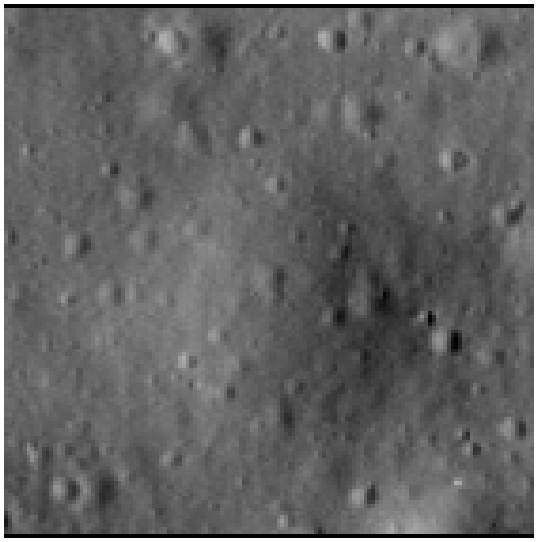
Crater report 578 of RG2

General information



ID : 578

Study area : RG2

Swirl : off-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 74m ± 4.0m

Mean depht : 2.9m ± 0.3m

d/D ratio : 0.039 ± 0.005

Circularity index : 0.92

Slope : Between 4.63° et 8.37°

Mean value of TRI on the rim crest : 0.15

Geometric center coordinates : (3657790.304812585, 231541.29851241154)

Coordinates of the crater's lowest point : (3657787.000001101, 231537.00000006836)

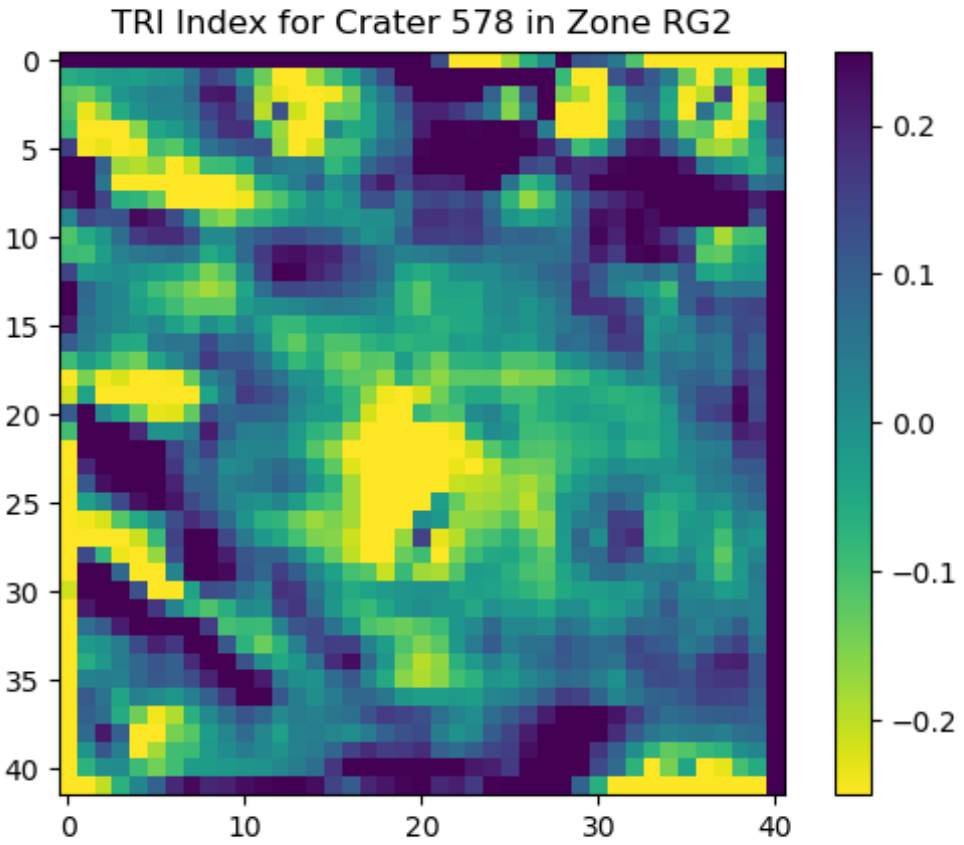
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	7.98	0.57
10°	8.08	0.55
20°	7.96	0.5
30°	8.07	0.46
40°	8.13	0.43
50°	8.37	0.43
60°	7.95	0.46
70°	7.33	0.51
80°	7.14	0.54
90°	7.8	0.57
100°	7.44	0.54
110°	7.57	0.51

