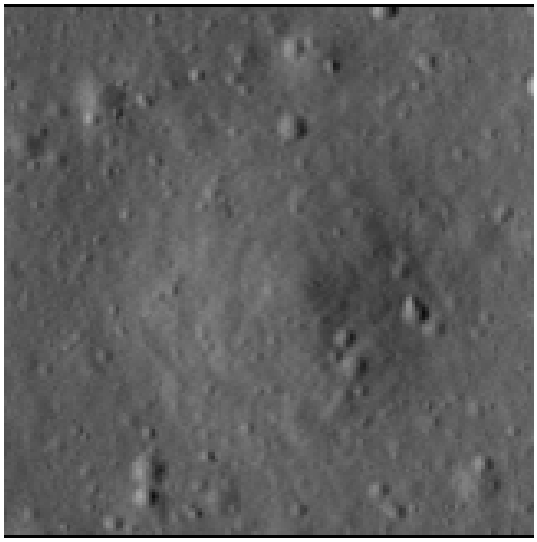
Crater report 249 of RG2

General information



ID : 249

Study area : RG2

Swirl : off-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 70m ± 4.0m

Mean depht : 2.1m ± 0.2m

d/D ratio : 0.03 ± 0.003

Circularity index : 0.93

Slope : Between 3.54° et 4.89°

Mean value of TRI on the rim crest : 0.58

Geometric center coordinates : (3655856.8177401284, 234658.88940475424)

Coordinates of the crater's lowest point : (3655855.0000011, 234657.00000006927)

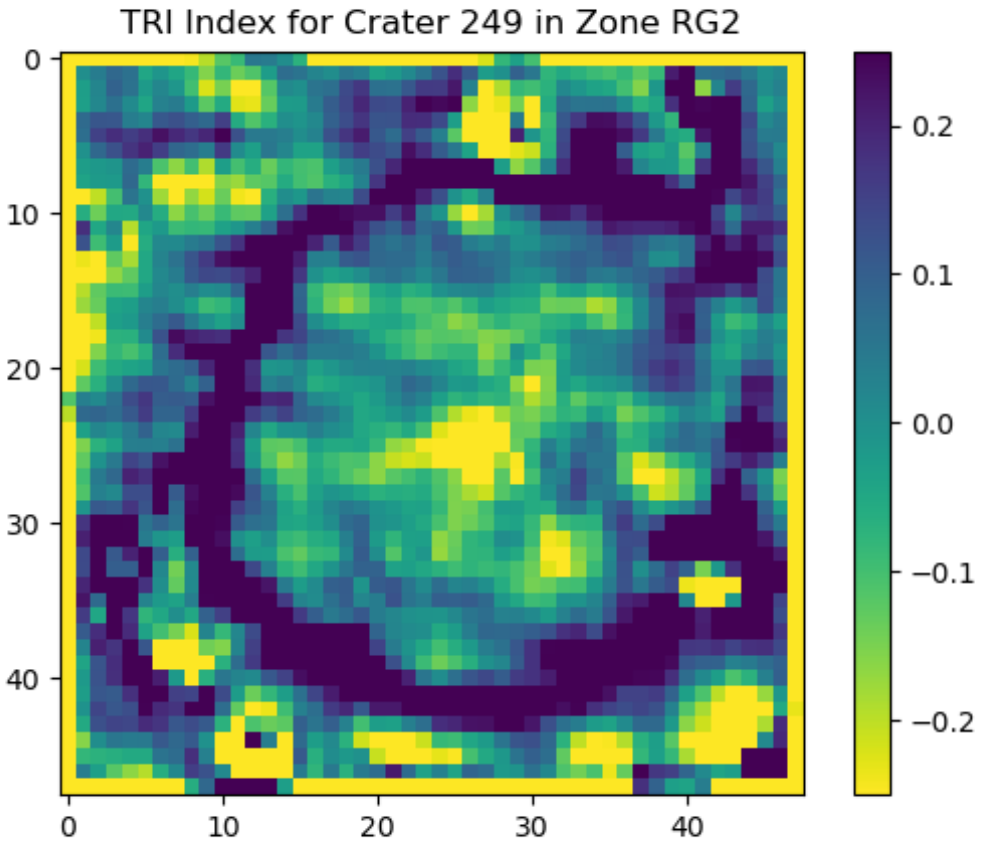
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	4.6	0.57
10°	4.64	0.55
20°	4.66	0.5
30°	4.89	0.47
40°	4.8	0.45
50°	4.73	0.42
60°	4.73	0.46
70°	4.45	0.51
80°	4.25	0.55
90°	4.18	0.57
100°	3.95	0.55
110°	4.12	0.5

