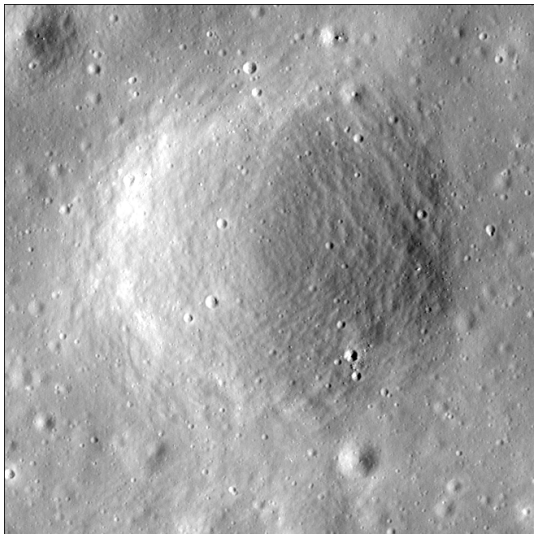
Crater report 991 of RG2

General information



ID : 991

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : BC - C

Mean Diameter : 353m ± 20.0m

Mean depht : 25.5m ± 0.5m

d/D ratio : 0.072 ± 0.004

Circularity index : 0.92

Slope : Between 8.9° et 13.14°

Mean value of TRI on the rim crest : 0.27

Geometric center coordinates : (3657491.3652575994, 228929.93621829597)

Coordinates of the crater's lowest point : (3657477.0000011004, 228923.00000006755)

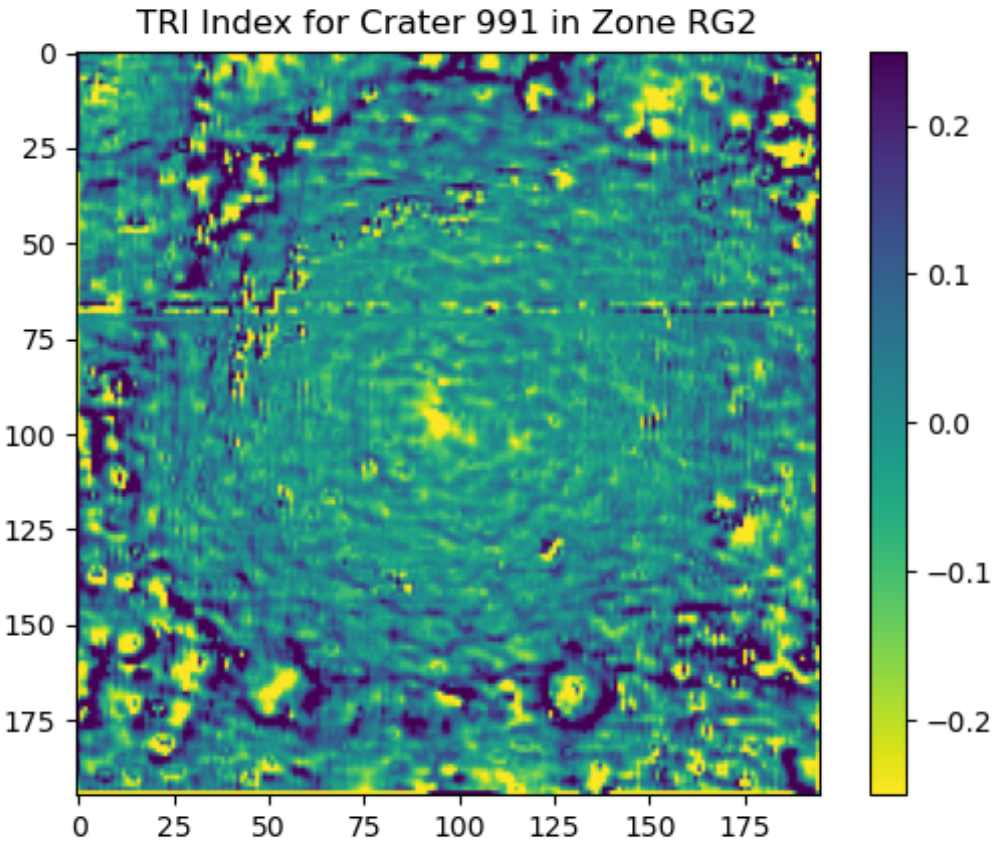
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	13.14	0.56
10°	12.11	0.54
20°	10.32	0.51
30°	9.18	0.48
40°	8.98	0.43
50°	9.37	0.43
60°	8.95	0.48
70°	9.54	0.51
80°	9.41	0.54
90°	10.13	0.57
100°	9.14	0.54
110°	8.9	0.52

