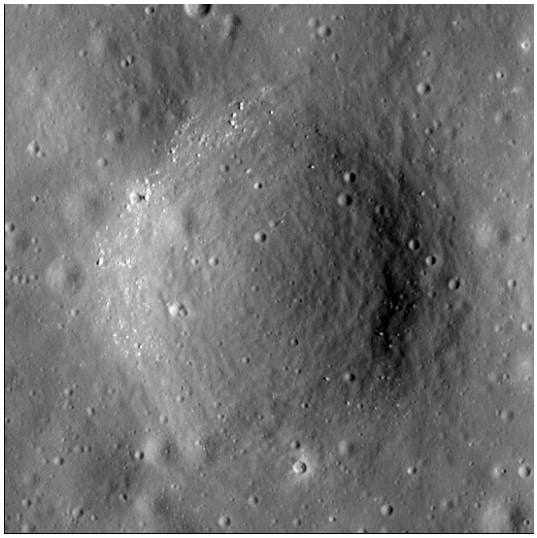
Crater report 227 of RG2

General information



ID : 227

Study area : RG2

Swirl : off-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 301m ± 20.0m

Mean depht : 19.0m ± 0.6m

d/D ratio : 0.063 ± 0.005

Circularity index : 0.92

Mean slope : 8.04°

Mean value of TRI on the rim crest : 0.31

Geometric center coordinates : (3655812.735837279, 233750.30423219217)

Coordinates of the crater's lowest point : (3655811.0000011, 233743.000000069)

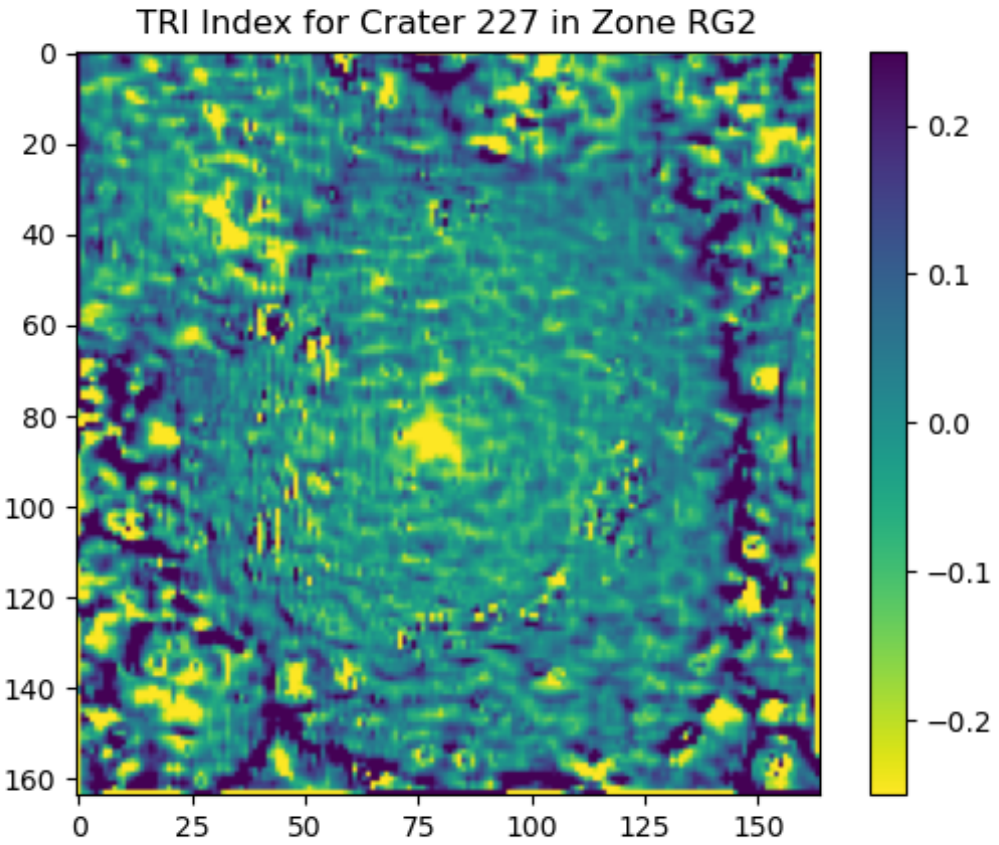
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	8.4	0.57
10°	7.93	0.54
20°	7.87	0.51
30°	8.2	0.48
40°	9.02	0.43
50°	9.27	0.43
60°	9.2	0.48
70°	8.95	0.51
80°	9.05	0.54
90°	9.31	0.57
100°	9.01	0.54
110°	8.37	0.51

