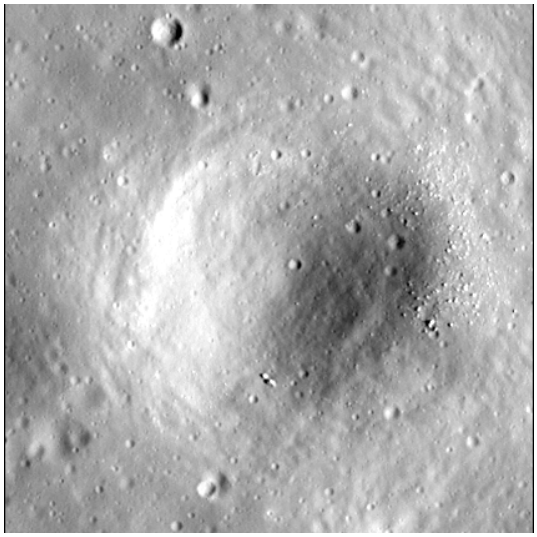
Crater report 659 of RG2

General information



ID : 659

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : BC

Mean Diameter : 202m ± 8.0m

Mean depht : 18.9m ± 0.5m

d/D ratio : 0.093 ± 0.004

Circularity index : 0.93

Mean slope : 12.11°

Mean value of TRI on the rim crest : 0.42

Geometric center coordinates : (3656241.0799122187, 229291.58968805996)

Coordinates of the crater's lowest point : (3656249.0000011004, 229291.00000006767)

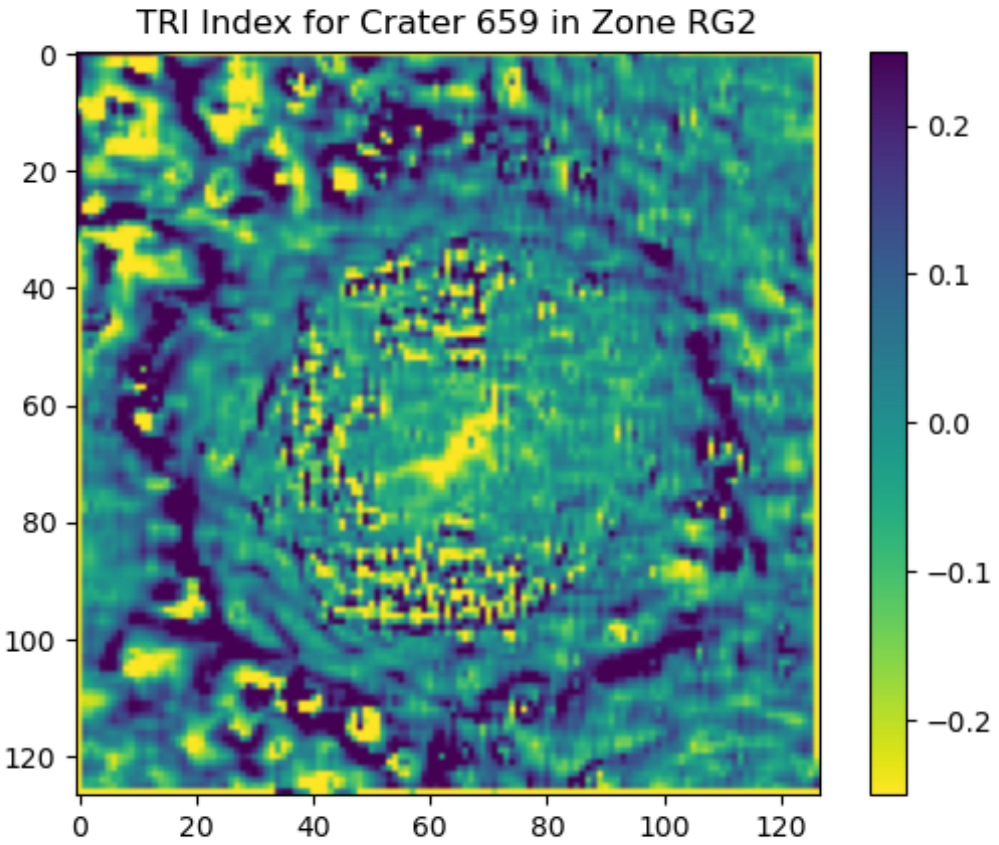
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	13.88	0.56
10°	12.96	0.54
20°	12.11	0.51
30°	11.52	0.48
40°	11.15	0.43
50°	10.34	0.43
60°	9.65	0.48
70°	9.57	0.52
80°	10.1	0.54
90°	11.11	0.57
100°	10.92	0.54
110°	10.8	0.52

