Crater report 686 of RG2

General information

ID : 686

Study area : RG2

Swirl : on-swirl

Morphology : Bowl-shaped

Estimate state of degradation : C

Mean Diameter : 105m ± 4.0m

Mean depht : 5.8m ± 0.4m

d/D ratio : 0.055 ± 0.004

Circularity index : 0.97

Slope : Between 5.63° et 9.67°

Mean value of TRI on the rim crest : 0.02

Geometric center coordinates : (3655869.8536441876, 229323.00494320758)

Coordinates of the crater's lowest point : (3655871.0000011, 229313.00000006767)

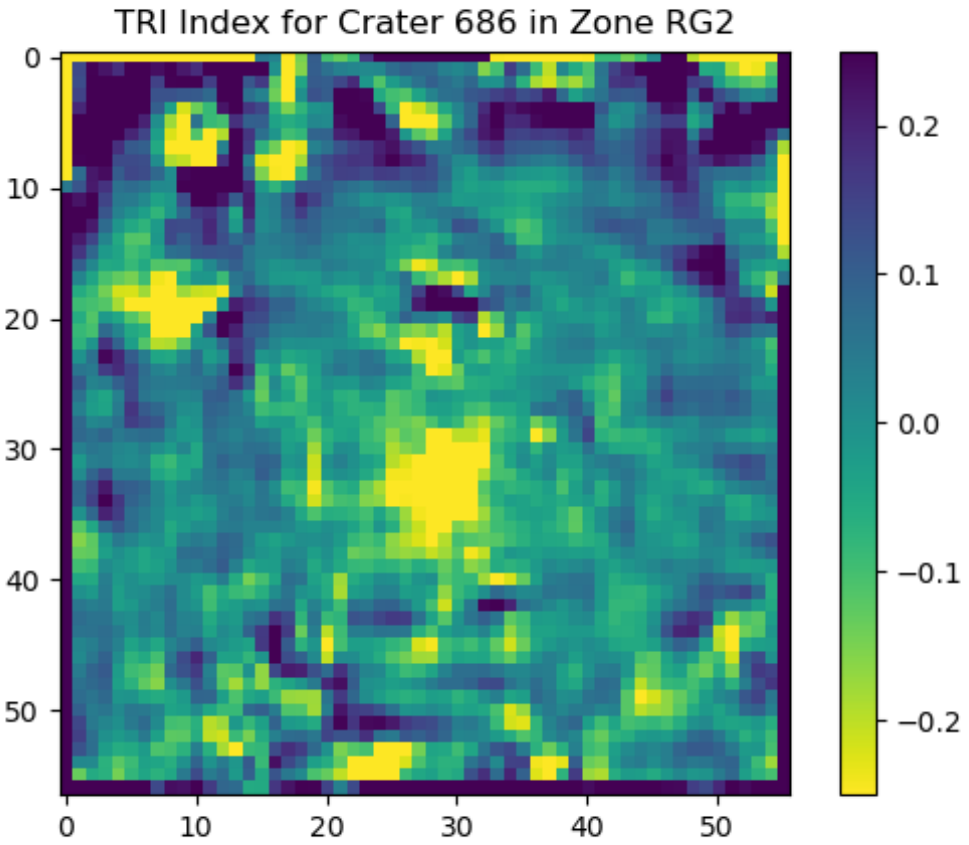
Slopes data

North orientation	Slope (°)	Uncertainty (°)
0/360°	9.67	0.57
10°	9.62	0.53
20°	8.96	0.52
30°	9.07	0.48
40°	9.59	0.42
50°	9.37	0.44
60°	9.22	0.47
70°	9.14	0.53
80°	8.66	0.55
90°	8.51	0.57
100°	7.7	0.55
110°	7.13	0.51

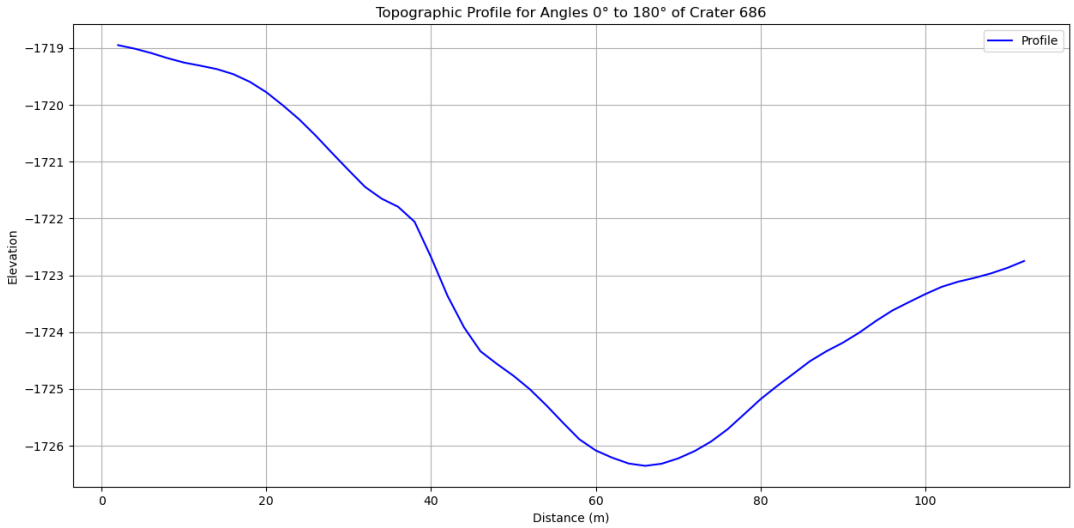
120°	6.39	0.48
130°	6.23	0.42
140°	5.99	0.42
150°	5.63	0.48
160°	5.72	0.52
170°	5.74	0.54
180°	5.96	0.57
190°	5.71	0.55
200°	6.17	0.51
210°	6.19	0.48
220°	6.9	0.42
230°	7.47	0.42
240°	6.96	0.48
250°	7.48	0.52
260°	8.03	0.55
270°	8.7	0.57
280°	8.45	0.55
290°	8.38	0.51
300°	8.87	0.48
310°	9.11	0.42
320°	9.35	0.42
330°	8.67	0.47
340°	8.85	0.51
350°	9.09	0.53