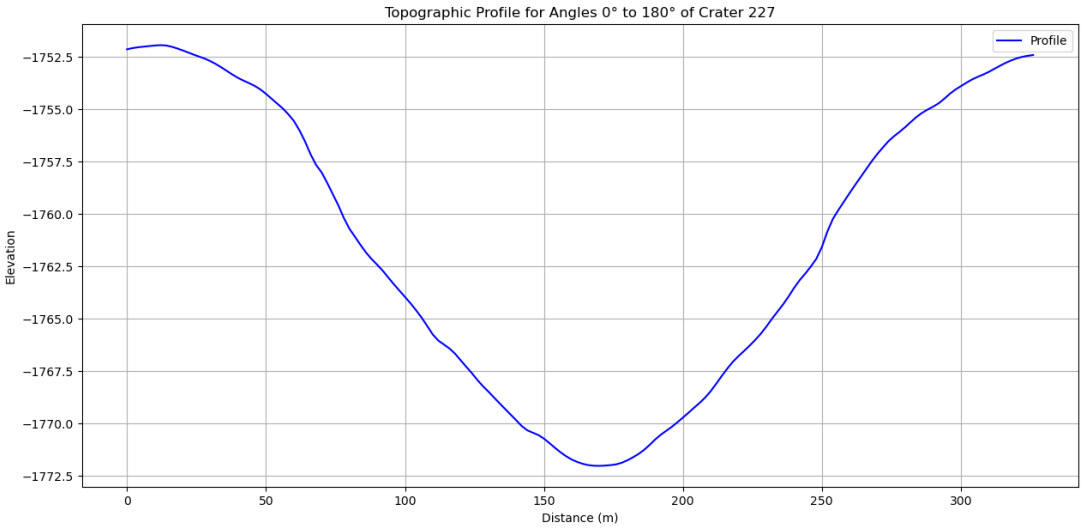
120°	8.07	0.48
130°	8.11	0.43
140°	8.22	0.43
150°	7.95	0.48
160°	8.02	0.51
170°	8.02	0.54
180°	8.43	0.57
190°	8.05	0.54
200°	7.09	0.52
210°	7.39	0.48
220°	7.75	0.43
230°	7.77	0.43
240°	7.63	0.48
250°	7.78	0.51
260°	8.05	0.54
270°	8.55	0.57
280°	8.38	0.54
290°	7.84	0.51
300°	7.25	0.48
310°	6.79	0.43
320°	6.57	0.43
330°	6.47	0.48
340°	6.99	0.52
350°	7.7	0.54

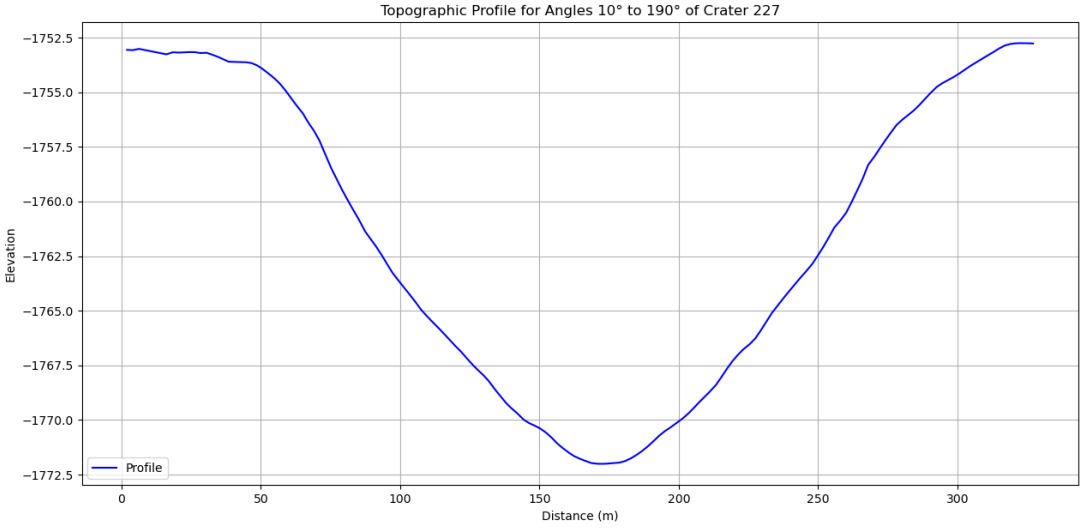
Topographic roughness index (TRI)

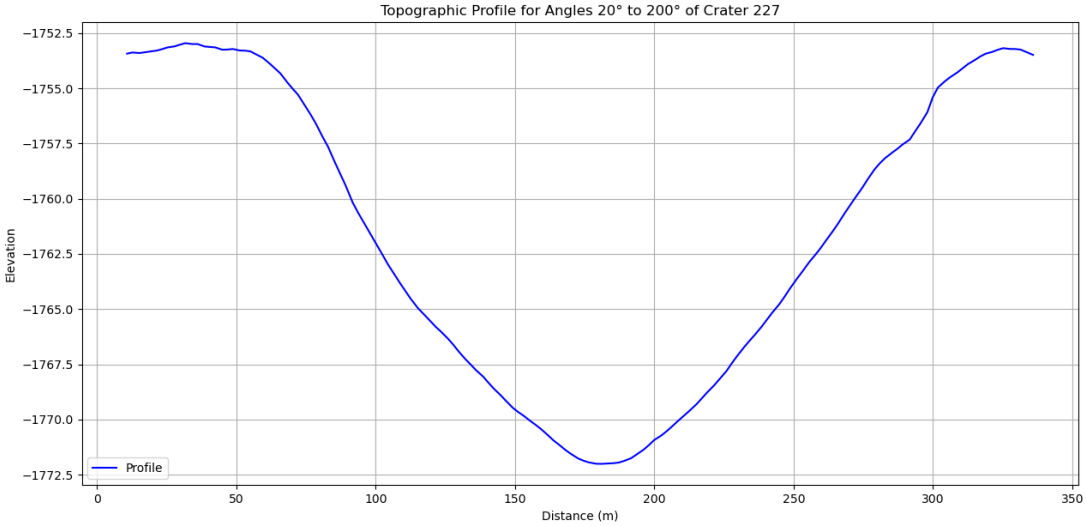
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.