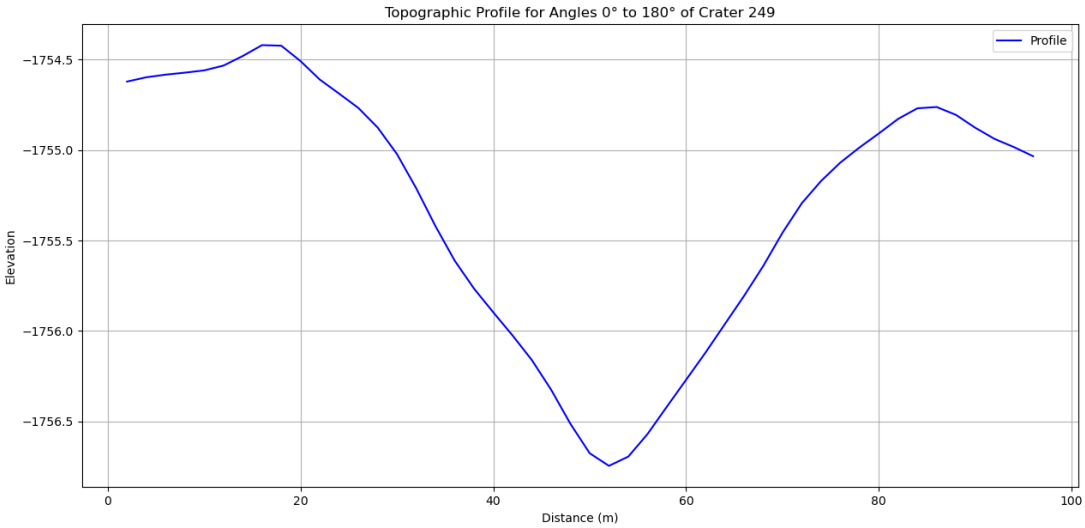
120°	4.18	0.49
130°	4.01	0.43
140°	3.85	0.43
150°	3.65	0.48
160°	3.9	0.51
170°	4.18	0.55
180°	4.46	0.57
190°	4.23	0.55
200°	4.37	0.5
210°	4.36	0.48
220°	4.49	0.43
230°	4.22	0.43
240°	3.54	0.49
250°	3.6	0.52
260°	3.7	0.55
270°	3.88	0.57
280°	3.85	0.55
290°	3.78	0.53
300°	3.8	0.48
310°	3.76	0.43
320°	3.68	0.43
330°	3.63	0.47
340°	3.8	0.51
350°	4.19	0.55

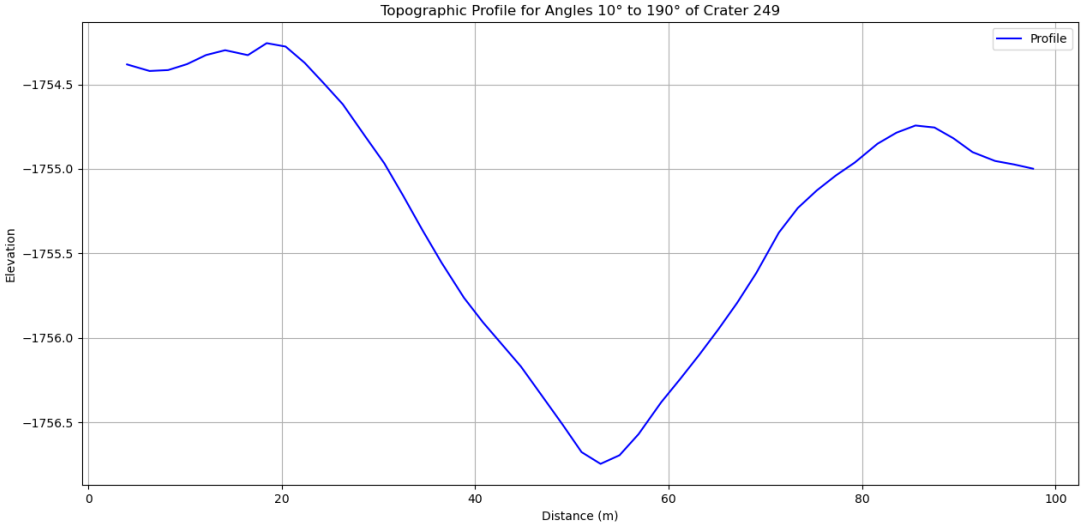
Topographic roughness index (TRI)

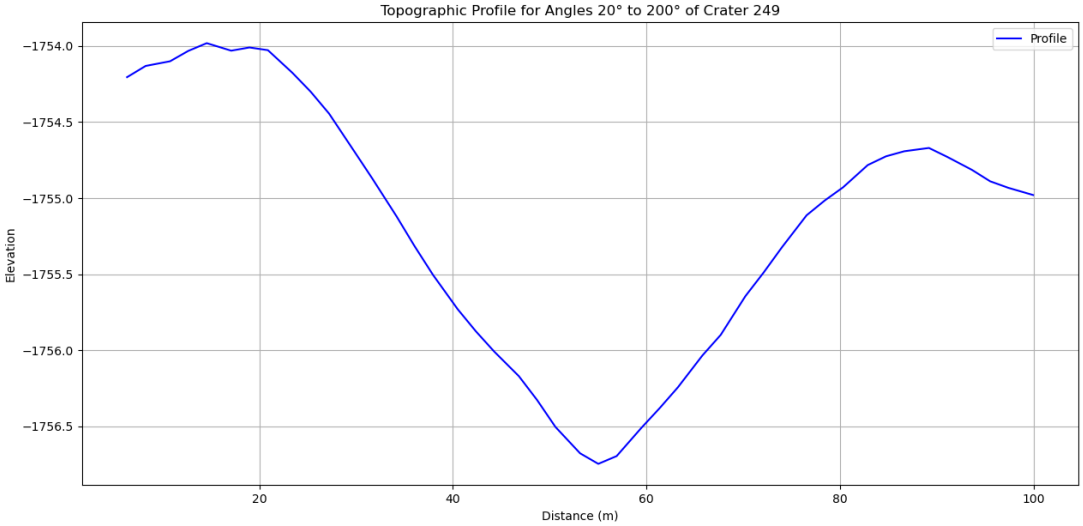
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.