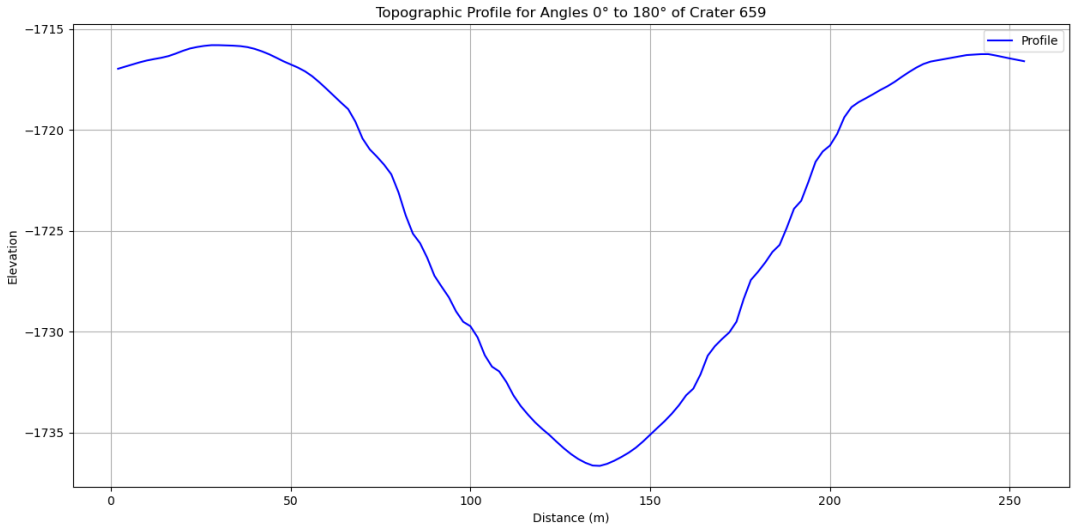
120°	11.5	0.48
130°	12.45	0.43
140°	13.14	0.43
150°	13.34	0.48
160°	12.97	0.51
170°	13.51	0.54
180°	13.75	0.56
190°	13.35	0.54
200°	12.55	0.51
210°	11.78	0.48
220°	11.89	0.43
230°	12.2	0.43
240°	11.99	0.48
250°	11.96	0.51
260°	12.15	0.54
270°	12.63	0.57
280°	12.49	0.54
290°	12.27	0.51
300°	12.04	0.48
310°	12.61	0.43
320°	12.55	0.43
330°	12.47	0.47
340°	12.84	0.51
350°	13.29	0.54

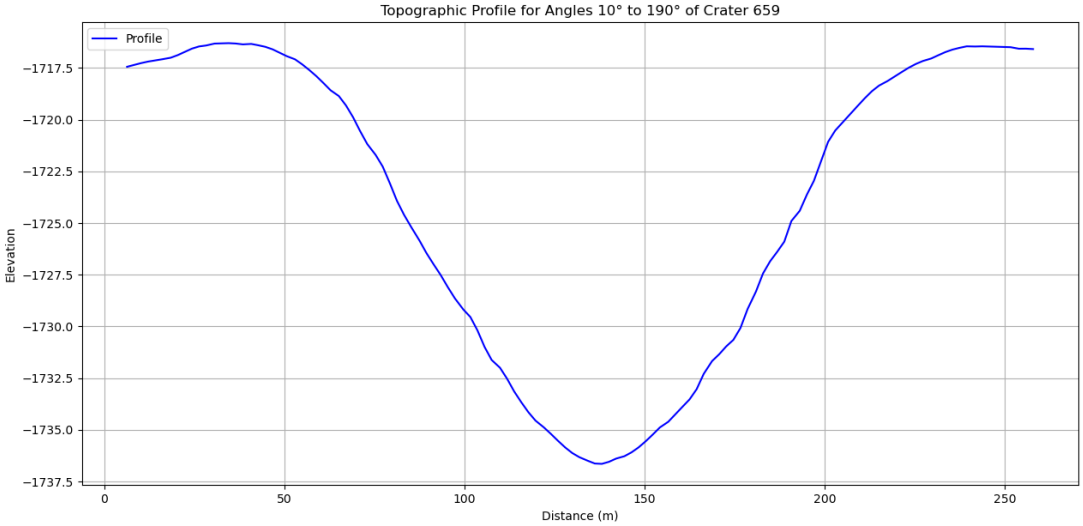
Topographic roughness index (TRI)

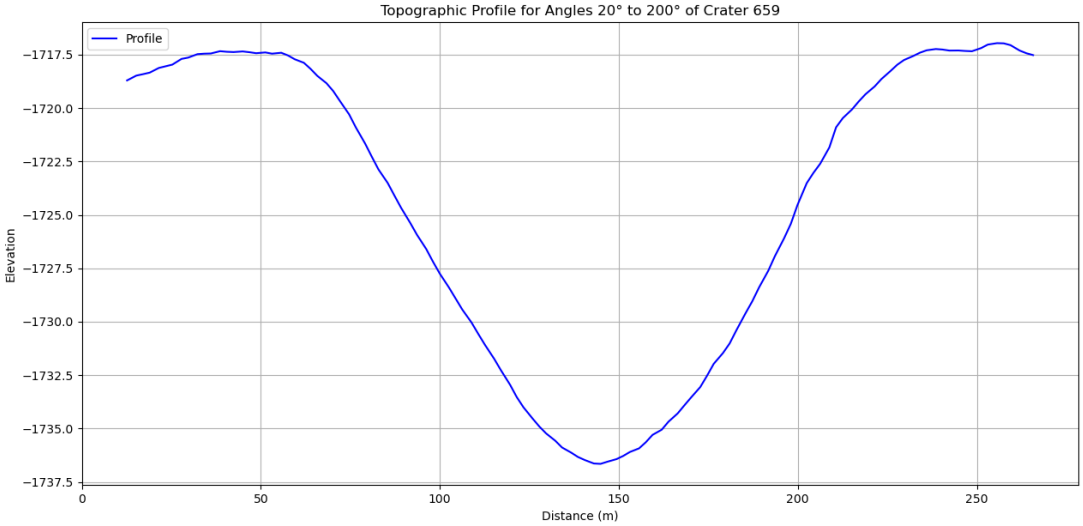
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

