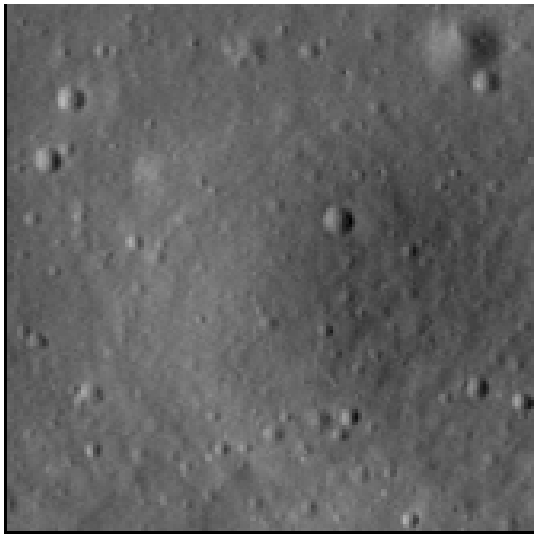
Crater report 424 of RG2

General information



ID : 424

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 85m ± 7.0m

Mean depht : 2.9m ± 0.4m

d/D ratio : 0.034 ± 0.005

Circularity index : 0.9

Mean slope : 3.79°

Mean value of TRI on the rim crest : 0.17

Geometric center coordinates : (3657790.1426377892, 233485.9557509581)

Coordinates of the crater's lowest point : (3657795.000001101, 233493.00000006895)

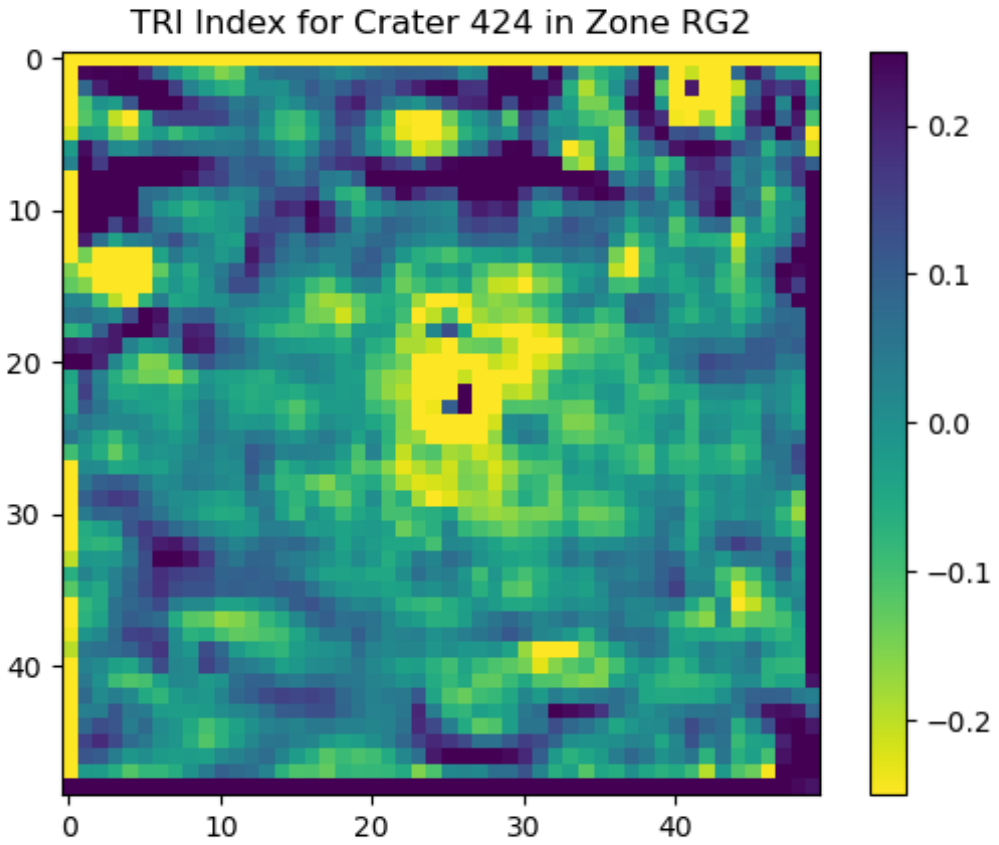
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	2.83	0.57
10°	2.64	0.54
20°	2.49	0.52
30°	2.5	0.48
40°	2.57	0.44
50°	2.68	0.43
60°	2.98	0.48
70°	3.36	0.51
80°	3.89	0.54
90°	4.18	0.57
100°	3.95	0.54
110°	3.92	0.51

