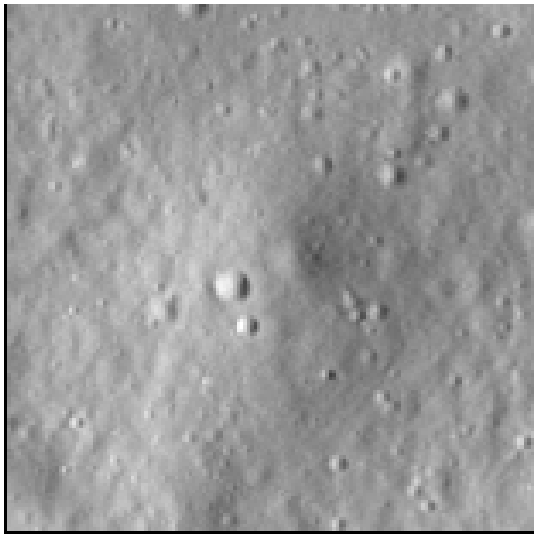
Crater report 787 of RG2

General information



ID : 787

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 79m ± 3.0m

Mean depht : 2.8m ± 0.3m

d/D ratio : 0.035 ± 0.005

Circularity index : 0.9

Slope : Between 2.82° et 8.59°

Mean value of TRI on the rim crest : 0.30

Geometric center coordinates : (3659008.901125075, 230293.34699786516)

Coordinates of the crater's lowest point : (3659015.0000011013, 230295.000000068)

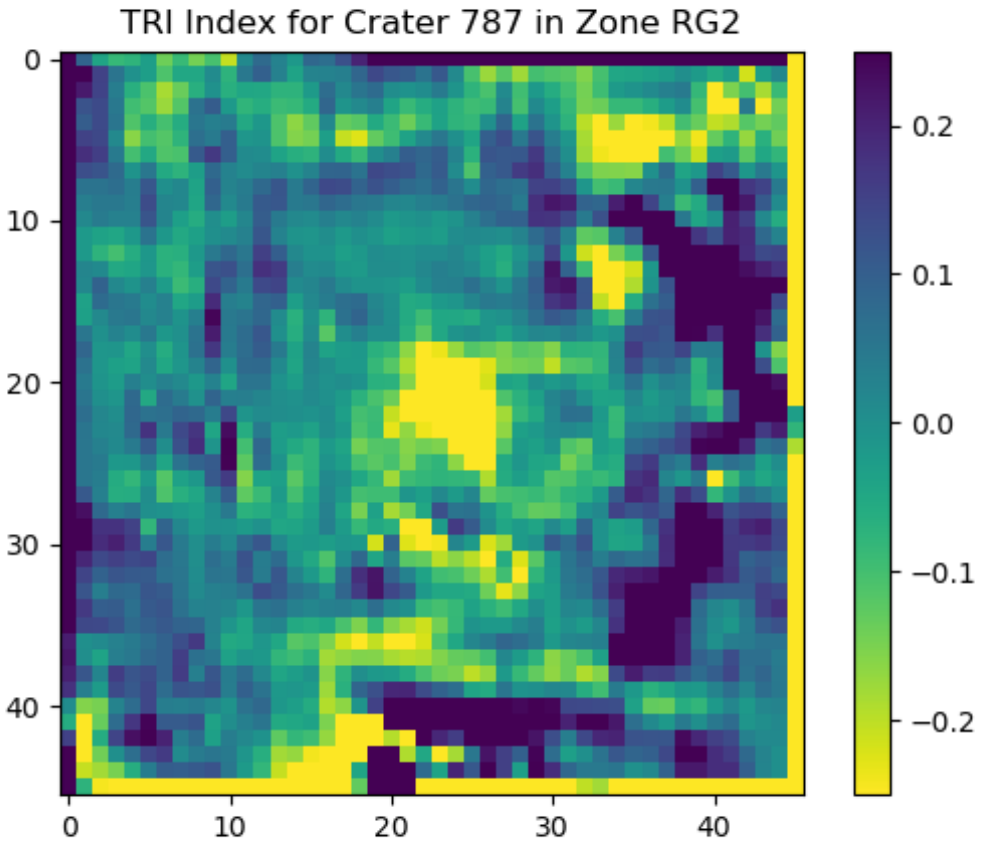
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	6.22	0.57
10°	5.52	0.55
20°	5.31	0.51
30°	5.33	0.48
40°	5.43	0.4
50°	4.87	0.4
60°	3.52	0.48
70°	3.8	0.5
80°	3.8	0.55
90°	3.92	0.57
100°	3.86	0.55
110°	3.64	0.5