Topographic profiles




Topographic Profile for Angles 10° to 190° of Crater 249
Profile
Elevation
−1754.5
−1755.0
−1755.5
−1756.0
−1756.5
0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 20° to 200° of Crater 249
Profile
Elevation
−1754.0
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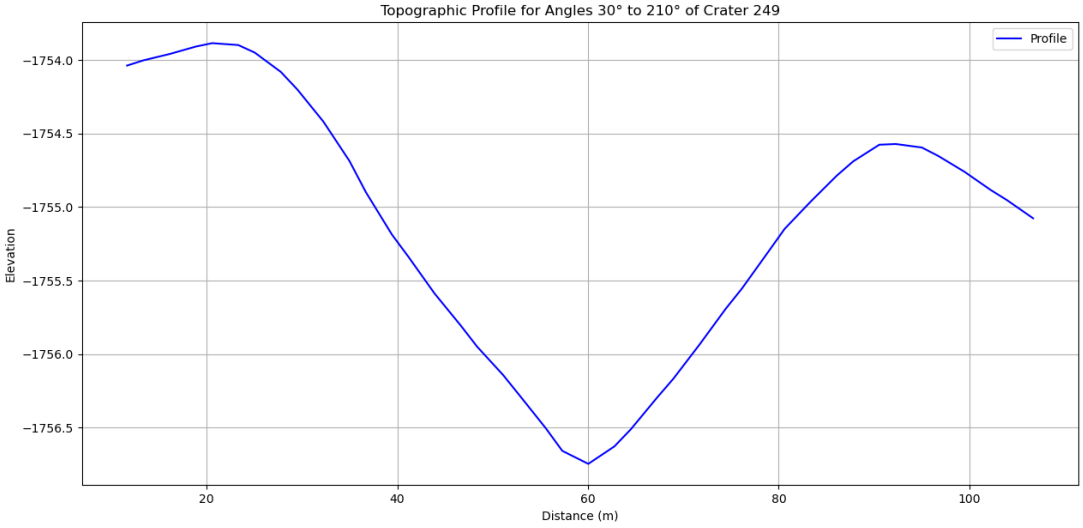
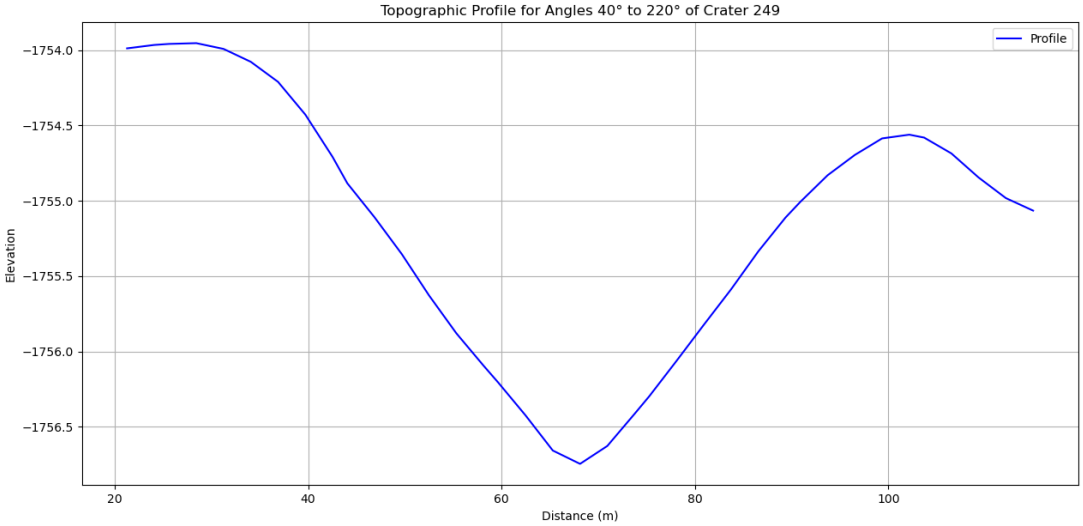
−1755.0
−1755.5
−1756.0
−1756.5
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 30° to 210° of Crater 249
Profile
−1754.0
−1754.5
−1755.0
−1755.5
−1756.0
−1756.5
Elevation
