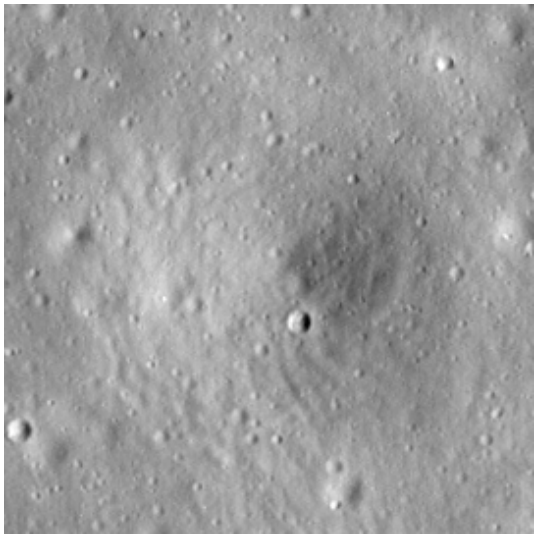
Crater report 1097 of RG2

General information



ID : 1097

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 136m ± 9.0m

Mean depht : 6.0m ± 0.4m

d/D ratio : 0.044 ± 0.004

Circularity index : 0.9

Mean slope : 6.31°

Mean value of TRI on the rim crest : 0.32

Geometric center coordinates : (3656963.8590917727, 225158.86375856405)

Coordinates of the crater's lowest point : (3656973.0000011004, 225163.00000006641)

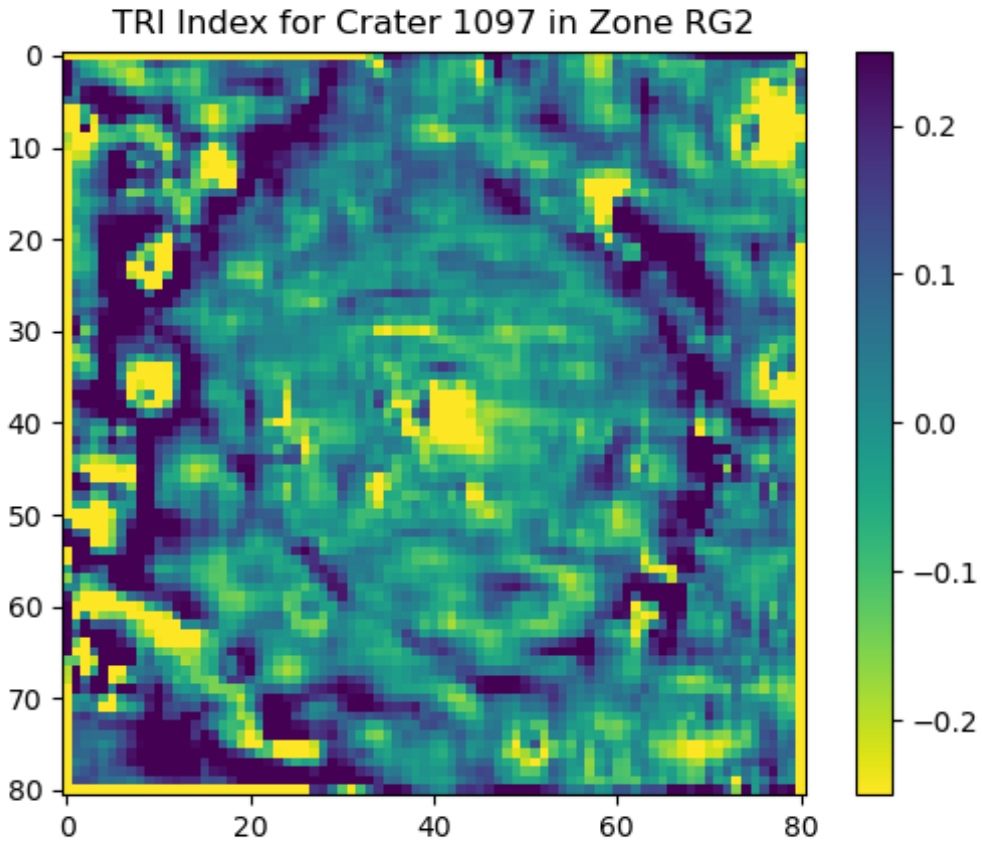
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	7.77	0.57
10°	7.28	0.54
20°	6.92	0.51
30°	6.78	0.48
40°	6.41	0.43
50°	5.8	0.43
60°	5.35	0.48
70°	5.35	0.52
80°	5.51	0.55
90°	5.59	0.57
100°	5.17	0.55
110°	5.01	0.52