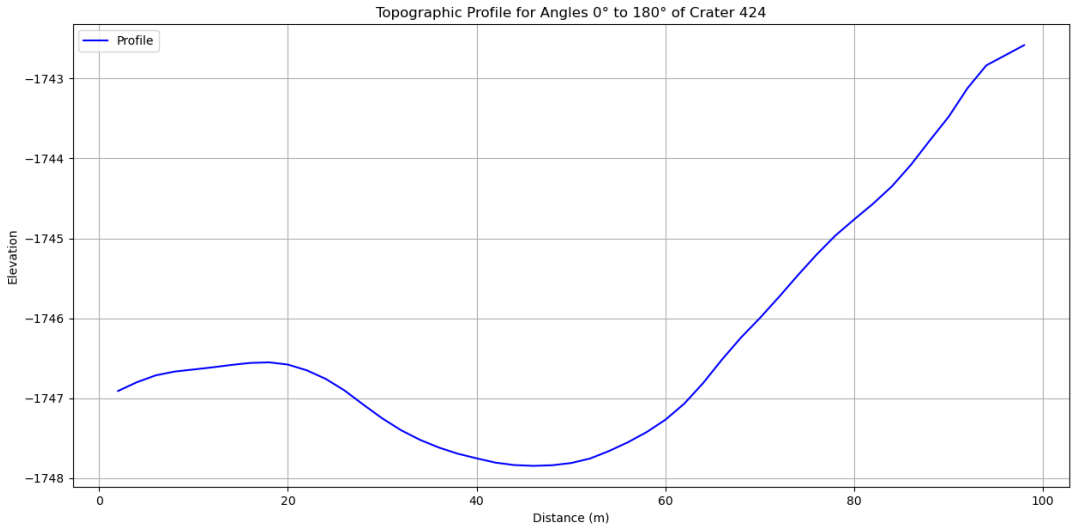
120°	4.08	0.48
130°	4.44	0.43
140°	4.57	0.43
150°	4.35	0.48
160°	4.41	0.51
170°	4.91	0.54
180°	5.37	0.57
190°	5.5	0.54
200°	5.5	0.52
210°	5.48	0.48
220°	5.45	0.43
230°	5.32	0.43
240°	4.71	0.48
250°	4.15	0.52
260°	3.89	0.54
270°	3.66	0.57
280°	3.35	0.54
290°	2.99	0.52
300°	2.86	0.48
310°	2.86	0.43
320°	2.75	0.44
330°	2.58	0.48
340°	2.55	0.51
350°	2.61	0.54

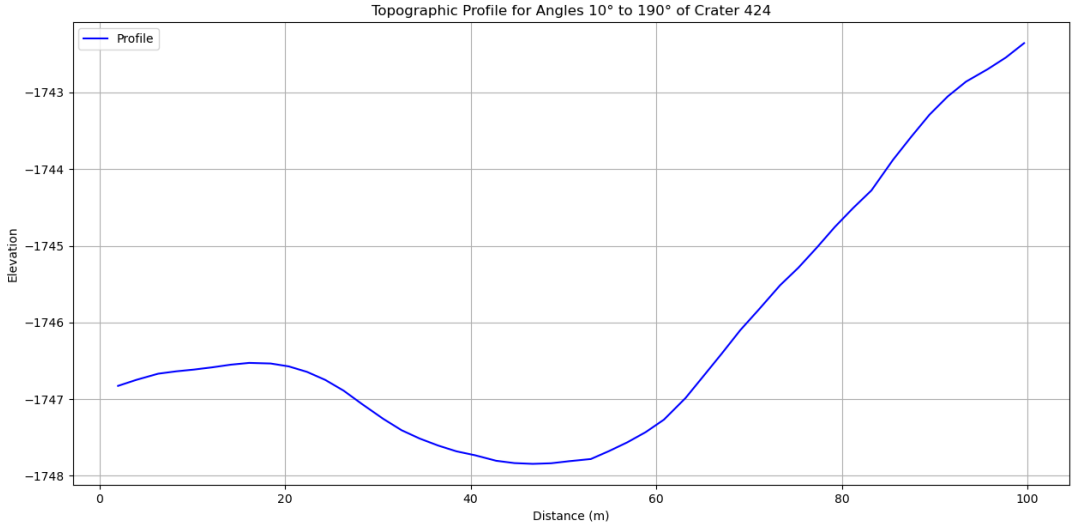
Topographic roughness index (TRI)

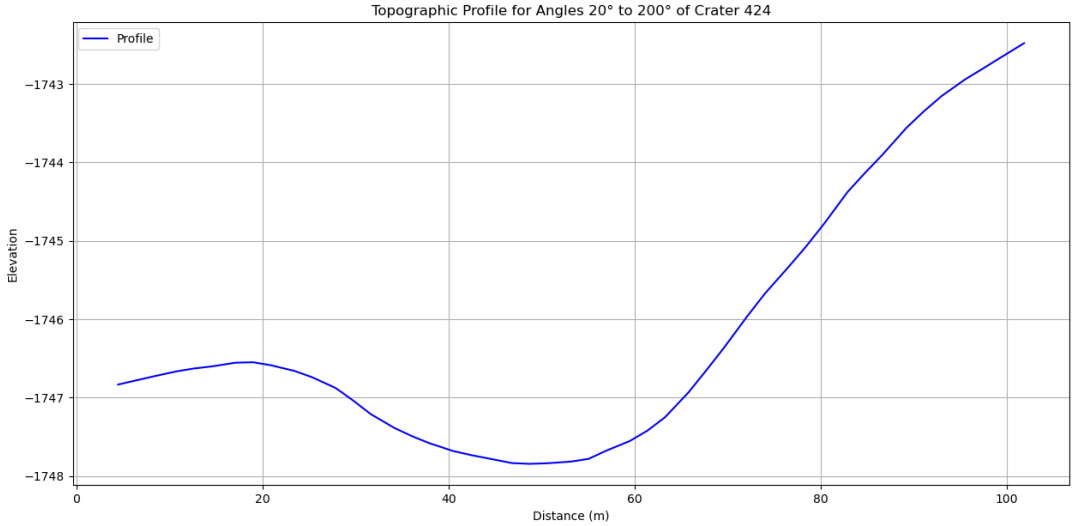
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

