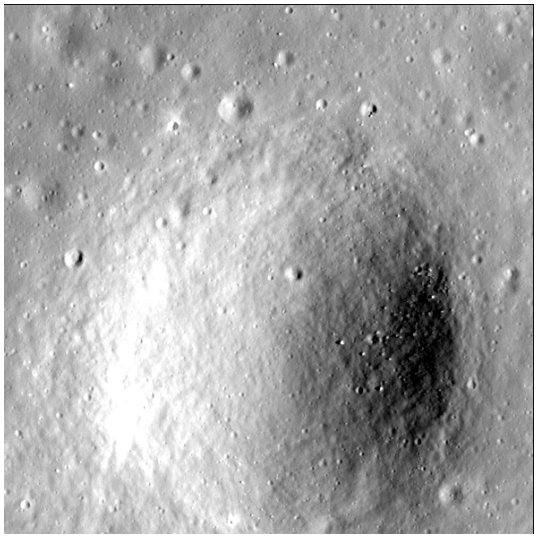
Crater report 777 of RG2

General information



ID : 777

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : B

Mean Diameter : 331m ± 11.0m

Mean depht : 33.5m ± 1.7m

d/D ratio : 0.101 ± 0.006

Circularity index : 0.94

Slope : Between 11.44° et 18.35°

Mean value of TRI on the rim crest : 0.13

Geometric center coordinates : (3658674.008270054, 229152.91954306263)

Coordinates of the crater's lowest point : (3658683.000001101, 229097.0000000676)

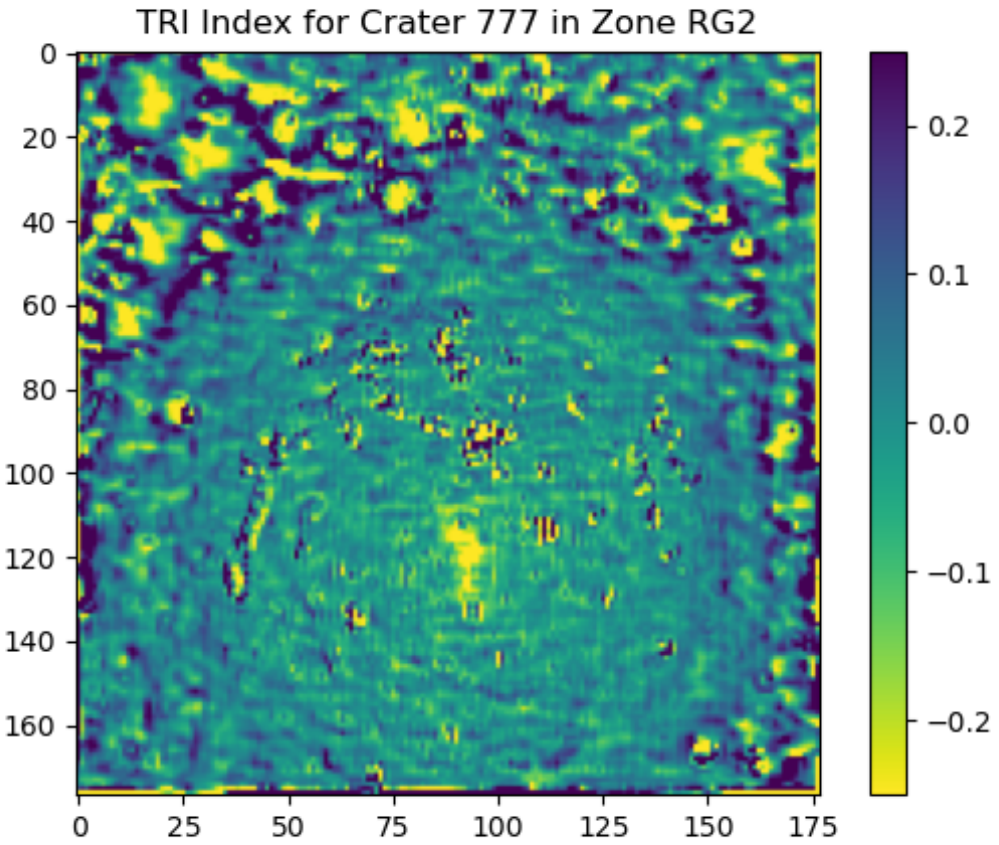
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	16.79	0.56
10°	15.94	0.53
20°	15.73	0.51
30°	15.21	0.48
40°	15.69	0.43
50°	16.05	0.42
60°	16.08	0.48
70°	16.86	0.51
80°	17.31	0.53
90°	18.35	0.56
100°	17.38	0.53
110°	15.89	0.51

