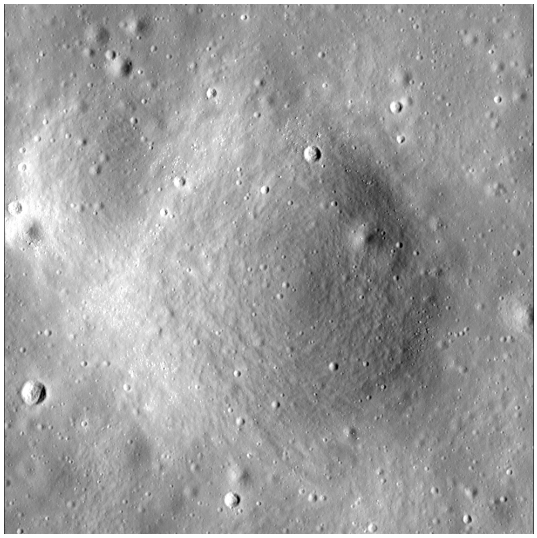
Crater report 1351 of RG2

General information



ID : 1351

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 546m ± 23.0m

Mean depht : 36.0m ± 1.0m

d/D ratio : 0.066 ± 0.003

Circularity index : 0.92

Mean slope : 8.17°

Mean value of TRI on the rim crest : 0.31

Geometric center coordinates : (3655566.0339643406, 224522.13503513462)

Coordinates of the crater's lowest point : (3655597.0000011, 224519.00000006624)

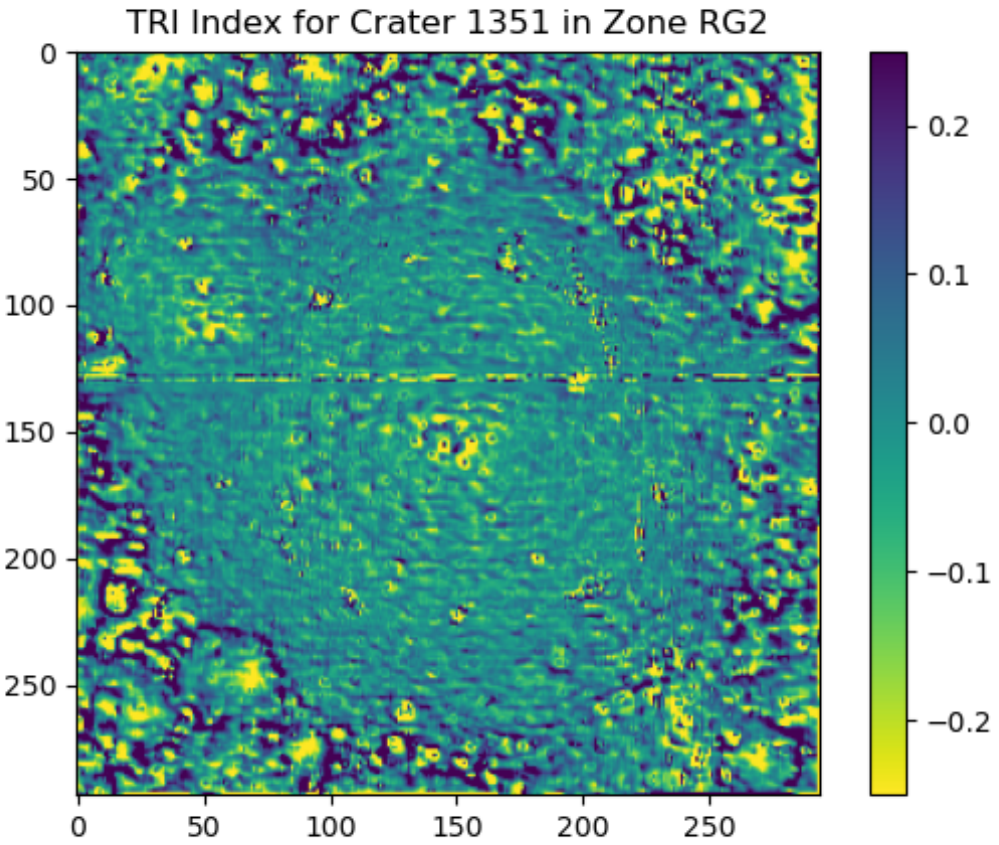
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	9.6	0.57
10°	9.37	0.54
20°	9.14	0.51
30°	9.04	0.48
40°	9.47	0.43
50°	9.48	0.43
60°	8.73	0.48
70°	8.2	0.52
80°	7.55	0.54
90°	7.92	0.57
100°	7.31	0.55
110°	7.46	0.52