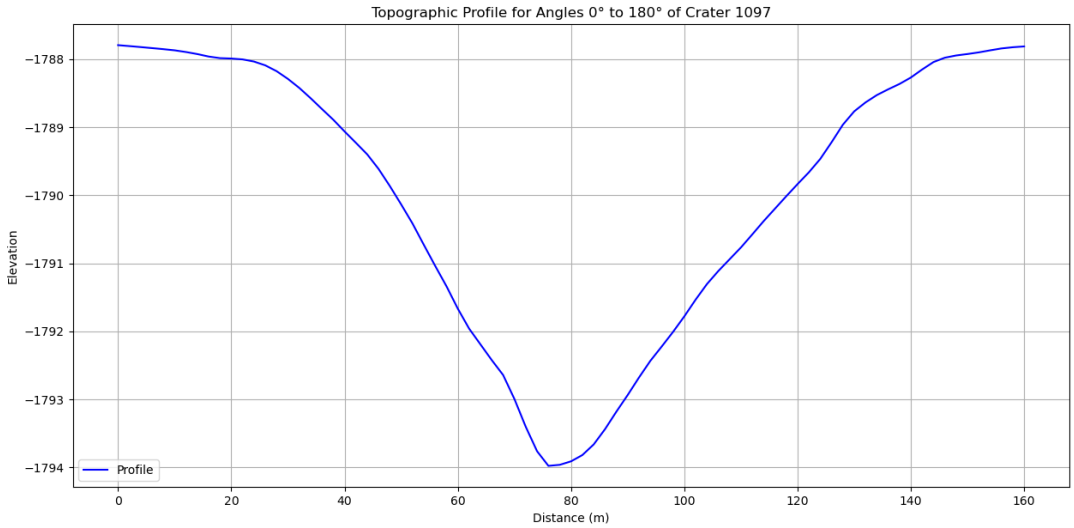
120°	4.85	0.48
130°	4.69	0.43
140°	4.51	0.43
150°	4.38	0.48
160°	4.82	0.52
170°	4.86	0.55
180°	5.5	0.57
190°	5.47	0.54
200°	5.48	0.52
210°	5.7	0.48
220°	6.4	0.43
230°	6.91	0.43
240°	7.1	0.48
250°	7.45	0.52
260°	7.78	0.54
270°	7.99	0.57
280°	7.57	0.54
290°	7.2	0.51
300°	7.27	0.48
310°	7.56	0.44
320°	7.8	0.44
330°	7.73	0.48
340°	7.68	0.51
350°	7.65	0.55

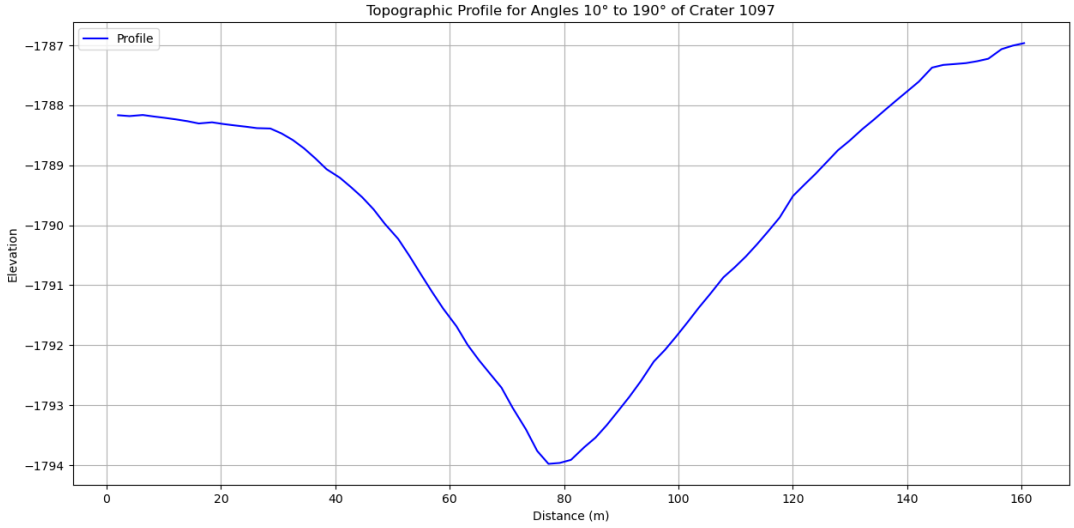
Topographic roughness index (TRI)

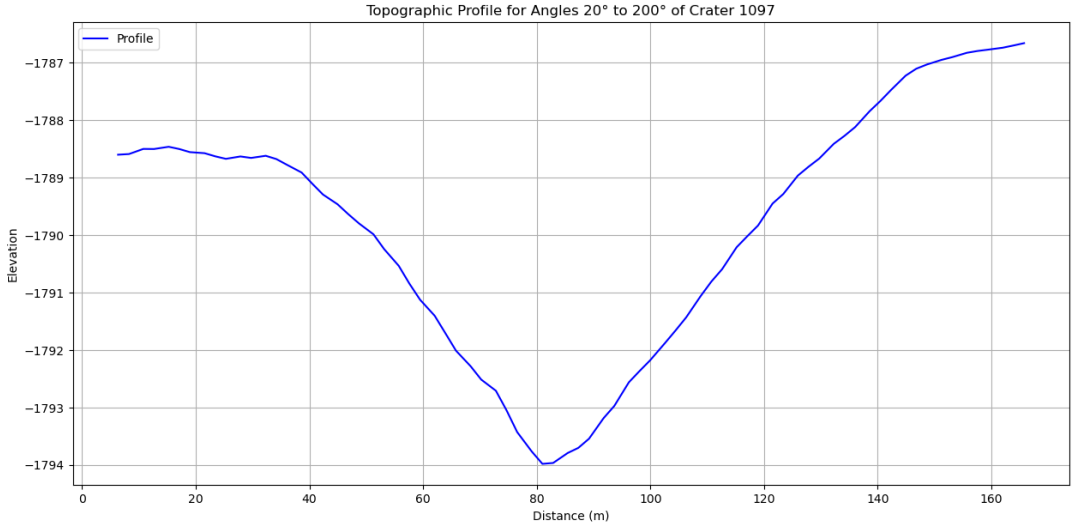
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