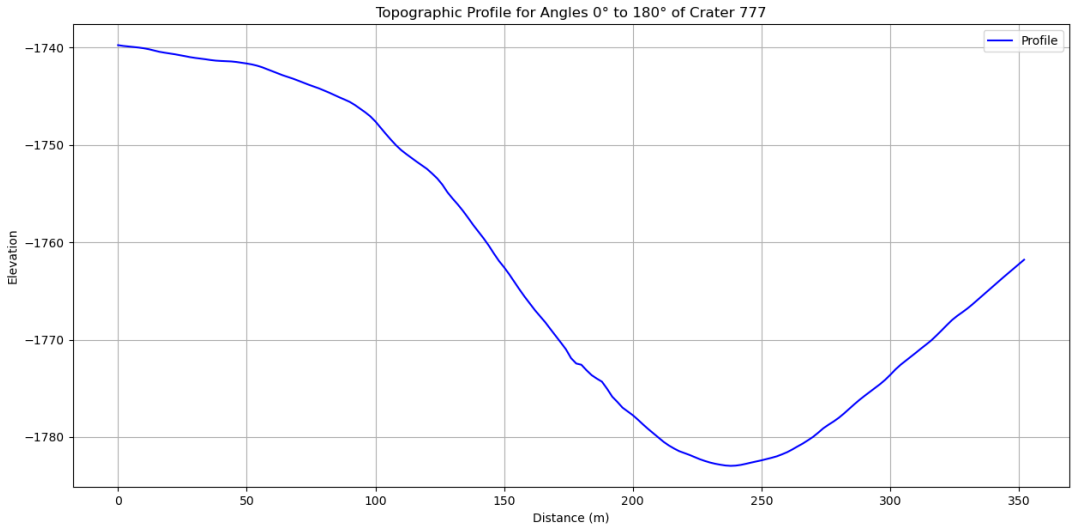
120°	15.21	0.47
130°	14.43	0.43
140°	13.57	0.43
150°	13.14	0.48
160°	12.63	0.52
170°	12.71	0.54
180°	12.46	0.57
190°	11.44	0.54
200°	11.96	0.51
210°	12.84	0.48
220°	14.03	0.43
230°	14.6	0.43
240°	14.52	0.47
250°	15.54	0.51
260°	16.67	0.53
270°	17.34	0.56
280°	16.63	0.53
290°	16.9	0.5
300°	16.99	0.47
310°	17.56	0.42
320°	17.45	0.43
330°	18.03	0.47
340°	17.79	0.5
350°	17.02	0.53

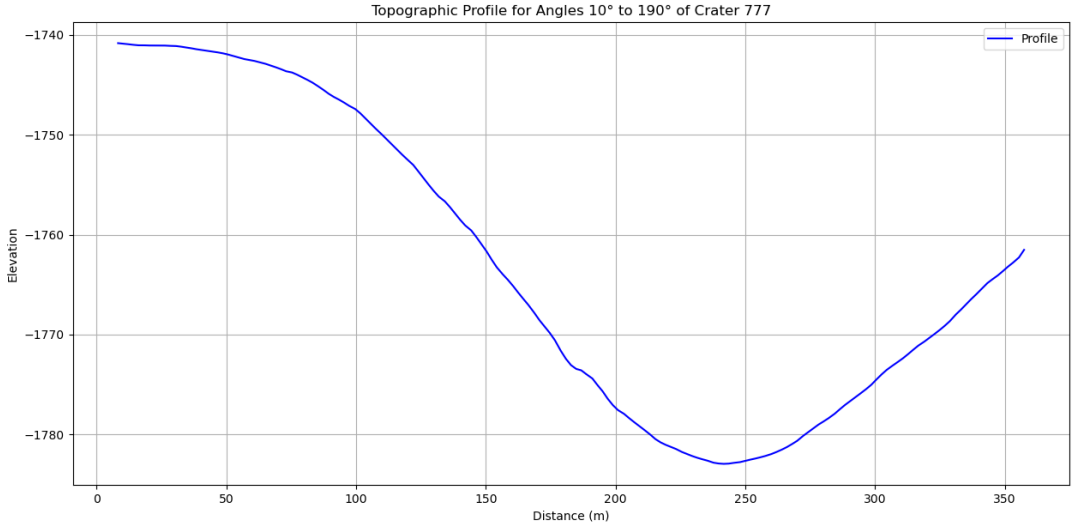
Topographic roughness index (TRI)

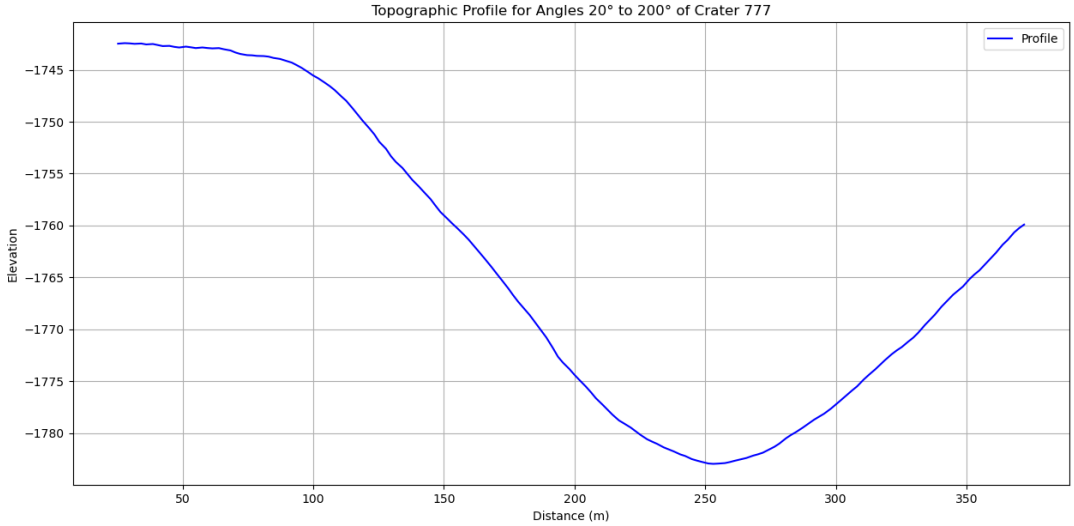
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

