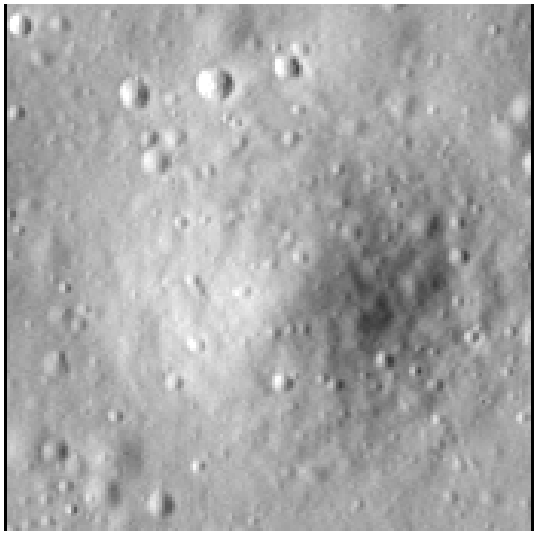
Crater report 2154 of RG2

General information



ID : 2154

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : BC - C

Mean Diameter : 92m ± 6.0m

Mean depht : 5.5m ± 0.3m

d/D ratio : 0.059 ± 0.005

Circularity index : 0.92

Slope : Between 7.15° et 12.4°

Mean value of TRI on the rim crest : 0.31

Geometric center coordinates : (3657261.150325915, 220436.71271181013)

Coordinates of the crater's lowest point : (3657267.0000011004, 220431.000000065)

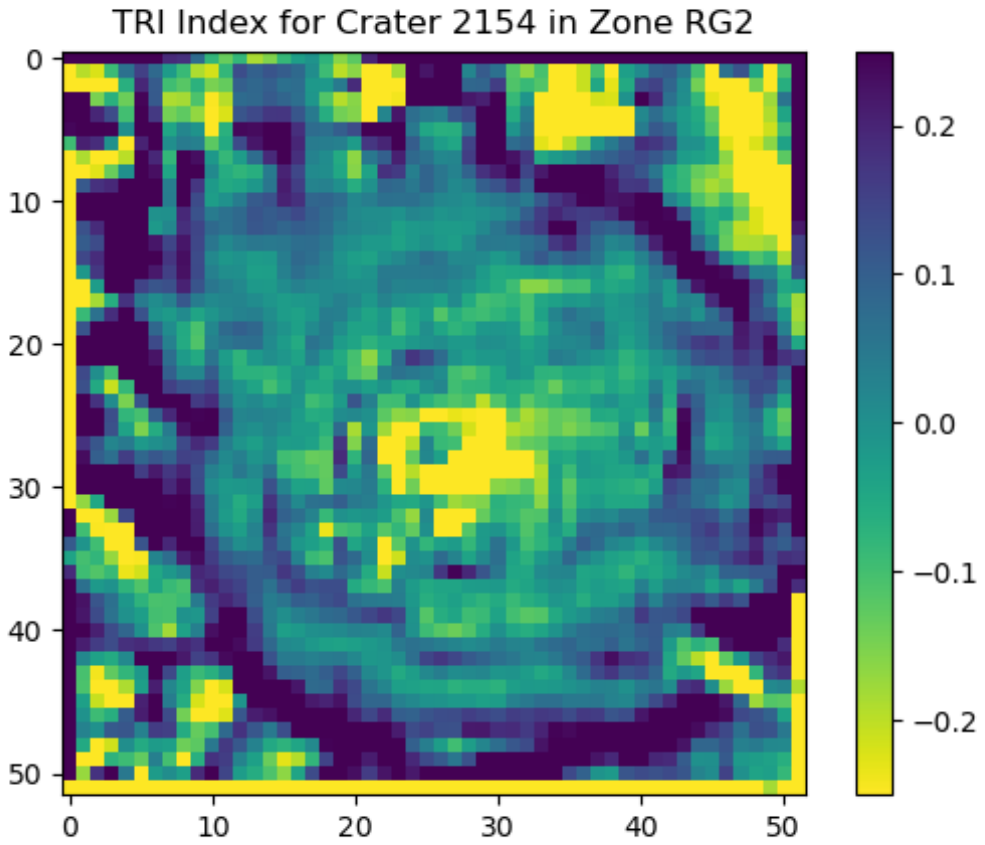
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	8.01	0.57
10°	7.73	0.54
20°	7.56	0.52
30°	7.15	0.47
40°	7.64	0.43
50°	7.61	0.43
60°	7.55	0.49
70°	8.02	0.52
80°	9.1	0.55
90°	9.84	0.57
100°	9.48	0.55
110°	8.88	0.5