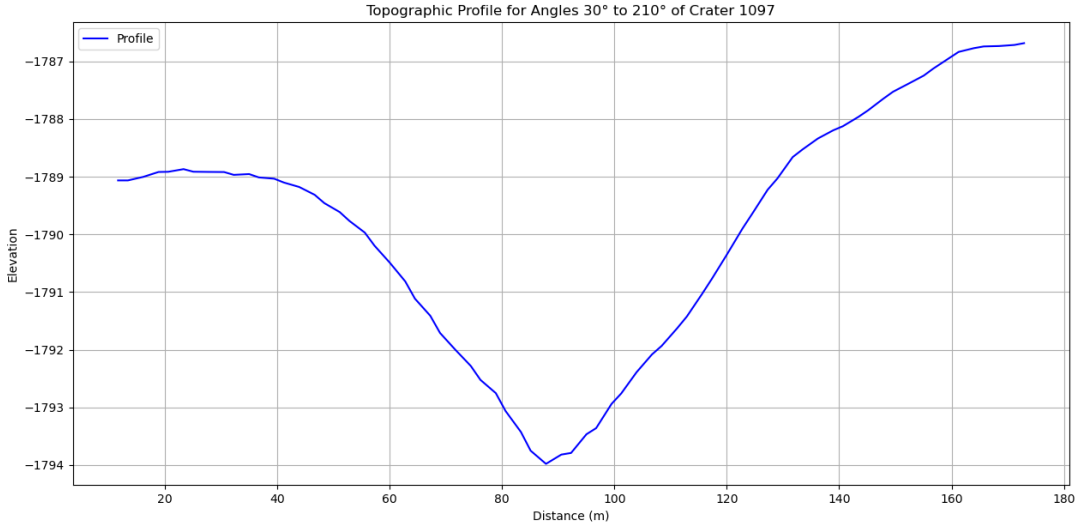


Topographic profiles




Topographic Profile for Angles 10° to 190° of Crater 1097
Profile
Elevation
Distance (m)
−1787
−1788
−1789
−1790
−1791
−1792
−1793
−1794
0
20
40
60
80
100
120
140
160


Topographic Profile for Angles 20° to 200° of Crater 1097
Profile
Elevation
Distance (m)
−1787
−1788
−1789
−1790
−1791
−1792
−1793
−1794
0
20
40
60
80
100
120
140
160


