Crater report 2151 of RG7

General information

ID : 2151

Study area : RG7

Swirl : on-swirl

Morphology : Bowl-shaped

State of degradation : C

Mean Diameter : 266m ± 7.0m

Mean depht : 8.7m ± 0.6m

d/D ratio : 0.033 ± 0.002

Circularity index : 0.96

Mean slope : 4.17°

Geometric center coordinates :
(3627347.0674842447, 229123.06981030555)

Coordinates of the crater's lowest point :
(3627357.4999999, 229122.4999999905)

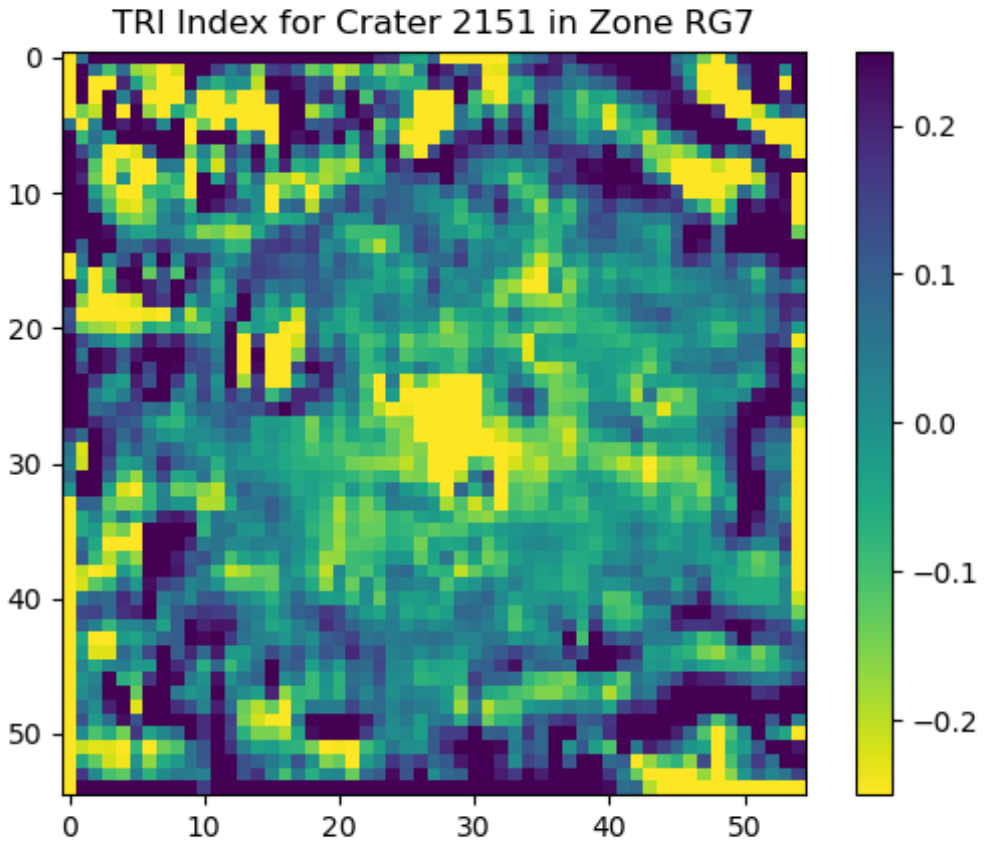
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	4.52	0.17
10°	4.27	0.16
20°	4.12	0.15
30°	4.17	0.14
40°	4.26	0.14
50°	4.18	0.13
60°	3.86	0.14
70°	3.6	0.14
80°	3.58	0.15
90°	3.59	0.16
100°	3.16	0.16
110°	3.11	0.15

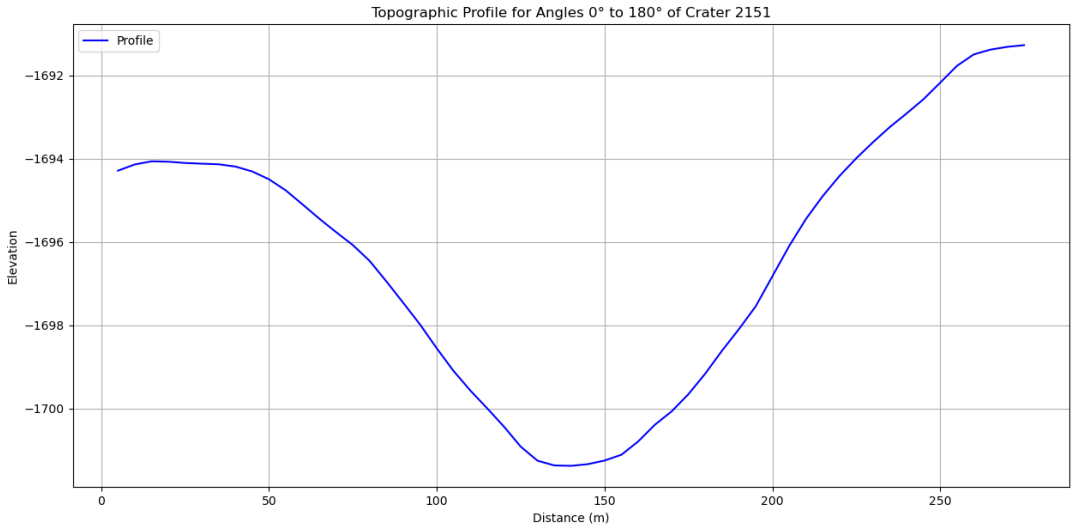
120°	3.44	0.14
130°	4.15	0.13
140°	4.5	0.13
150°	4.65	0.14
160°	4.65	0.14
170°	4.86	0.15
180°	4.89	0.15
190°	4.64	0.15
200°	4.58	0.15
210°	4.48	0.14
220°	4.3	0.13
230°	4.1	0.13
240°	3.89	0.14
250°	3.9	0.15
260°	4.16	0.15
270°	4.52	0.15
280°	4.49	0.15
290°	4.14	0.15
300°	4.06	0.14
310°	4.31	0.14
320°	4.4	0.14
330°	4.01	0.14
340°	4.2	0.15
350°	4.38	0.16