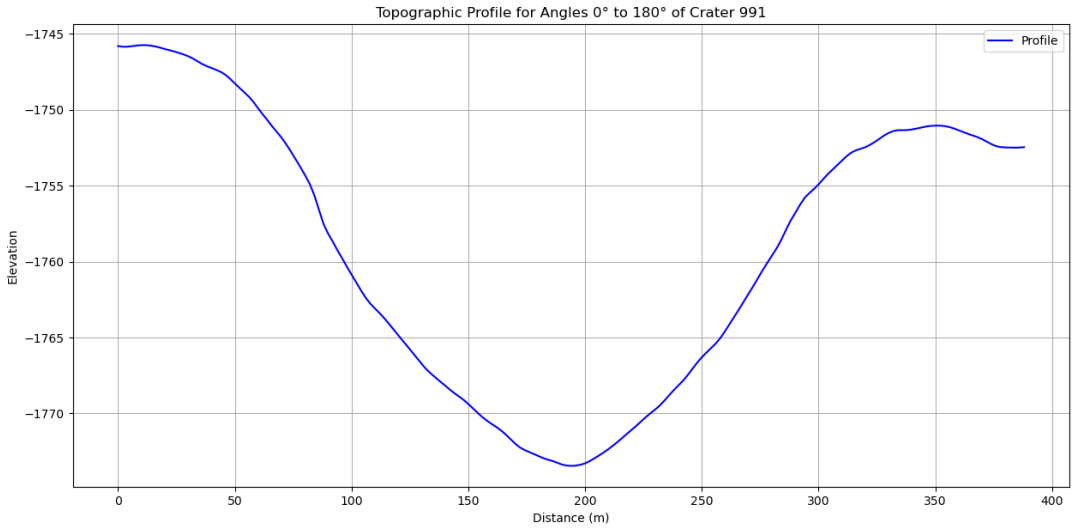
120°	9.3	0.48
130°	10.81	0.43
140°	10.92	0.43
150°	10.54	0.48
160°	10.45	0.52
170°	11.45	0.54
180°	12.48	0.57
190°	12.68	0.54
200°	12.13	0.51
210°	11.85	0.47
220°	12.52	0.43
230°	12.54	0.44
240°	12.07	0.48
250°	11.06	0.52
260°	11.84	0.54
270°	13.09	0.56
280°	13.05	0.54
290°	12.81	0.51
300°	12.35	0.48
310°	12.79	0.43
320°	12.0	0.43
330°	11.34	0.48
340°	11.31	0.51
350°	12.35	0.54

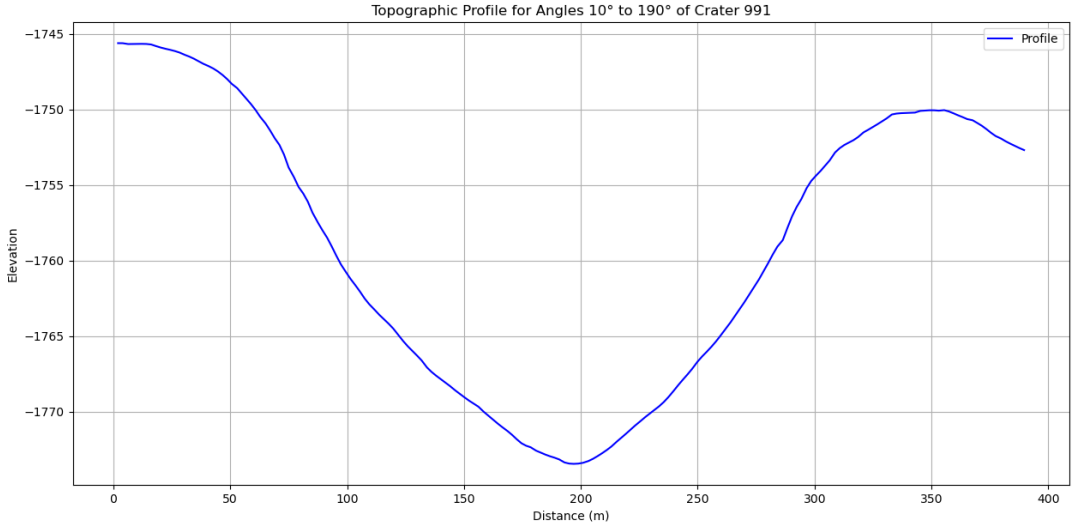
Topographic roughness index (TRI)

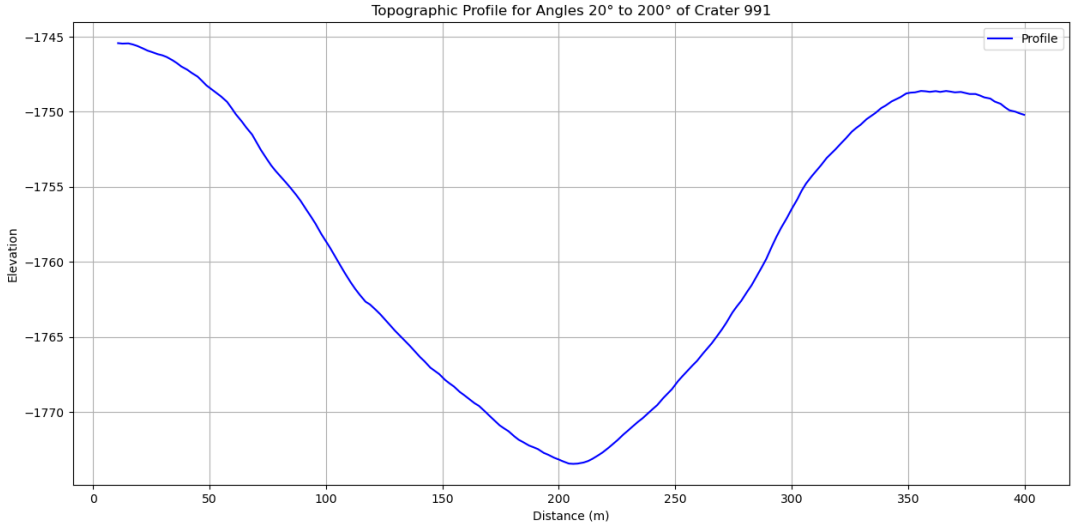
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