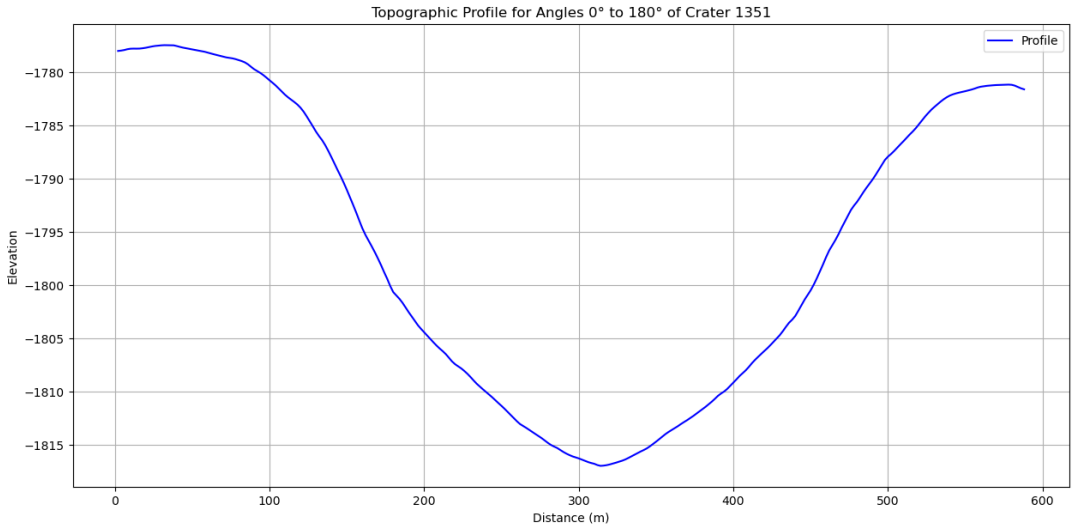
120°	7.62	0.48
130°	7.63	0.43
140°	7.32	0.43
150°	7.2	0.48
160°	7.6	0.51
170°	8.04	0.54
180°	8.82	0.57
190°	8.32	0.54
200°	8.25	0.51
210°	8.11	0.48
220°	8.51	0.43
230°	8.65	0.43
240°	8.36	0.48
250°	8.15	0.51
260°	8.41	0.54
270°	8.61	0.57
280°	7.46	0.54
290°	6.05	0.51
300°	5.29	0.48
310°	7.0	0.43
320°	8.54	0.43
330°	8.88	0.48
340°	8.98	0.51
350°	9.06	0.54

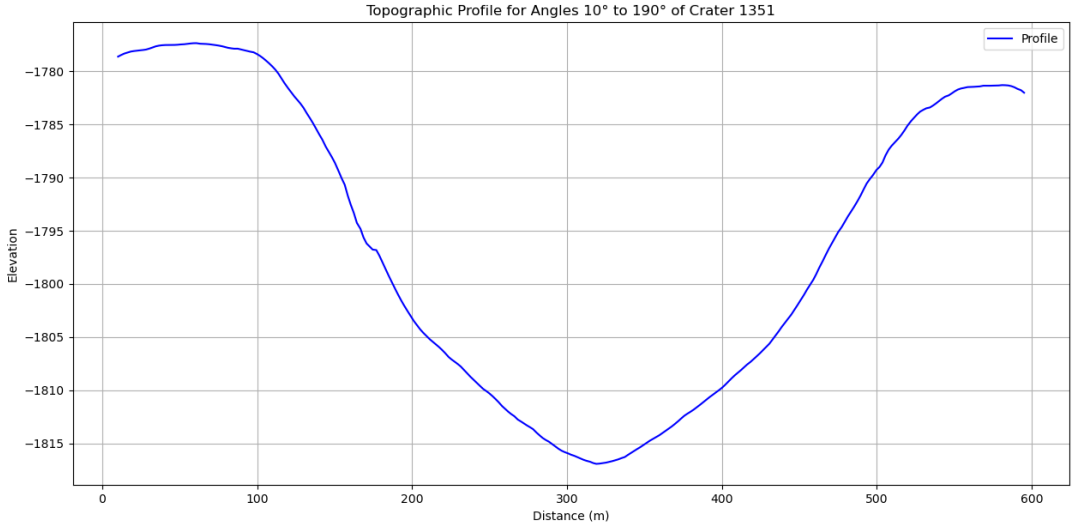
Topographic roughness index (TRI)

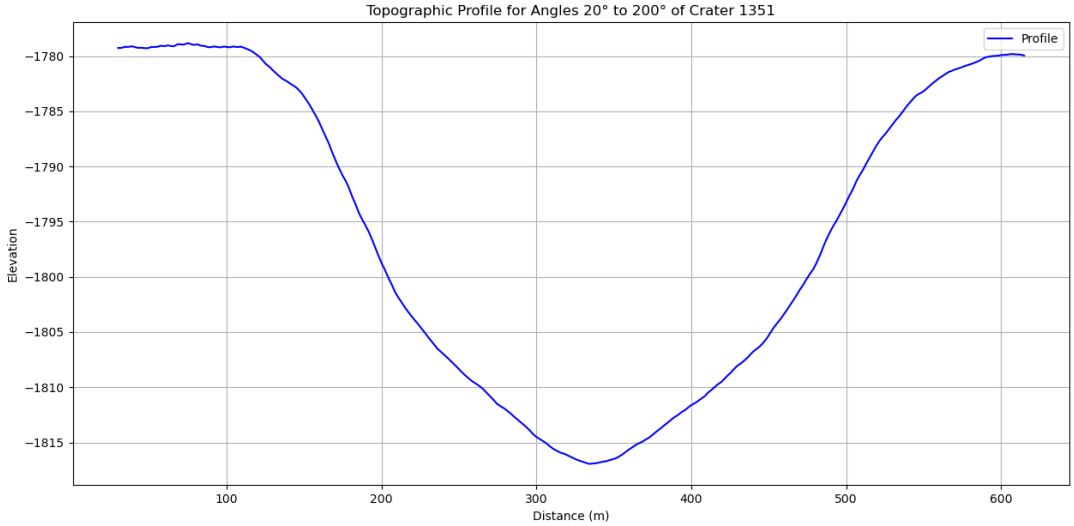
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