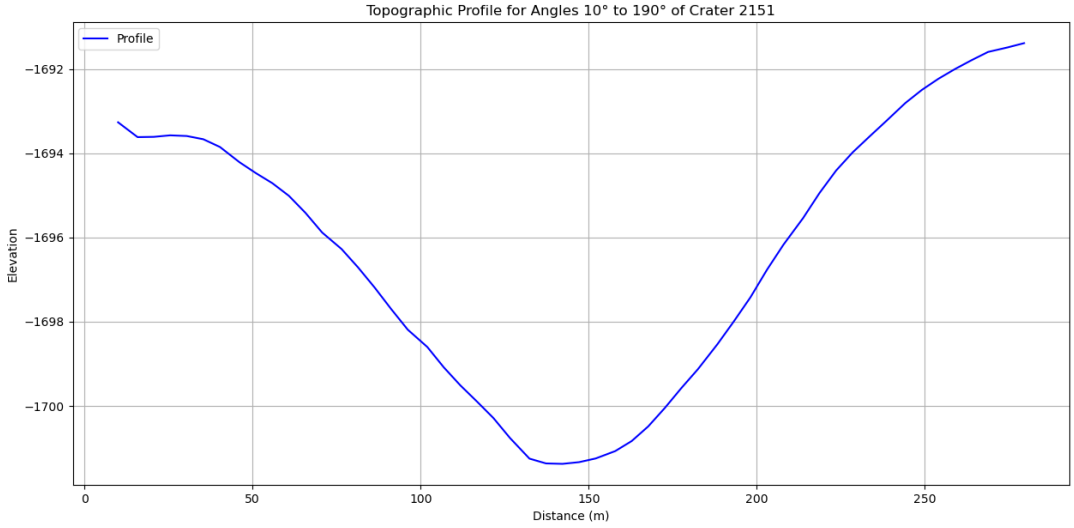
Topographic roughness index (TRI)

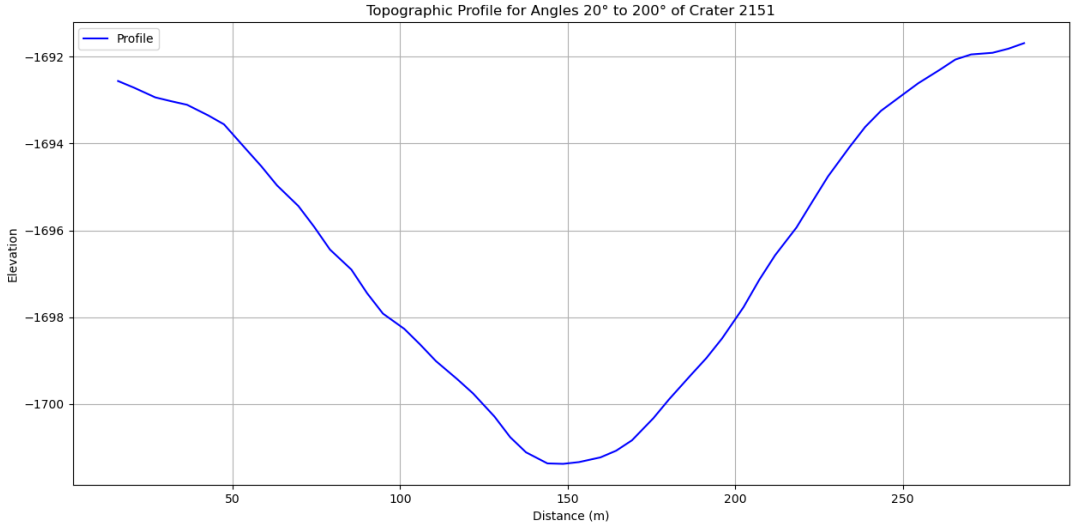
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