Topographic Profile for Angles 30° to 210° of Crater 1097
Profile
Elevation
Distance (m)
−1787
−1788
−1789
−1790
−1791
−1792
−1793
−1794
20
40
60
80
100
120
140
160
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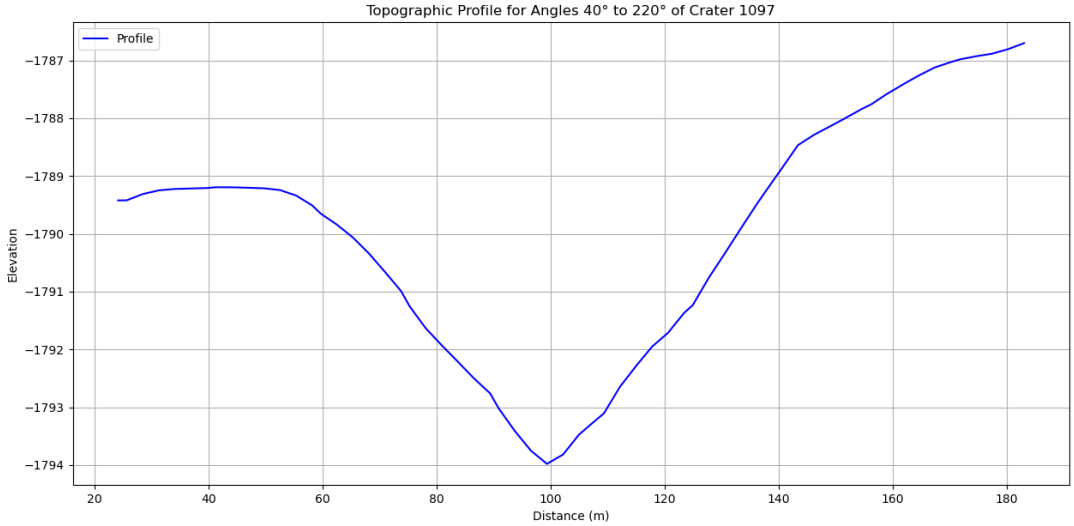
Topographic Profile for Angles 40° to 220° of Crater 1097
Profile
Elevation
Distance (m)
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−1788
−1789
−1790
−1791
−1792
−1793
−1794
20
40
60
80
100
120
140
160
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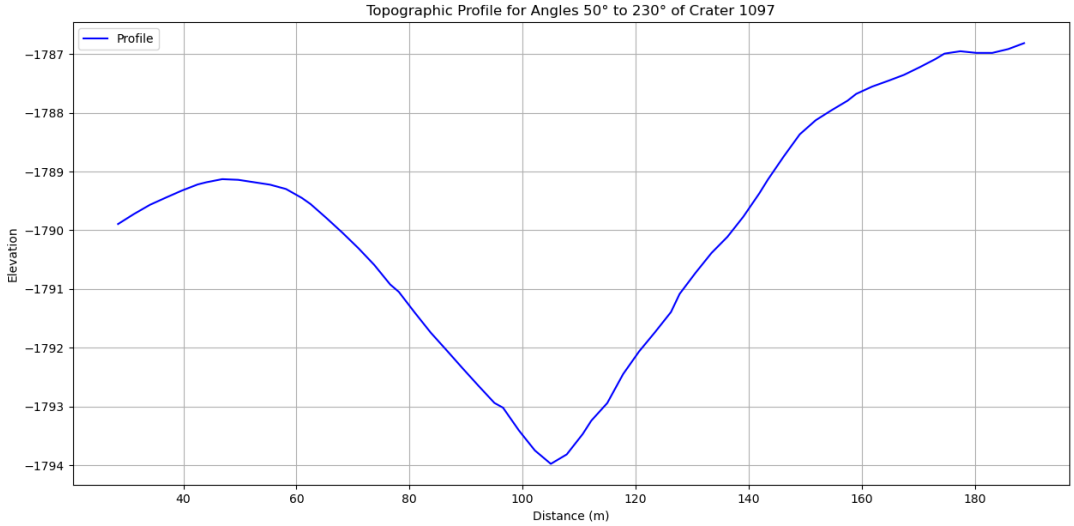
Topographic Profile for Angles 50° to 230° of Crater 1097
Profile
Elevation
Distance (m)
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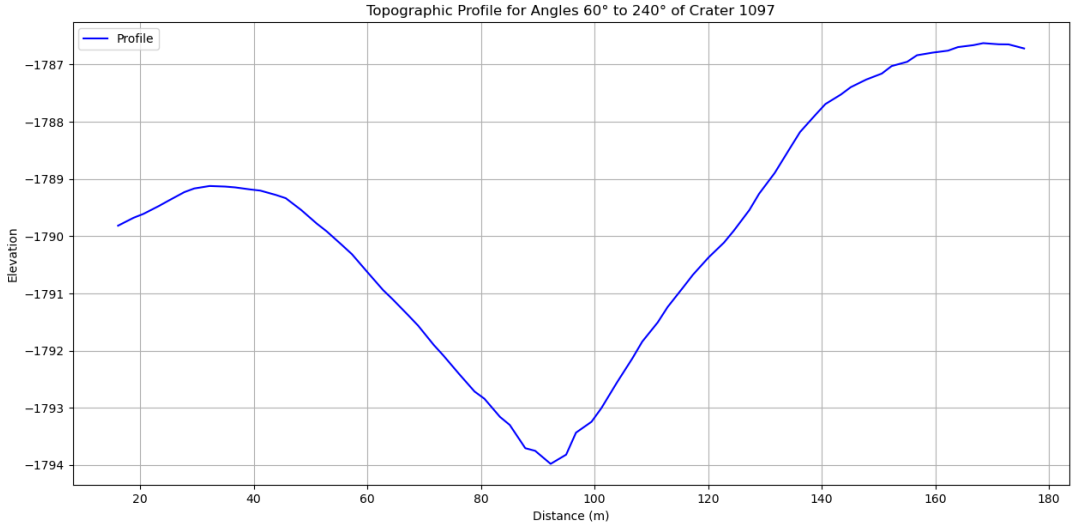
−1788
−1789
−1790
−1791
−1792
−1793
−1794
40
60
80
100
120
140
160
180