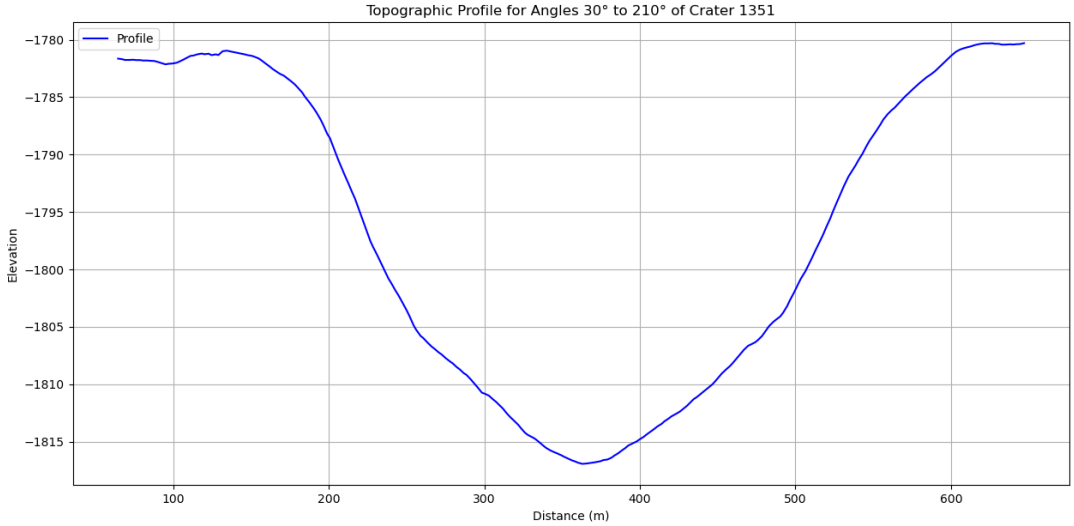


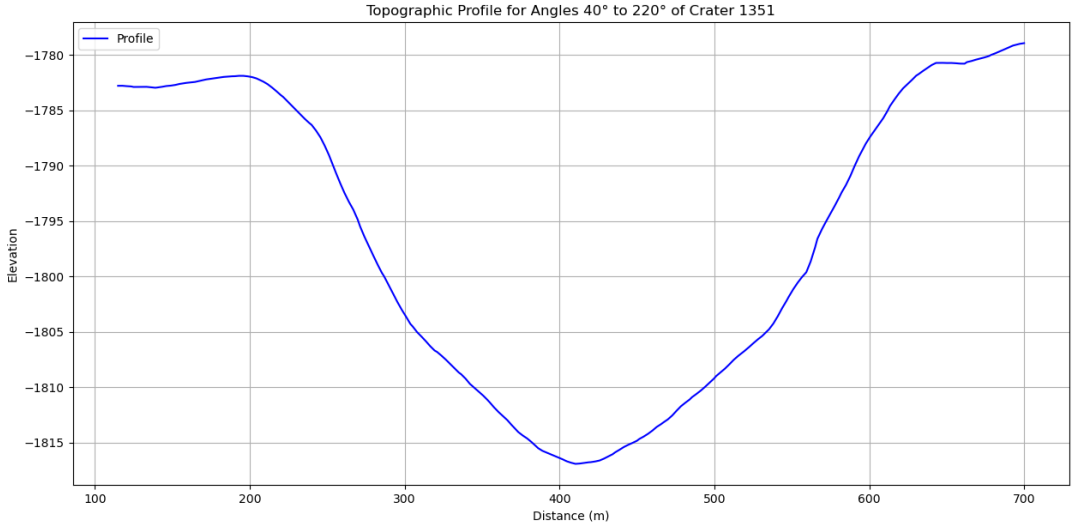
Topographic profiles

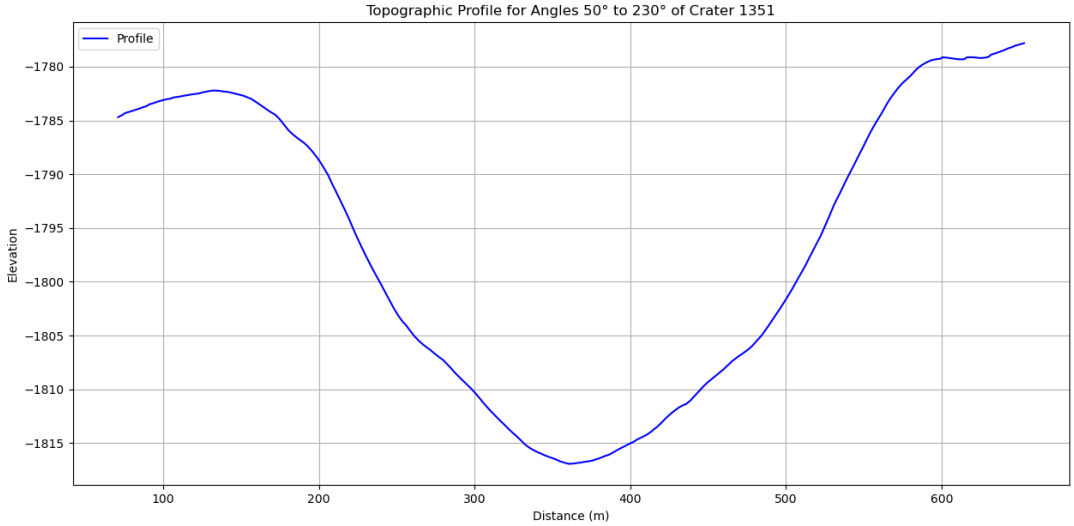


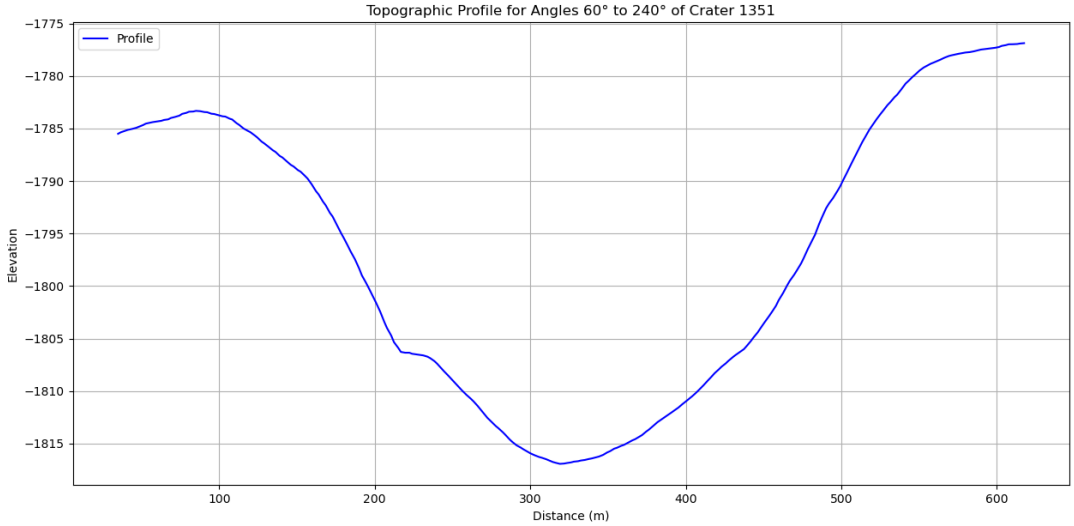

Topographic Profile for Angles 10° to 190° of Crater 1351
Profile
Elevation
−1780
−1785