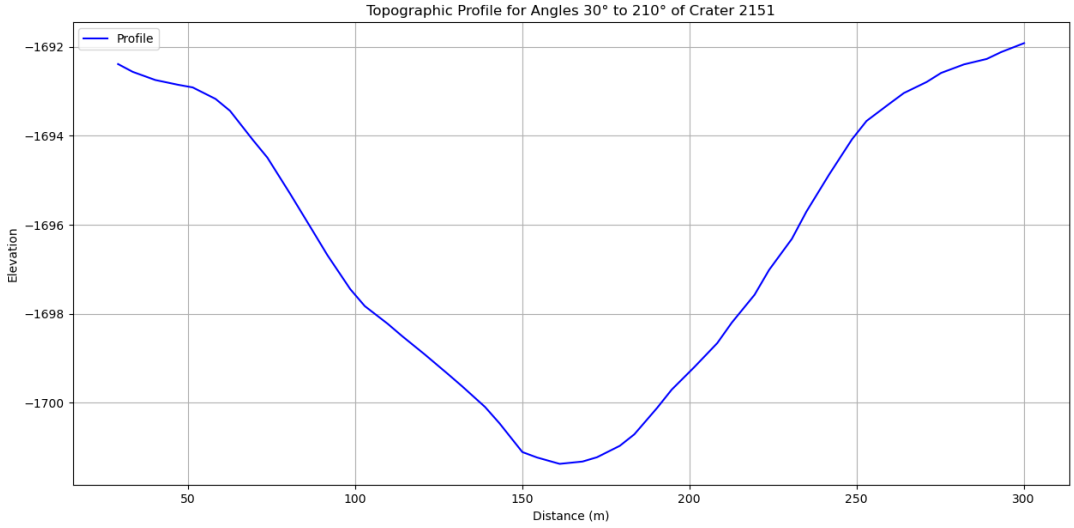


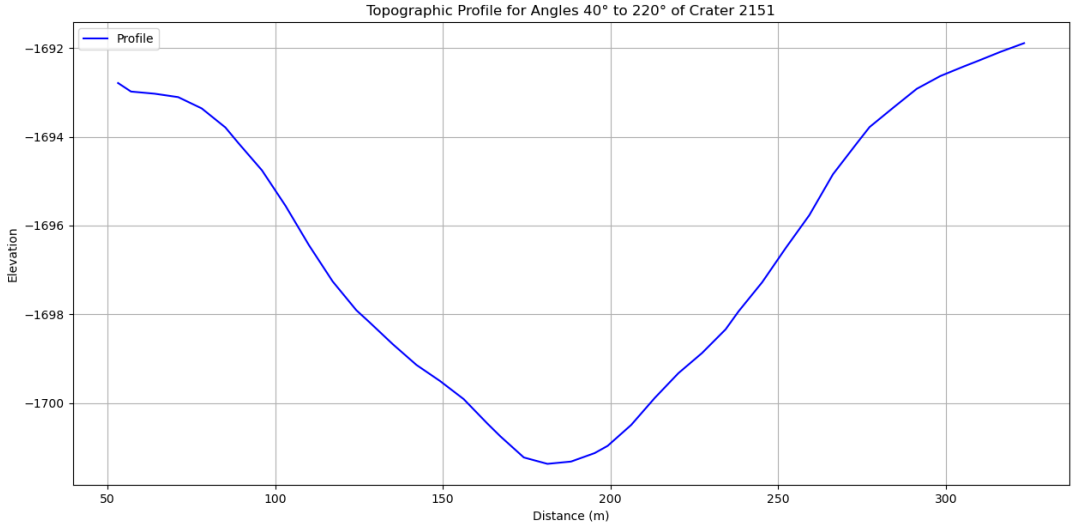
Topographic profiles

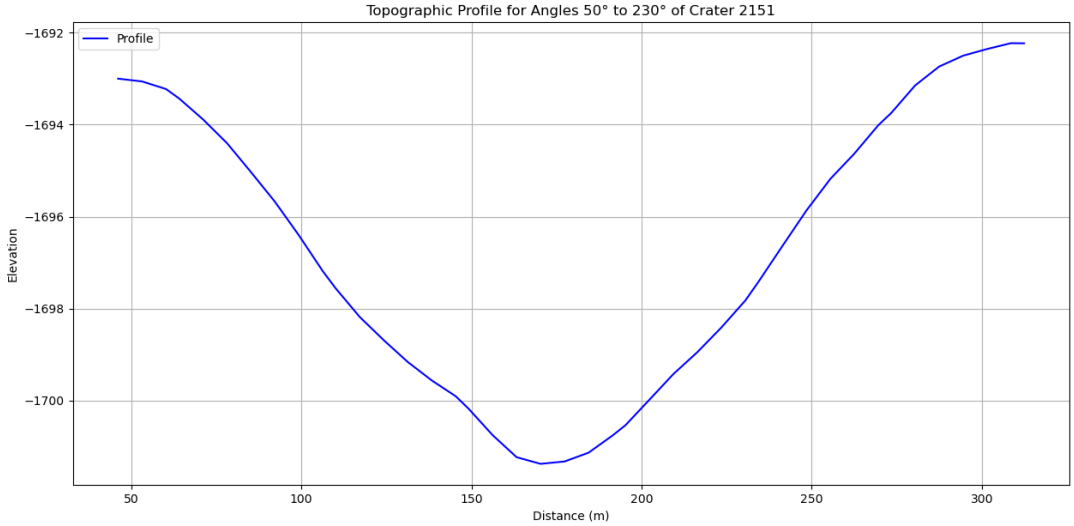


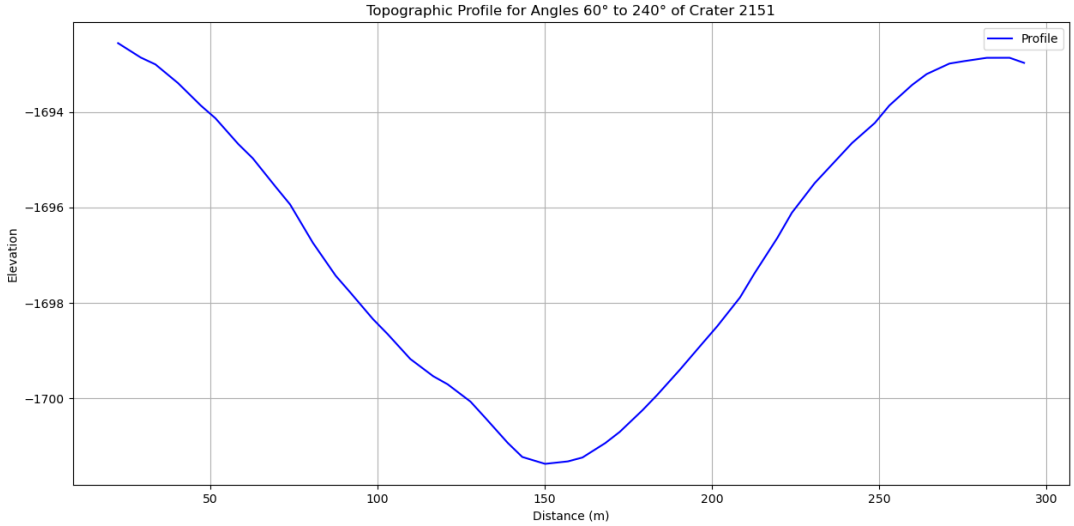

Topographic Profile for Angles 10° to 190° of Crater 2151
Profile
