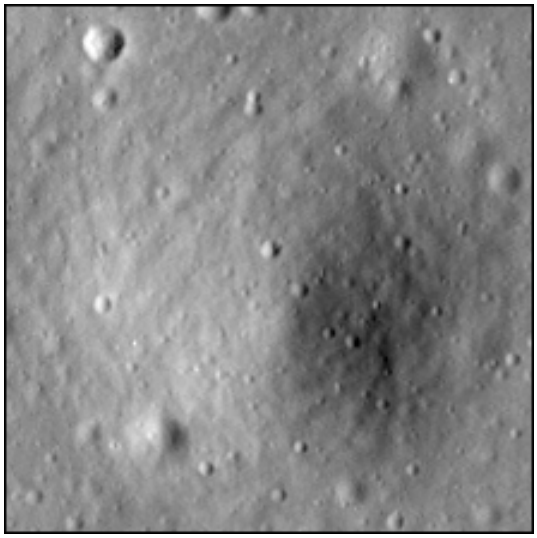
Crater report 879 of RG2

General information



ID : 879

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : BC - C

Mean Diameter : 123m ± 4.0m

Mean depht : 8.4m ± 0.3m

d/D ratio : 0.068 ± 0.003

Circularity index : 0.97

Slope : Between 8.59° et 11.15°

Mean value of TRI on the rim crest : 0.15

Geometric center coordinates : (3656583.7621449637, 227094.58777937986)

Coordinates of the crater's lowest point : (3656587.0000011004, 227083.000000067)

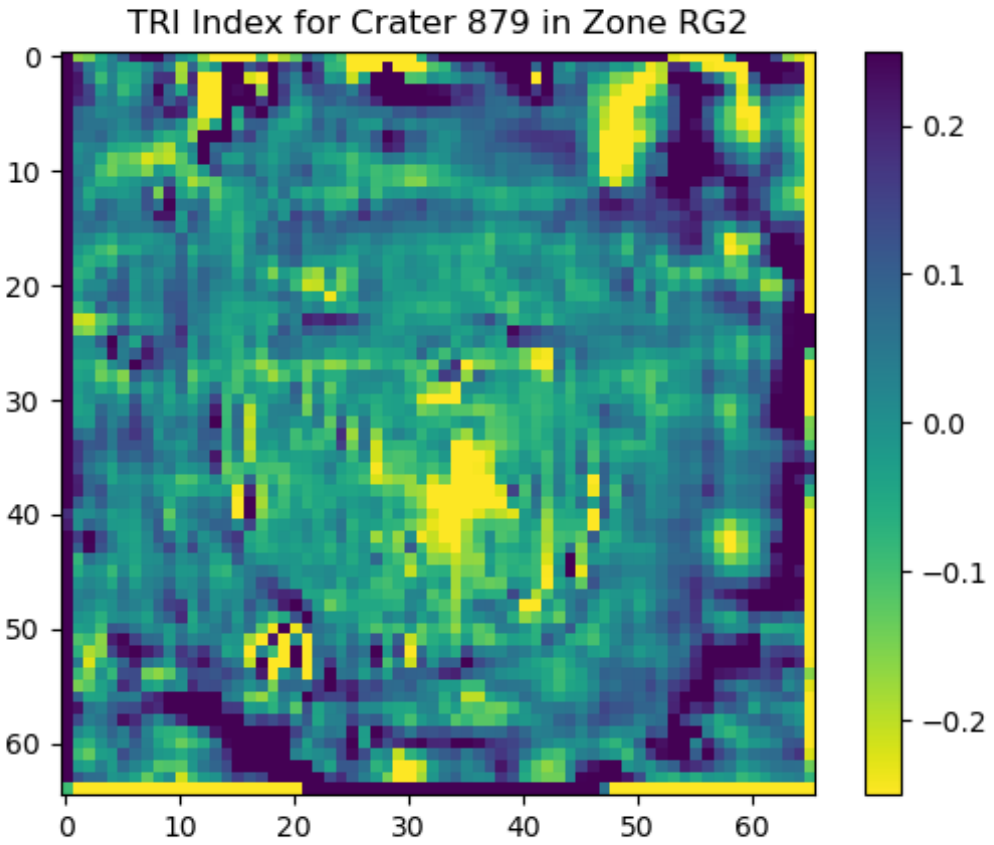
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	10.03	0.57
10°	9.09	0.54
20°	9.33	0.52
30°	9.26	0.48
40°	9.78	0.44
50°	9.63	0.43
60°	8.95	0.47
70°	9.2	0.52
80°	10.34	0.55
90°	11.06	0.57
100°	10.97	0.54
110°	10.71	0.51