Topographic profiles




Topographic Profile for Angles 10° to 190° of Crater 227
Elevation
Distance (m)
Profile
−1752.5
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
−1770.0
−1772.5
0
50
100
150
200
250
300


Topographic Profile for Angles 20° to 200° of Crater 227
Elevation
Distance (m)
Profile
−1752.5
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
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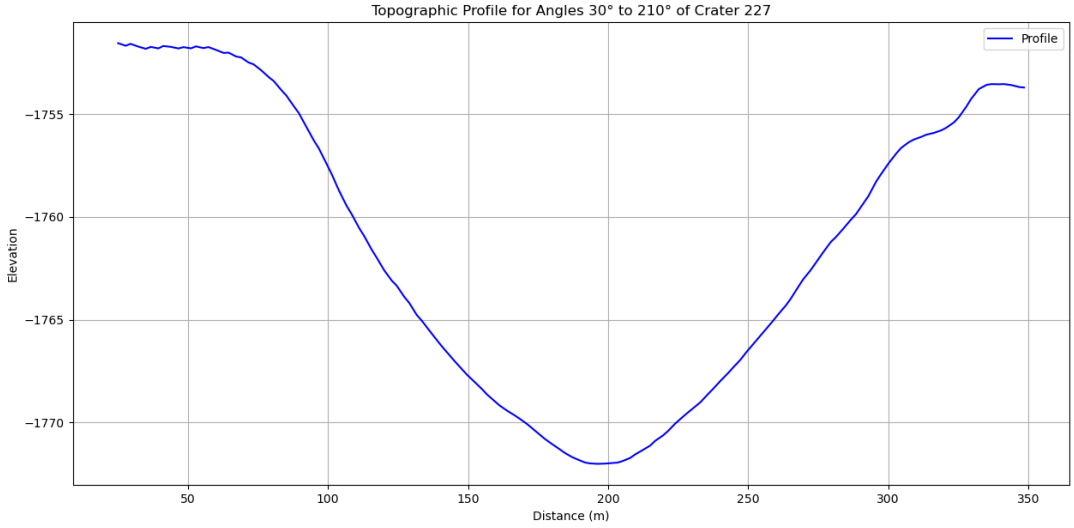
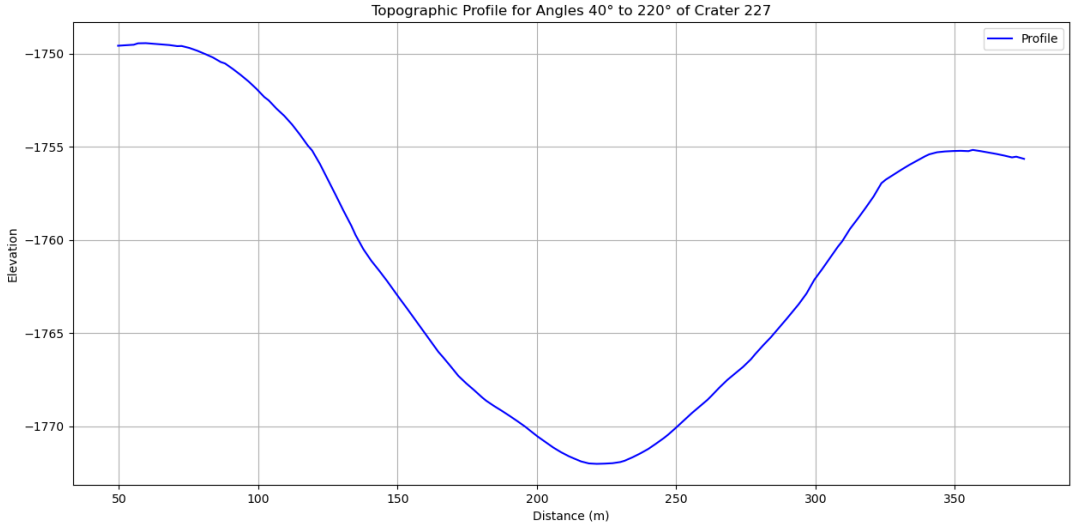
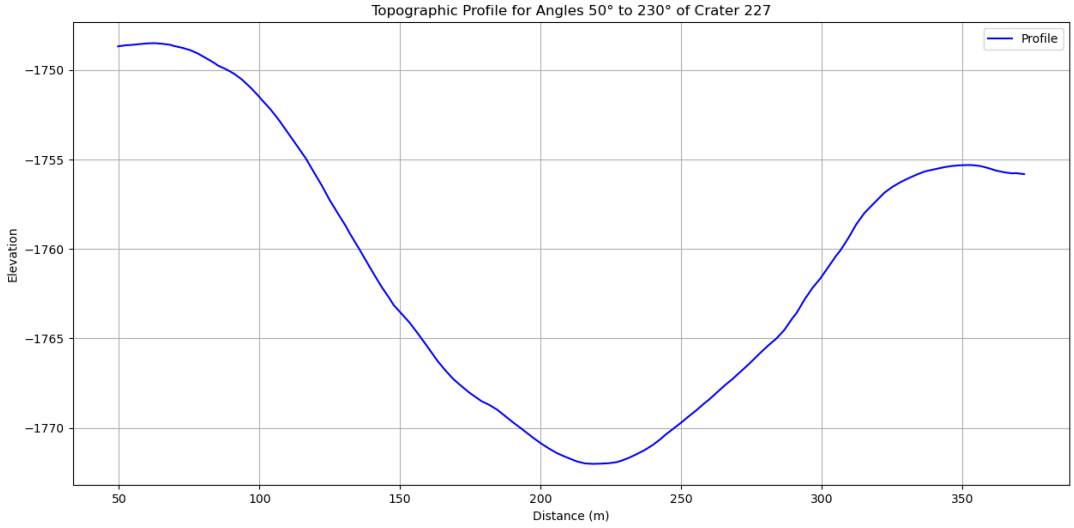
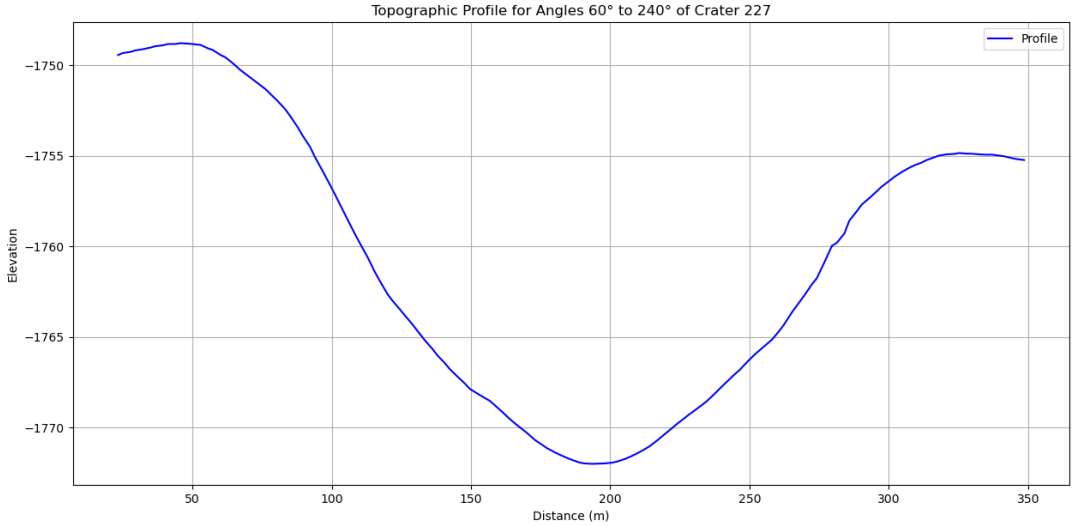
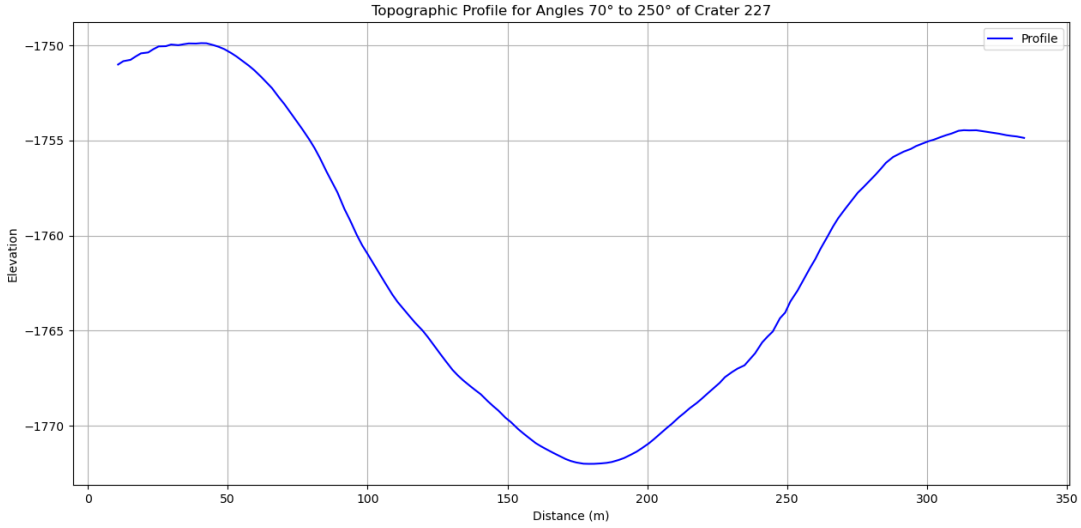
0
50
100
150
200
250
300
350

