Crater report 3049 of RG2

General information

ID : 3049

Study area : RG2

Swirl : off-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 341m ± 20.0m

Mean depht : 21.9m ± 0.9m

d/D ratio : 0.064 ± 0.005

Circularity index : 0.91

Mean slope : 8.51°

Mean value of TRI on the rim crest : 0.31

Geometric center coordinates : (3655913.665770884, 212793.39122117165)

Coordinates of the crater's lowest point : (3655949.0000011, 212793.00000006272)

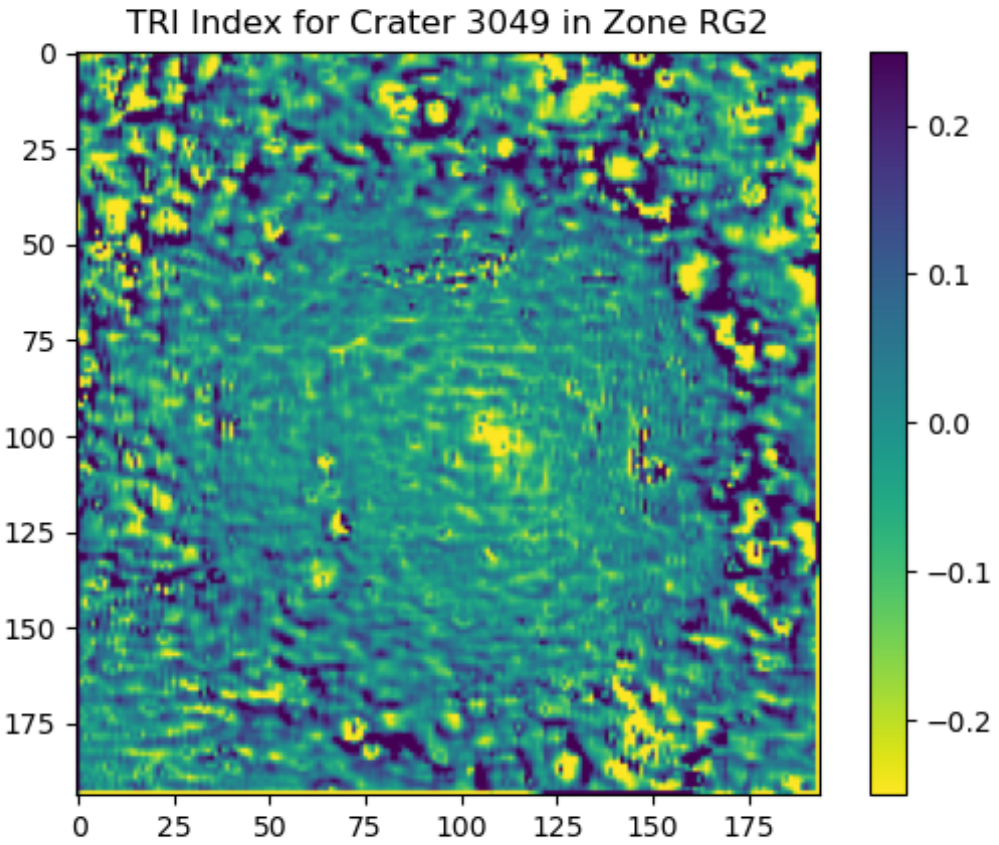
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	9.74	0.57
10°	9.06	0.54
20°	8.58	0.51
30°	8.75	0.48
40°	8.82	0.43
50°	8.8	0.43
60°	8.58	0.48
70°	8.59	0.51
80°	8.97	0.54
90°	9.64	0.57
100°	9.41	0.54
110°	8.91	0.51

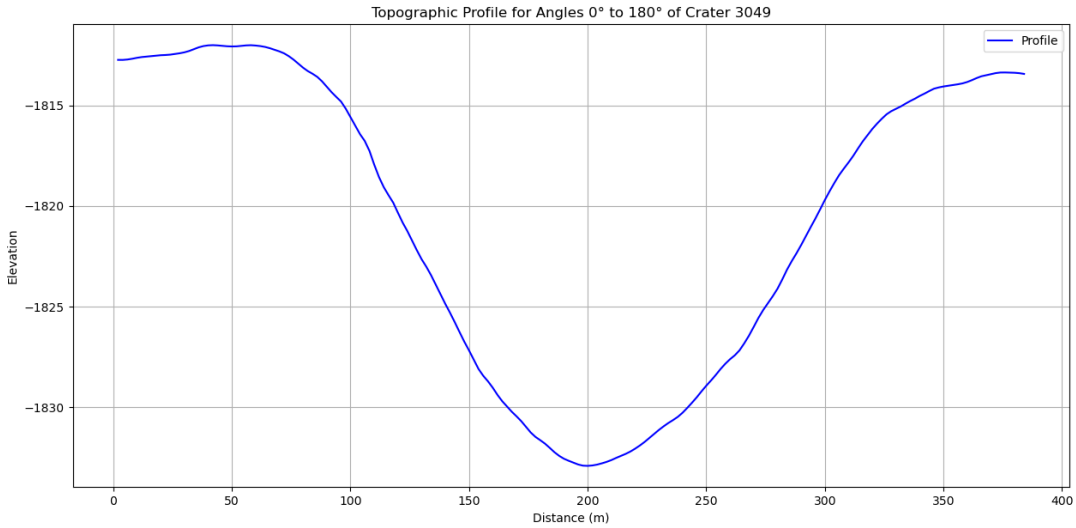
120°	8.29	0.48
130°	7.65	0.43
140°	6.82	0.43
150°	6.11	0.48
160°	6.19	0.51
170°	7.0	0.55
180°	7.85	0.57
190°	7.86	0.55
200°	7.96	0.52
210°	8.41	0.48
220°	9.07	0.43
230°	8.89	0.43
240°	9.07	0.48
250°	8.87	0.51
260°	8.73	0.54
270°	8.72	0.57
280°	8.08	0.54
290°	7.84	0.51
300°	8.11	0.48
310°	8.9	0.43
320°	9.32	0.43
330°	9.42	0.48
340°	9.62	0.51
350°	9.61	0.54