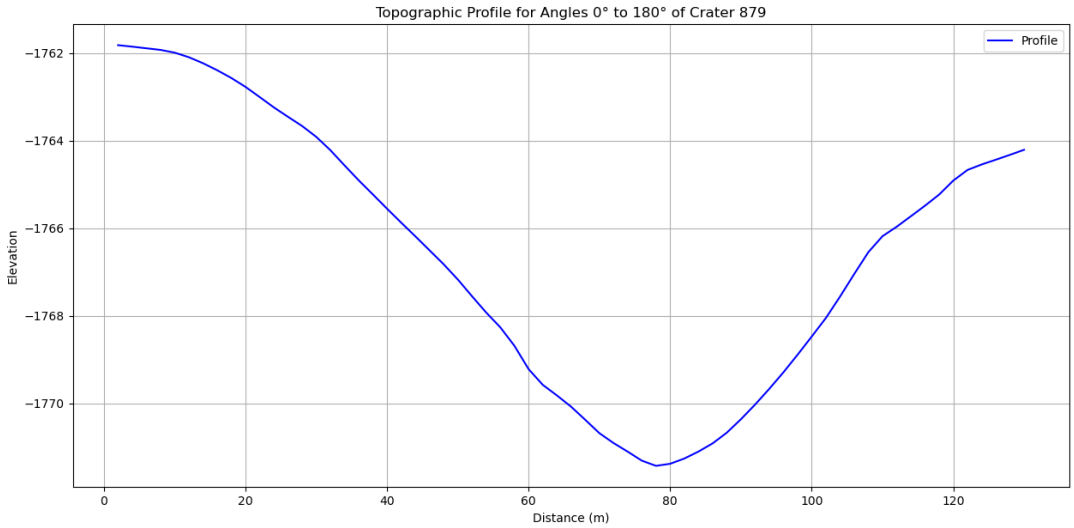
120°	10.21	0.48
130°	10.5	0.42
140°	9.94	0.42
150°	9.02	0.48
160°	9.6	0.51
170°	9.94	0.54
180°	11.04	0.57
190°	11.15	0.54
200°	11.05	0.51
210°	11.04	0.48
220°	9.78	0.42
230°	9.16	0.42
240°	9.66	0.48
250°	9.5	0.51
260°	9.51	0.54
270°	9.62	0.57
280°	9.56	0.54
290°	9.01	0.51
300°	8.59	0.48
310°	8.76	0.43
320°	8.75	0.43
330°	8.66	0.48
340°	9.09	0.52
350°	9.61	0.54

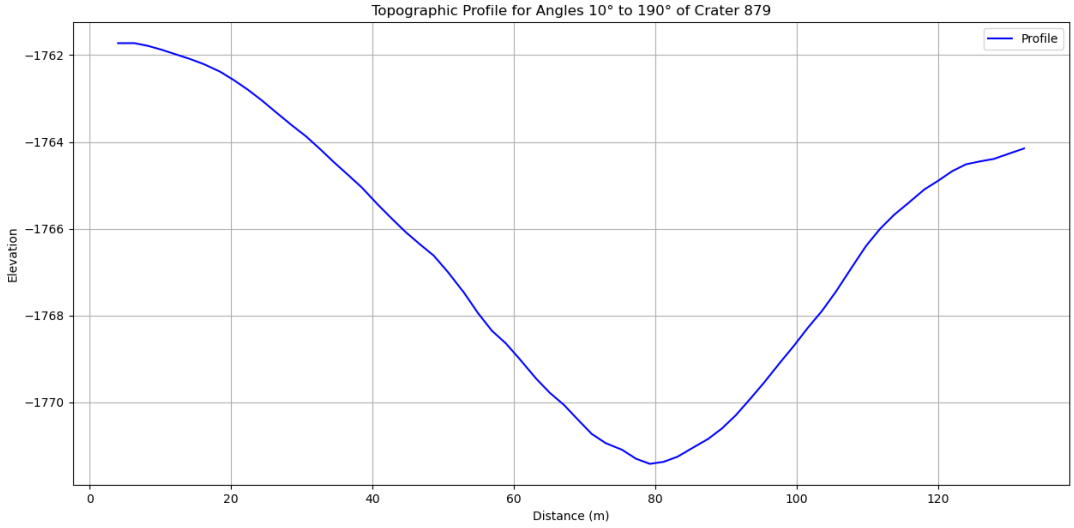
Topographic roughness index (TRI)

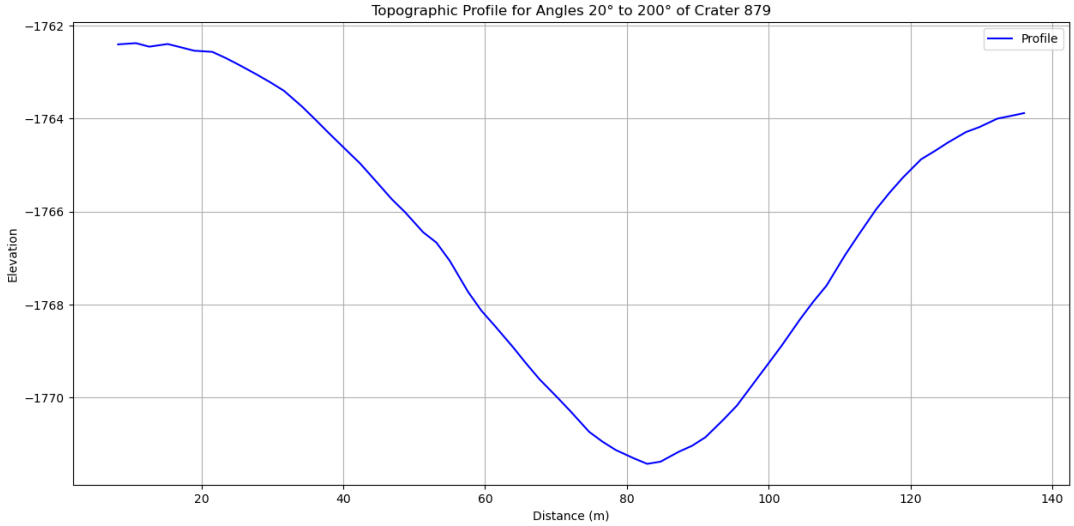
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