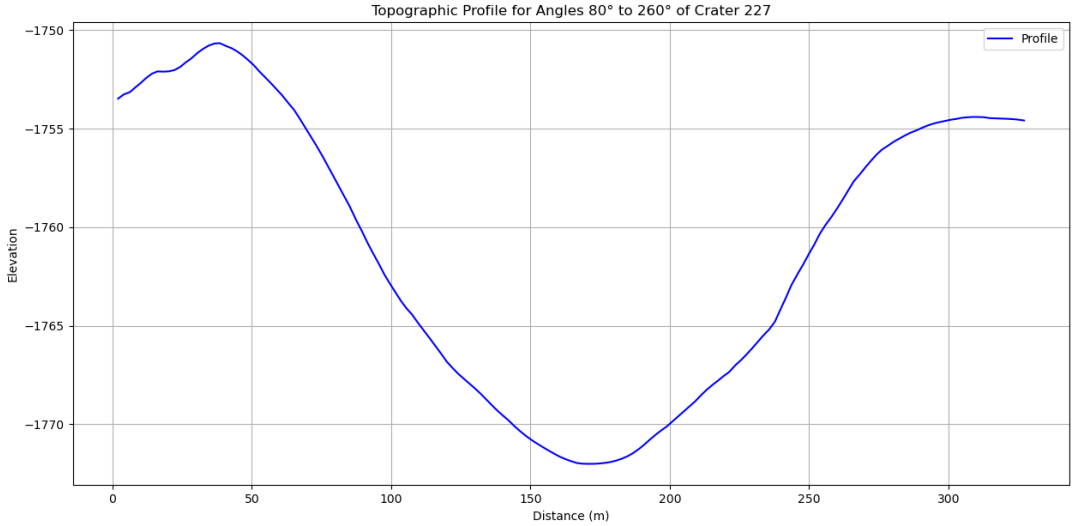

Topographic Profile for Angles 30° to 210° of Crater 227
Profile
Elevation
−1755
−1760
−1765
−1770
50
100
150
200
250
300
350
Distance (m)

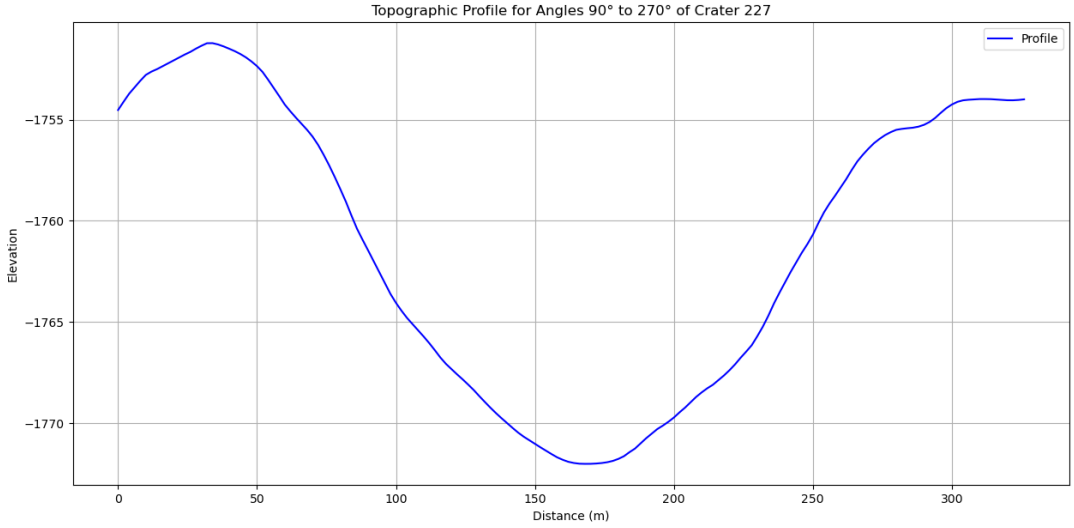

Topographic Profile for Angles 40° to 220° of Crater 227
Profile
Elevation
−1750
−1755
−1760
−1765
−1770
50
100
150
200
250
300
350
Distance (m)

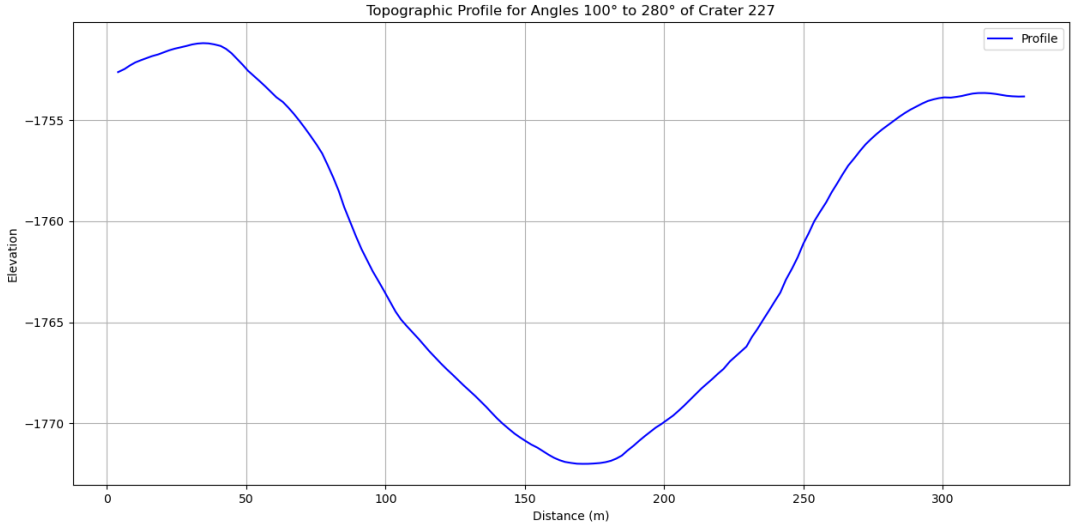

Topographic Profile for Angles 50° to 230° of Crater 227
Profile
−1750
−1755
−1760
−1765
−1770
Elevation
50
100
150
200
250
300
350
Distance (m)