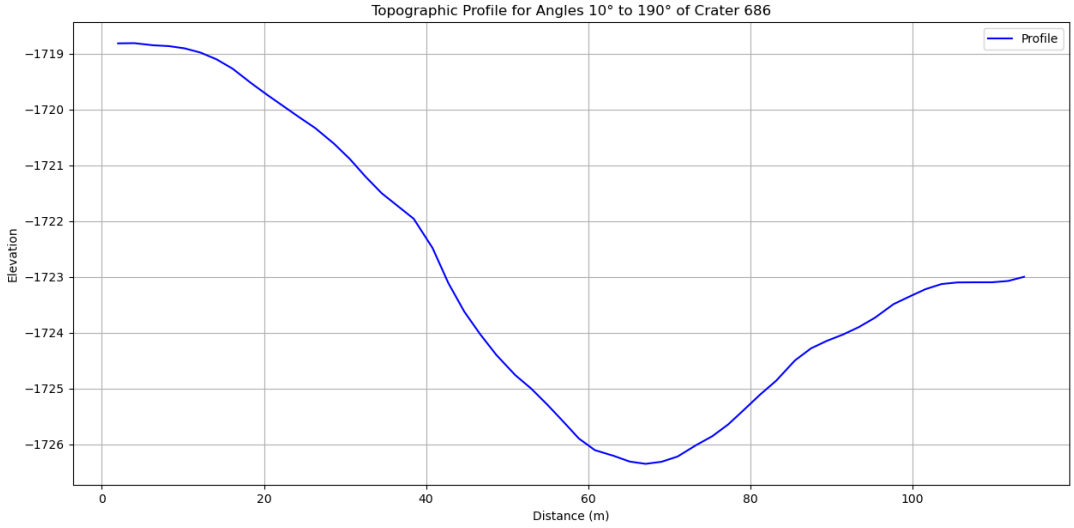
Topographic roughness index (TRI)

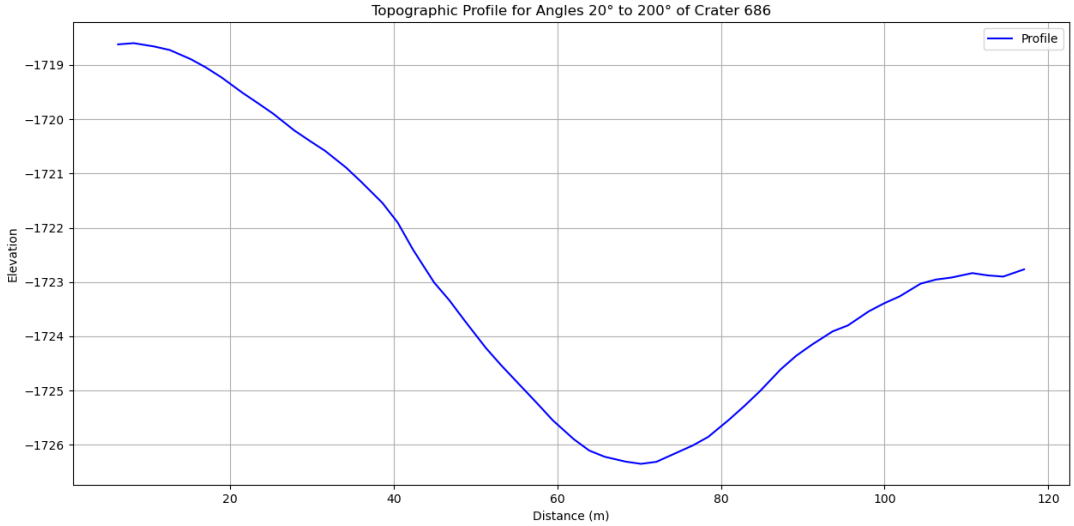
The Topographic Roughness Index (TRI) is a measure used to quantify the ruggedeness or the unevenness of terrain. It reflects how much elevation change over a given area.