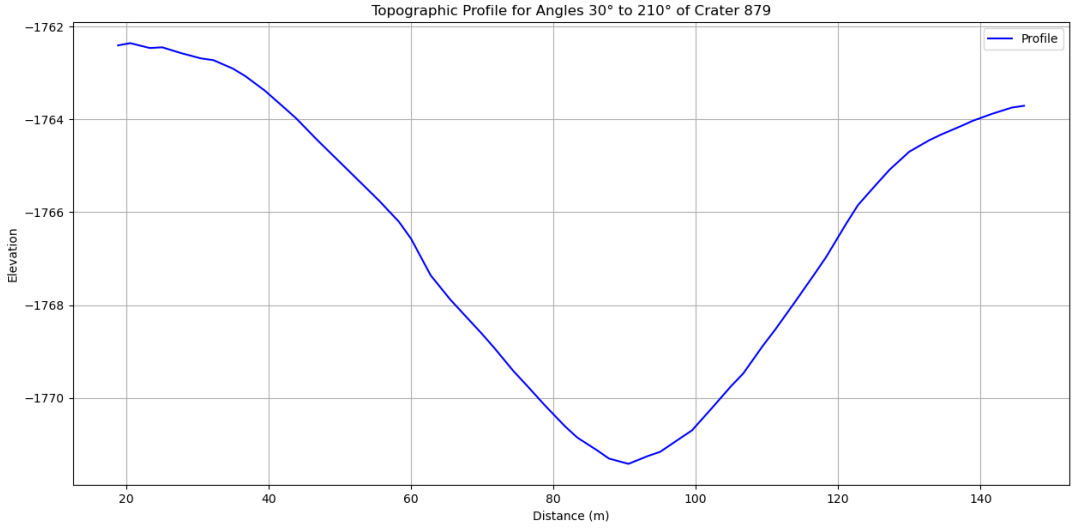


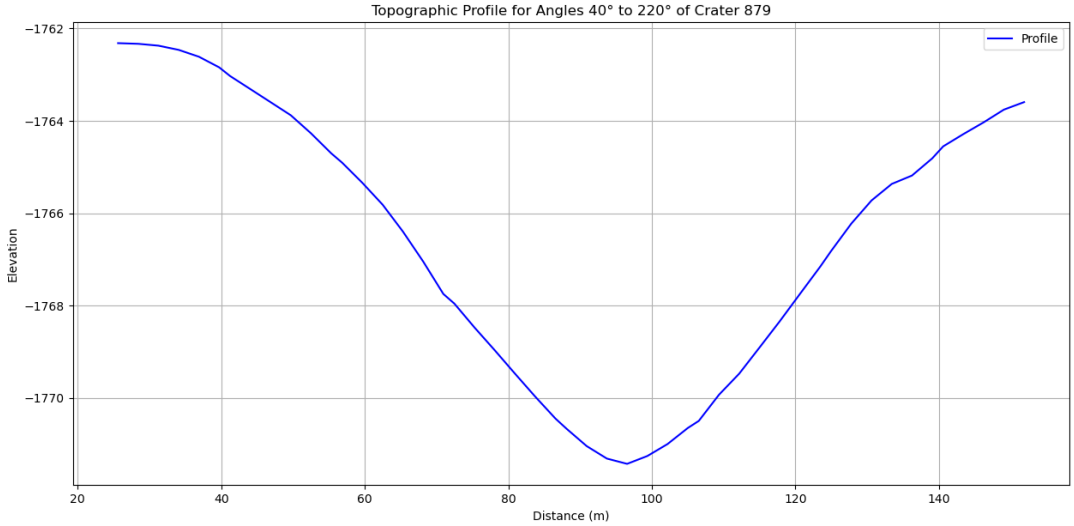
Topographic profiles

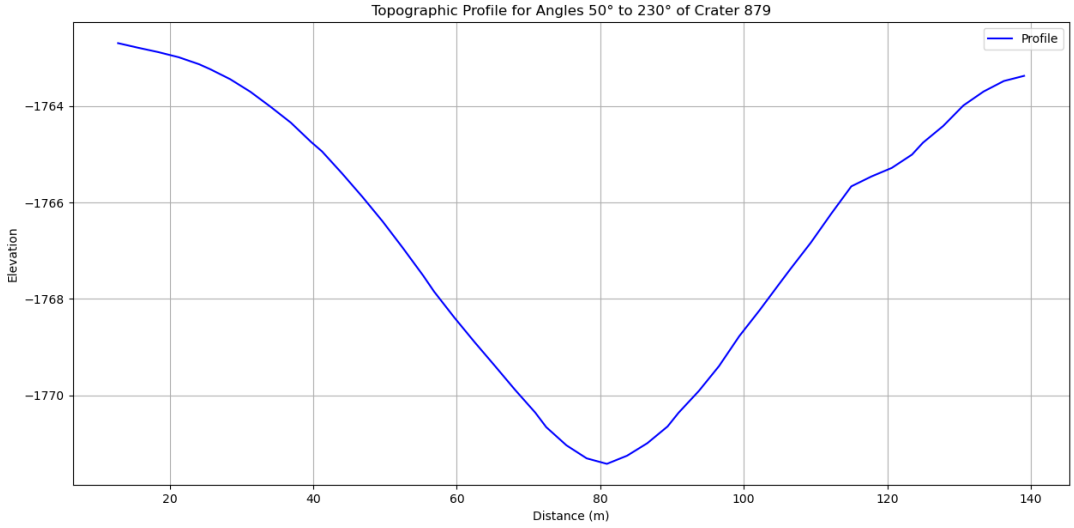


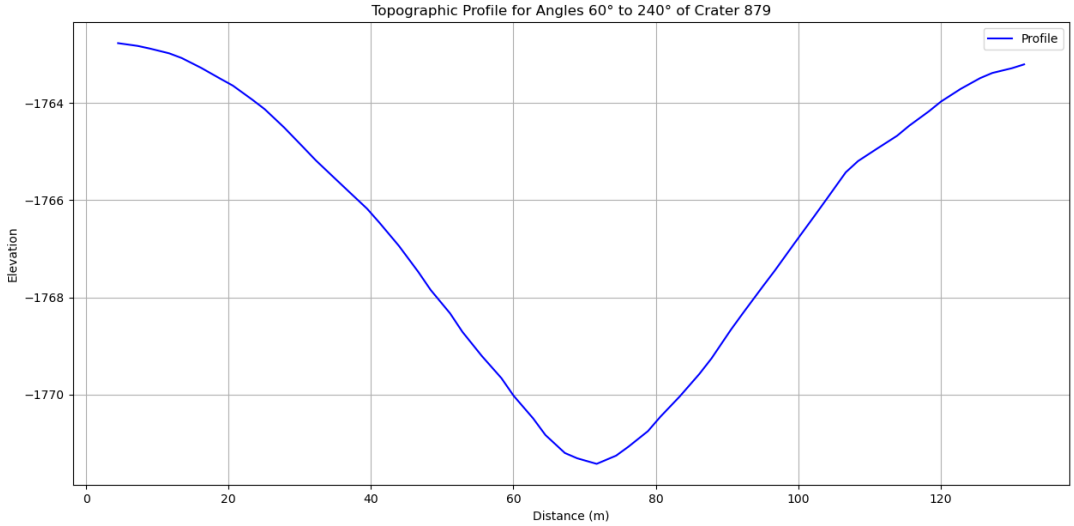

Topographic Profile for Angles 10° to 190° of Crater 879
Profile