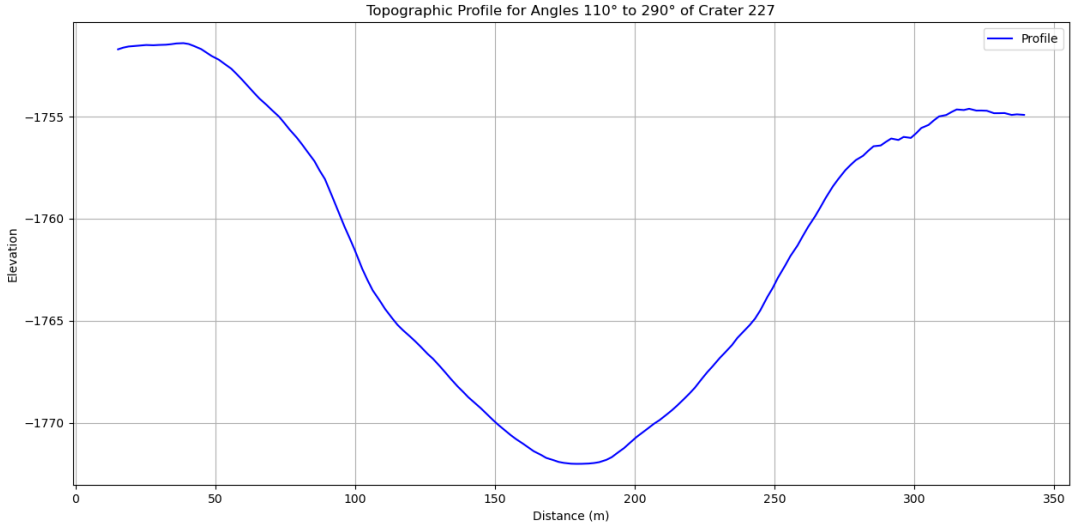

Topographic Profile for Angles 60° to 240° of Crater 227
Profile
−1750
−1755
−1760
−1765
−1770
Elevation
50
100
150
200
250
300
350
Distance (m)

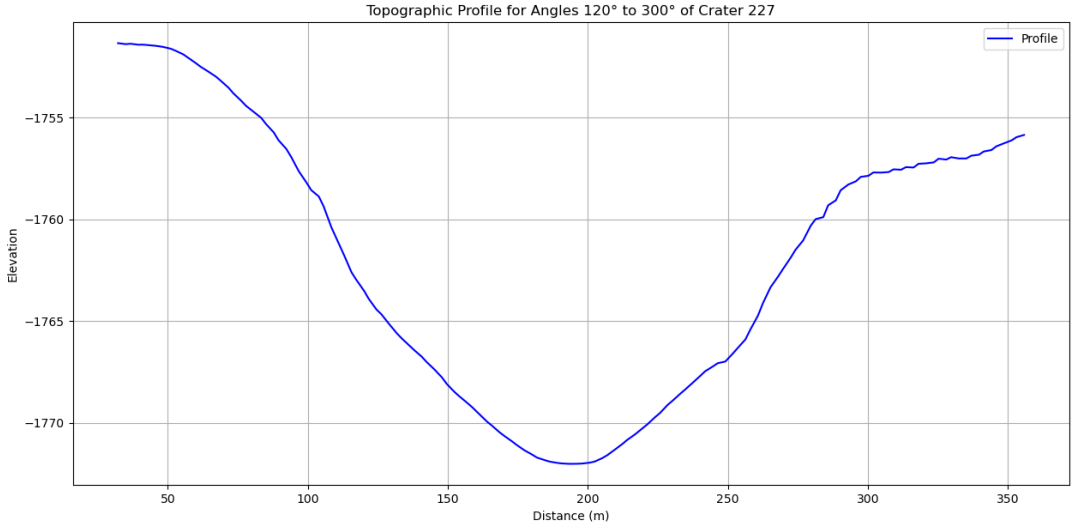

Topographic Profile for Angles 70° to 250° of Crater 227
Profile
Elevation
−1750
−1755
−1760
−1765
−1770
0
50
100
150
200
250
300
350
Distance (m)