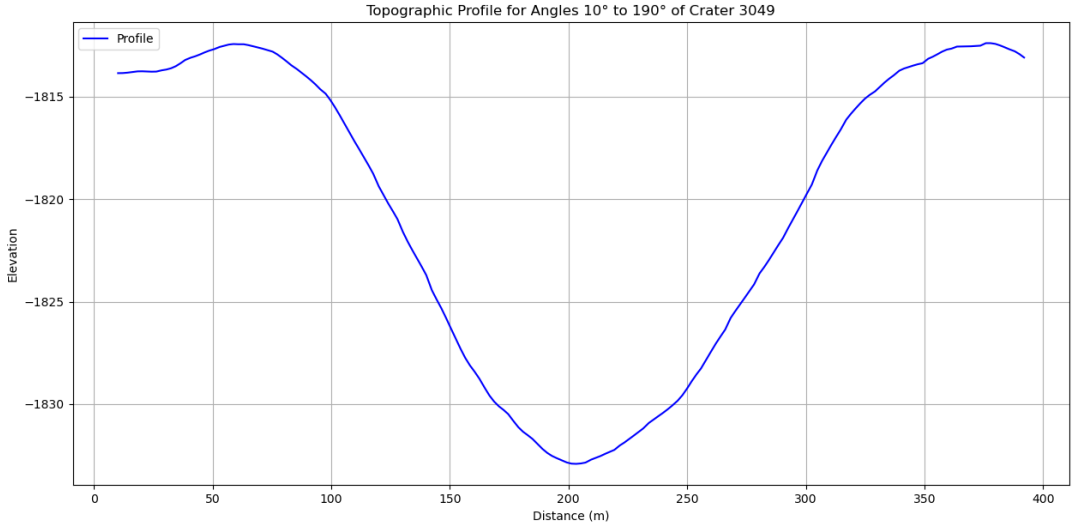
Topographic roughness index (TRI)

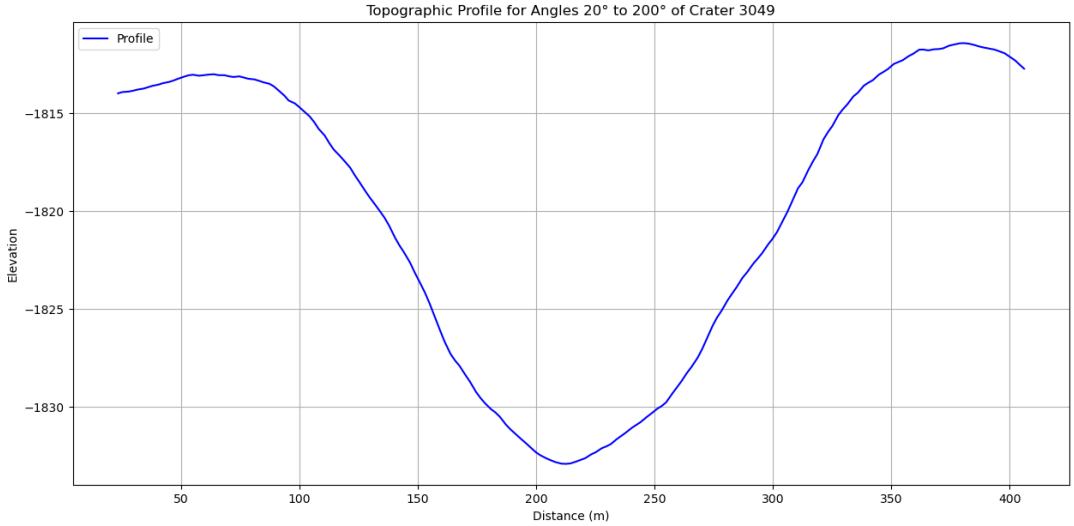
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

