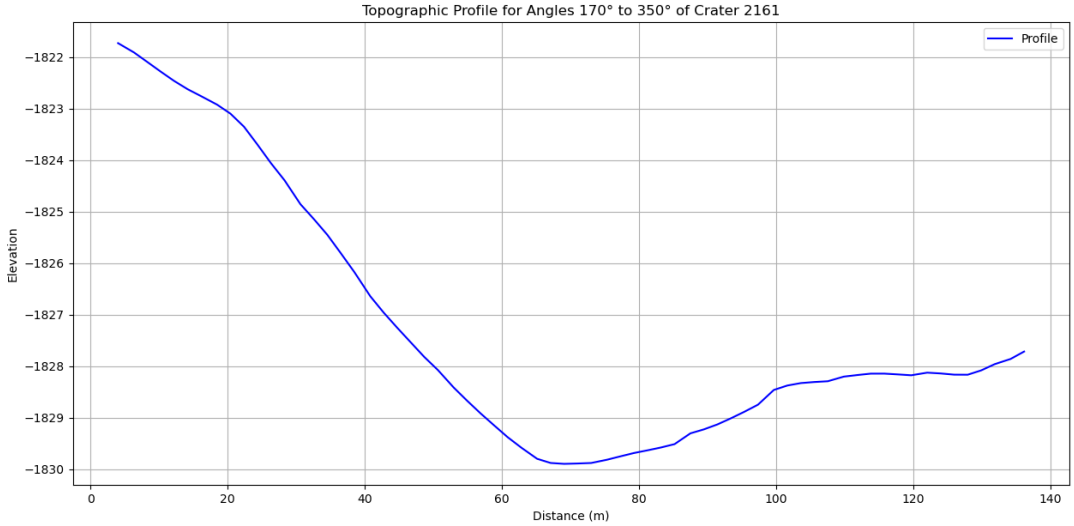
Topographic Profile for Angles 170° to 350° of Crater 2161
Profile
Elevation
−1822
−1823
−1824
−1825
−1826
−1827
−1828
−1829
−1830
0
20
40
60
80
100
120
140
Distance (m)