Crater report 2169 of RG2

General information

ID : 2169

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : B - BC

Mean Diameter : 54m ± 3.0m

Mean depht : 4.6m ± 0.3m

d/D ratio : 0.085 ± 0.007

Circularity index : 0.9

Mean slope : 11.72°

Mean value of TRI on the rim crest : 0.19

Geometric center coordinates : (3657273.3469030065, 220946.01474879967)

Coordinates of the crater's lowest point : (3657277.0000011004, 220945.00000006516)

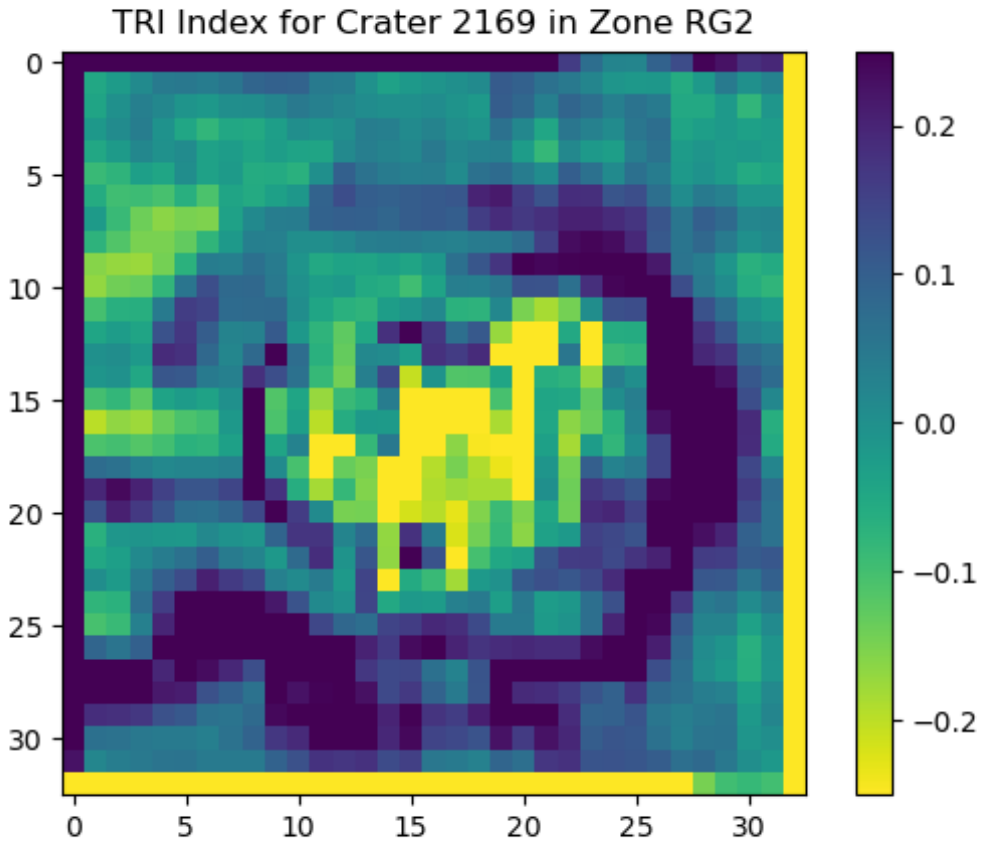
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	13.23	0.56
10°	12.45	0.55
20°	12.42	0.52
30°	11.32	0.46
40°	10.73	0.43
50°	8.47	0.43
60°	7.62	0.48
70°	7.81	0.51
80°	7.86	0.53
90°	8.55	0.57
100°	8.73	0.53
110°	9.02	0.5

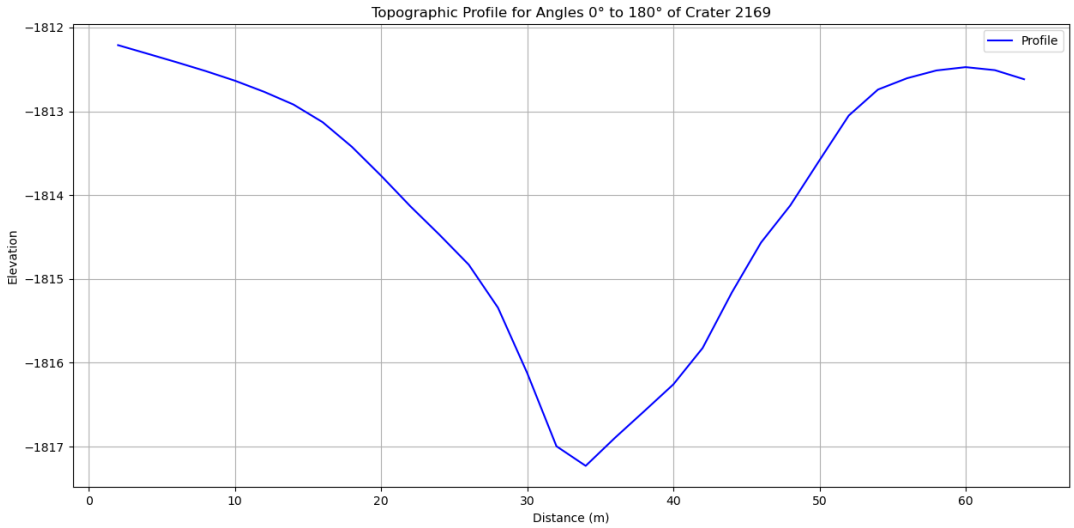
120°	9.0	0.48
130°	9.54	0.43
140°	10.23	0.43
150°	10.36	0.48
160°	10.73	0.51
170°	11.36	0.53
180°	12.79	0.57
190°	12.99	0.53
200°	13.23	0.51
210°	13.39	0.48
220°	14.28	0.43
230°	15.05	0.43
240°	14.49	0.47
250°	14.11	0.51
260°	14.98	0.54
270°	15.23	0.56
280°	14.31	0.55
290°	13.04	0.51
300°	12.79	0.47
310°	12.81	0.43
320°	12.7	0.43
330°	11.75	0.48
340°	11.91	0.52
350°	12.65	0.55

