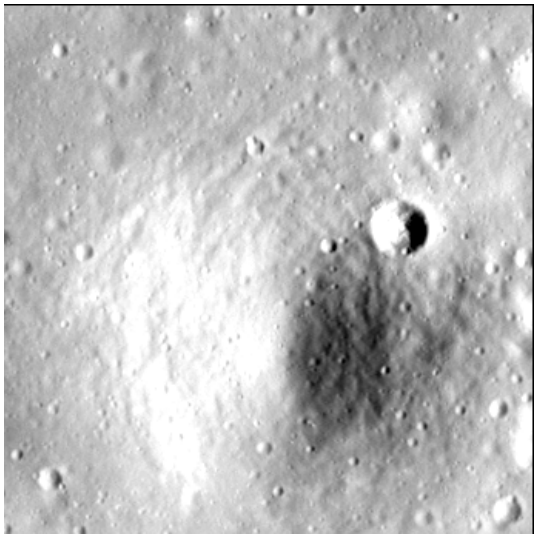
Crater report 2011 of RG2

General information



ID : 2011

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : B

Mean Diameter : 177m ± 8.0m

Mean depht : 18.8m ± 0.3m

d/D ratio : 0.106 ± 0.005

Circularity index : 0.96

Slope : Between 12.91° et 18.59°

Mean value of TRI on the rim crest : 0.45

Geometric center coordinates : (3655334.3274317514, 219102.04651343083)

Coordinates of the crater's lowest point : (3655341.0000011, 219087.0000000646)

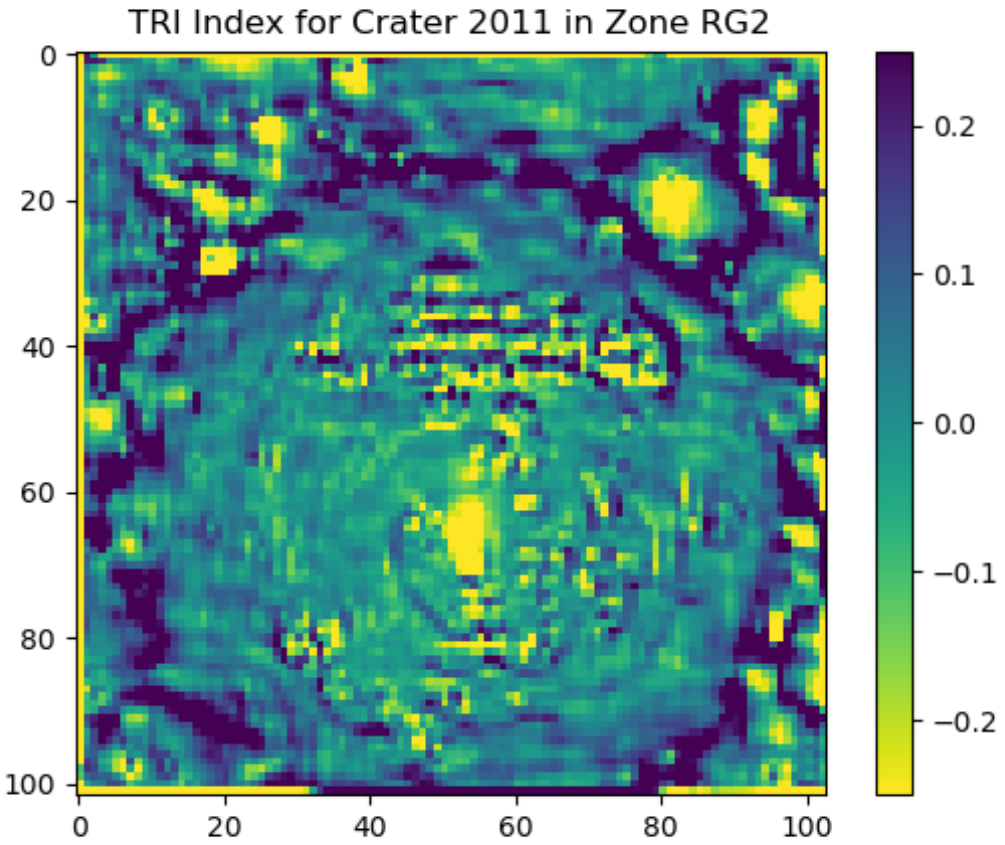
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	16.2	0.56
10°	16.01	0.53
20°	15.52	0.51
30°	14.69	0.47
40°	13.81	0.43
50°	14.04	0.43
60°	14.51	0.48
70°	13.77	0.51
80°	14.1	0.54
90°	15.39	0.56
100°	15.23	0.54
110°	15.45	0.5

