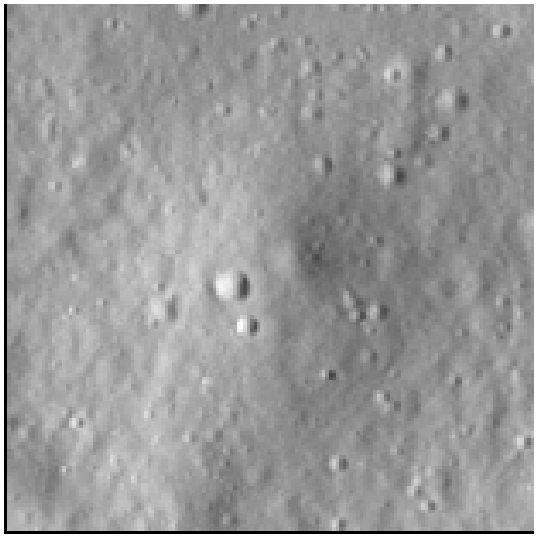
Crater report 787 of RG2

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

Mean slope : 4.58°

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)

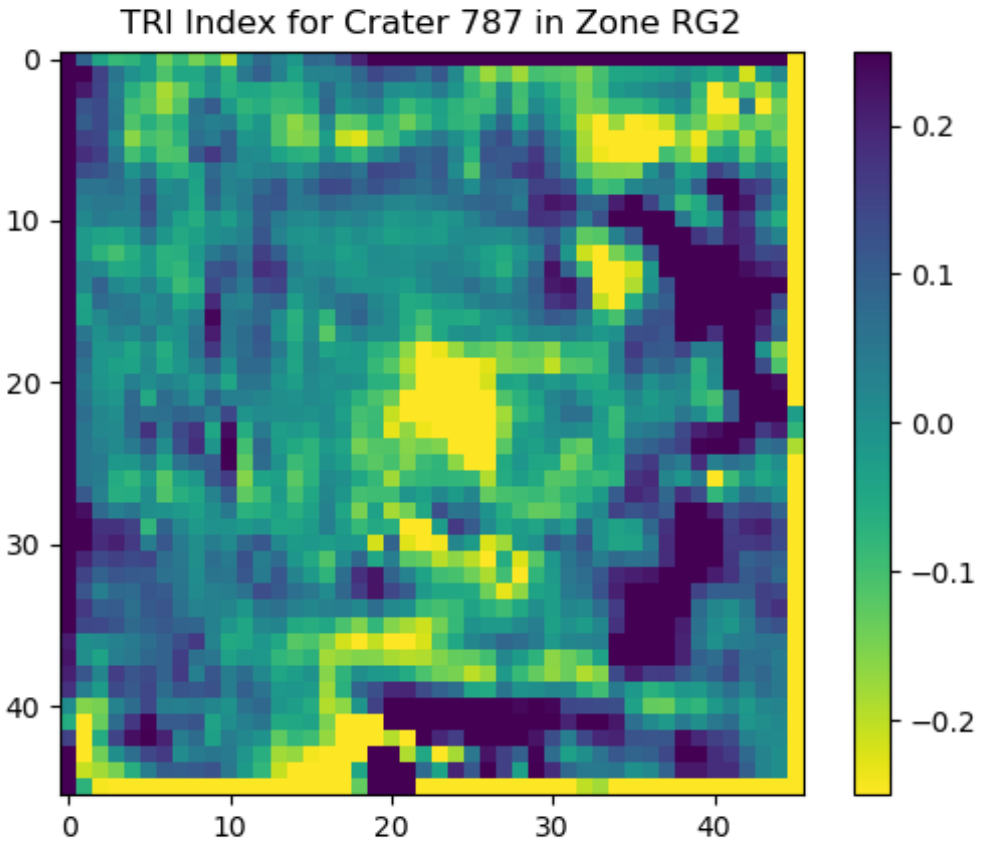
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	5.25	0.57
10°	4.76	0.54
20°	4.53	0.52
30°	4.42	0.47
40°	4.39	0.43
50°	4.13	0.43
60°	3.36	0.48
70°	3.44	0.51
80°	3.41	0.54
90°	3.53	0.57
100°	3.33	0.54
110°	3.24	0.51