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 40° to 220° of Crater 249
Profile
−1754.0
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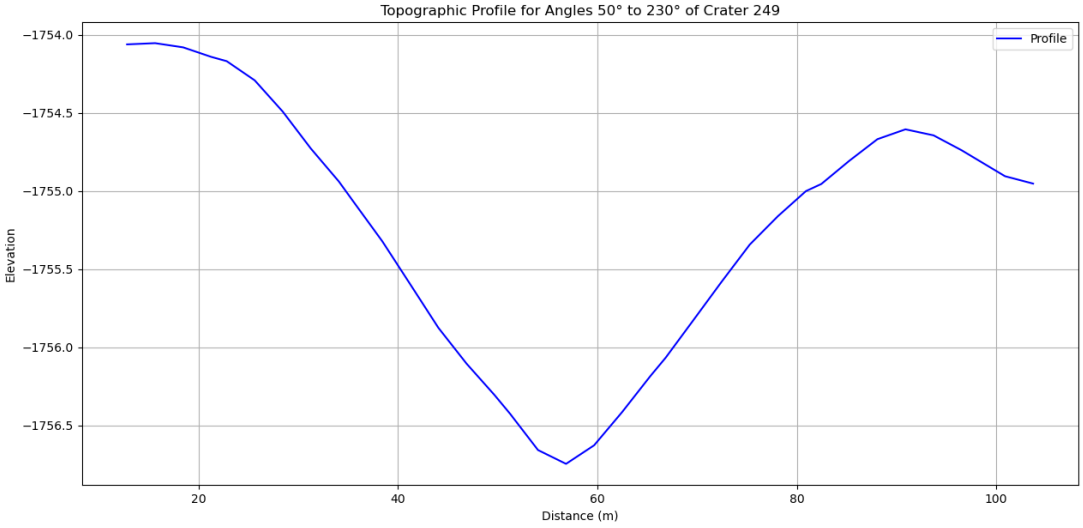
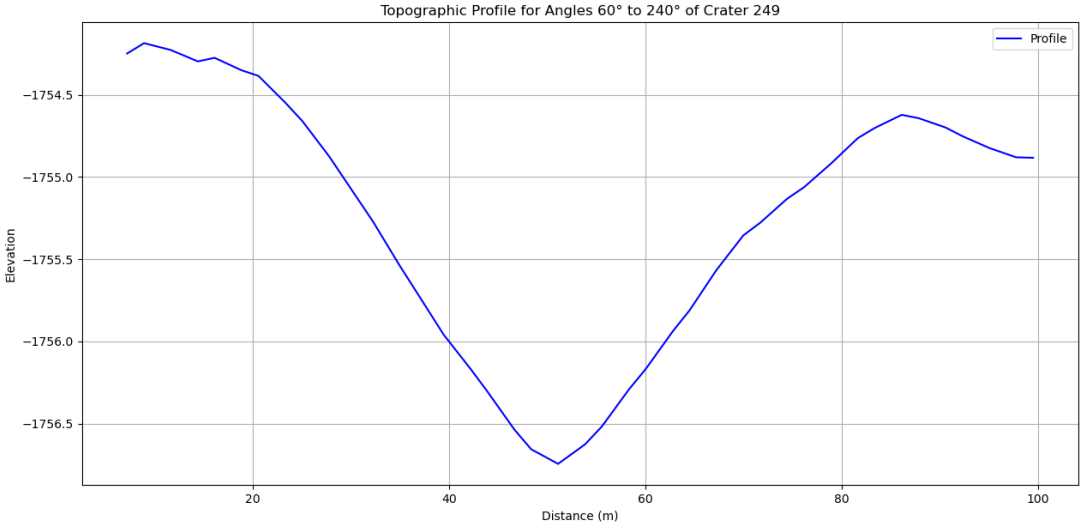
−1755.5
−1756.0
−1756.5
Elevation
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 50° to 230° of Crater 249
Profile
Elevation
−1754.0
−1754.5
−1755.0
−1755.5
−1756.0
−1756.5
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 60° to 240° of Crater 249
Profile
Elevation
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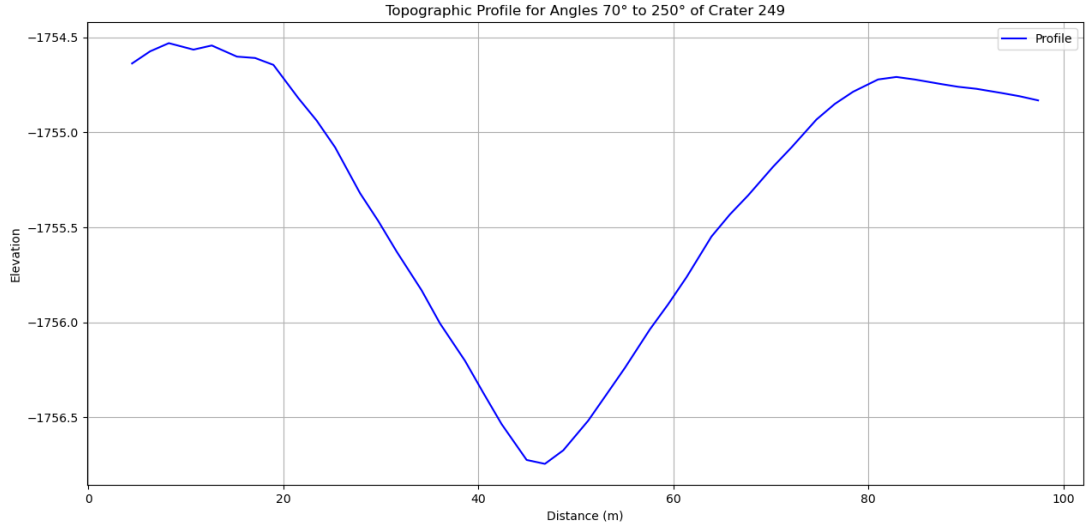