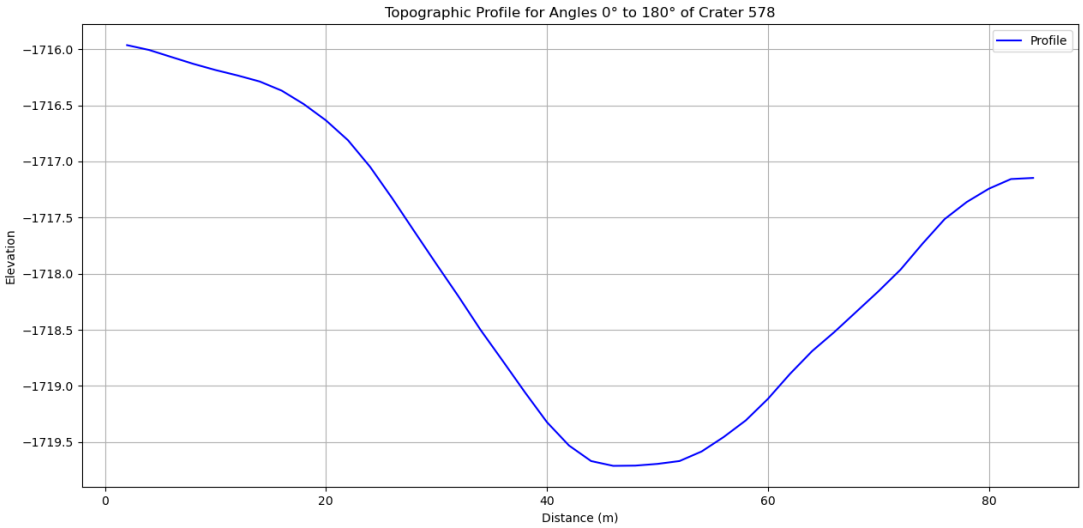
120°	7.34	0.48
130°	7.28	0.43
140°	6.84	0.43
150°	6.43	0.46
160°	5.8	0.5
170°	5.39	0.55
180°	5.62	0.57
190°	5.74	0.55
200°	5.63	0.51
210°	5.25	0.49
220°	5.32	0.4
230°	4.99	0.45
240°	4.63	0.48
250°	4.72	0.52
260°	5.02	0.54
270°	5.08	0.57
280°	5.61	0.54
290°	5.08	0.52
300°	4.72	0.49
310°	5.35	0.43
320°	5.99	0.4
330°	6.73	0.49
340°	7.45	0.52
350°	7.56	0.55

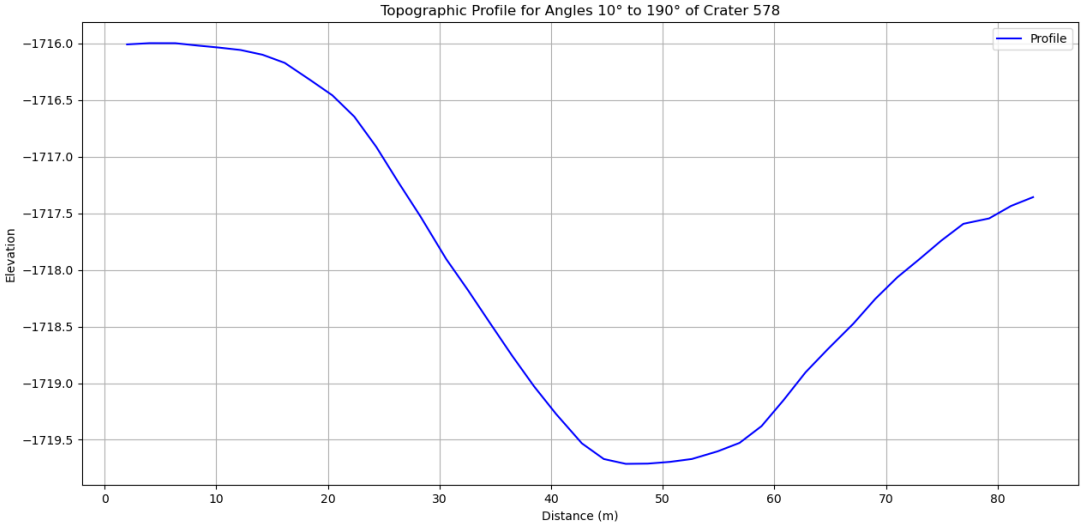
Topographic roughness index (TRI)

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 578
Profile
Elevation
Distance (m)
−1716.0
−1716.5
−1717.0
−1717.5
−1718.0
−1718.5
−1719.0
−1719.5
0
10
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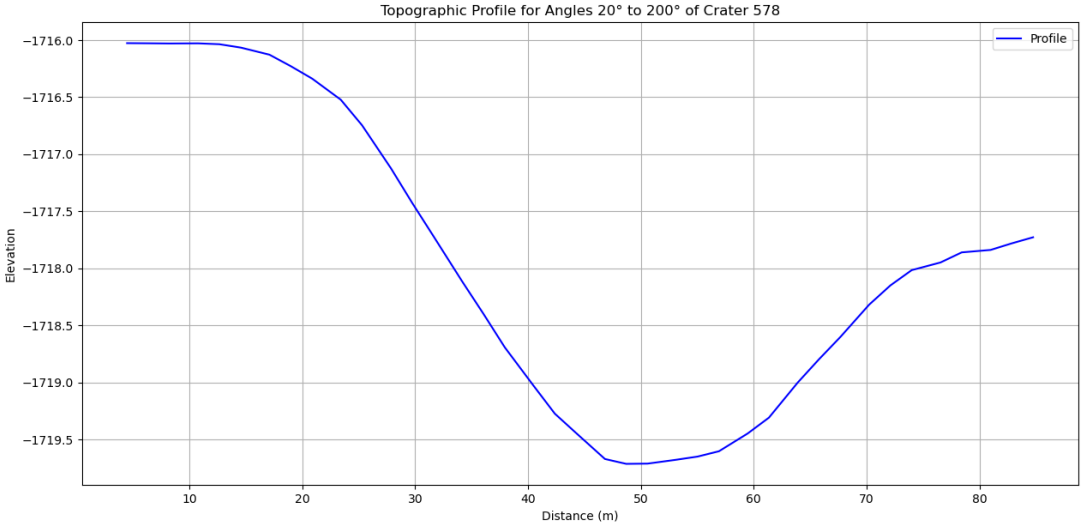
70
80


