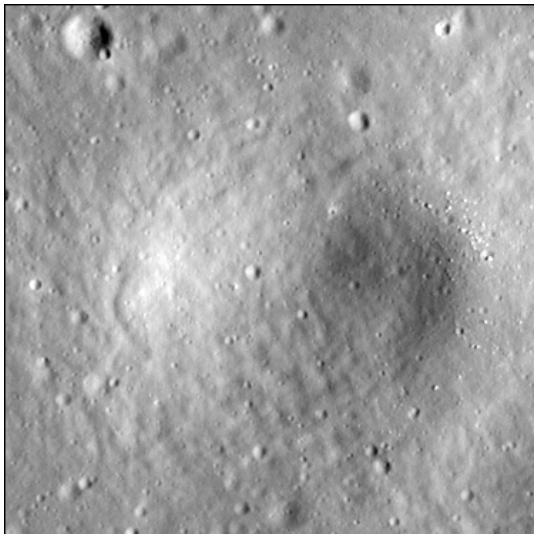
Crater report 1821 of RG2

General information



ID : 1821

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : Unknown

Mean Diameter : 198m ± 8.0m

Mean depht : 15.5m ± 0.8m

d/D ratio : 0.078 ± 0.005

Circularity index : 0.9

Slope : Between 7.05° et 16.01°

Mean value of TRI on the rim crest : 0.24

Geometric center coordinates : (3658562.5030713785, 221513.54992761984)

Coordinates of the crater's lowest point : (3658585.000001101, 221521.00000006534)

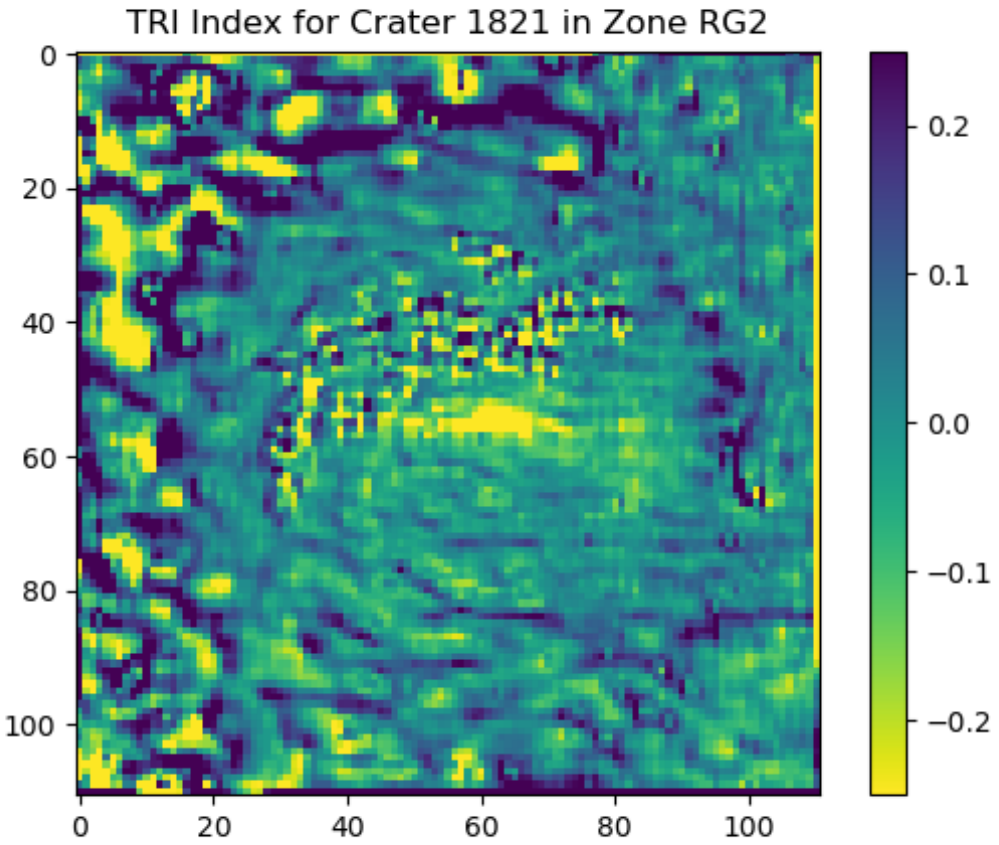
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	16.01	0.56
10°	15.7	0.54
20°	14.93	0.51
30°	14.95	0.48
40°	14.67	0.43
50°	13.45	0.43
60°	10.93	0.49
70°	9.33	0.52
80°	8.53	0.55
90°	8.24	0.57
100°	7.37	0.55
110°	7.05	0.52

