Crater report 4 of RG2

General information

ID : 4

Study area : RG2

Swirl : off-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 471m ± 21.0m

Mean depht : 16.2m ± 0.6m

d/D ratio : 0.034 ± 0.002

Circularity index : 0.9

Slope : Between 3.01° et 7.67°

Mean value of TRI on the rim crest : 0.28

Geometric center coordinates : (3656201.58935208, 236348.205098594)

Coordinates of the crater's lowest point : (3656227.0000011004, 236359.00000006976)

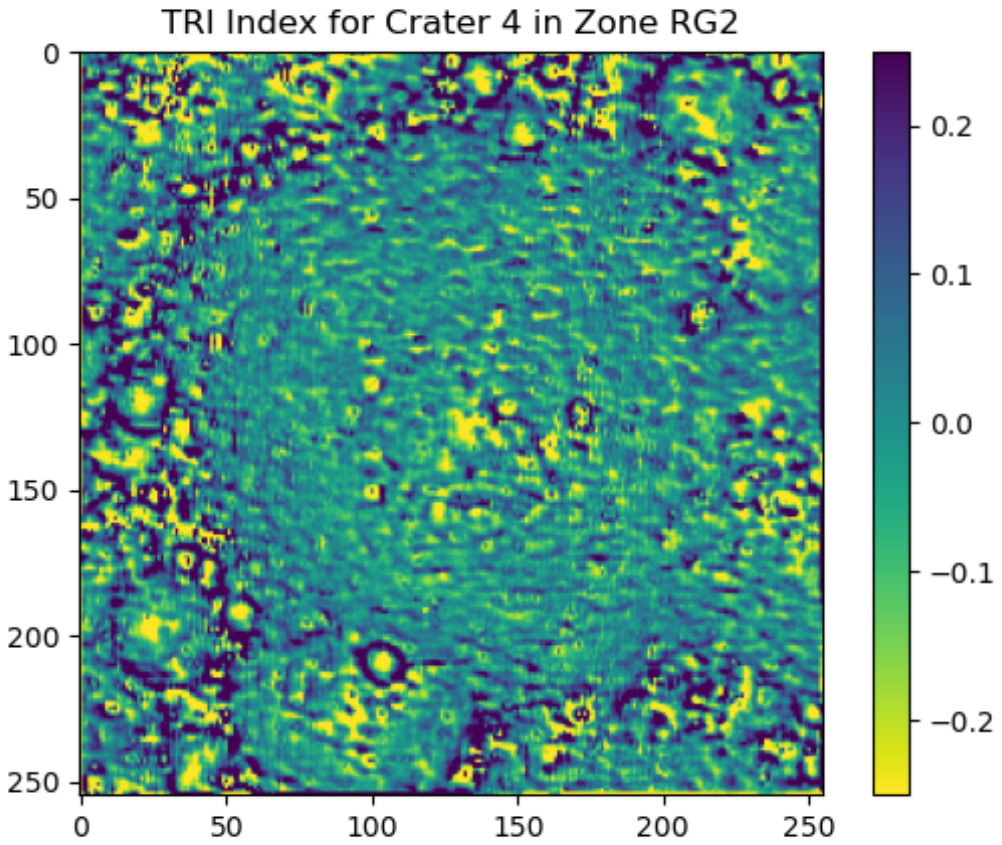
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	6.18	0.57
10°	5.06	0.54
20°	5.0	0.51
30°	4.98	0.48
40°	5.0	0.43
50°	4.53	0.43
60°	4.62	0.48
70°	4.55	0.51
80°	3.78	0.54
90°	3.01	0.57
100°	3.1	0.55
110°	3.09	0.52

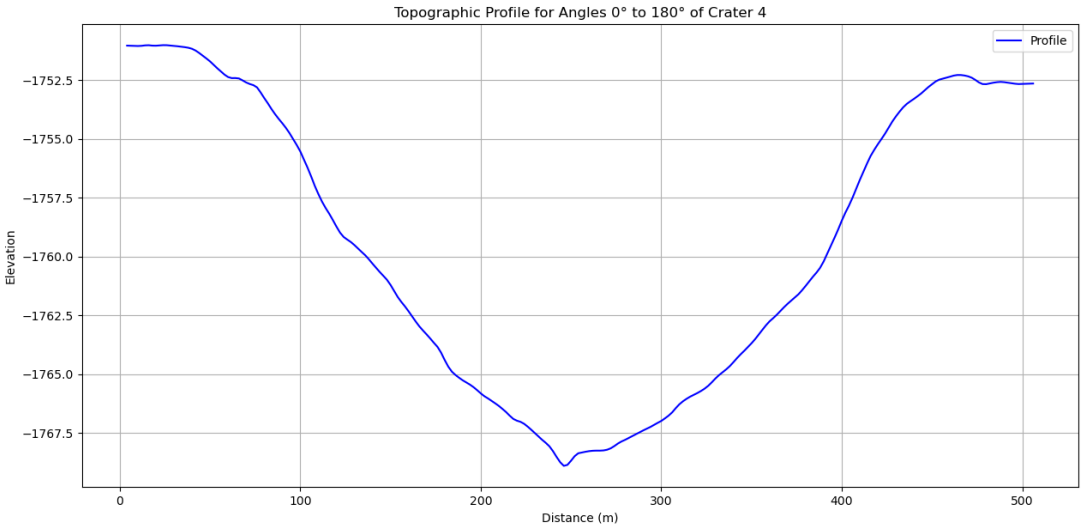
120°	3.2	0.48
130°	4.09	0.43
140°	5.64	0.43
150°	5.31	0.48
160°	4.92	0.51
170°	4.92	0.54
180°	6.13	0.57
190°	6.35	0.54
200°	6.42	0.52
210°	6.82	0.48
220°	7.67	0.43
230°	7.58	0.43
240°	7.35	0.48
250°	7.16	0.51
260°	6.54	0.54
270°	6.2	0.57
280°	5.33	0.54
290°	4.6	0.51
300°	4.25	0.48
310°	4.41	0.43
320°	4.92	0.43
330°	5.2	0.48
340°	5.61	0.52
350°	6.44	0.54

