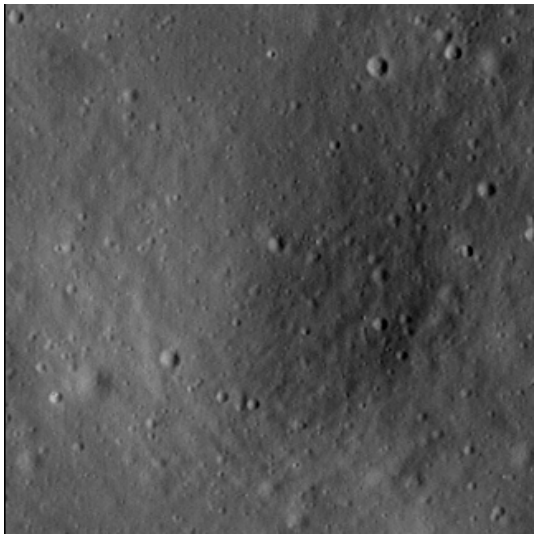
Crater report 421 of RG2

General information



ID : 421

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 186m ± 5.0m

Mean depht : 7.2m ± 0.7m

d/D ratio : 0.039 ± 0.004

Circularity index : 0.97

Slope : Between 1.78° et 8.72°

Mean value of TRI on the rim crest : 0.01

Geometric center coordinates : (3658820.3678063485, 234972.83235339297)

Coordinates of the crater's lowest point : (3658819.000001101, 234981.00000006938)

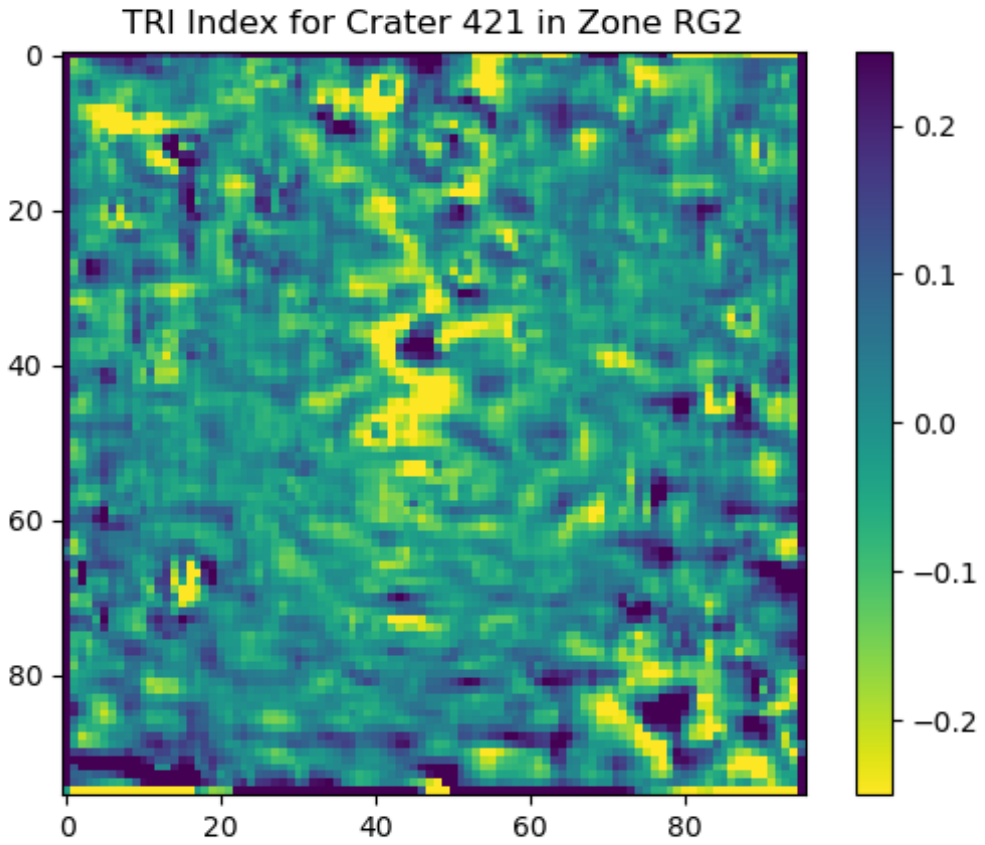
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	1.86	0.57
10°	1.85	0.54
20°	2.15	0.51
30°	2.64	0.48
40°	3.52	0.44
50°	4.05	0.43
60°	4.52	0.48
70°	4.93	0.51
80°	5.25	0.54
90°	6.13	0.57
100°	6.21	0.54
110°	6.5	0.51