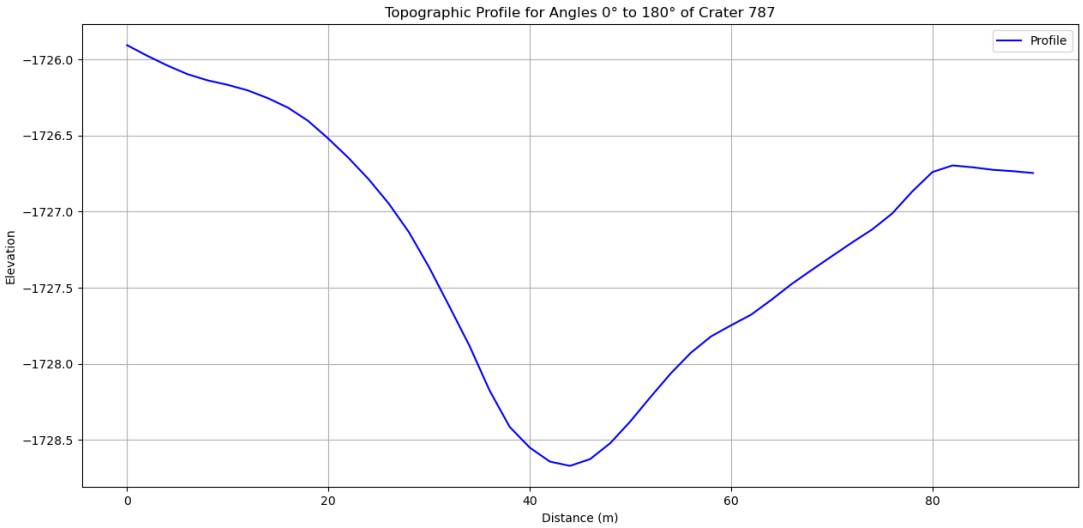
120°	3.55	0.48
130°	3.52	0.43
140°	3.39	0.43
150°	2.99	0.49
160°	2.87	0.51
170°	2.82	0.54
180°	2.86	0.57
190°	2.86	0.56
200°	3.78	0.51
210°	4.05	0.47
220°	4.85	0.42
230°	6.15	0.42
240°	6.66	0.48
250°	7.15	0.51
260°	8.17	0.54
270°	8.59	0.57
280°	8.34	0.55
290°	8.02	0.51
300°	7.47	0.46
310°	7.7	0.43
320°	6.87	0.43
330°	6.83	0.46
340°	6.03	0.51
350°	6.1	0.55

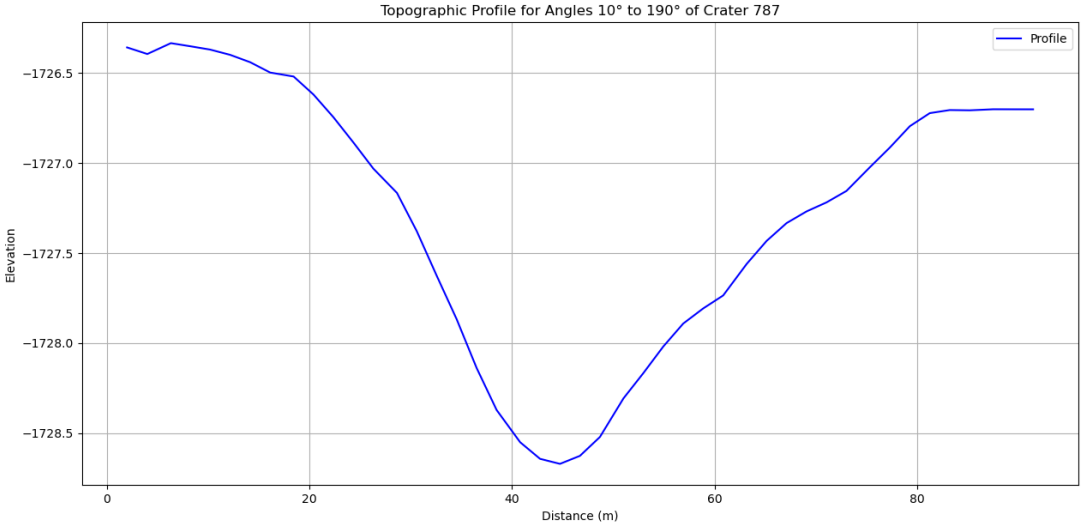
Topographic roughness index (TRI)

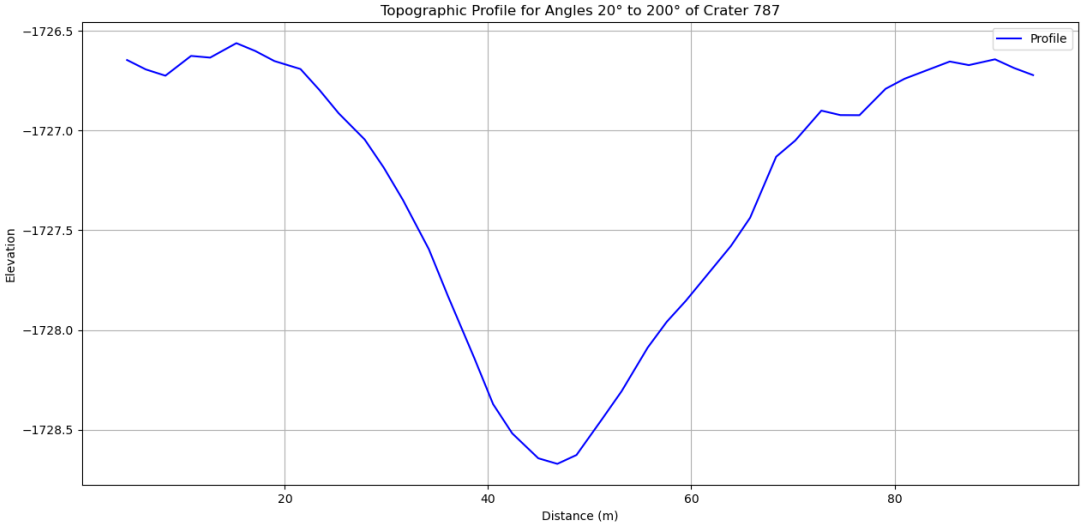
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