Elevation
−1762
−1764
−1766
−1768
−1770
0
20
40
60
80
100
120
Distance (m)

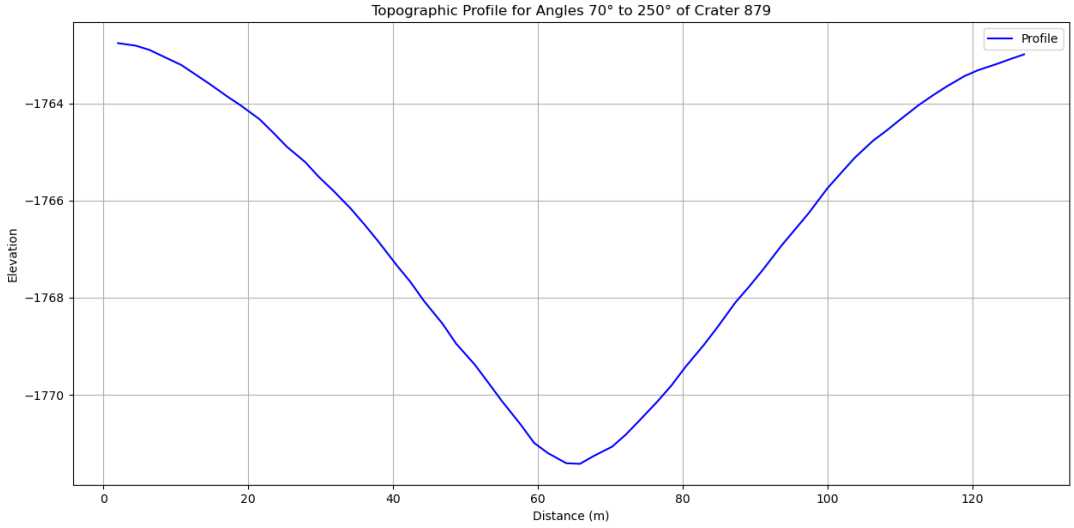

Topographic Profile for Angles 20° to 200° of Crater 879
Profile
Elevation
−1762
−1764
−1766
−1768
−1770
20
40
60
80
100
120
140
Distance (m)