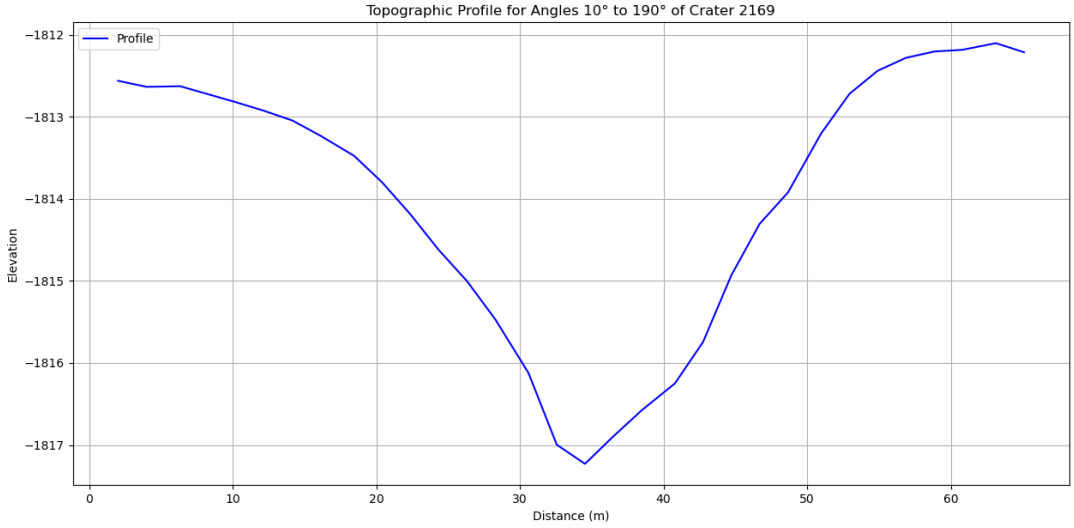
Topographic roughness index (TRI)

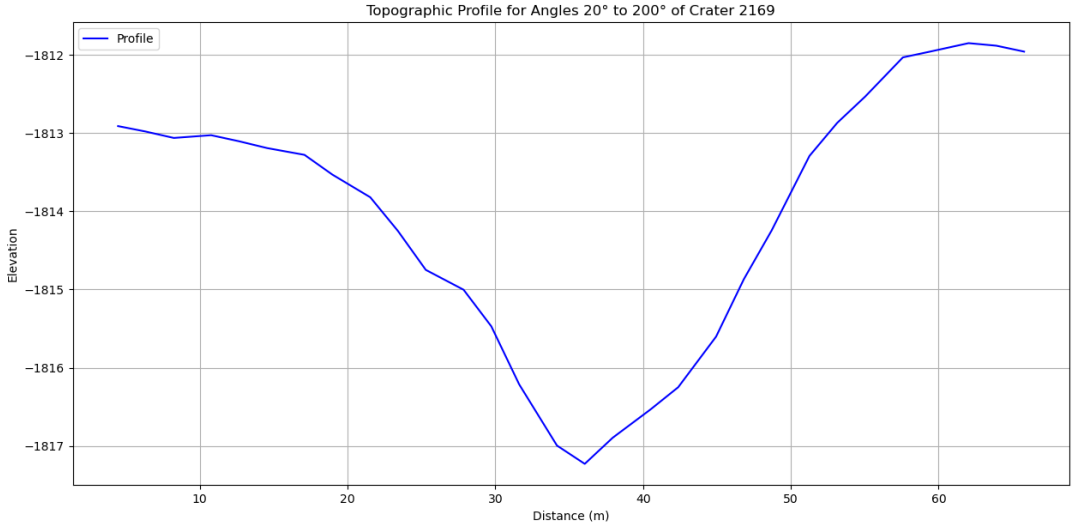
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