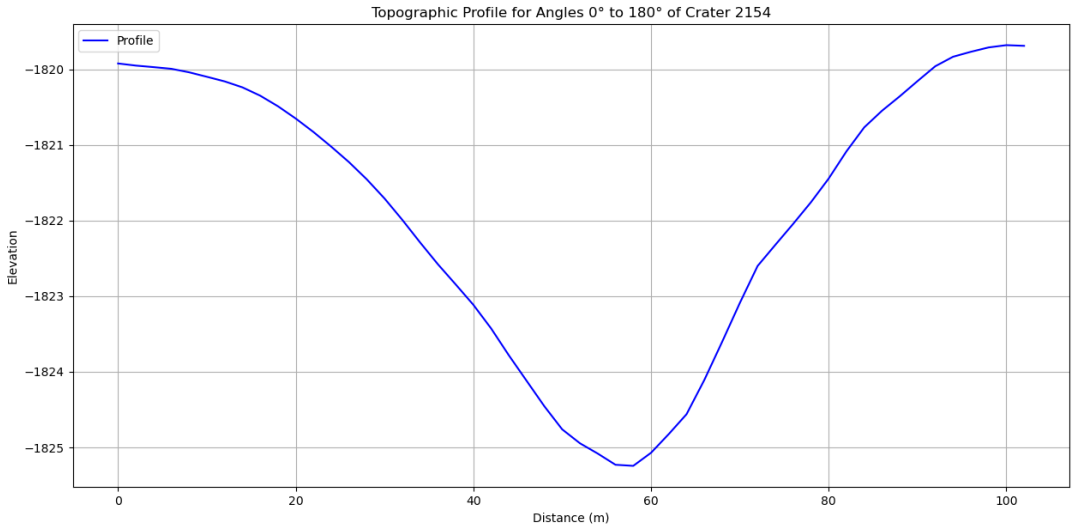
120°	8.6	0.47
130°	9.16	0.43
140°	9.17	0.43
150°	9.08	0.47
160°	8.95	0.51
170°	9.58	0.55
180°	10.49	0.57
190°	10.93	0.55
200°	10.34	0.5
210°	11.51	0.46
220°	11.91	0.43
230°	12.4	0.43
240°	11.73	0.47
250°	11.68	0.51
260°	12.0	0.53
270°	11.68	0.57
280°	10.98	0.54
290°	10.36	0.52
300°	9.02	0.46
310°	8.81	0.42
320°	8.64	0.42
330°	7.95	0.48
340°	7.74	0.51
350°	7.89	0.54

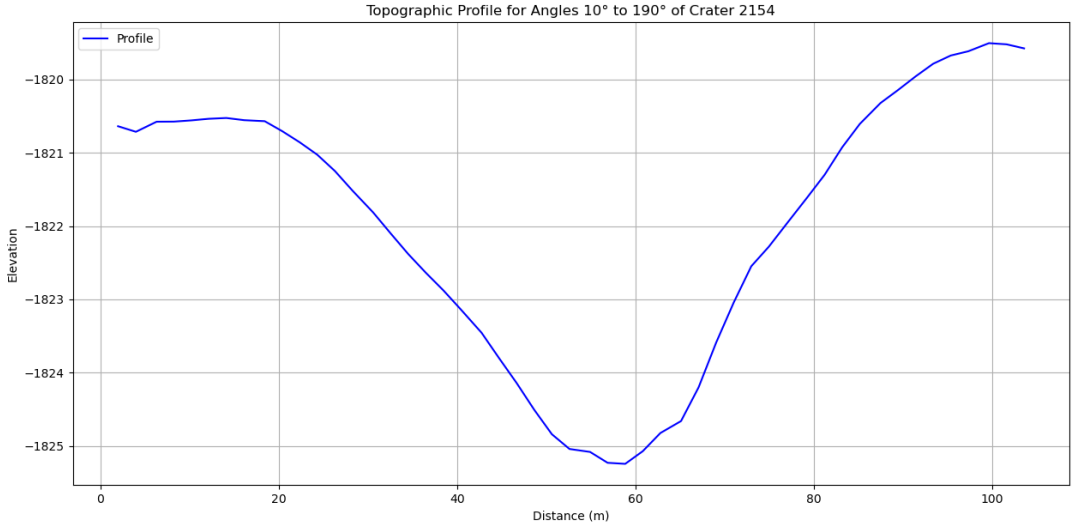
Topographic roughness index (TRI)

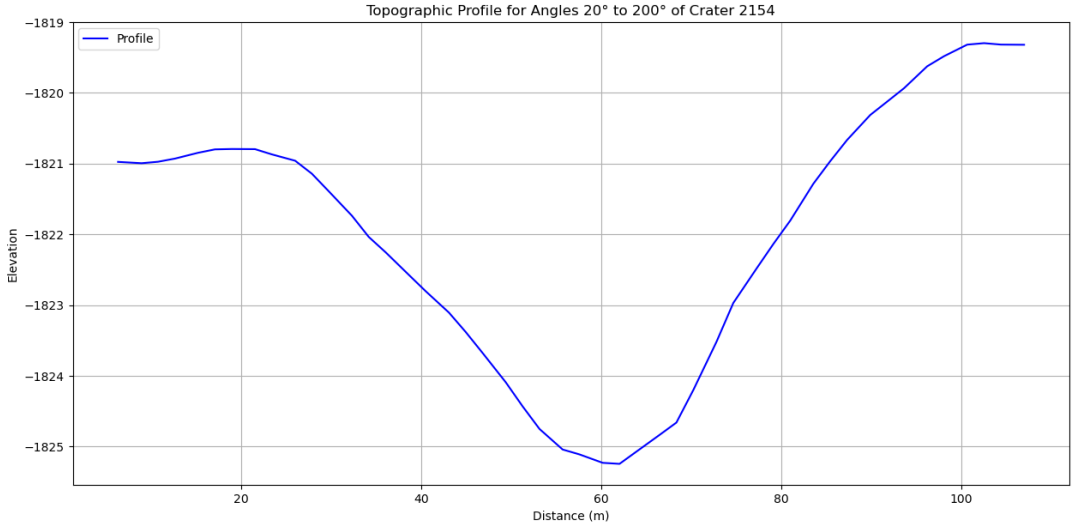
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