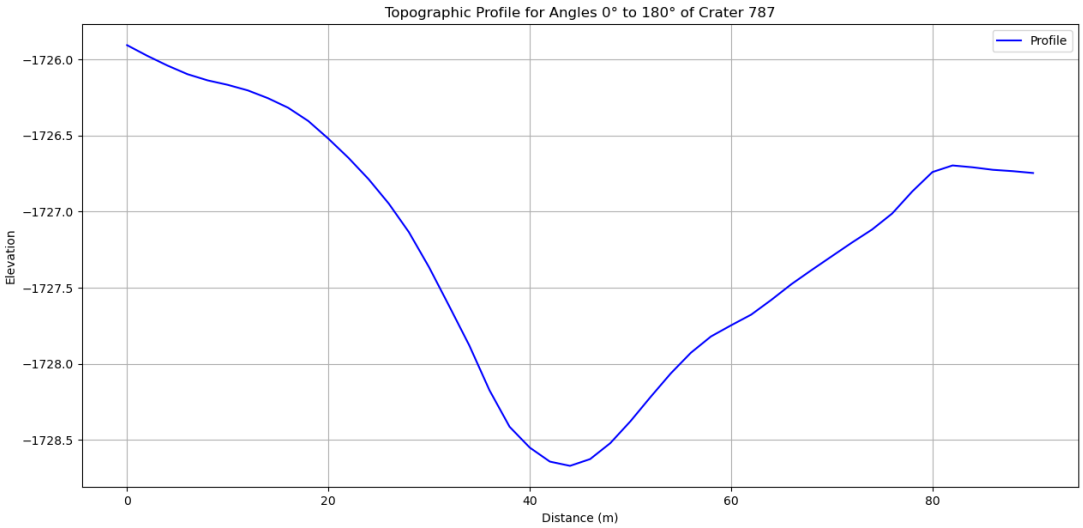
120°	3.21	0.48
130°	3.23	0.44
140°	3.21	0.42
150°	2.8	0.48
160°	2.74	0.51
170°	2.83	0.54
180°	2.96	0.57
190°	2.87	0.55
200°	3.55	0.51
210°	3.86	0.48
220°	4.51	0.43
230°	5.52	0.43
240°	5.88	0.48
250°	6.26	0.51
260°	6.97	0.54
270°	7.4	0.57
280°	7.15	0.55
290°	6.91	0.51
300°	6.59	0.47
310°	6.72	0.44
320°	5.95	0.44
330°	5.67	0.47
340°	5.14	0.52
350°	5.17	0.55

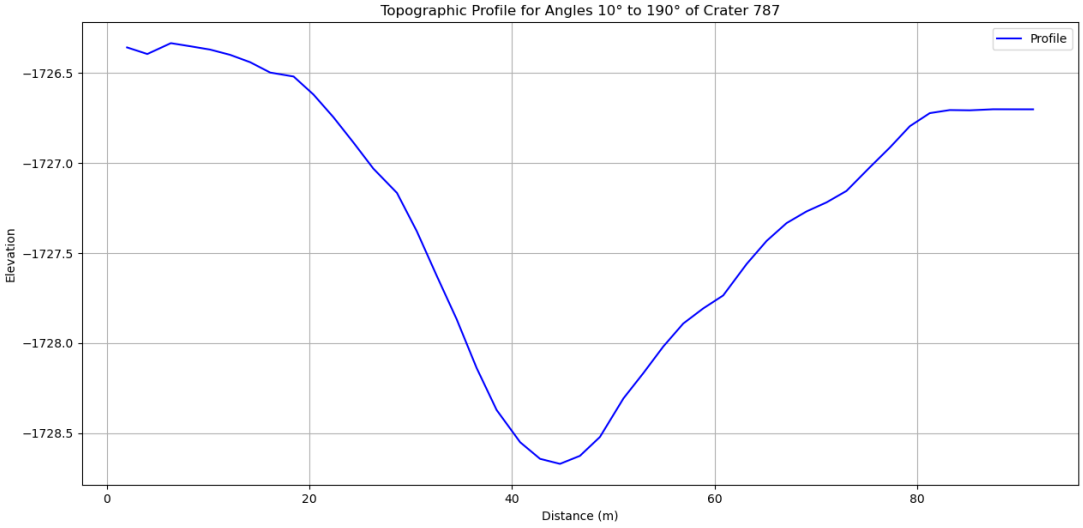
Topographic roughness index (TRI)

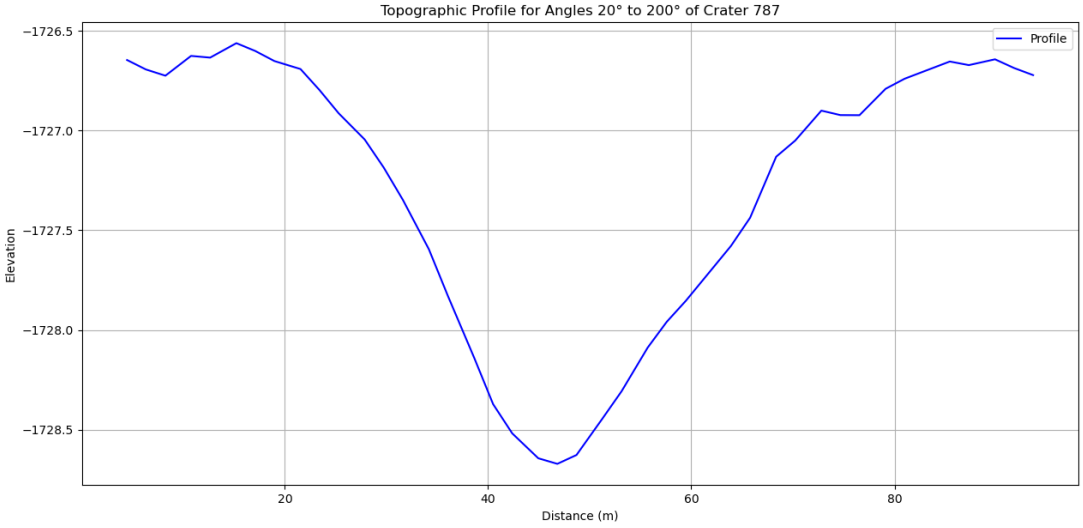
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