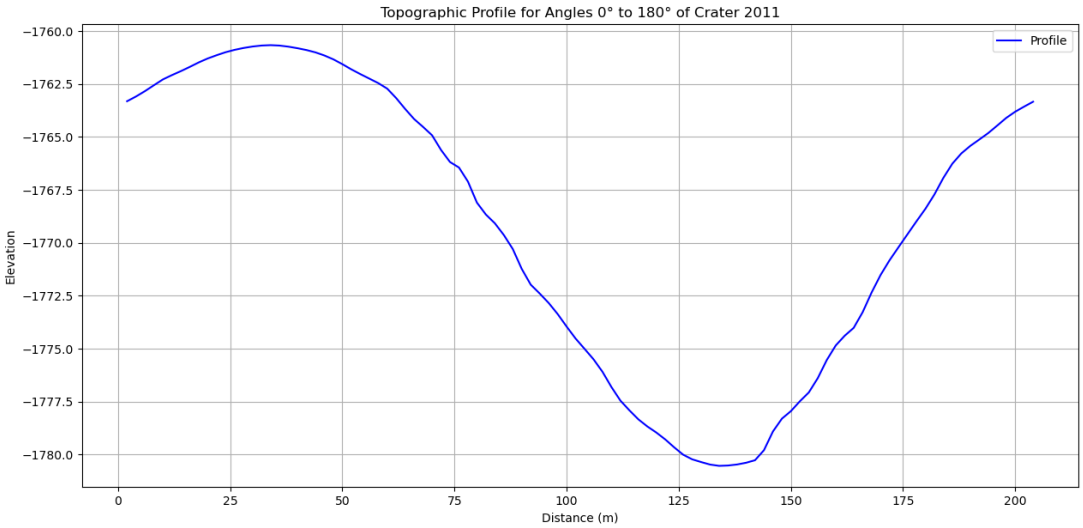
120°	15.87	0.48
130°	15.55	0.42
140°	16.02	0.42
150°	15.97	0.47
160°	16.94	0.51
170°	17.47	0.54
180°	18.59	0.56
190°	16.58	0.54
200°	14.25	0.51
210°	14.6	0.48
220°	14.79	0.44
230°	15.26	0.43
240°	14.81	0.48
250°	14.43	0.51
260°	14.16	0.54
270°	14.17	0.56
280°	13.06	0.54
290°	12.91	0.51
300°	13.23	0.47
310°	13.63	0.43
320°	14.26	0.43
330°	13.56	0.48
340°	14.19	0.51
350°	15.51	0.53

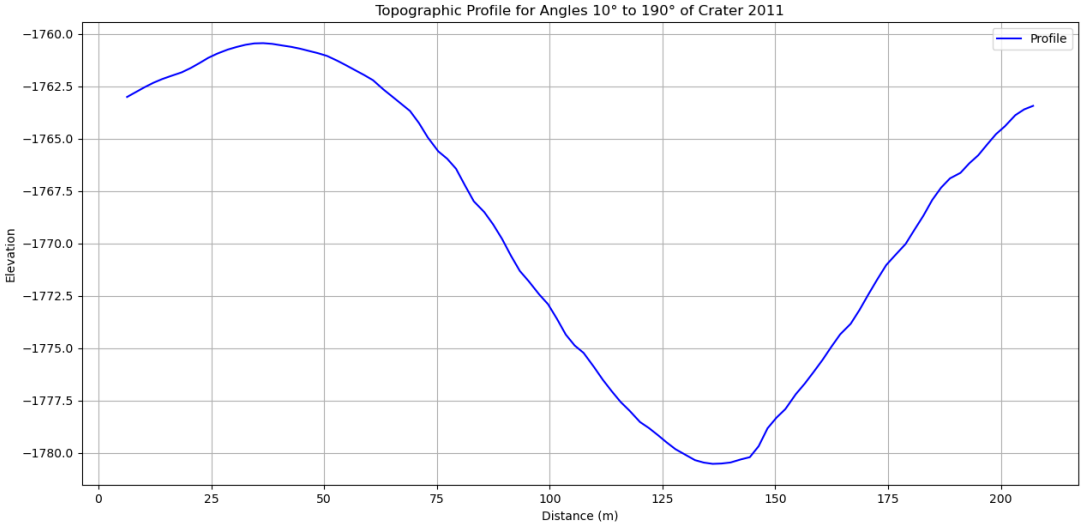
Topographic roughness index (TRI)

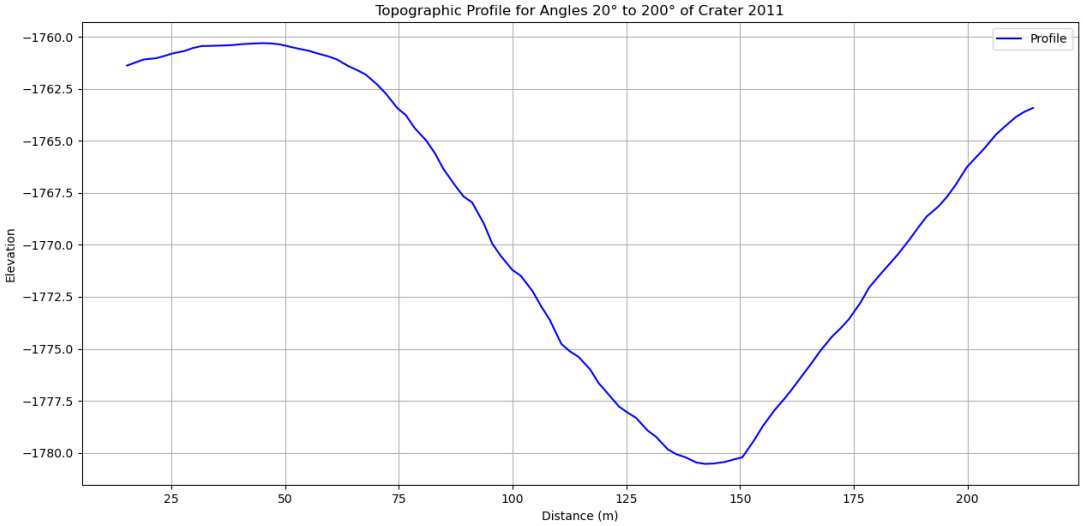
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.