−1790
−1795
−1800
−1805
−1810
−1815
0
100
200
300
400
500
600
Distance (m)

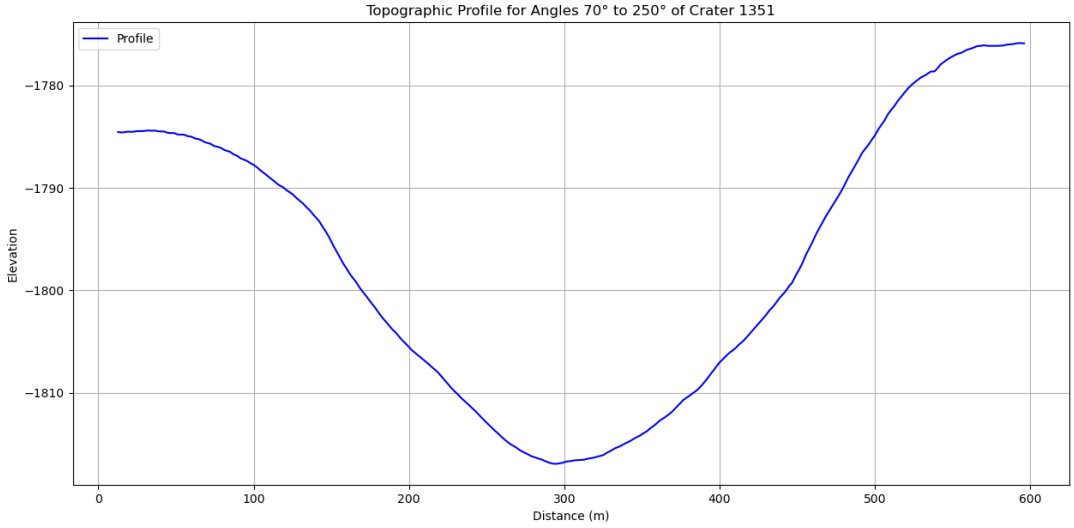

Topographic Profile for Angles 20° to 200° of Crater 1351
Profile
Elevation
−1780
−1785
−1790
−1795
−1800
−1805
−1810
−1815
100
200
300
400
500
600
Distance (m)