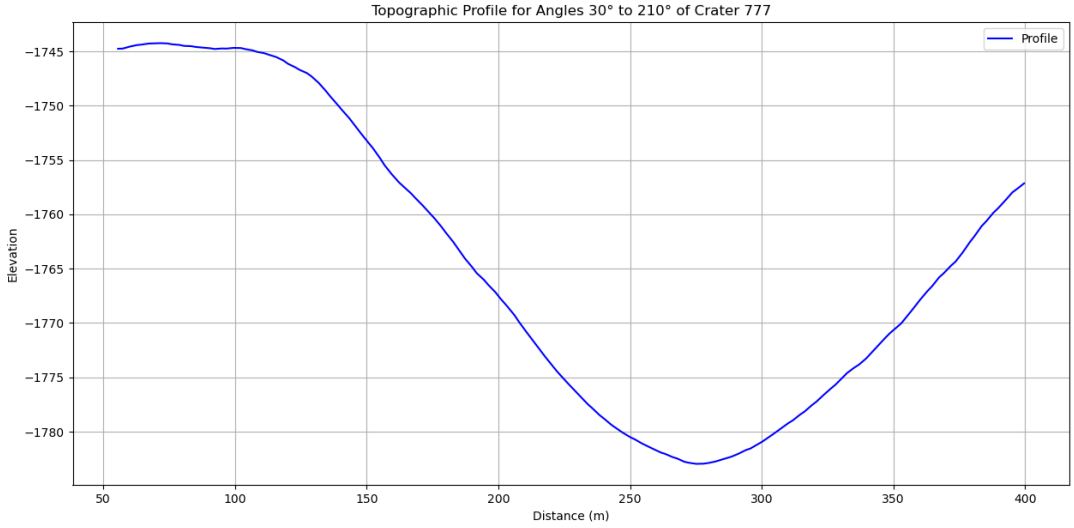


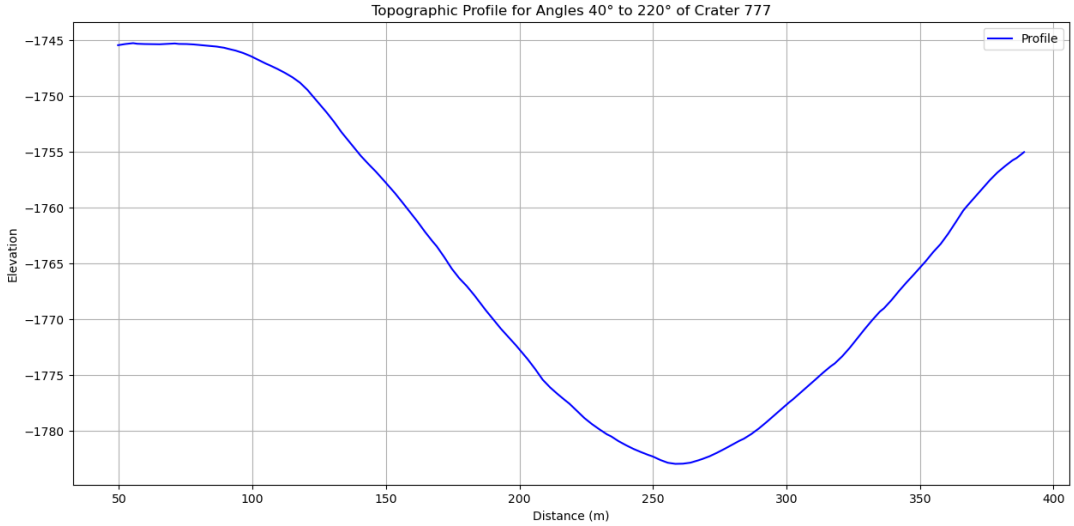
Topographic profiles

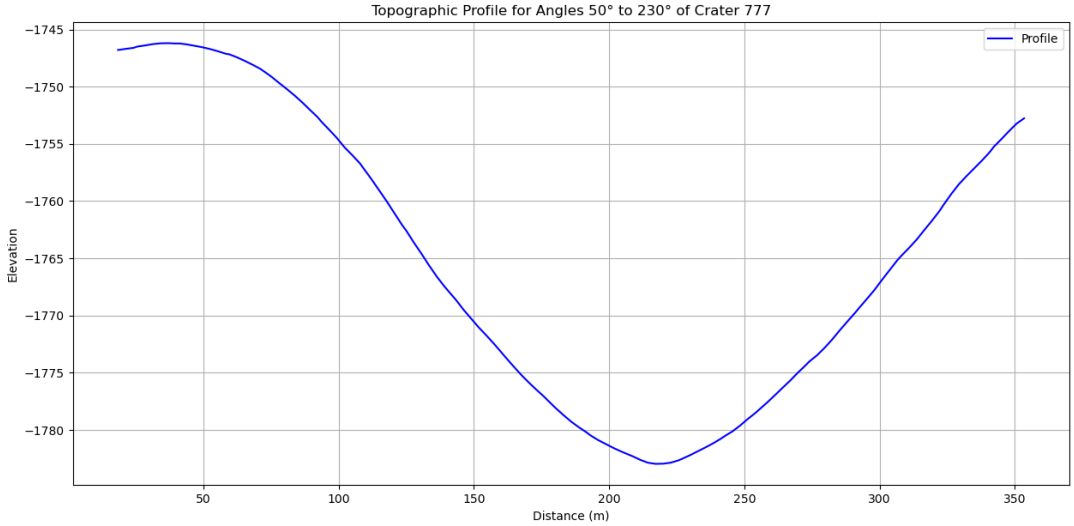


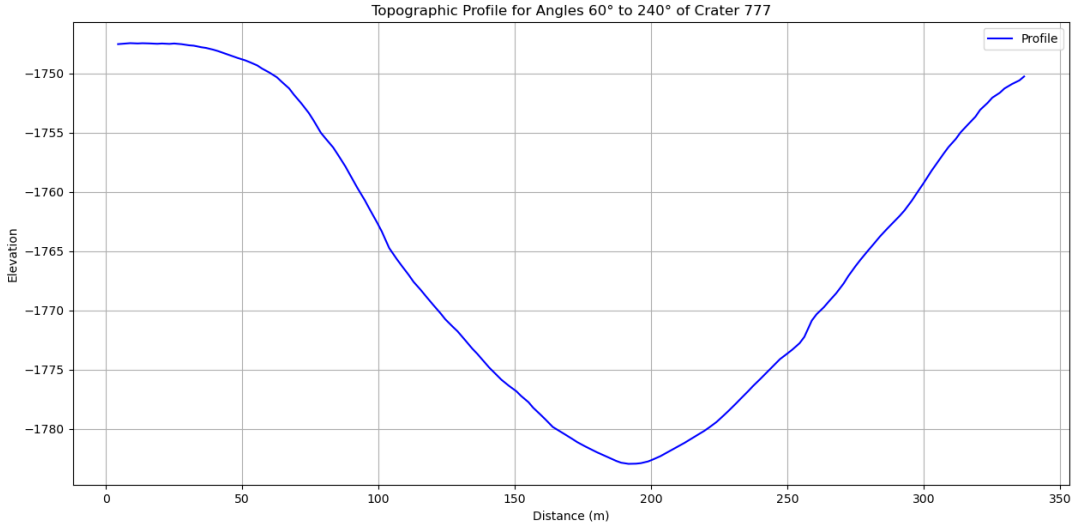

Topographic Profile for Angles 10° to 190° of Crater 777
Profile
Elevation