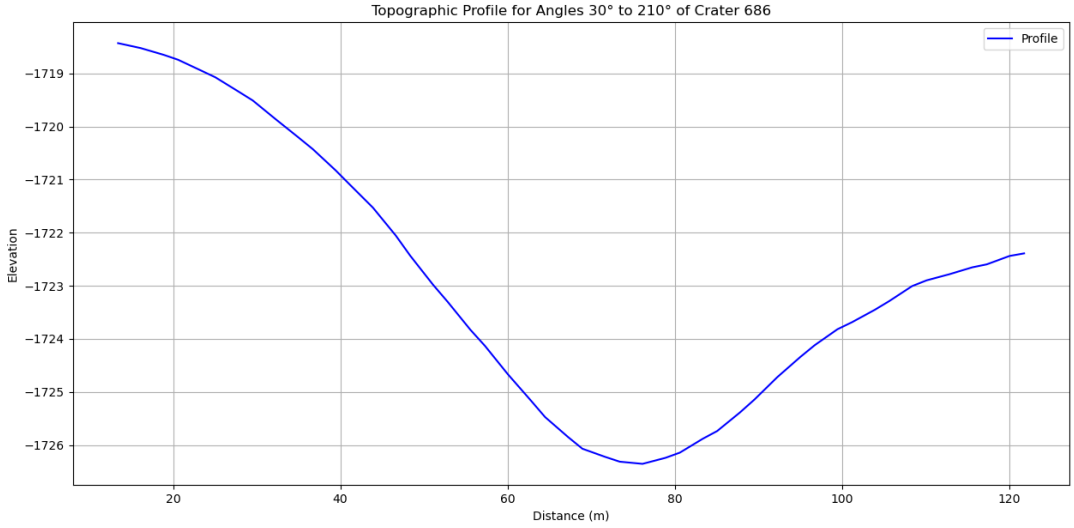


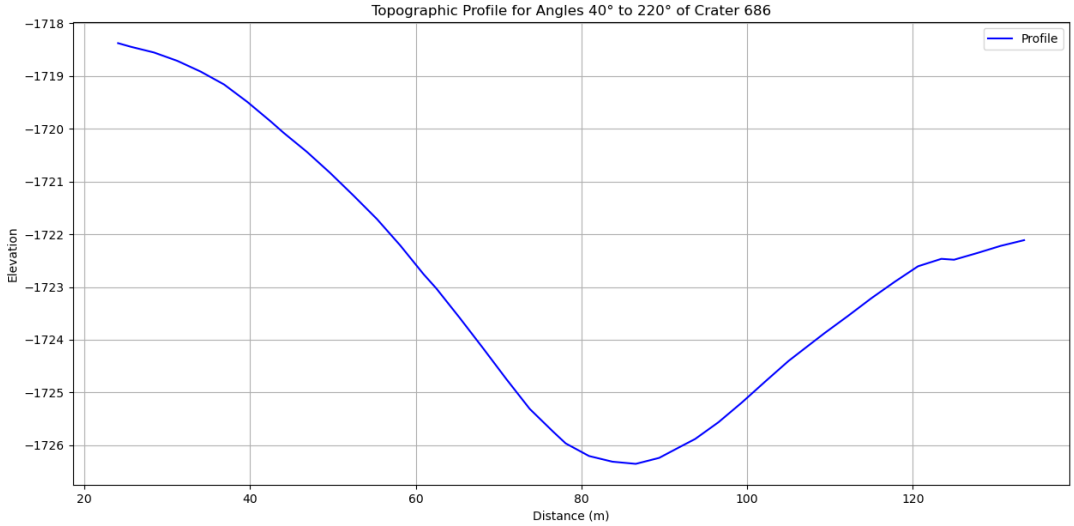
Topographic profiles

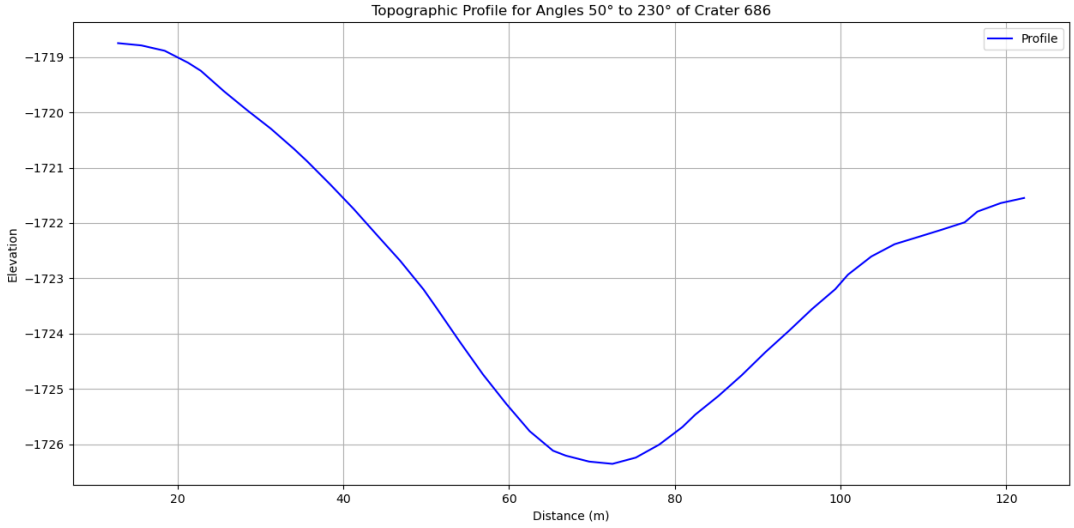


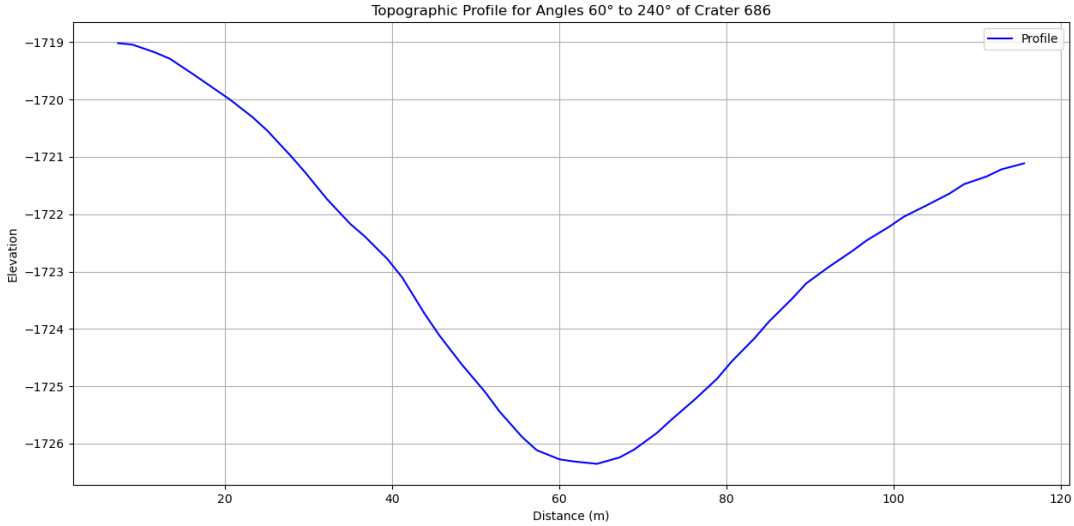

Topographic Profile for Angles 10° to 190° of Crater 686
Profile
Elevation
−1719