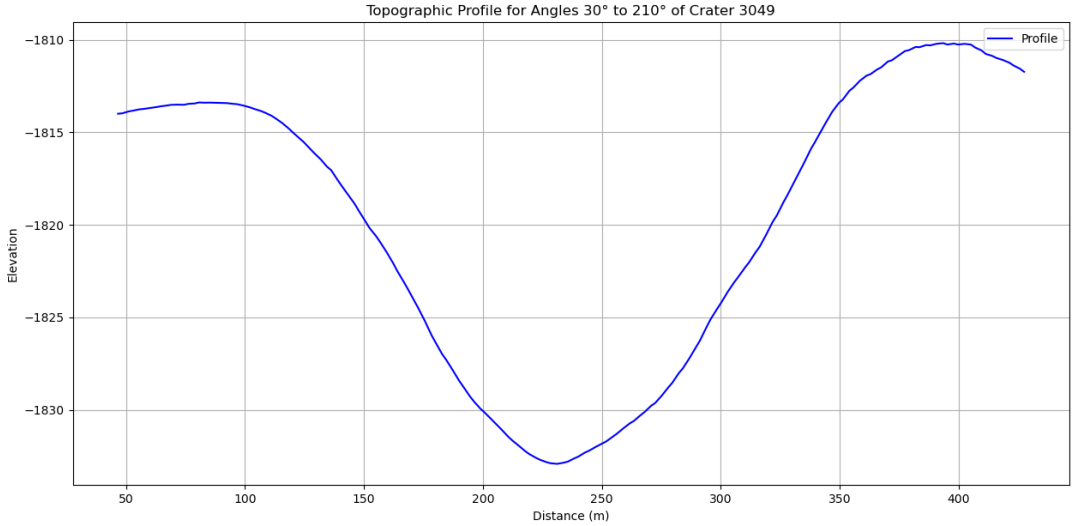


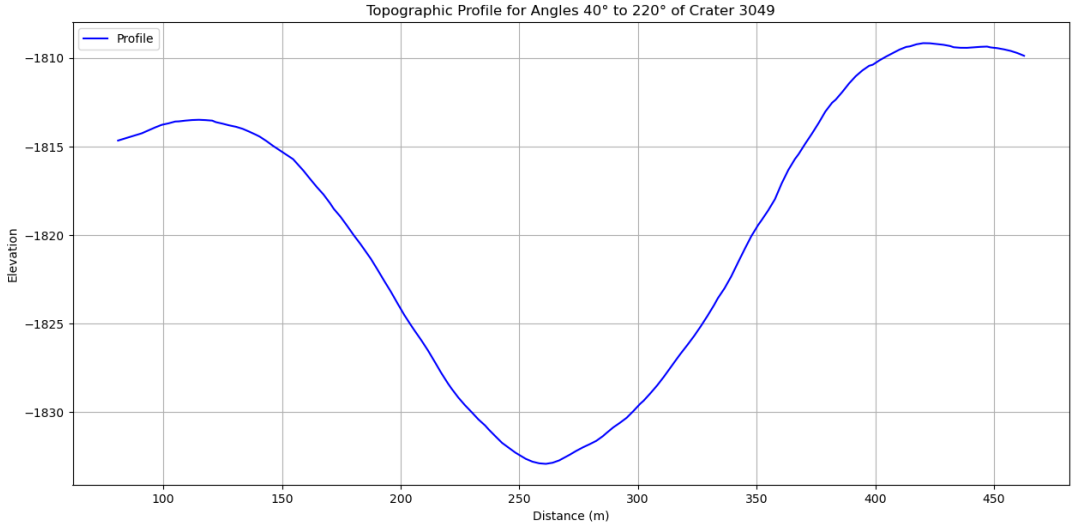
Topographic profiles

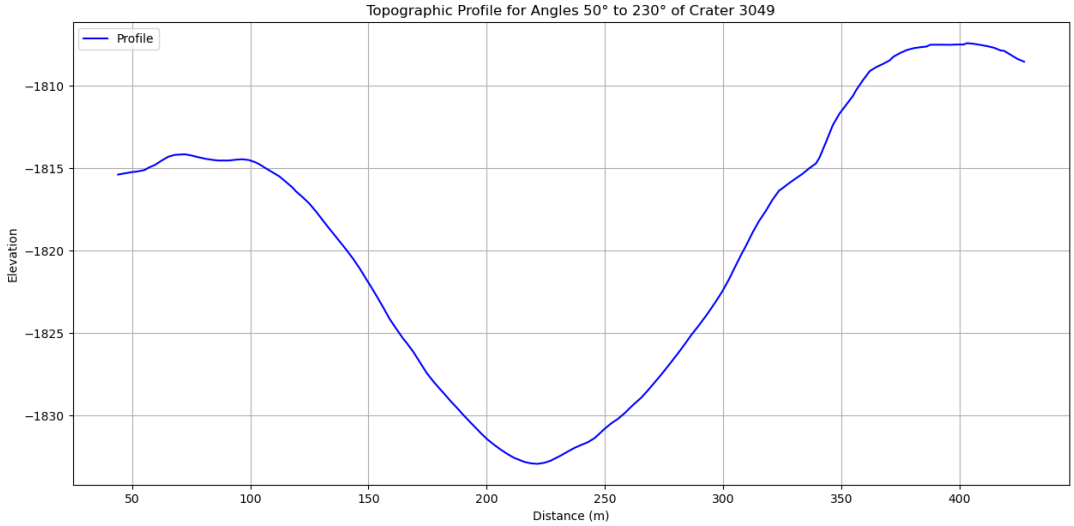


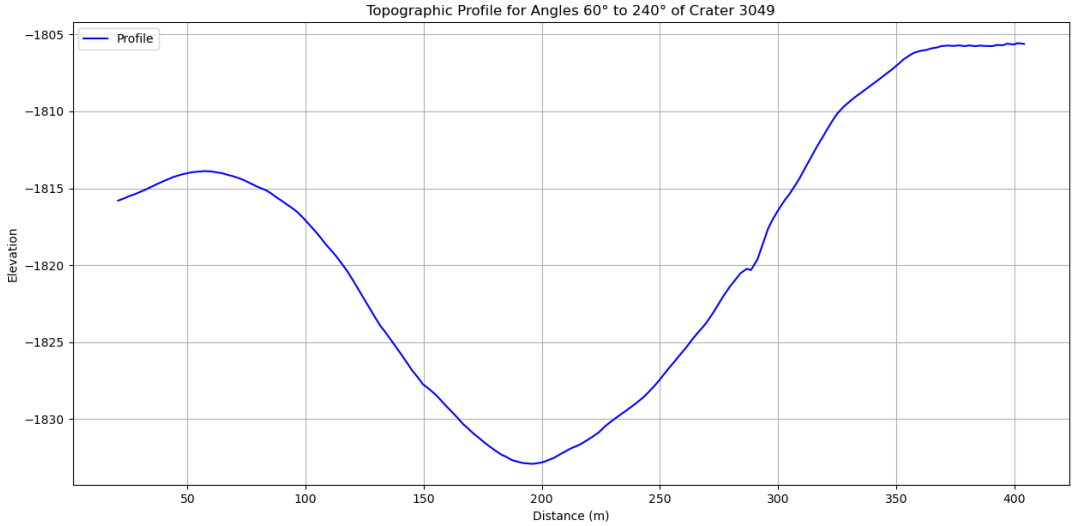

Topographic Profile for Angles 10° to 190° of Crater 3049
Profile
Elevation