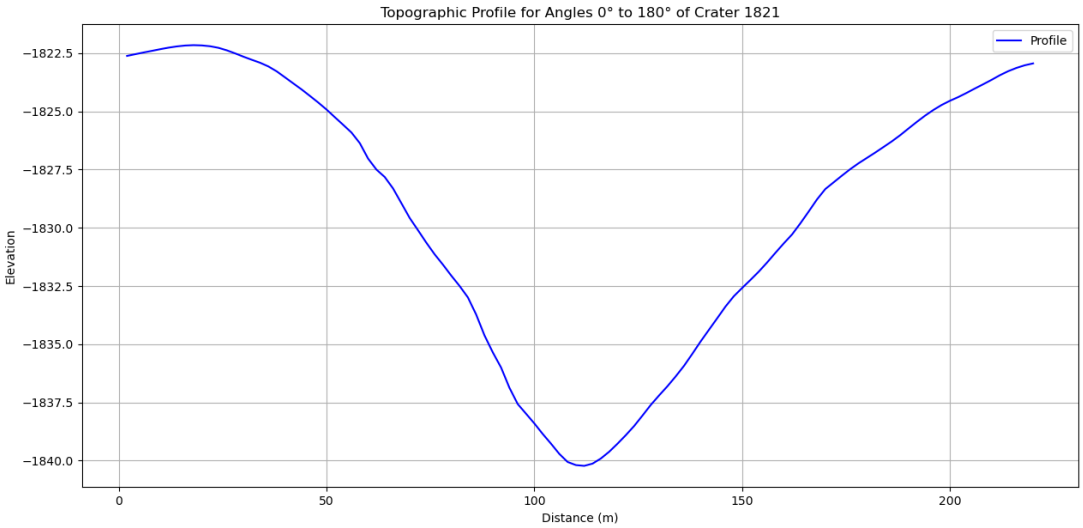
120°	8.14	0.48
130°	9.24	0.43
140°	10.32	0.43
150°	11.02	0.49
160°	11.25	0.51
170°	10.38	0.55
180°	11.15	0.57
190°	10.7	0.54
200°	9.88	0.51
210°	9.69	0.48
220°	10.38	0.44
230°	10.01	0.44
240°	10.75	0.48
250°	11.95	0.51
260°	14.37	0.54
270°	15.82	0.56
280°	14.76	0.54
290°	13.64	0.51
300°	13.7	0.47
310°	14.49	0.43
320°	15.21	0.43
330°	14.54	0.47
340°	14.43	0.51
350°	15.49	0.54

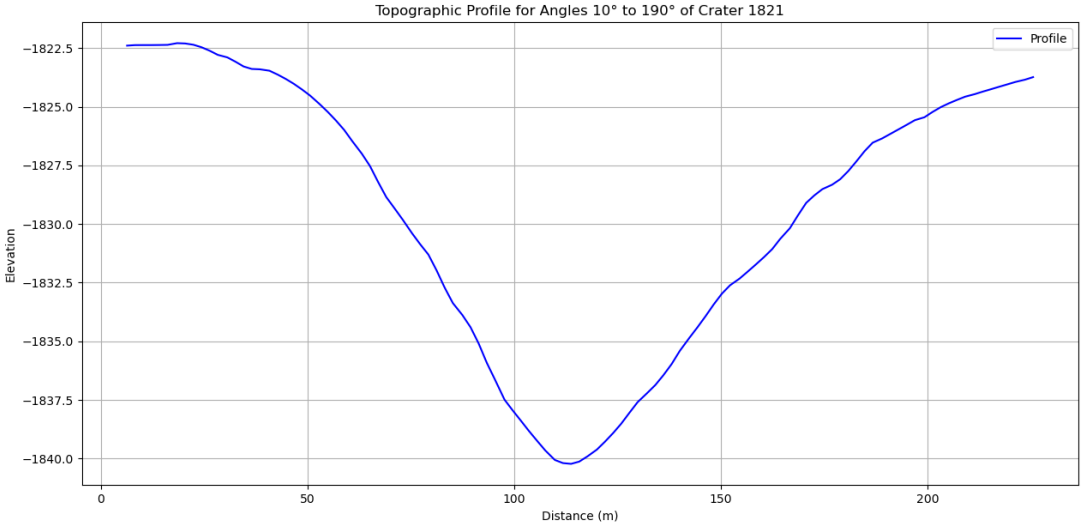
Topographic roughness index (TRI)

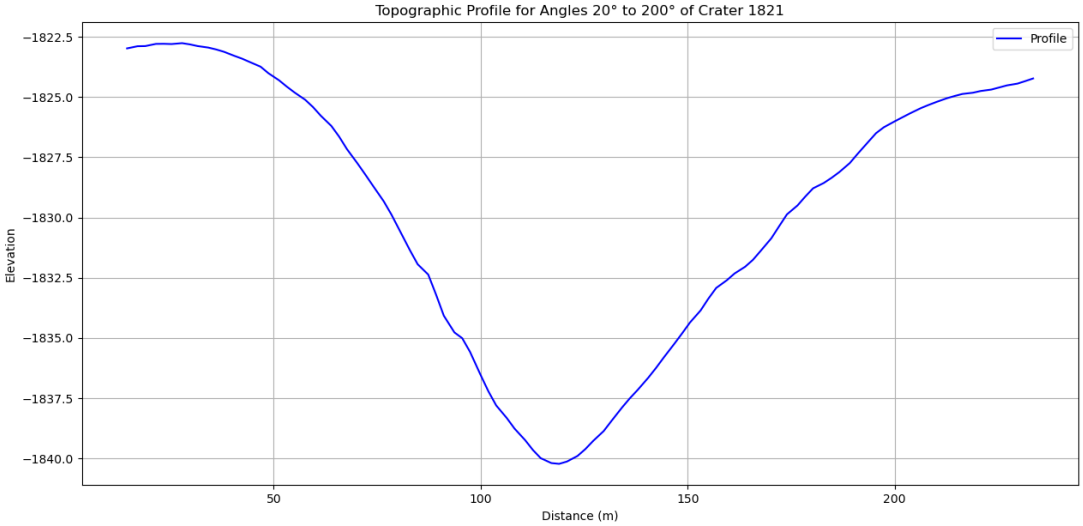
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