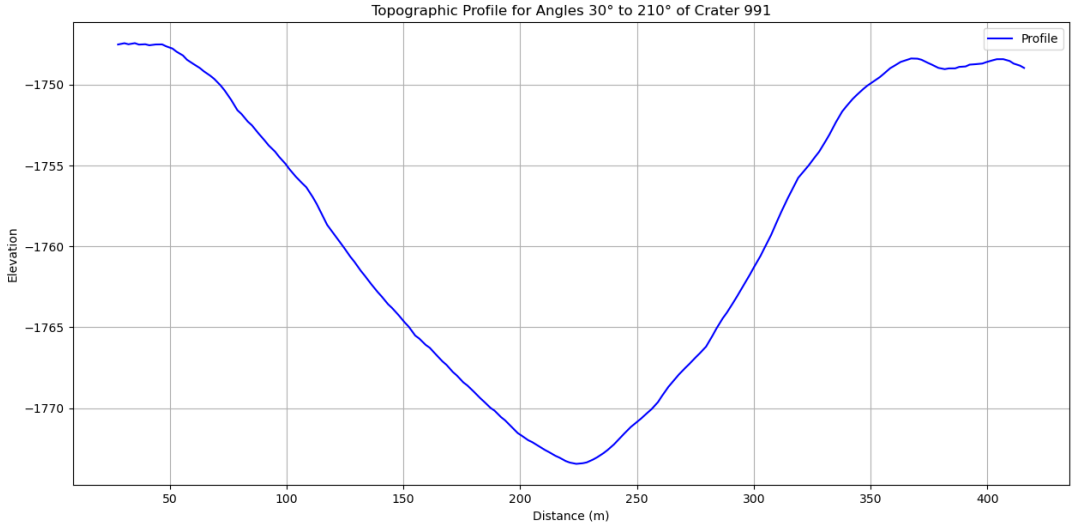


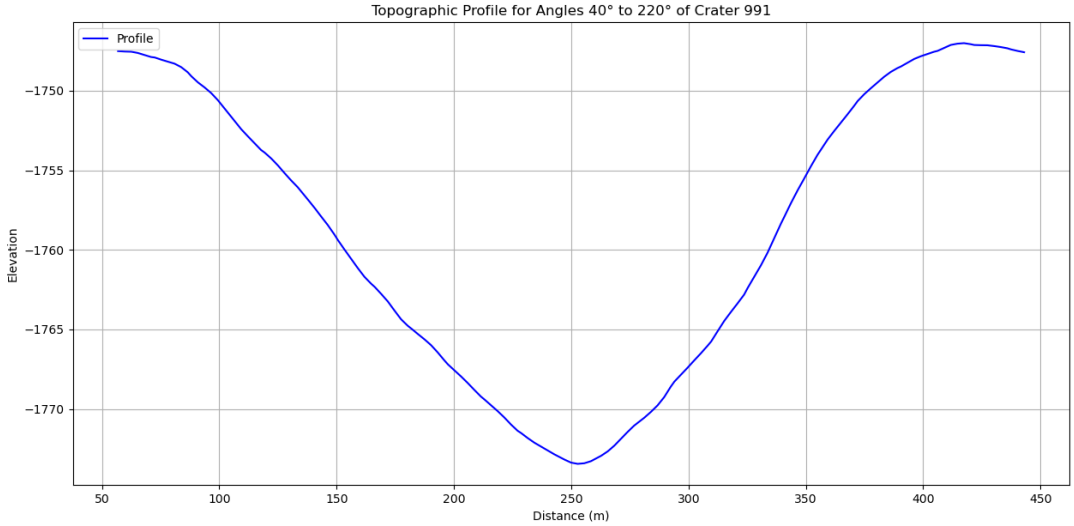
Topographic profiles

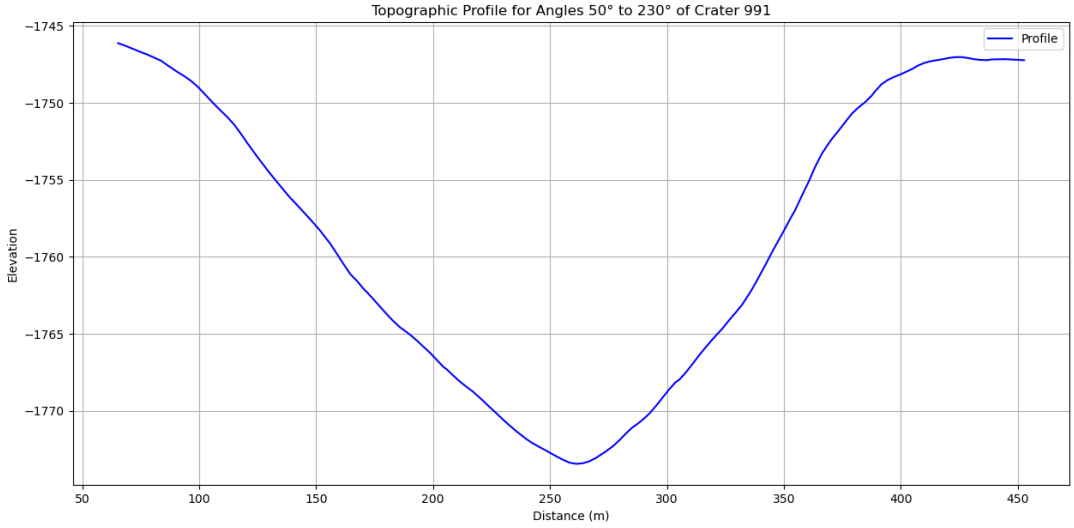



Topographic Profile for Angles 10° to 190° of Crater 991
Profile
Elevation
Distance (m)
−1745
−1750
−1755
−1760
−1765
−1770
0
50
100
150
200
250
300
350
400


Topographic Profile for Angles 20° to 200° of Crater 991
Profile
Elevation
Distance (m)
−1745
−1750
−1755
−1760
−1765
−1770
0
50
100
150
200
250
300
350
400


Topographic Profile for Angles 30° to 210° of Crater 991
Profile