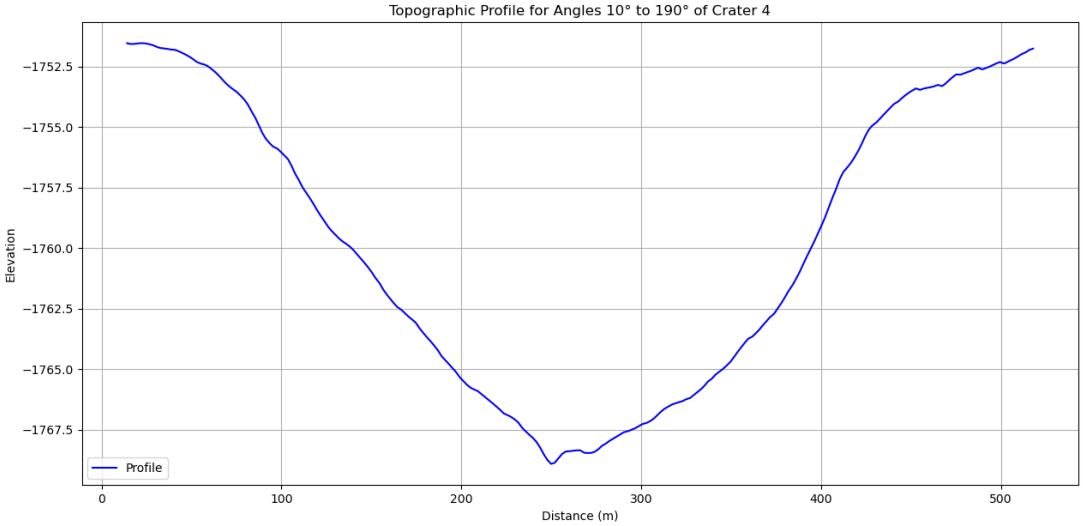
Topographic roughness index (TRI)

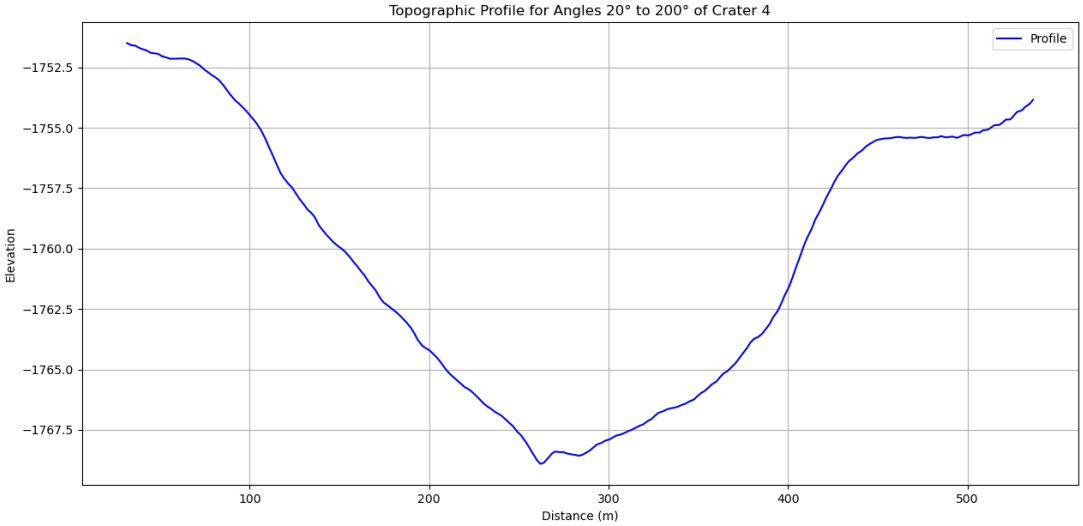
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.