Topographic Profile for Angles 20° to 200° of Crater 578
Profile
Elevation
Distance (m)
−1716.0
−1716.5
−1717.0
−1717.5
−1718.0
−1718.5
−1719.0
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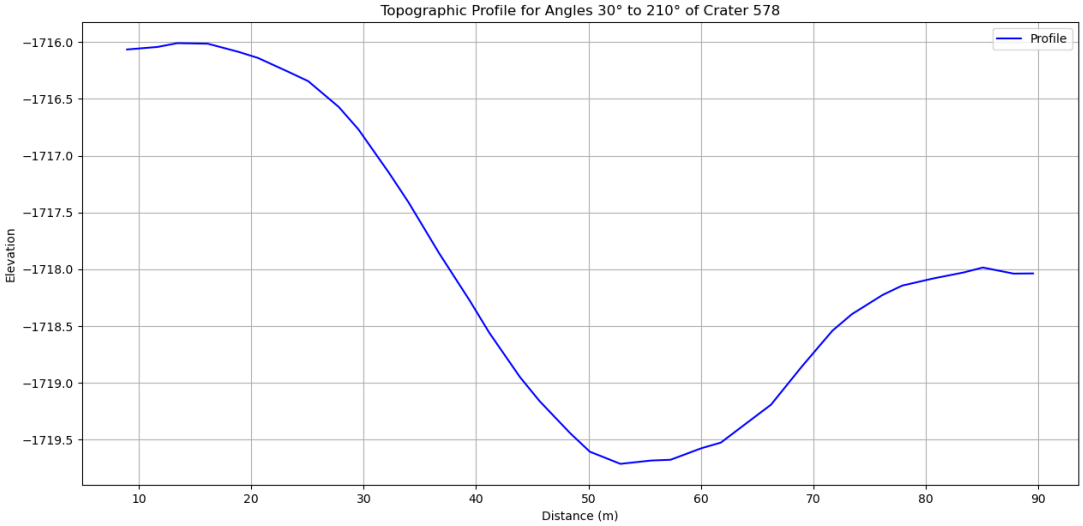
50
60
70
80


Topographic Profile for Angles 30° to 210° of Crater 578
Profile
Elevation
Distance (m)
−1716.0
−1716.5
−1717.0
−1717.5
−1718.0
−1718.5
−1719.0
−1719.5
10
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40
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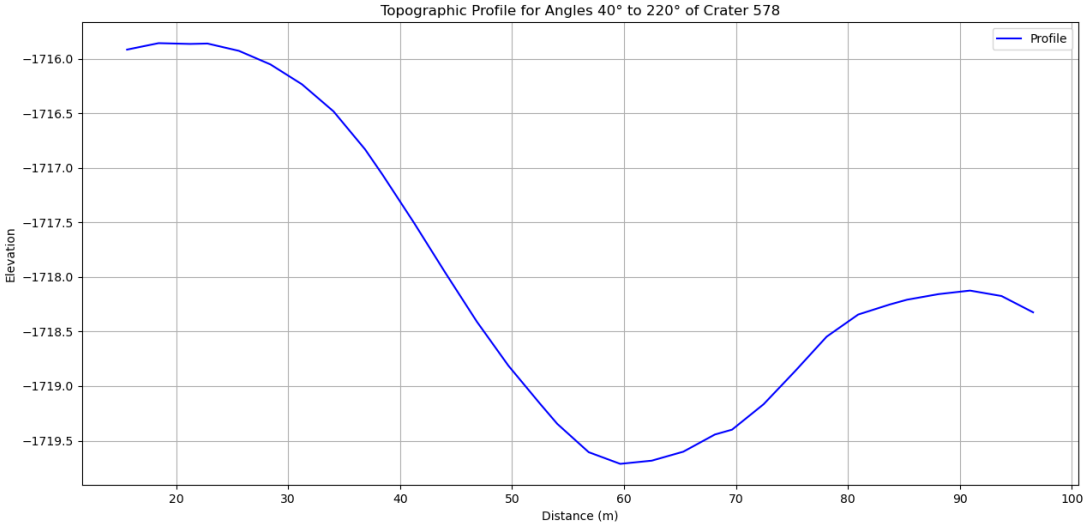
60
70
80
90