Topographic profiles




Topographic Profile for Angles 10° to 190° of Crater 2011
Profile
Elevation
−1760.0
−1762.5
−1765.0
−1767.5
−1770.0
−1772.5
−1775.0
−1777.5
−1780.0
0
25
50
75
100
125
150
175
200
Distance (m)


Topographic Profile for Angles 20° to 200° of Crater 2011
Profile
Elevation
−1760.0
−1762.5
−1765.0
−1767.5
−1770.0
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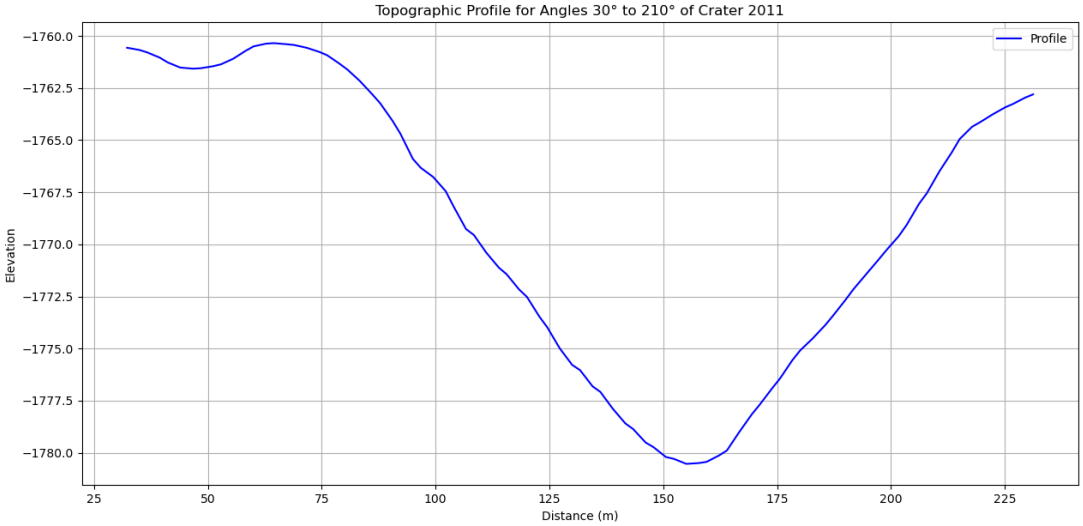
−1780.0
25
50
75
100
125
150
175
200
Distance (m)


Topographic Profile for Angles 30° to 210° of Crater 2011
Profile
Elevation
Distance (m)
−1760.0
−1762.5
−1765.0
−1767.5
−1770.0
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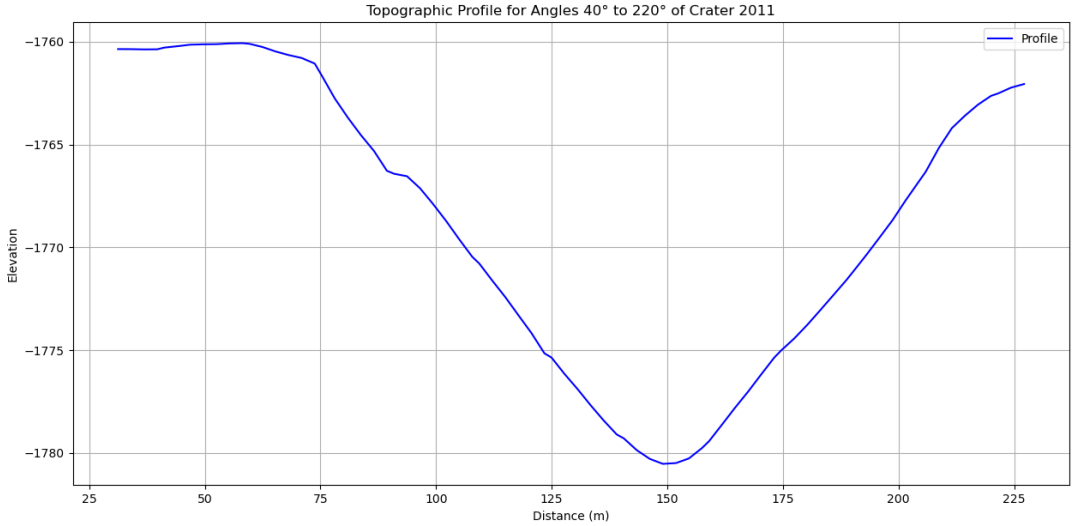
−1777.5
−1780.0
25
50
75
100
125
150
175
200
225