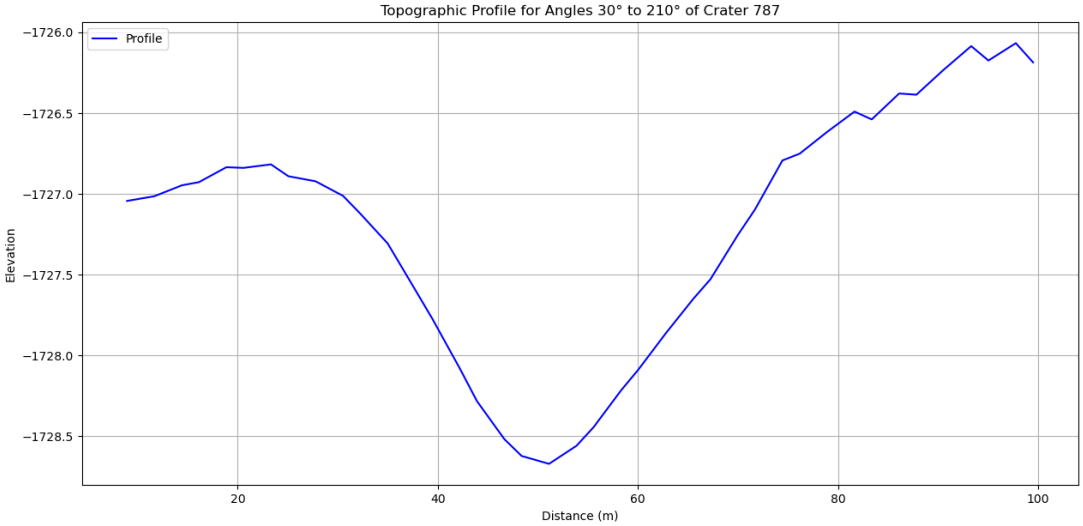


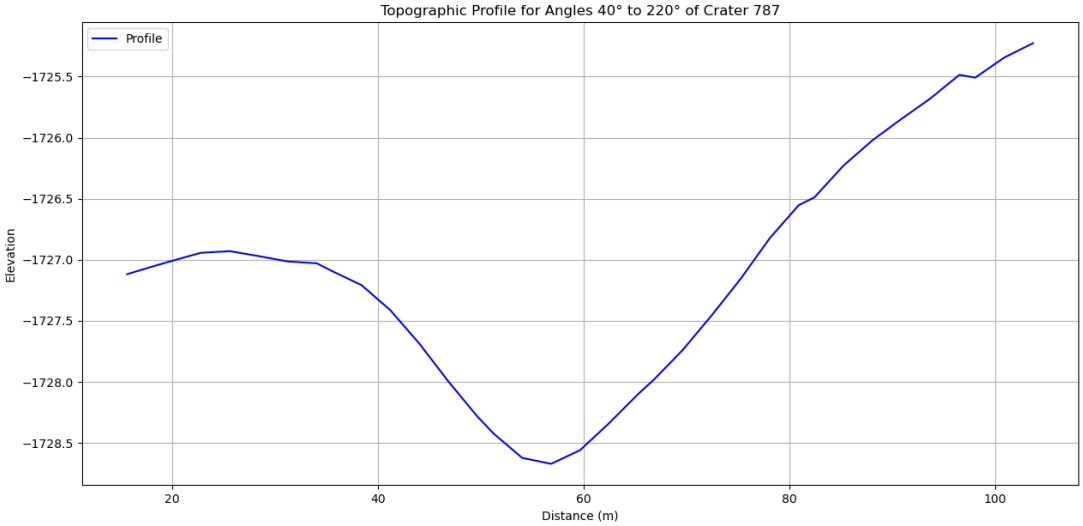
Topographic profiles

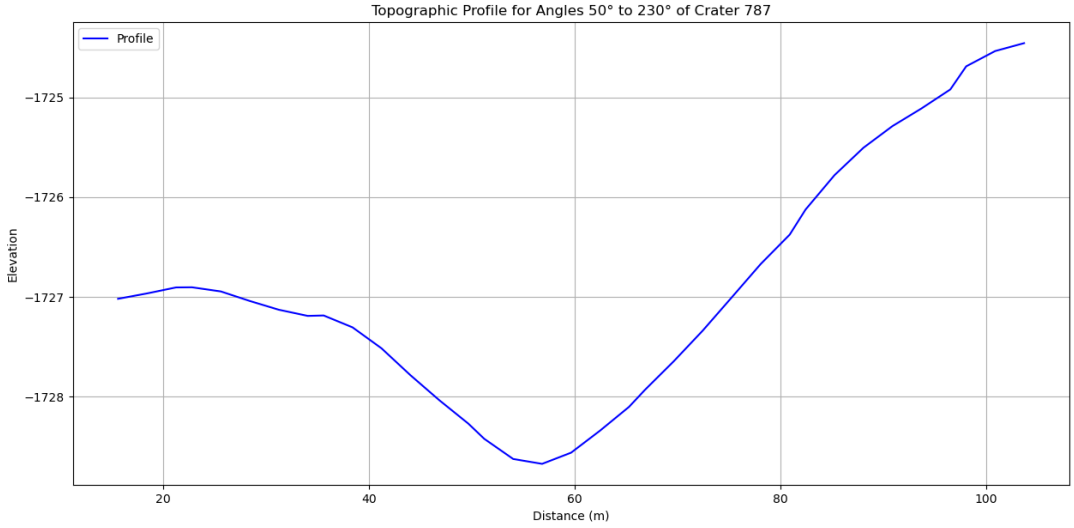


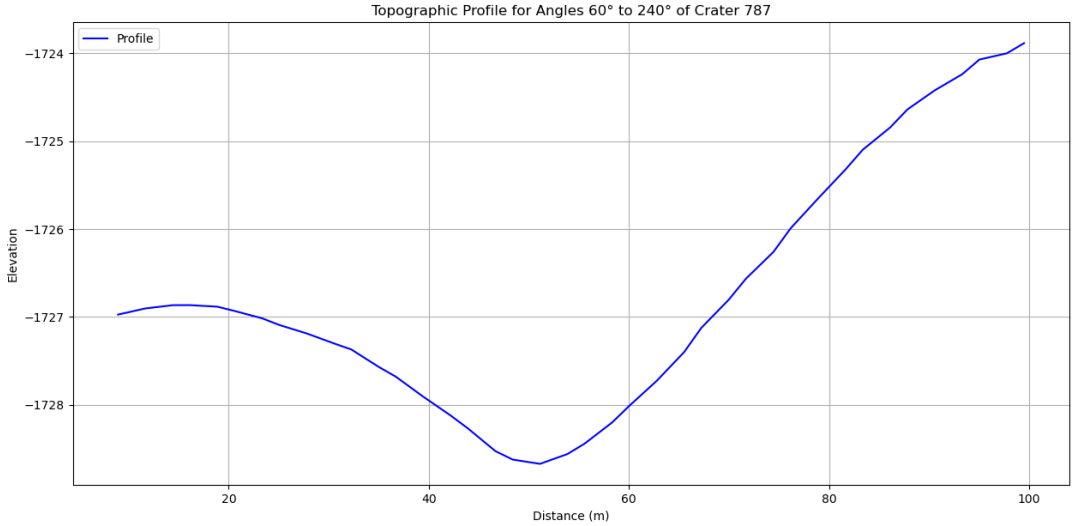

Topographic Profile for Angles 10° to 190° of Crater 787
Profile