Topographic Profile for Angles 40° to 220° of Crater 578
Profile
Elevation
Distance (m)
−1716.0
−1716.5
−1717.0
−1717.5
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−1718.5
−1719.0
−1719.5
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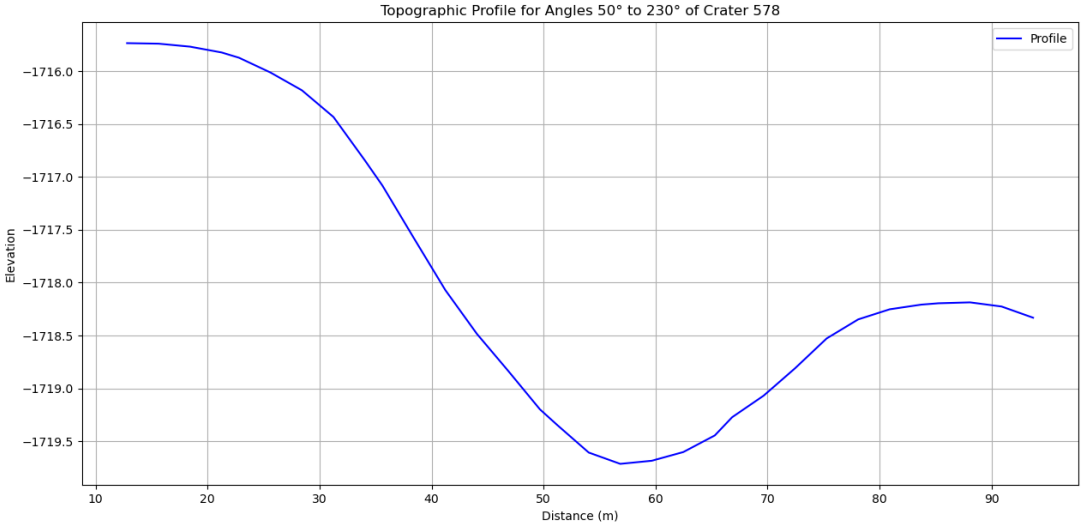
60
70
80
90
100


Topographic Profile for Angles 50° to 230° of Crater 578
Profile
Elevation
−1716.0
−1716.5
−1717.0
−1717.5
−1718.0
−1718.5
−1719.0
−1719.5
10
20
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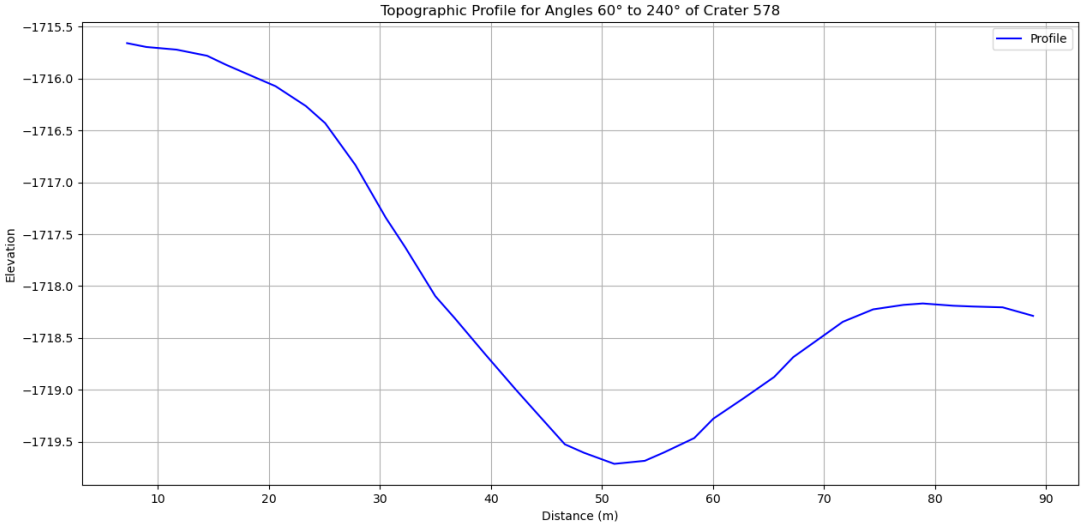
60
70
80
90
Distance (m)