Topographic Profile for Angles 40° to 220° of Crater 2011
Profile
Elevation
Distance (m)
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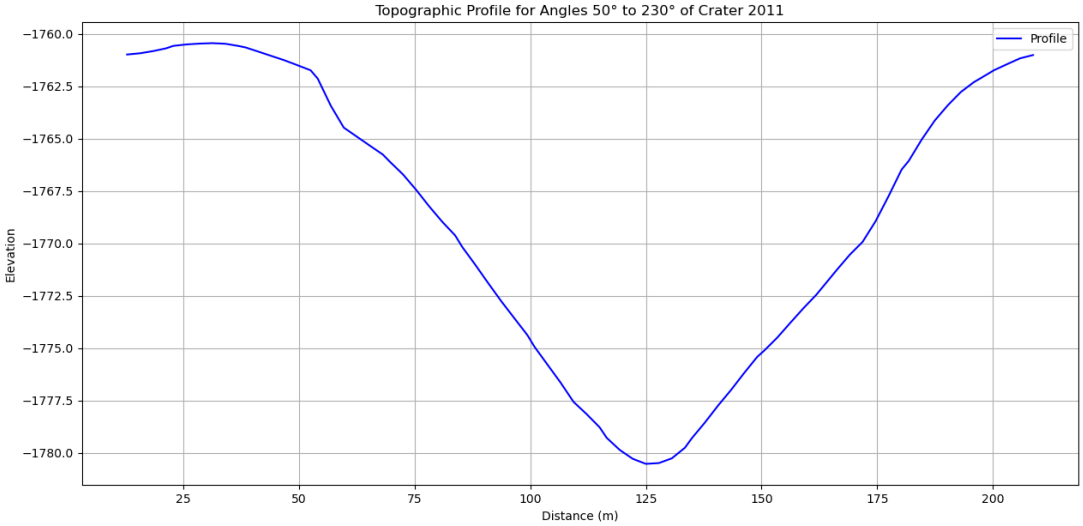
−1765
−1770
−1775
−1780
25
50
75
100
125
150
175
200
225


Topographic Profile for Angles 50° to 230° of Crater 2011
Profile
Elevation
−1760.0
−1762.5
−1765.0
−1767.5
−1770.0
−1772.5
−1775.0
−1777.5
−1780.0
25
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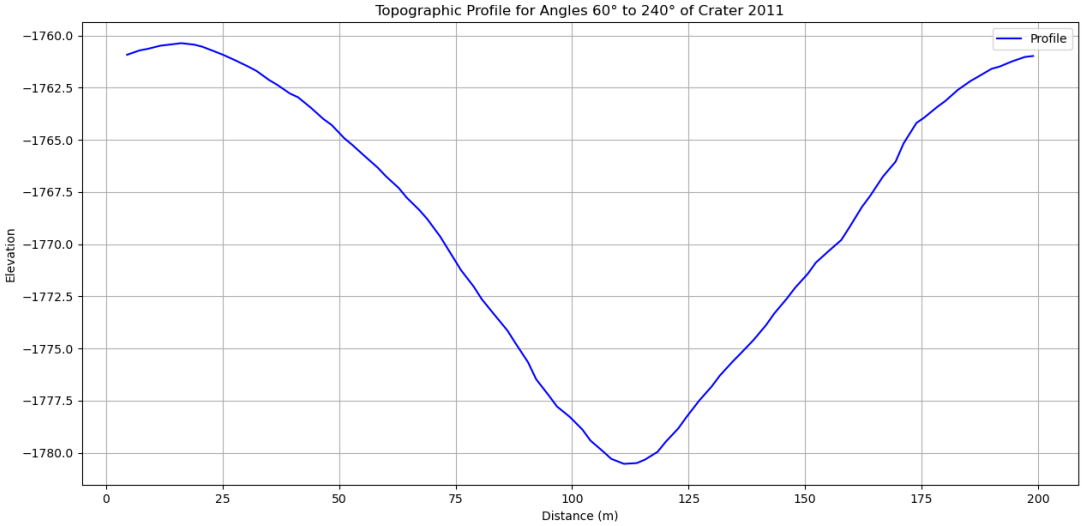
100
125
150
175
200
Distance (m)


Topographic Profile for Angles 60° to 240° of Crater 2011
Profile
Elevation
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−1762.5
−1765.0
−1767.5
−1770.0
−1772.5
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−1777.5
−1780.0
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25
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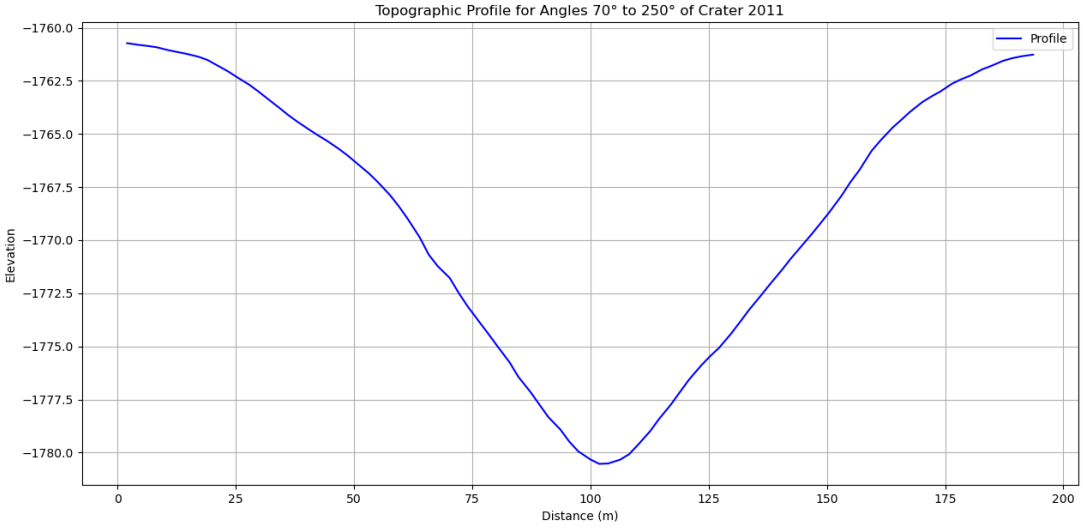
100
125
150
175
200
Distance (m)