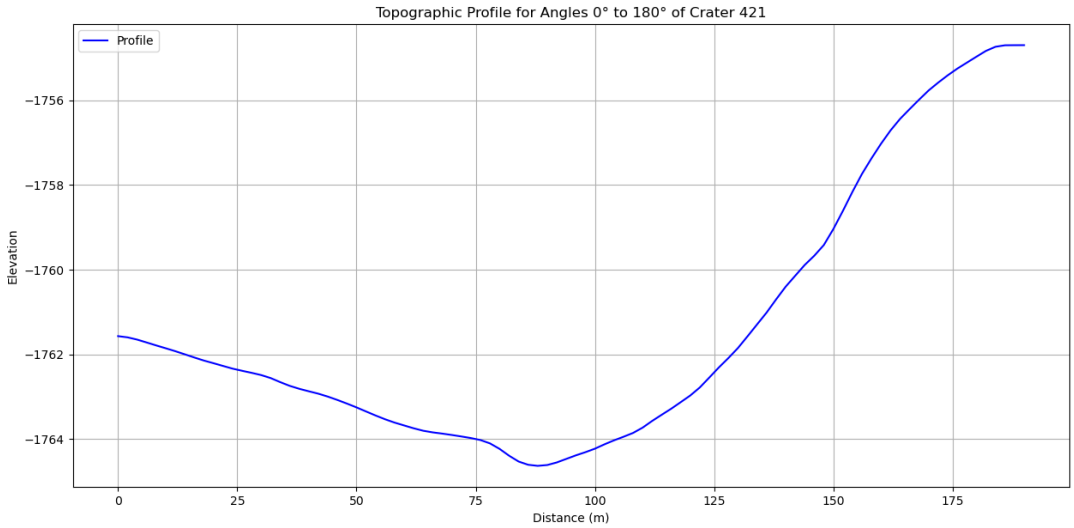
120°	6.8	0.48
130°	6.88	0.43
140°	6.7	0.44
150°	6.73	0.48
160°	7.12	0.52
170°	7.8	0.55
180°	8.72	0.57
190°	8.02	0.54
200°	7.64	0.52
210°	7.65	0.48
220°	7.54	0.43
230°	6.79	0.43
240°	6.87	0.48
250°	6.48	0.51
260°	6.14	0.54
270°	5.58	0.57
280°	4.45	0.55
290°	3.78	0.51
300°	3.68	0.48
310°	3.47	0.42
320°	3.23	0.44
330°	2.44	0.48
340°	1.85	0.52
350°	1.78	0.54

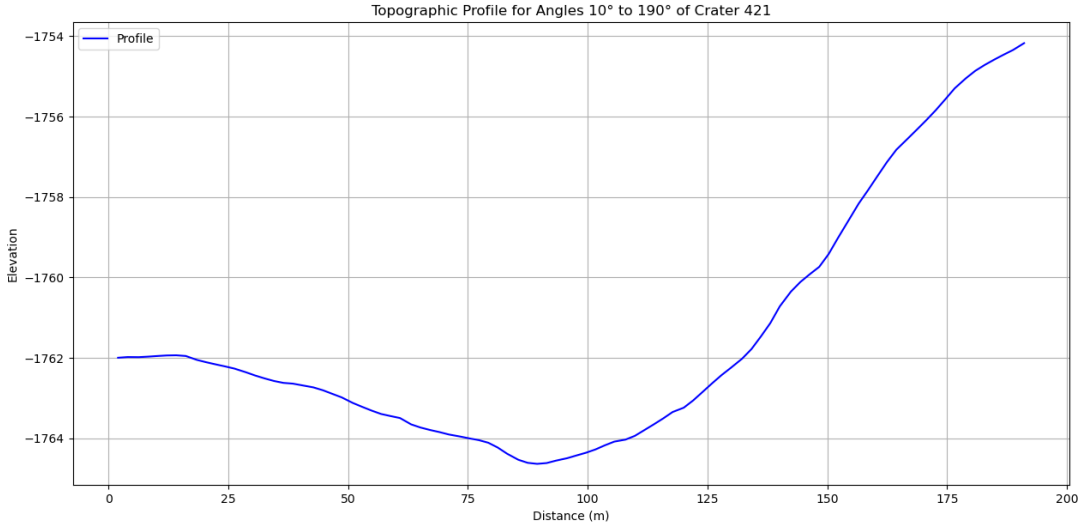
Topographic roughness index (TRI)

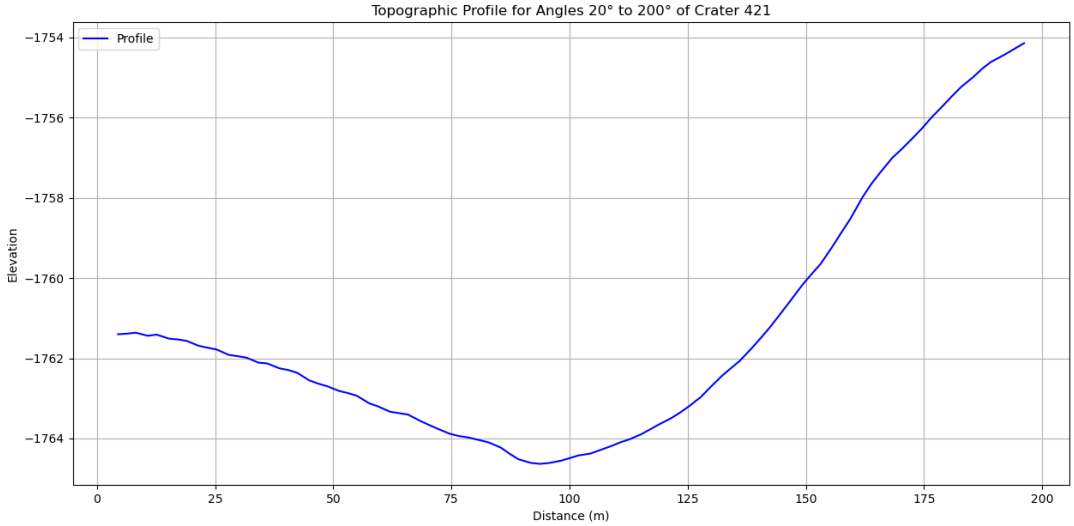
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