−1815
−1820
−1825
−1830
0
50
100
150
200
250
300
350
400
Distance (m)

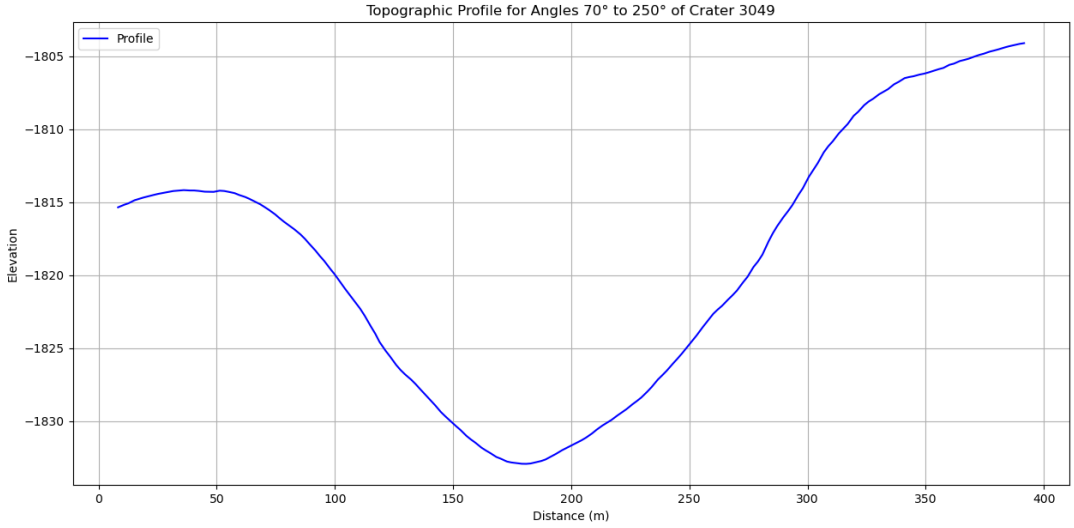

Topographic Profile for Angles 20° to 200° of Crater 3049
Profile
Elevation
−1815
−1820
−1825
−1830
50
100
150
200
250
300
350
400
Distance (m)