Distance (m)
−1740
−1750
−1760
−1770
−1780
0
50
100
150
200
250
300
350

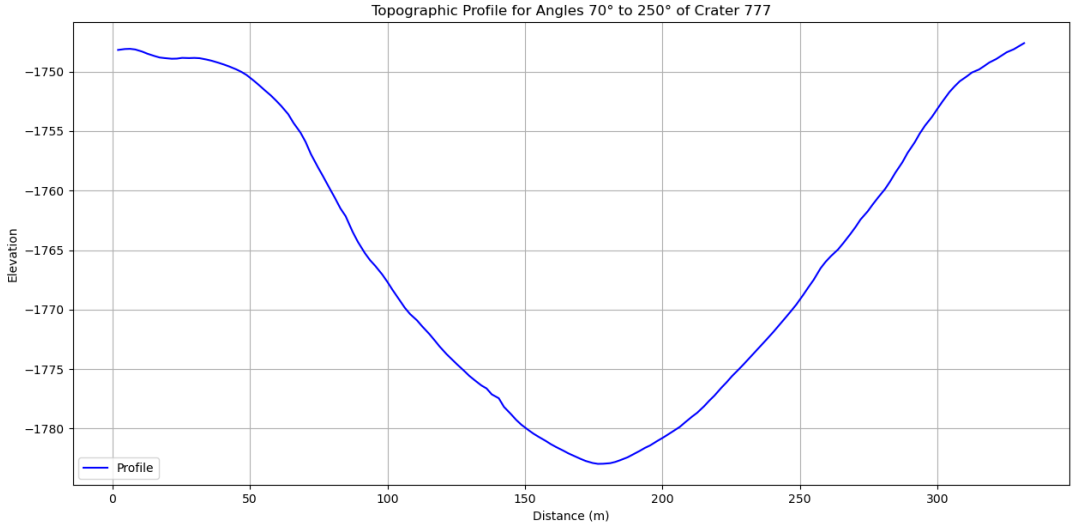

Topographic Profile for Angles 20° to 200° of Crater 777
Profile
Elevation
Distance (m)
−1745
−1750
−1755
−1760
−1765
−1770
−1775
−1780
50
100
150
200
250
300
350