Topographic profiles




Topographic Profile for Angles 10° to 190° of Crater 4
Elevation
−1752.5
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
Profile
0
100
200
300
400
500
Distance (m)


Topographic Profile for Angles 20° to 200° of Crater 4
Elevation
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−1755.0
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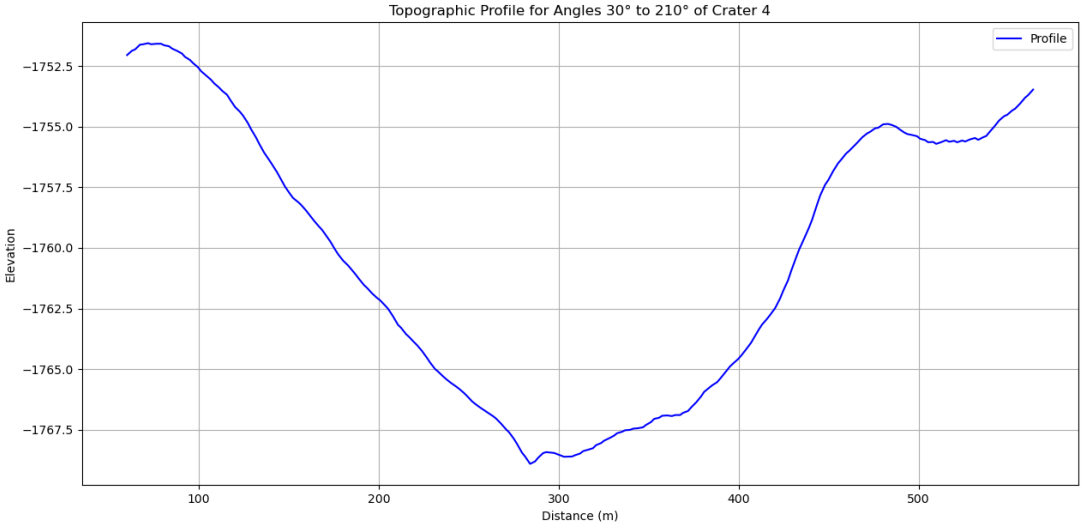
−1760.0
−1762.5
−1765.0
−1767.5
Profile
100
200
300
400
500
Distance (m)


Topographic Profile for Angles 30° to 210° of Crater 4
Profile
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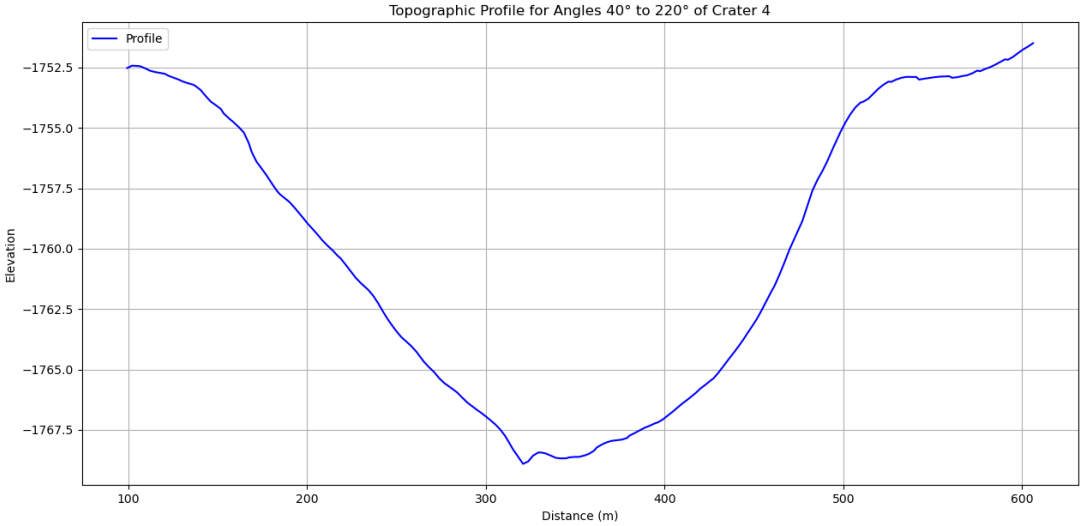
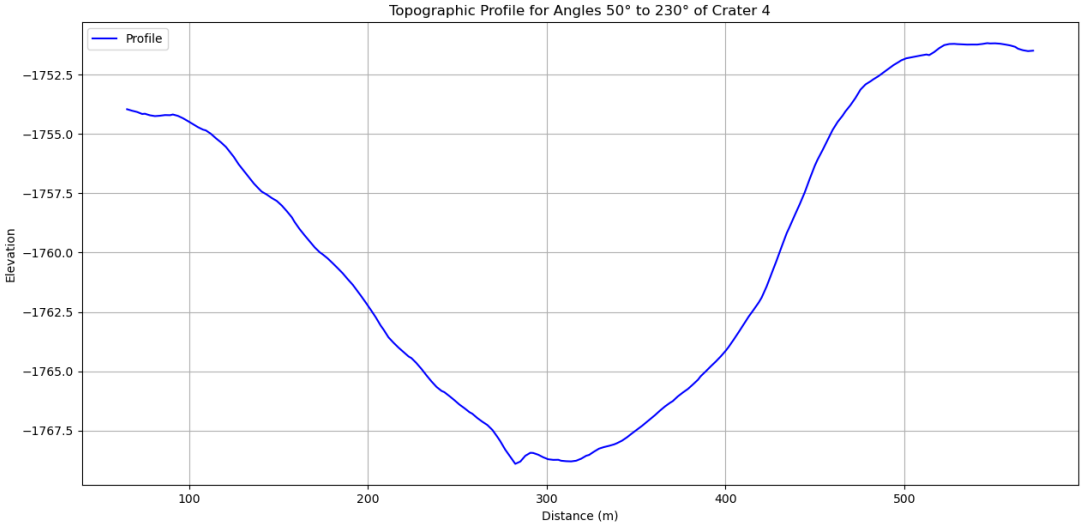
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
Elevation
100
200
300
400
500
Distance (m)