Elevation
−1692
−1694
−1696
−1698
−1700
0
50
100
150
200
250
Distance (m)

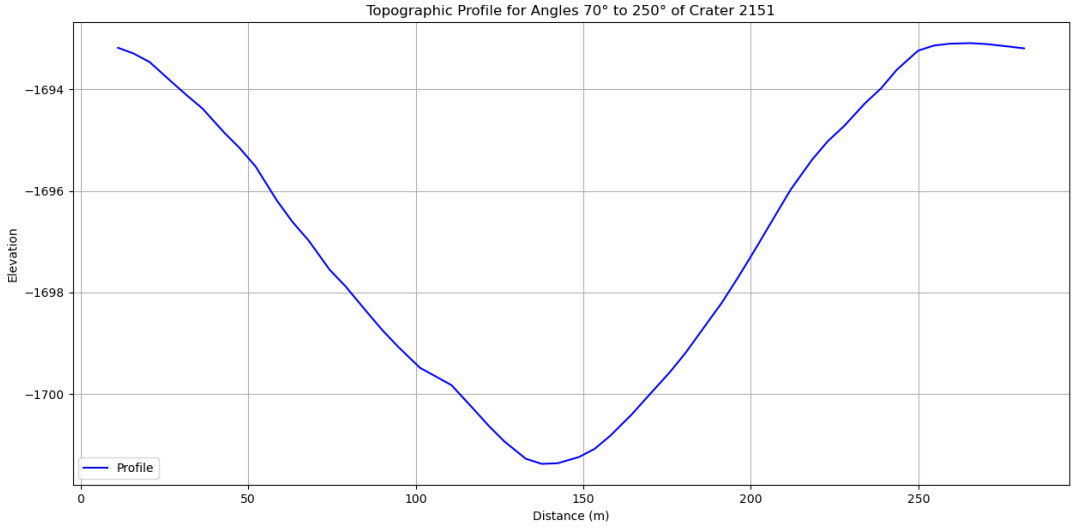

Topographic Profile for Angles 20° to 200° of Crater 2151
Profile
Elevation
−1692
−1694
−1696
−1698
−1700
50
100
150
200
250
Distance (m)