−1726.5
−1727.0
−1727.5
−1728.0
−1728.5
Elevation
0
20
40
60
80
Distance (m)

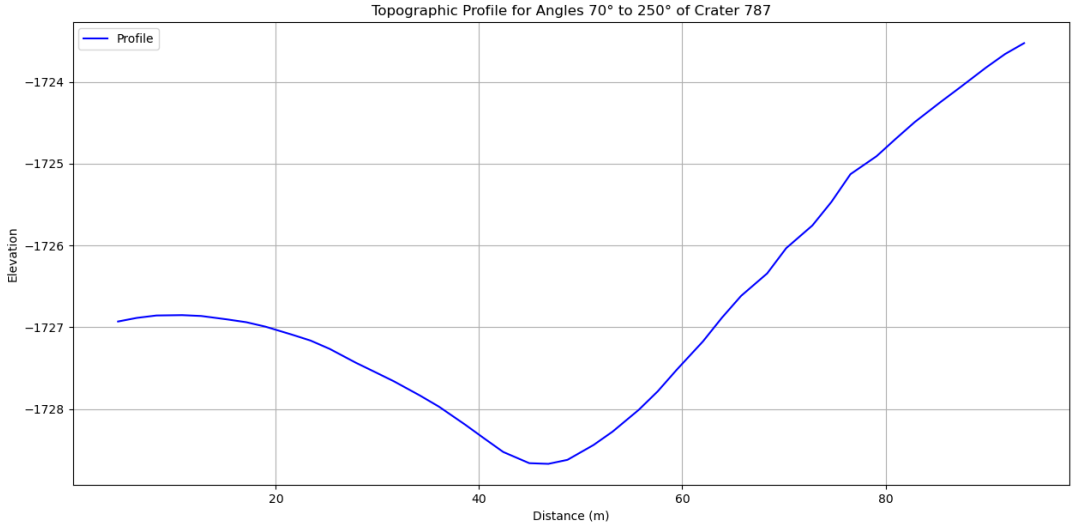

Topographic Profile for Angles 20° to 200° of Crater 787
Profile
−1726.5
−1727.0
−1727.5
−1728.0
−1728.5
Elevation
20
40
60
80
Distance (m)