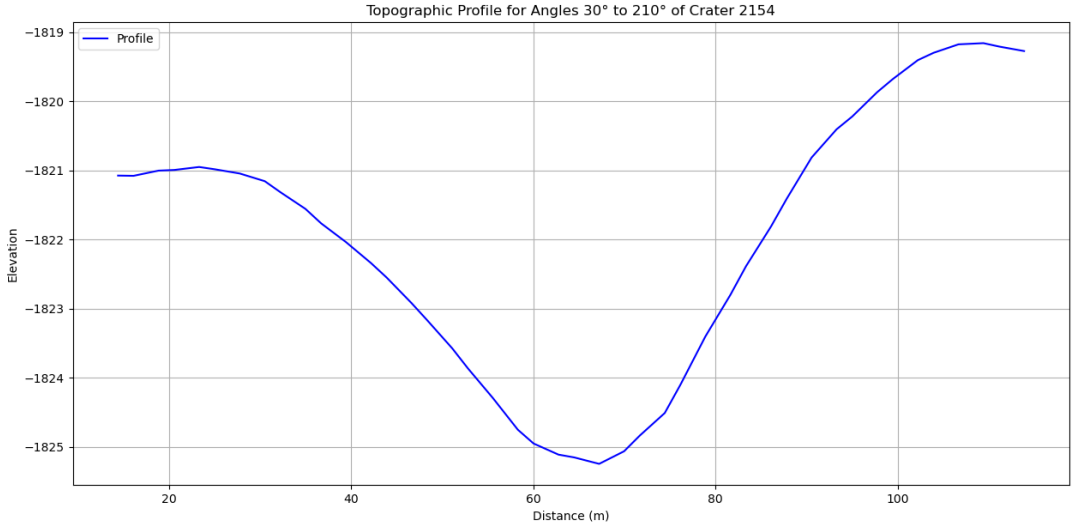


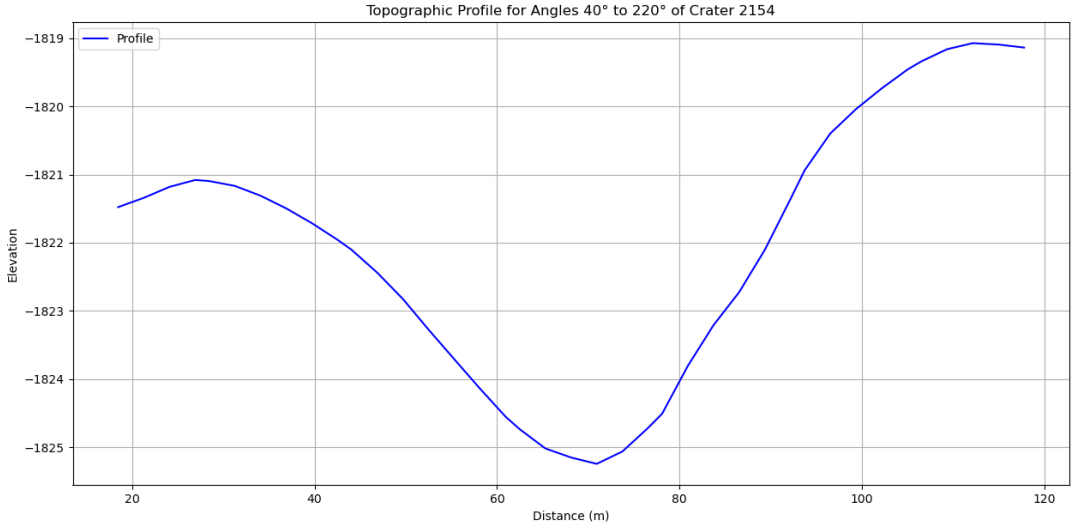
Topographic profiles

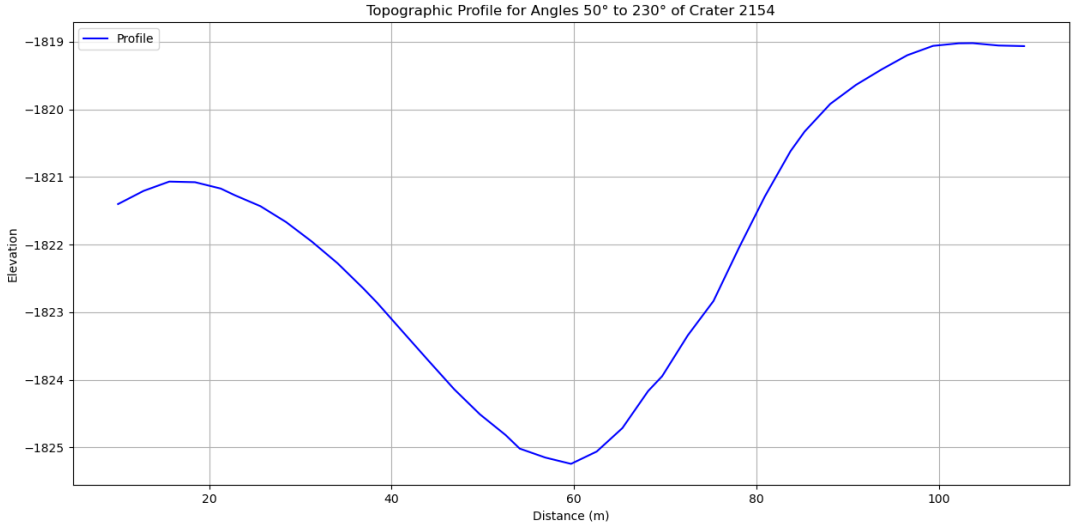


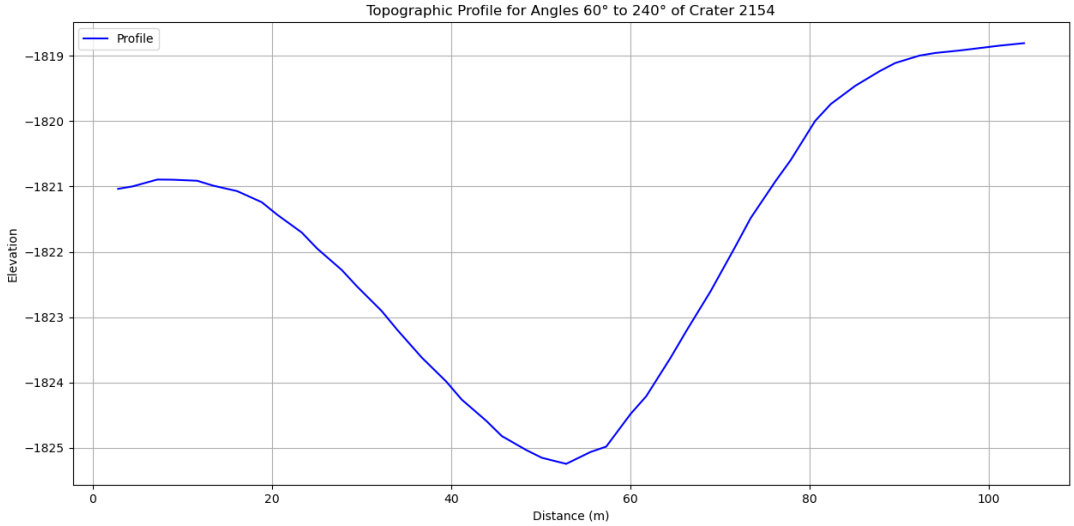

Topographic Profile for Angles 10° to 190° of Crater 2154
Profile
Elevation