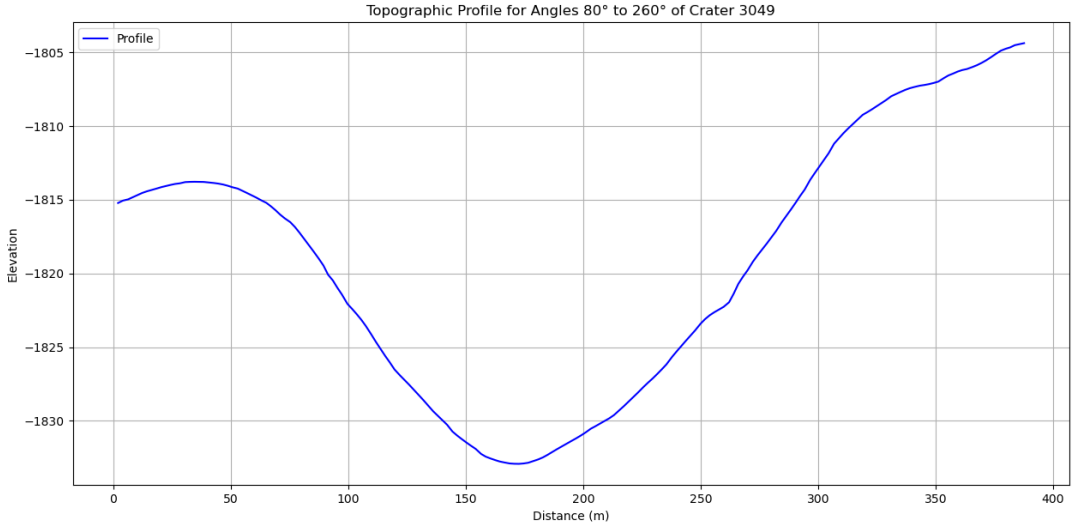

Topographic Profile for Angles 30° to 210° of Crater 3049
Profile
Elevation
Distance (m)
−1810
−1815
−1820
−1825
−1830
50
100
150
200
250
300
350
400

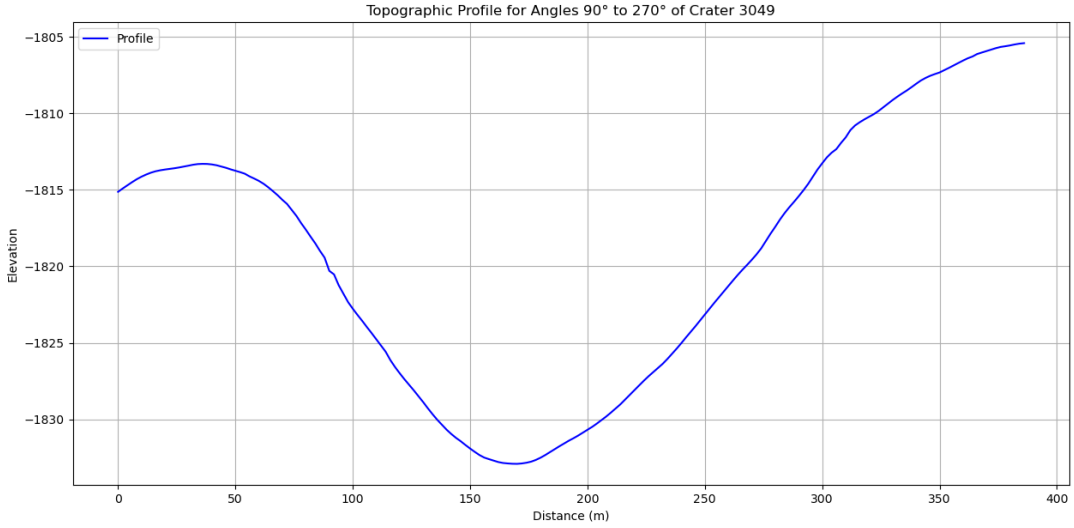

Topographic Profile for Angles 40° to 220° of Crater 3049
Profile
Elevation
Distance (m)
−1810
−1815
−1820
−1825
−1830
100
150
200
250
300
350
400
450

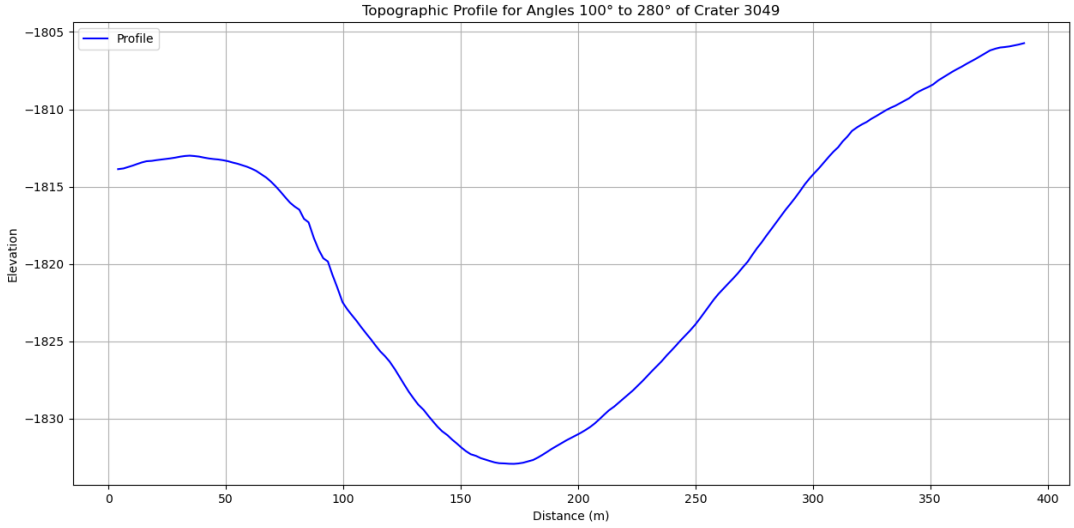

Topographic Profile for Angles 50° to 230° of Crater 3049
Profile
Elevation
−1810
−1815
−1820
−1825
−1830
50
100
150
200
250
300
350
400
Distance (m)