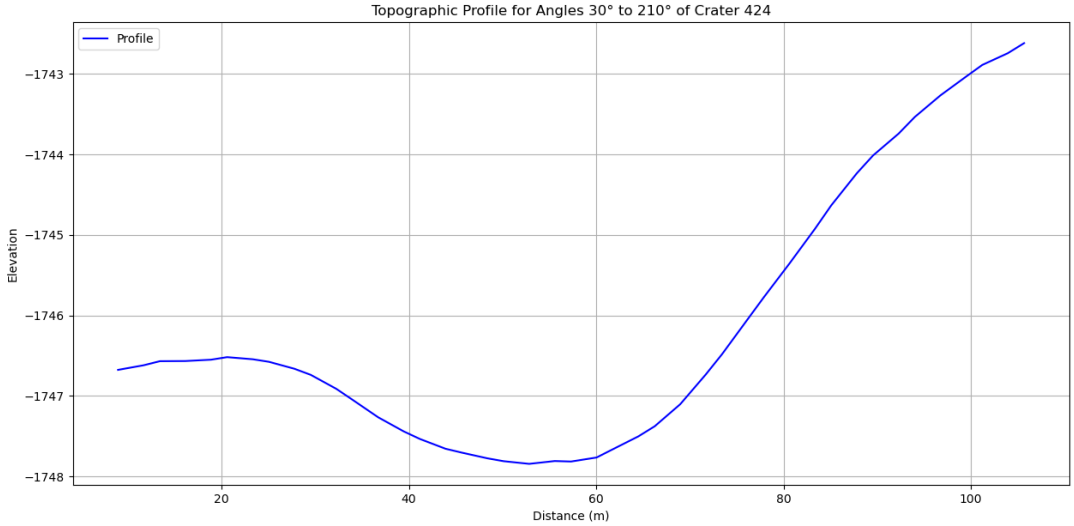


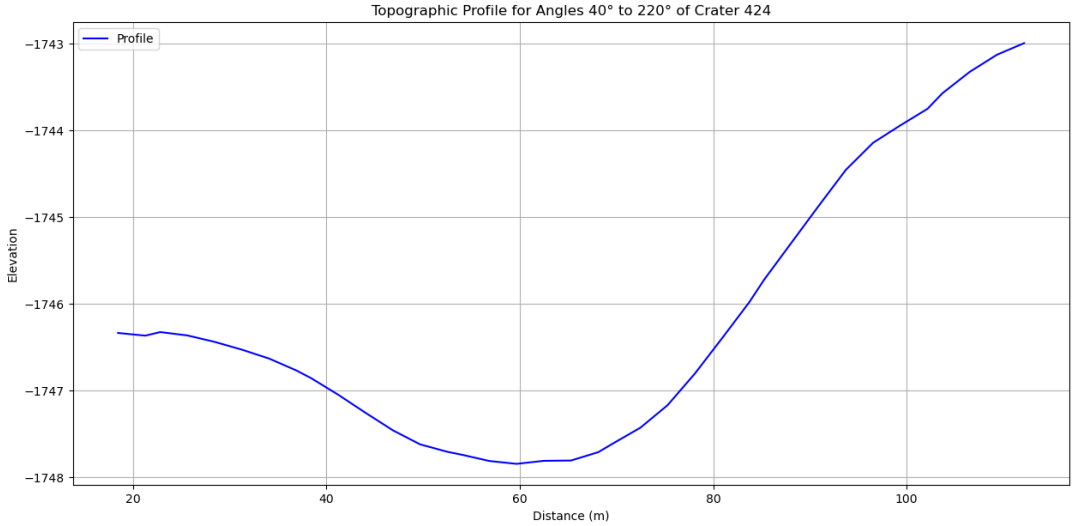
Topographic profiles

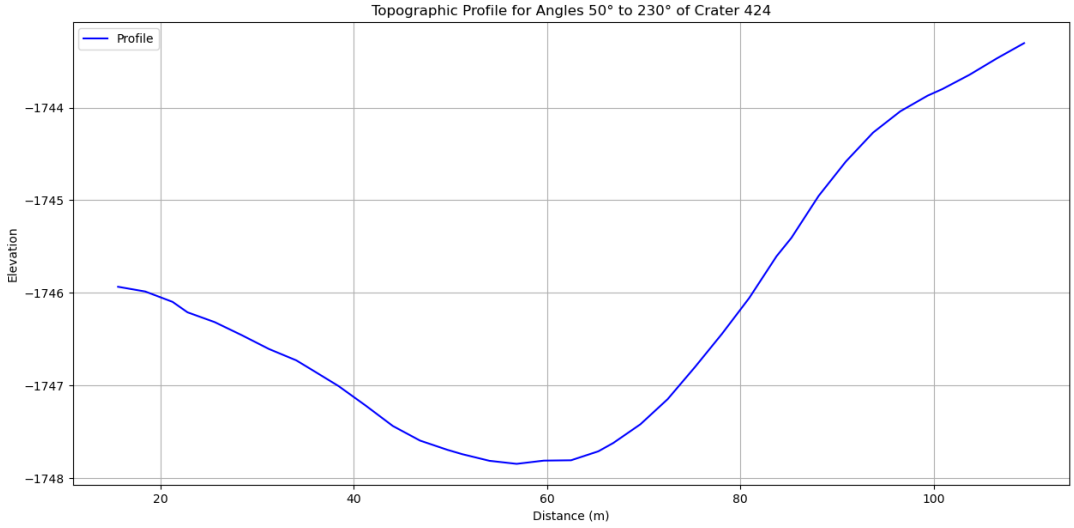


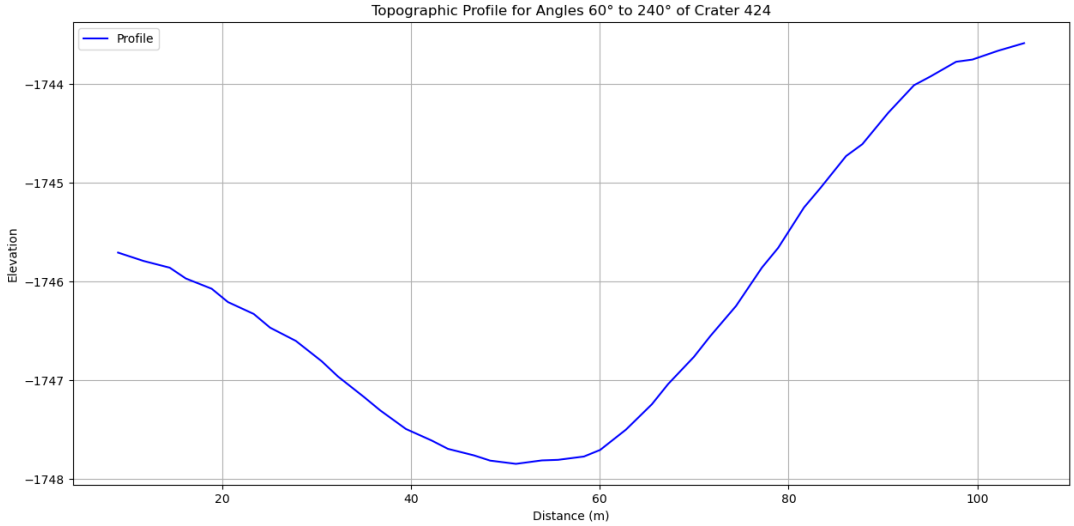

Topographic Profile for Angles 10° to 190° of Crater 424
Profile