−1820
−1821
−1822
−1823
−1824
−1825
0
20
40
60
80
100
Distance (m)

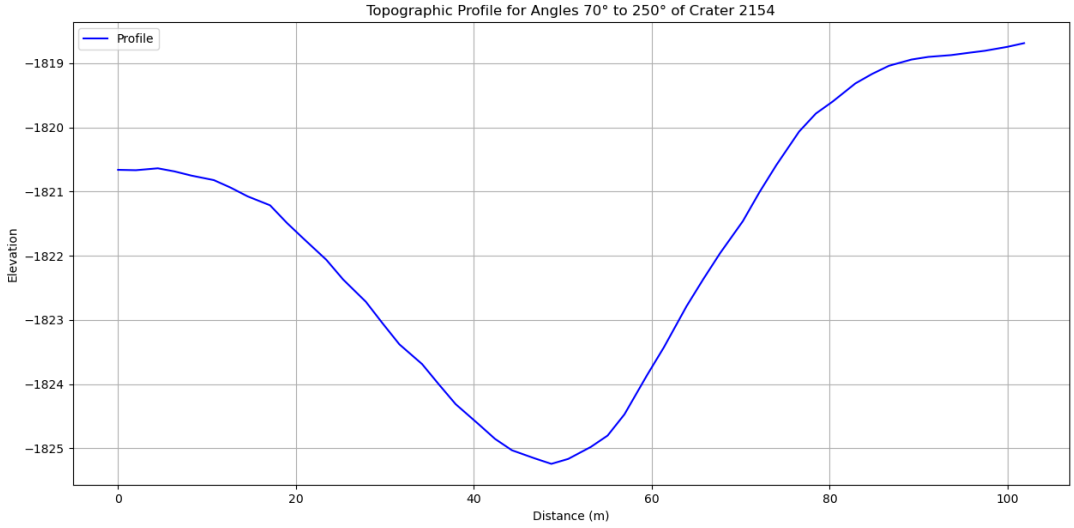

Topographic Profile for Angles 20° to 200° of Crater 2154
Profile
Elevation
−1819
−1820
−1821
−1822
−1823
−1824
−1825
20
40
60
80
100
Distance (m)