−1755.0
−1755.5
−1756.0
−1756.5
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 70° to 250° of Crater 249
Profile
Elevation
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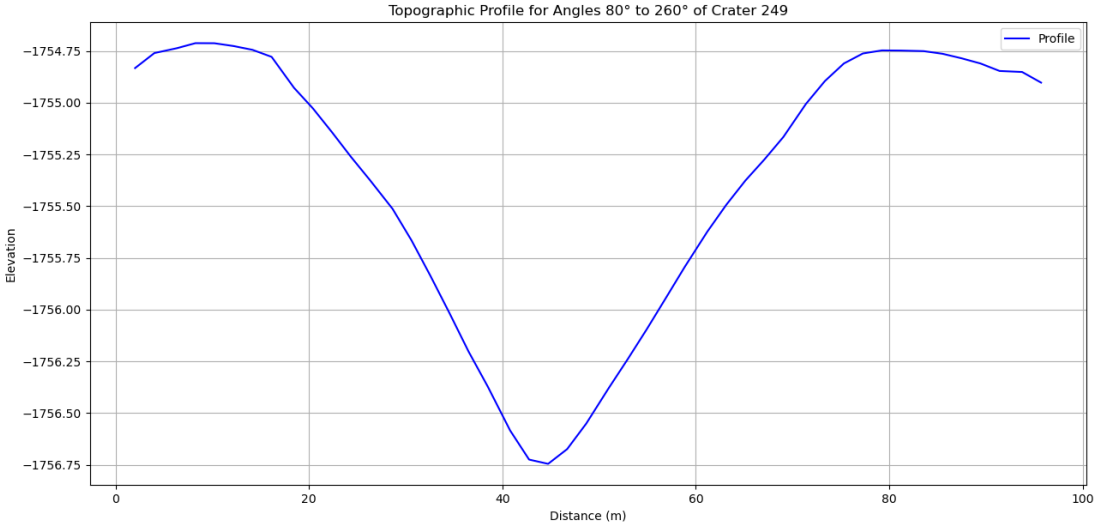
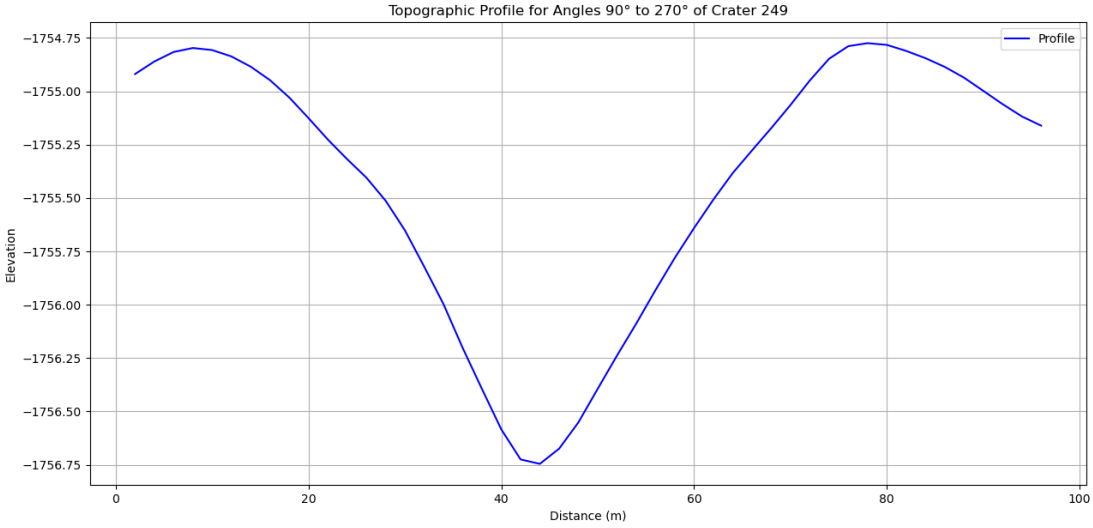
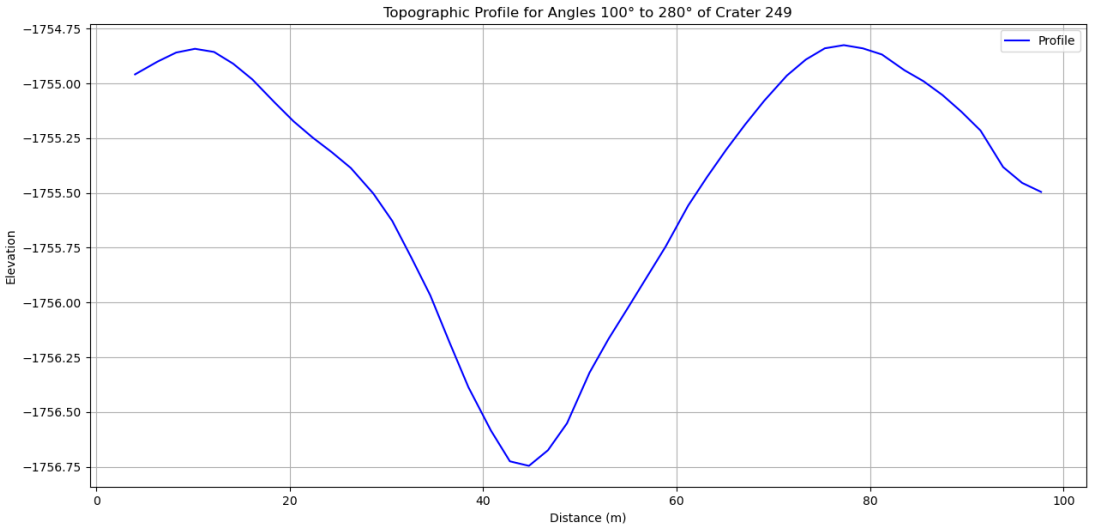
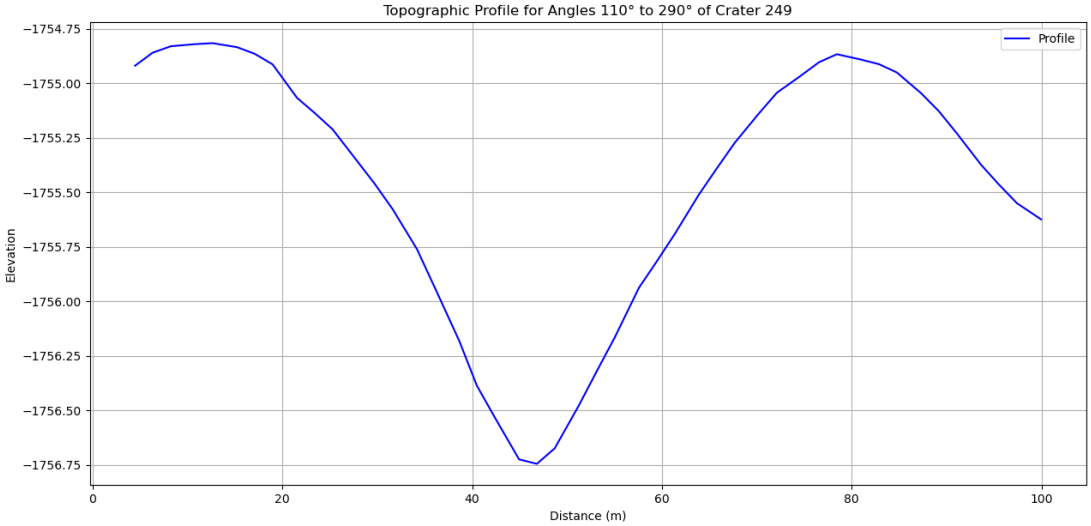
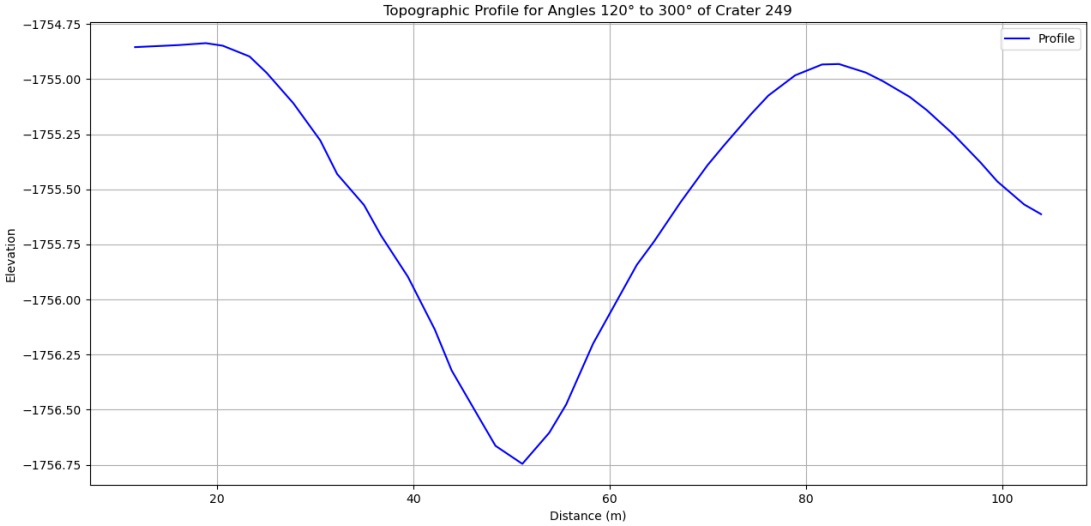
−1755.5
−1756.0
−1756.5
0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 80° to 260° of Crater 249
Profile
Elevation
−1754.75
−1755.00
−1755.25
−1755.50
−1755.75
−1756.00
−1756.25
−1756.50
−1756.75
0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 90° to 270° of Crater 249
Profile
Elevation
−1754.75
−1755.00
−1755.25
−1755.50
−1755.75
−1756.00
−1756.25
−1756.50
−1756.75
0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 100° to 280° of Crater 249
Profile
Elevation
−1754.75
−1755.00
−1755.25
−1755.50
−1755.75
−1756.00
−1756.25
−1756.50
−1756.75
0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 110° to 290° of Crater 249
Profile
Elevation
Distance (m)
−1754.75
−1755.00
−1755.25
−1755.50
−1755.75
−1756.00
−1756.25
−1756.50
−1756.75
0
20
40
60
80
100