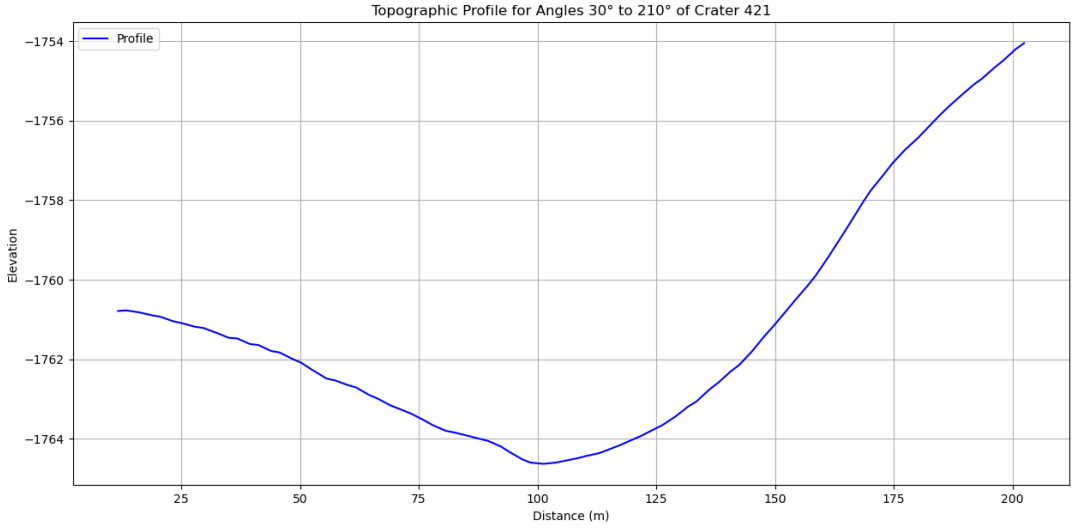


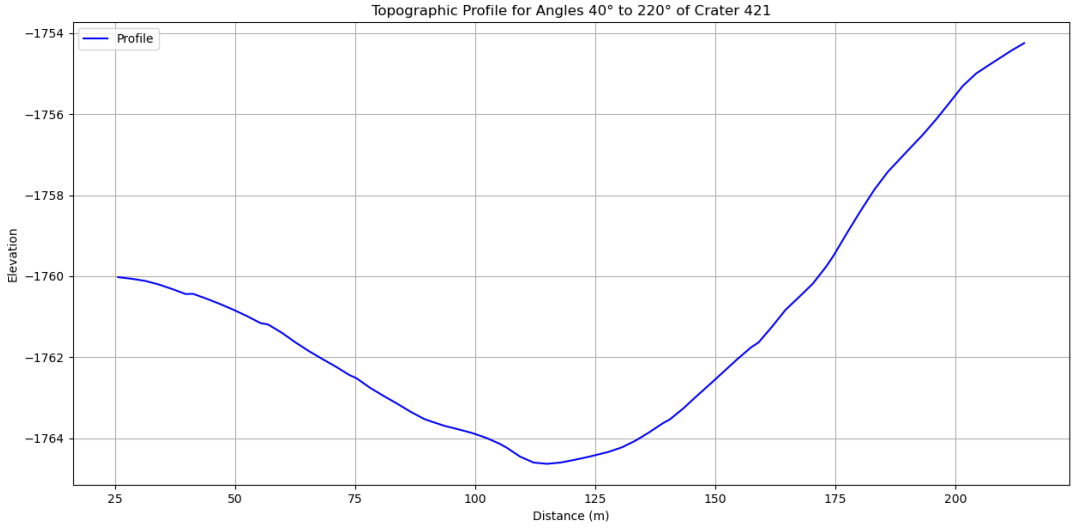
Topographic profiles

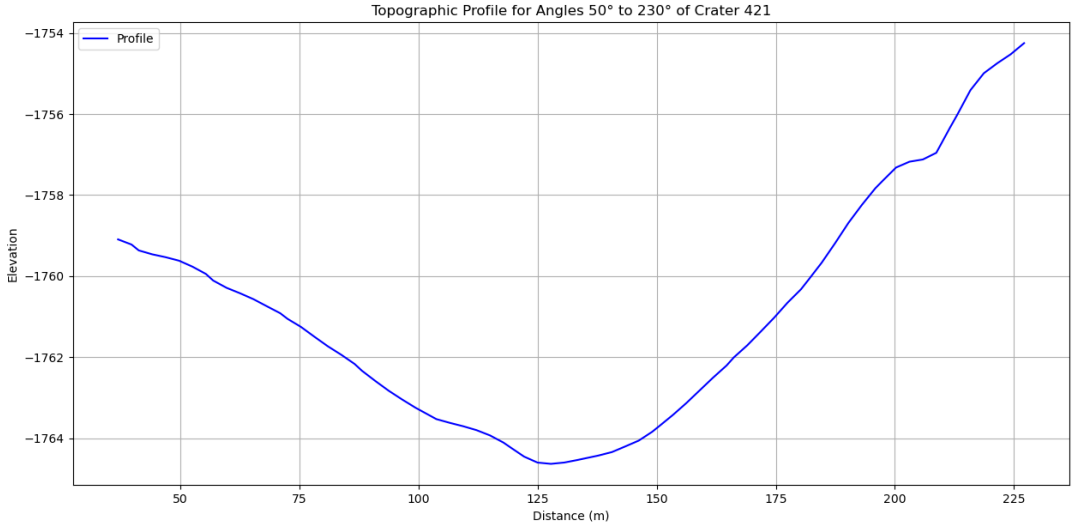


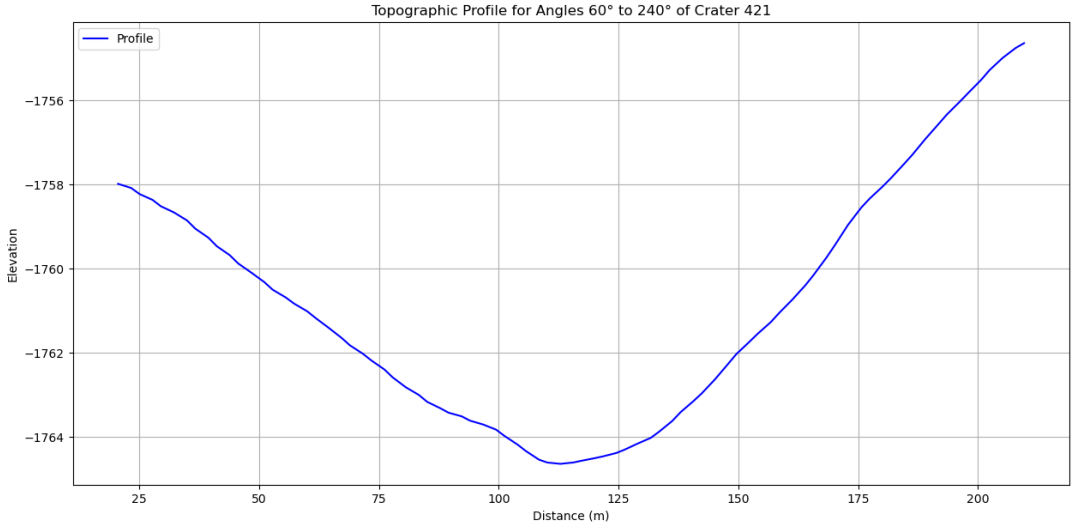

Topographic Profile for Angles 10° to 190° of Crater 421
Profile
Elevation