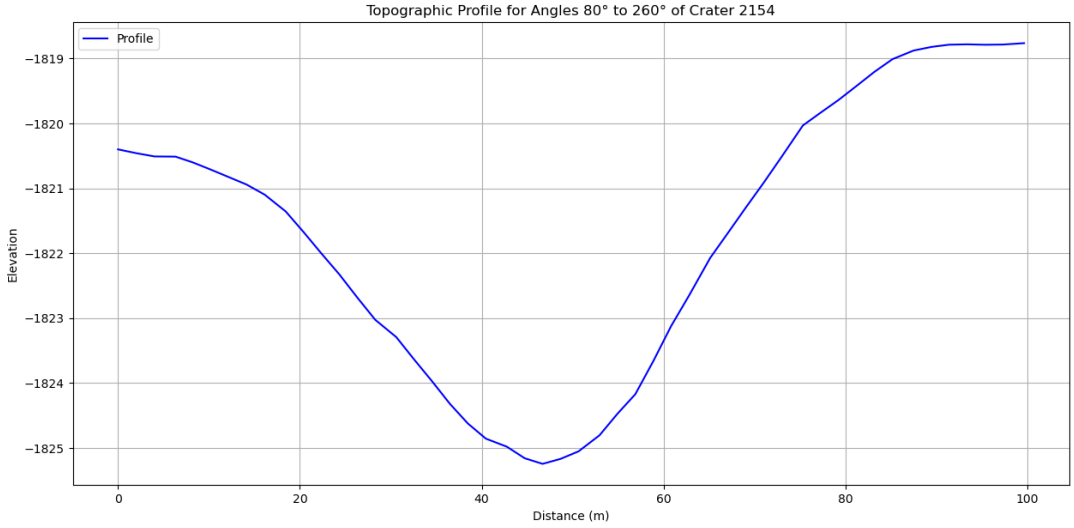

Topographic Profile for Angles 30° to 210° of Crater 2154
Profile
Elevation
Distance (m)
−1819
−1820
−1821
−1822
−1823
−1824
−1825
20
40
60
80
100

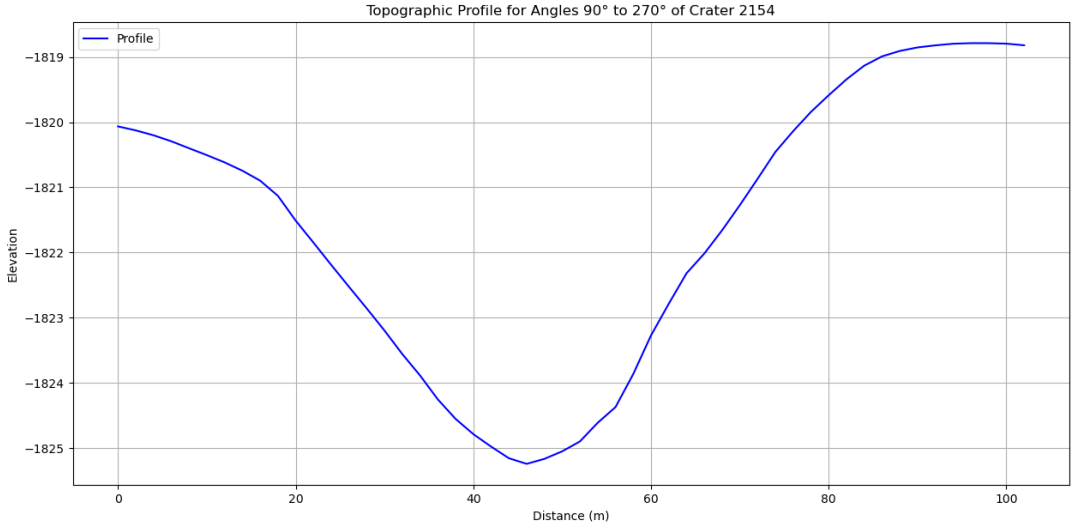

Topographic Profile for Angles 40° to 220° of Crater 2154
Profile
Elevation
Distance (m)
−1819
−1820
−1821
−1822
−1823
−1824
−1825
20
40
60
80
100
120

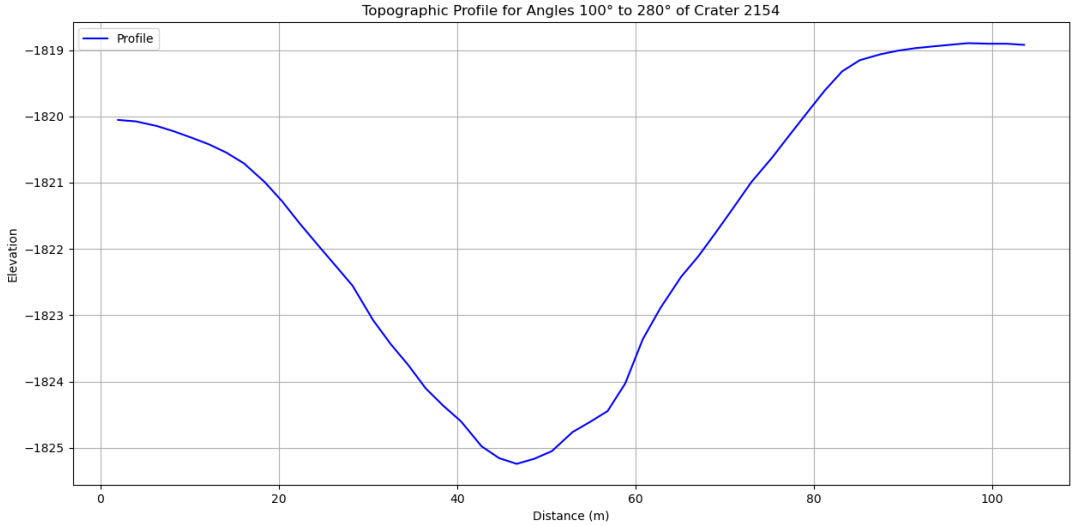

Topographic Profile for Angles 50° to 230° of Crater 2154
Profile
Elevation
−1819
−1820
−1821
−1822
−1823
−1824
−1825
20
40
60
80
100
Distance (m)