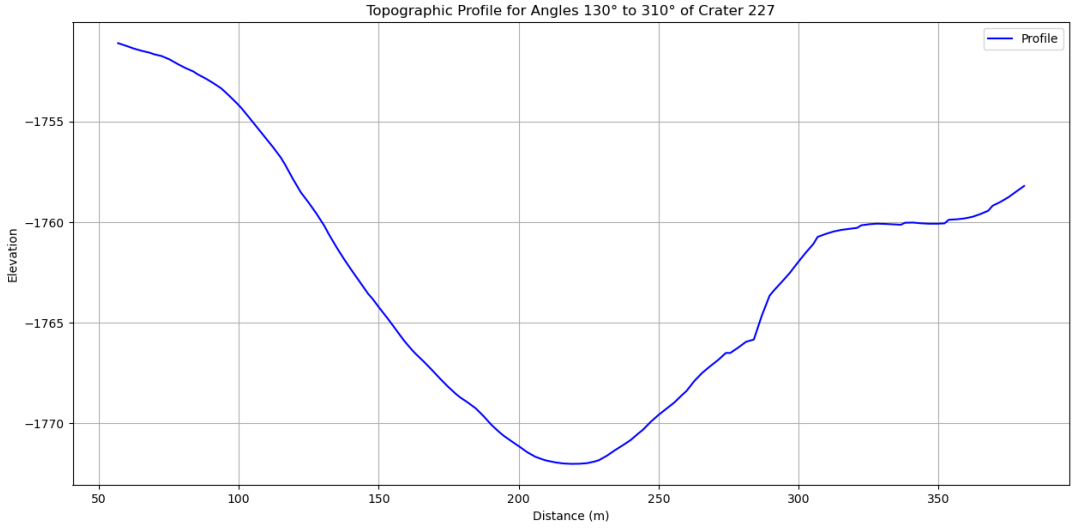

Topographic Profile for Angles 80° to 260° of Crater 227
Profile
Elevation
−1750
−1755
−1760
−1765
−1770
0
50
100
150
200
250
300
Distance (m)

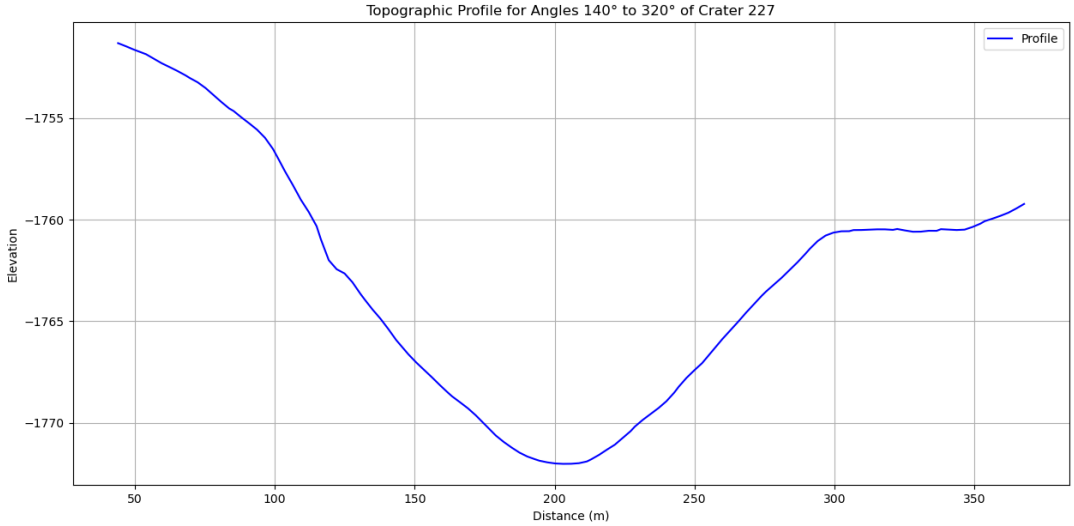

Topographic Profile for Angles 90° to 270° of Crater 227
Profile
Elevation
−1755
−1760
−1765
−1770
0
50
100
150
200
250
300
Distance (m)

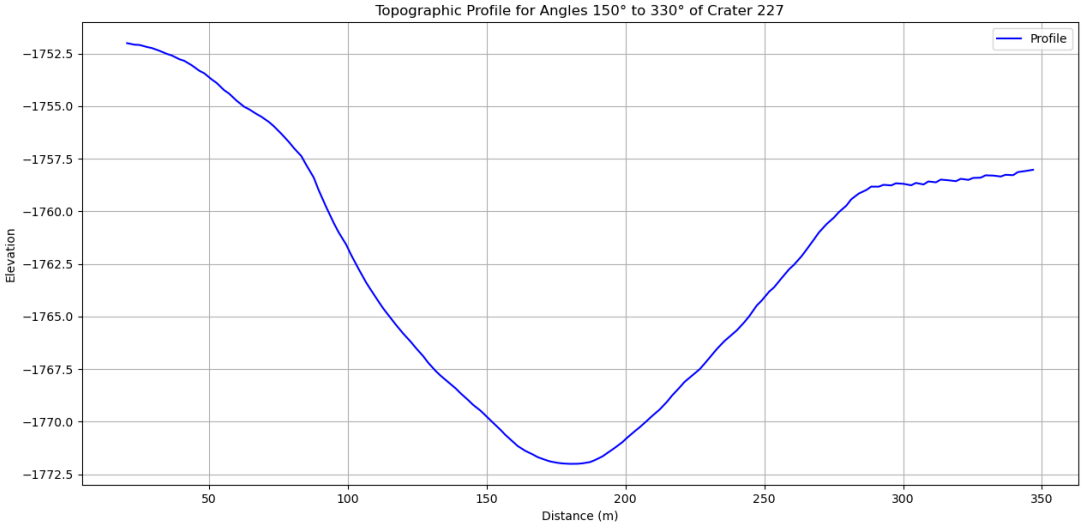

Topographic Profile for Angles 100° to 280° of Crater 227
Profile
Elevation
−1755
−1760
−1765
−1770
0
50
100
150
200
250
300
Distance (m)