Elevation
−1743
−1744
−1745
−1746
−1747
−1748
0
20
40
60
80
100
Distance (m)

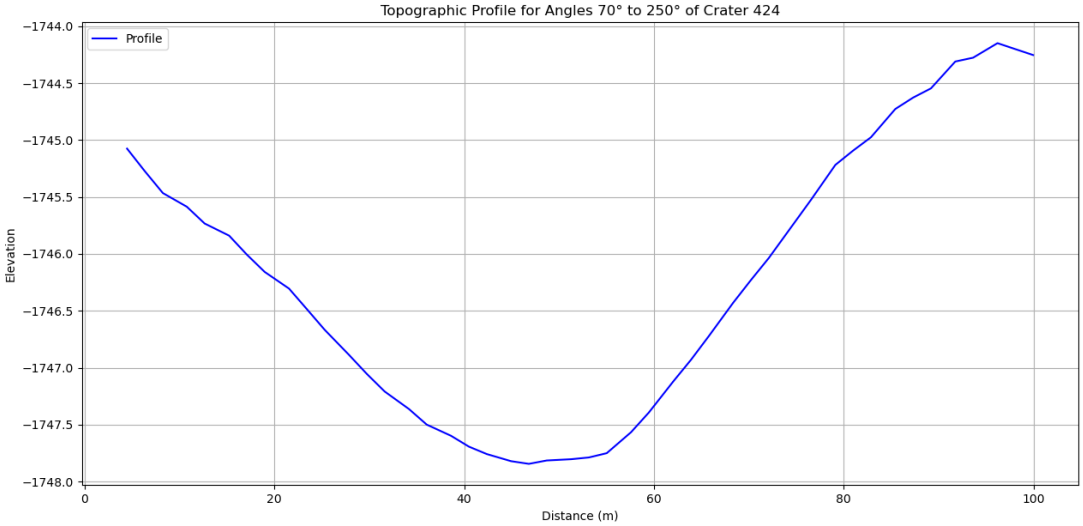

Topographic Profile for Angles 20° to 200° of Crater 424
Profile
Elevation
−1743
−1744
−1745
−1746
−1747
−1748
0
20
40
60
80
100
Distance (m)