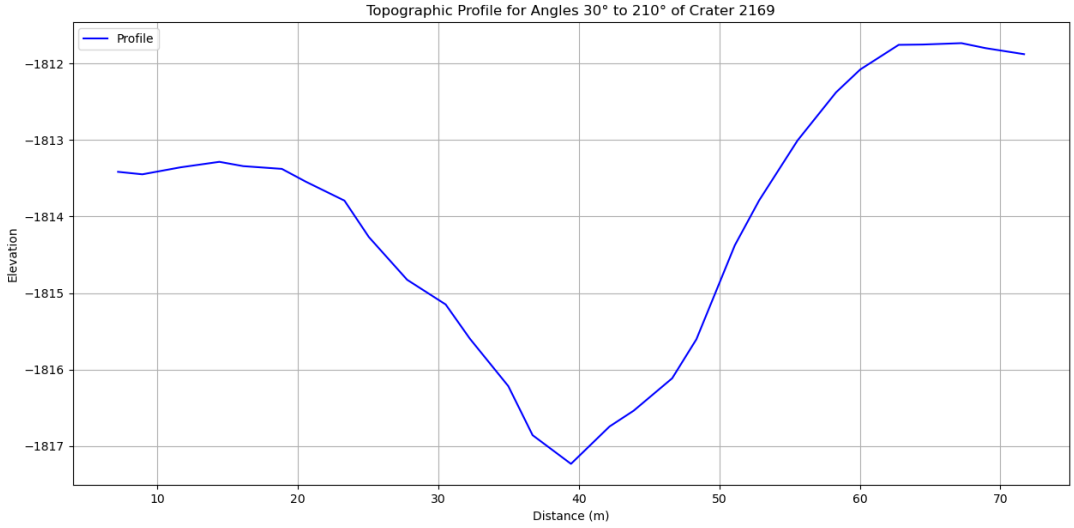


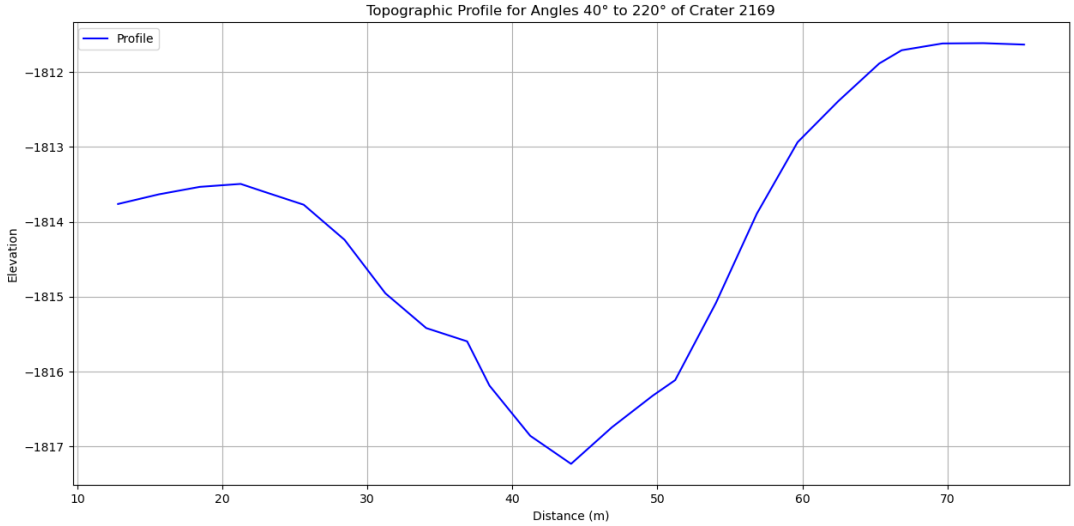
Topographic profiles

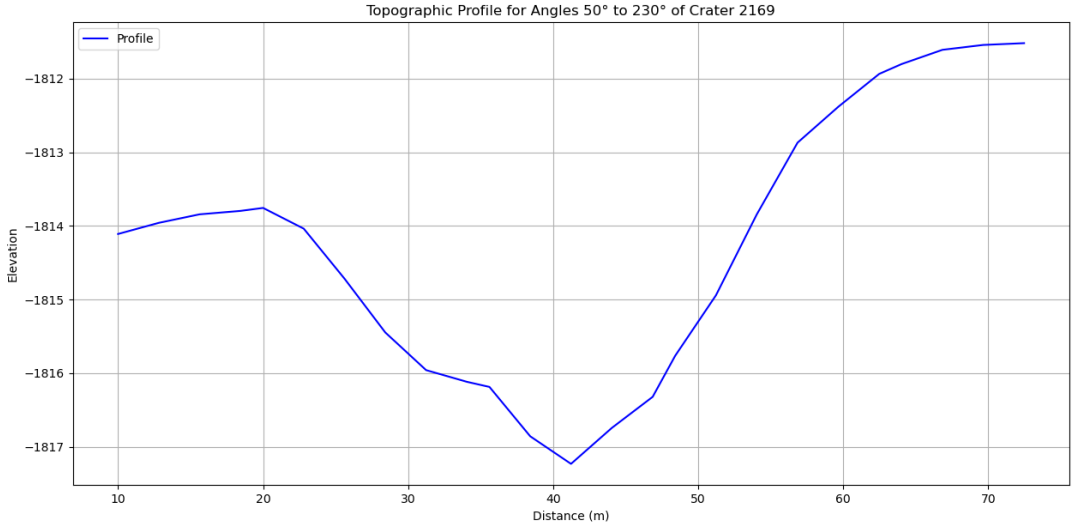


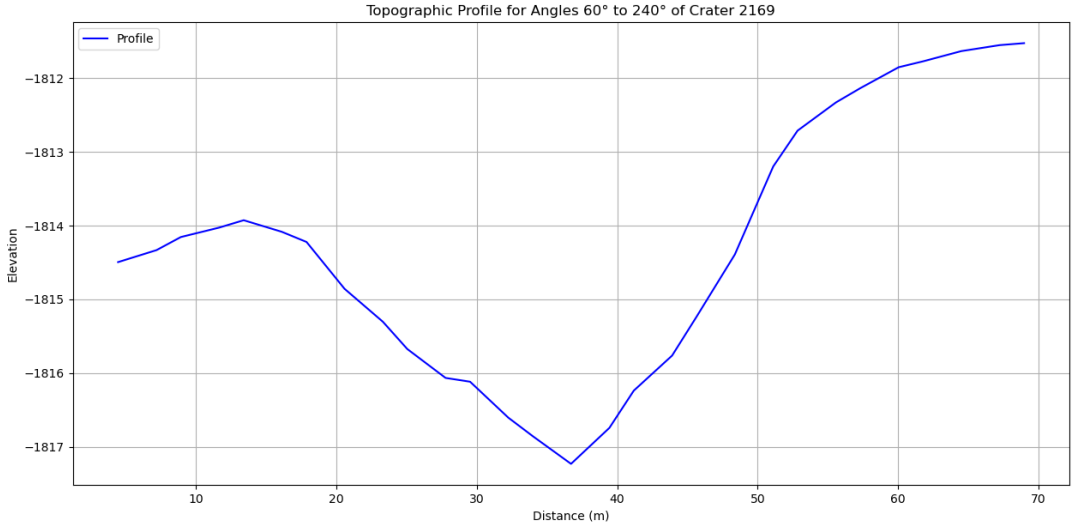

Topographic Profile for Angles 10° to 190° of Crater 2169
Profile
Elevation
Distance (m)
−1812
−1813
−1814
−1815
−1816
−1817
0
10
20
30
40
50
60


Topographic Profile for Angles 20° to 200° of Crater 2169
Profile
Elevation
Distance (m)
−1812
−1813
−1814
−1815
−1816
−1817
10
20
30
40
50
60


Topographic Profile for Angles 30° to 210° of Crater 2169
Profile
Elevation
Distance (m)
−1812
−1813
−1814
−1815
−1816
−1817
10
20
30
40
50
60
70


Topographic Profile for Angles 40° to 220° of Crater 2169
Profile
Elevation
Distance (m)
−1812
−1813
−1814
−1815
−1816
−1817
10
20
30
40
50
60
70


Topographic Profile for Angles 50° to 230° of Crater 2169
Profile
Elevation
Distance (m)
−1812
−1813
−1814
−1815
−1816
−1817
10
20
30
40
50
60
70