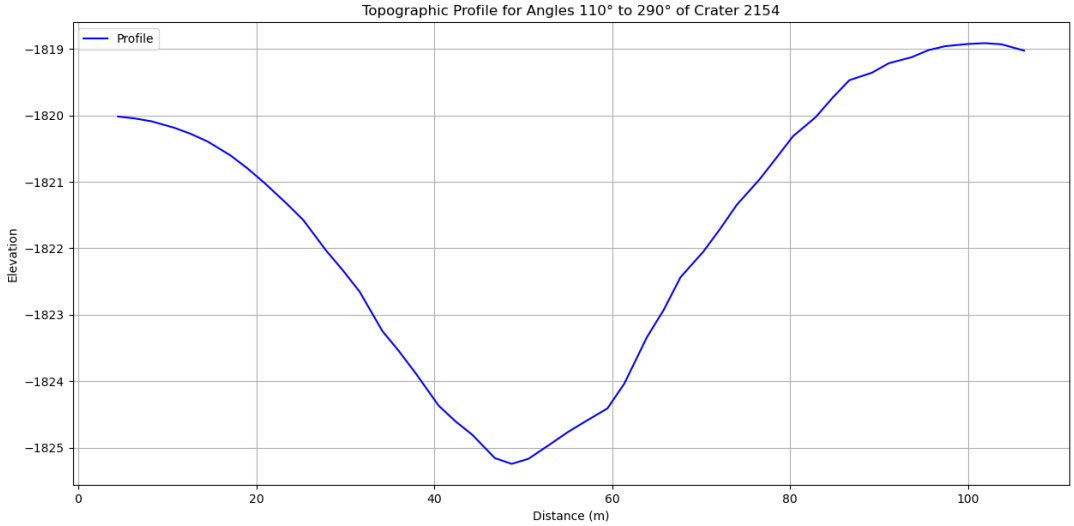

Topographic Profile for Angles 60° to 240° of Crater 2154
Profile
Elevation
−1819
−1820
−1821
−1822
−1823
−1824
−1825
0
20
40
60
80
100
Distance (m)

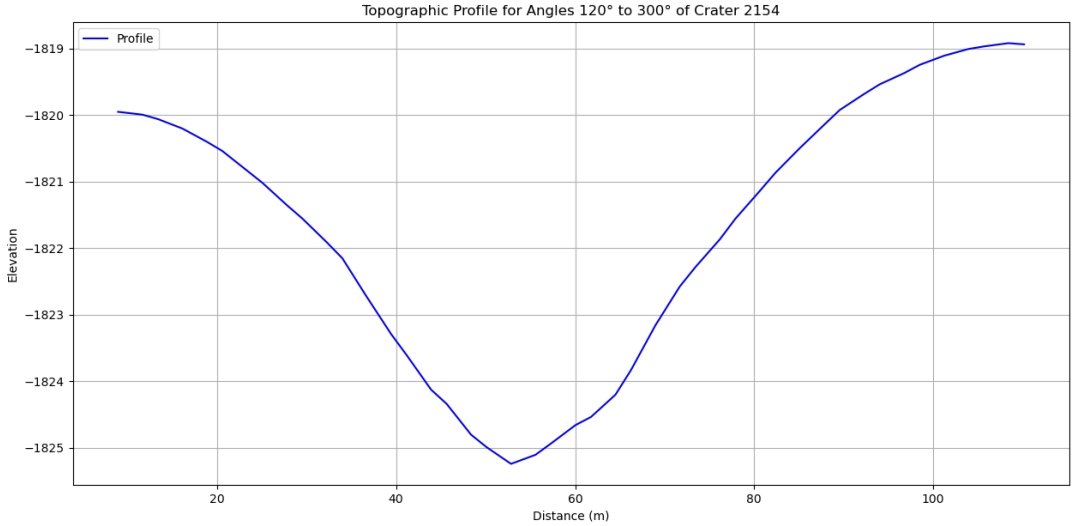

Topographic Profile for Angles 70° to 250° of Crater 2154
Profile
Elevation
Distance (m)
−1819
−1820
−1821
−1822
−1823
−1824
−1825
0
20
40
60
80
100