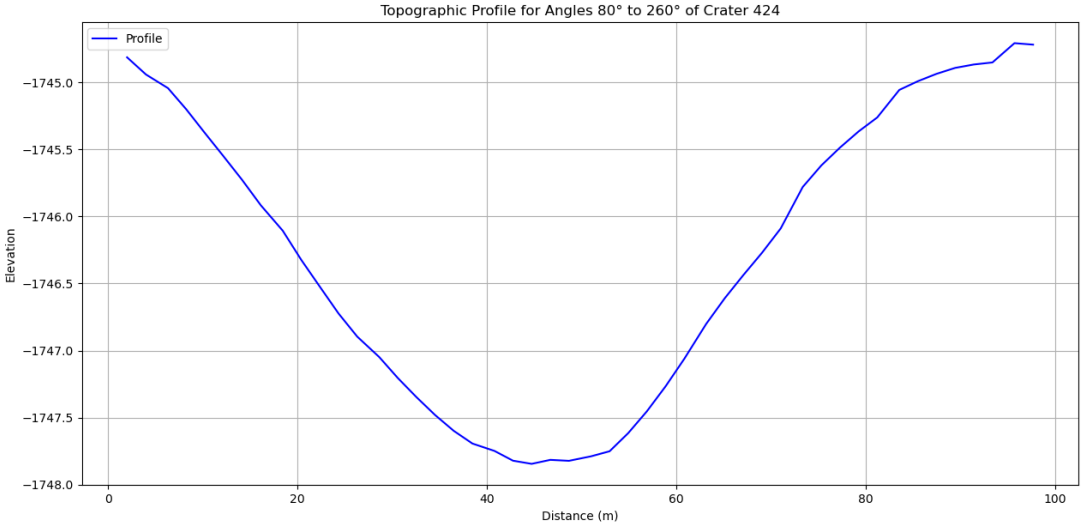

Topographic Profile for Angles 30° to 210° of Crater 424
Profile
Elevation
−1743
−1744
−1745
−1746
−1747
−1748
20
40
60
80
100
Distance (m)

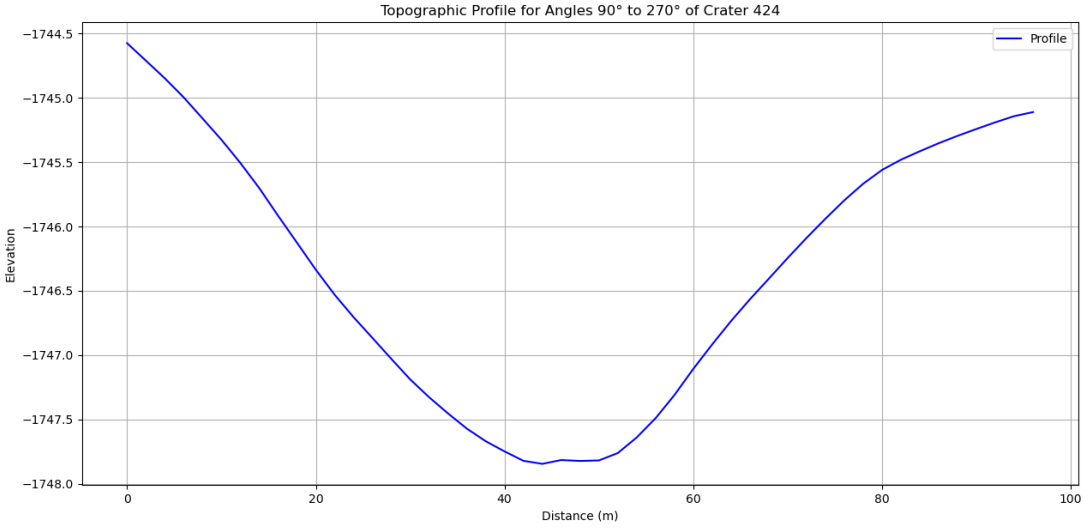

Topographic Profile for Angles 40° to 220° of Crater 424
Profile
Elevation
−1743
−1744
−1745
−1746
−1747
−1748
20
40
60
80
100
Distance (m)

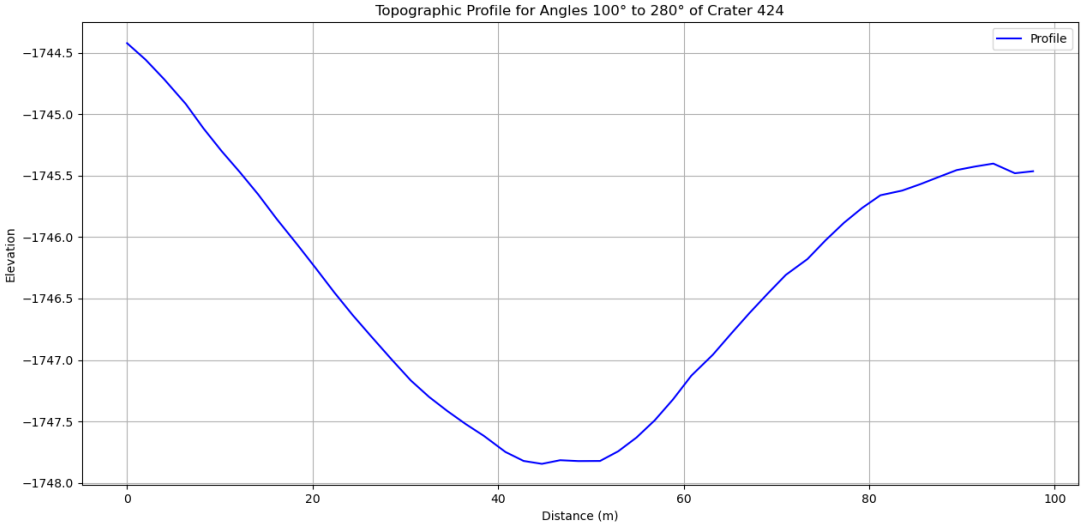

Topographic Profile for Angles 50° to 230° of Crater 424
Profile
Elevation
−1744
−1745
−1746
−1747
−1748
20
40
60
80
100
Distance (m)