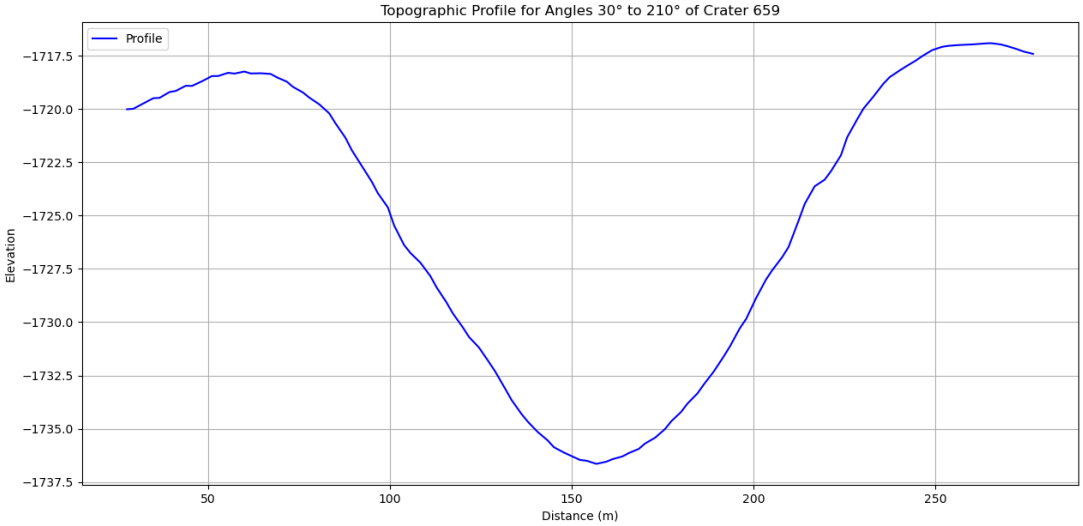


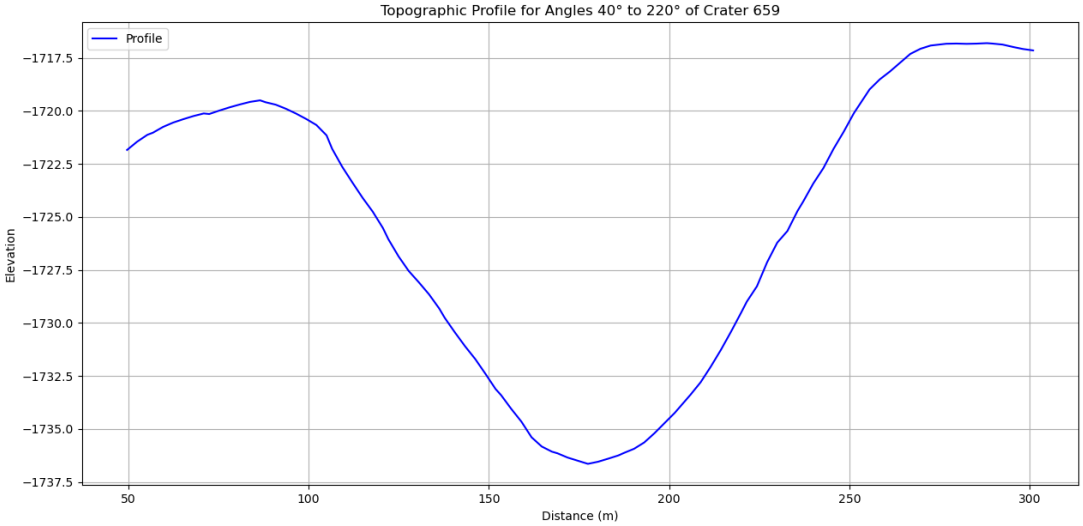
Topographic profiles

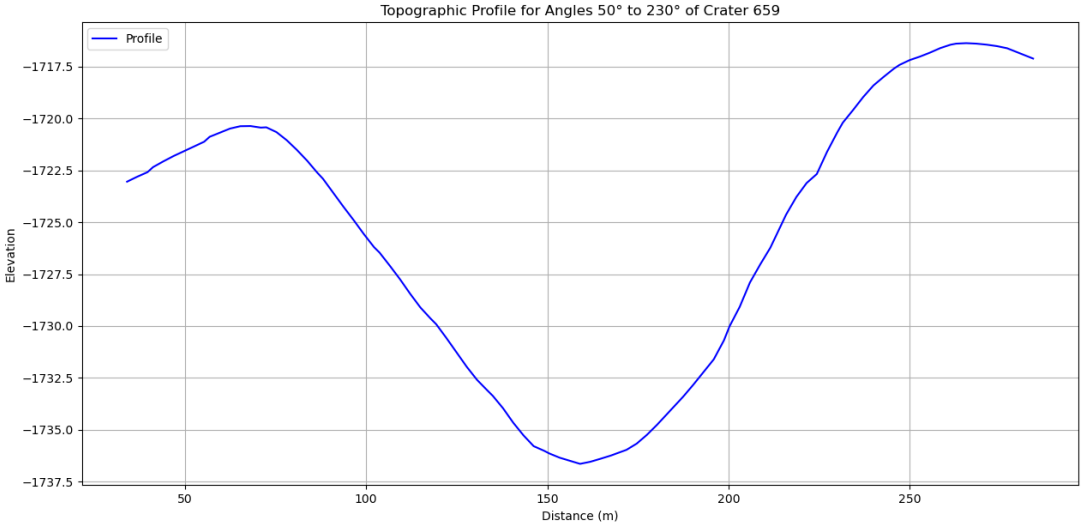


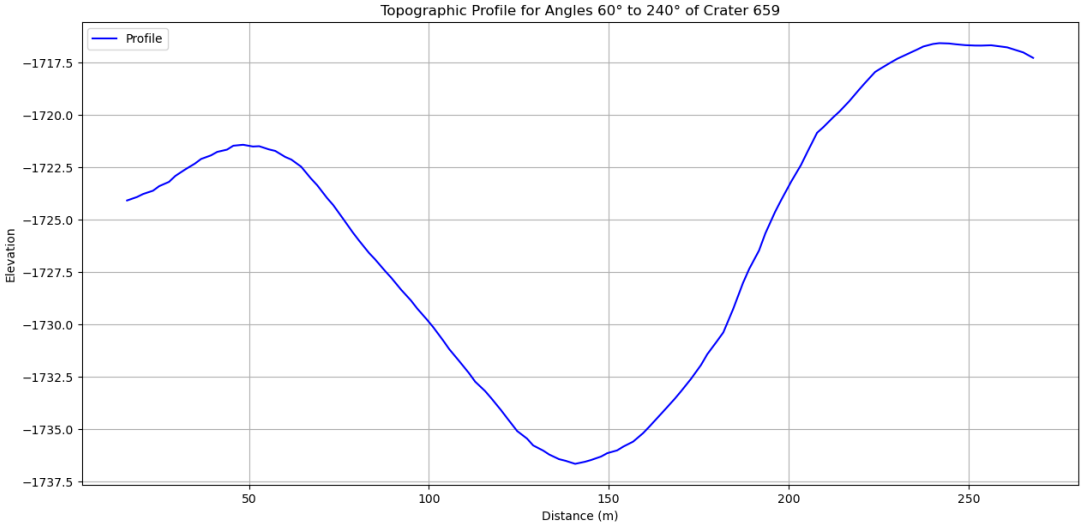

Topographic Profile for Angles 10° to 190° of Crater 659
Profile
Elevation
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
−1732.5
−1735.0
−1737.5
0
50
100
150
200
250
Distance (m)

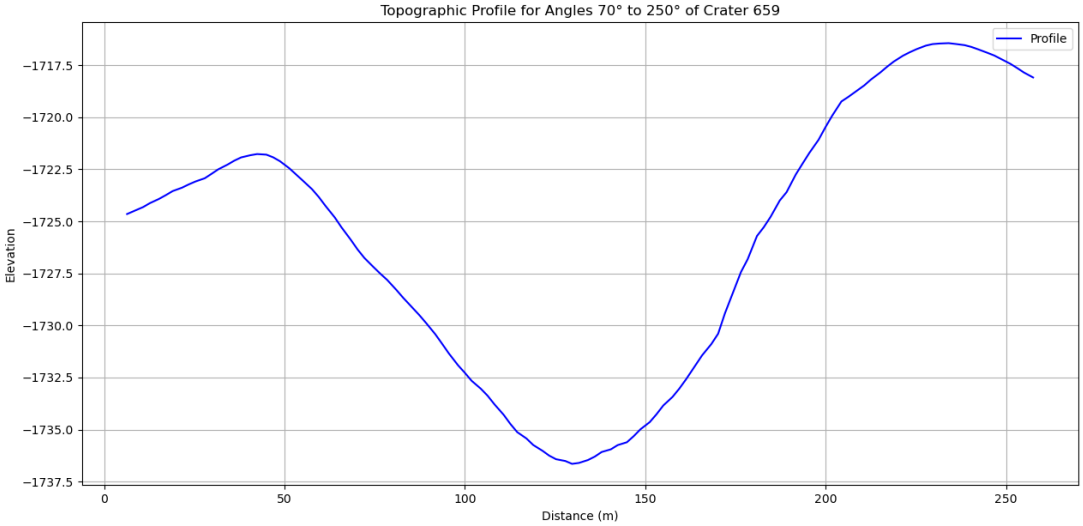

Topographic Profile for Angles 20° to 200° of Crater 659
Profile
Elevation
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
−1732.5
−1735.0
−1737.5
0
50
100
150
200
250
Distance (m)


Topographic Profile for Angles 30° to 210° of Crater 659
Profile
Elevation
Distance (m)
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
−1732.5
−1735.0
−1737.5
50
100
150
200
250


Topographic Profile for Angles 40° to 220° of Crater 659
Profile
Elevation
Distance (m)
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
−1732.5
−1735.0
−1737.5
50
100
150
200
250
300