Topographic Profile for Angles 60° to 240° of Crater 578
Profile
Elevation
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−1716.0
−1716.5
−1717.0
−1717.5
−1718.0
−1718.5
−1719.0
−1719.5
10
20
30
40
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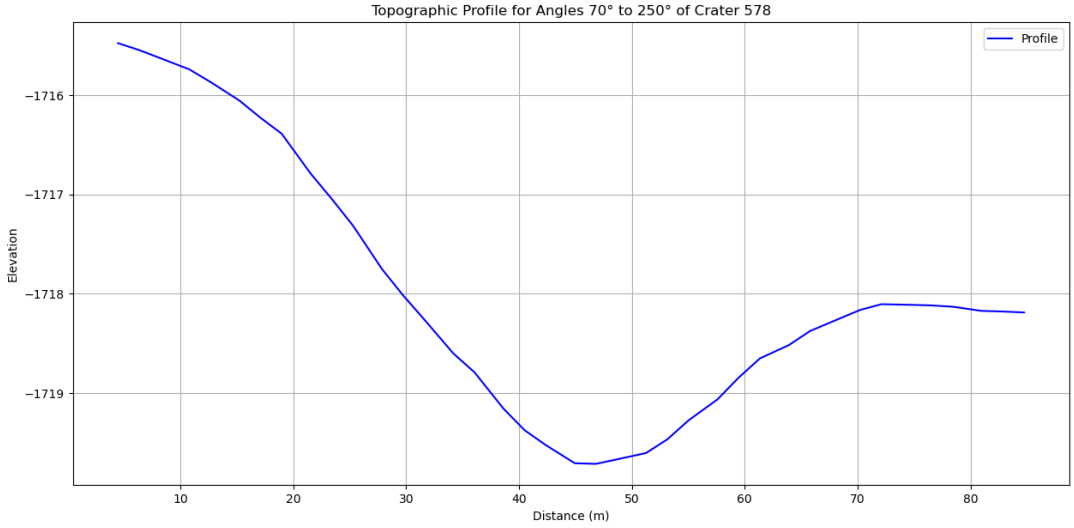
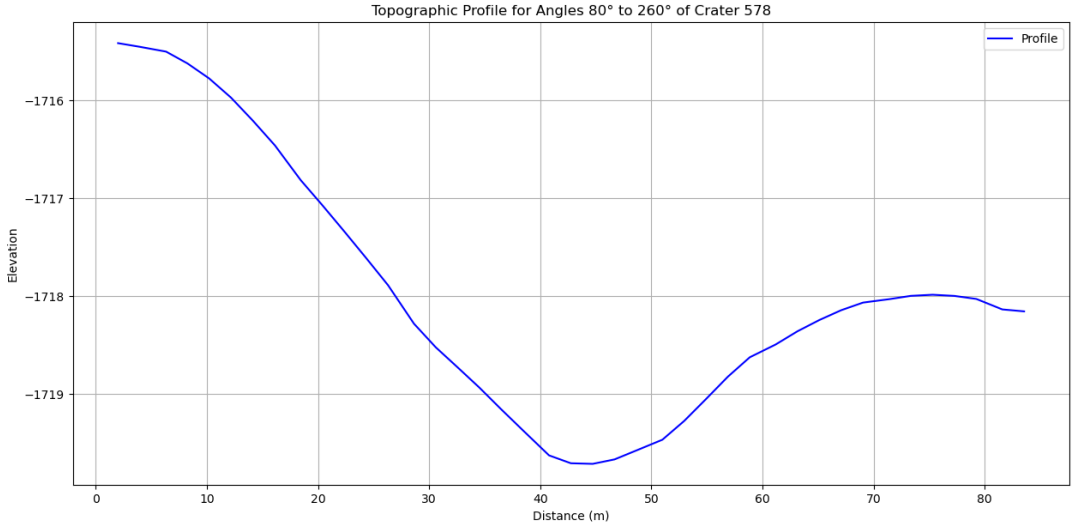
60
70
80
90
Distance (m)


Topographic Profile for Angles 70° to 250° of Crater 578
Profile
Elevation
−1716
−1717
−1718
−1719
10
20
30
40
50
60
70
80
Distance (m)


Topographic Profile for Angles 80° to 260° of Crater 578
Profile
Elevation
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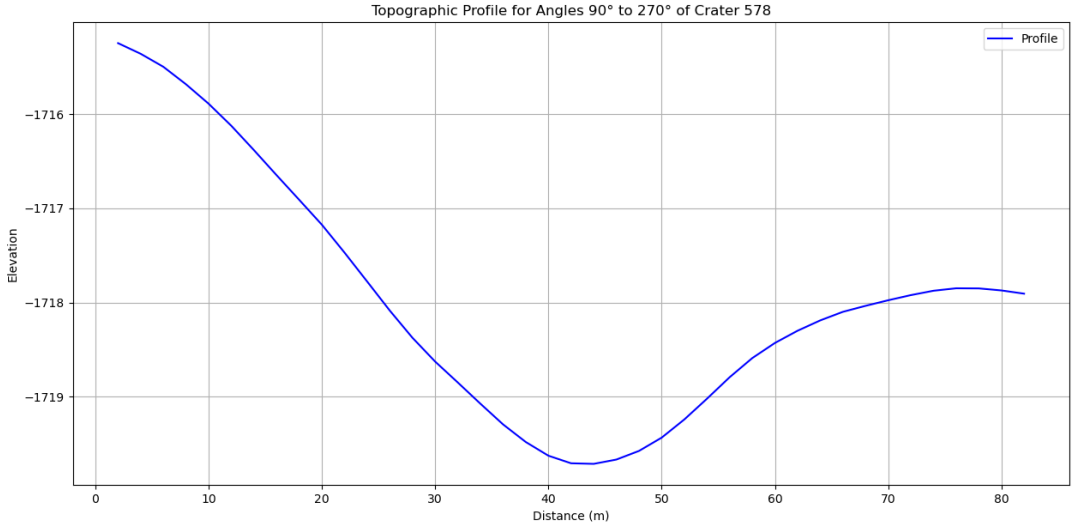
−1717
−1718
−1719
0
10
20
30
40
50
60
70
80
Distance (m)