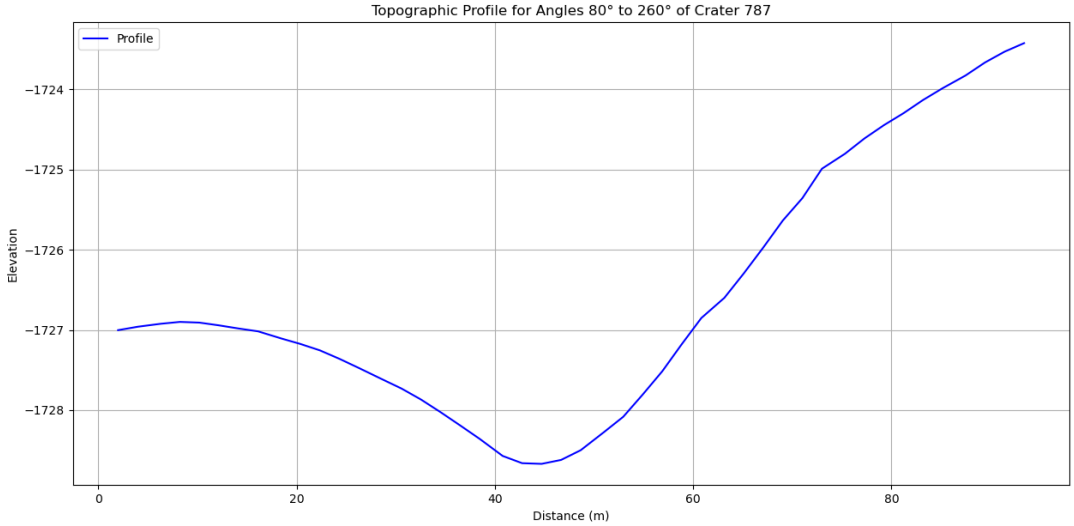

Topographic Profile for Angles 30° to 210° of Crater 787
Profile
Elevation
Distance (m)
−1726.0
−1726.5
−1727.0
−1727.5
−1728.0
−1728.5
20
40
60
80
100

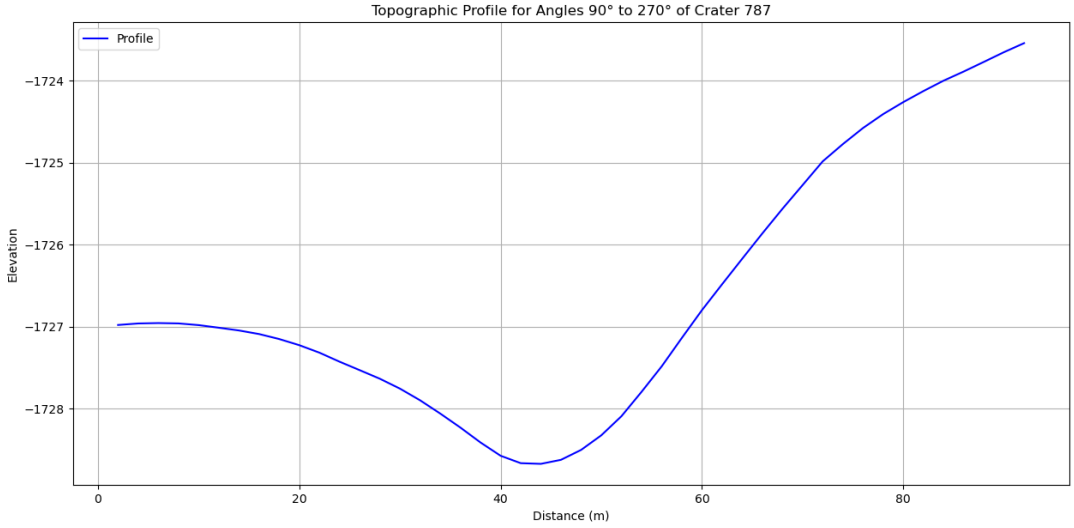

Topographic Profile for Angles 40° to 220° of Crater 787
Profile
Elevation
Distance (m)
−1725.5
−1726.0
−1726.5
−1727.0
−1727.5
−1728.0
−1728.5
20
40
60
80
100