Topographic Profile for Angles 60° to 240° of Crater 2169
Profile
Elevation
Distance (m)
−1812
−1813
−1814
−1815
−1816
−1817
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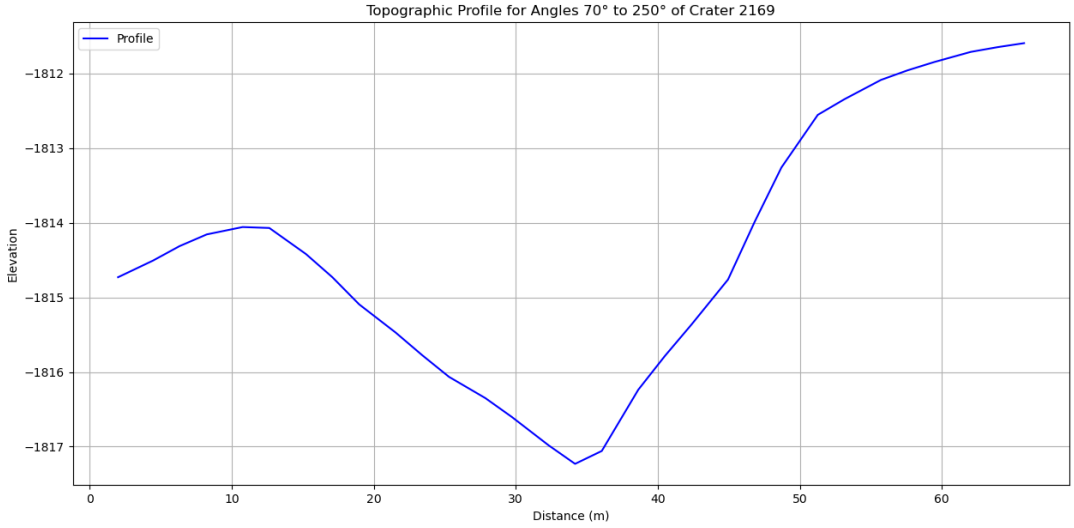
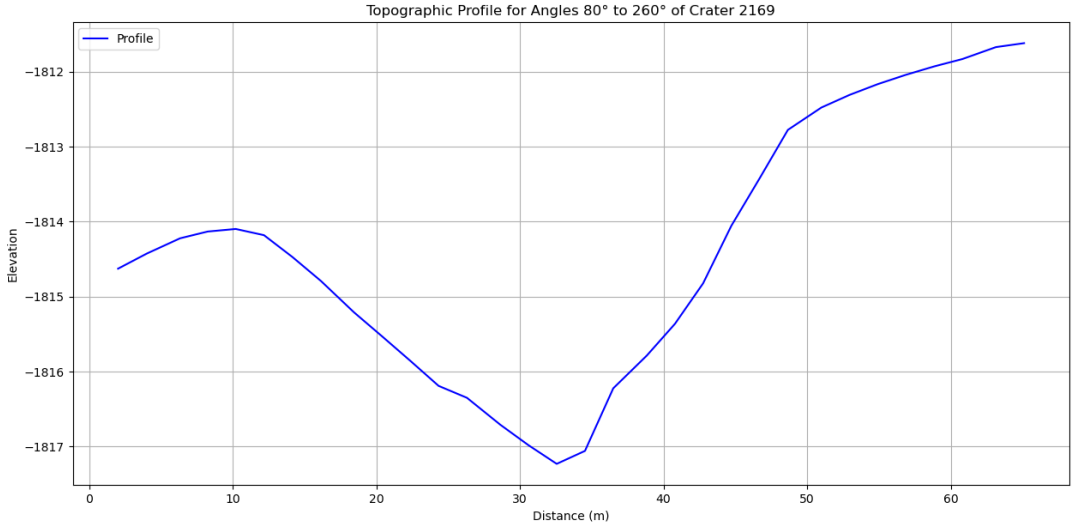
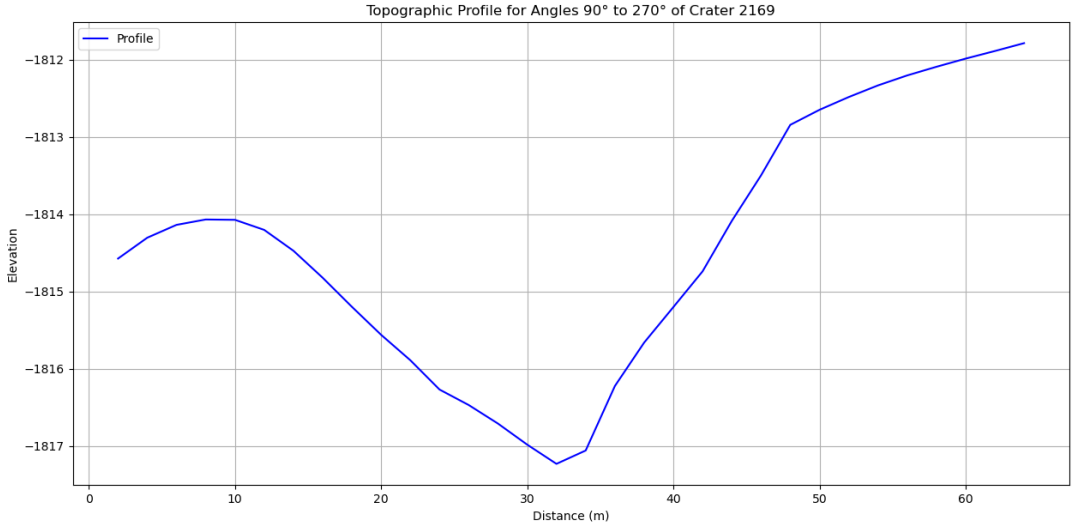
70


Topographic Profile for Angles 70° to 250° of Crater 2169
Profile
Elevation
−1812
−1813
−1814
−1815
−1816
−1817
0
10
20
30
40
50
60
Distance (m)


Topographic Profile for Angles 80° to 260° of Crater 2169
Profile
Elevation
−1812
−1813
−1814
−1815
−1816
−1817
0
10
20
30
40
50
60
Distance (m)


Topographic Profile for Angles 90° to 270° of Crater 2169
Profile
Elevation
−1812
−1813
−1814
−1815
−1816
−1817
0
10
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30
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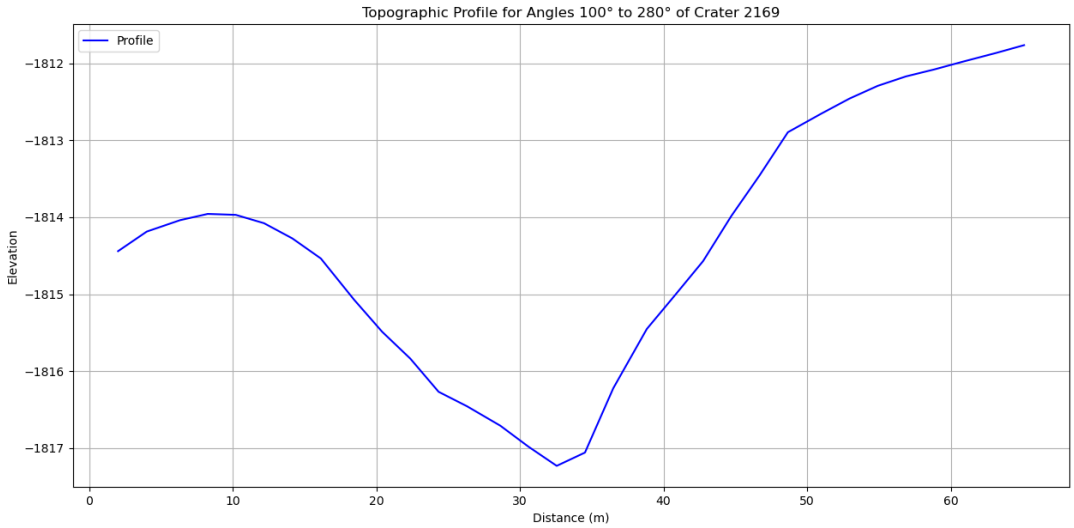
50
60
Distance (m)