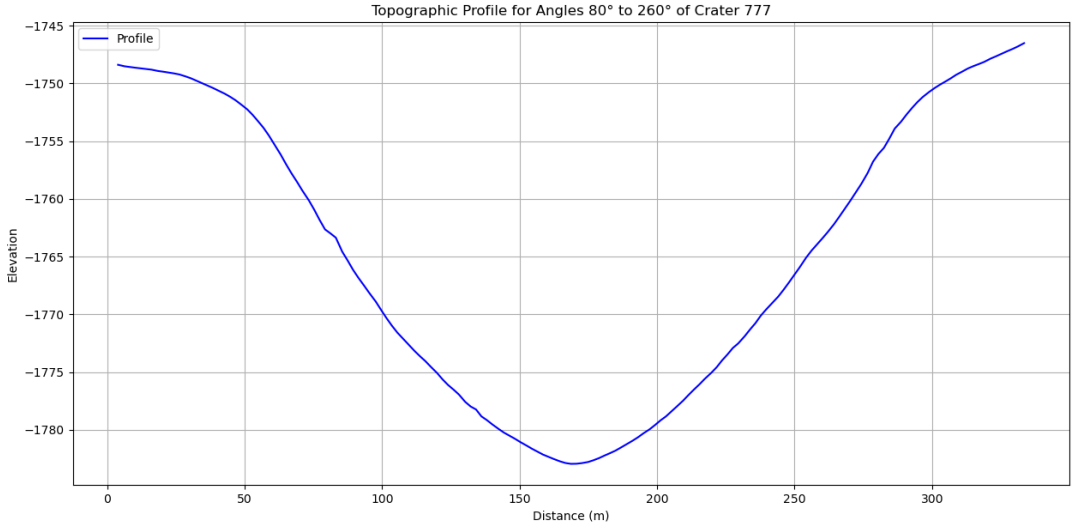

Topographic Profile for Angles 30° to 210° of Crater 777
Profile
Elevation
Distance (m)
−1745
−1750
−1755
−1760
−1765
−1770
−1775
−1780
50
100
150
200
250
300
350
400


Topographic Profile for Angles 40° to 220° of Crater 777
Profile
Elevation
Distance (m)
−1745
−1750
−1755
−1760
−1765
−1770
−1775
−1780
50
100
150
200
250
300
350
400


Topographic Profile for Angles 50° to 230° of Crater 777
Profile
Elevation
Distance (m)
−1745
−1750
−1755
−1760
−1765
−1770
−1775
−1780
50
100
150
200
250
300
350


Topographic Profile for Angles 60° to 240° of Crater 777
Profile
Elevation
Distance (m)
−1750
−1755
−1760
−1765
−1770
−1775
−1780
0
50
100
150
200
250
300
350


Topographic Profile for Angles 70° to 250° of Crater 777
Elevation
Distance (m)
Profile
−1750
−1755
−1760
−1765
−1770
−1775
−1780
0
50
100
150
200
250
300