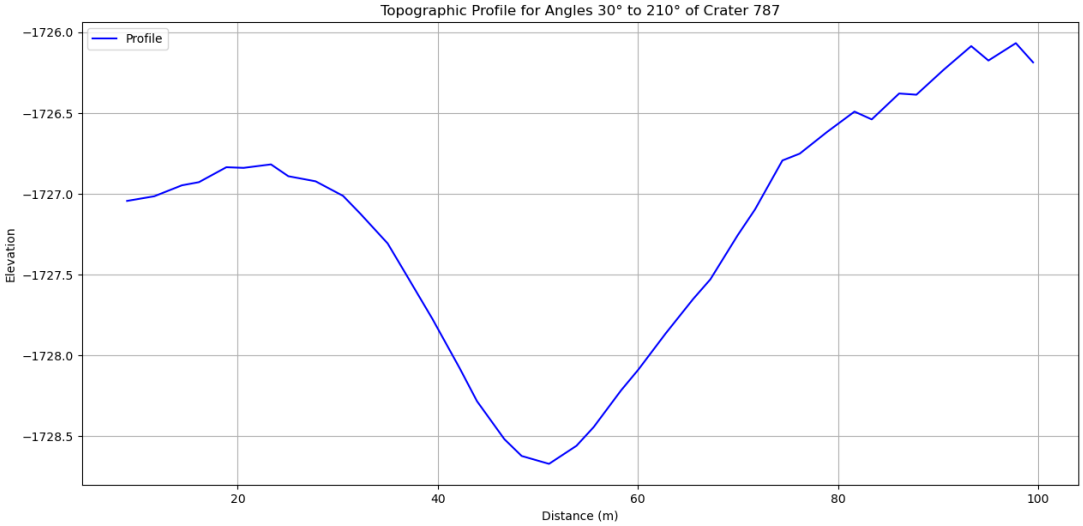


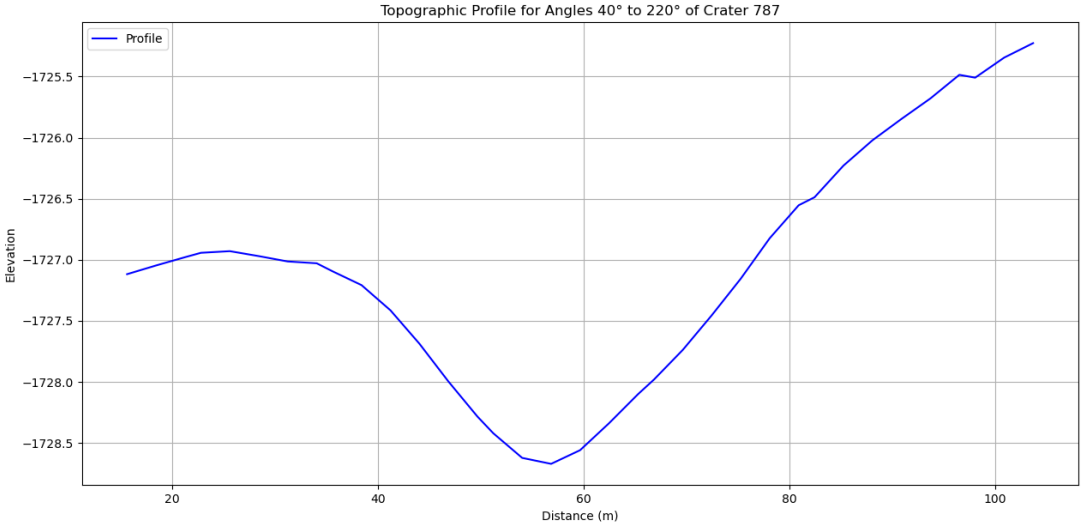
Topographic profiles

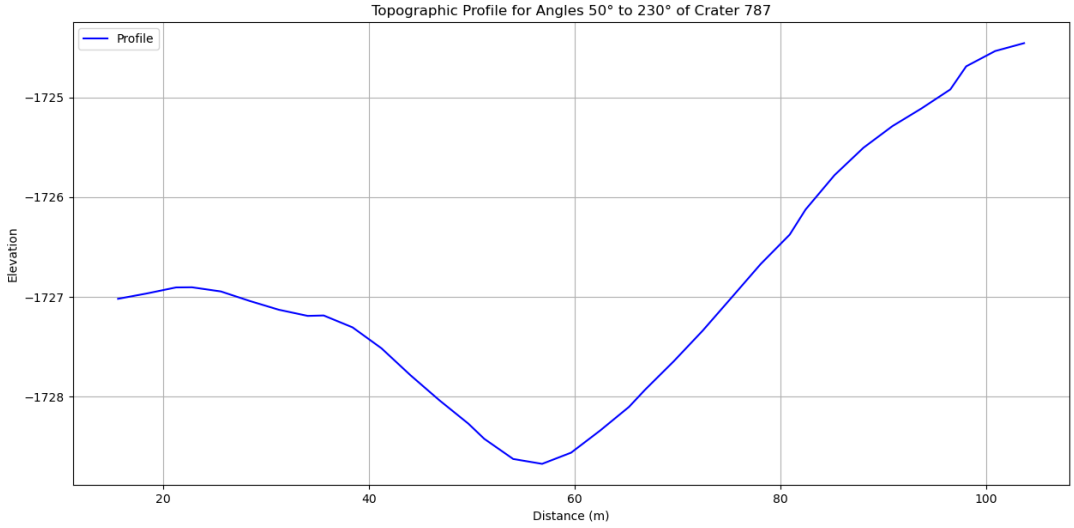


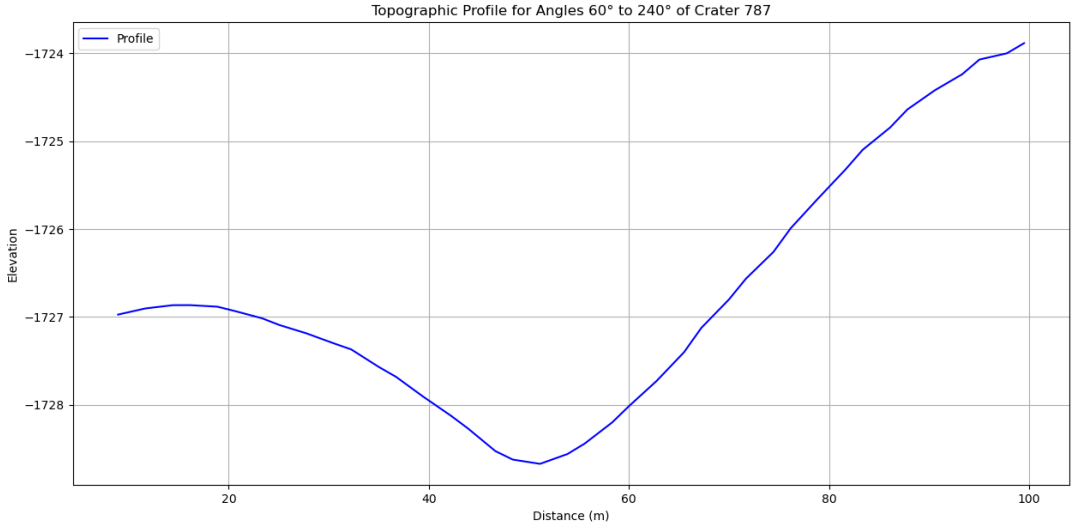

Topographic Profile for Angles 10° to 190° of Crater 787
Profile