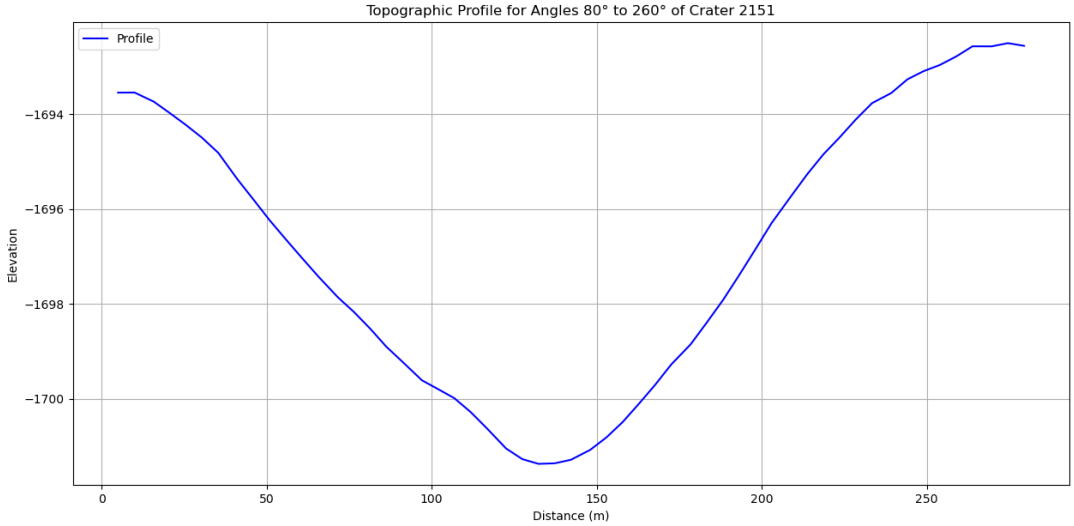

Topographic Profile for Angles 30° to 210° of Crater 2151
Profile
Elevation
Distance (m)
−1692
−1694
−1696
−1698
−1700
50
100
150
200
250
300

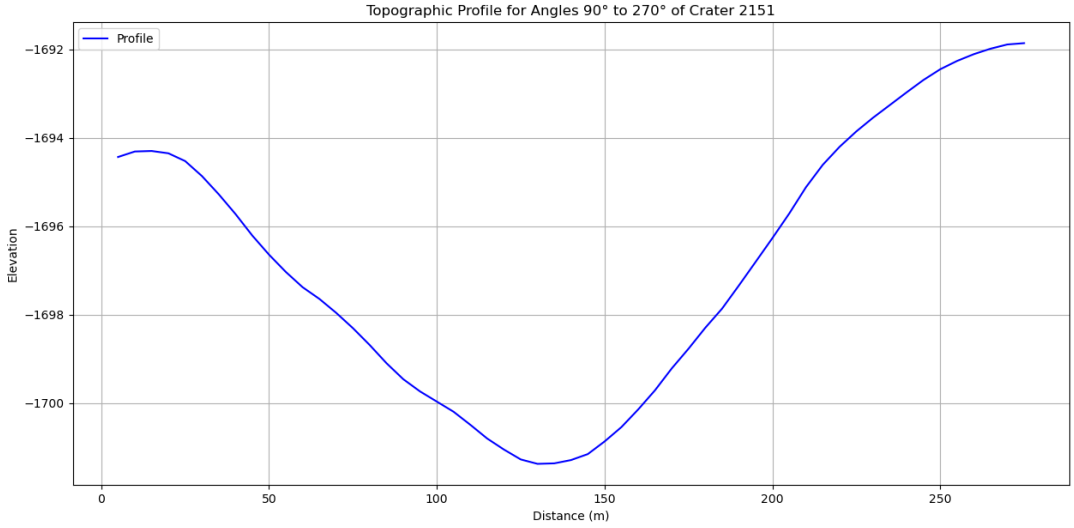

Topographic Profile for Angles 40° to 220° of Crater 2151
Profile
Elevation
Distance (m)
−1692
−1694
−1696
−1698
−1700
50
100
150
200
250
300

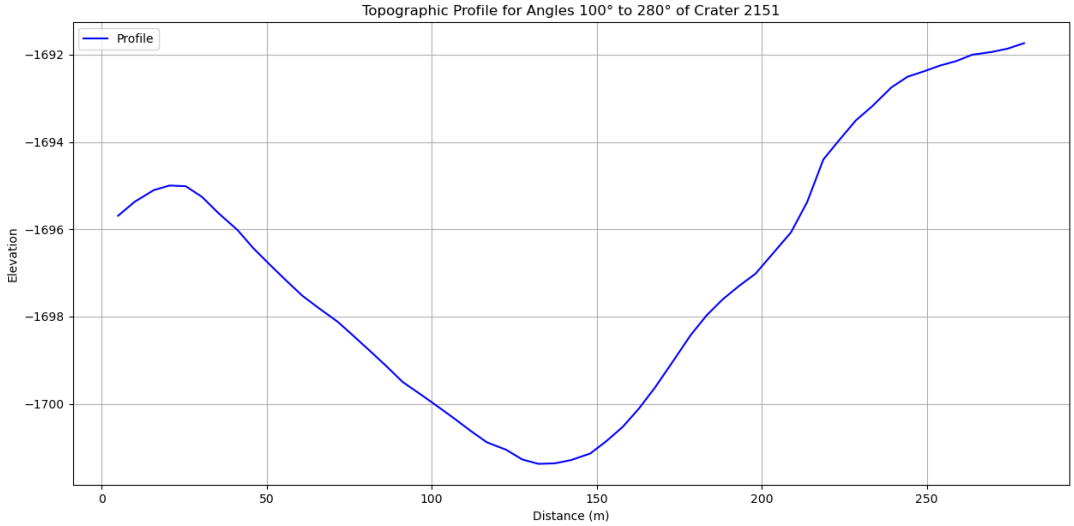

Topographic Profile for Angles 50° to 230° of Crater 2151
Profile
Elevation
Distance (m)
−1692
−1694
−1696
−1698
−1700
50
100
150
200
250
300