Distance (m)
−1754
−1756
−1758
−1760
−1762
−1764
0
25
50
75
100
125
150
175
200

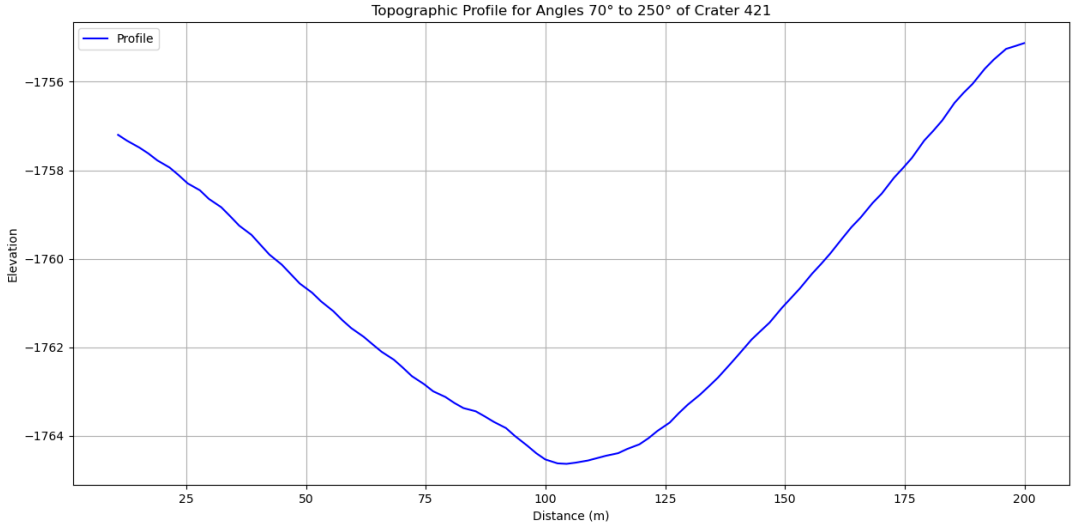

Topographic Profile for Angles 20° to 200° of Crater 421
Profile
Elevation
Distance (m)
−1754
−1756
−1758
−1760
−1762
−1764
0
25
50
75
100
125
150
175
200