−1726.5
−1727.0
−1727.5
−1728.0
−1728.5
Elevation
0
20
40
60
80
Distance (m)

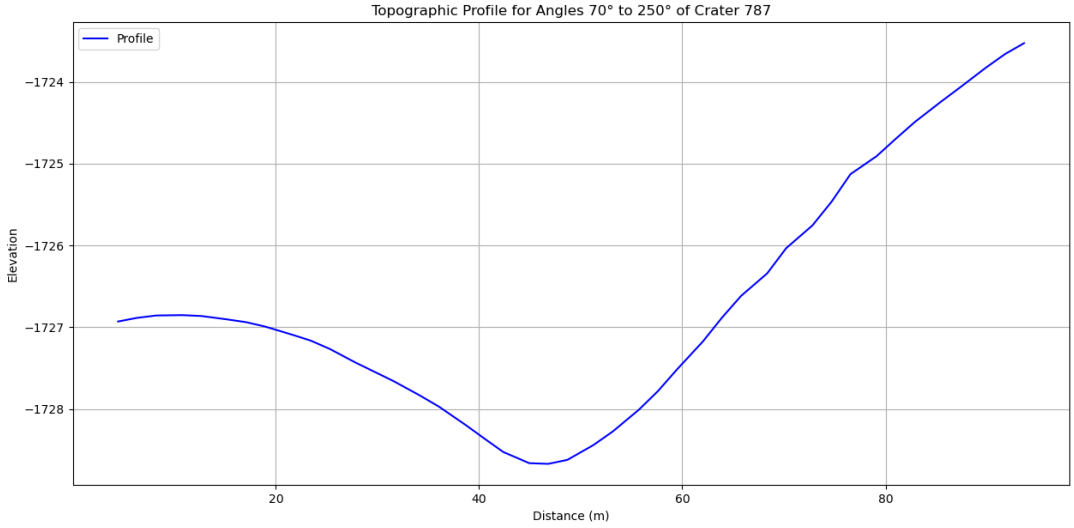

Topographic Profile for Angles 20° to 200° of Crater 787
Profile
−1726.5
−1727.0
−1727.5
−1728.0
−1728.5
Elevation
20
40
60
80
Distance (m)