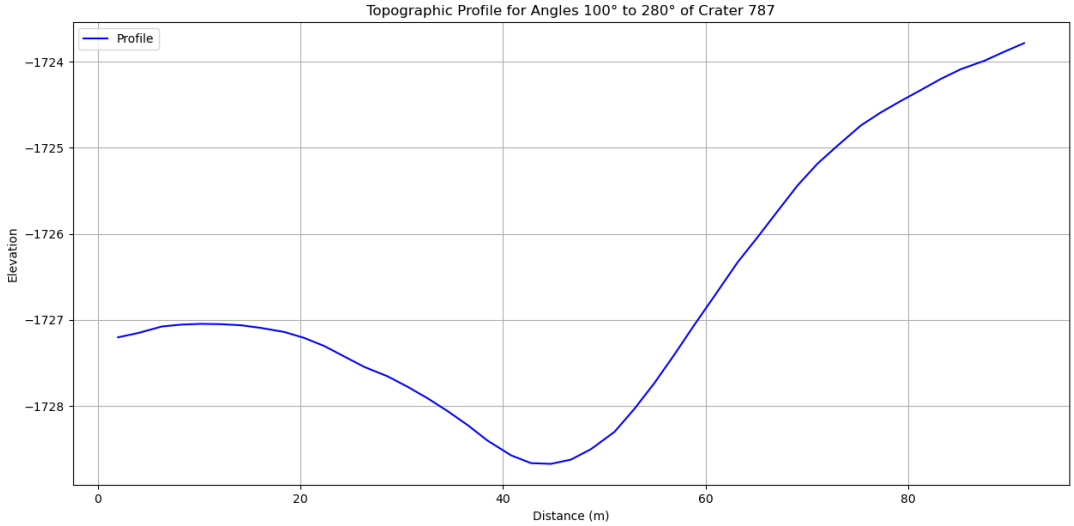

Topographic Profile for Angles 50° to 230° of Crater 787
Profile
−1725
−1726
−1727
−1728
Elevation
20
40
60
80
100
Distance (m)

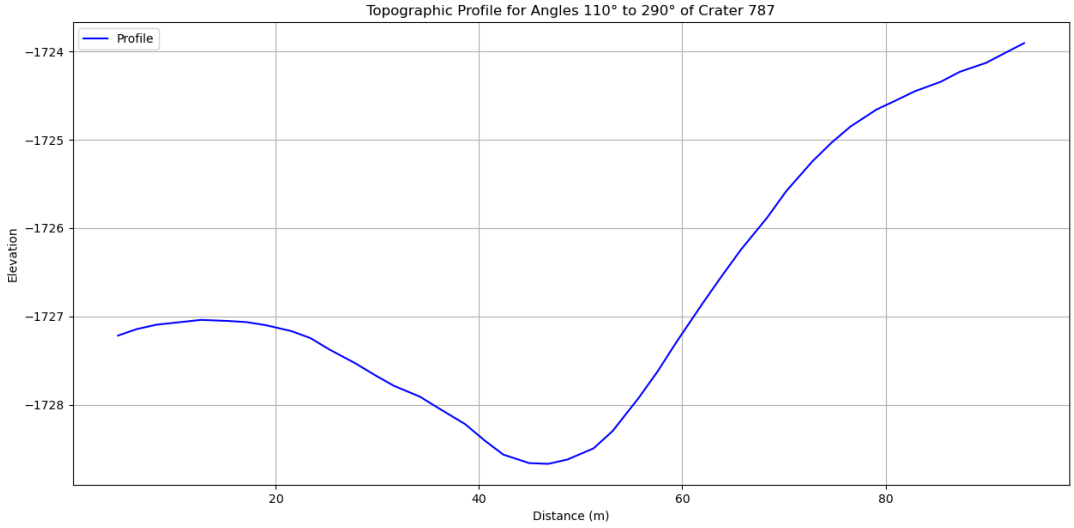

Topographic Profile for Angles 60° to 240° of Crater 787
Profile
−1724
−1725
−1726
−1727
−1728
Elevation
20
40
60
80
100
Distance (m)

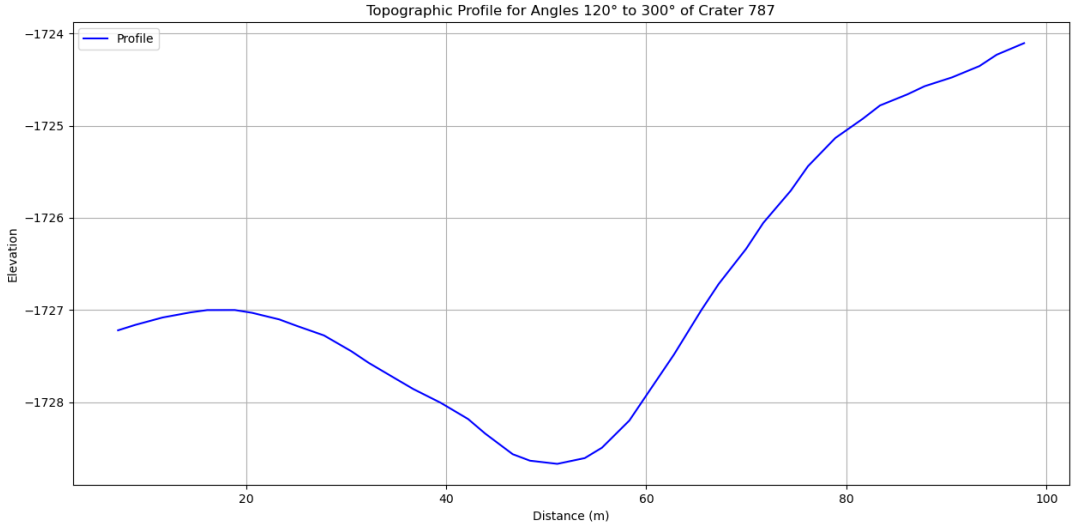

Topographic Profile for Angles 70° to 250° of Crater 787
Profile
Elevation
−1724
−1725
−1726
−1727
−1728
20
40
60
80
Distance (m)