Topographic Profile for Angles 70° to 250° of Crater 2011
Profile
Elevation
Distance (m)
−1760.0
−1762.5
−1765.0
−1767.5
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−1772.5
−1775.0
−1777.5
−1780.0
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25
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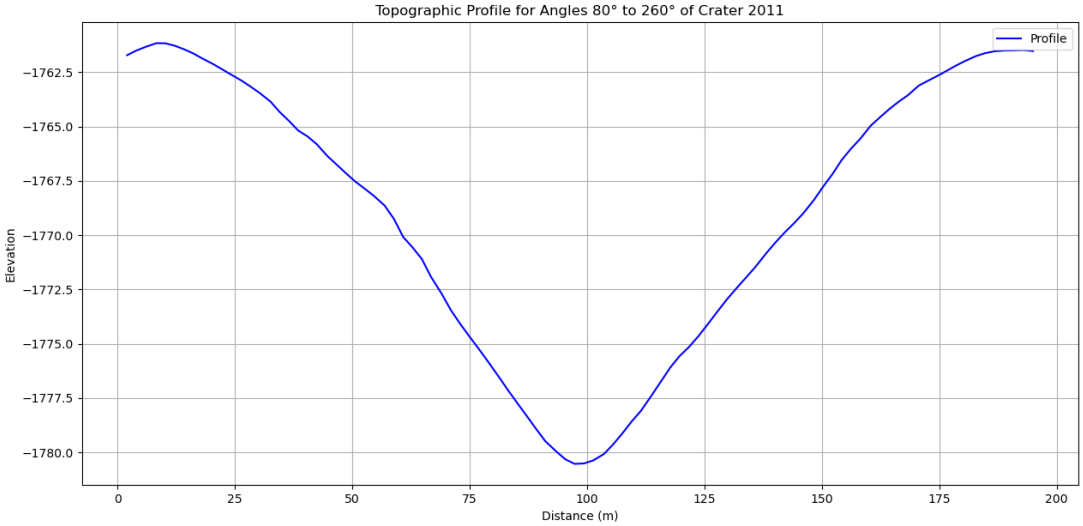
75
100
125
150
175
200


Topographic Profile for Angles 80° to 260° of Crater 2011
Profile
Elevation
Distance (m)
−1762.5
−1765.0
−1767.5
−1770.0
−1772.5
−1775.0
−1777.5
−1780.0
0
25
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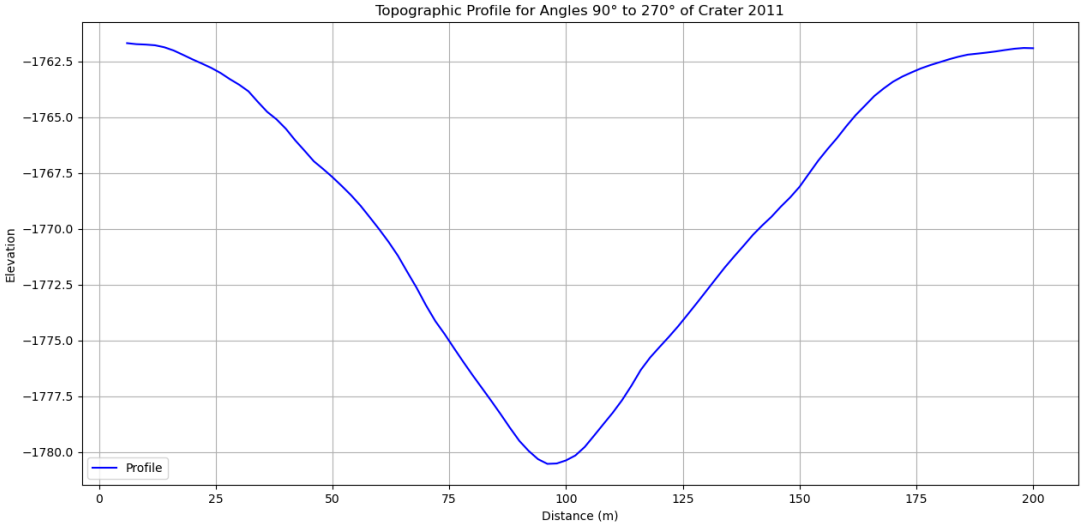
Topographic Profile for Angles 90° to 270° of Crater 2011
Elevation
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−1767.5
−1770.0
−1772.5
−1775.0
−1777.5
−1780.0
Profile
0
25
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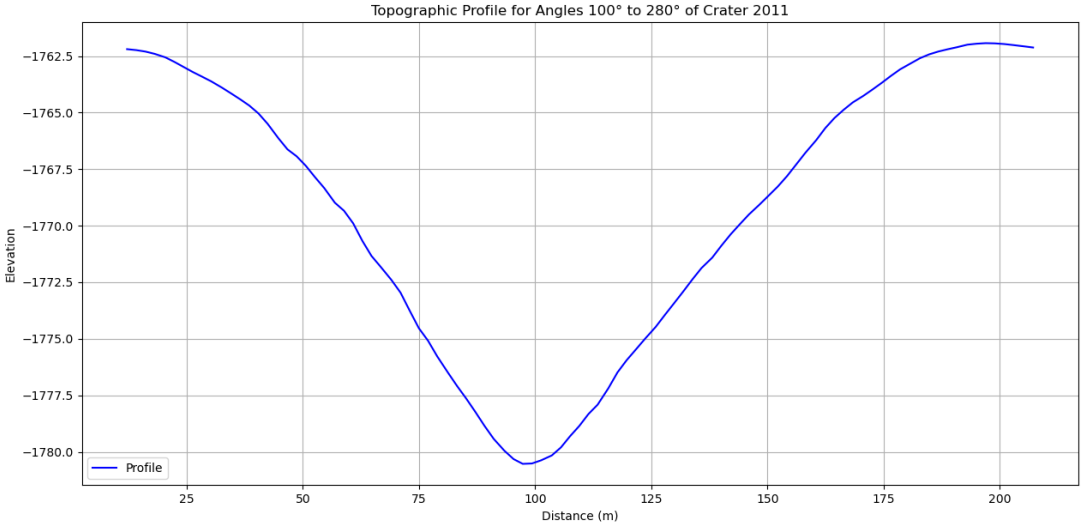
75
100
125
150
175
200
Distance (m)