Topographic Profile for Angles 60° to 240° of Crater 1097
Profile
Elevation
Distance (m)
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−1788
−1789
−1790
−1791
−1792
−1793
−1794
20
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80
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140
160
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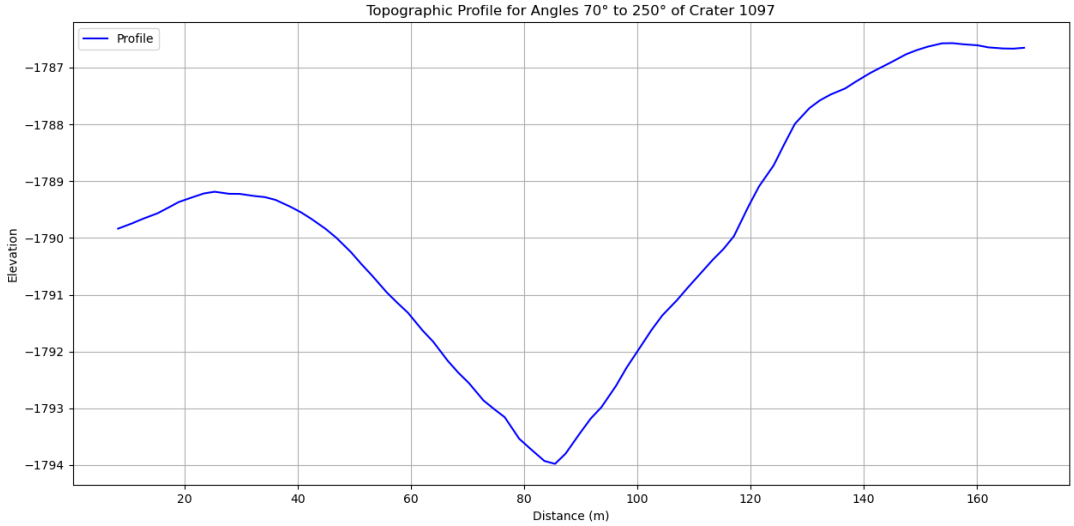
Topographic Profile for Angles 70° to 250° of Crater 1097
Profile
Elevation
Distance (m)
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−1788
−1789
−1790
−1791
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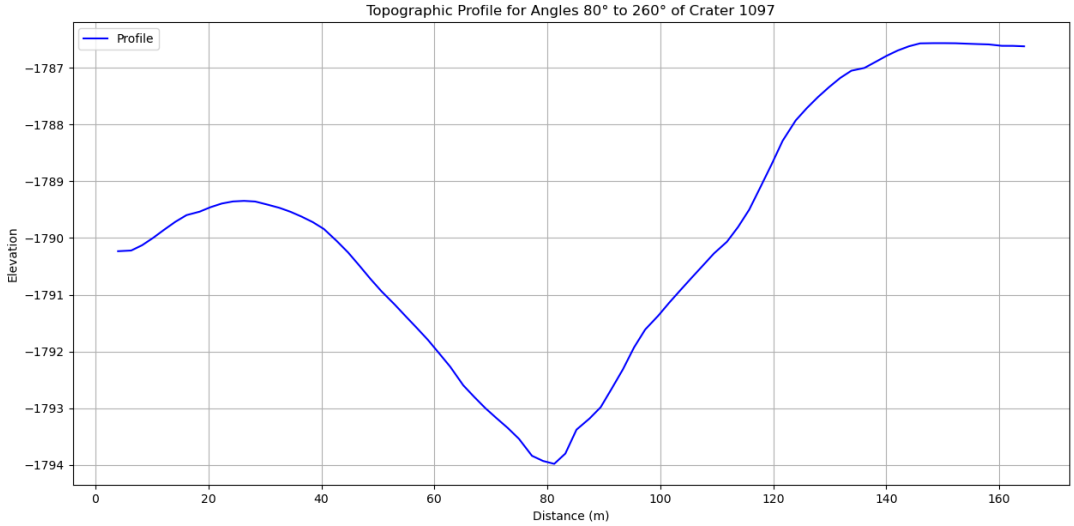
−1794
20
40
60
80
100
120
140
160