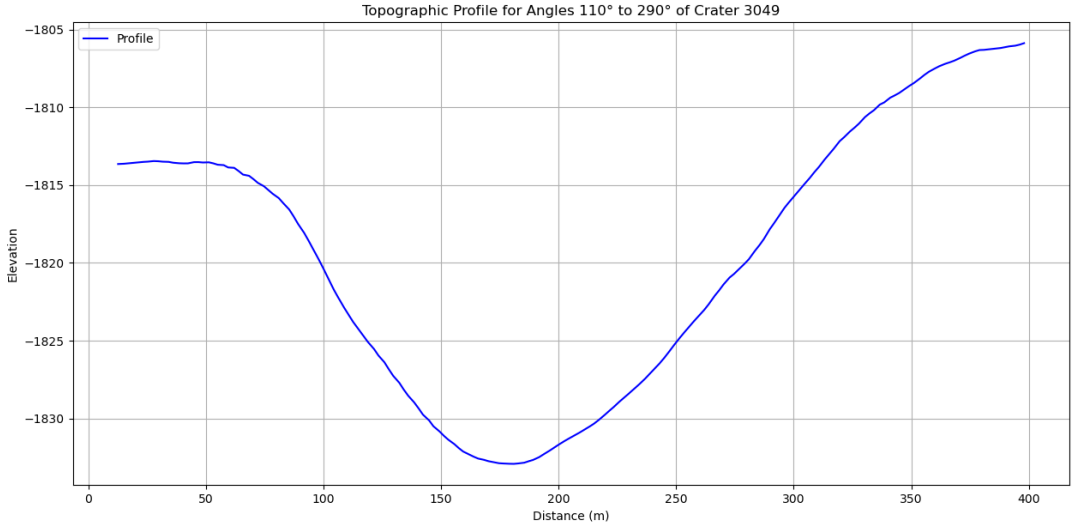

Topographic Profile for Angles 60° to 240° of Crater 3049
Profile
Elevation
−1805
−1810
−1815
−1820
−1825
−1830
50
100
150
200
250
300
350
400
Distance (m)

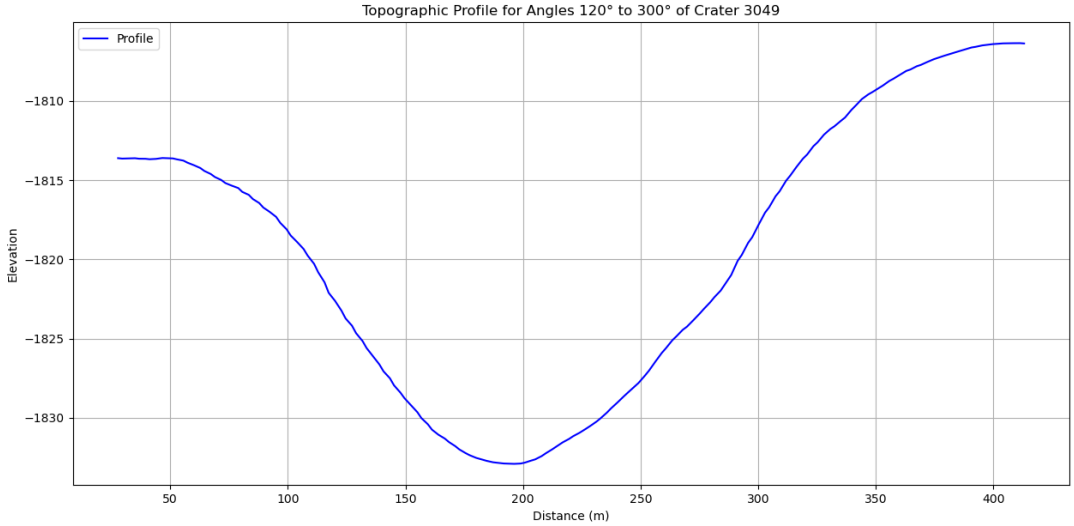

Topographic Profile for Angles 70° to 250° of Crater 3049
Profile
Elevation
−1805
−1810
−1815
−1820
−1825
−1830
0
50
100
150
200
250
300
350
400
Distance (m)