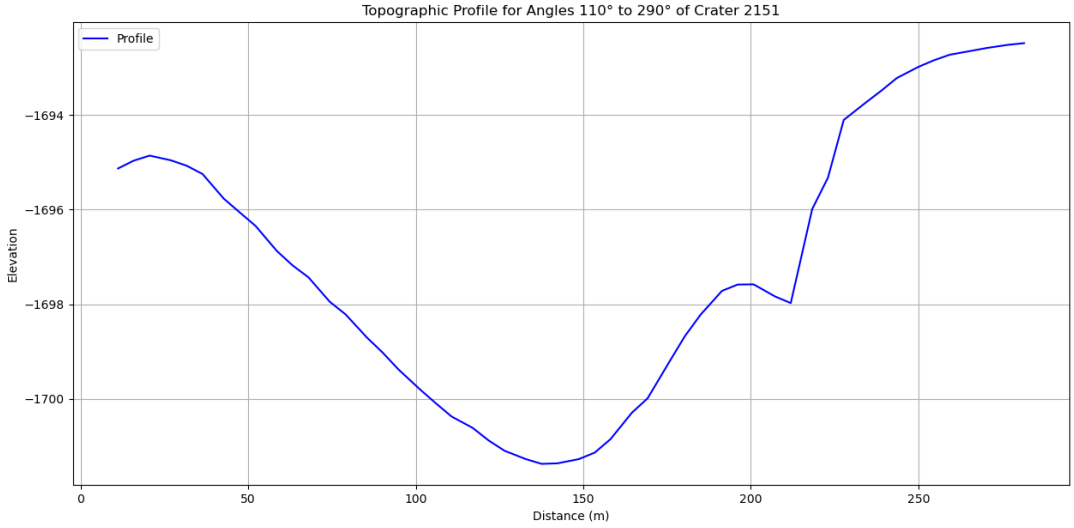

Topographic Profile for Angles 60° to 240° of Crater 2151
Profile
Elevation
Distance (m)
−1694
−1696
−1698
−1700
50
100
150
200
250
300

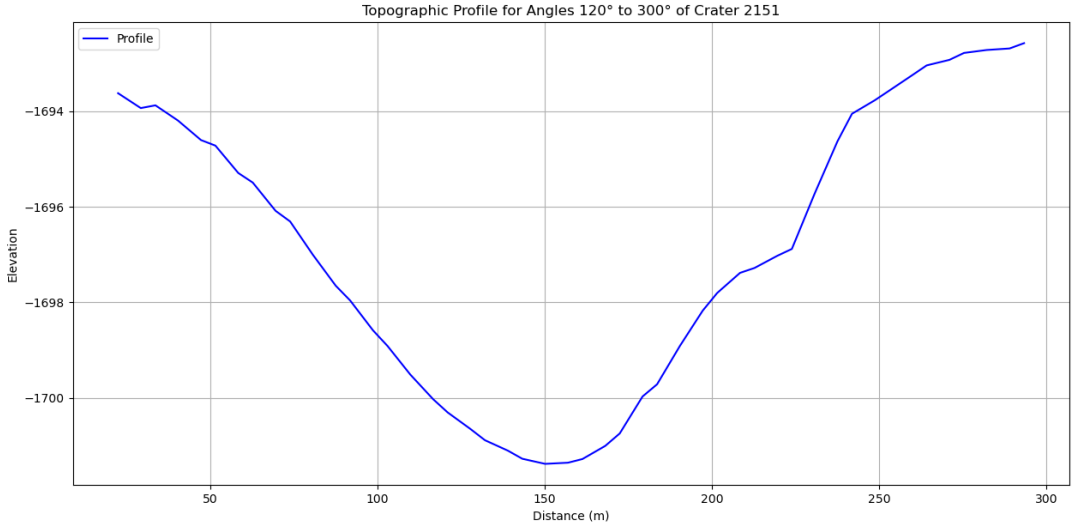

Topographic Profile for Angles 70° to 250° of Crater 2151
Elevation
−1694
−1696
−1698
−1700
Profile
0
50
100
150
200
250
Distance (m)