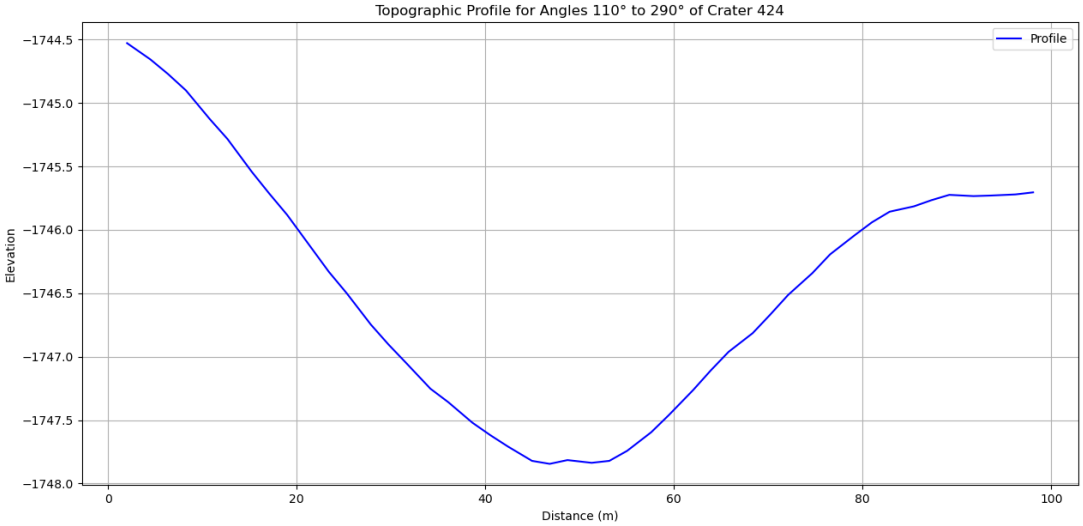

Topographic Profile for Angles 60° to 240° of Crater 424
Profile
Elevation
−1744
−1745
−1746
−1747
−1748
20
40
60
80
100
Distance (m)

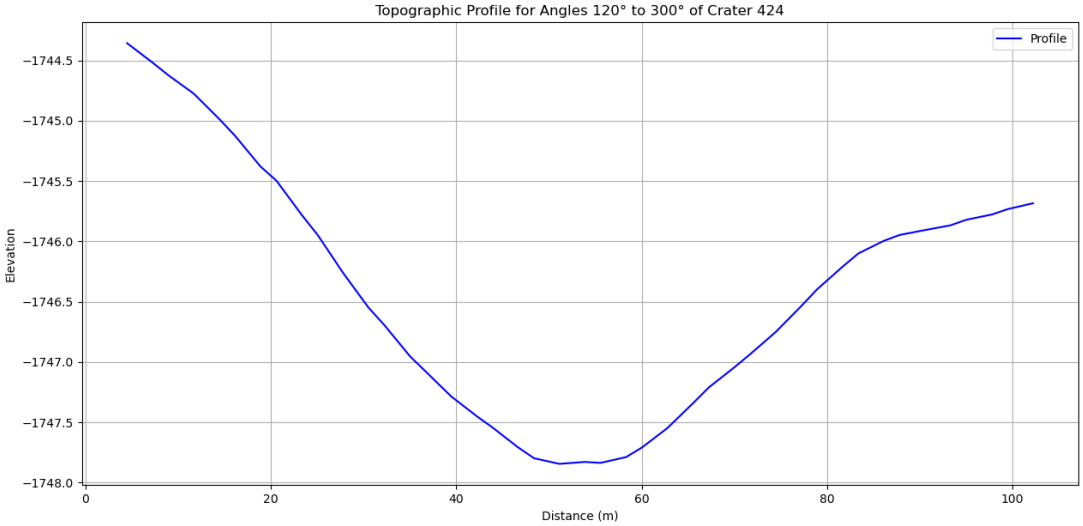

Topographic Profile for Angles 70° to 250° of Crater 424
Profile
Elevation
Distance (m)
−1744.0
−1744.5
−1745.0
−1745.5
−1746.0
−1746.5
−1747.0
−1747.5
−1748.0
0
20
40
60
80
100