Topographic Profile for Angles 100° to 280° of Crater 2169
Profile
Elevation
−1812
−1813
−1814
−1815
−1816
−1817
0
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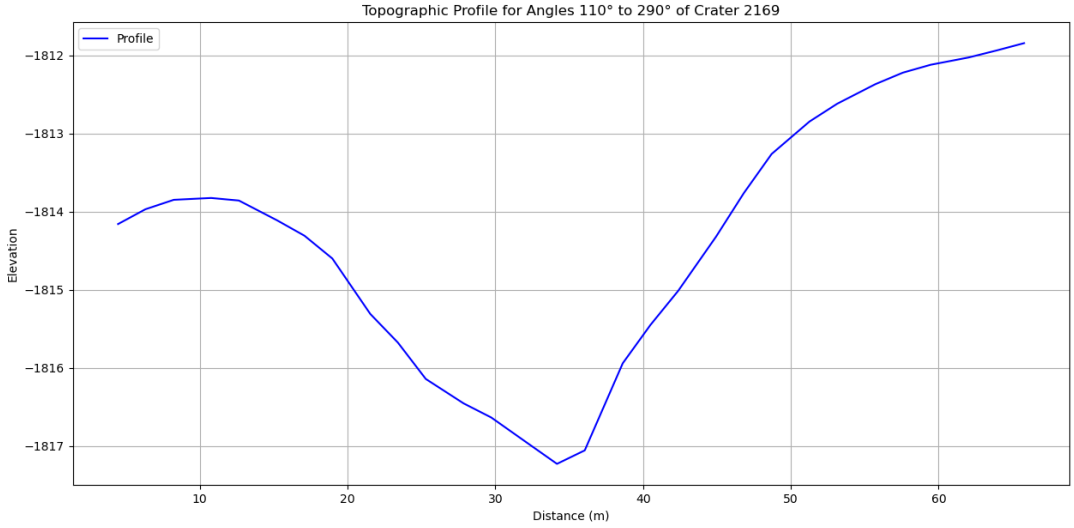
Distance (m)


Topographic Profile for Angles 110° to 290° of Crater 2169
Profile
Elevation
−1812
−1813
−1814
−1815
−1816
−1817
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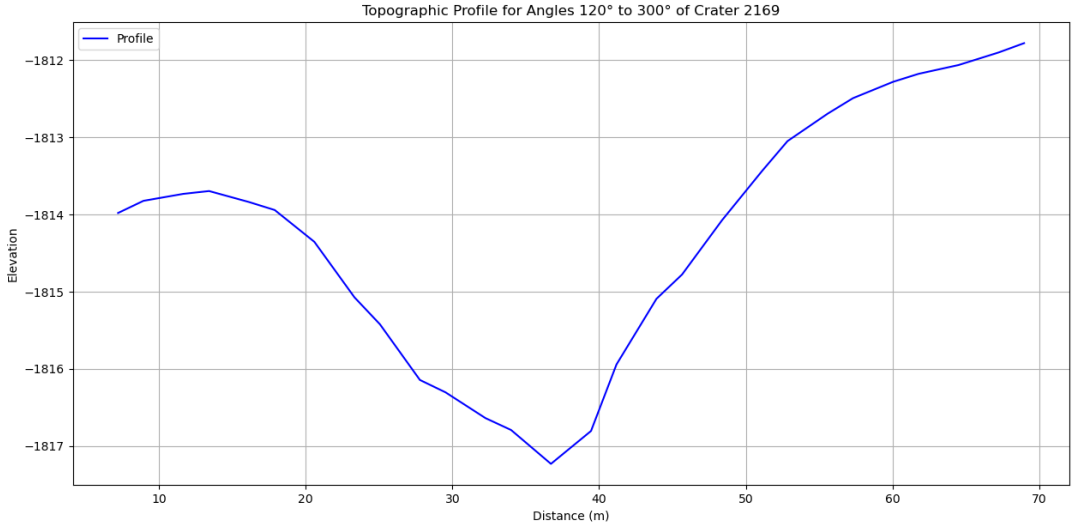
60
Distance (m)