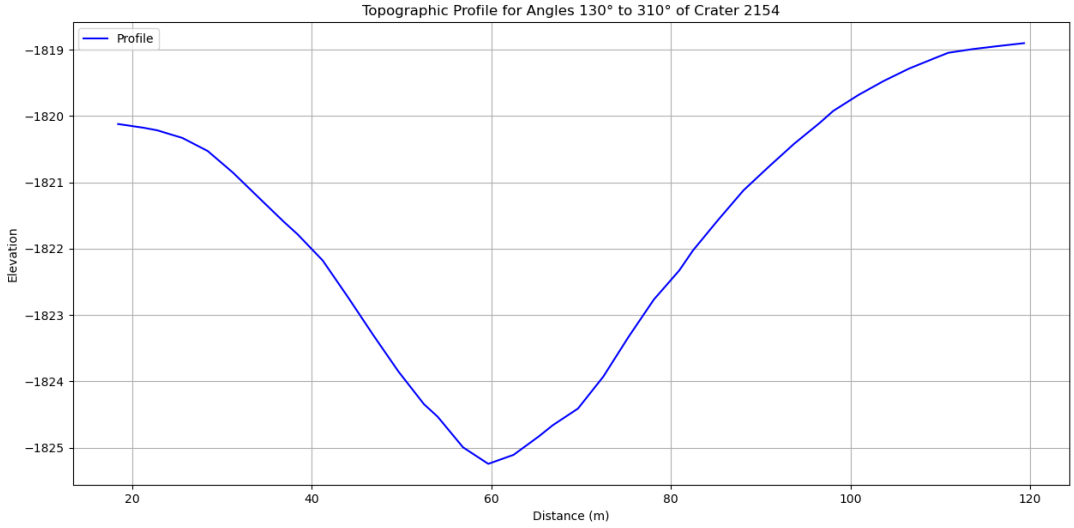

Topographic Profile for Angles 80° to 260° of Crater 2154
Profile
Elevation
Distance (m)
−1819
−1820
−1821
−1822
−1823
−1824
−1825
0
20
40
60
80
100

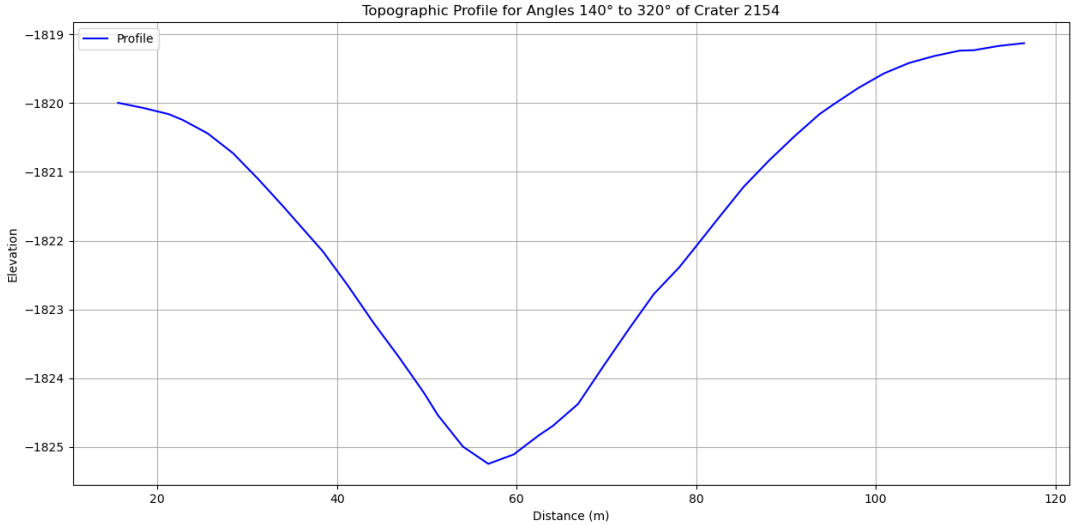

Topographic Profile for Angles 90° to 270° of Crater 2154
Profile
Elevation
−1819
−1820
−1821
−1822
−1823
−1824
−1825
0
20
40
60
80
100
Distance (m)

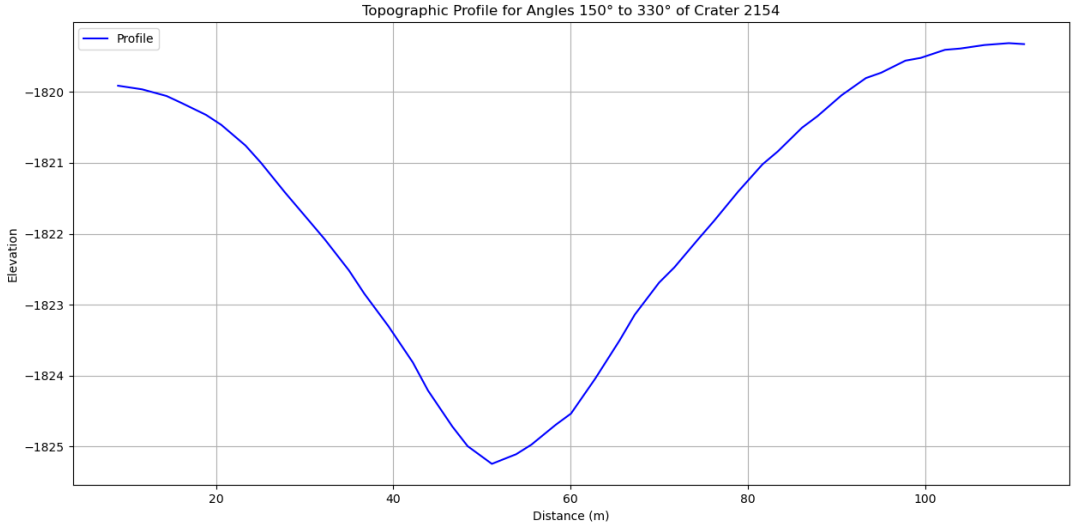

Topographic Profile for Angles 100° to 280° of Crater 2154
Profile
Elevation
−1819
−1820
−1821
−1822
−1823
−1824
−1825
0
20
40
60
80
100
Distance (m)