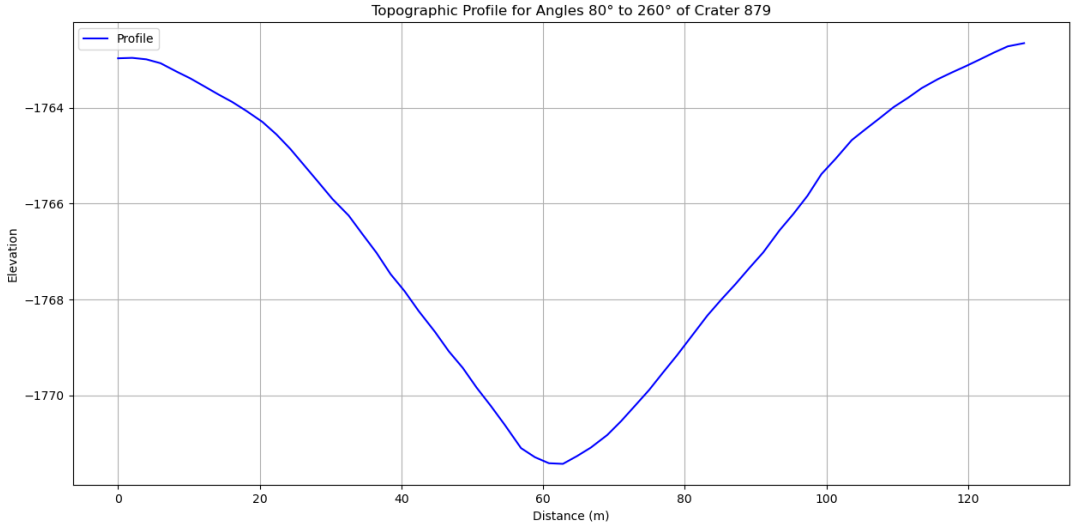

Topographic Profile for Angles 30° to 210° of Crater 879
Profile
Elevation
Distance (m)
−1762
−1764
−1766
−1768
−1770
20
40
60
80
100
120
140

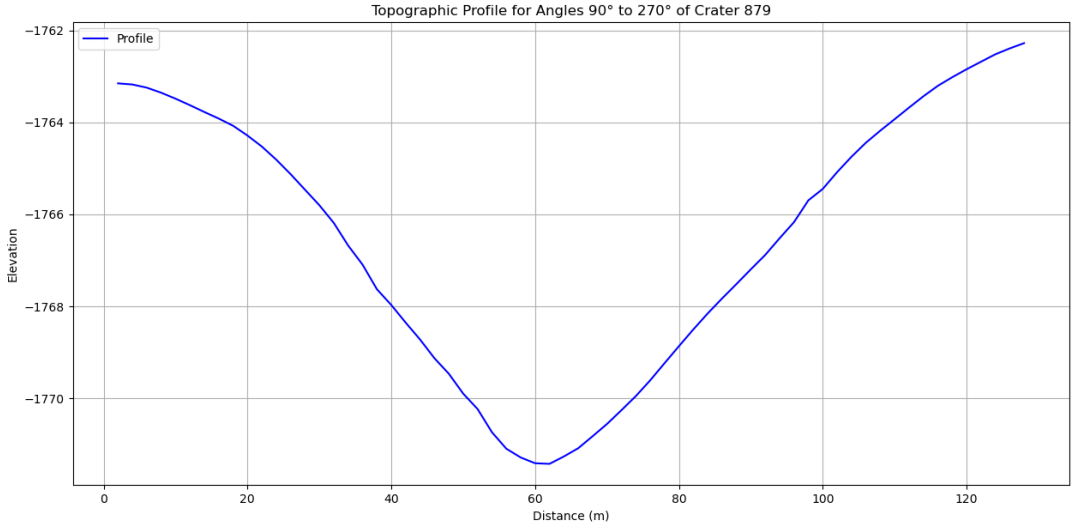

Topographic Profile for Angles 40° to 220° of Crater 879
Profile
Elevation
Distance (m)
−1762
−1764
−1766
−1768
−1770
20
40
60
80
100
120
140

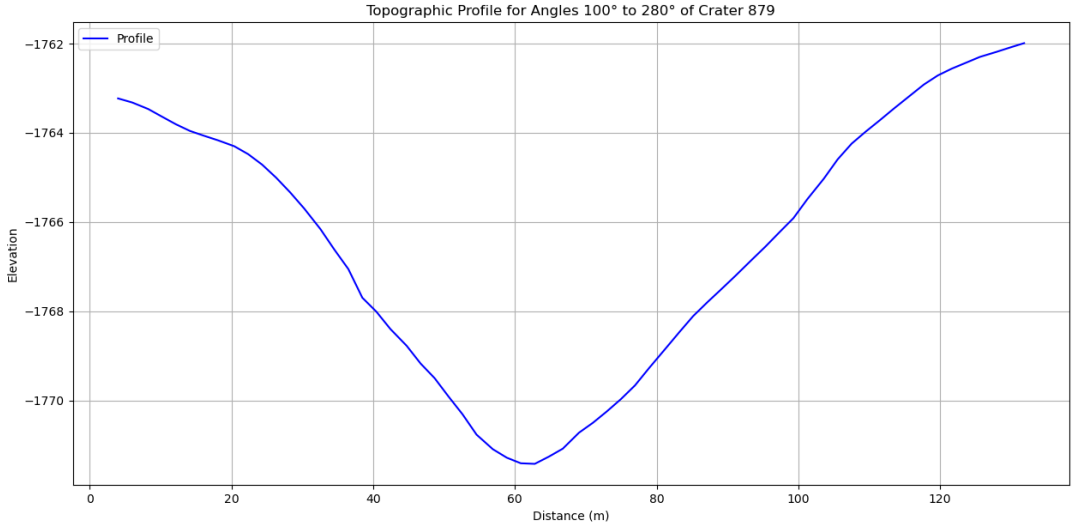

Topographic Profile for Angles 50° to 230° of Crater 879
Profile
Elevation
−1764
−1766
−1768
−1770
20
40
60
80
100
120
140
Distance (m)