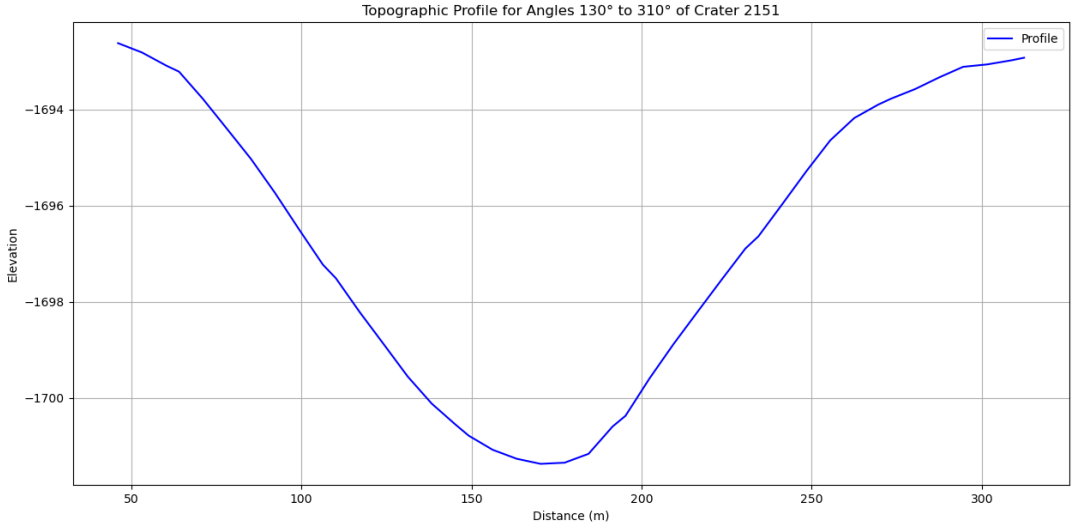

Topographic Profile for Angles 80° to 260° of Crater 2151
Profile
Elevation
−1694
−1696
−1698
−1700
0
50
100
150
200
250
Distance (m)

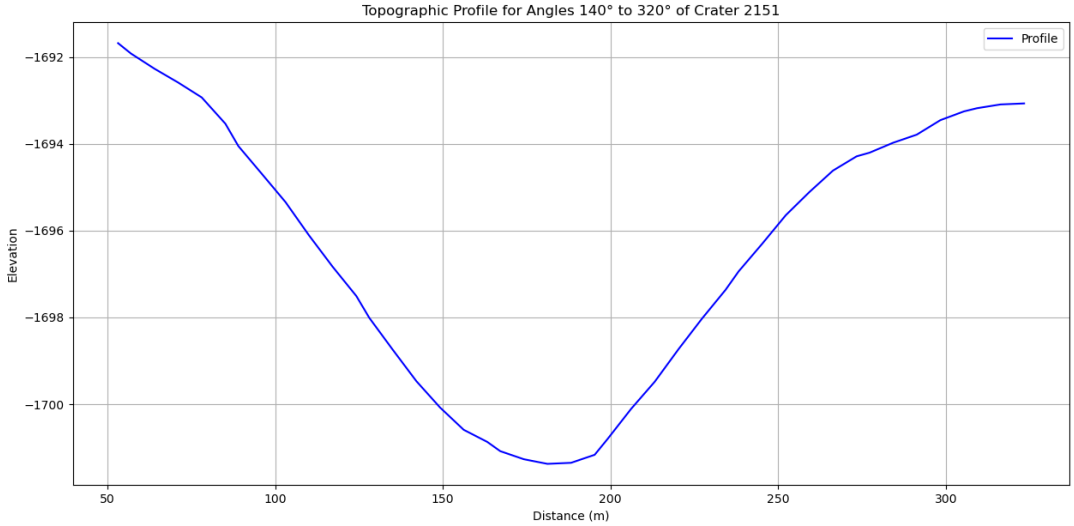

Topographic Profile for Angles 90° to 270° of Crater 2151
Profile
Elevation
−1692
−1694
−1696
−1698
−1700
0
50
100
150
200
250
Distance (m)

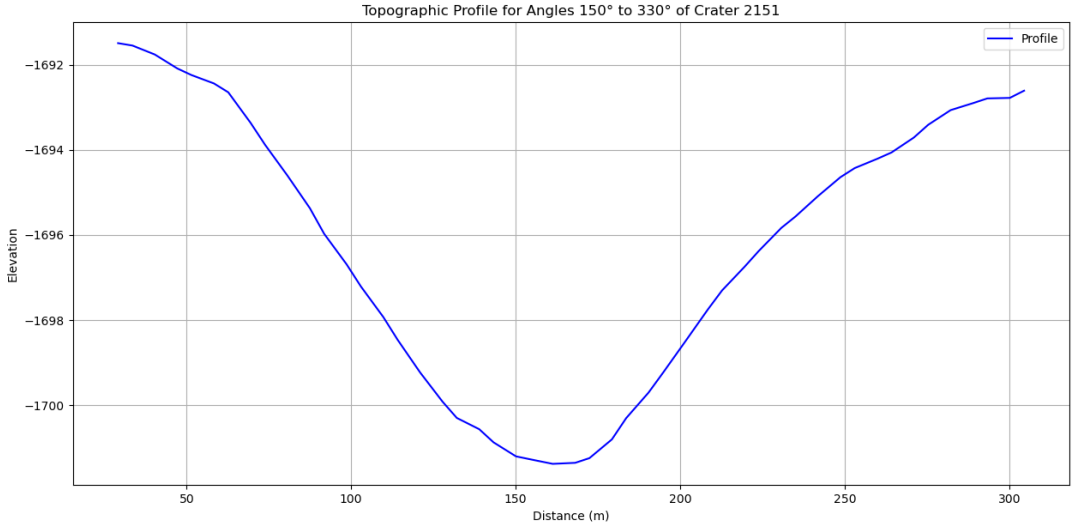

Topographic Profile for Angles 100° to 280° of Crater 2151
Profile
Elevation
−1692
−1694
−1696
−1698
−1700
0
50
100
150
200
250
Distance (m)