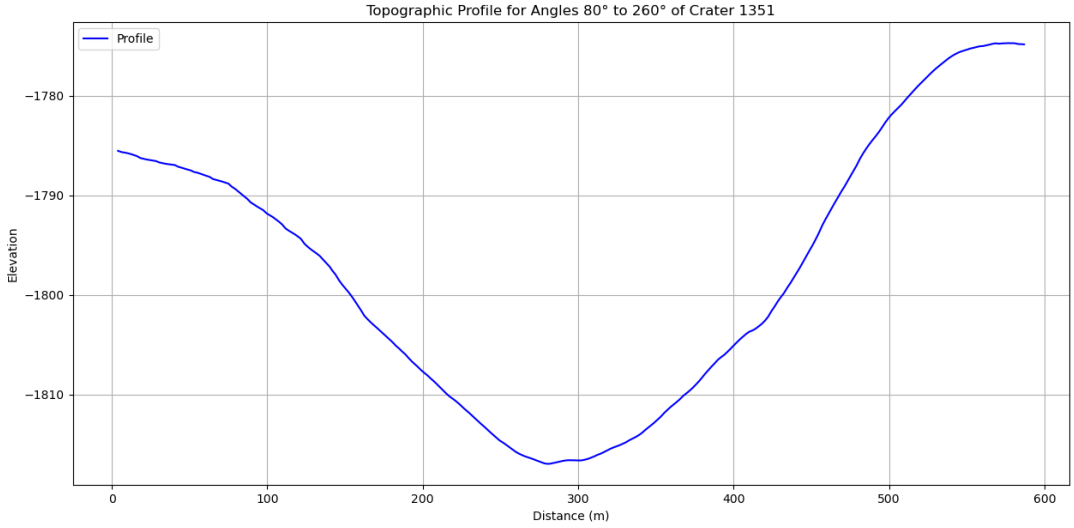

Topographic Profile for Angles 30° to 210° of Crater 1351
Profile
Elevation
Distance (m)
−1780
−1785
−1790
−1795
−1800
−1805
−1810
−1815
100
200
300
400
500
600

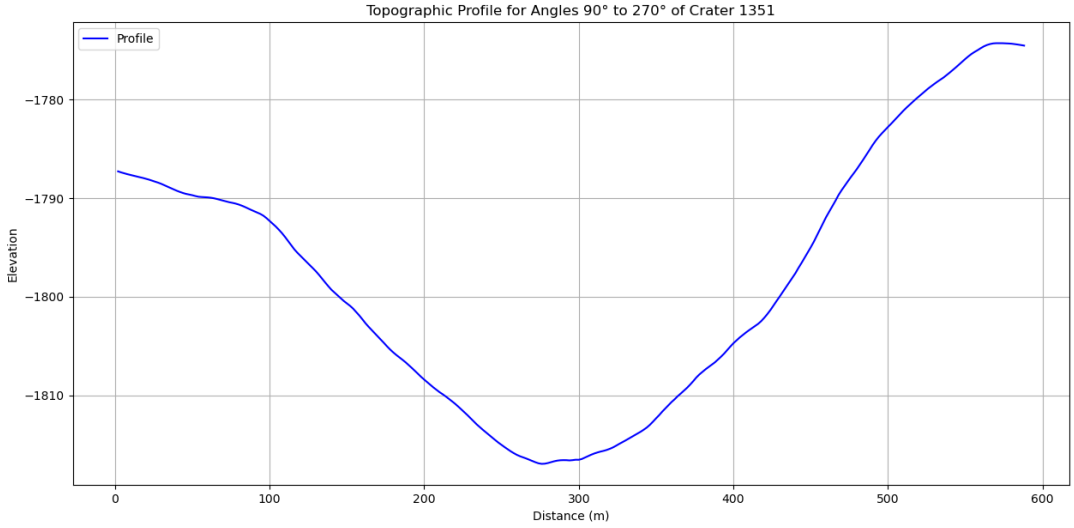

Topographic Profile for Angles 40° to 220° of Crater 1351
Profile
Elevation
Distance (m)
−1780
−1785
−1790
−1795
−1800
−1805
−1810
−1815
100
200
300
400
500
600
700

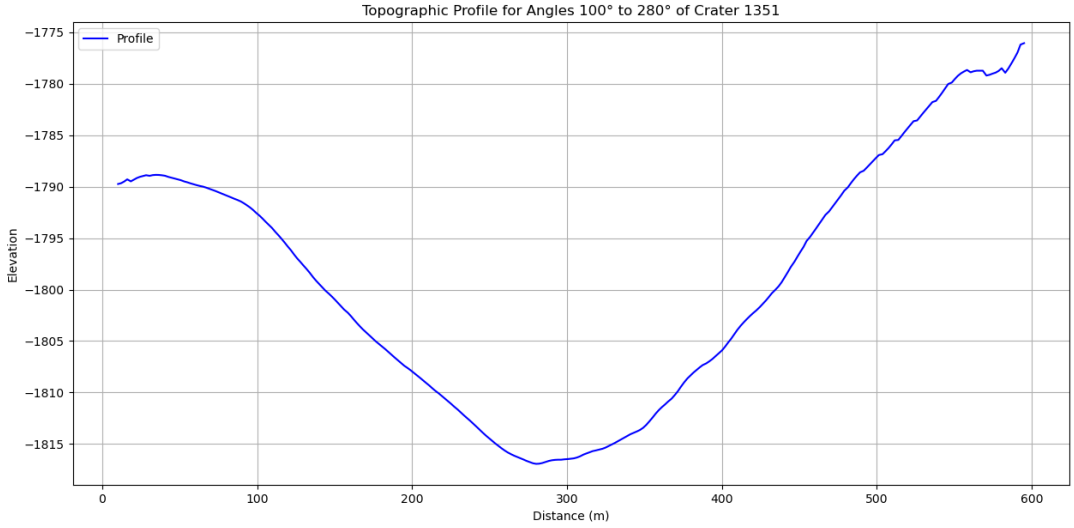

Topographic Profile for Angles 50° to 230° of Crater 1351
Profile
Elevation
Distance (m)
−1780
−1785
−1790
−1795
−1800
−1805
−1810
−1815
100
200
300
400
500
600