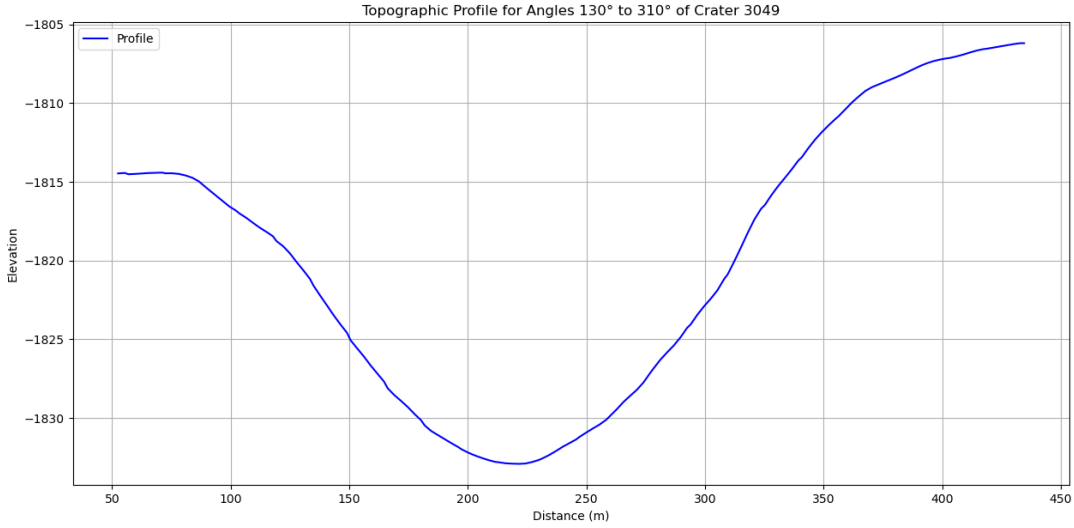

Topographic Profile for Angles 80° to 260° of Crater 3049
Profile
Elevation
−1805
−1810
−1815
−1820
−1825
−1830
0
50
100
150
200
250
300
350
400
Distance (m)

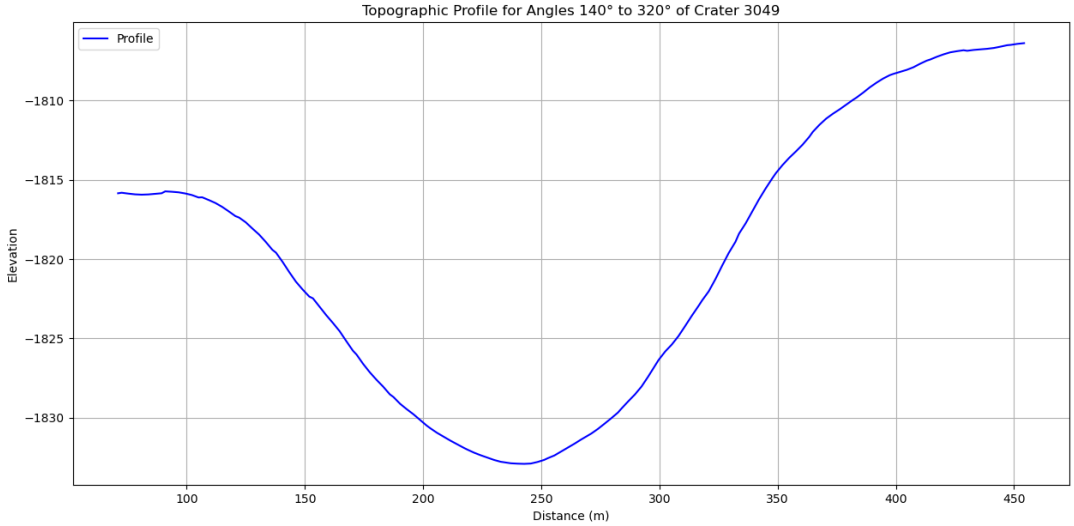

Topographic Profile for Angles 90° to 270° of Crater 3049
Profile
Elevation
−1805
−1810
−1815
−1820
−1825
−1830
0
50
100
150
200
250
300
350
400
Distance (m)

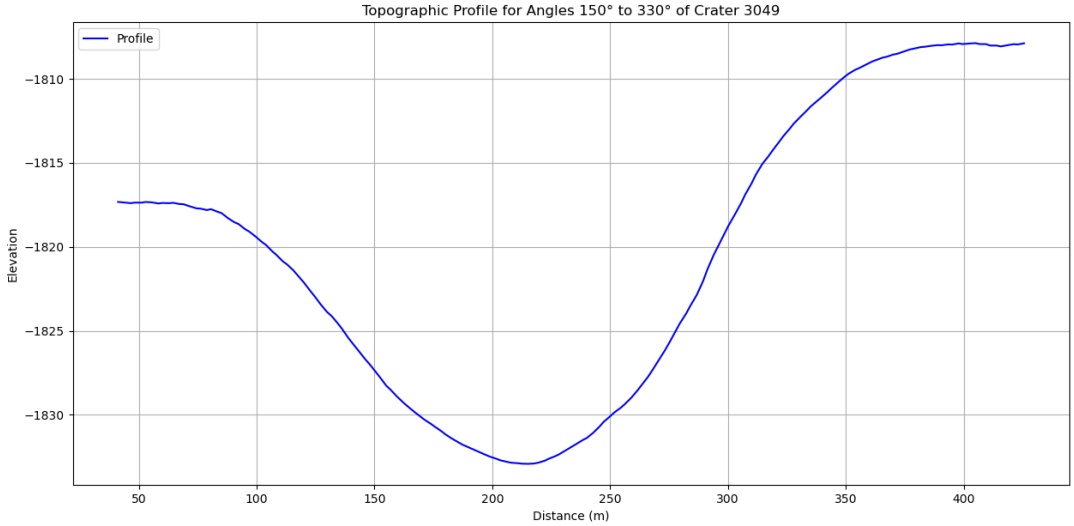

Topographic Profile for Angles 100° to 280° of Crater 3049
Profile
Elevation
−1805
−1810
−1815
−1820
−1825
−1830
0
50
100
150
200
250
300
350
400
Distance (m)