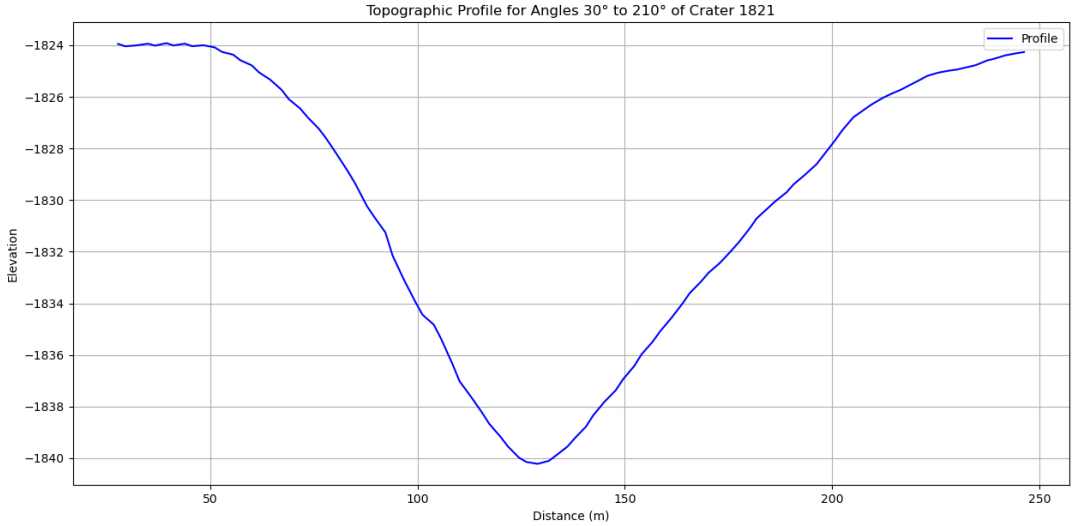


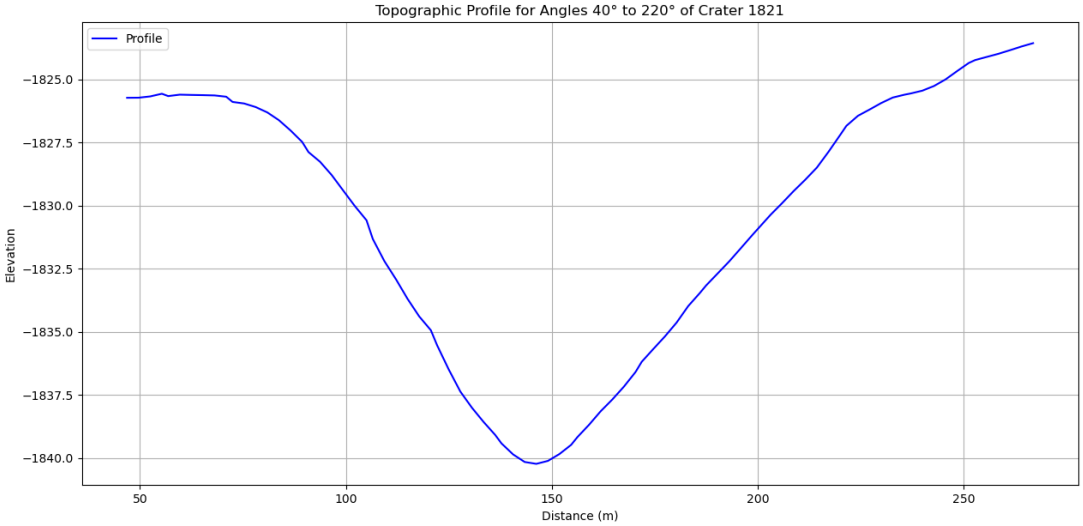
Topographic profiles

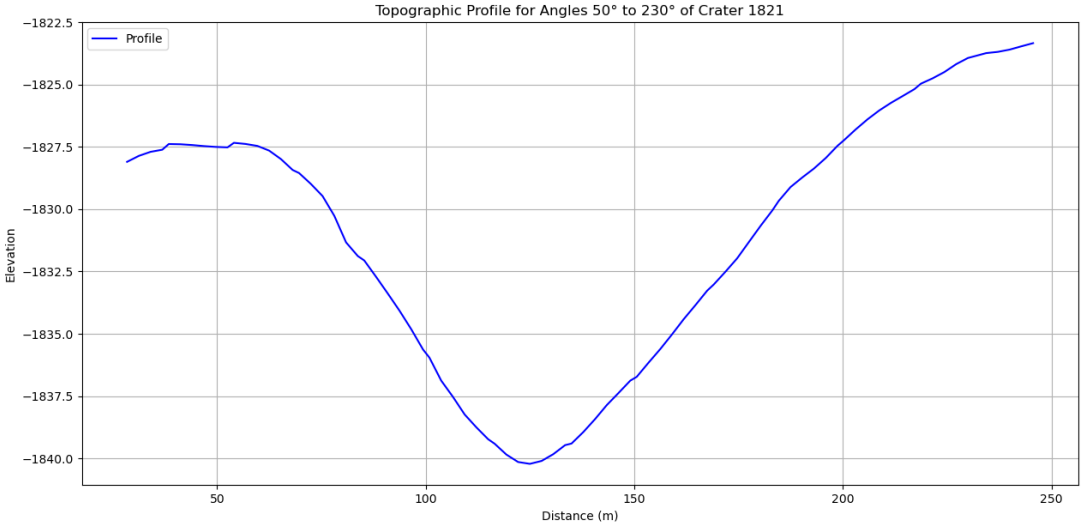


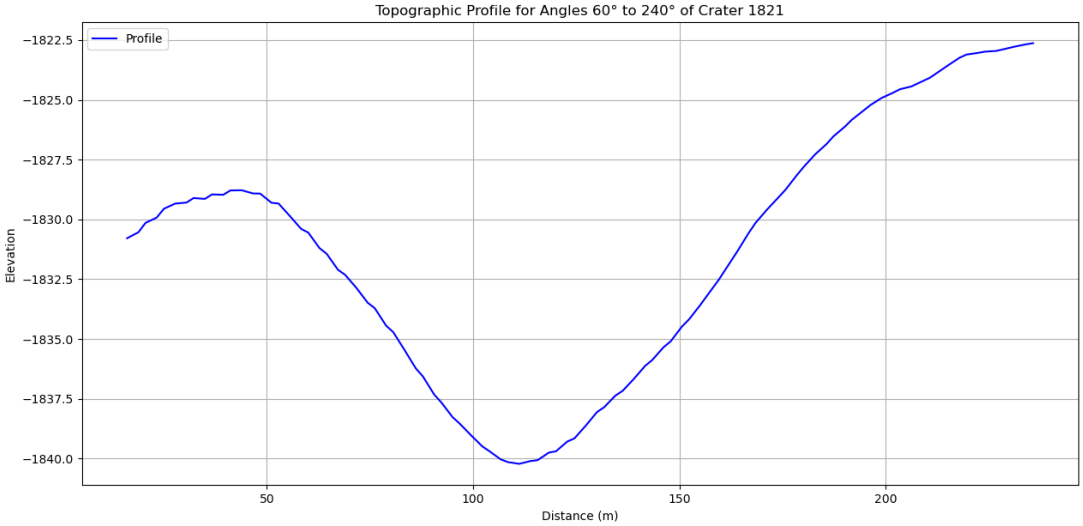

Topographic Profile for Angles 10° to 190° of Crater 1821
Profile
Elevation
−1822.5