Topographic Profile for Angles 80° to 260° of Crater 777
Elevation
Distance (m)
Profile
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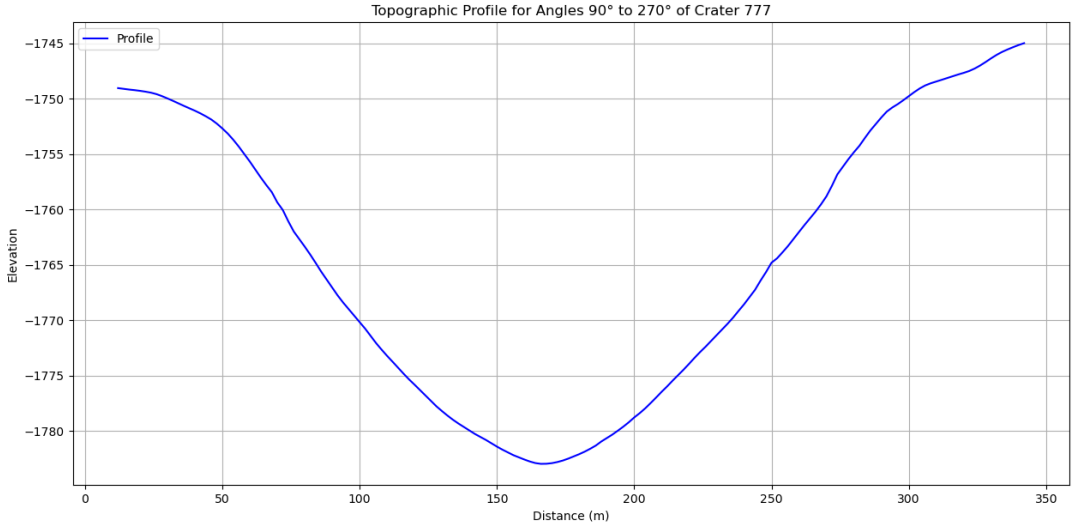
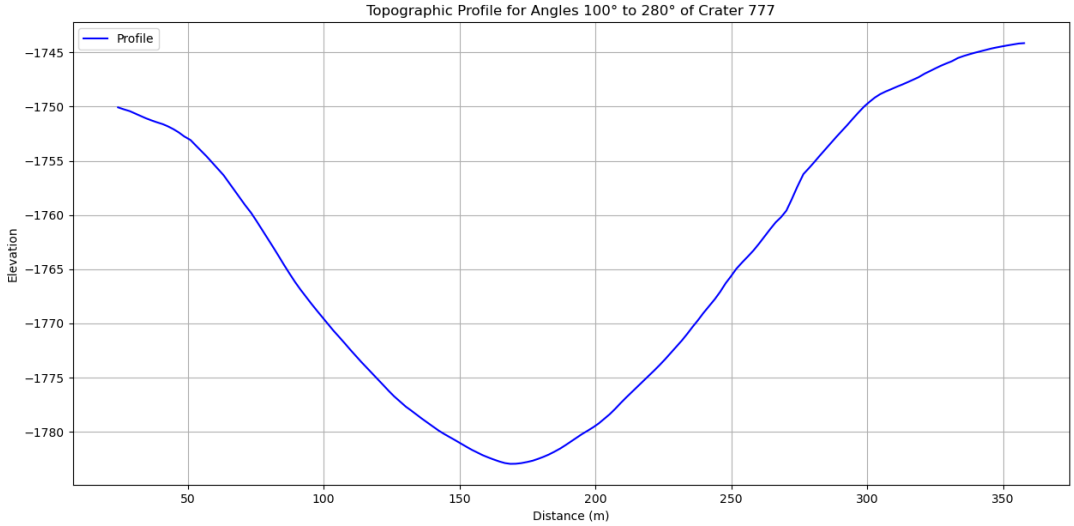
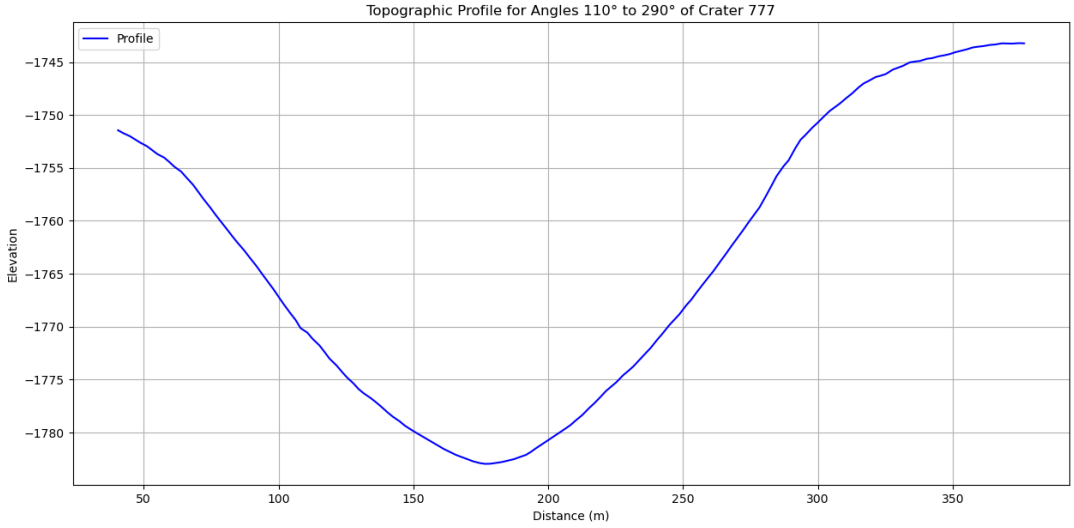
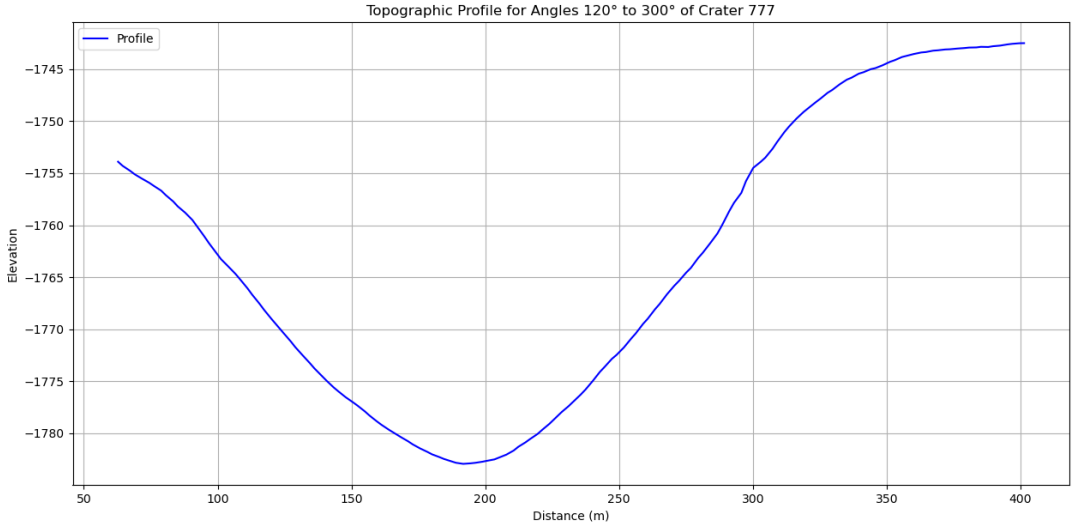
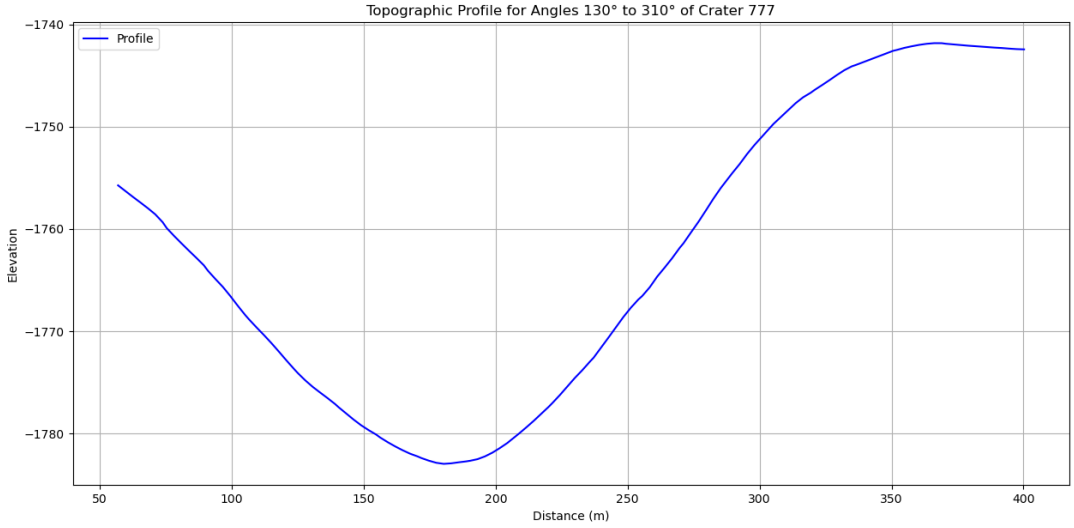
−1750
−1755
−1760
−1765
−1770
−1775
−1780
0
50
100
150
200
250
300