Topographic Profile for Angles 50° to 230° of Crater 659
Profile
Elevation
Distance (m)
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
−1732.5
−1735.0
−1737.5
50
100
150
200
250


Topographic Profile for Angles 60° to 240° of Crater 659
Profile
Elevation
Distance (m)
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
−1732.5
−1735.0
−1737.5
50
100
150
200
250


Topographic Profile for Angles 70° to 250° of Crater 659
Profile
Elevation
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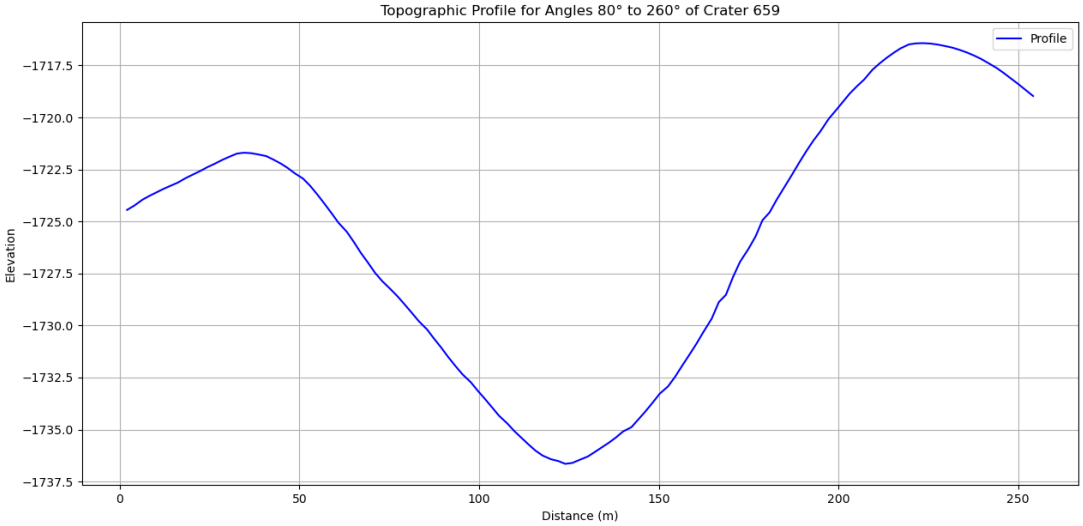
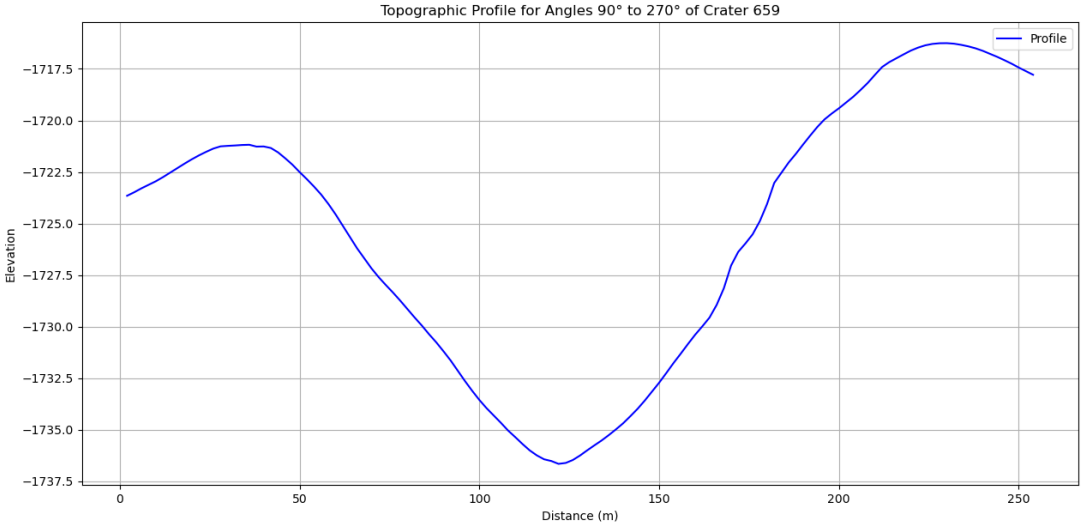
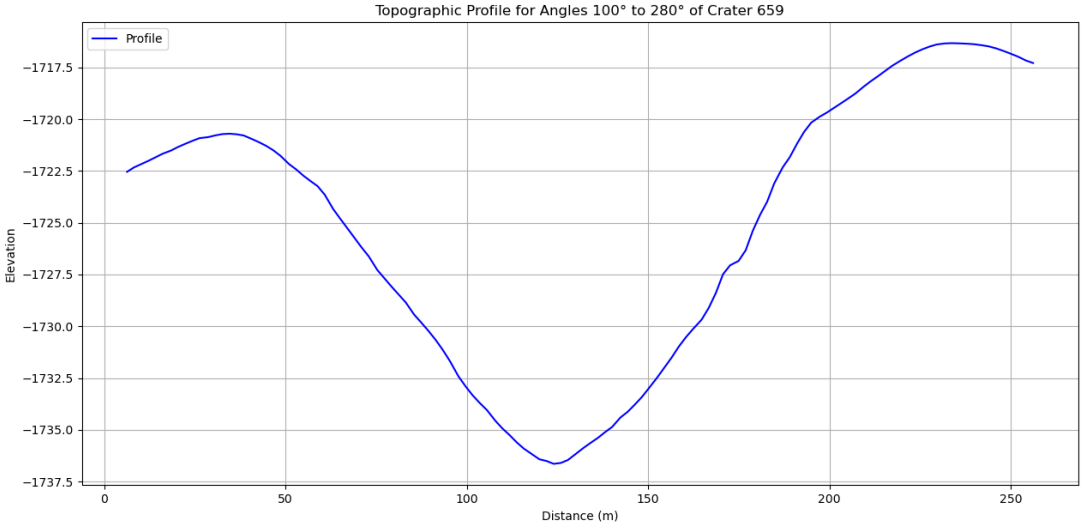
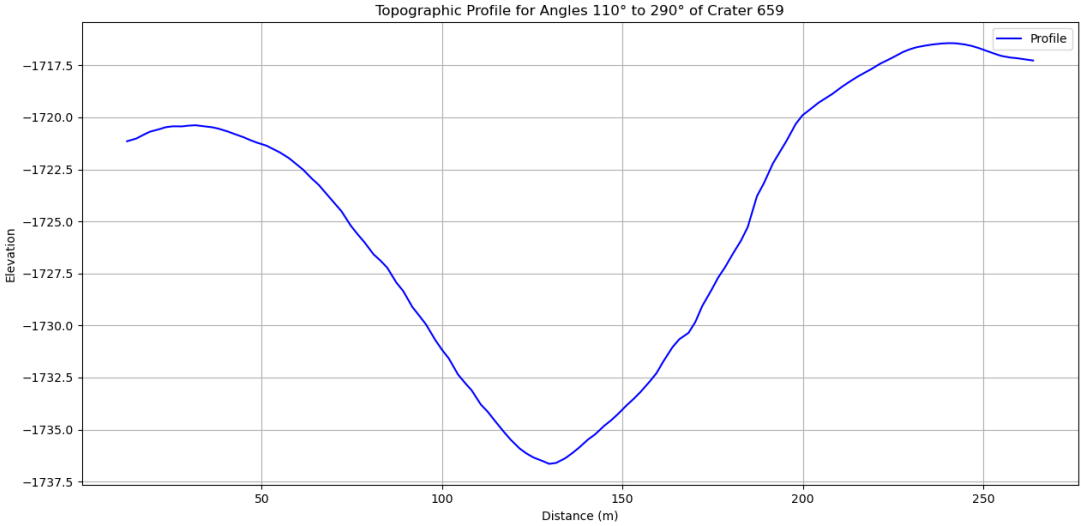
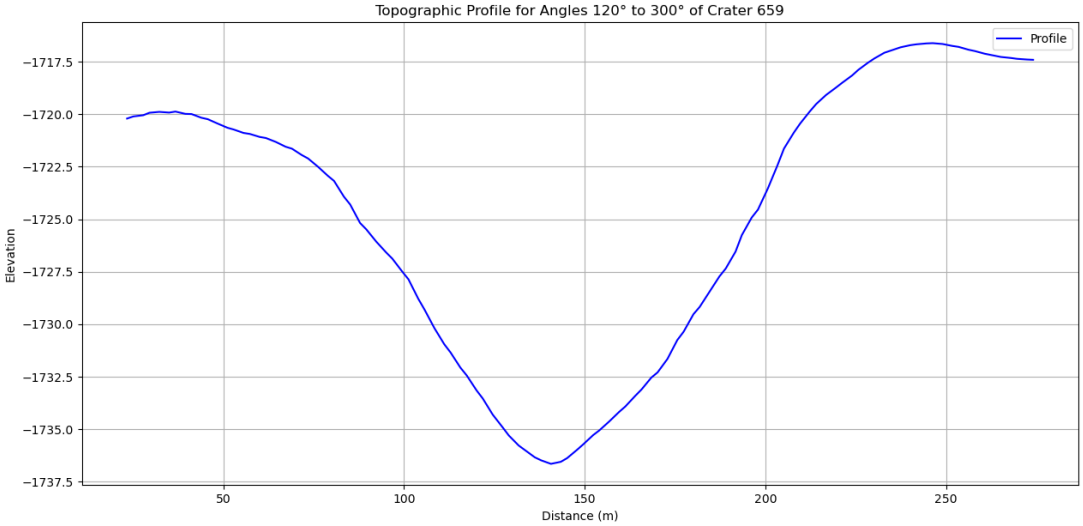
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
−1732.5
−1735.0
−1737.5
0
50
100
150
200
250
Distance (m)