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
0
50
100
150
200
Distance (m)

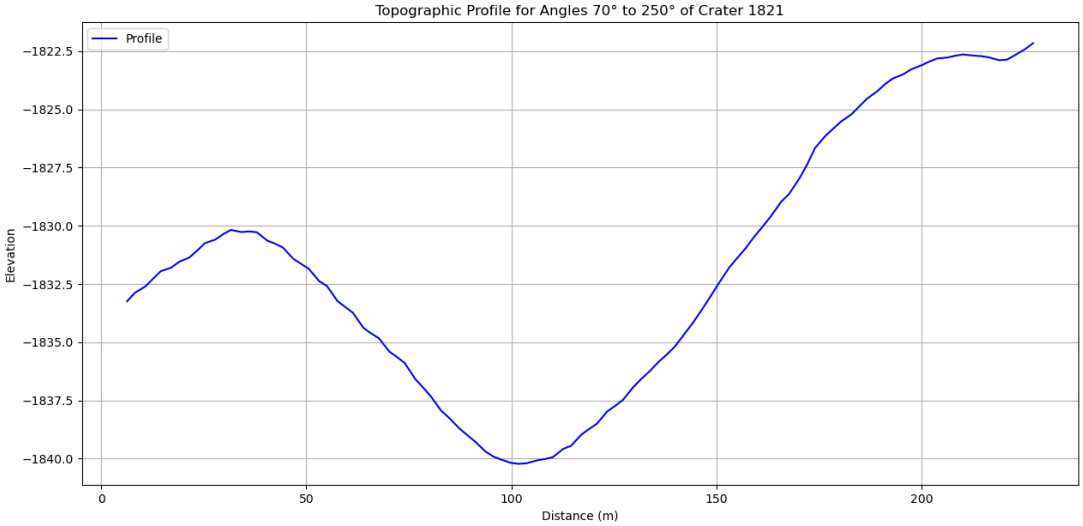

Topographic Profile for Angles 20° to 200° of Crater 1821
Profile
Elevation
−1822.5
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
50
100
150
200
Distance (m)