Topographic Profile for Angles 90° to 270° of Crater 578
Profile
Elevation
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−1717
−1718
−1719
0
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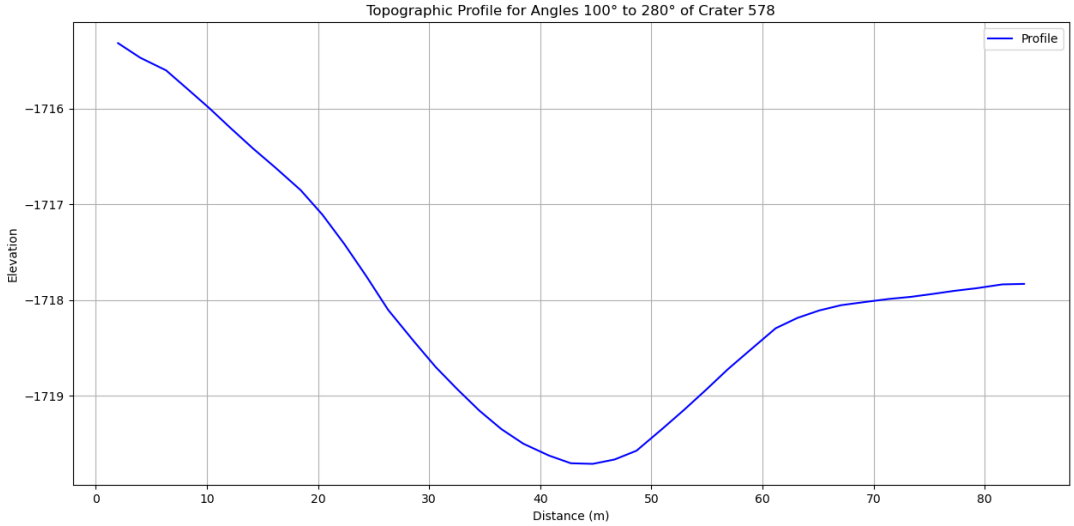
70
80
Distance (m)


Topographic Profile for Angles 100° to 280° of Crater 578
Profile
Elevation
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−1717
−1718
−1719
0
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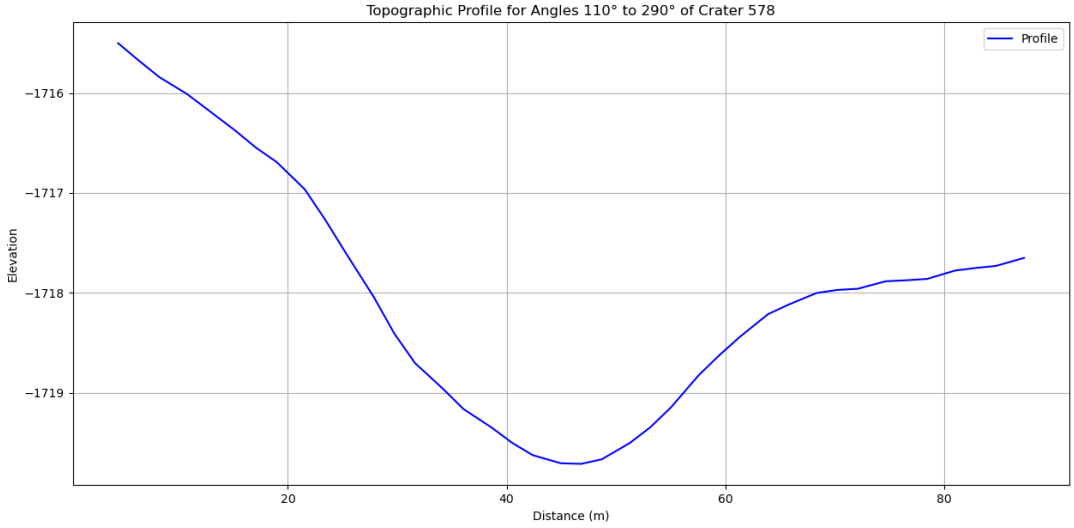
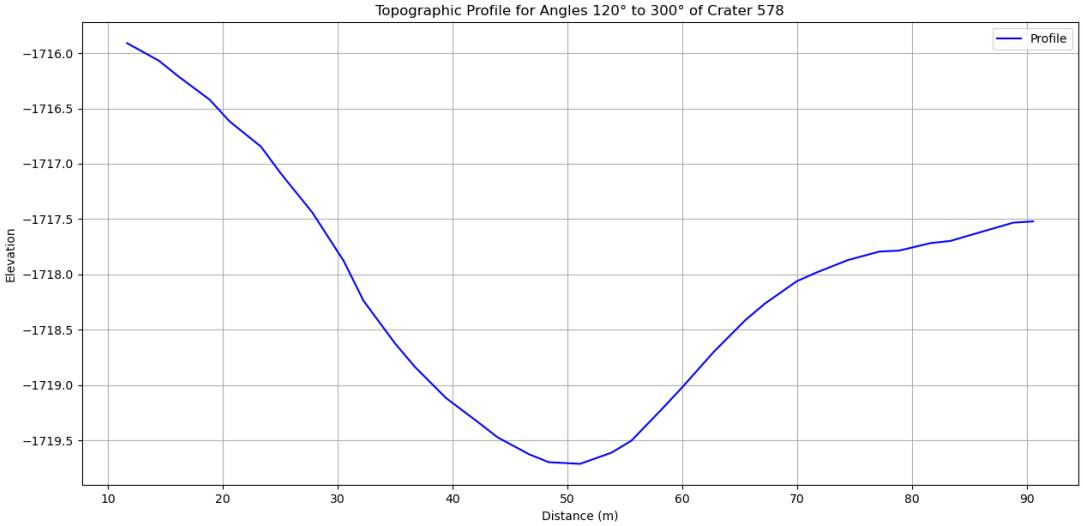
70
80
Distance (m)