Topographic Profile for Angles 80° to 260° of Crater 1097
Profile
Elevation
Distance (m)
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−1788
−1789
−1790
−1791
−1792
−1793
−1794
0
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60
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100
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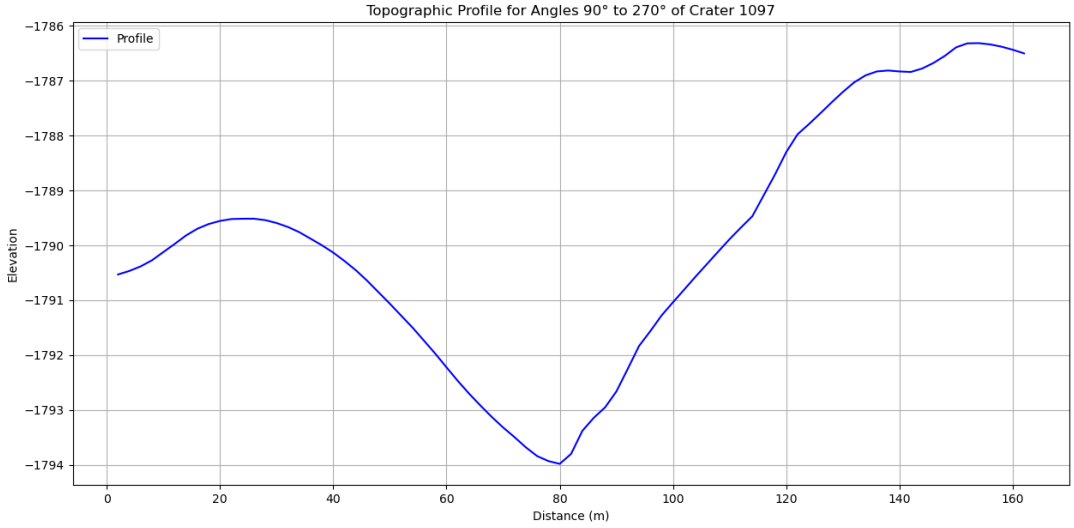
Topographic Profile for Angles 90° to 270° of Crater 1097
Profile
Elevation
Distance (m)
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−1787
−1788
−1789
−1790
−1791
−1792
−1793
−1794
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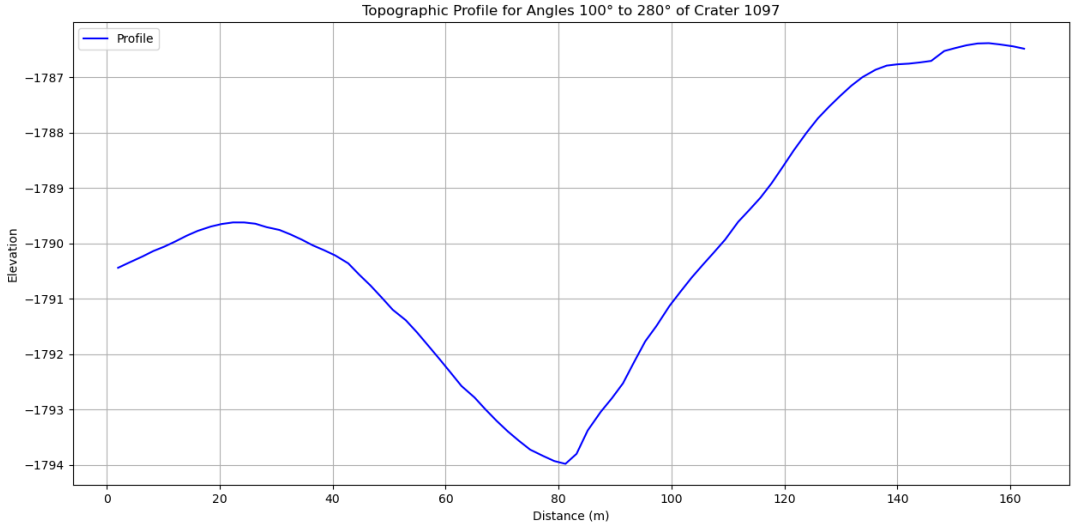
Topographic Profile for Angles 100° to 280° of Crater 1097
Profile
Elevation
Distance (m)
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−1788
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−1790