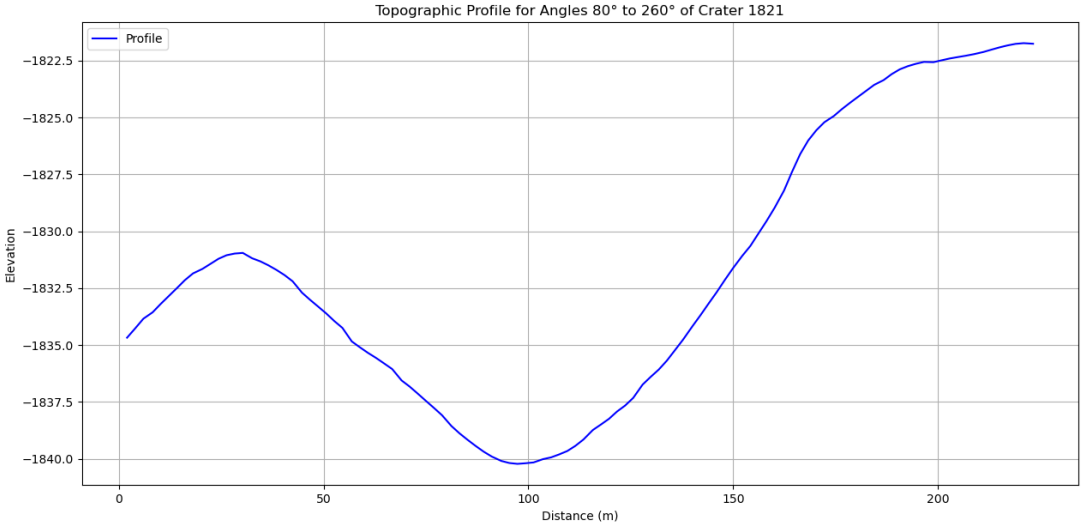

Topographic Profile for Angles 30° to 210° of Crater 1821
Profile
Elevation
Distance (m)
−1824
−1826
−1828
−1830
−1832
−1834
−1836
−1838
−1840
50
100
150
200
250

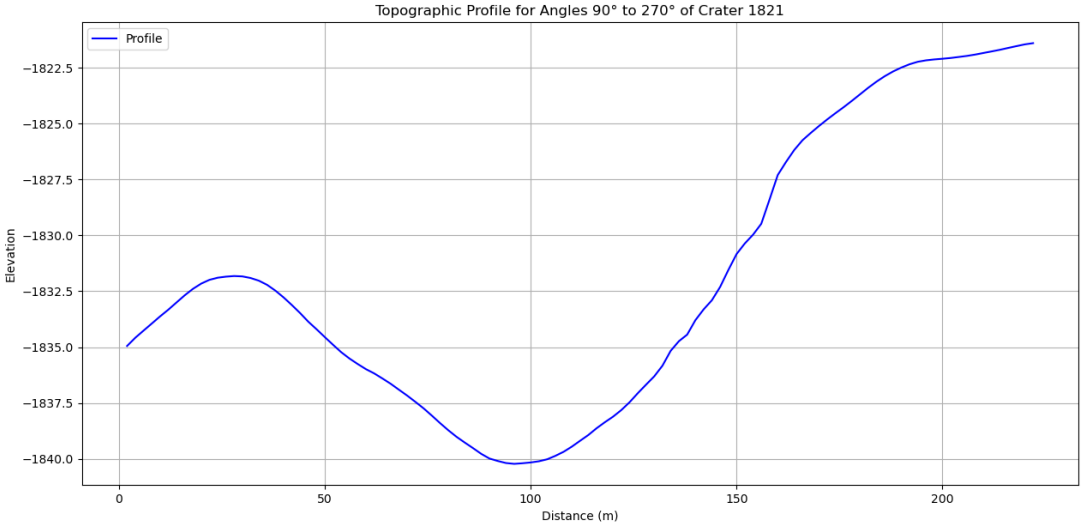

Topographic Profile for Angles 40° to 220° of Crater 1821
Profile
Elevation
Distance (m)
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
50
100
150
200
250