Topographic Profile for Angles 100° to 280° of Crater 2011
Elevation
−1762.5
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−1767.5
−1770.0
−1772.5
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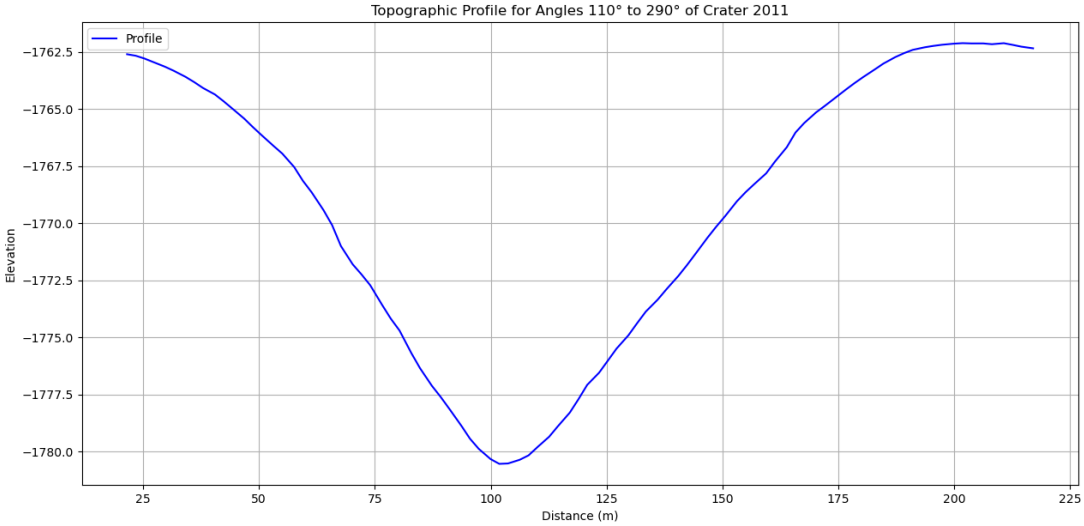
−1777.5
−1780.0
Profile
25
50
75
100
125
150
175
200
Distance (m)