Topographic Profile for Angles 110° to 290° of Crater 578
Profile
Elevation
−1716
−1717
−1718
−1719
20
40
60
80
Distance (m)


Topographic Profile for Angles 120° to 300° of Crater 578
Profile
Elevation
−1716.0
−1716.5
−1717.0
−1717.5
−1718.0
−1718.5
−1719.0
−1719.5
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80
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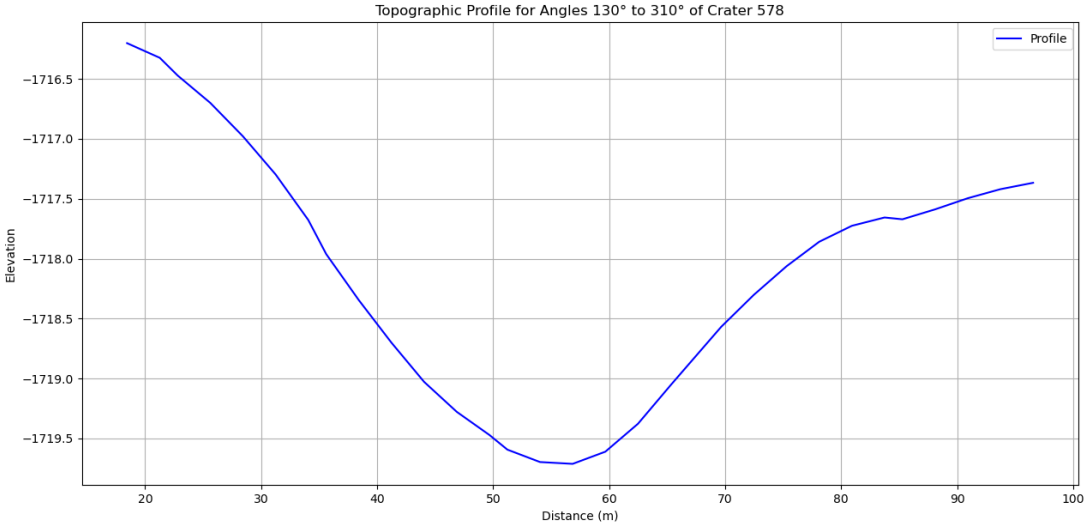
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 578
Profile
Elevation
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−1717.0
−1717.5
−1718.0
−1718.5
−1719.0
−1719.5
20
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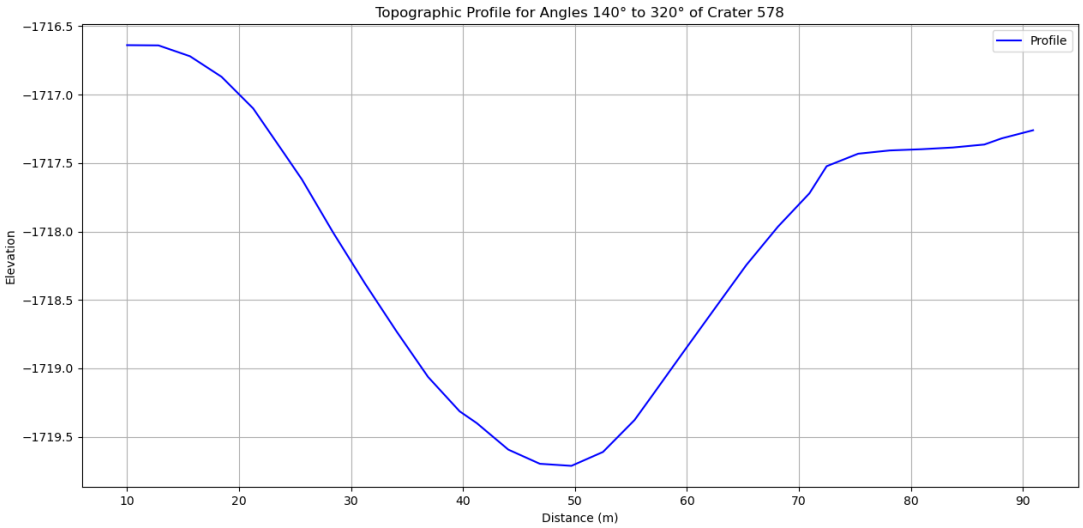
80
90
100
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 578
Profile
Elevation
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−1717.0
−1717.5
−1718.0
−1718.5
−1719.0
−1719.5
10