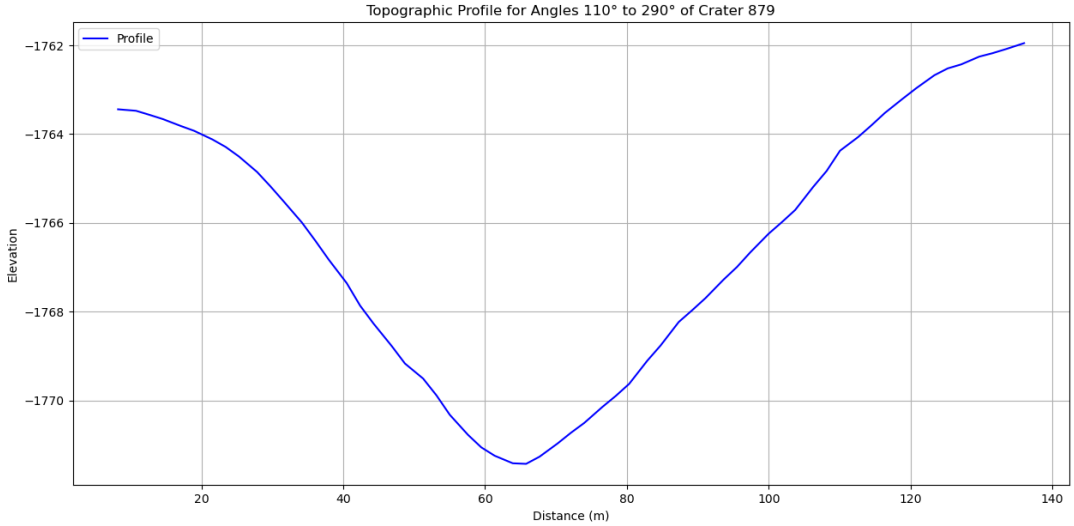

Topographic Profile for Angles 60° to 240° of Crater 879
Profile
Elevation
−1764
−1766
−1768
−1770
0
20
40
60
80
100
120
Distance (m)

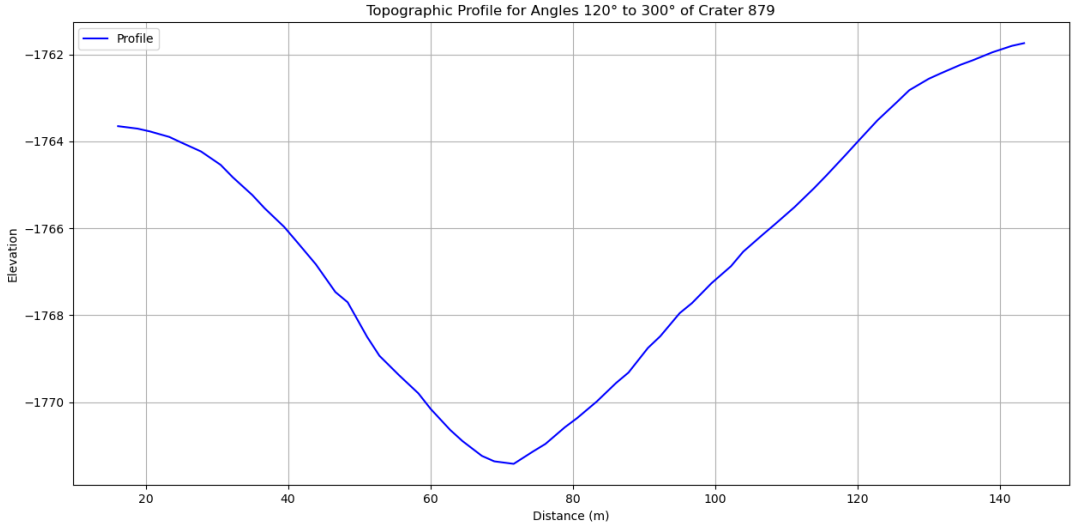

Topographic Profile for Angles 70° to 250° of Crater 879
Profile
Elevation
−1764
−1766
−1768
−1770
0
20
40
60
80
100
120
Distance (m)