Topographic Profile for Angles 110° to 290° of Crater 2011
Profile
Elevation
Distance (m)
−1762.5
−1765.0
−1767.5
−1770.0
−1772.5
−1775.0
−1777.5
−1780.0
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100
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200
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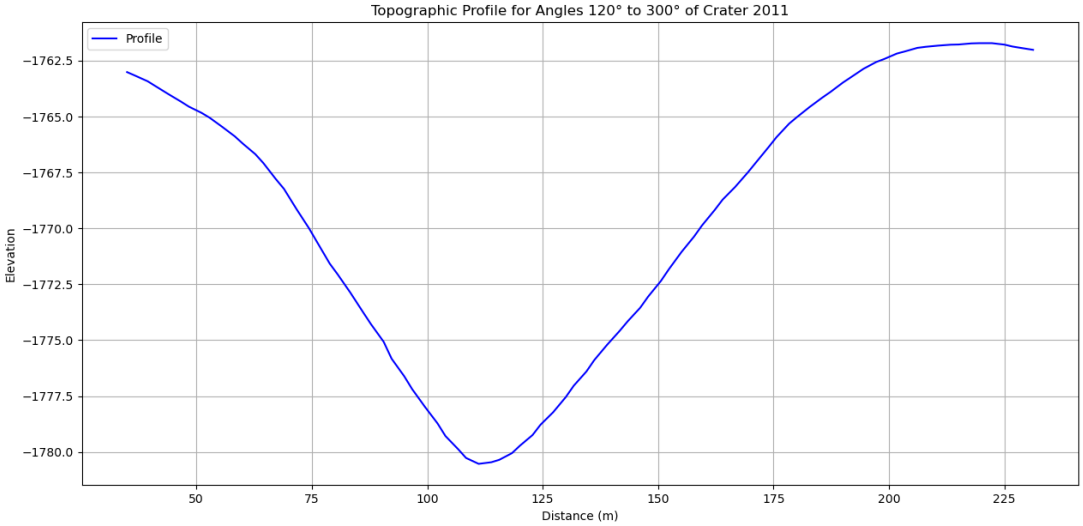
Topographic Profile for Angles 120° to 300° of Crater 2011
Profile
Elevation
Distance (m)
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−1765.0
−1767.5
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50
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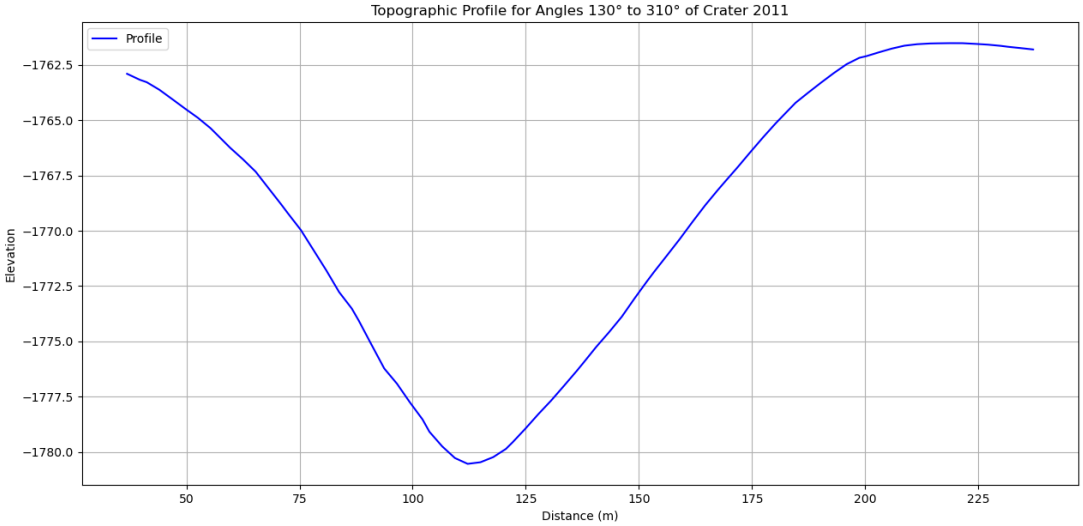
Topographic Profile for Angles 130° to 310° of Crater 2011
Profile
Elevation
−1762.5
−1765.0
−1767.5
−1770.0
−1772.5
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−1777.5
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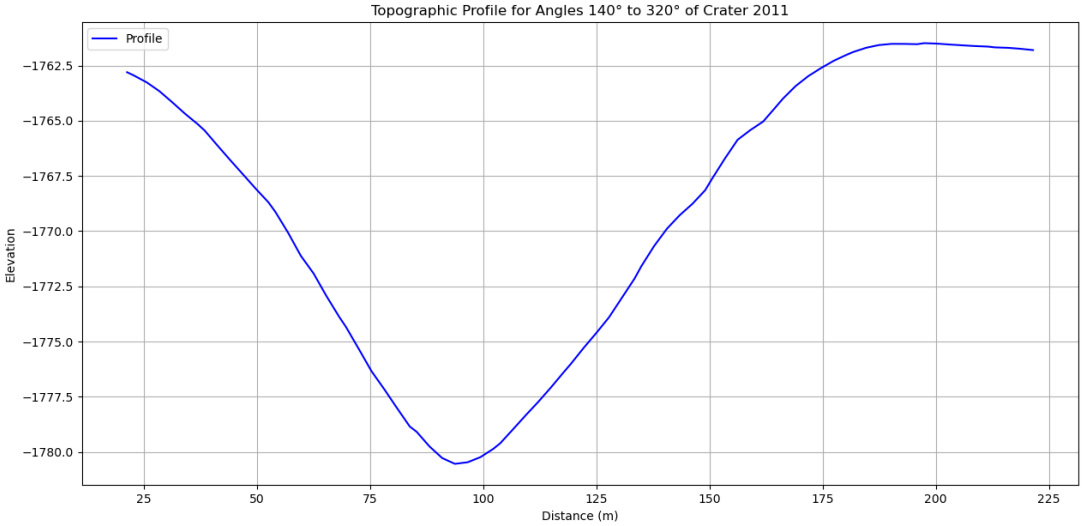
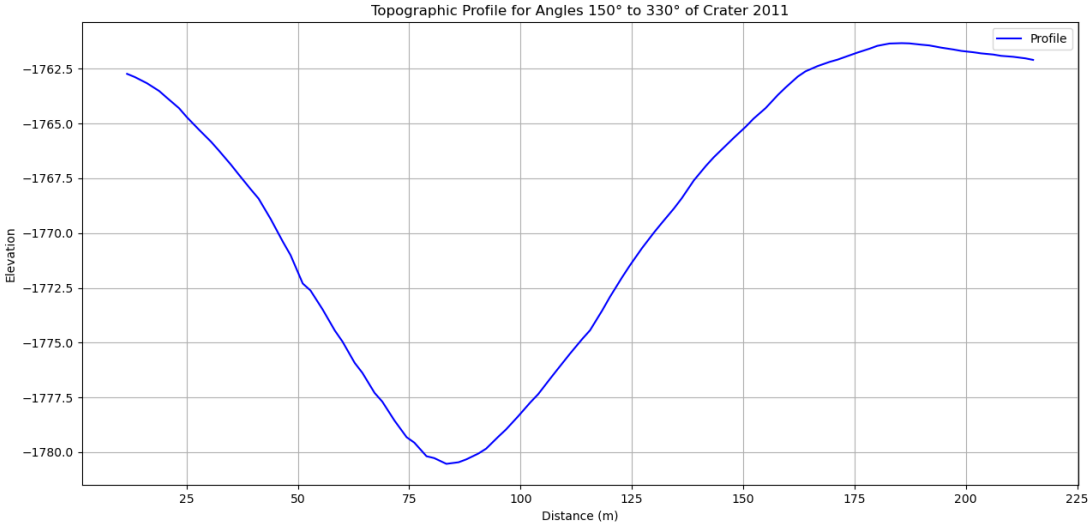
50
75
100
125
150
175
200
225