−1720
−1721
−1722
−1723
−1724
−1725
−1726
0
20
40
60
80
100
Distance (m)

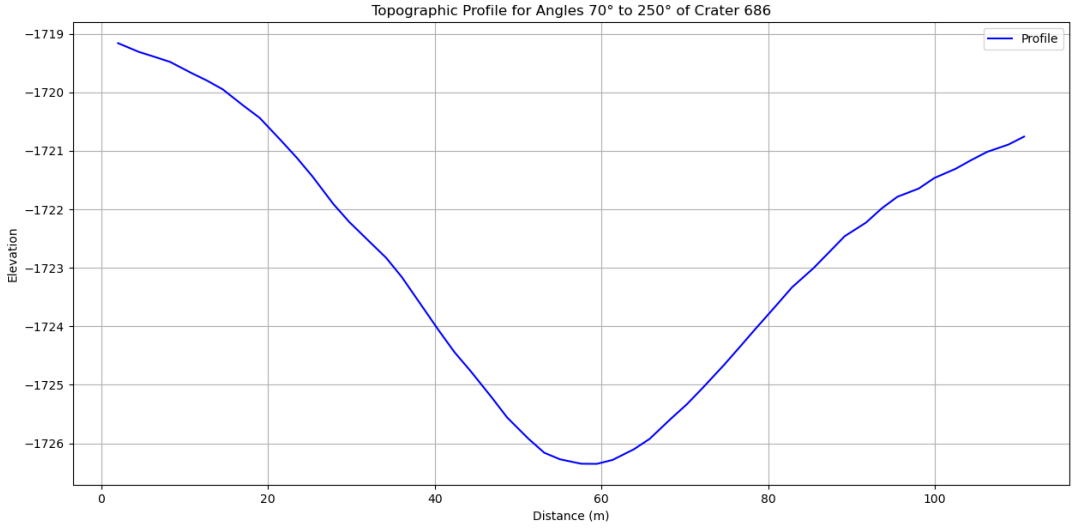

Topographic Profile for Angles 20° to 200° of Crater 686
Profile
Elevation
−1719
−1720
−1721
−1722
−1723
−1724
−1725
−1726
20
40
60
80
100
120
Distance (m)