Elevation
−1750
−1755
−1760
−1765
−1770
50
100
150
200
250
300
350
400
Distance (m)


Topographic Profile for Angles 40° to 220° of Crater 991
Profile
Elevation
−1750
−1755
−1760
−1765
−1770
50
100
150
200
250
300
350
400
450
Distance (m)


Topographic Profile for Angles 50° to 230° of Crater 991
Profile
Elevation
Distance (m)
−1745
−1750
−1755
−1760
−1765
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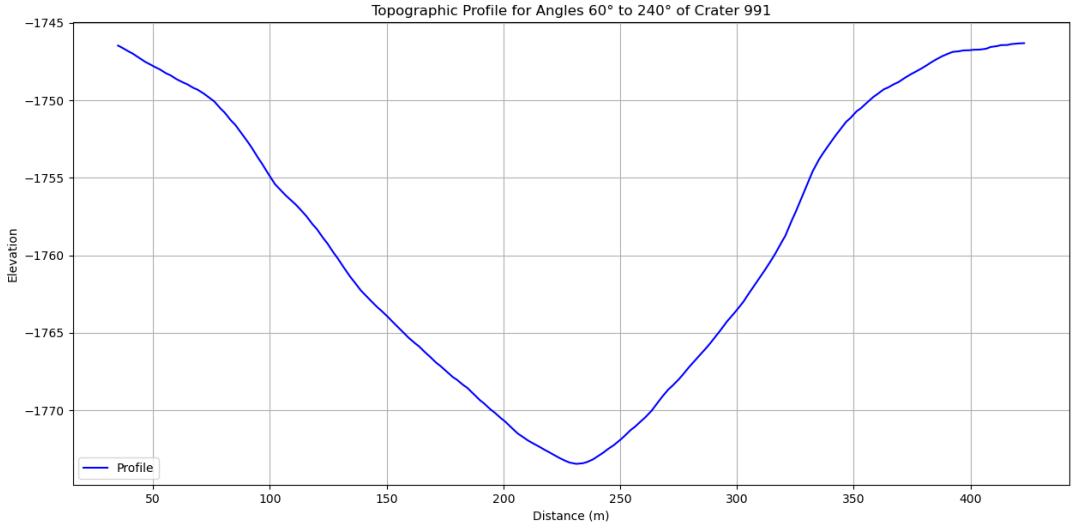
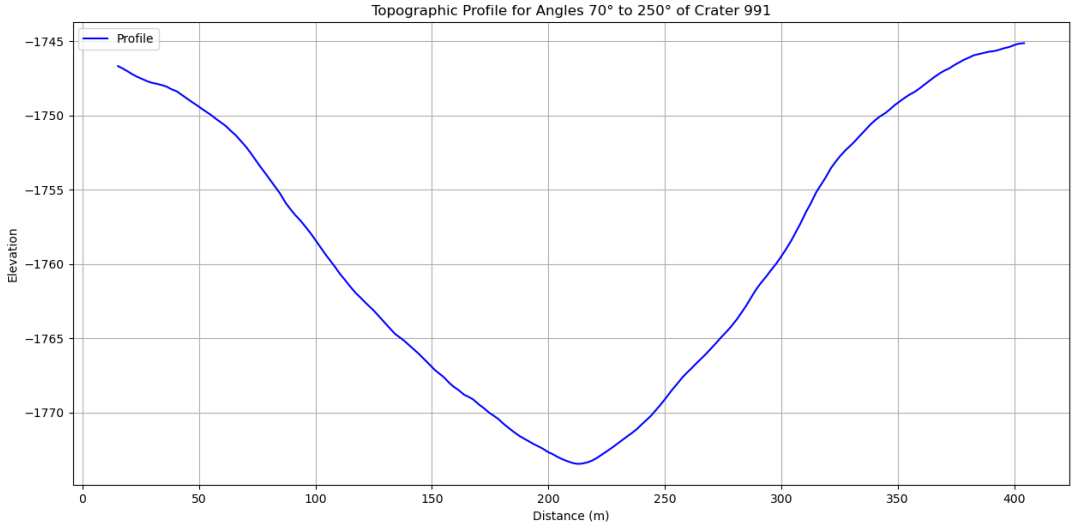
50
100
150
200
250
300
350
400
450