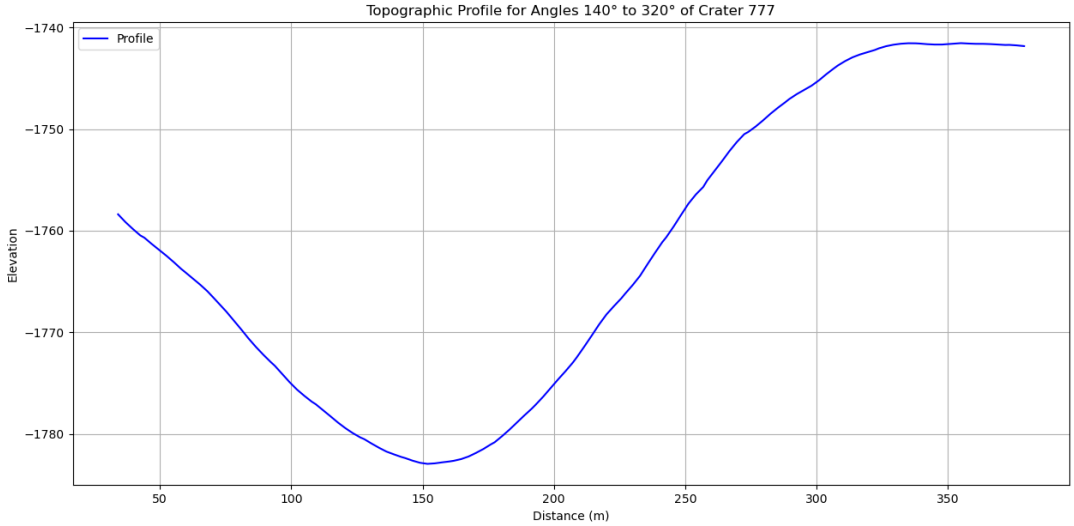

Topographic Profile for Angles 90° to 270° of Crater 777
Profile
Elevation
Distance (m)
−1745
−1750
−1755
−1760
−1765
−1770
−1775
−1780
0
50
100
150
200
250
300
350

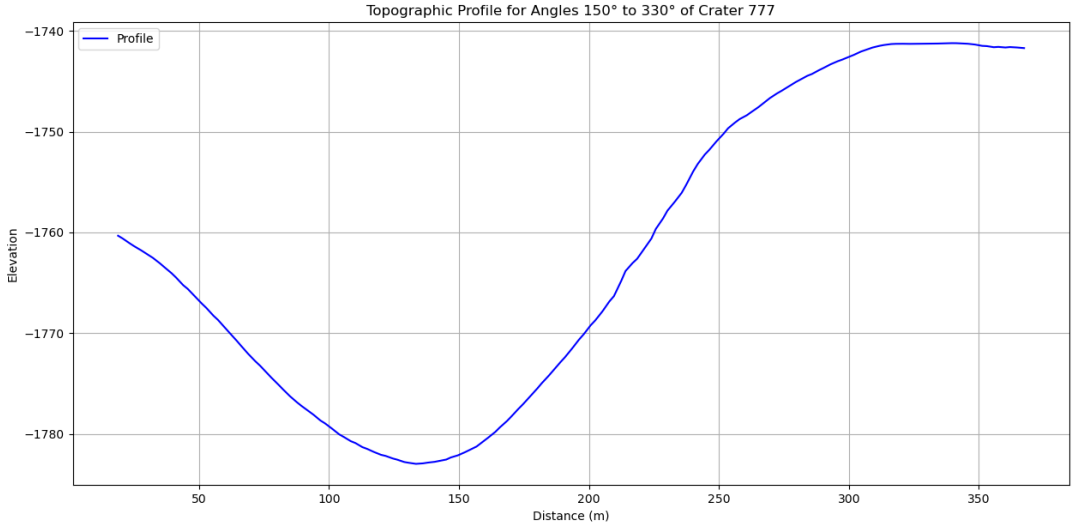

Topographic Profile for Angles 100° to 280° of Crater 777
Profile
Elevation
Distance (m)
−1745
−1750
−1755
−1760
−1765
−1770
−1775
−1780
50
100
150
200
250
300
350