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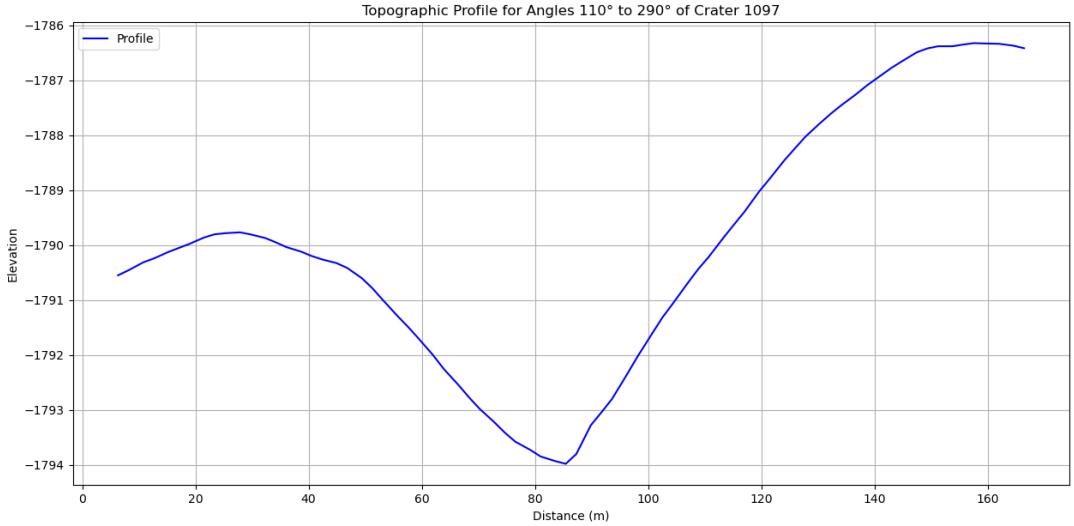
Topographic Profile for Angles 110° to 290° of Crater 1097
Profile
Elevation
Distance (m)
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−1787
−1788
−1789
−1790
−1791
−1792
−1793
−1794
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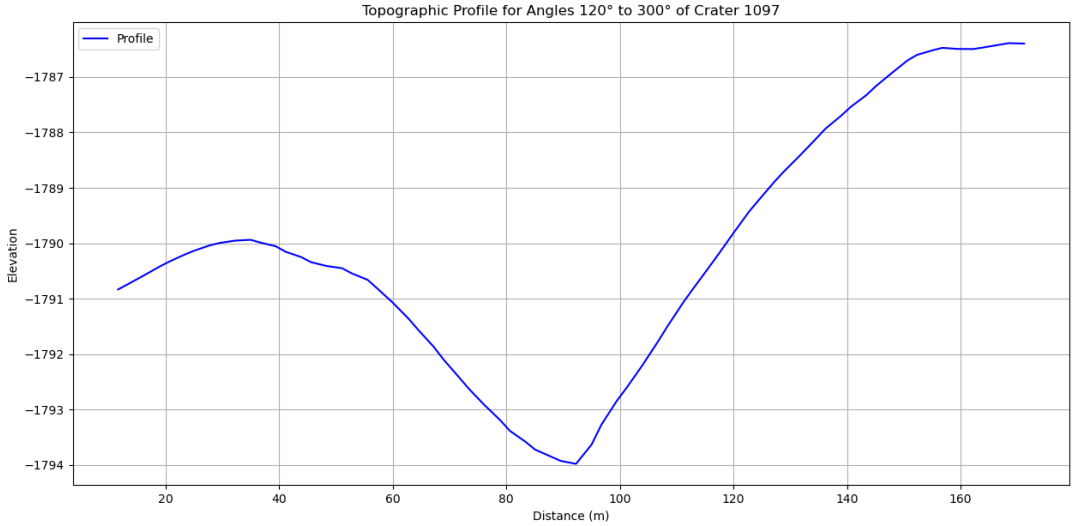
Topographic Profile for Angles 120° to 300° of Crater 1097
Profile
Elevation
Distance (m)
−1787
−1788
−1789
−1790
−1791
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−1793
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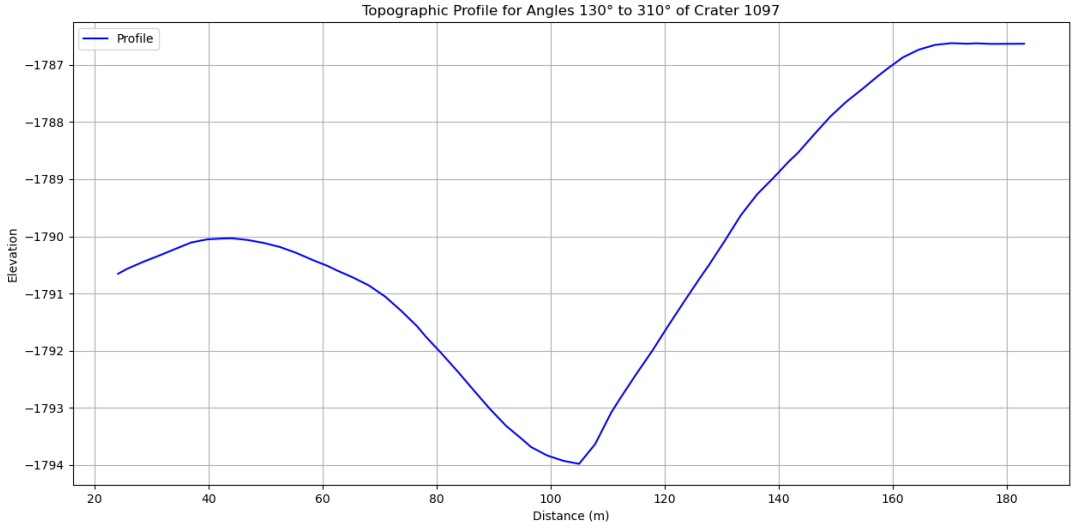
Topographic Profile for Angles 130° to 310° of Crater 1097
Profile
Elevation
Distance (m)
−1787
−1788
−1789
−1790
−1791
−1792
−1793
−1794
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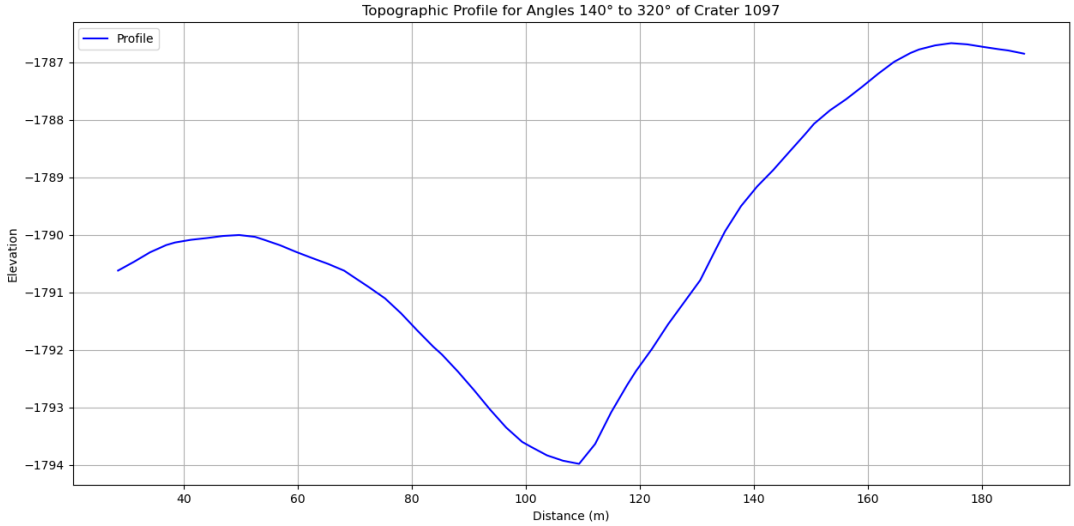
Topographic Profile for Angles 140° to 320° of Crater 1097