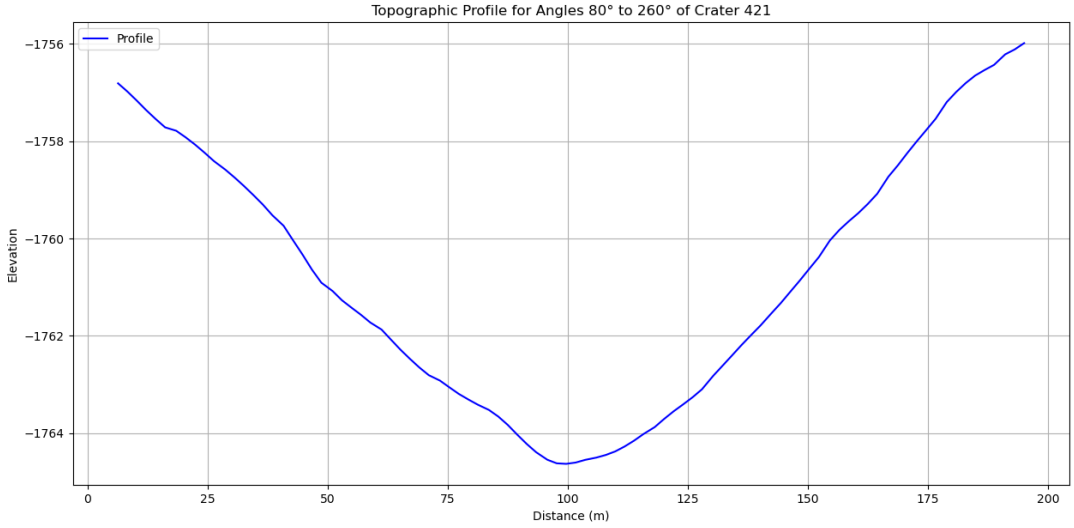

Topographic Profile for Angles 30° to 210° of Crater 421
Profile
Elevation
−1754
−1756
−1758
−1760
−1762
−1764
25
50
75
100
125
150
175
200
Distance (m)

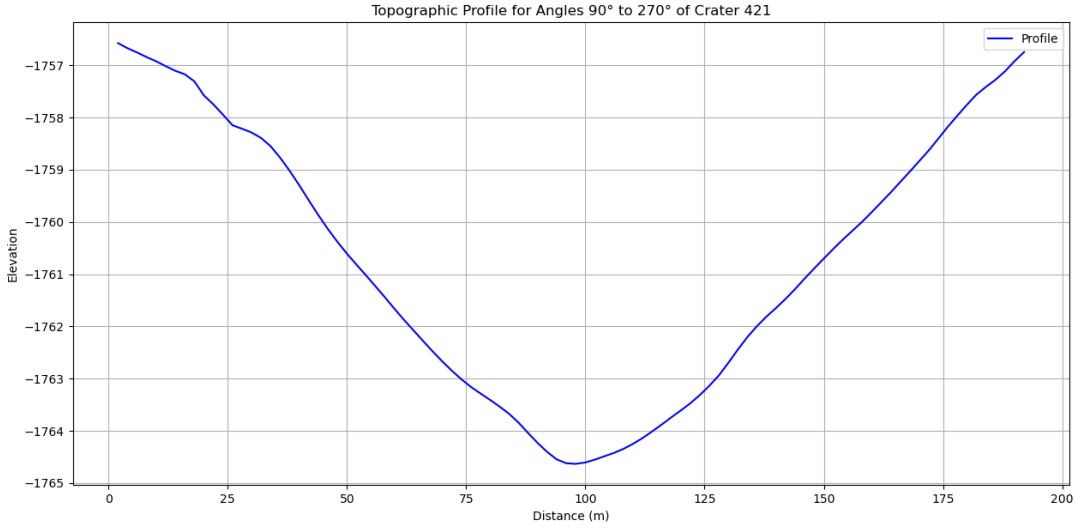

Topographic Profile for Angles 40° to 220° of Crater 421
Profile
Elevation
−1754
−1756
−1758
−1760
−1762
−1764
25
50
75
100
125
150
175
200
Distance (m)

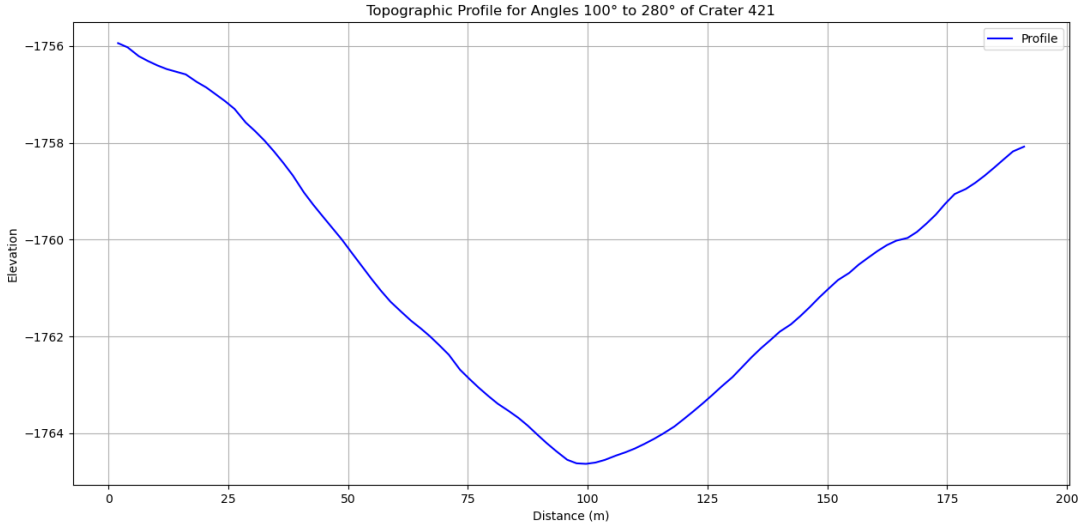

Topographic Profile for Angles 50° to 230° of Crater 421
Profile
Elevation
Distance (m)
−1754
−1756
−1758
−1760
−1762
−1764
50
75
100
125
150
175
200
225