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 2011
Profile
Elevation
−1762.5
−1765.0
−1767.5
−1770.0
−1772.5
−1775.0
−1777.5
−1780.0
25
50
75
100
125
150
175
200
225
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 2011
Profile
Elevation
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−1767.5
−1770.0
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25
50
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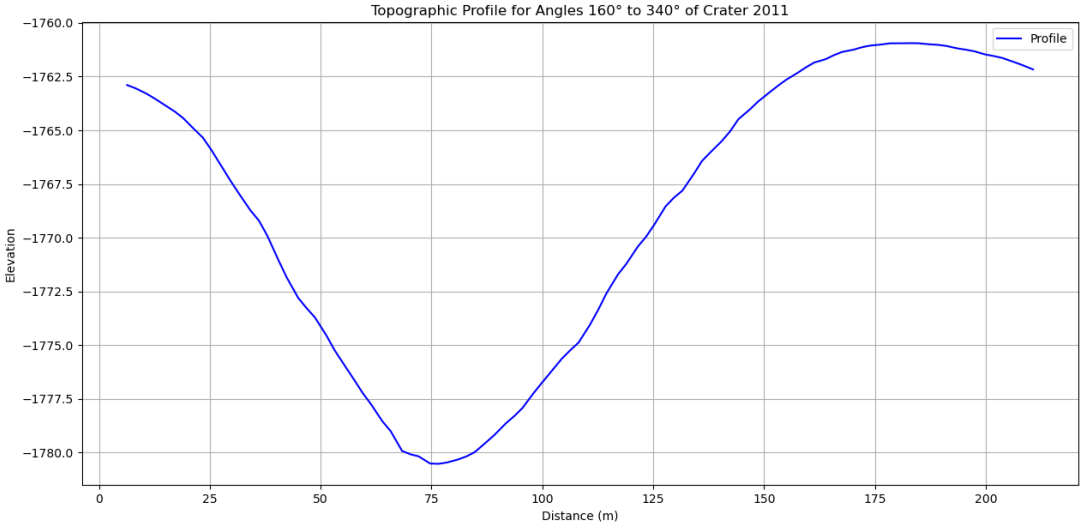
100
125
150
175
200
225
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 2011
Profile
Elevation
−1760.0
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−1765.0
−1767.5
−1770.0
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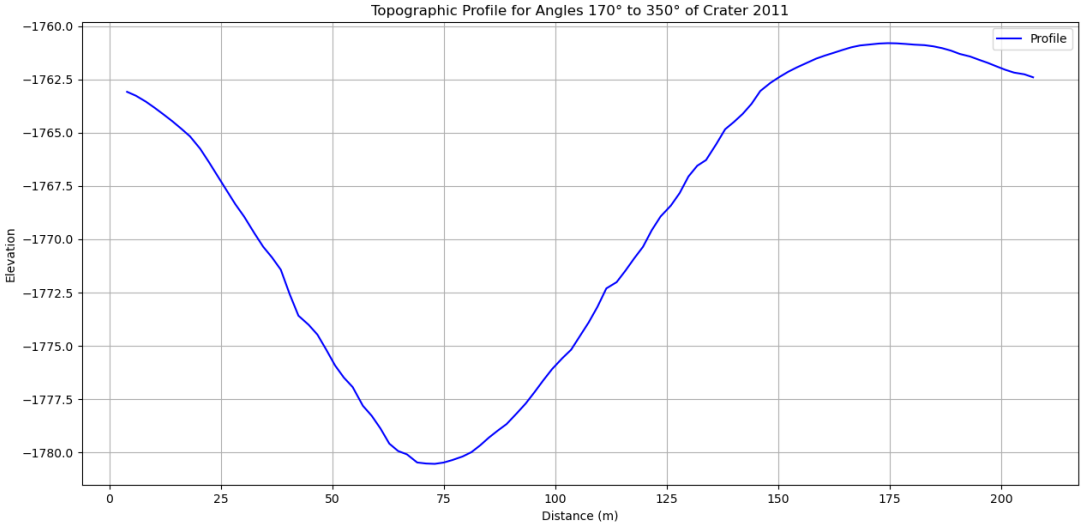
−1780.0
0
25
50
75
100
125
150
175
200
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 2011
Profile
Elevation
Distance (m)
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−1762.5
−1765.0
−1767.5
−1770.0
−1772.5
−1775.0
−1777.5
−1780.0
0
25
50
75
100
125
150
175
200