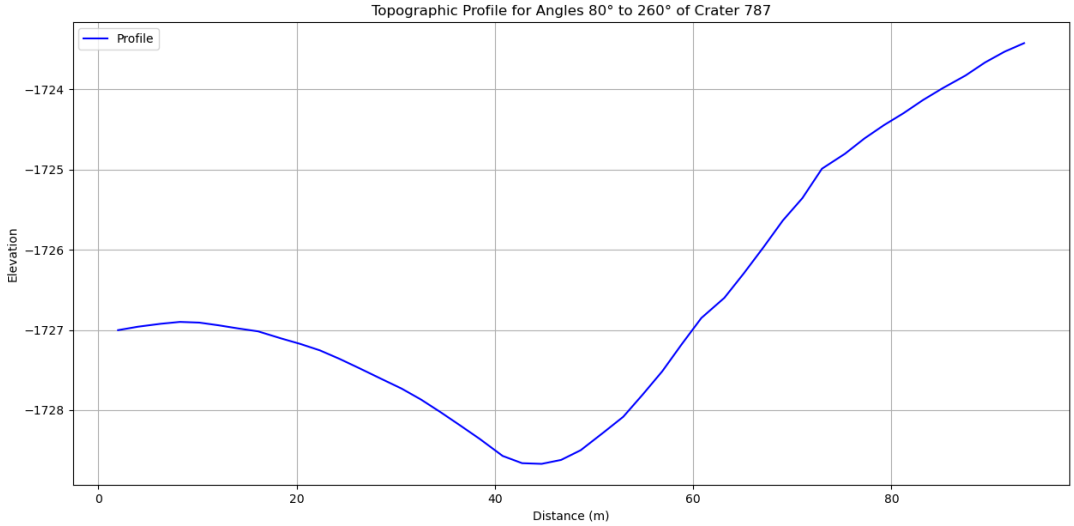

Topographic Profile for Angles 30° to 210° of Crater 787
Profile
Elevation
Distance (m)
−1726.0
−1726.5
−1727.0
−1727.5
−1728.0
−1728.5
20
40
60
80
100

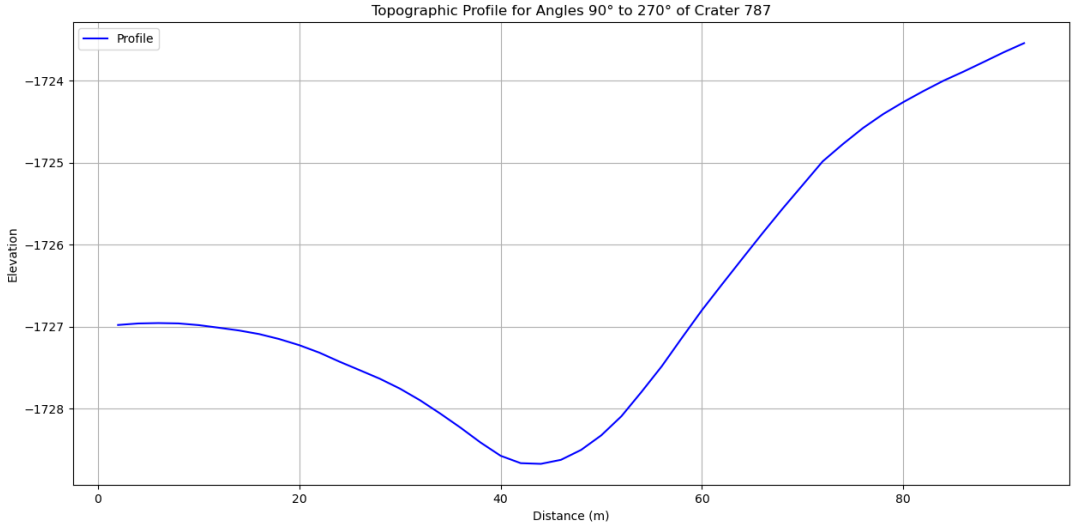

Topographic Profile for Angles 40° to 220° of Crater 787
Profile
Elevation
Distance (m)
−1725.5
−1726.0
−1726.5
−1727.0
−1727.5
−1728.0
−1728.5
20
40
60
80
100

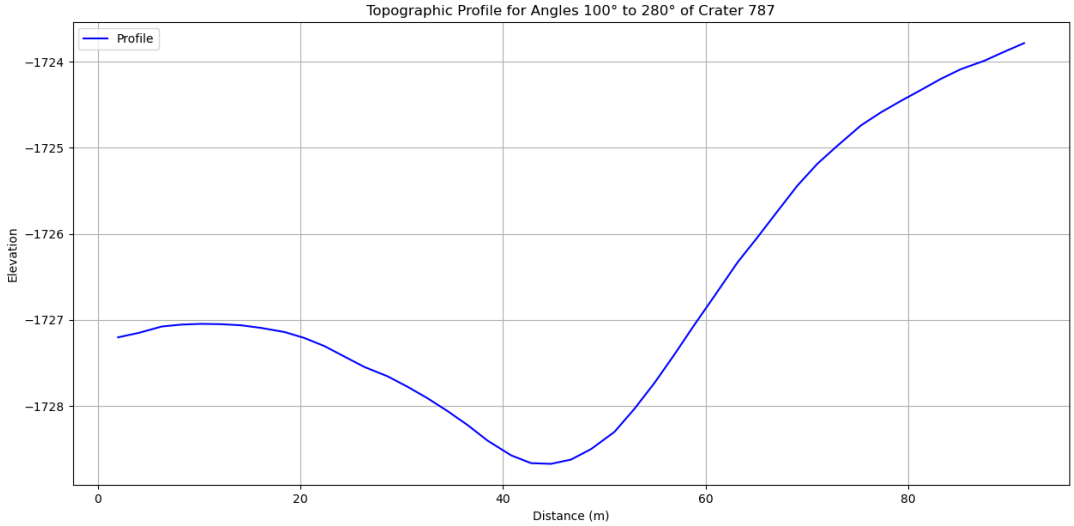

Topographic Profile for Angles 50° to 230° of Crater 787
Profile
Elevation
−1725
−1726
−1727
−1728
20
40
60
80
100
Distance (m)