Topographic Profile for Angles 120° to 300° of Crater 2169
Profile
Elevation
−1812
−1813
−1814
−1815
−1816
−1817
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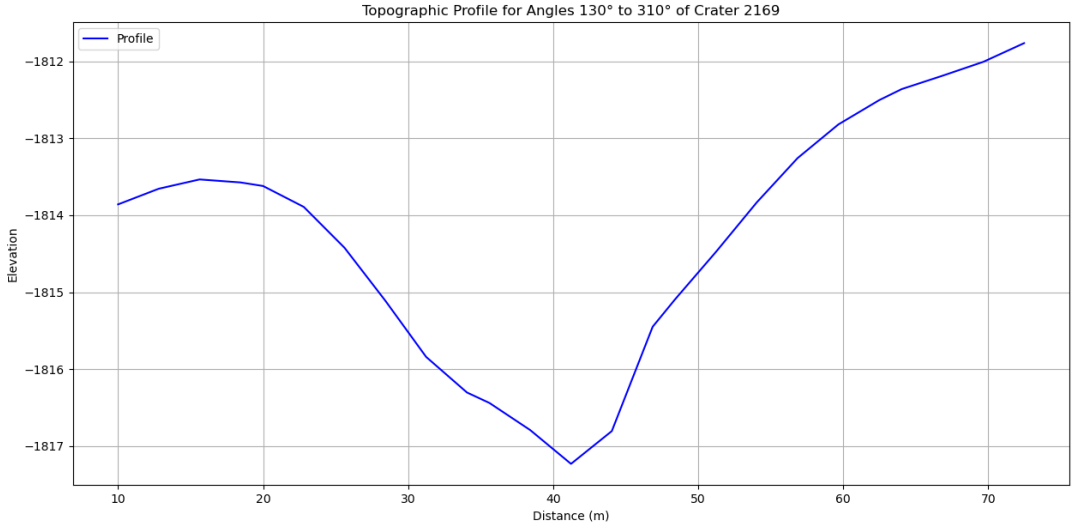
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 2169
Profile
Elevation
Distance (m)
−1812
−1813
−1814
−1815
−1816
−1817
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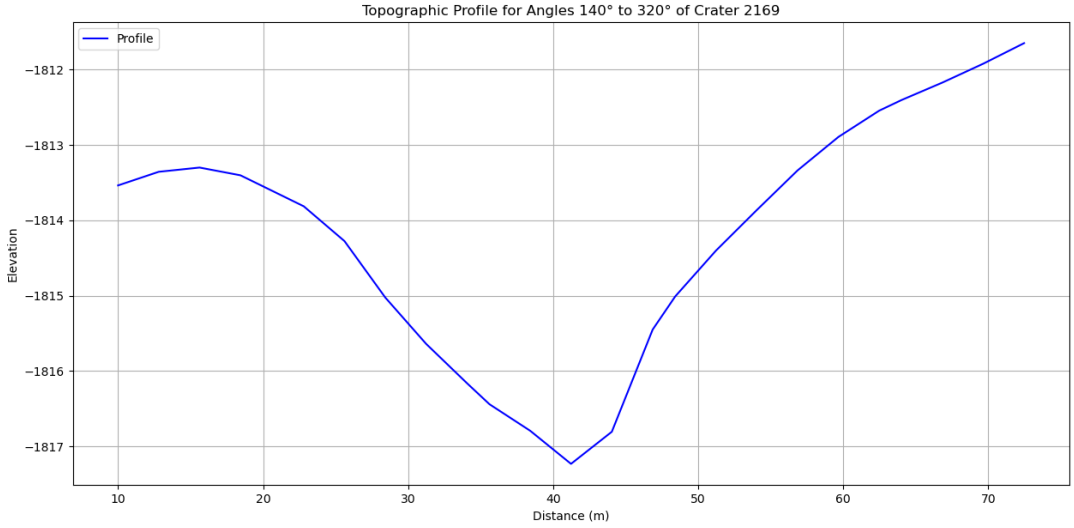
Topographic Profile for Angles 140° to 320° of Crater 2169
Profile
Elevation
Distance (m)
−1812
−1813
−1814
−1815
−1816
−1817
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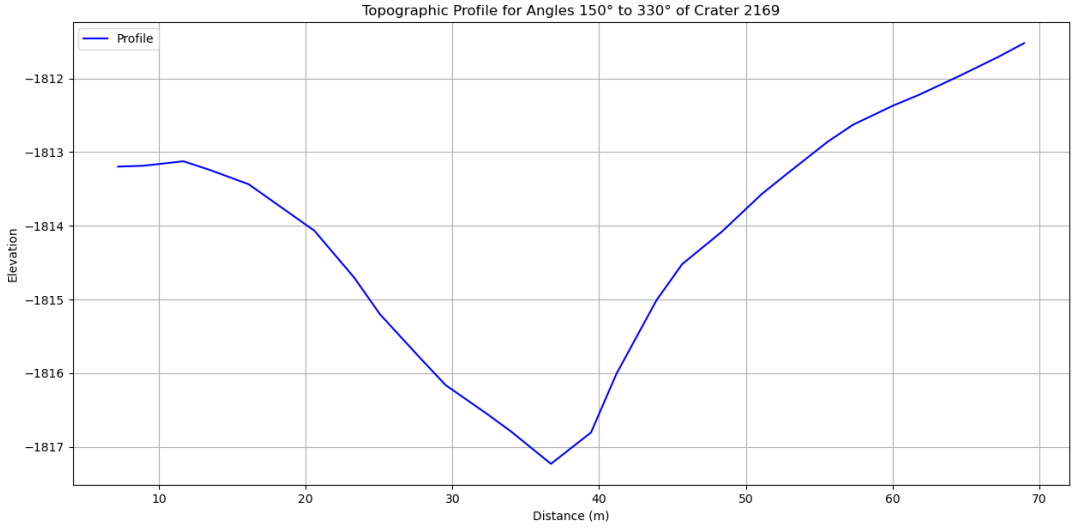