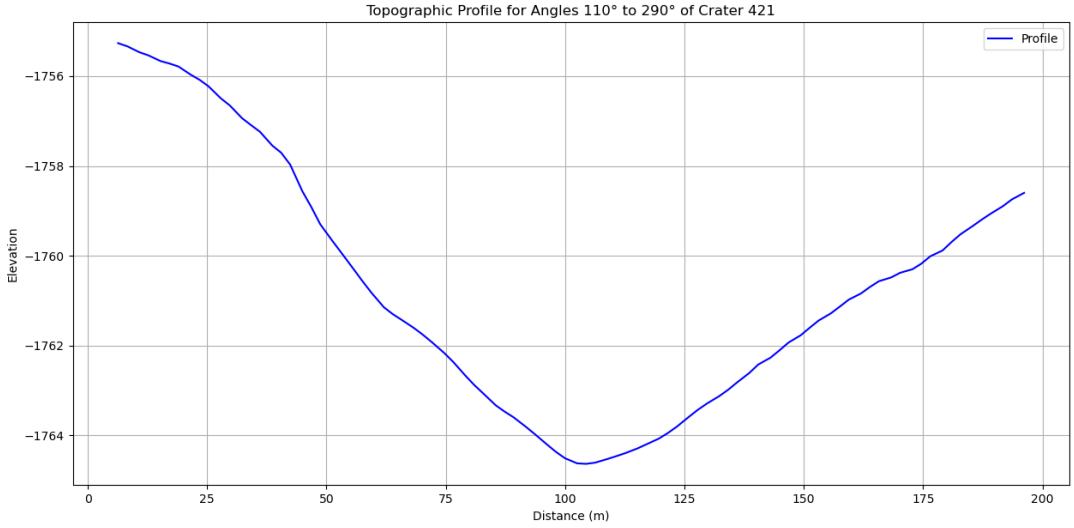

Topographic Profile for Angles 60° to 240° of Crater 421
Profile
Elevation
Distance (m)
−1756
−1758
−1760
−1762
−1764
25
50
75
100
125
150
175
200

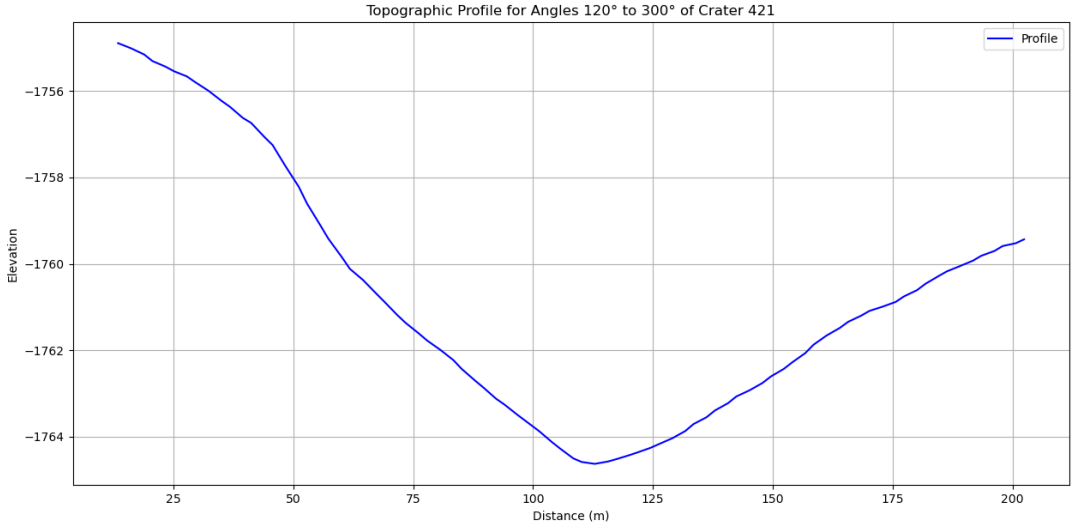

Topographic Profile for Angles 70° to 250° of Crater 421
Profile
Elevation
−1756
−1758
−1760
−1762
−1764
25
50
75
100
125
150
175
200
Distance (m)