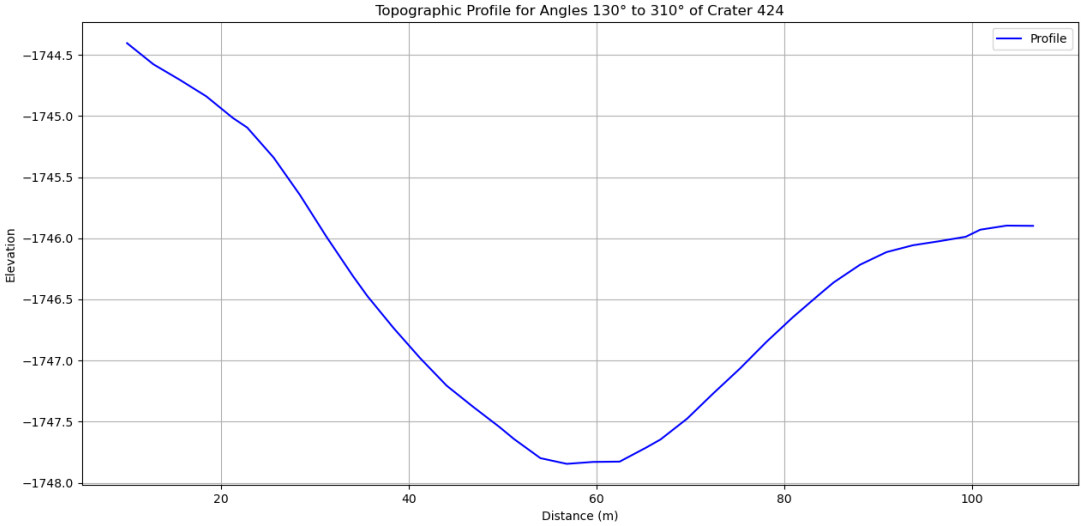

Topographic Profile for Angles 80° to 260° of Crater 424
Profile
Elevation
Distance (m)
−1745.0
−1745.5
−1746.0
−1746.5
−1747.0
−1747.5
−1748.0
0
20
40
60
80
100

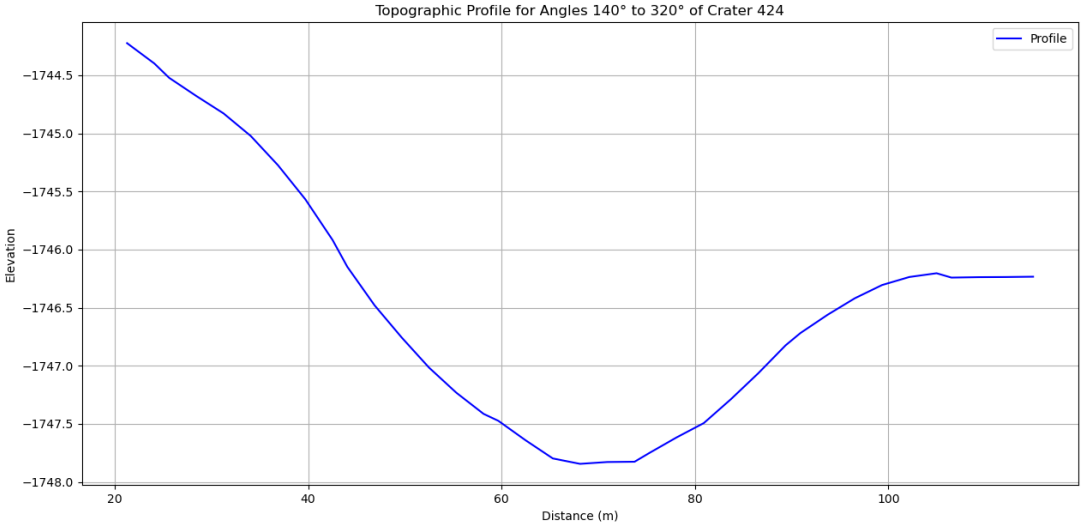

Topographic Profile for Angles 90° to 270° of Crater 424
Profile
Elevation
Distance (m)
−1744.5
−1745.0
−1745.5
−1746.0
−1746.5
−1747.0
−1747.5
−1748.0
0
20
40
60
80
100

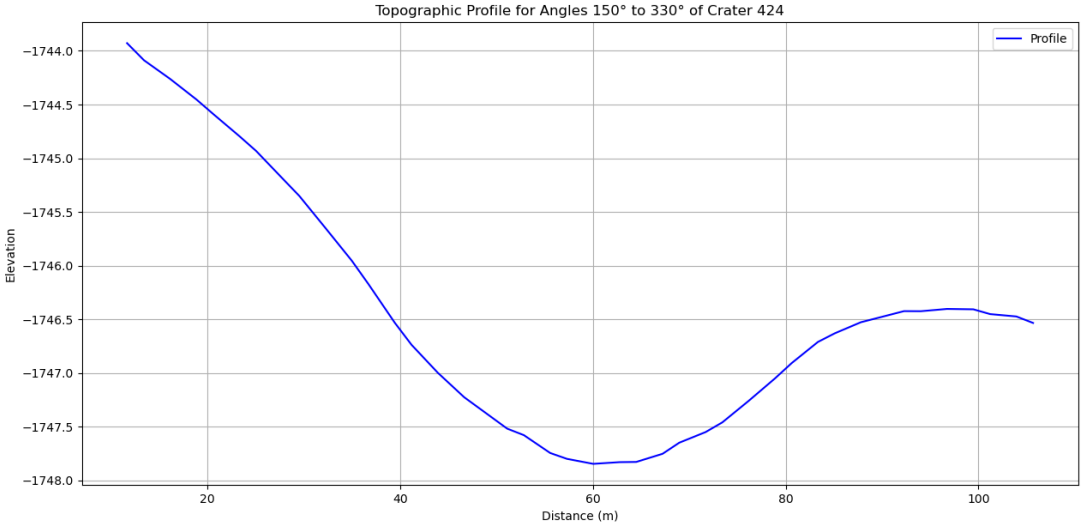

Topographic Profile for Angles 100° to 280° of Crater 424
Profile
Elevation
Distance (m)
−1744.5
−1745.0
−1745.5
−1746.0
−1746.5
−1747.0
−1747.5
−1748.0
0
20
40
60
80
100