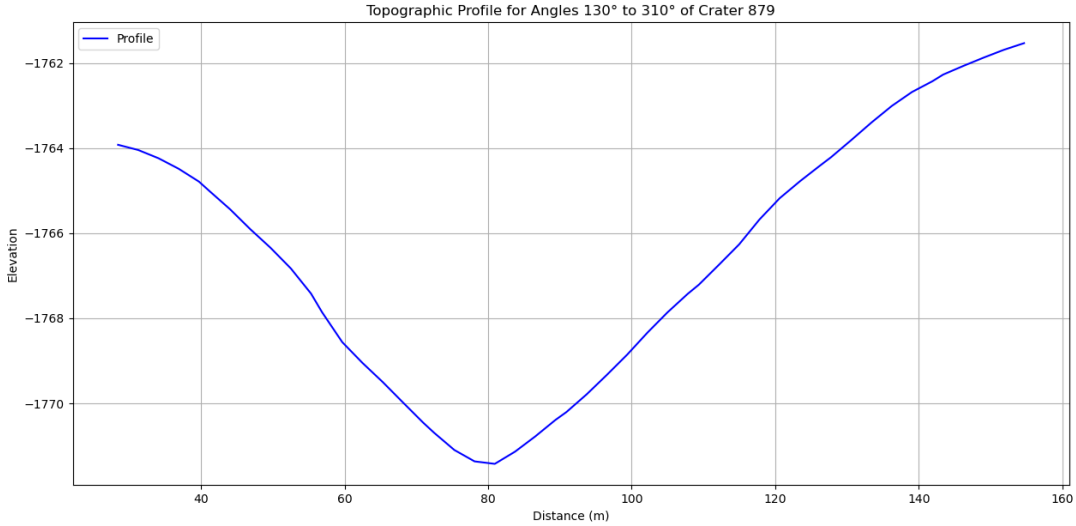

Topographic Profile for Angles 80° to 260° of Crater 879
Profile
Elevation
−1764
−1766
−1768
−1770
0
20
40
60
80
100
120
Distance (m)

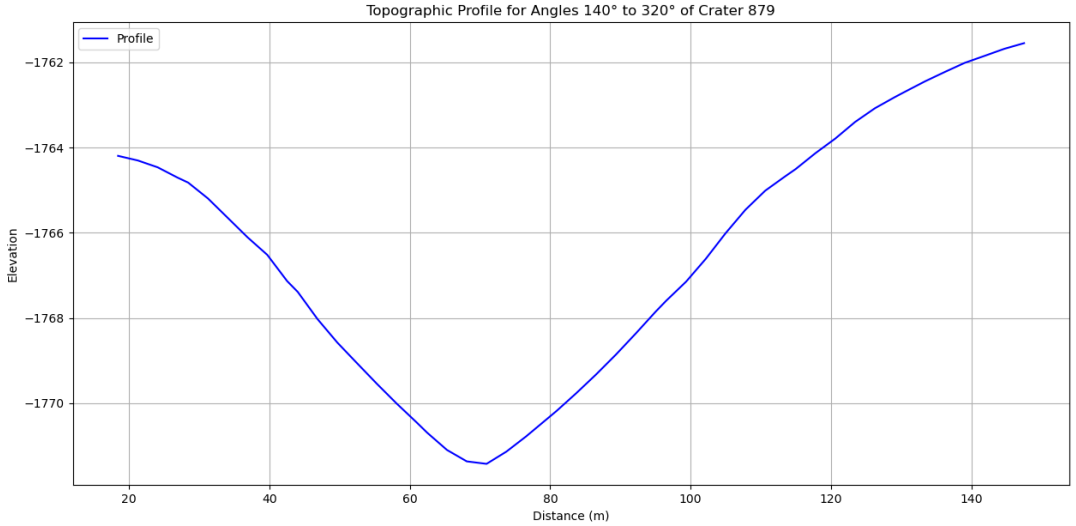

Topographic Profile for Angles 90° to 270° of Crater 879
Profile
Elevation
−1762
−1764
−1766
−1768
−1770
0
20
40
60
80
100
120
Distance (m)

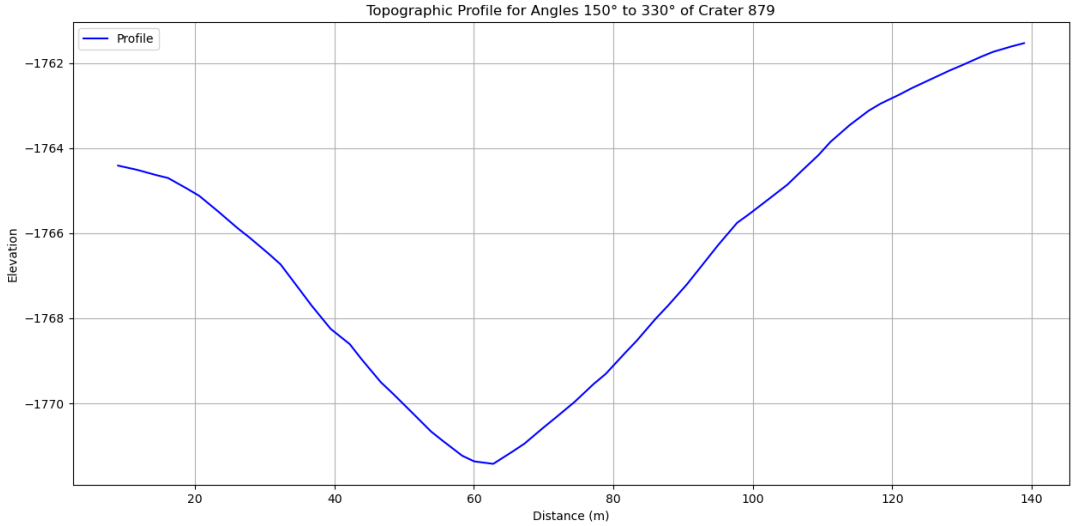

Topographic Profile for Angles 100° to 280° of Crater 879
Profile
Elevation
−1762
−1764
−1766
−1768
−1770
0
20
40
60
80
100
120
Distance (m)