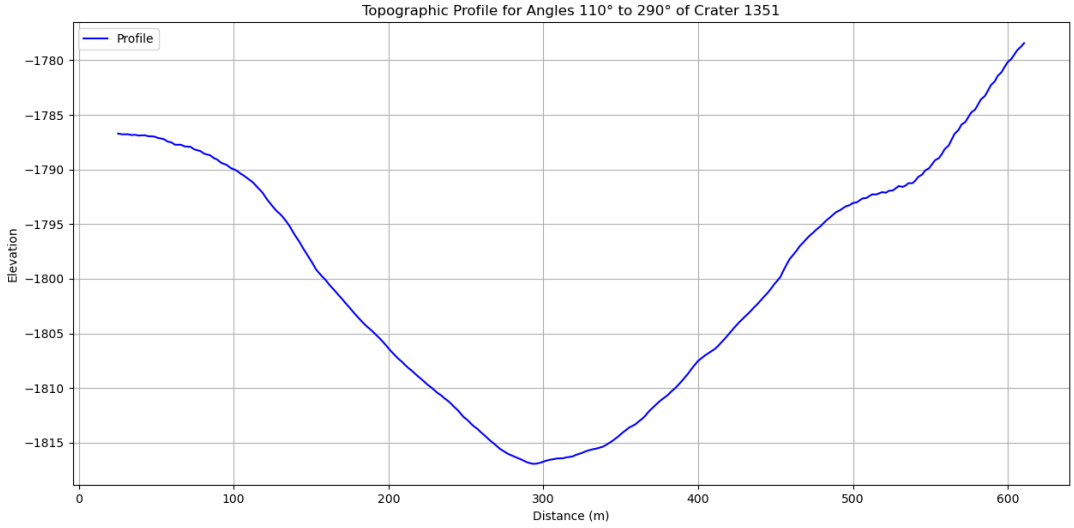

Topographic Profile for Angles 60° to 240° of Crater 1351
Profile
Elevation
Distance (m)
−1775
−1780
−1785
−1790
−1795
−1800
−1805
−1810
−1815
100
200
300
400
500
600


Topographic Profile for Angles 70° to 250° of Crater 1351
Profile
Elevation
−1780
−1790
−1800
−1810
0
100
200
300
400
500
600
Distance (m)


Topographic Profile for Angles 80° to 260° of Crater 1351
Profile
Elevation
−1780
−1790
−1800
−1810
0
100
200
300
400
500
600
Distance (m)


Topographic Profile for Angles 90° to 270° of Crater 1351
Profile
Elevation
−1780
−1790
−1800
−1810
0
100
200
300
400
500
600
Distance (m)


Topographic Profile for Angles 100° to 280° of Crater 1351
Profile
Elevation
−1775
−1780
−1785
−1790
−1795
−1800
−1805
−1810
−1815
0
100
200
300
400
500
600
Distance (m)