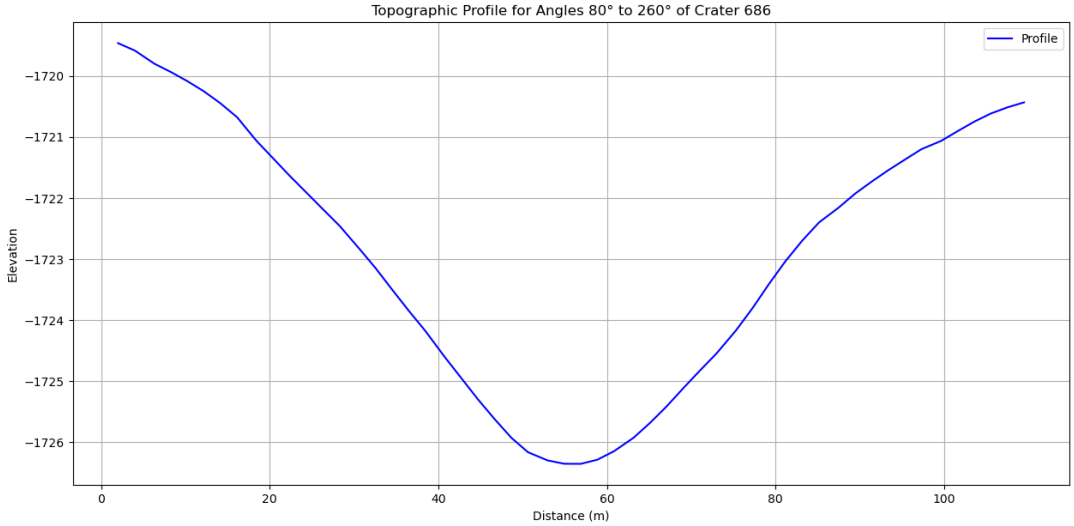

Topographic Profile for Angles 30° to 210° of Crater 686
Profile
Elevation
−1719
−1720
−1721
−1722
−1723
−1724
−1725
−1726
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 40° to 220° of Crater 686
Profile
Elevation
−1718
−1719
−1720
−1721
−1722
−1723
−1724
−1725
−1726
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 50° to 230° of Crater 686
Profile
Elevation
Distance (m)
−1719
−1720
−1721
−1722
−1723
−1724
−1725
−1726
20
40
60
80
100
120


Topographic Profile for Angles 60° to 240° of Crater 686
Profile
Elevation
Distance (m)
−1719
−1720
−1721
−1722
−1723
−1724
−1725
−1726
20
40
60
80
100
120


Topographic Profile for Angles 70° to 250° of Crater 686
Profile
Elevation
Distance (m)
−1719
−1720
−1721
−1722
−1723
−1724
−1725
−1726
0
20
40
60
80
100


Topographic Profile for Angles 80° to 260° of Crater 686
Profile
Elevation
Distance (m)
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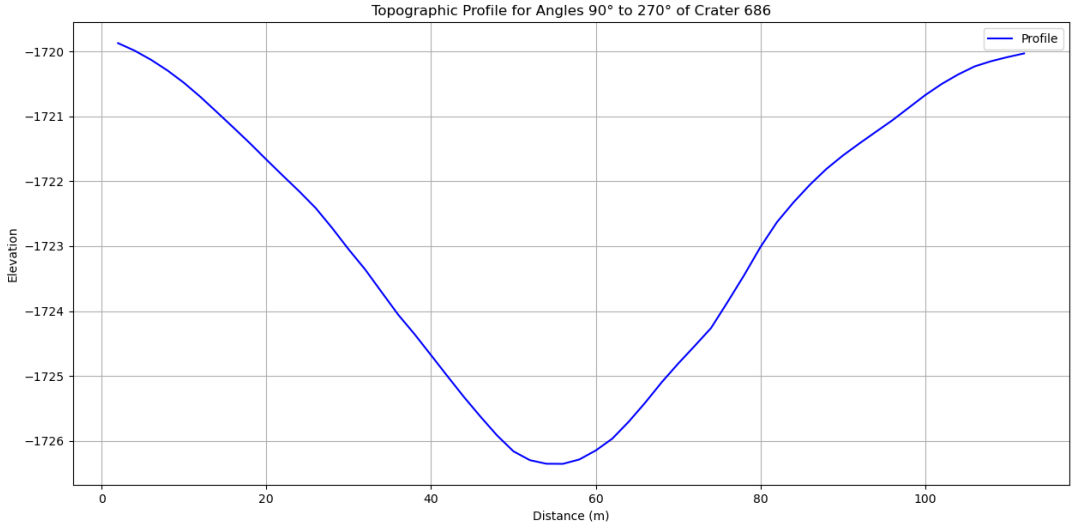
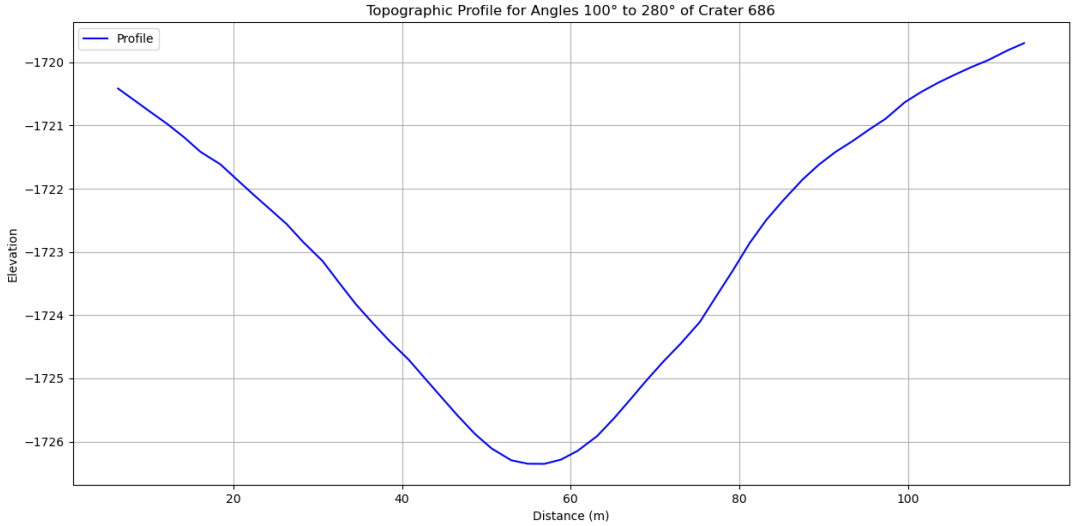
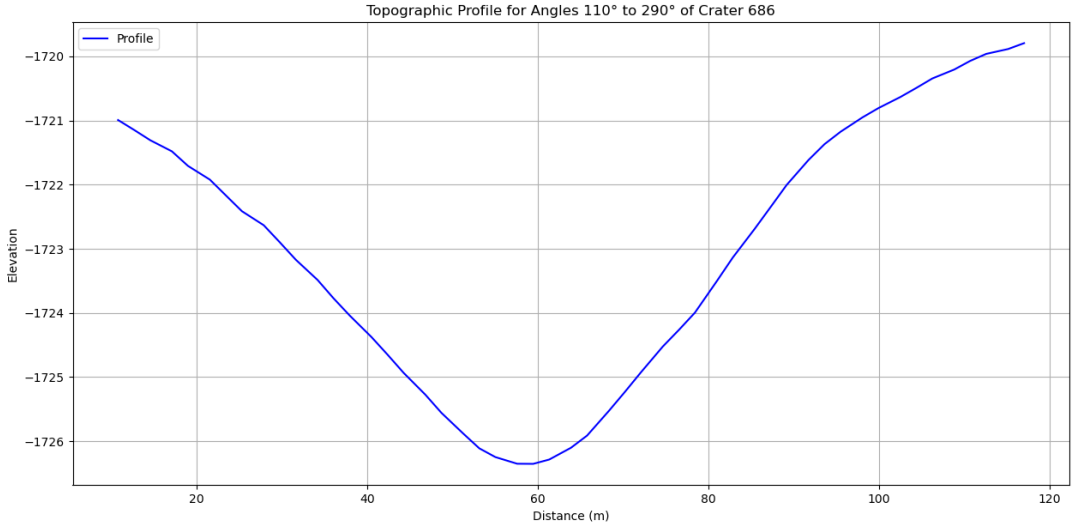
−1721
−1722
−1723
−1724
−1725
−1726
0
20
40
60
80
100