Profile
Elevation
Distance (m)
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−1788
−1789
−1790
−1791
−1792
−1793
−1794
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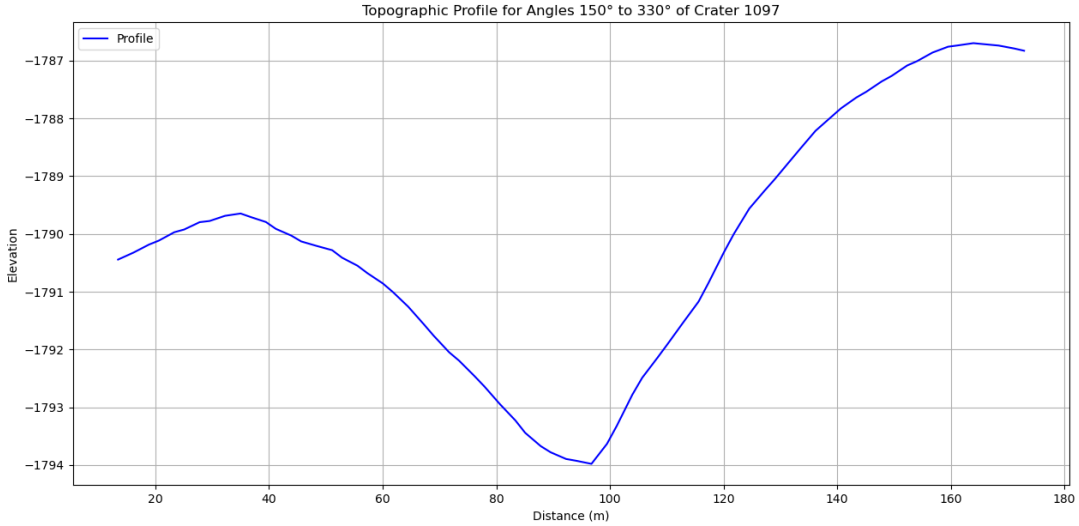
Topographic Profile for Angles 150° to 330° of Crater 1097
Profile
Elevation
Distance (m)
−1787
−1788
−1789
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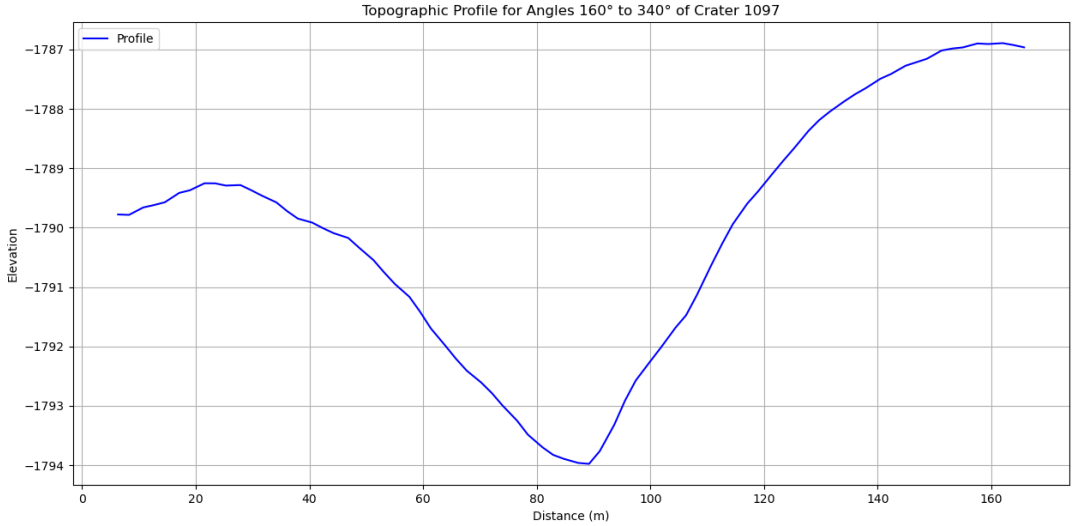
Topographic Profile for Angles 160° to 340° of Crater 1097
Profile
Elevation
Distance (m)
−1787
−1788
−1789
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−1793
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0
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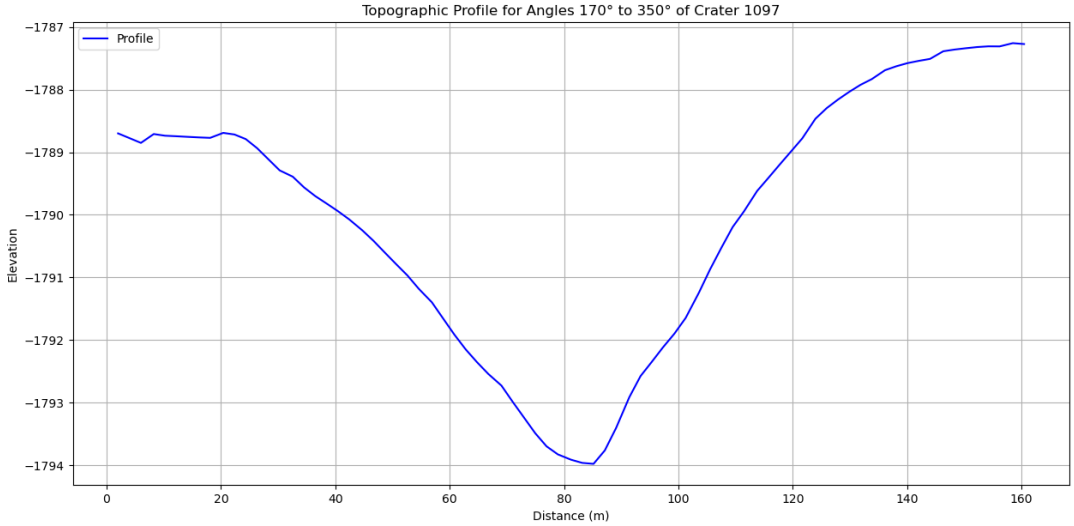
Topographic Profile for Angles 170° to 350° of Crater 1097
Profile
Elevation
Distance (m)
−1787
−1788
−1789
−1790
−1791
−1792
−1793
−1794
0
20
40
60
80
100
120
140
160