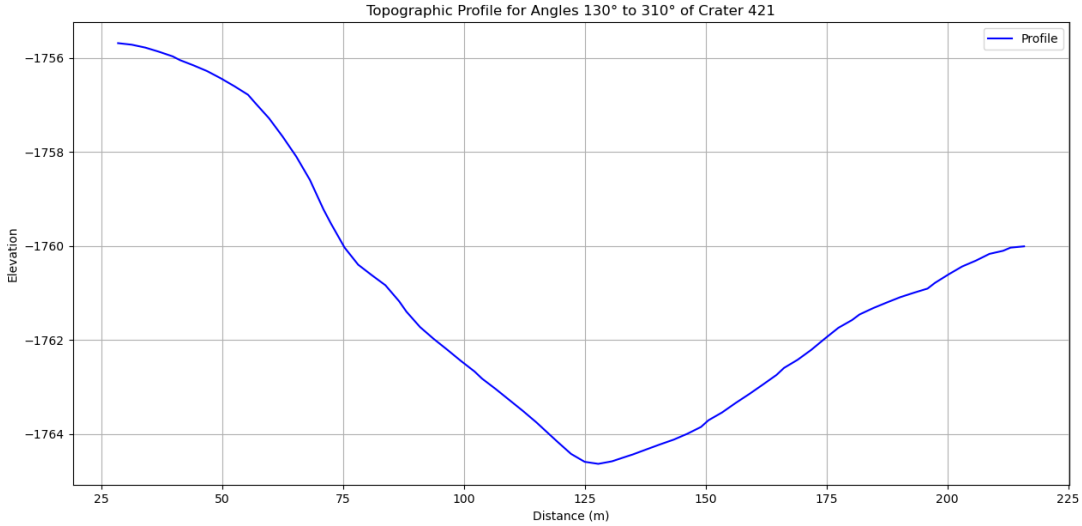

Topographic Profile for Angles 80° to 260° of Crater 421
Profile
Elevation
−1756
−1758
−1760
−1762
−1764
0
25
50
75
100
125
150
175
200
Distance (m)

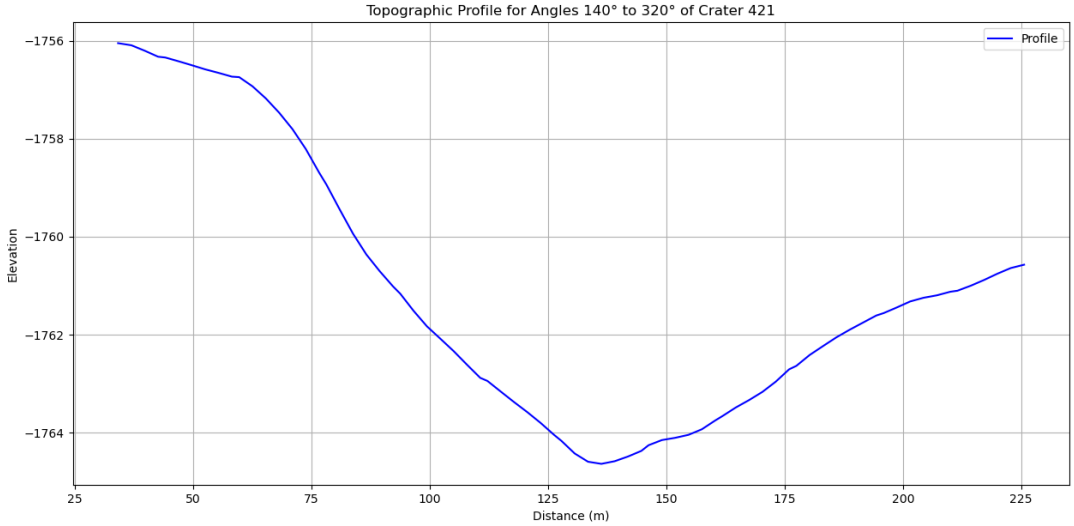

Topographic Profile for Angles 90° to 270° of Crater 421
Profile
Elevation
Distance (m)
−1757
−1758
−1759
−1760
−1761
−1762
−1763
−1764
−1765
0
25
50
75
100
125
150
175
200

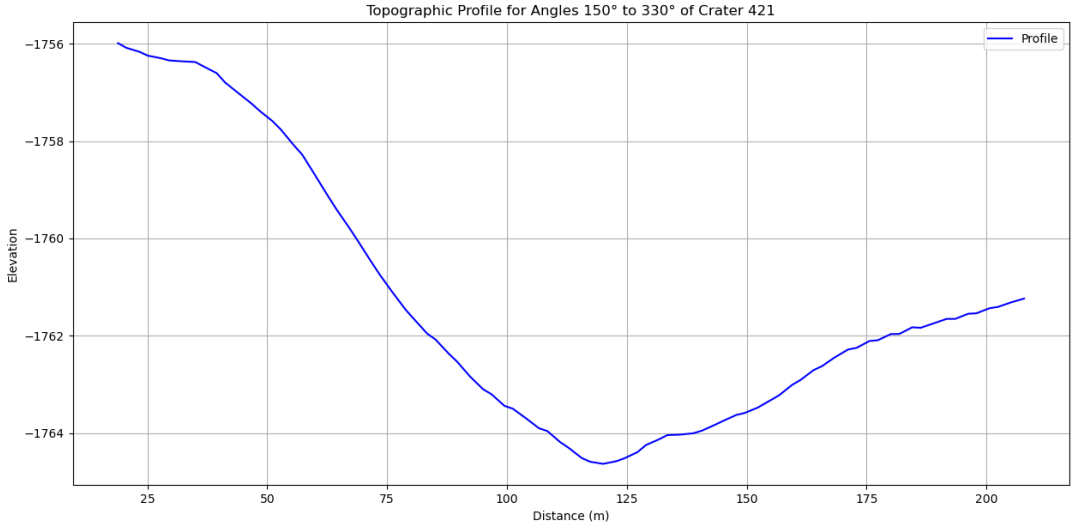

Topographic Profile for Angles 100° to 280° of Crater 421
Profile
Elevation
Distance (m)
−1756
−1758
−1760
−1762
−1764
0
25
50
75
100
125
150
175
200