Topographic Profile for Angles 150° to 330° of Crater 2169
Profile
Elevation
Distance (m)
−1812
−1813
−1814
−1815
−1816
−1817
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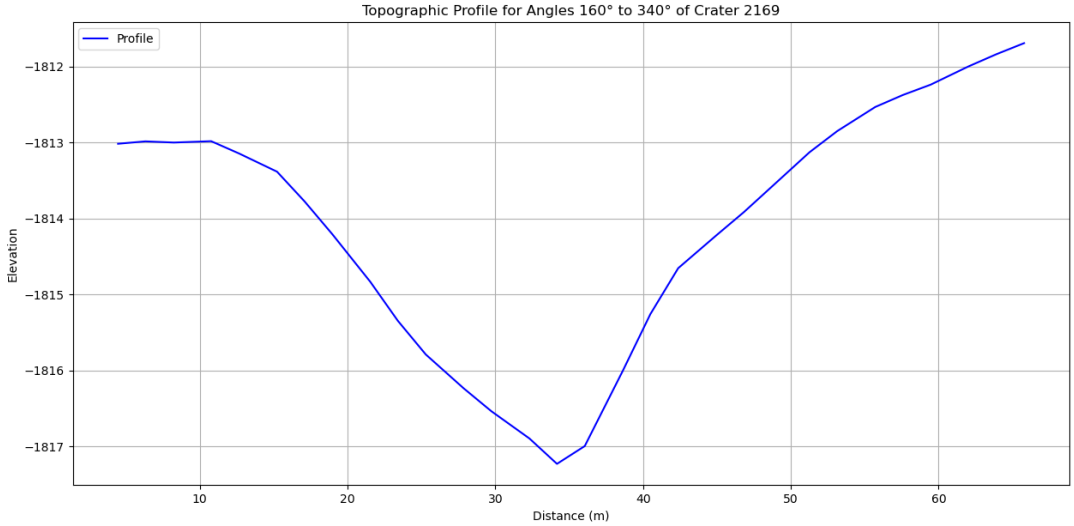
Topographic Profile for Angles 160° to 340° of Crater 2169
Profile
Elevation
Distance (m)
−1812
−1813
−1814
−1815
−1816
−1817
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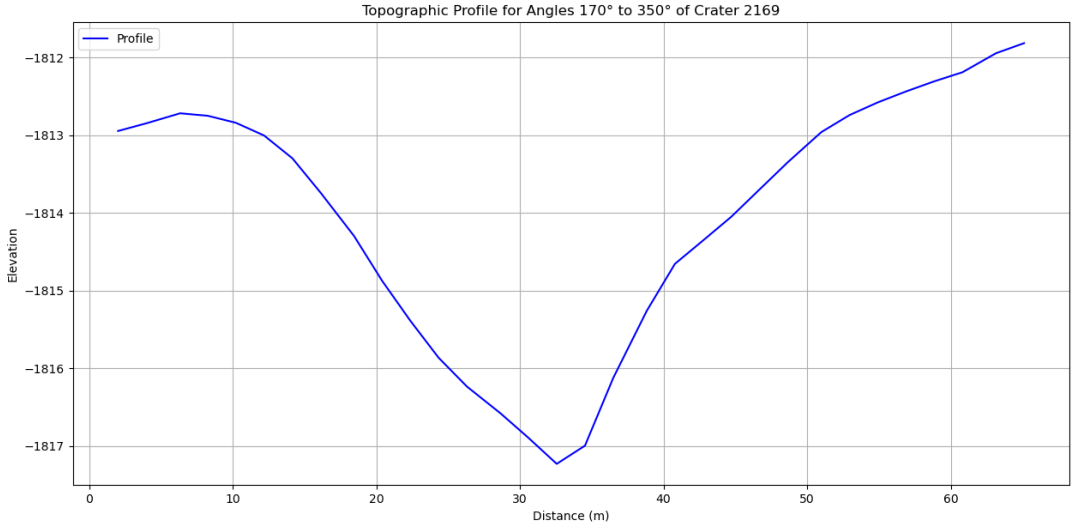
Topographic Profile for Angles 170° to 350° of Crater 2169
Profile
Elevation
−1812
−1813
−1814
−1815
−1816
−1817
0
10
20
30
40
50
60
Distance (m)