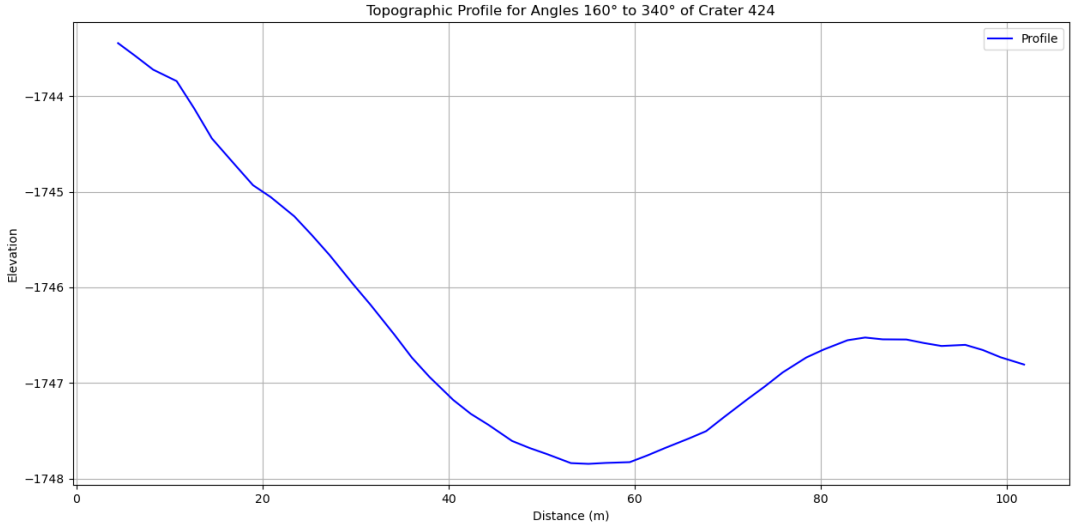

Topographic Profile for Angles 110° to 290° of Crater 424
Profile
Elevation
Distance (m)
−1744.5
−1745.0
−1745.5
−1746.0
−1746.5
−1747.0
−1747.5
−1748.0
0
20
40
60
80
100

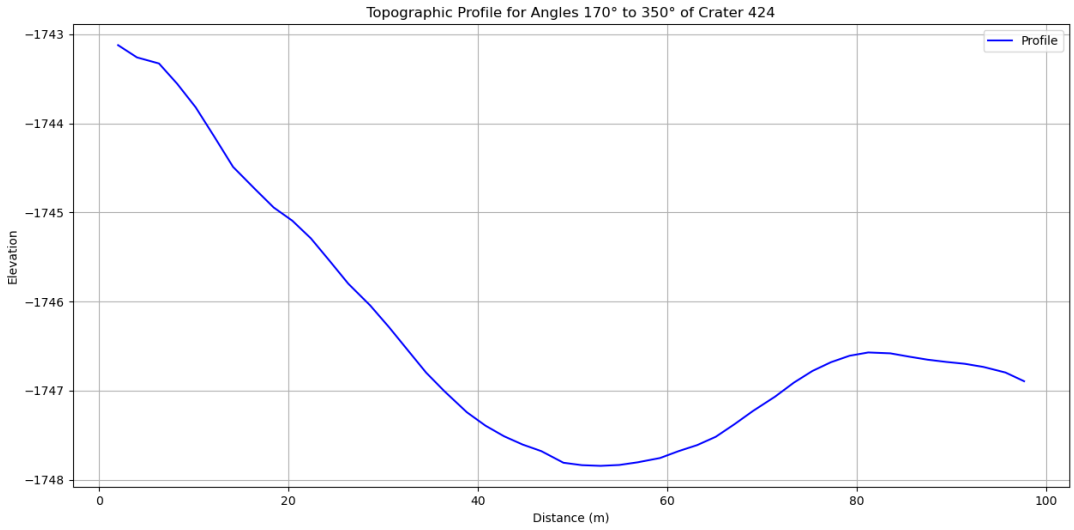

Topographic Profile for Angles 120° to 300° of Crater 424
Profile
Elevation
Distance (m)
−1744.5
−1745.0
−1745.5
−1746.0
−1746.5
−1747.0
−1747.5
−1748.0
0
20
40
60
80
100


Topographic Profile for Angles 130° to 310° of Crater 424
Profile
Elevation
−1744.5
−1745.0
−1745.5
−1746.0
−1746.5
−1747.0
−1747.5
−1748.0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 424
Profile
Elevation
−1744.5
−1745.0
−1745.5
−1746.0
−1746.5
−1747.0
−1747.5
−1748.0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 424
Profile
Elevation
−1744.0
−1744.5
−1745.0
−1745.5
−1746.0
−1746.5
−1747.0
−1747.5
−1748.0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 424
Profile
Elevation
−1744
−1745
−1746
−1747
−1748
0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 424
Profile
Elevation
−1743
−1744
−1745
−1746
−1747
−1748
0
20
40
60
80
100
Distance (m)