Topographic Profile for Angles 60° to 240° of Crater 991
Profile
Elevation
Distance (m)
−1745
−1750
−1755
−1760
−1765
−1770
50
100
150
200
250
300
350
400


Topographic Profile for Angles 70° to 250° of Crater 991
Profile
Elevation
Distance (m)
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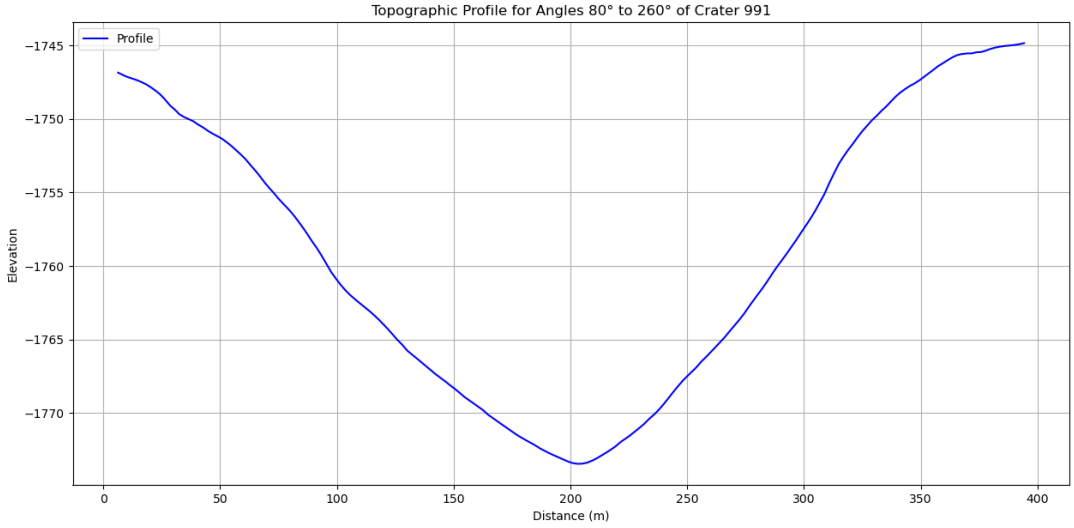
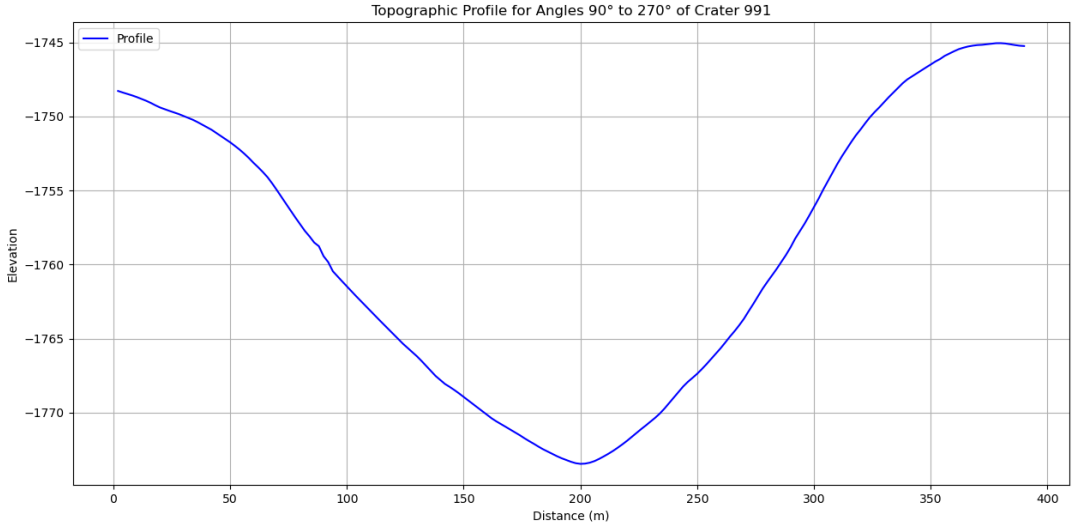
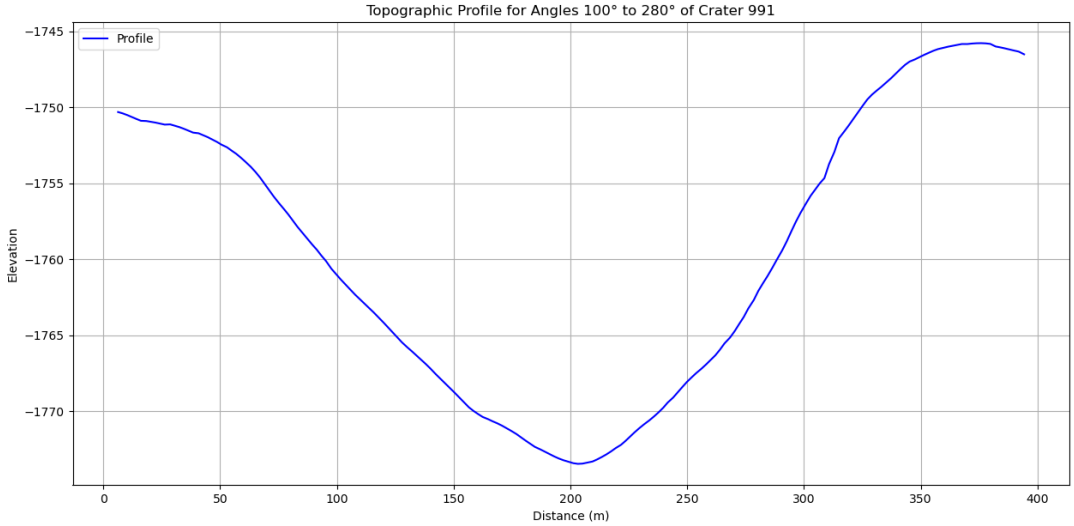
−1750
−1755
−1760
−1765
−1770
0
50
100
150
200
250
300
350
400