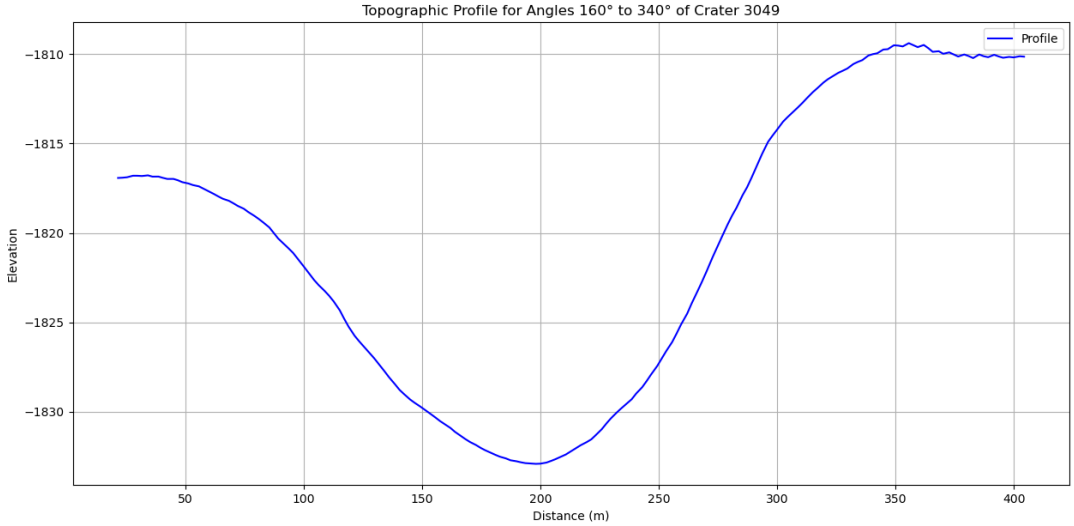

Topographic Profile for Angles 110° to 290° of Crater 3049
Profile
Elevation
Distance (m)
−1805
−1810
−1815
−1820
−1825
−1830
0
50
100
150
200
250
300
350
400

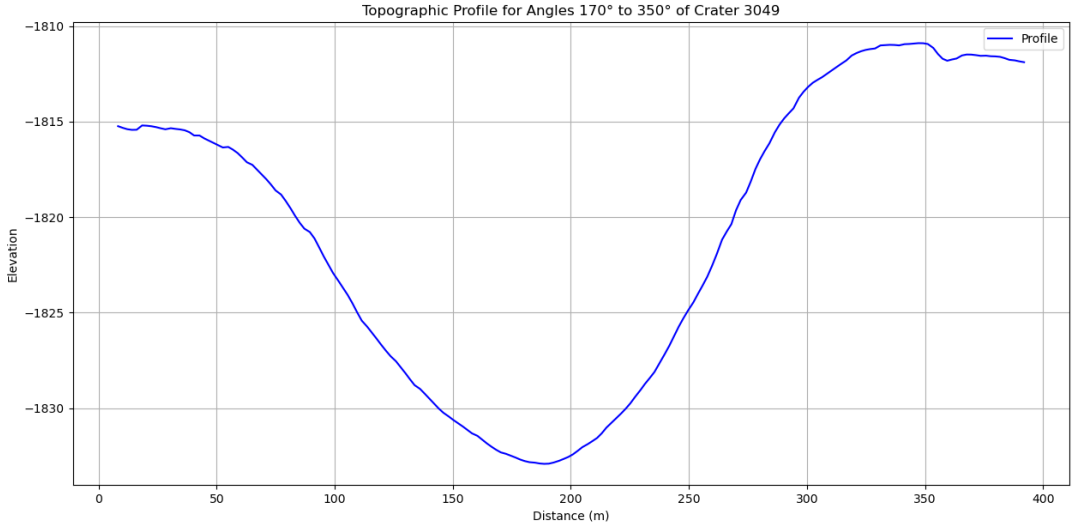

Topographic Profile for Angles 120° to 300° of Crater 3049
Profile
Elevation
Distance (m)
−1810
−1815
−1820
−1825
−1830
50
100
150
200
250
300
350
400


Topographic Profile for Angles 130° to 310° of Crater 3049
Profile
Elevation
Distance (m)
−1805
−1810
−1815
−1820
−1825
−1830
50
100
150
200
250
300
350
400
450


Topographic Profile for Angles 140° to 320° of Crater 3049
Profile
Elevation
Distance (m)
−1810
−1815
−1820
−1825
−1830
100
150
200
250
300
350
400
450


Topographic Profile for Angles 150° to 330° of Crater 3049
Profile
Elevation
Distance (m)
−1810
−1815
−1820
−1825
−1830
50
100
150
200
250
300
350
400


Topographic Profile for Angles 160° to 340° of Crater 3049
Profile
Elevation
Distance (m)
−1810
−1815
−1820
−1825
−1830
50
100
150
200
250
300
350
400


Topographic Profile for Angles 170° to 350° of Crater 3049
Profile
Elevation
Distance (m)
−1810
−1815
−1820
−1825
−1830
0
50
100
150
200
250
300
350
400