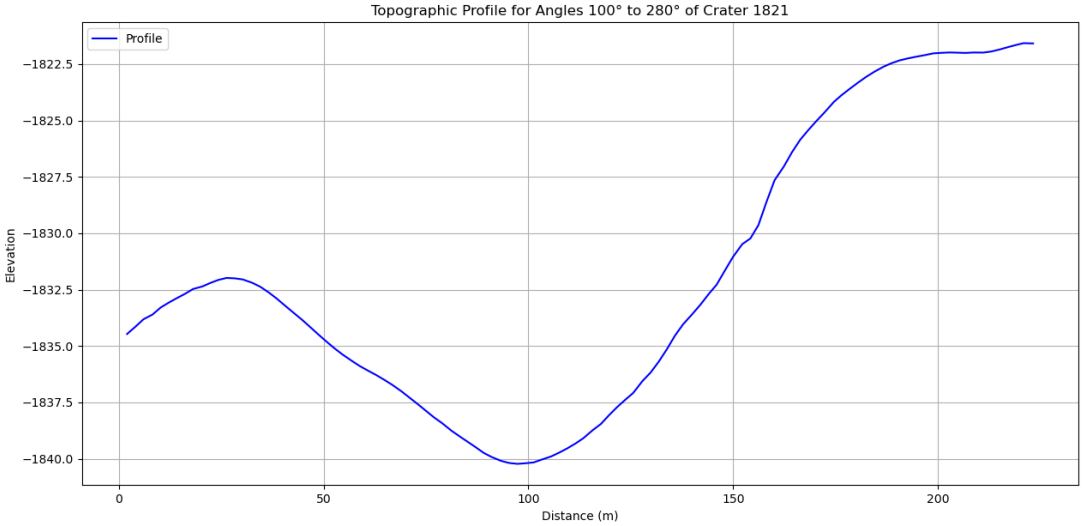

Topographic Profile for Angles 50° to 230° of Crater 1821
Profile
Elevation
Distance (m)
−1822.5
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
50
100
150
200
250

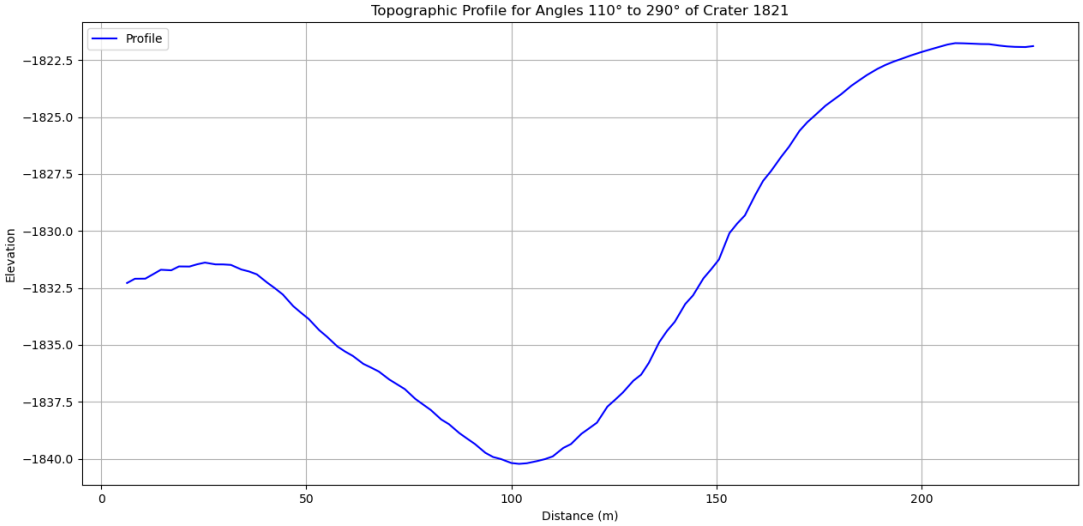

Topographic Profile for Angles 60° to 240° of Crater 1821
Profile
Elevation
Distance (m)
−1822.5
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
50
100
150
200

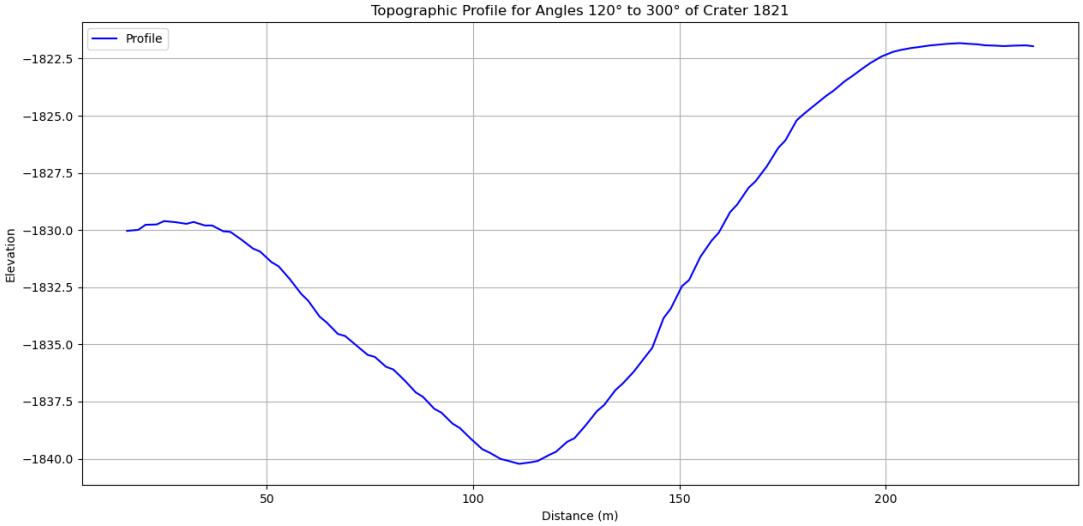

Topographic Profile for Angles 70° to 250° of Crater 1821
Profile
Elevation
−1822.5
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
0
50
100
150
200
Distance (m)