Topographic Profile for Angles 80° to 260° of Crater 991
Profile
Elevation
Distance (m)
−1745
−1750
−1755
−1760
−1765
−1770
0
50
100
150
200
250
300
350
400


Topographic Profile for Angles 90° to 270° of Crater 991
Profile
Elevation
Distance (m)
−1745
−1750
−1755
−1760
−1765
−1770
0
50
100
150
200
250
300
350
400


Topographic Profile for Angles 100° to 280° of Crater 991
Profile
Elevation
Distance (m)
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−1750
−1755
−1760
−1765
−1770
0
50
100
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250
300
350
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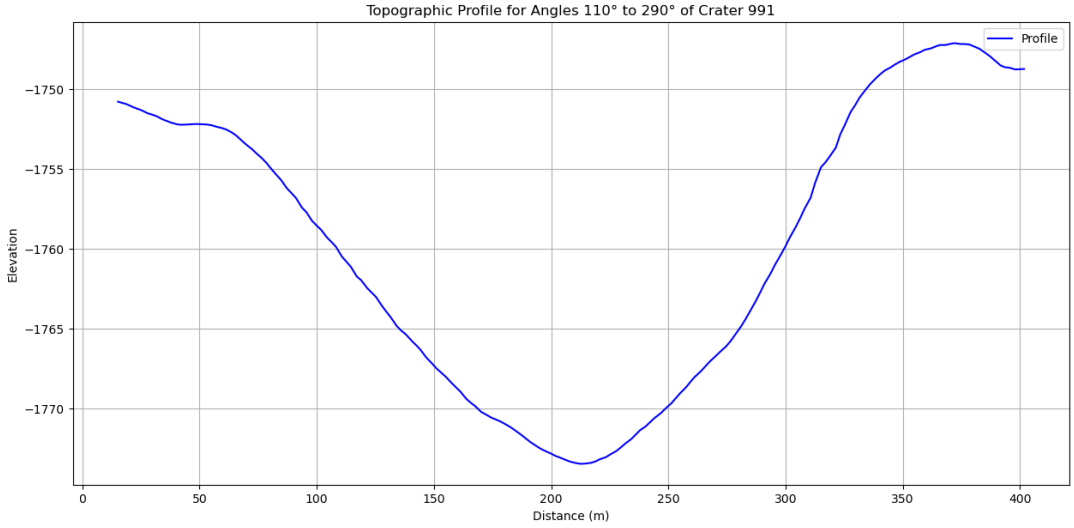
Topographic Profile for Angles 110° to 290° of Crater 991
Profile
Elevation
Distance (m)
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−1755
−1760
−1765
−1770
0
50
100
150
200
250
300
350
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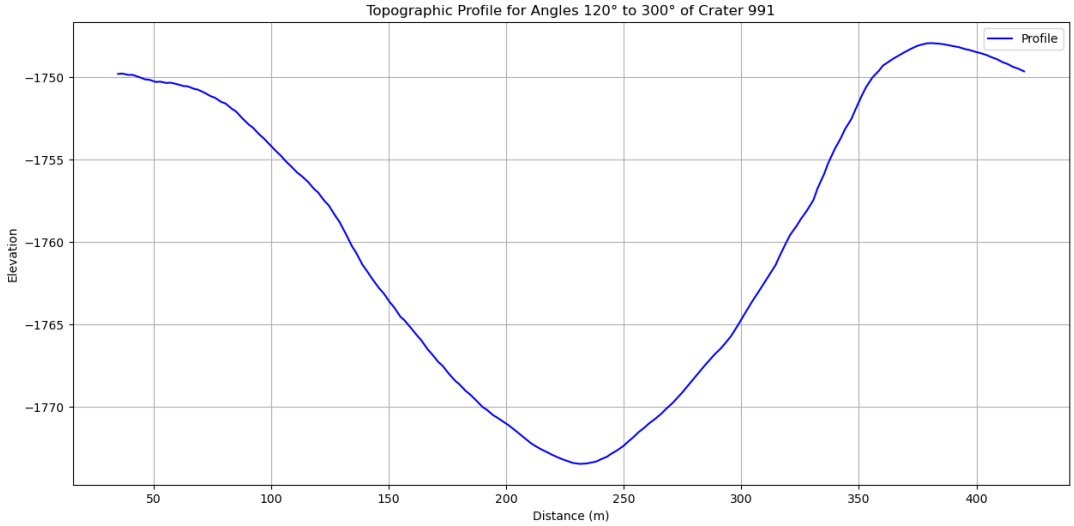
Topographic Profile for Angles 120° to 300° of Crater 991
Profile
Elevation
Distance (m)
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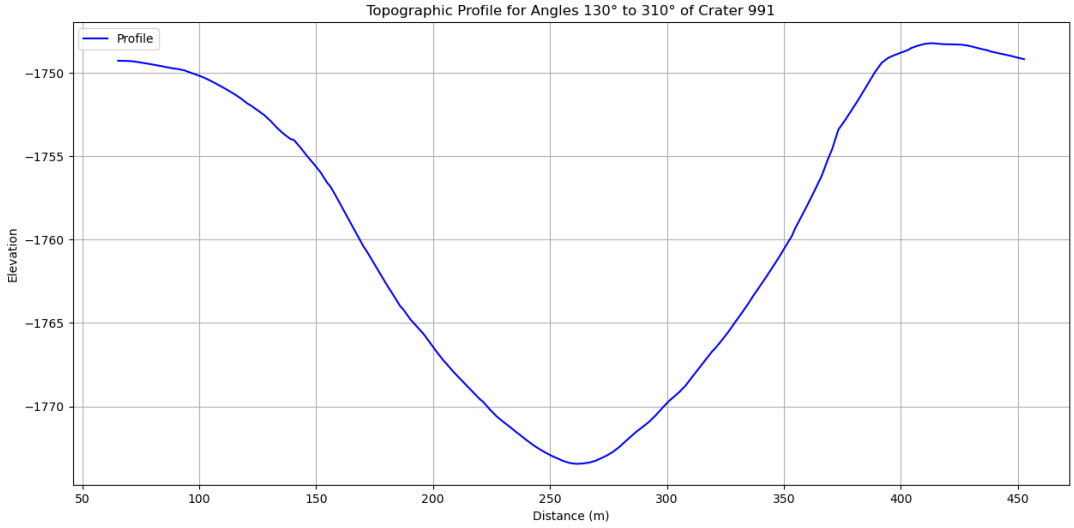
−1755
−1760
−1765
−1770
50
100
150
200
250
300
350
400