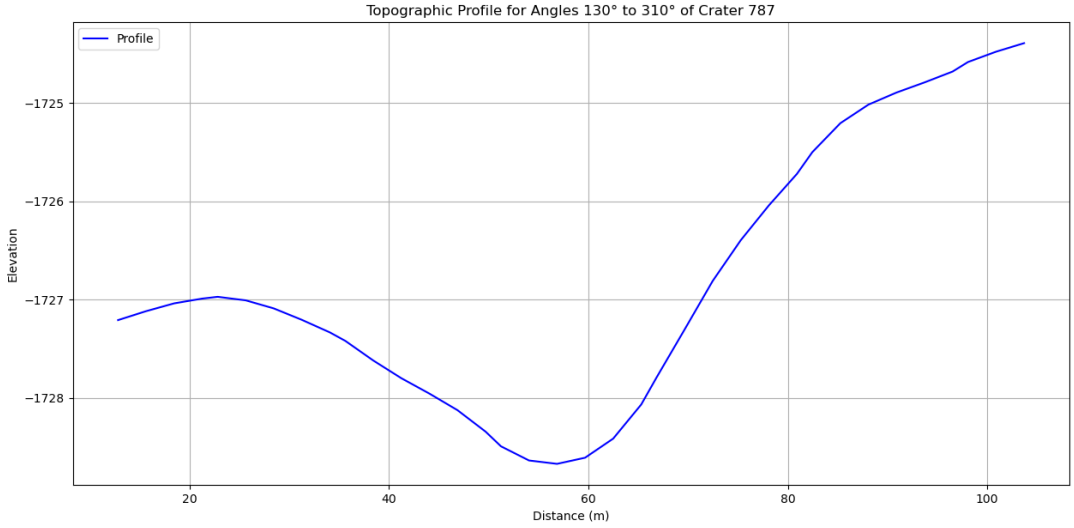

Topographic Profile for Angles 80° to 260° of Crater 787
Profile
Elevation
−1724
−1725
−1726
−1727
−1728
0
20
40
60
80
Distance (m)

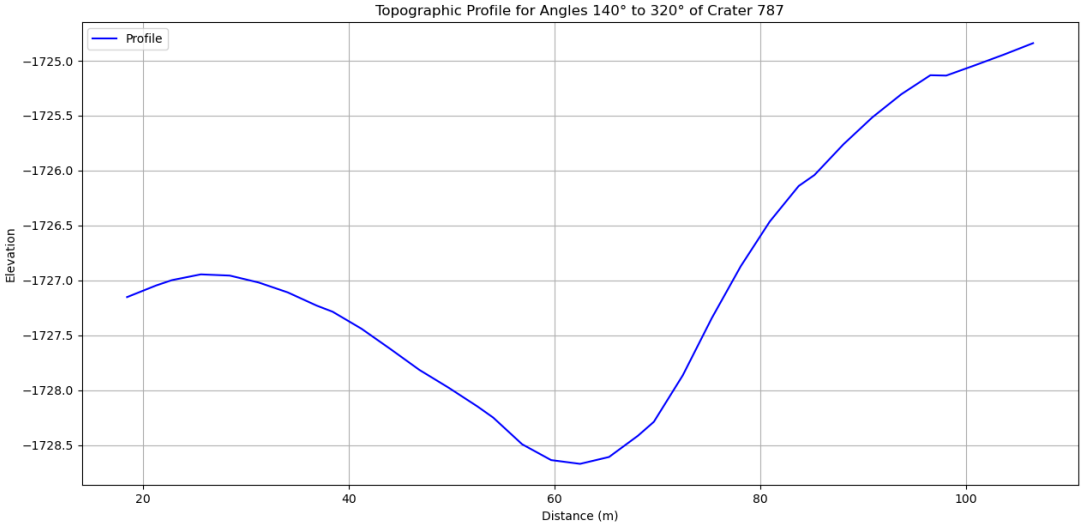

Topographic Profile for Angles 90° to 270° of Crater 787
Profile
Elevation
−1724
−1725
−1726
−1727
−1728
0
20
40
60
80
Distance (m)