Topographic Profile for Angles 110° to 290° of Crater 1351
Profile
Elevation
Distance (m)
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−1785
−1790
−1795
−1800
−1805
−1810
−1815
0
100
200
300
400
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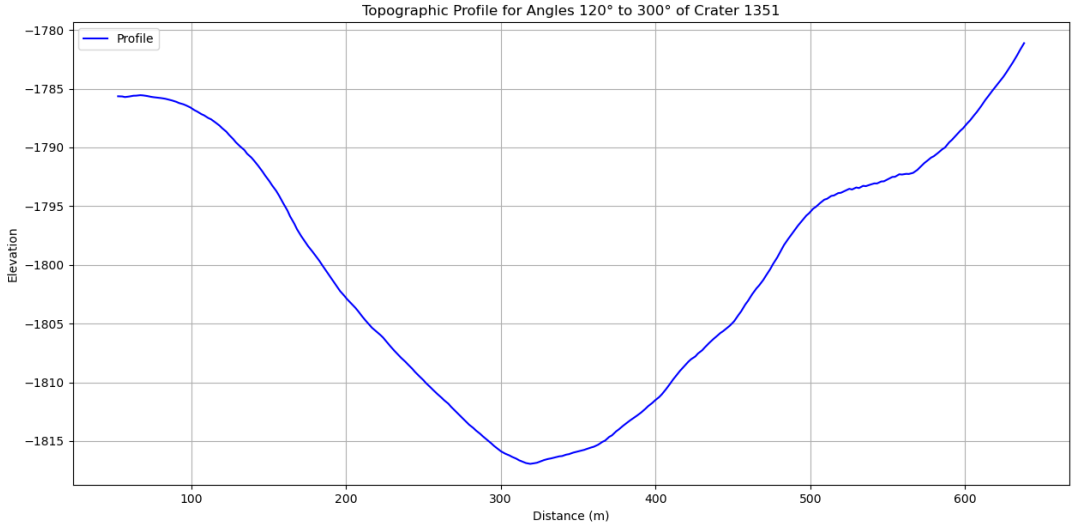
Topographic Profile for Angles 120° to 300° of Crater 1351
Profile
Elevation
Distance (m)
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−1785
−1790
−1795
−1800
−1805
−1810
−1815
100
200
300
400
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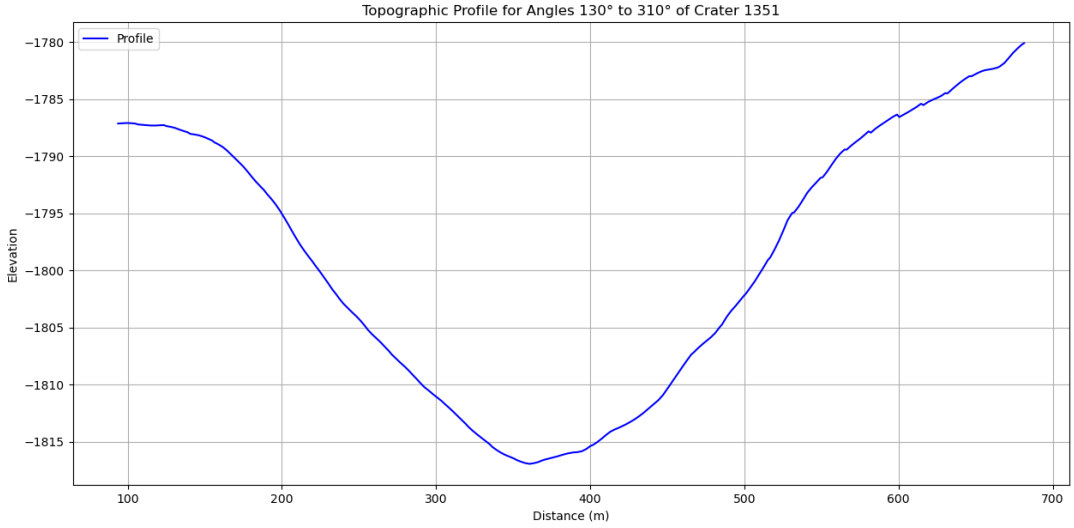
Topographic Profile for Angles 130° to 310° of Crater 1351
Profile
Elevation
Distance (m)
−1780
−1785
−1790
−1795
−1800
−1805
−1810
−1815
100
200
300
400
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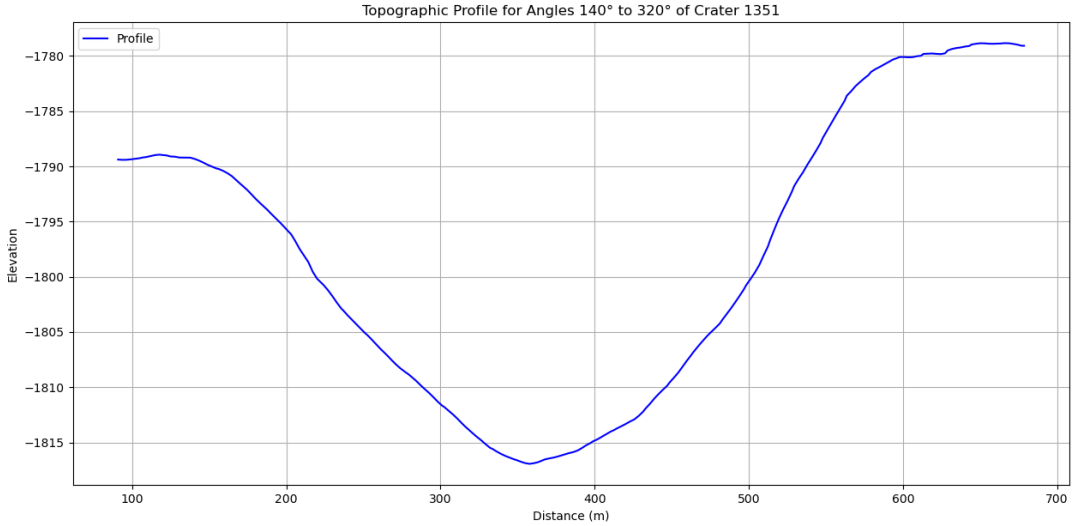
600
700


Topographic Profile for Angles 140° to 320° of Crater 1351
Profile
Elevation
Distance (m)
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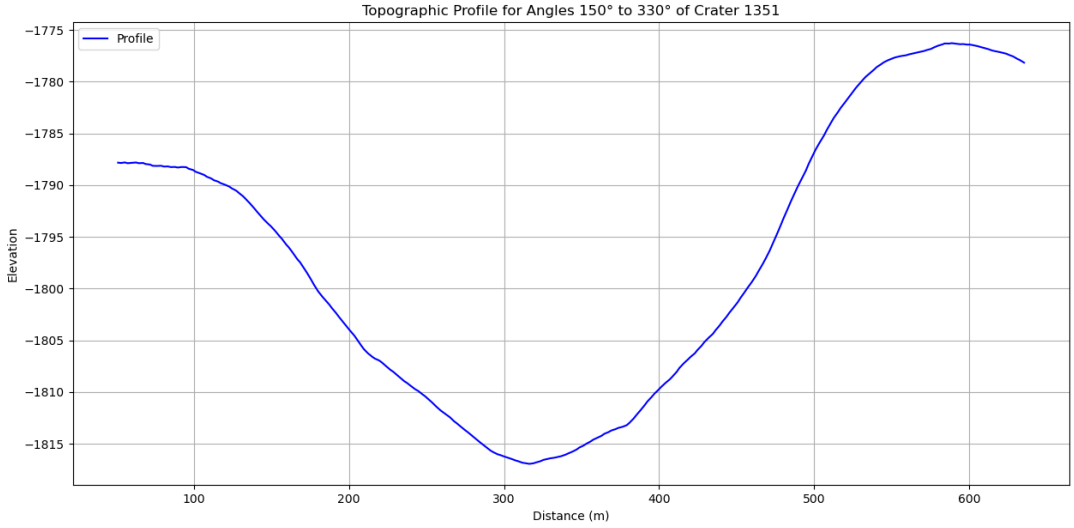
−1785
−1790
−1795
−1800
−1805
−1810
−1815
100
200
300
400
500
600
700