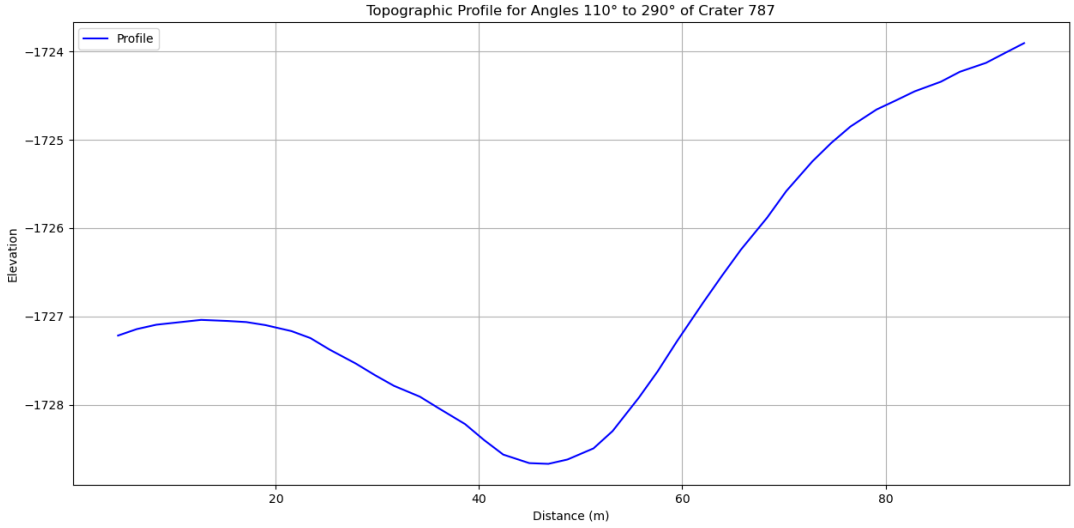

Topographic Profile for Angles 60° to 240° of Crater 787
Profile
Elevation
−1724
−1725
−1726
−1727
−1728
20
40
60
80
100
Distance (m)

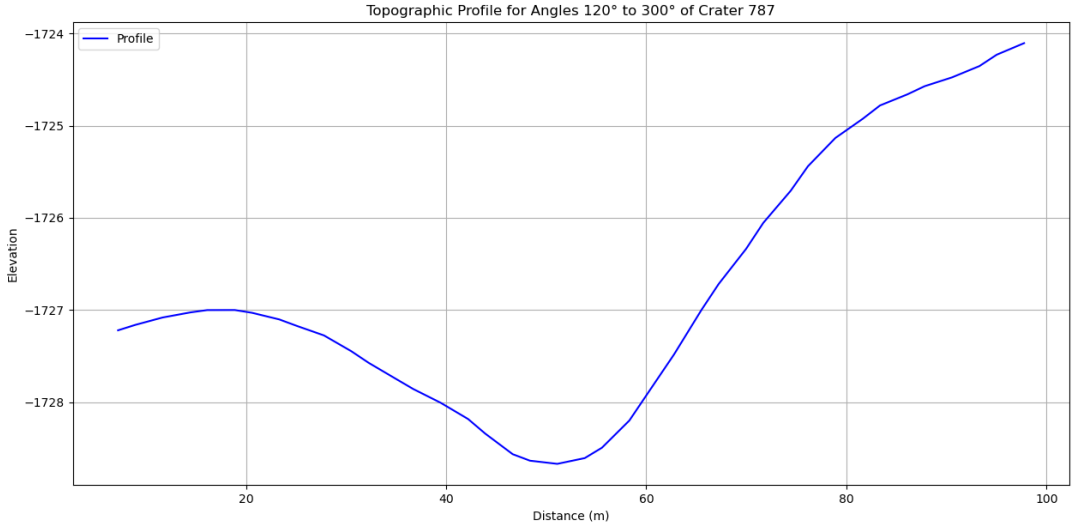

Topographic Profile for Angles 70° to 250° of Crater 787
Profile
−1724
−1725
−1726
−1727
−1728
Elevation
20
40
60
80
Distance (m)