Topographic Profile for Angles 40° to 220° of Crater 4
Profile
−1752.5
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
Elevation
100
200
300
400
500
600
Distance (m)


Topographic Profile for Angles 50° to 230° of Crater 4
Profile
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−1755.0
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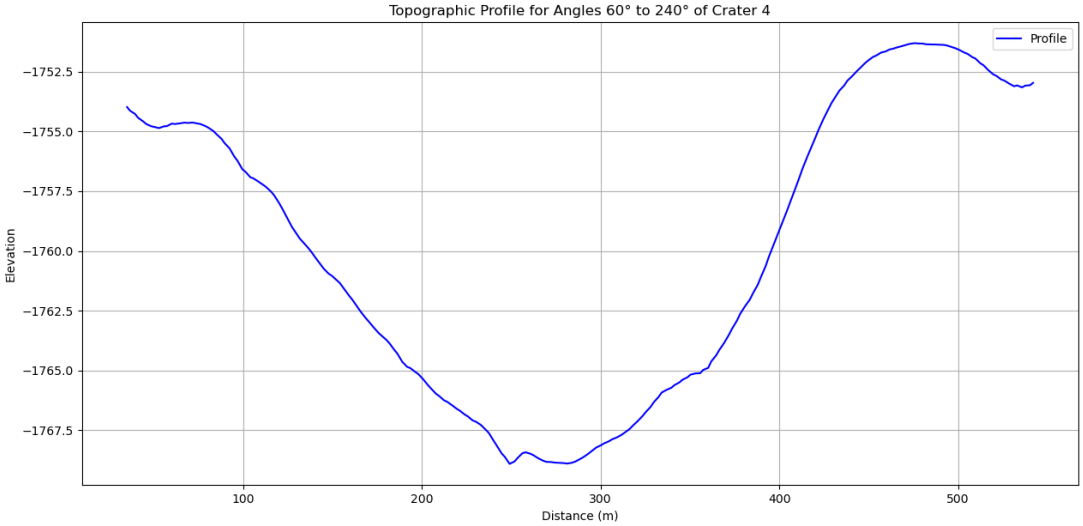
−1760.0
−1762.5
−1765.0
−1767.5
Elevation
100
200
300
400
500
Distance (m)


Topographic Profile for Angles 60° to 240° of Crater 4
Profile
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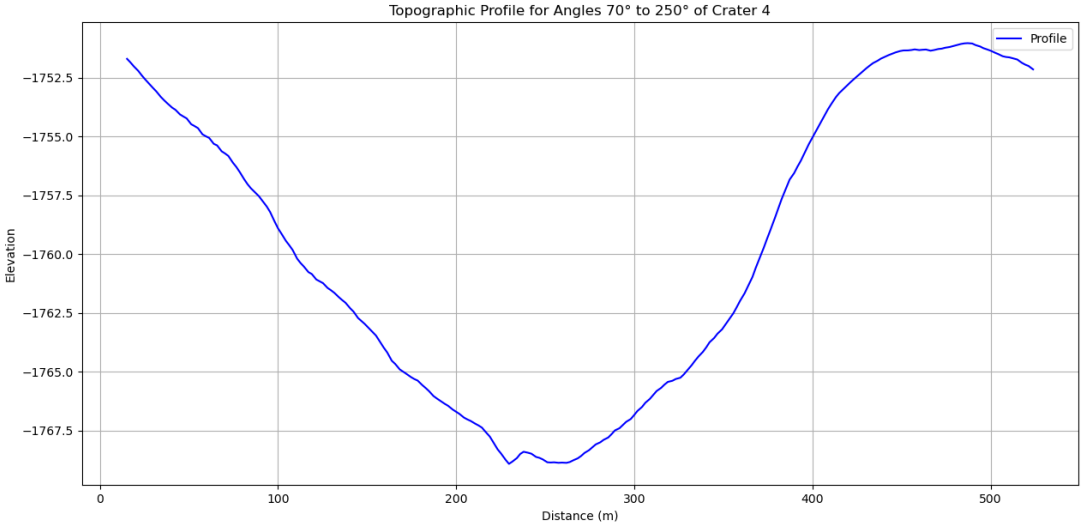
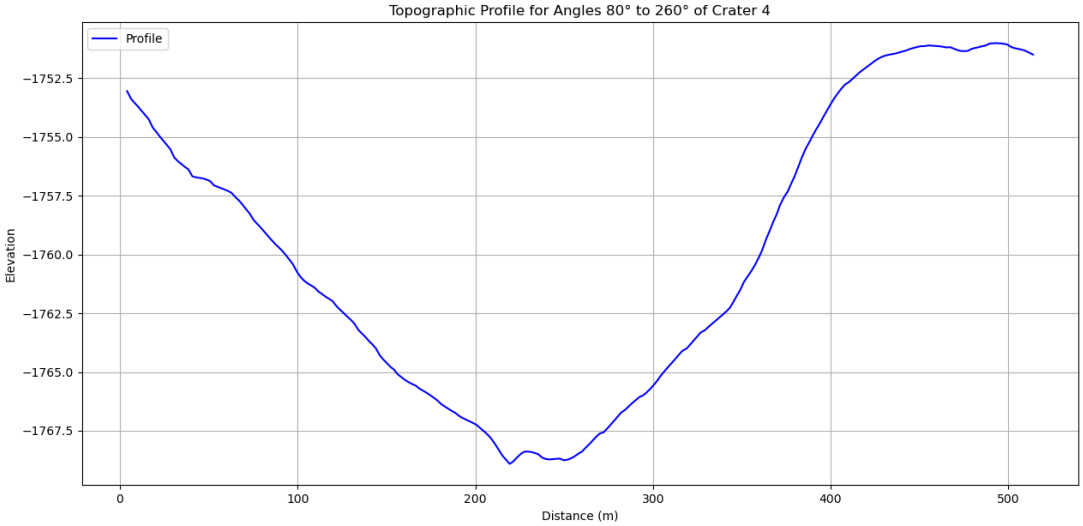
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
Elevation
100
200
300
400
500
Distance (m)