Topographic Profile for Angles 150° to 330° of Crater 1351
Profile
Elevation
Distance (m)
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−1780
−1785
−1790
−1795
−1800
−1805
−1810
−1815
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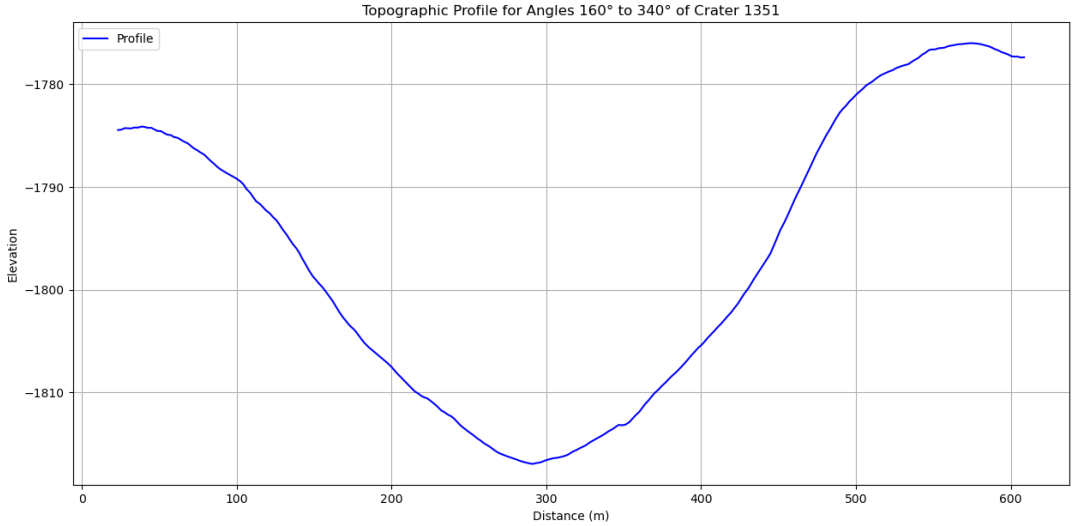
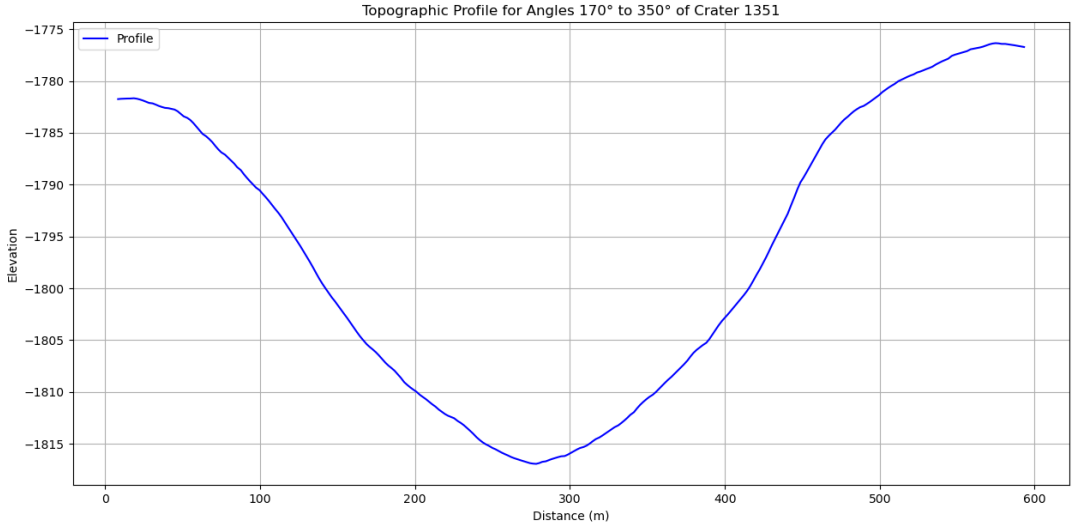

Topographic Profile for Angles 160° to 340° of Crater 1351
Profile
Elevation
Distance (m)
−1780
−1790
−1800
−1810
0
100
200
300
400
500
600


Topographic Profile for Angles 170° to 350° of Crater 1351
Profile
Elevation
Distance (m)
−1775
−1780
−1785
−1790
−1795
−1800
−1805
−1810
−1815
0
100
200
300
400
500
600