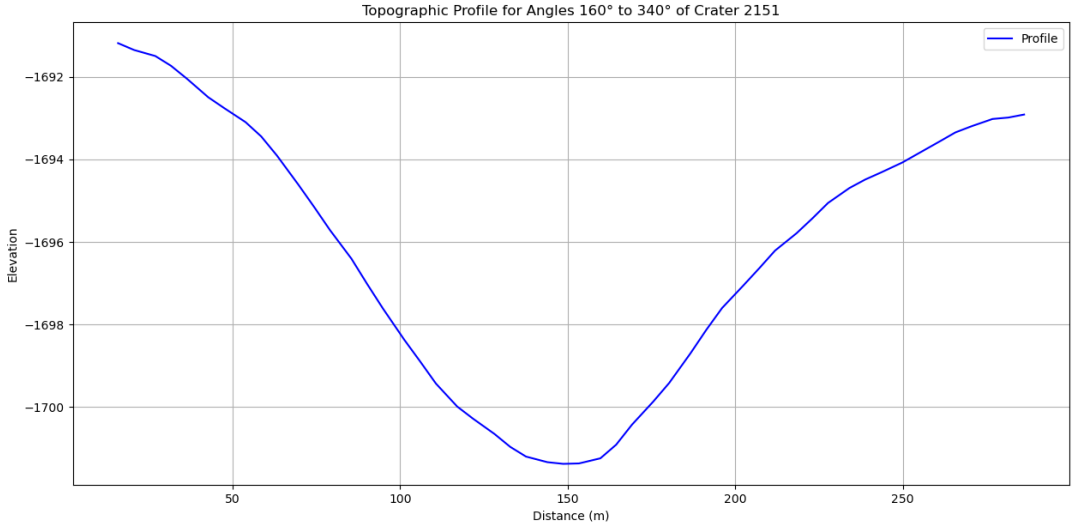

Topographic Profile for Angles 110° to 290° of Crater 2151
Profile
Elevation
−1694
−1696
−1698
−1700
0
50
100
150
200
250
Distance (m)

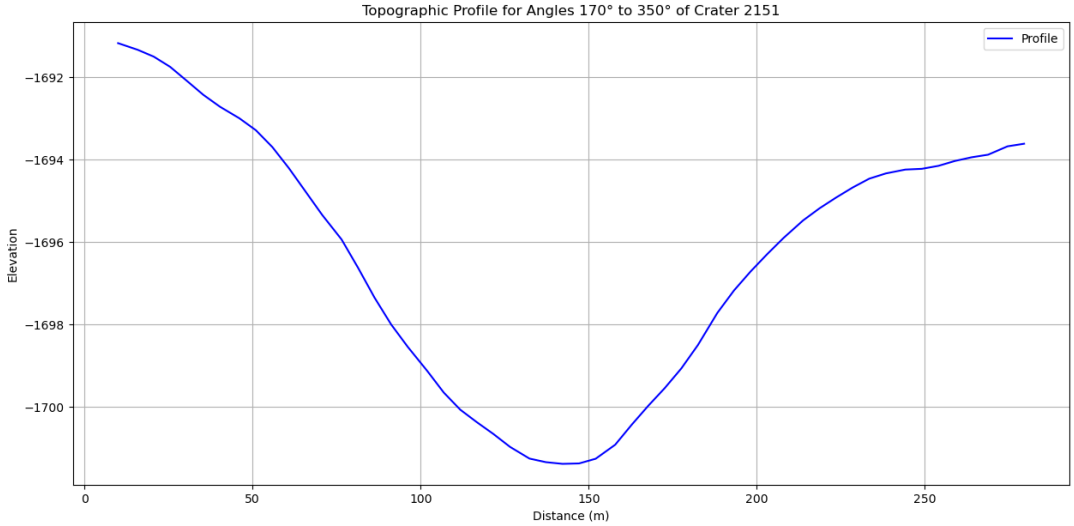

Topographic Profile for Angles 120° to 300° of Crater 2151
Profile
Elevation
−1694
−1696
−1698
−1700
50
100
150
200
250
300
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 2151
Profile
Elevation
−1694
−1696
−1698
−1700
50
100
150
200
250
300
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 2151
Profile
Elevation
−1692
−1694
−1696
−1698
−1700
50
100
150
200
250
300
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 2151
Profile
Elevation
−1692
−1694
−1696
−1698
−1700
50
100
150
200
250
300
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 2151
Profile
Elevation
−1692
−1694
−1696
−1698
−1700
50
100
150
200
250
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 2151
Profile
Elevation
−1692
−1694
−1696
−1698
−1700
0
50
100
150
200
250
Distance (m)