Topographic Profile for Angles 90° to 270° of Crater 686
Profile
Elevation
−1720
−1721
−1722
−1723
−1724
−1725
−1726
0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 100° to 280° of Crater 686
Profile
Elevation
−1720
−1721
−1722
−1723
−1724
−1725
−1726
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 110° to 290° of Crater 686
Profile
Elevation
Distance (m)
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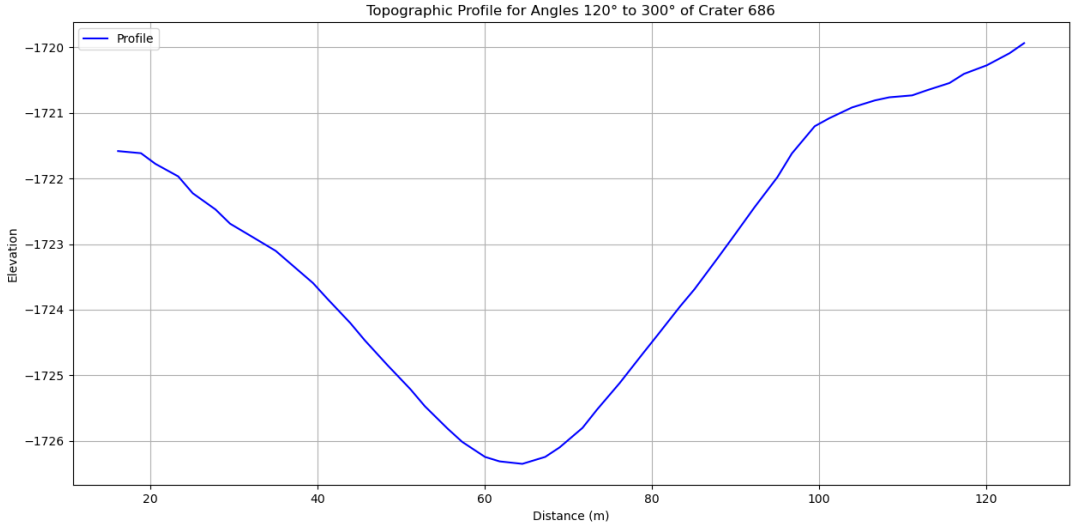
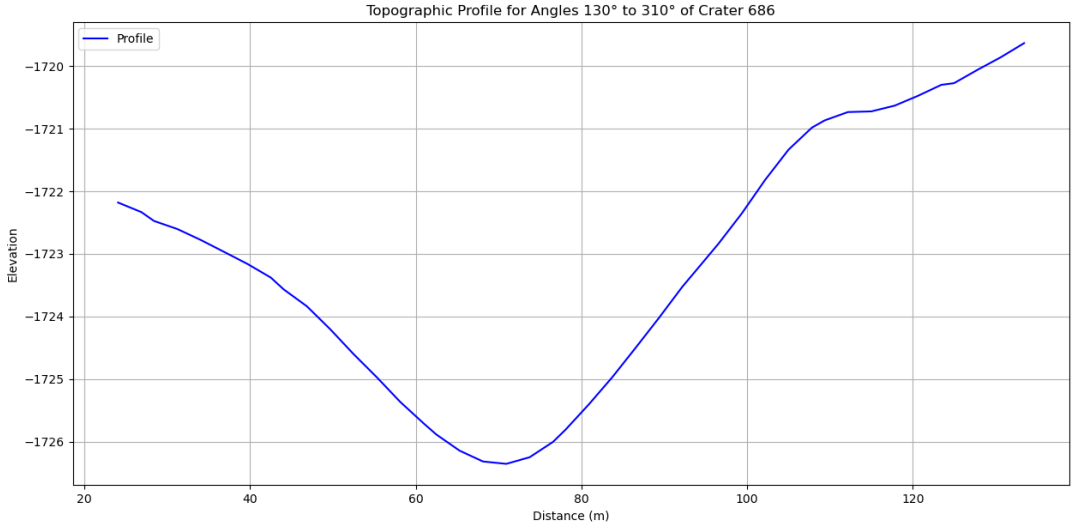
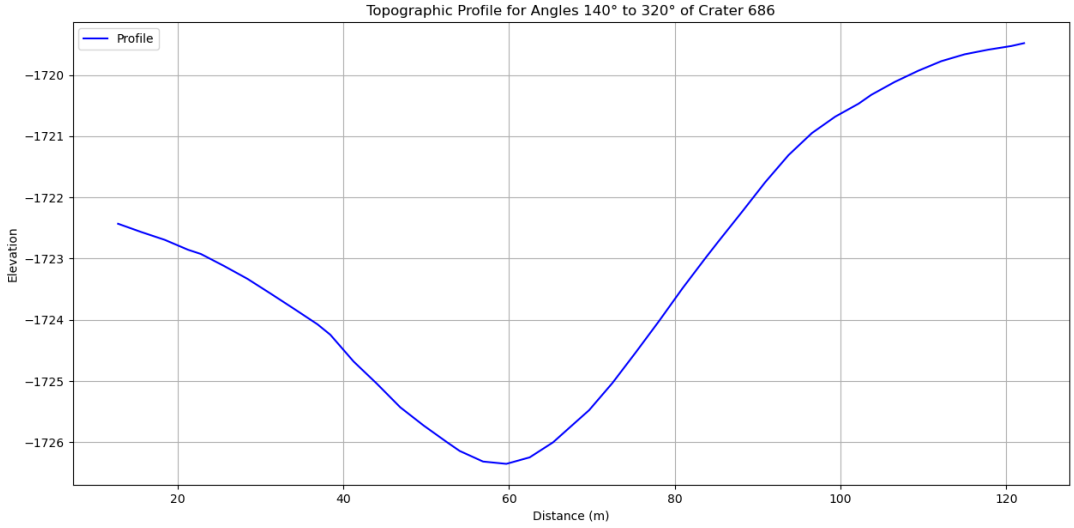
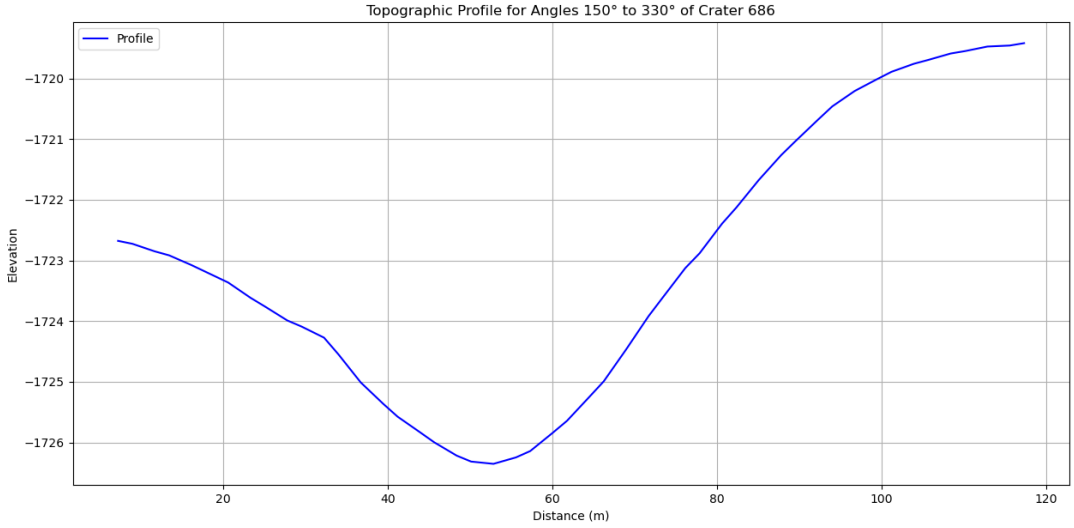
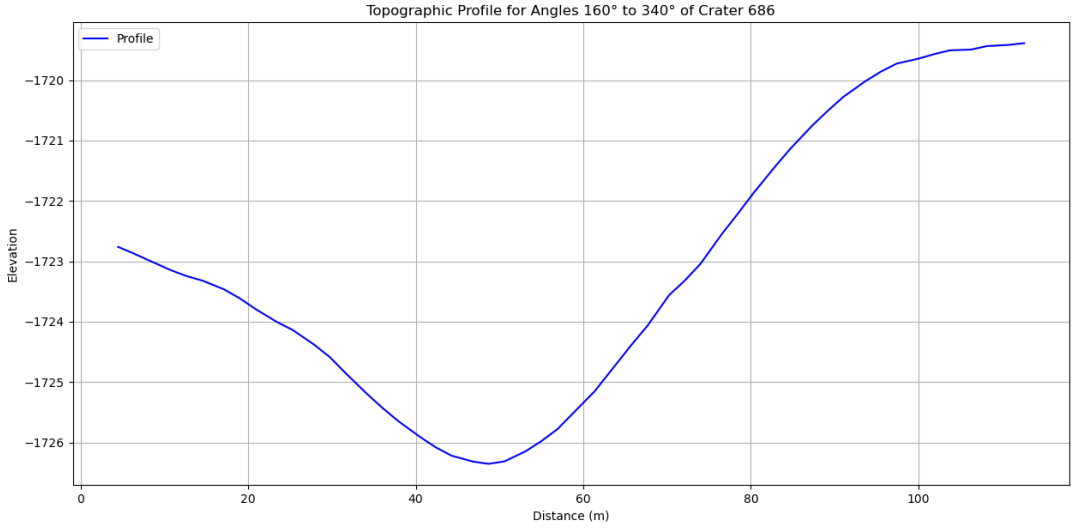
−1721
−1722
−1723
−1724
−1725
−1726
20
40
60
80
100
120