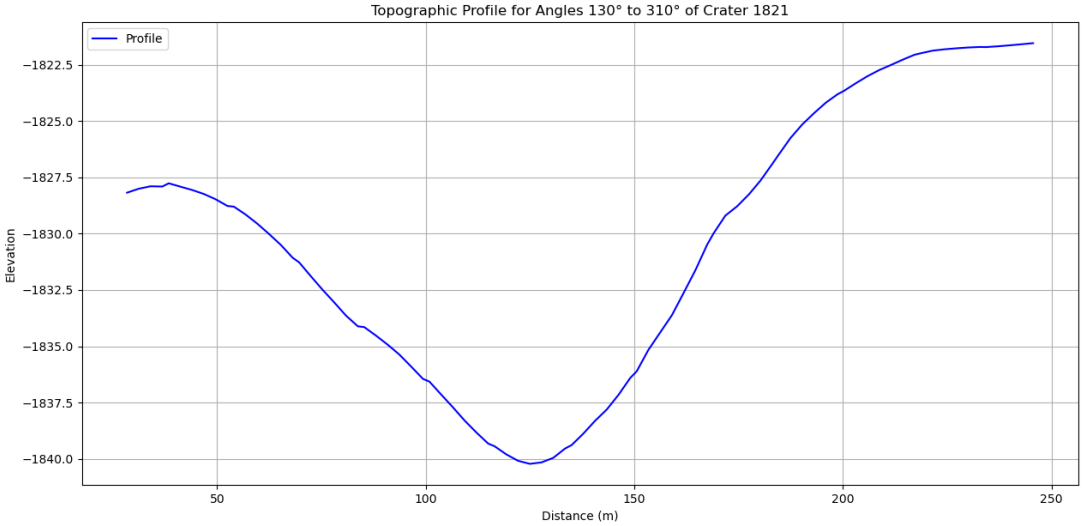

Topographic Profile for Angles 80° to 260° of Crater 1821
Profile
Elevation
−1822.5
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
0
50
100
150
200
Distance (m)

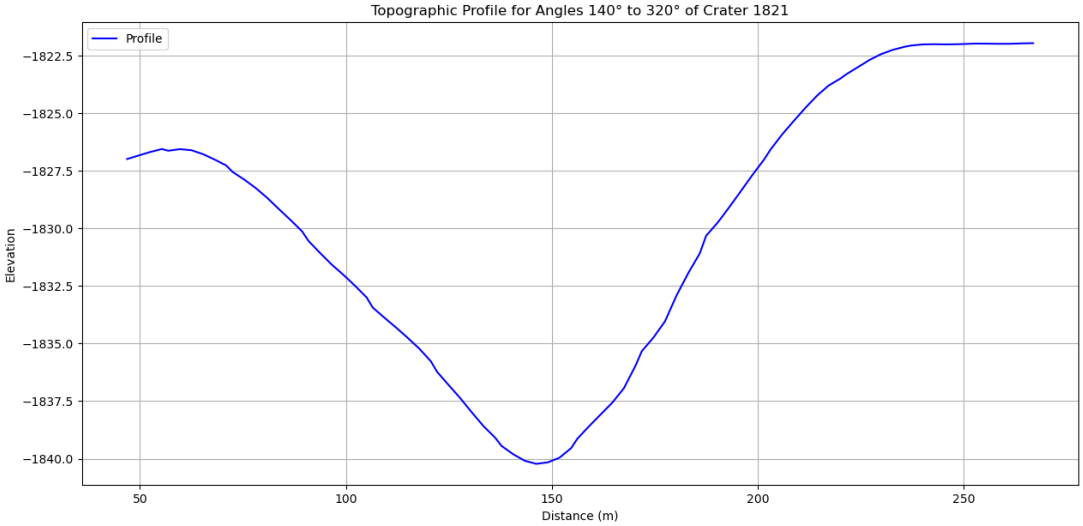

Topographic Profile for Angles 90° to 270° of Crater 1821
Profile
Elevation
−1822.5
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
0
50
100
150
200
Distance (m)

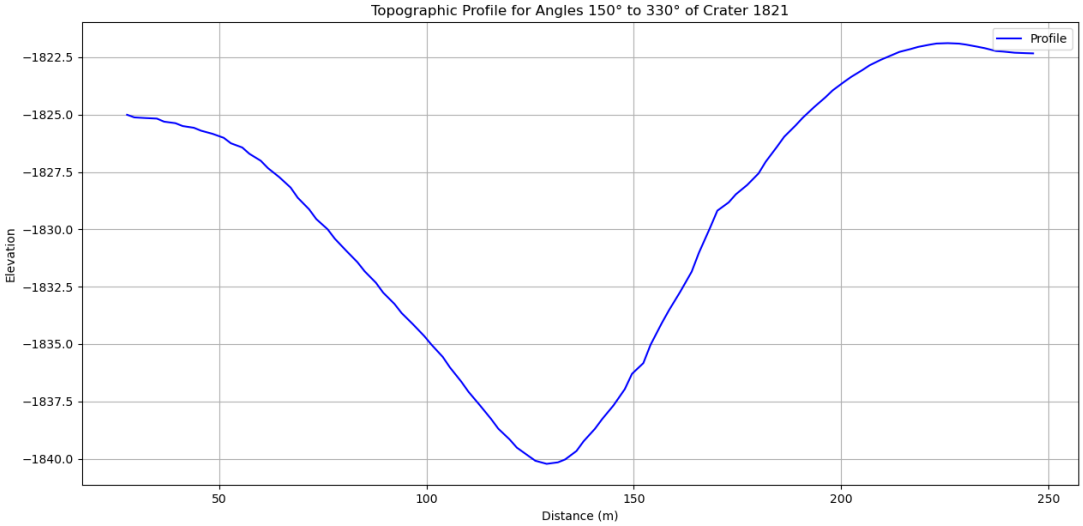

Topographic Profile for Angles 100° to 280° of Crater 1821
Profile
Elevation
−1822.5
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
0
50
100
150
200
Distance (m)