Topographic Profile for Angles 130° to 310° of Crater 991
Profile
Elevation
Distance (m)
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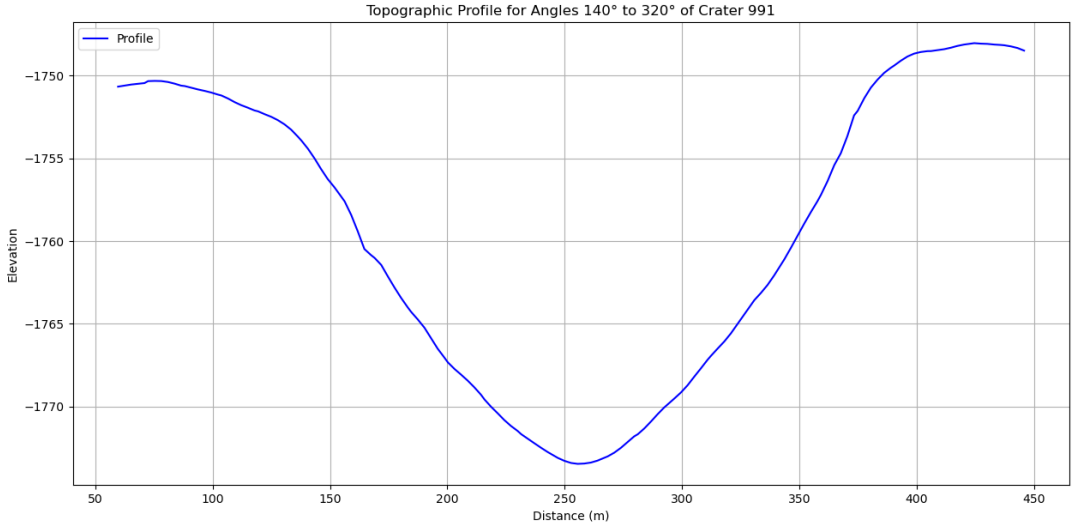
−1755
−1760
−1765
−1770
50
100
150
200
250
300
350
400
450