Topographic Profile for Angles 70° to 250° of Crater 4
Profile
Elevation
−1752.5
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
0
100
200
300
400
500
Distance (m)


Topographic Profile for Angles 80° to 260° of Crater 4
Profile
Elevation
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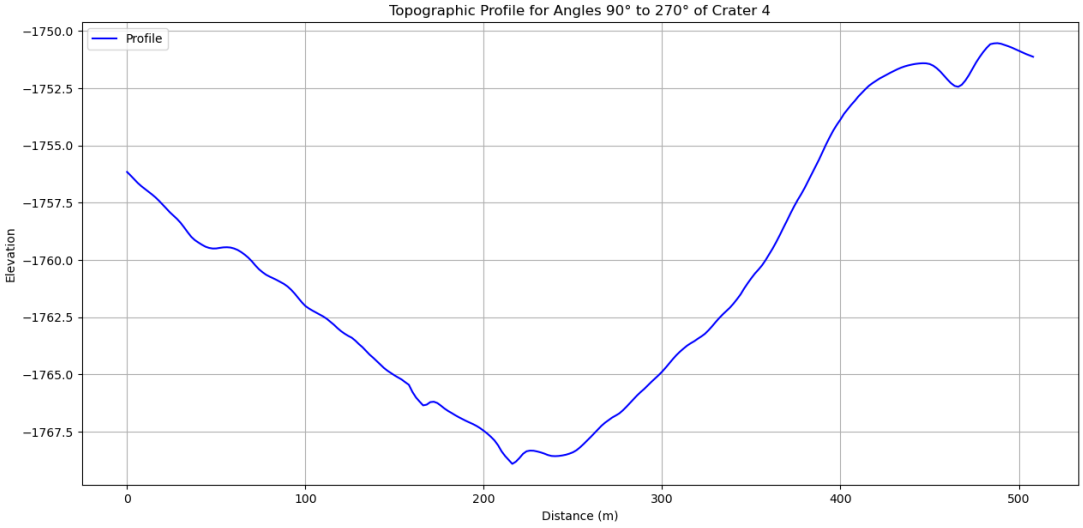
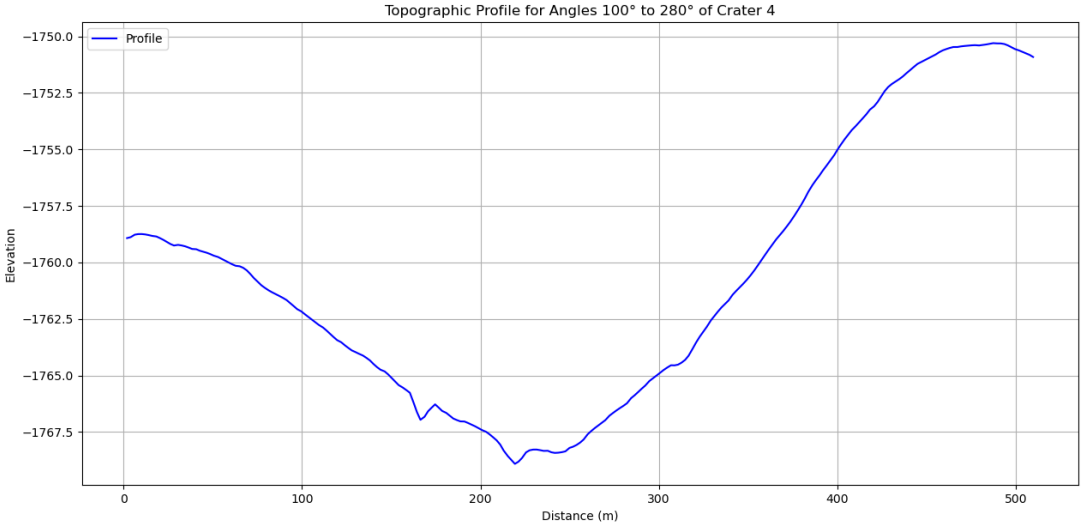
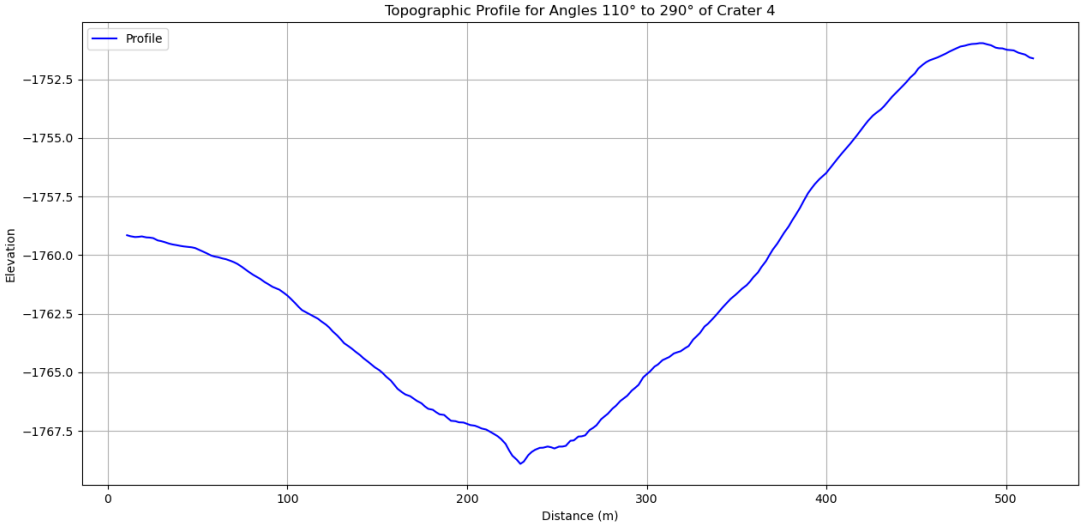
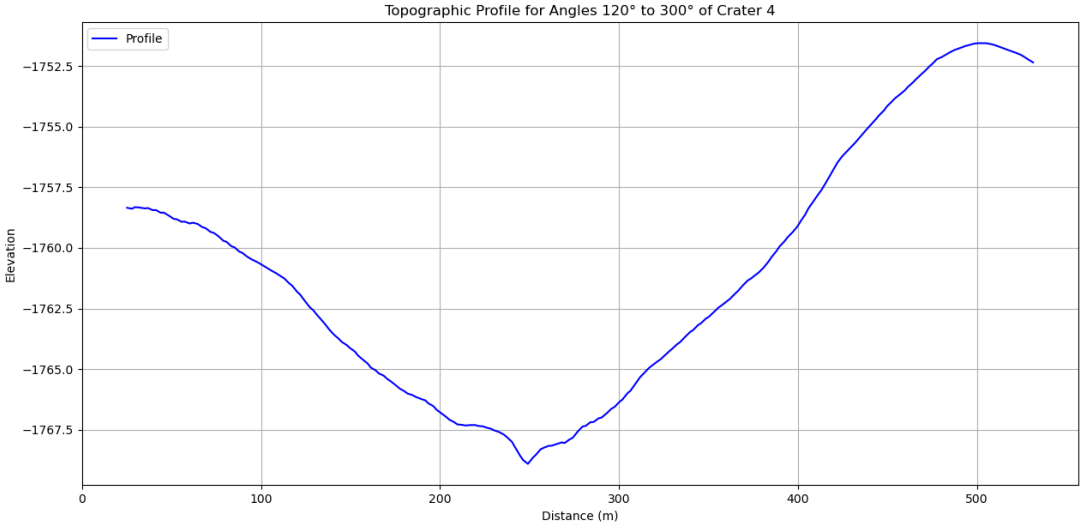
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
0
100
200
300
400
500
Distance (m)


Topographic Profile for Angles 90° to 270° of Crater 4
Profile
Elevation
−1750.0
−1752.5
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
0
100
200
300
400
500
Distance (m)


Topographic Profile for Angles 100° to 280° of Crater 4
Profile
Elevation
−1750.0
−1752.5
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
0
100
200
300
400
500
Distance (m)


Topographic Profile for Angles 110° to 290° of Crater 4
Profile
−1752.5
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
Elevation
0
100
200
300
400
500
Distance (m)