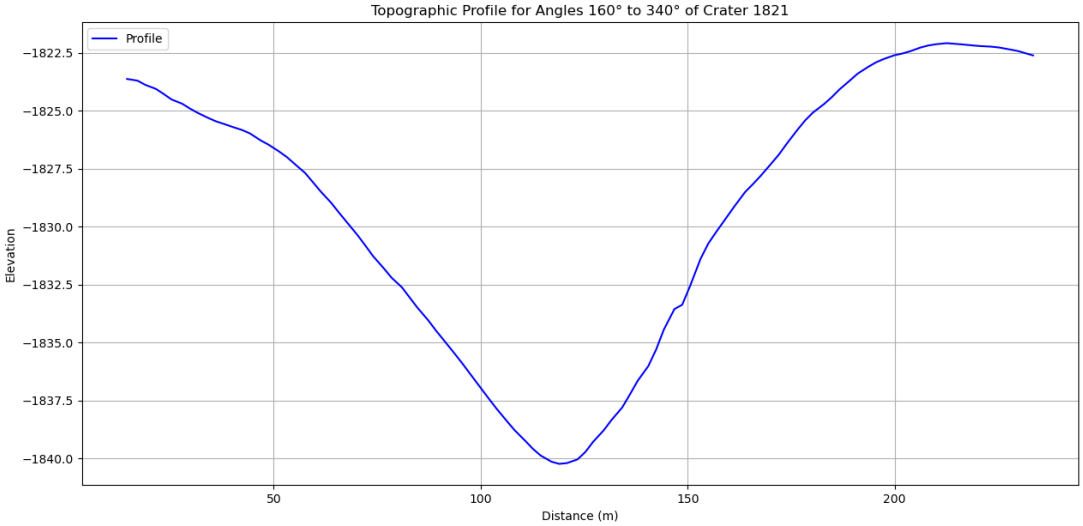

Topographic Profile for Angles 110° to 290° of Crater 1821
Profile
Elevation
−1822.5
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
0
50
100
150
200
Distance (m)

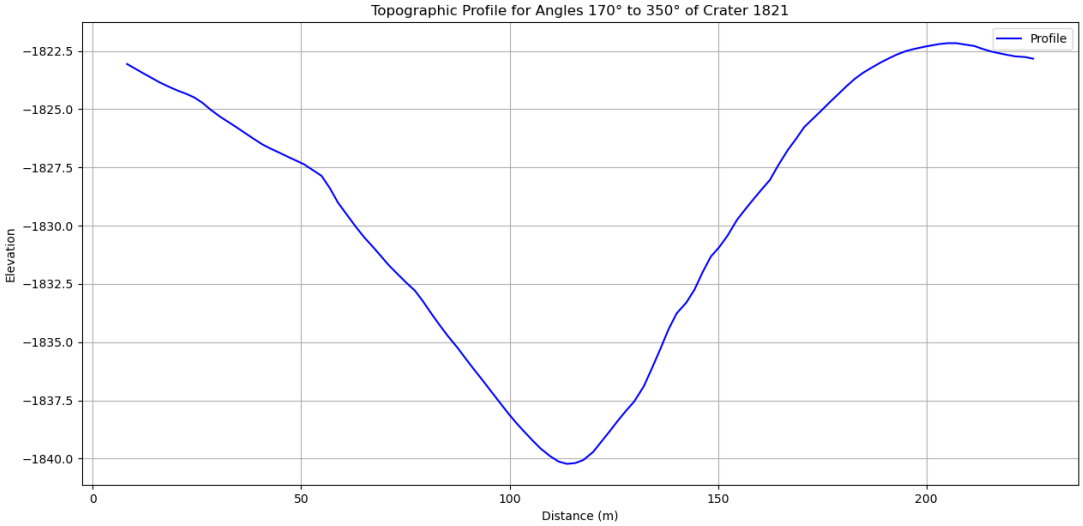

Topographic Profile for Angles 120° to 300° of Crater 1821
Profile
Elevation
−1822.5
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
50
100
150
200
Distance (m)


Topographic Profile for Angles 130° to 310° of Crater 1821
Profile
Elevation
−1822.5
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
50
100
150
200
250
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 1821
Profile
Elevation
−1822.5
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
50
100
150
200
250
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 1821
Profile
Elevation
−1822.5
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
50
100
150
200
250
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 1821
Profile
Elevation
−1822.5
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
50
100
150
200
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 1821
Profile
Elevation
−1822.5
−1825.0
−1827.5
−1830.0
−1832.5
−1835.0
−1837.5
−1840.0
0
50
100
150
200
Distance (m)