Topographic Profile for Angles 120° to 300° of Crater 249
Profile
Elevation
Distance (m)
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−1755.00
−1755.25
−1755.50
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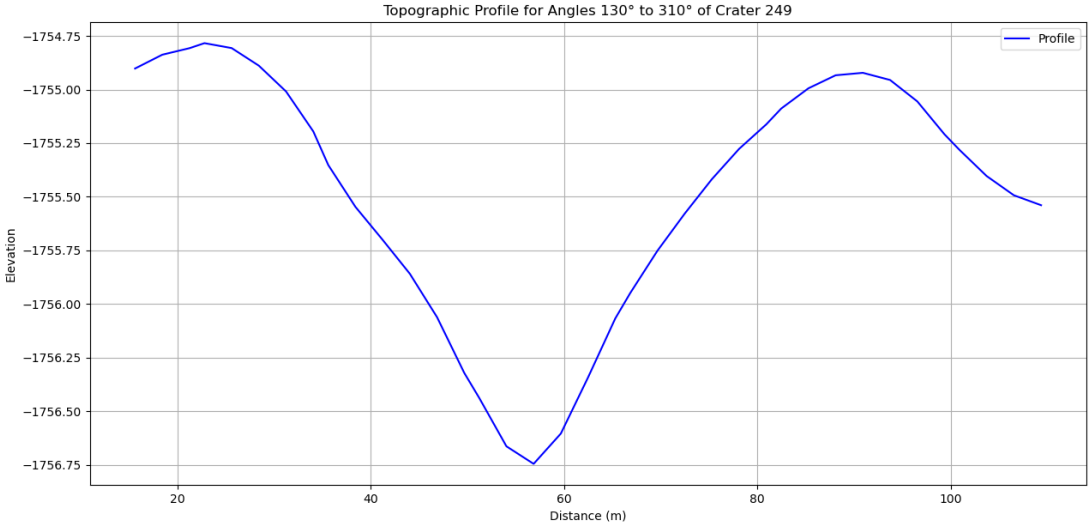
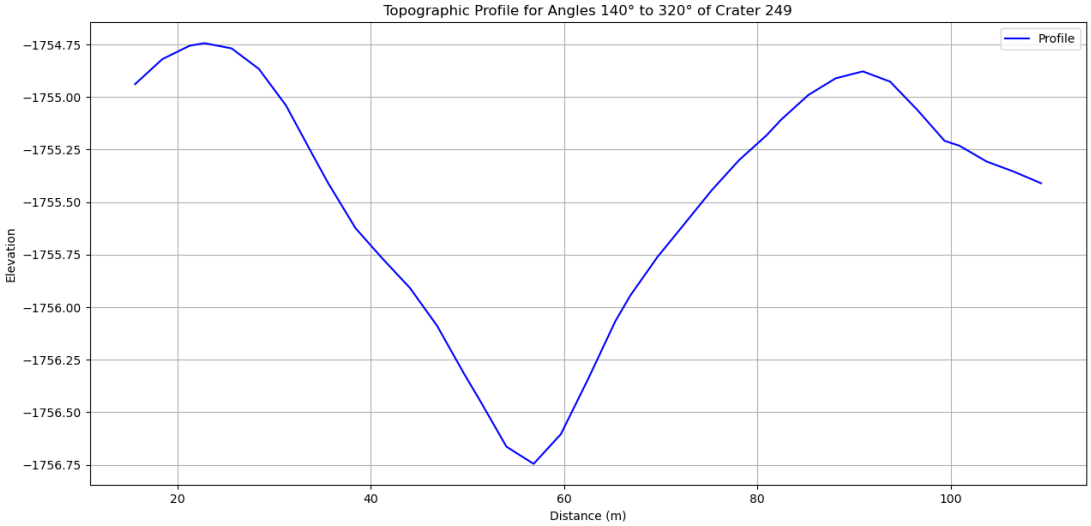
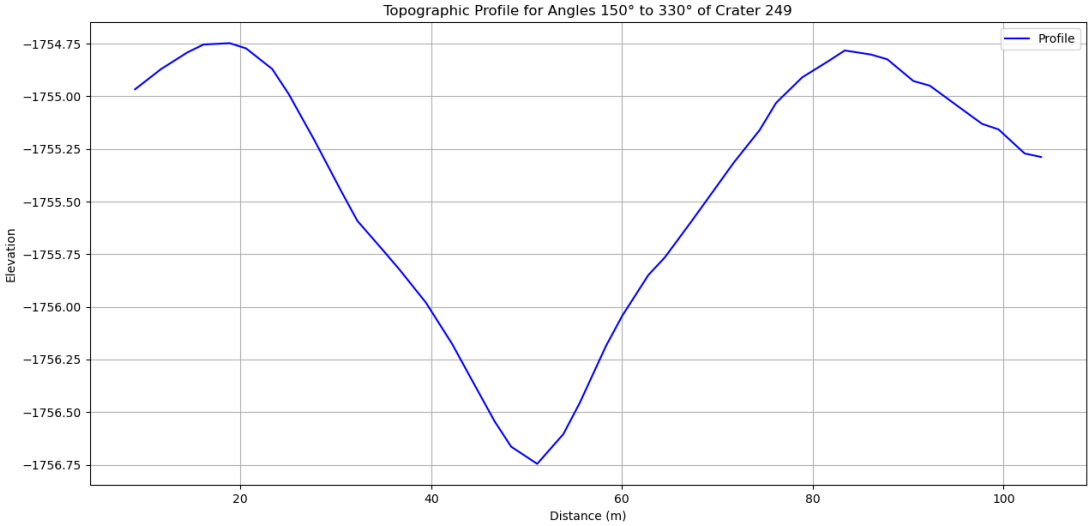
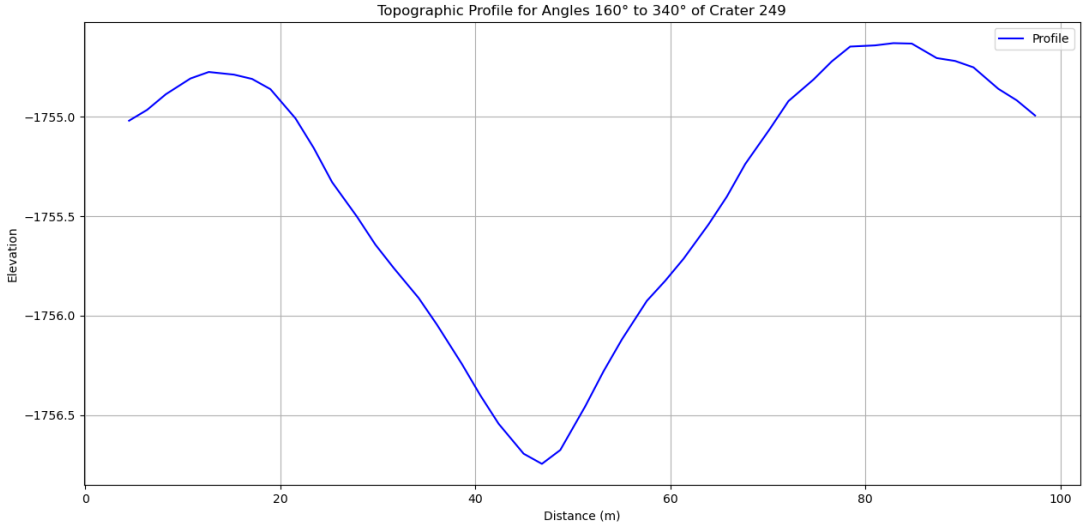
−1756.00
−1756.25
−1756.50
−1756.75
20
40
60
80
100