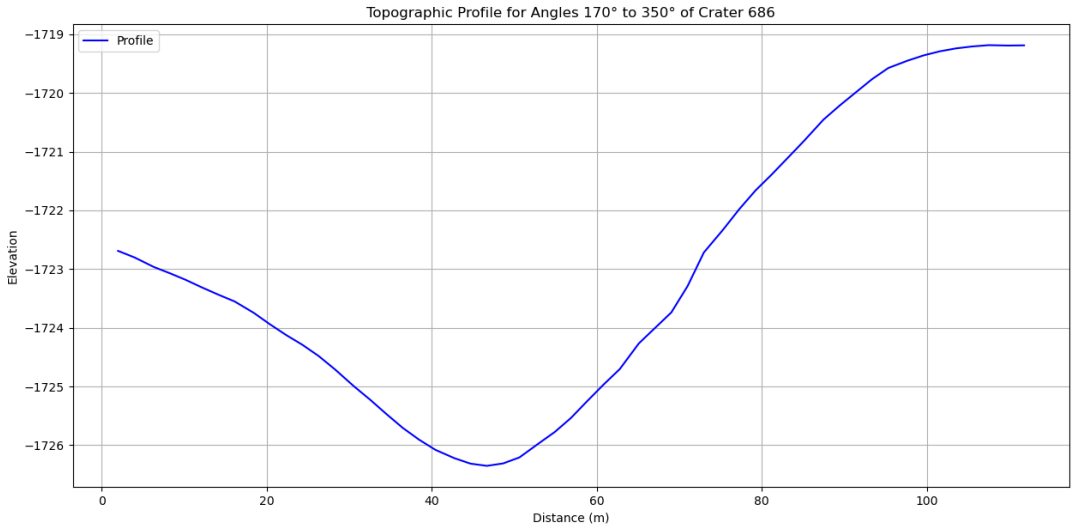

Topographic Profile for Angles 120° to 300° of Crater 686
Profile
Elevation
Distance (m)
−1720
−1721
−1722
−1723
−1724
−1725
−1726
20
40
60
80
100
120


Topographic Profile for Angles 130° to 310° of Crater 686
Profile
Elevation
−1720
−1721
−1722
−1723
−1724
−1725
−1726
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 140° to 320° of Crater 686
Profile
Elevation
−1720
−1721
−1722
−1723
−1724
−1725
−1726
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 150° to 330° of Crater 686
Profile
Elevation
−1720
−1721
−1722
−1723
−1724
−1725
−1726
20
40
60
80
100
120
Distance (m)


Topographic Profile for Angles 160° to 340° of Crater 686
Profile
Elevation
−1720
−1721
−1722
−1723
−1724
−1725
−1726
0
20
40
60
80
100
Distance (m)


Topographic Profile for Angles 170° to 350° of Crater 686
Profile
Elevation
−1719
−1720
−1721
−1722
−1723
−1724
−1725
−1726
0
20
40
60
80
100
Distance (m)