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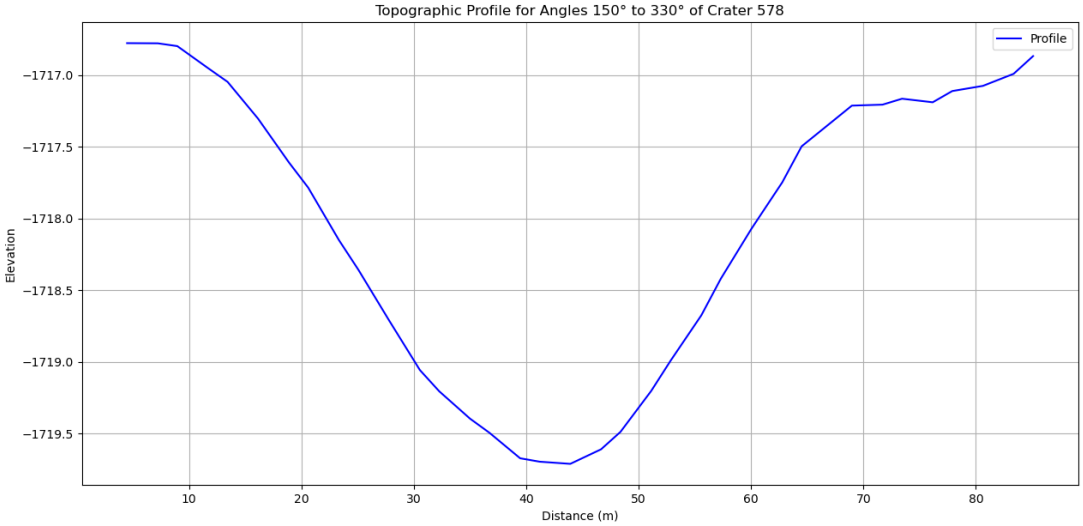
80
90
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 578
Profile
Elevation
−1717.0
−1717.5
−1718.0
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−1719.0
−1719.5
10
20
30
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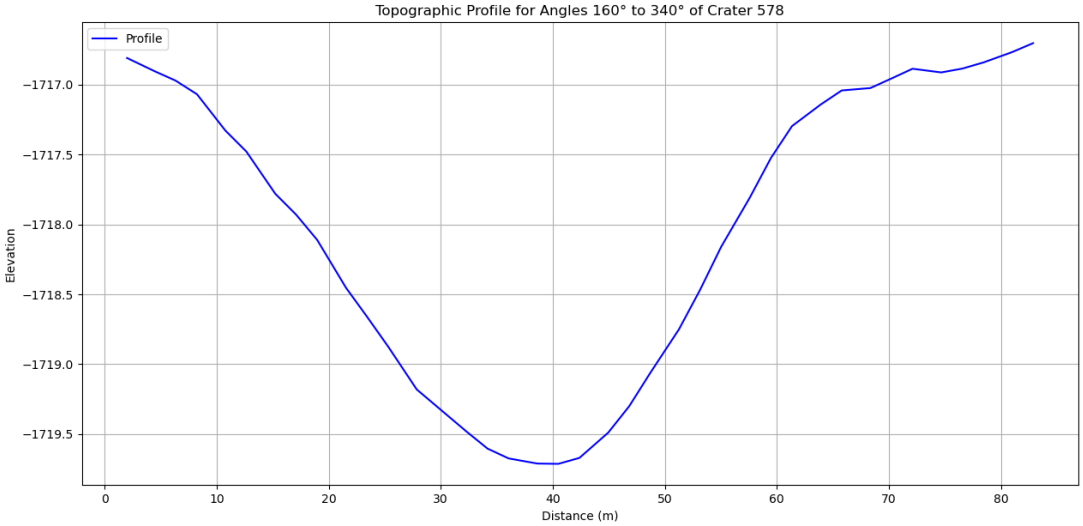
70
80
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 578
Profile
Elevation
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−1717.5
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0
10
20
30
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50
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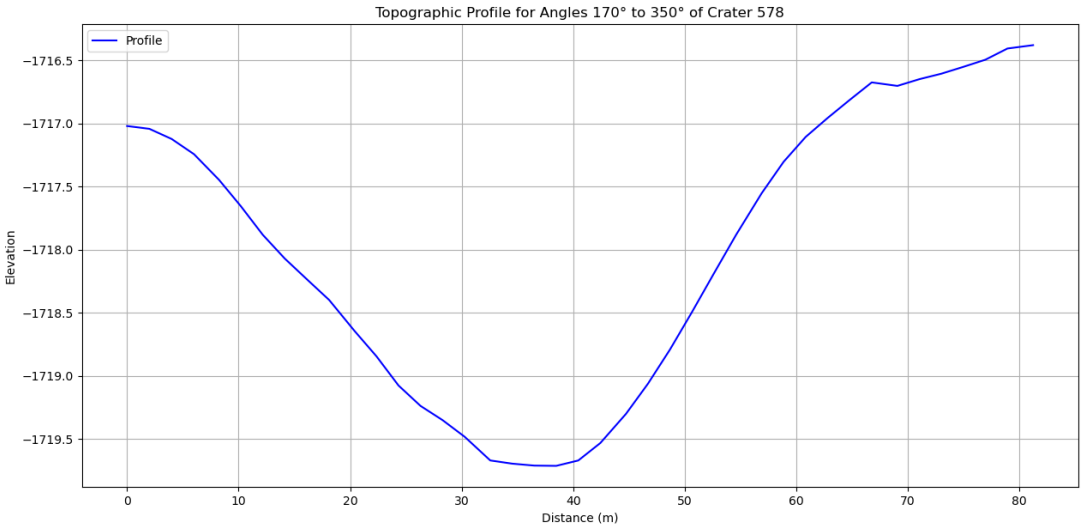
80
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 578
Profile
Elevation
−1716.5
−1717.0
−1717.5
−1718.0
−1718.5
−1719.0
−1719.5
0
10
20
30
40
50
60
70
80
Distance (m)