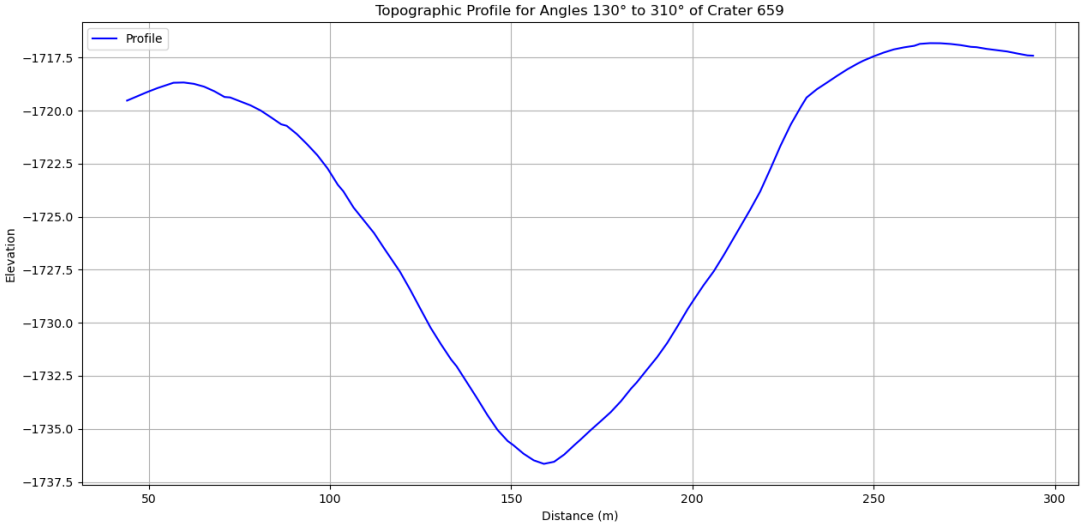

Topographic Profile for Angles 80° to 260° of Crater 659
Profile
Elevation
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
−1732.5
−1735.0
−1737.5
0
50
100
150
200
250
Distance (m)

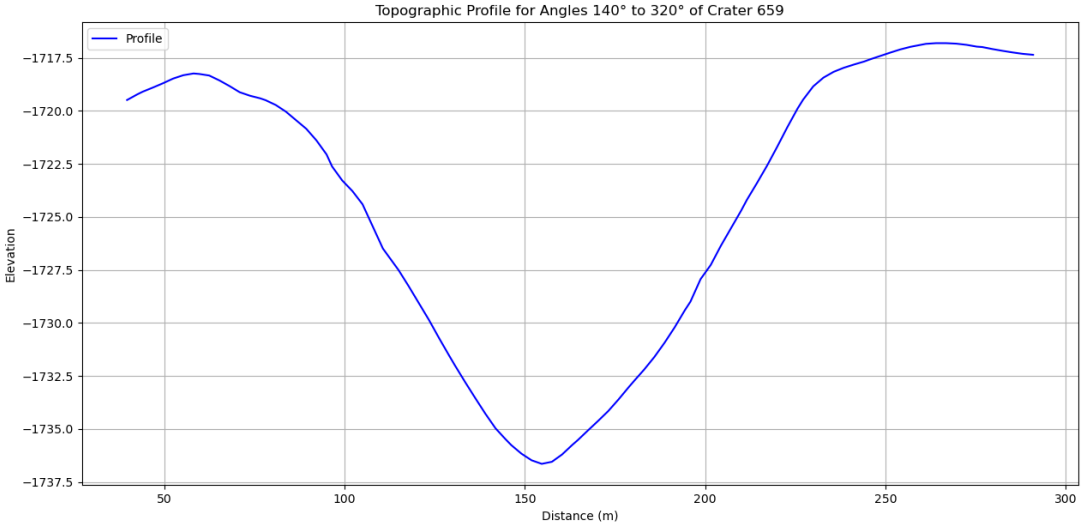

Topographic Profile for Angles 90° to 270° of Crater 659
Profile
Elevation
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
−1732.5
−1735.0
−1737.5
0
50
100
150
200
250
Distance (m)

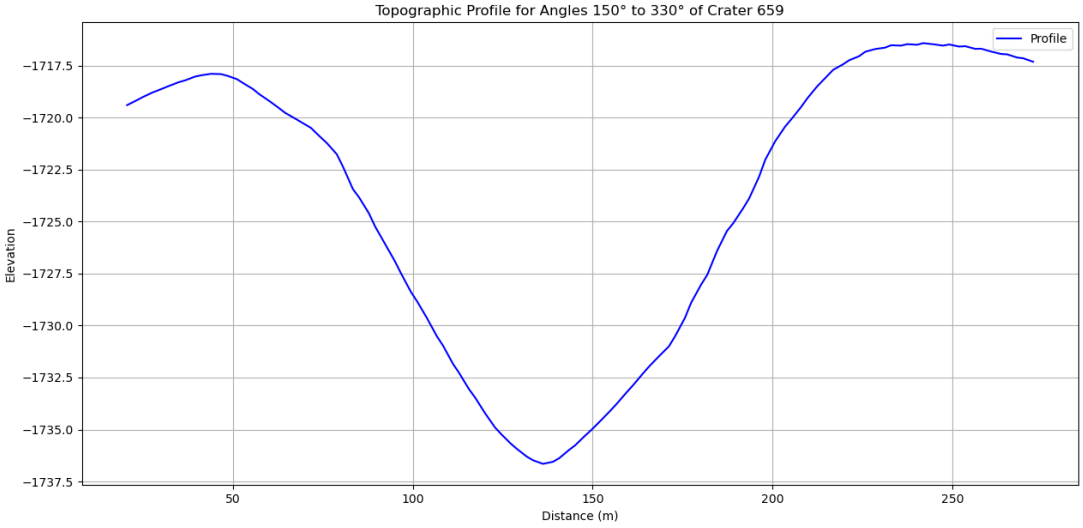

Topographic Profile for Angles 100° to 280° of Crater 659
Profile
Elevation
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
−1732.5
−1735.0
−1737.5
0
50
100
150
200
250
Distance (m)