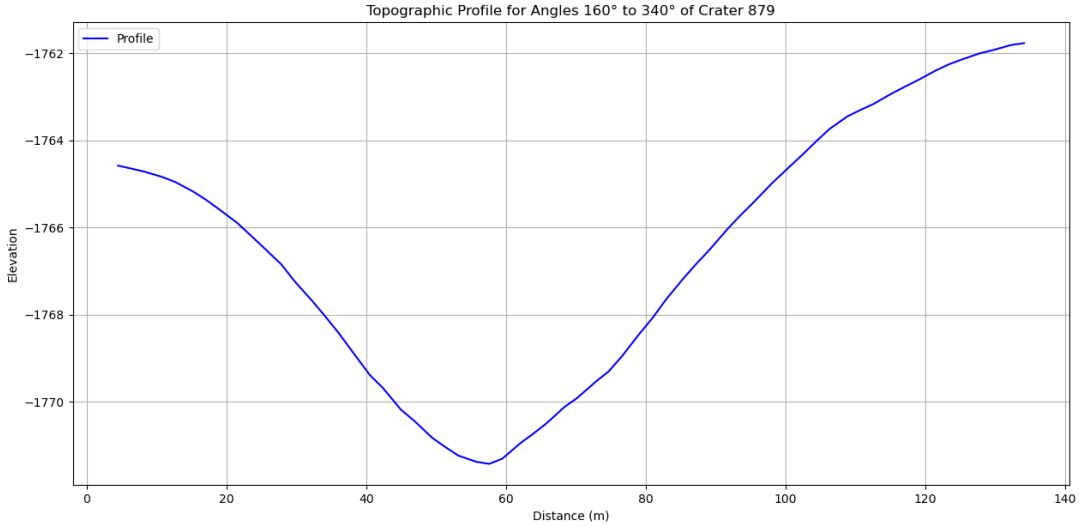

Topographic Profile for Angles 110° to 290° of Crater 879
Profile
Elevation
Distance (m)
−1762
−1764
−1766
−1768
−1770
20
40
60
80
100
120
140

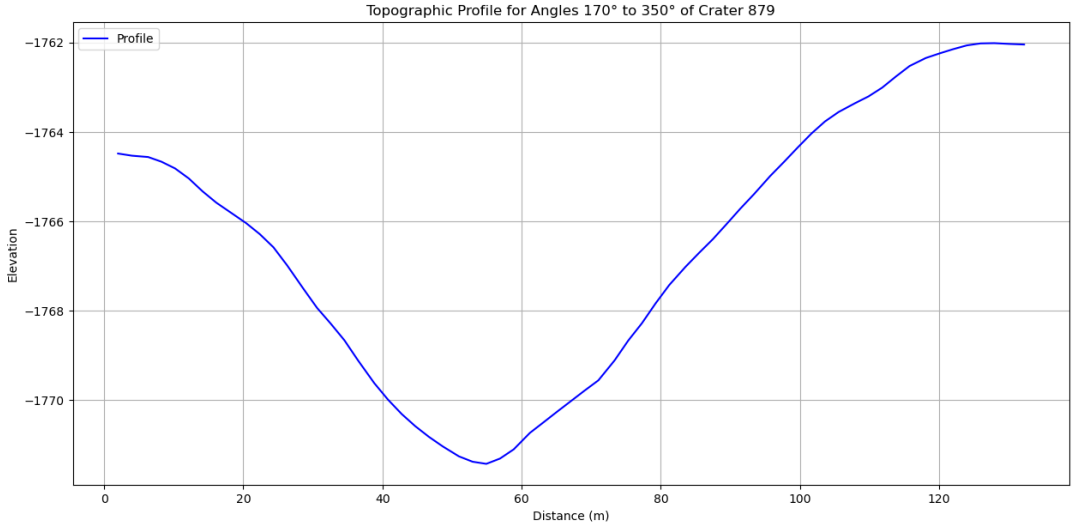

Topographic Profile for Angles 120° to 300° of Crater 879
Profile
Elevation
Distance (m)
−1762
−1764
−1766
−1768
−1770
20
40
60
80
100
120
140


Topographic Profile for Angles 130° to 310° of Crater 879
Profile
Elevation
Distance (m)
−1762
−1764
−1766
−1768
−1770
40
60
80
100
120
140
160


Topographic Profile for Angles 140° to 320° of Crater 879
Profile
Elevation
Distance (m)
−1762
−1764
−1766
−1768
−1770
20
40
60
80
100
120
140


Topographic Profile for Angles 150° to 330° of Crater 879
Profile
Elevation
−1762
−1764
−1766
−1768
−1770
20
40
60
80
100
120
140
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 879
Profile
Elevation
−1762
−1764
−1766
−1768
−1770
0
20
40
60
80
100
120
140
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 879
Profile
Elevation
−1762
−1764
−1766
−1768
−1770
0
20
40
60
80
100
120
Distance (m)