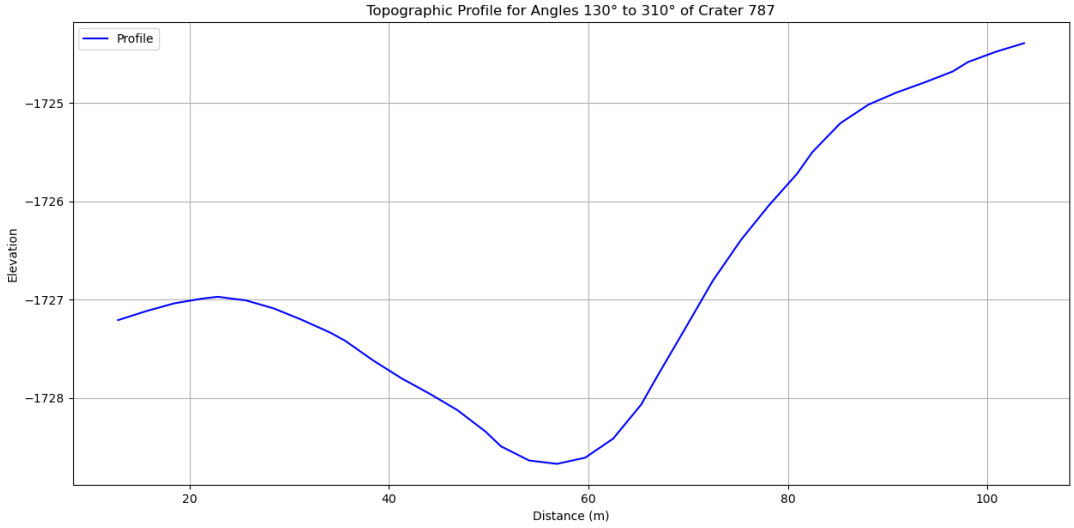

Topographic Profile for Angles 80° to 260° of Crater 787
Profile
−1724
−1725
−1726
−1727
−1728
Elevation
0
20
40
60
80
Distance (m)

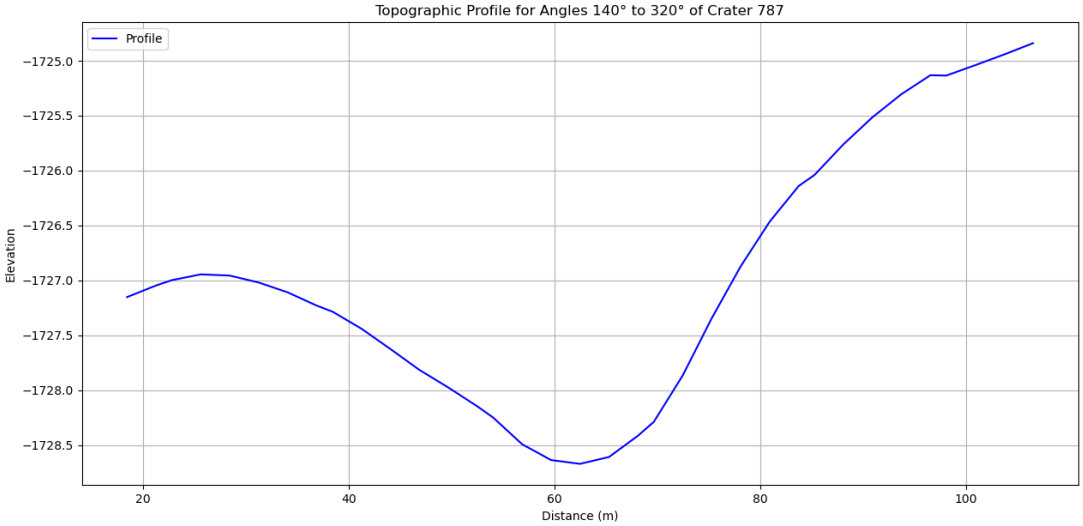

Topographic Profile for Angles 90° to 270° of Crater 787
Profile
Elevation
−1724
−1725
−1726
−1727
−1728
0
20
40
60
80
Distance (m)

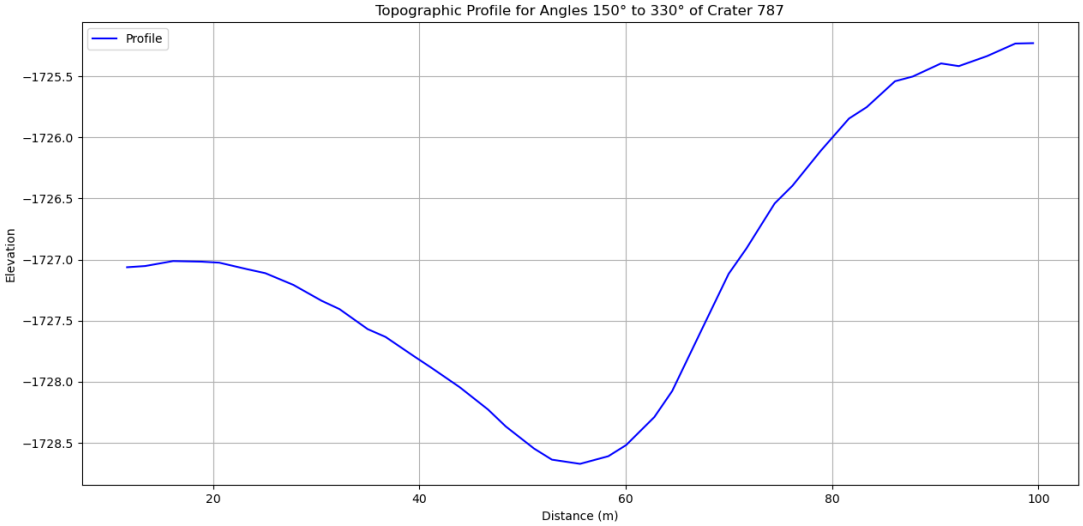

Topographic Profile for Angles 100° to 280° of Crater 787
Profile
Elevation
−1724
−1725
−1726
−1727
−1728
0
20
40
60
80
Distance (m)