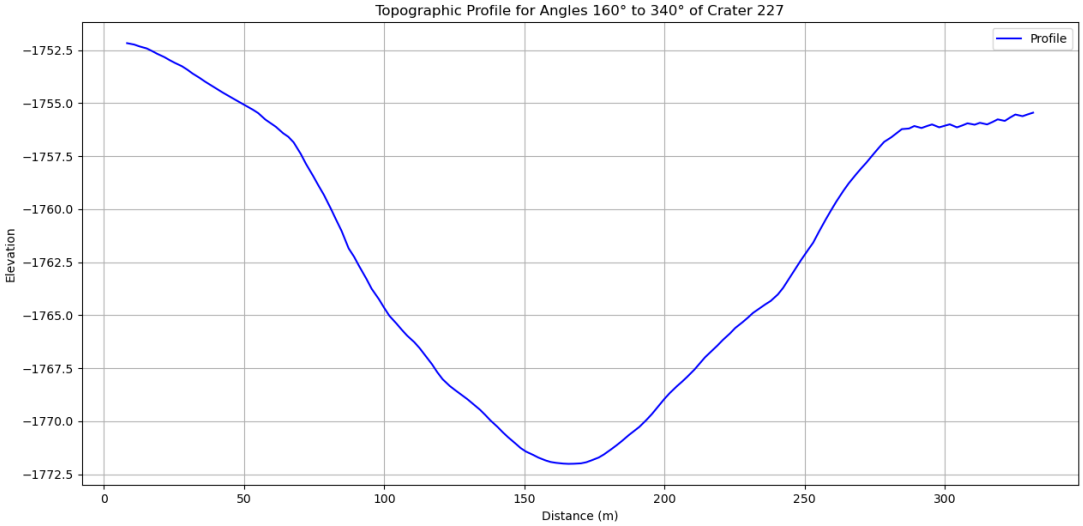

Topographic Profile for Angles 110° to 290° of Crater 227
Profile
Elevation
−1755
−1760
−1765
−1770
0
50
100
150
200
250
300
350
Distance (m)

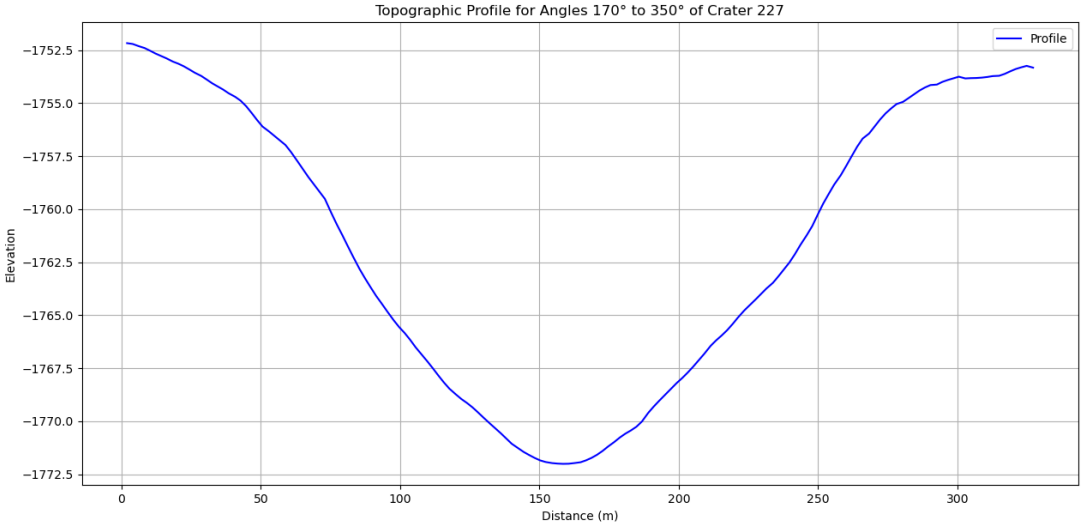

Topographic Profile for Angles 120° to 300° of Crater 227
Profile
Elevation
−1755
−1760
−1765
−1770
50
100
150
200
250
300
350
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 227
Profile
Elevation
−1755
−1760
−1765
−1770
50
100
150
200
250
300
350
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 227
Profile
Elevation
−1755
−1760
−1765
−1770
50
100
150
200
250
300
350
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 227
Profile
Elevation
−1752.5
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
−1770.0
−1772.5
50
100
150
200
250
300
350
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 227
Profile
Elevation
−1752.5
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
−1770.0
−1772.5
0
50
100
150
200
250
300
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 227
Profile
Elevation
−1752.5
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
−1770.0
−1772.5
0
50
100
150
200
250
300
Distance (m)