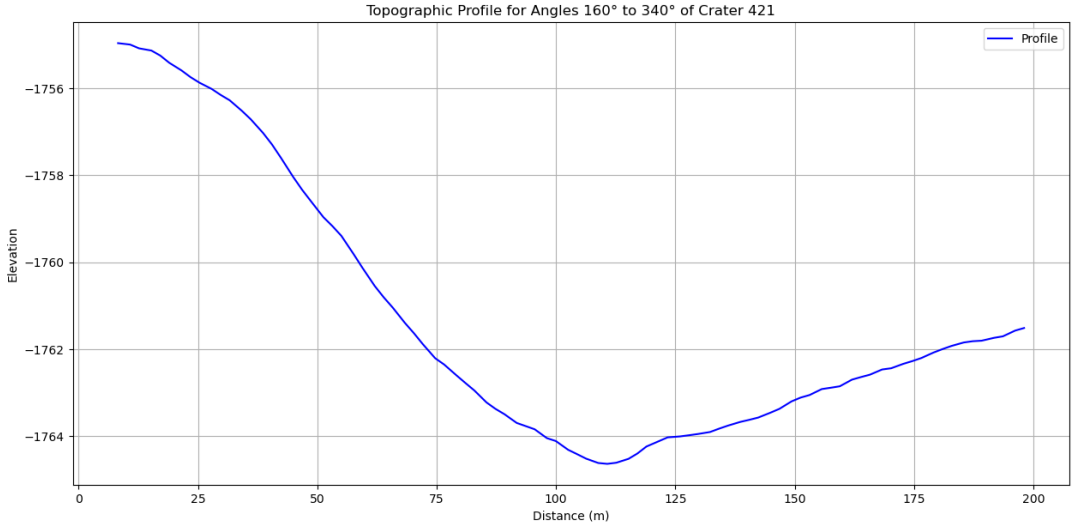

Topographic Profile for Angles 110° to 290° of Crater 421
Profile
Elevation
−1756
−1758
−1760
−1762
−1764
0
25
50
75
100
125
150
175
200
Distance (m)

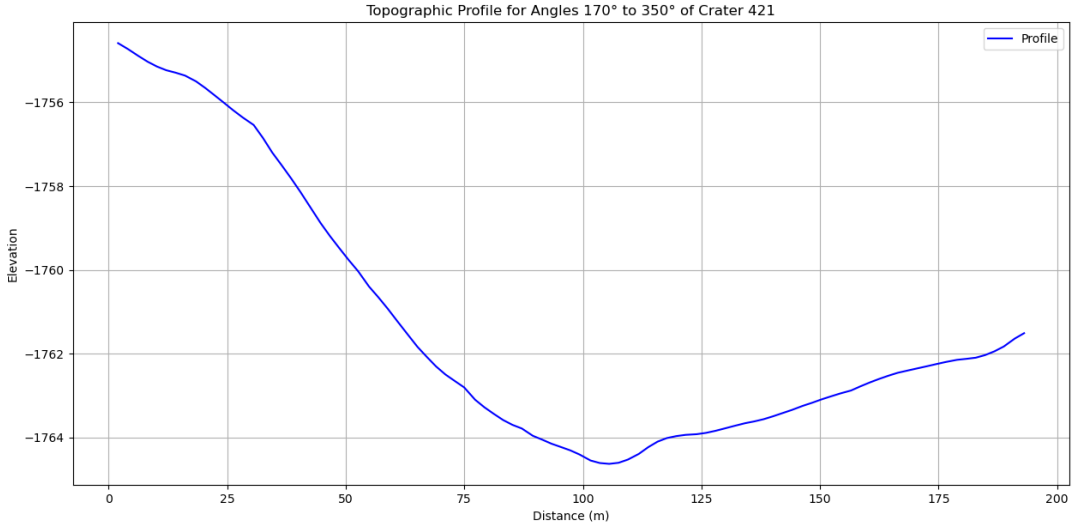

Topographic Profile for Angles 120° to 300° of Crater 421
Profile
Elevation
−1756
−1758
−1760
−1762
−1764
25
50
75
100
125
150
175
200
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 421
Profile
Elevation
−1756
−1758
−1760
−1762
−1764
25
50
75
100
125
150
175
200
225
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 421
Profile
Elevation
−1756
−1758
−1760
−1762
−1764
25
50
75
100
125
150
175
200
225
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 421
Profile
Elevation
−1756
−1758
−1760
−1762
−1764
25
50
75
100
125
150
175
200
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 421
Profile
Elevation
−1756
−1758
−1760
−1762
−1764
0
25
50
75
100
125
150
175
200
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 421
Profile
Elevation
−1756
−1758
−1760
−1762
−1764
0
25
50
75
100
125
150
175
200
Distance (m)