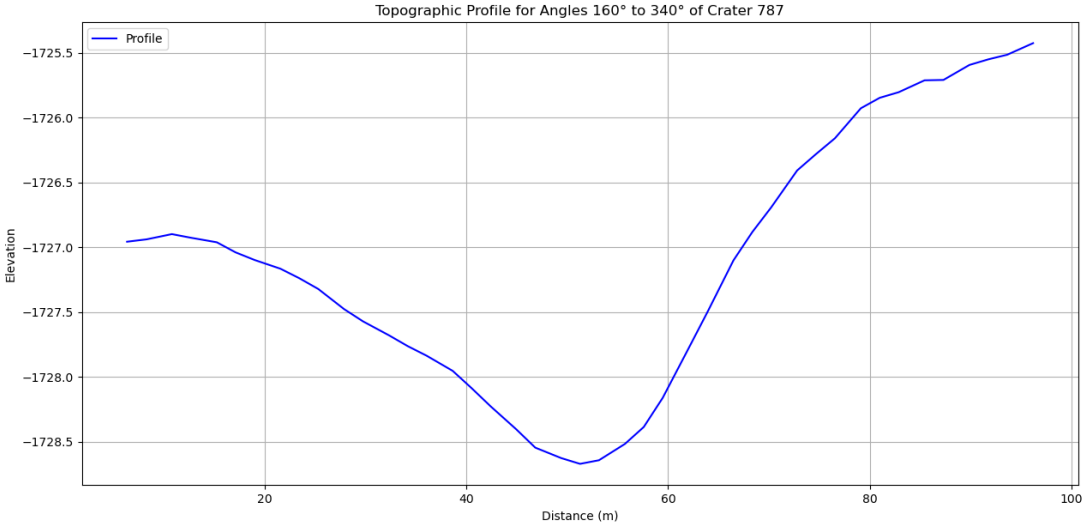

Topographic Profile for Angles 110° to 290° of Crater 787
Profile
Elevation
−1724
−1725
−1726
−1727
−1728
20
40
60
80
Distance (m)

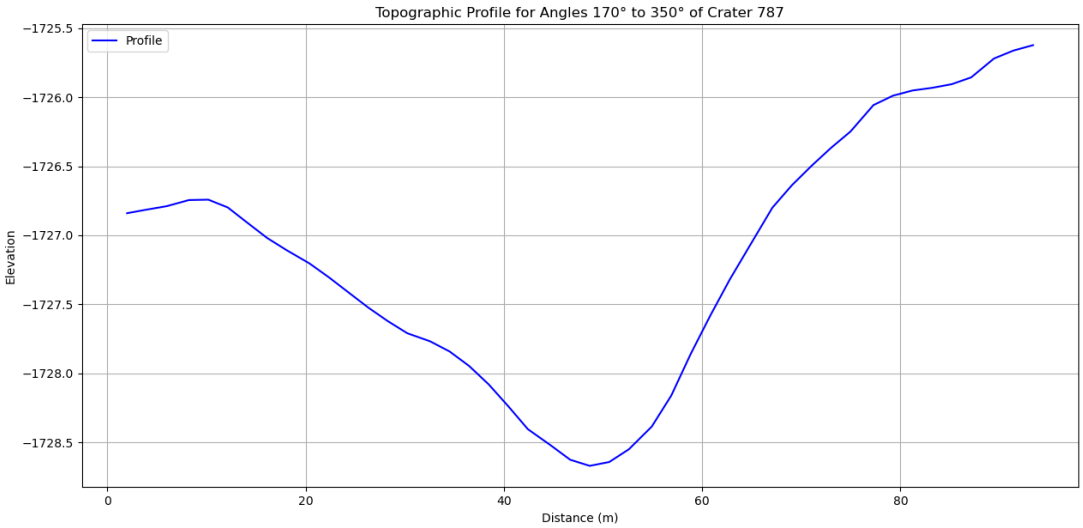

Topographic Profile for Angles 120° to 300° of Crater 787
Profile
Elevation
−1724
−1725
−1726
−1727
−1728
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 787
Profile
Elevation
−1725
−1726
−1727
−1728
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 787
Profile
Elevation
−1725.0
−1725.5
−1726.0
−1726.5
−1727.0
−1727.5
−1728.0
−1728.5
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 787
Profile
Elevation
−1725.5
−1726.0
−1726.5
−1727.0
−1727.5
−1728.0
−1728.5
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 787
Profile
Elevation
−1725.5
−1726.0
−1726.5
−1727.0
−1727.5
−1728.0
−1728.5
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 787
Profile
Elevation
−1725.5
−1726.0
−1726.5
−1727.0
−1727.5
−1728.0
−1728.5
0
20
40
60
80
Distance (m)