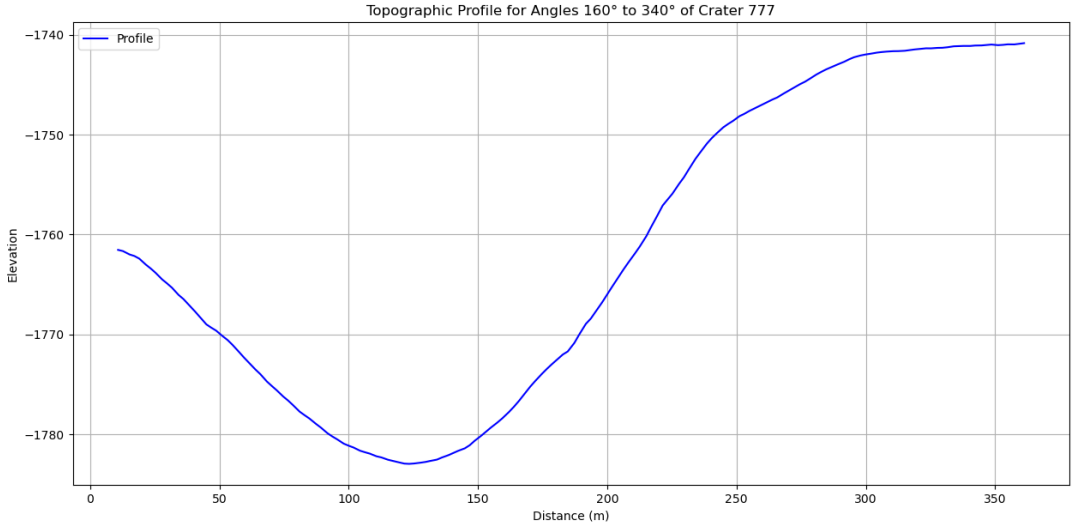

Topographic Profile for Angles 110° to 290° of Crater 777
Profile
Elevation
Distance (m)
−1745
−1750
−1755
−1760
−1765
−1770
−1775
−1780
50
100
150
200
250
300
350

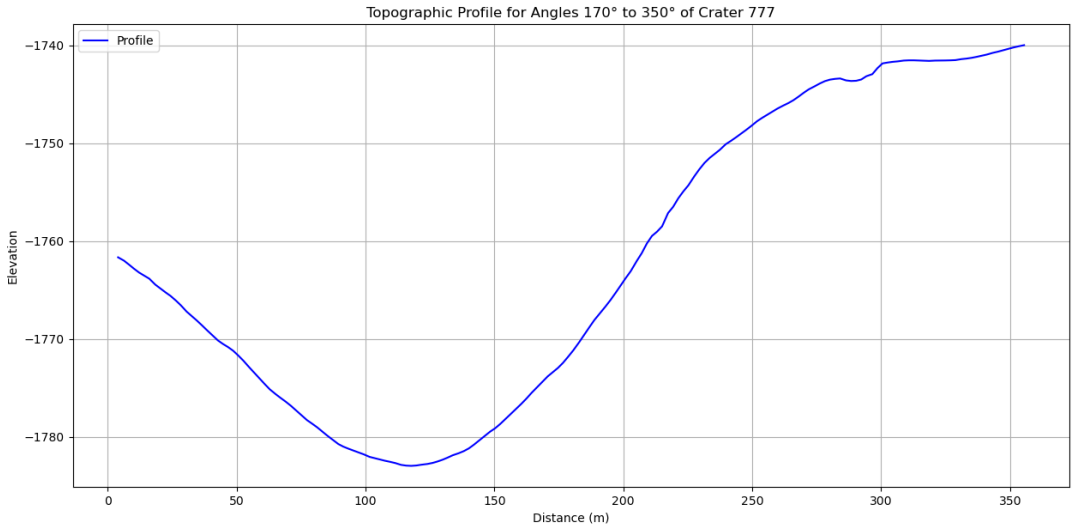

Topographic Profile for Angles 120° to 300° of Crater 777
Profile
Elevation
Distance (m)
−1745
−1750
−1755
−1760
−1765
−1770
−1775
−1780
50
100
150
200
250
300
350
400


Topographic Profile for Angles 130° to 310° of Crater 777
Profile
Elevation
Distance (m)
−1740
−1750
−1760
−1770
−1780
50
100
150
200
250
300
350
400


Topographic Profile for Angles 140° to 320° of Crater 777
Profile
Elevation
Distance (m)
−1740
−1750
−1760
−1770
−1780
50
100
150
200
250
300
350


Topographic Profile for Angles 150° to 330° of Crater 777
Profile
Elevation
Distance (m)
−1740
−1750
−1760
−1770
−1780
50
100
150
200
250
300
350


Topographic Profile for Angles 160° to 340° of Crater 777
Profile
Elevation
Distance (m)
−1740
−1750
−1760
−1770
−1780
0
50
100
150
200
250
300
350


Topographic Profile for Angles 170° to 350° of Crater 777
Profile
Elevation
−1740
−1750
−1760
−1770
−1780
0
50
100
150
200
250
300
350
Distance (m)