Topographic Profile for Angles 120° to 300° of Crater 4
Profile
−1752.5
−1755.0
−1757.5
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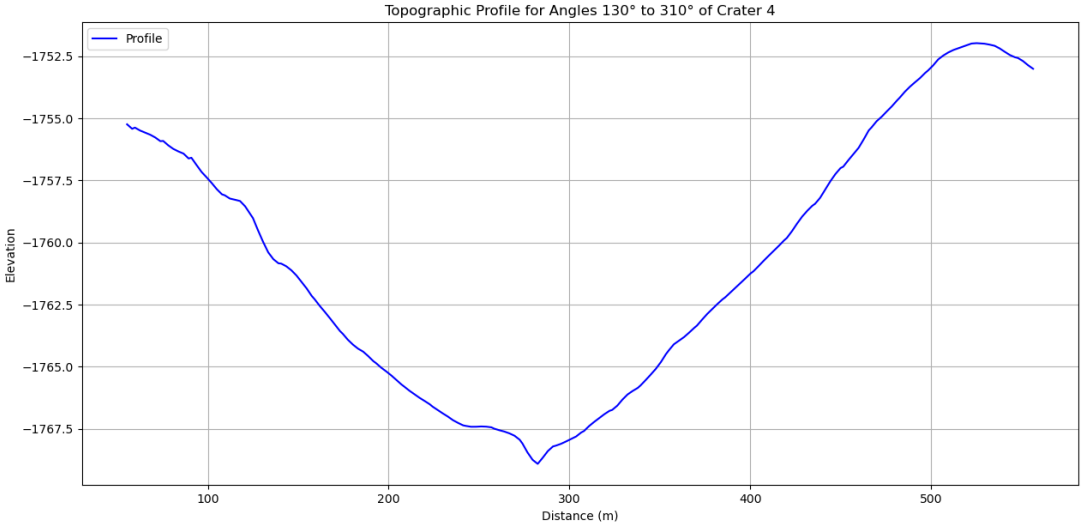
−1762.5
−1765.0
−1767.5
Elevation
0
100
200
300
400
500
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 4
Profile
−1752.5
−1755.0
−1757.5
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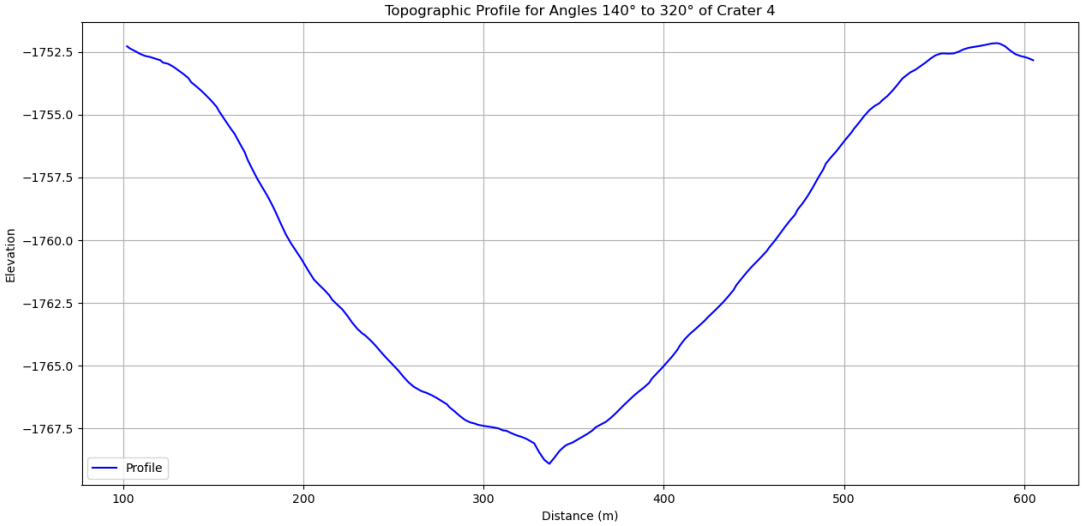
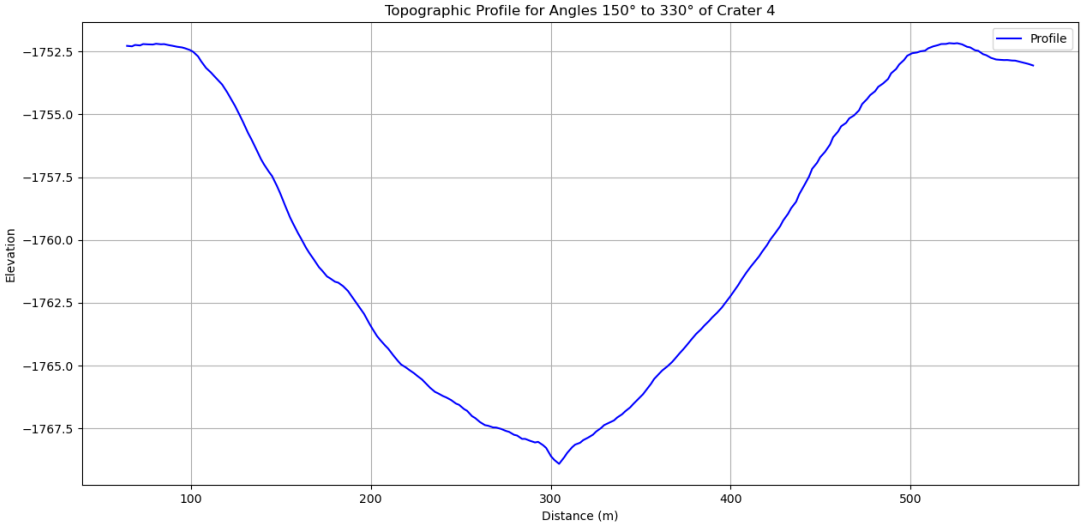
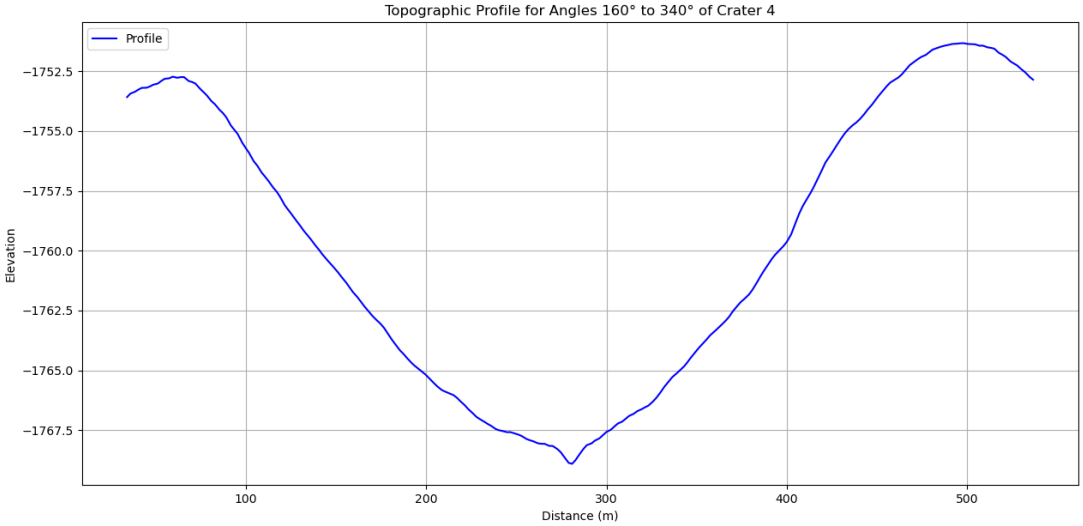
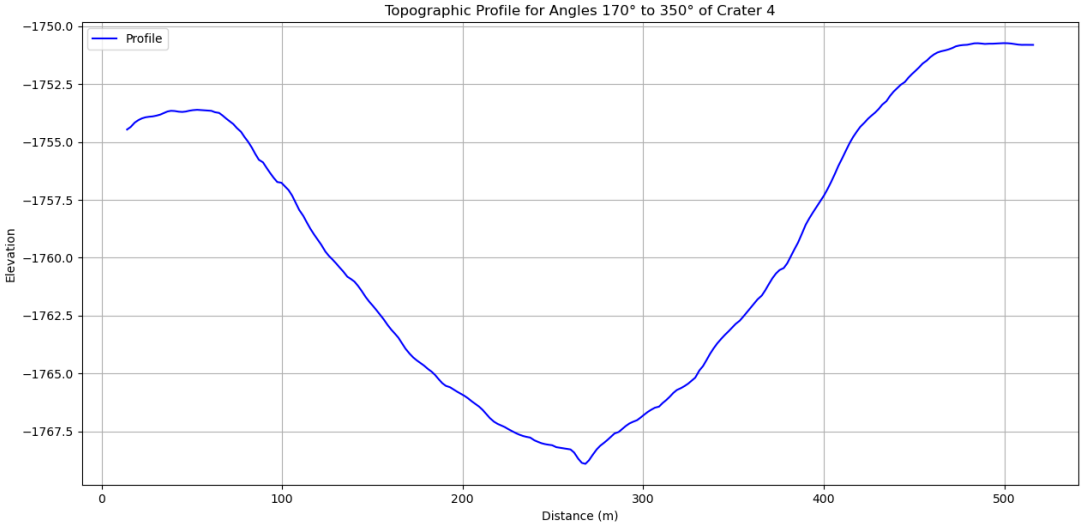
−1762.5
−1765.0
−1767.5
Elevation
100
200
300
400
500
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 4
−1752.5
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
Elevation
Profile
100
200
300
400
500
600
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 4
Profile
Elevation
−1752.5
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
100
200
300
400
500
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 4
Profile
Elevation
−1752.5
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
100
200
300
400
500
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 4
Profile
Elevation
Distance (m)
−1750.0
−1752.5
−1755.0
−1757.5
−1760.0
−1762.5
−1765.0
−1767.5
0
100
200
300
400
500