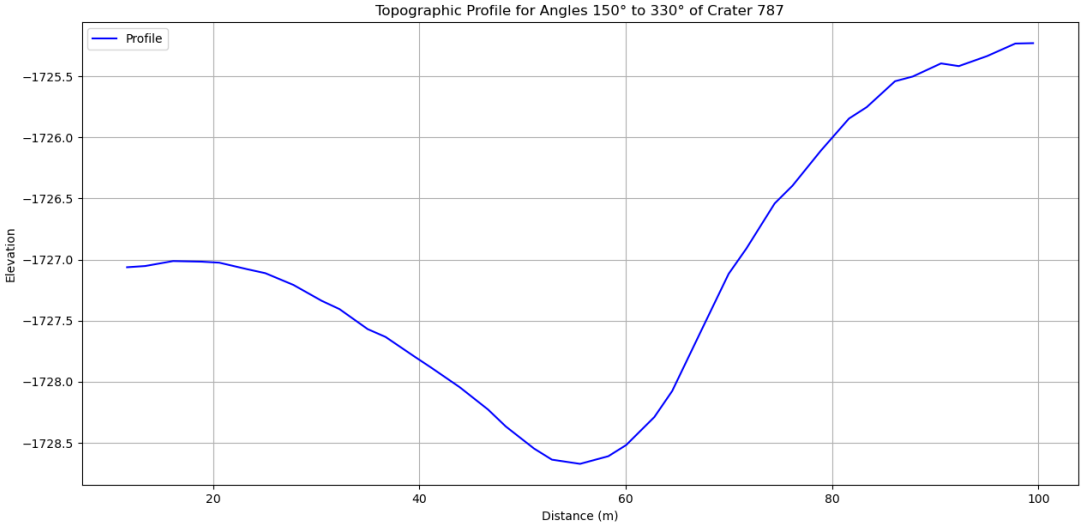

Topographic Profile for Angles 100° to 280° of Crater 787
Profile
Elevation
−1724
−1725
−1726
−1727
−1728
0
20
40
60
80
Distance (m)

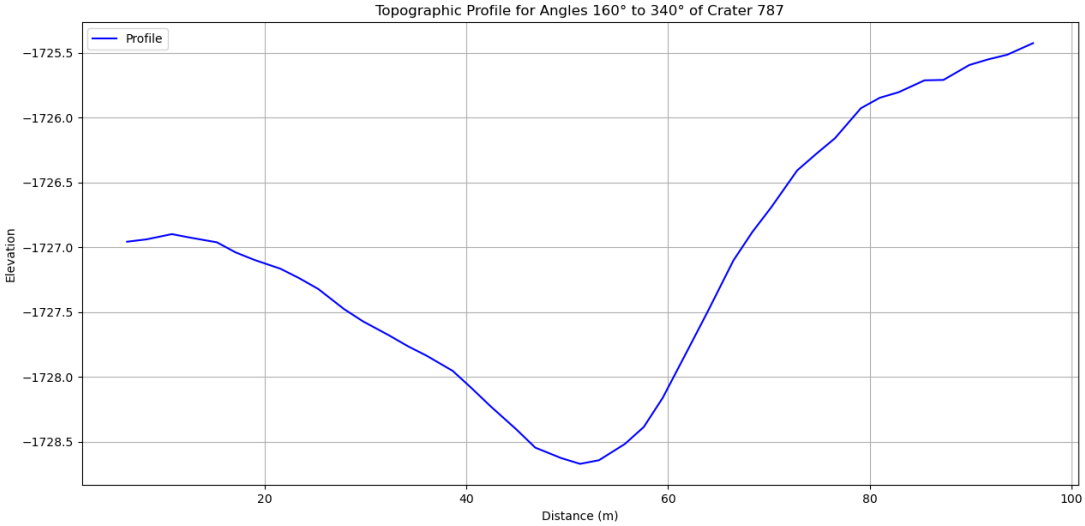

Topographic Profile for Angles 110° to 290° of Crater 787
Profile
Elevation
−1724
−1725
−1726
−1727
−1728
20
40
60
80
Distance (m)

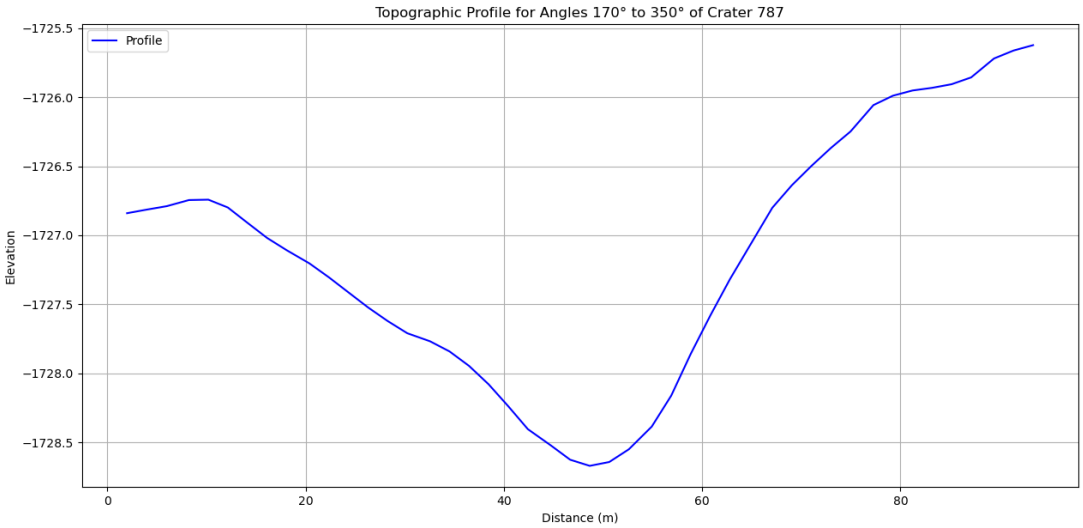

Topographic Profile for Angles 120° to 300° of Crater 787
Profile
Elevation
−1724
−1725
−1726
−1727
−1728
20
40
60
80
100
Distance (m)


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)