Topographic Profile for Angles 140° to 320° of Crater 991
Profile
Elevation
Distance (m)
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−1755
−1760
−1765
−1770
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100
150
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250
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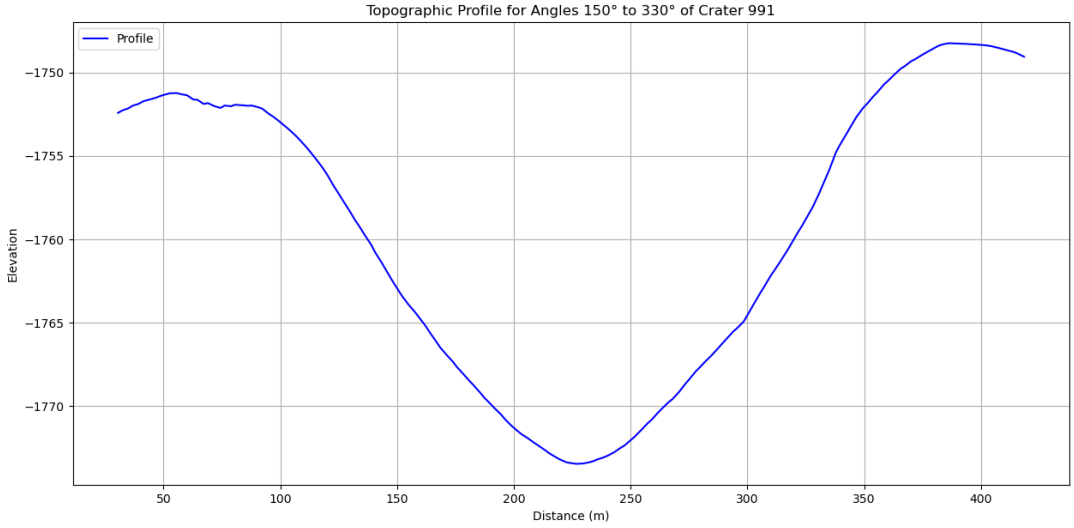
350
400
450


Topographic Profile for Angles 150° to 330° of Crater 991
Profile
Elevation
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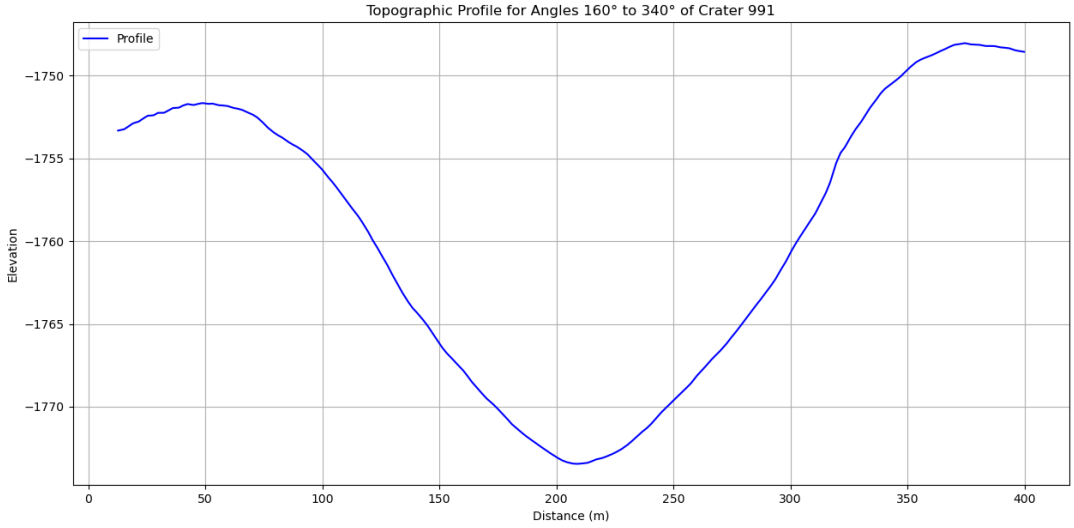
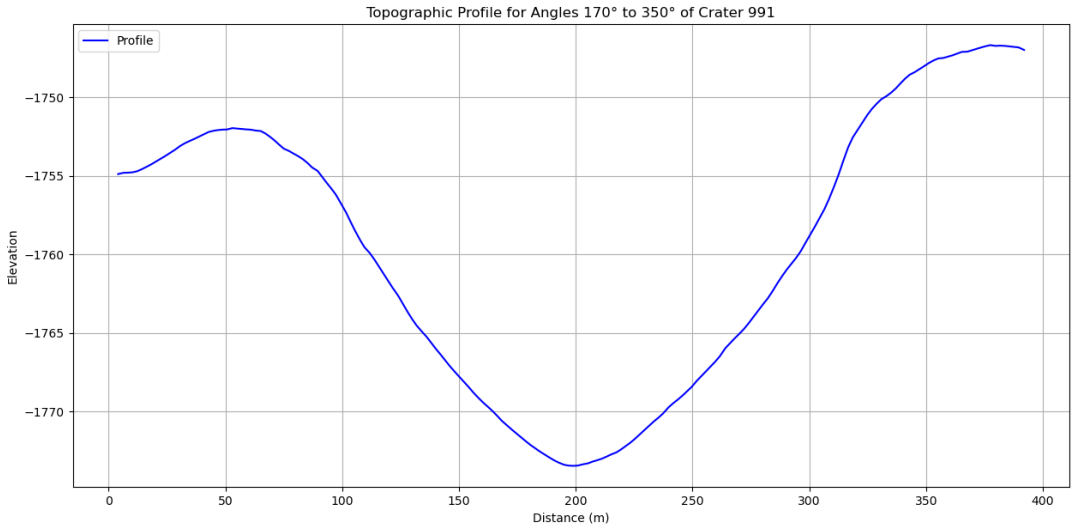
−1755
−1760
−1765
−1770
50
100
150
200
250
300
350
400
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 991
Profile
Elevation
−1750
−1755
−1760
−1765
−1770
0
50
100
150
200
250
300
350
400
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 991
Profile
Elevation
−1750
−1755
−1760
−1765
−1770
0
50
100
150
200
250
300
350
400
Distance (m)