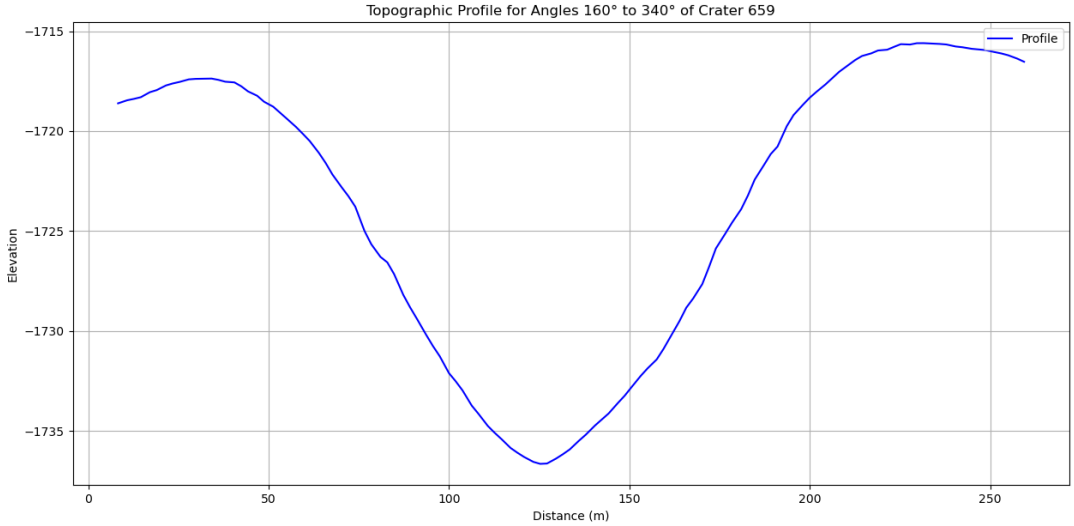

Topographic Profile for Angles 110° to 290° of Crater 659
Profile
Elevation
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
−1732.5
−1735.0
−1737.5
50
100
150
200
250
Distance (m)

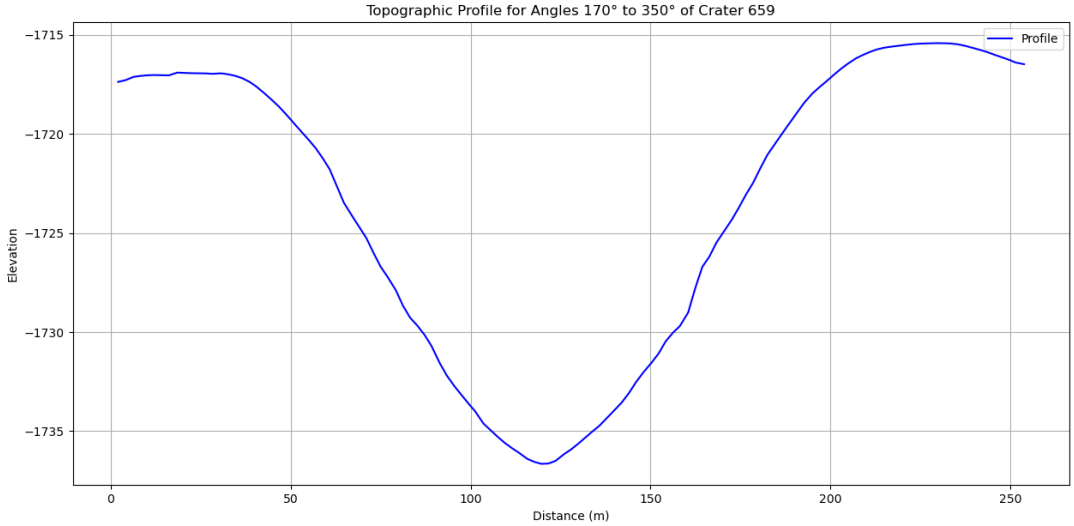

Topographic Profile for Angles 120° to 300° of Crater 659
Profile
Elevation
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
−1732.5
−1735.0
−1737.5
50
100
150
200
250
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 659
Profile
Elevation
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
−1732.5
−1735.0
−1737.5
50
100
150
200
250
300
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 659
Profile
Elevation
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
−1732.5
−1735.0
−1737.5
50
100
150
200
250
300
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 659
Profile
Elevation
Distance (m)
−1717.5
−1720.0
−1722.5
−1725.0
−1727.5
−1730.0
−1732.5
−1735.0
−1737.5
50
100
150
200
250


Topographic Profile for Angles 160° to 340° of Crater 659
Profile
Elevation
Distance (m)
−1715
−1720
−1725
−1730
−1735
0
50
100
150
200
250


Topographic Profile for Angles 170° to 350° of Crater 659
Profile
Elevation
−1715
−1720
−1725
−1730
−1735
0
50
100
150
200
250
Distance (m)