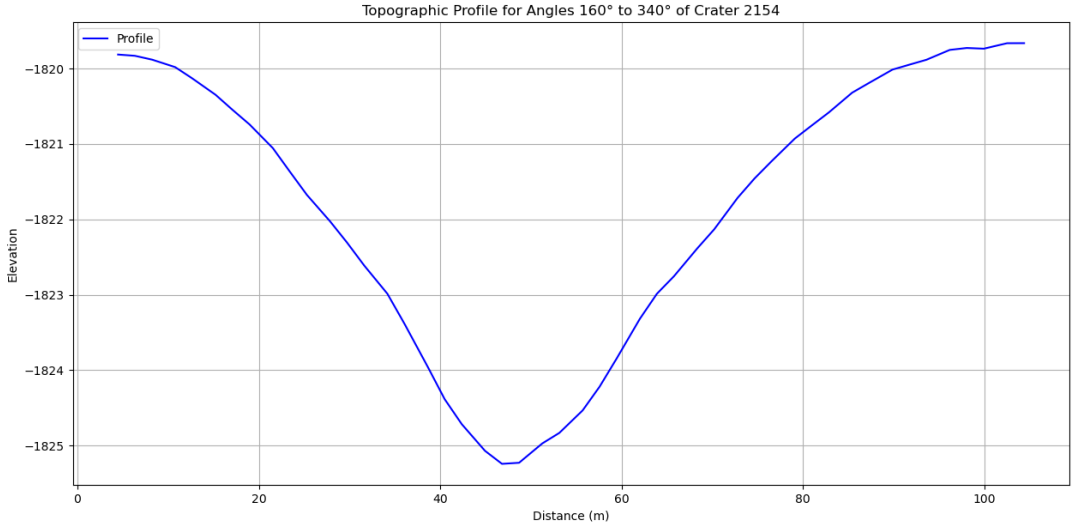

Topographic Profile for Angles 110° to 290° of Crater 2154
Profile
Elevation
Distance (m)
−1819
−1820
−1821
−1822
−1823
−1824
−1825
0
20
40
60
80
100

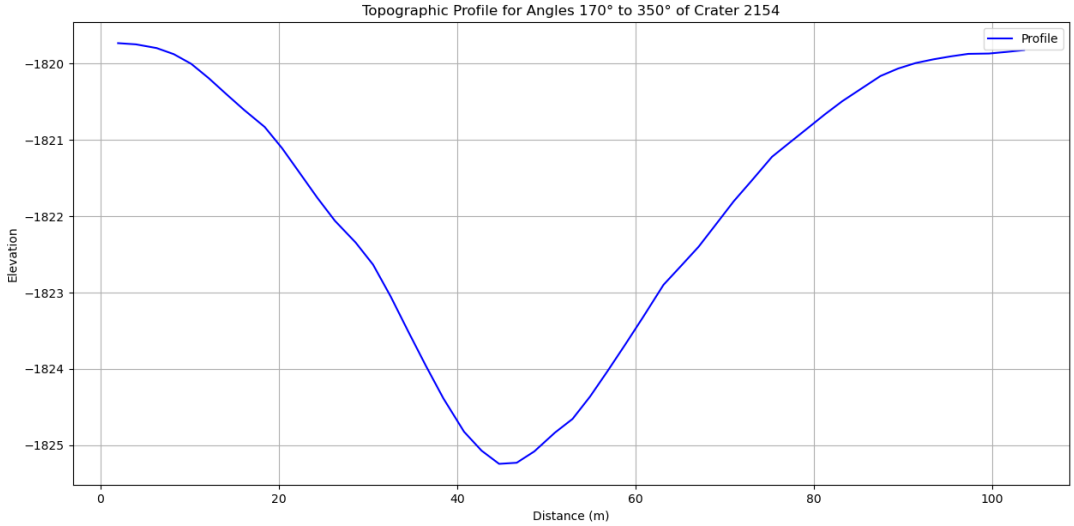

Topographic Profile for Angles 120° to 300° of Crater 2154
Profile
Elevation
Distance (m)
−1819
−1820
−1821
−1822
−1823
−1824
−1825
20
40
60
80
100


Topographic Profile for Angles 130° to 310° of Crater 2154
Profile
Elevation
Distance (m)
−1819
−1820
−1821
−1822
−1823
−1824
−1825
20
40
60
80
100
120


Topographic Profile for Angles 140° to 320° of Crater 2154
Profile
Elevation
Distance (m)
−1819
−1820
−1821
−1822
−1823
−1824
−1825
20
40
60
80
100
120


Topographic Profile for Angles 150° to 330° of Crater 2154
Profile
Elevation
−1820
−1821
−1822
−1823
−1824
−1825
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 2154
Profile
Elevation
−1820
−1821
−1822
−1823
−1824
−1825
0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 2154
Profile
Elevation
−1820
−1821
−1822
−1823
−1824
−1825
0
20
40
60
80
100
Distance (m)