Topographic Profile for Angles 130° to 310° of Crater 249
Profile
Elevation
Distance (m)
−1754.75
−1755.00
−1755.25
−1755.50
−1755.75
−1756.00
−1756.25
−1756.50
−1756.75
20
40
60
80
100


Topographic Profile for Angles 140° to 320° of Crater 249
Profile
Elevation
Distance (m)
−1754.75
−1755.00
−1755.25
−1755.50
−1755.75
−1756.00
−1756.25
−1756.50
−1756.75
20
40
60
80
100


Topographic Profile for Angles 150° to 330° of Crater 249
Profile
Elevation
−1754.75
−1755.00
−1755.25
−1755.50
−1755.75
−1756.00
−1756.25
−1756.50
−1756.75
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 249
Profile
Elevation
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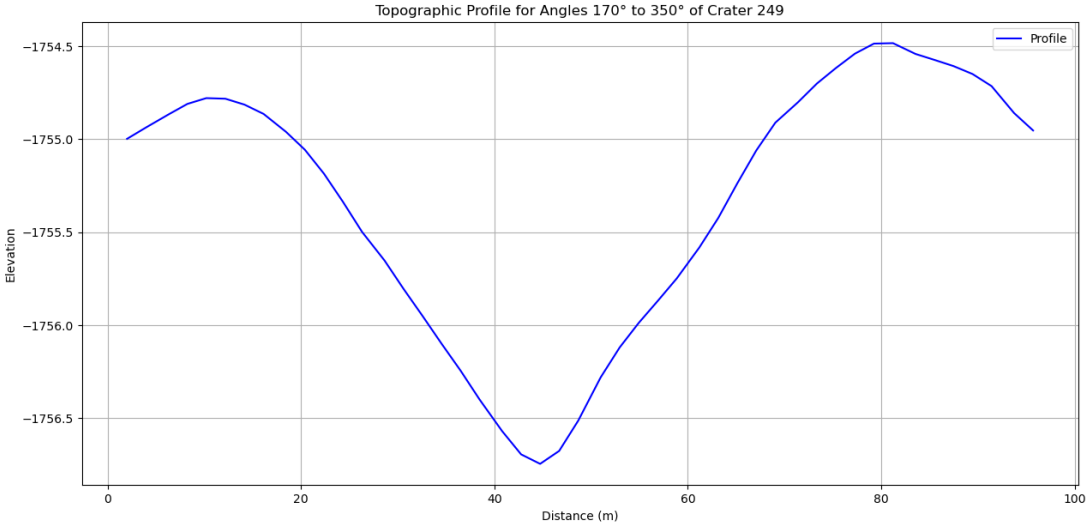
−1755.5
−1756.0
−1756.5
0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 249
Profile
Elevation
−1754.5
−1755.0
−1755.5
−1756.0
−1756.5
0
20
40
60
80
100
Distance (m)