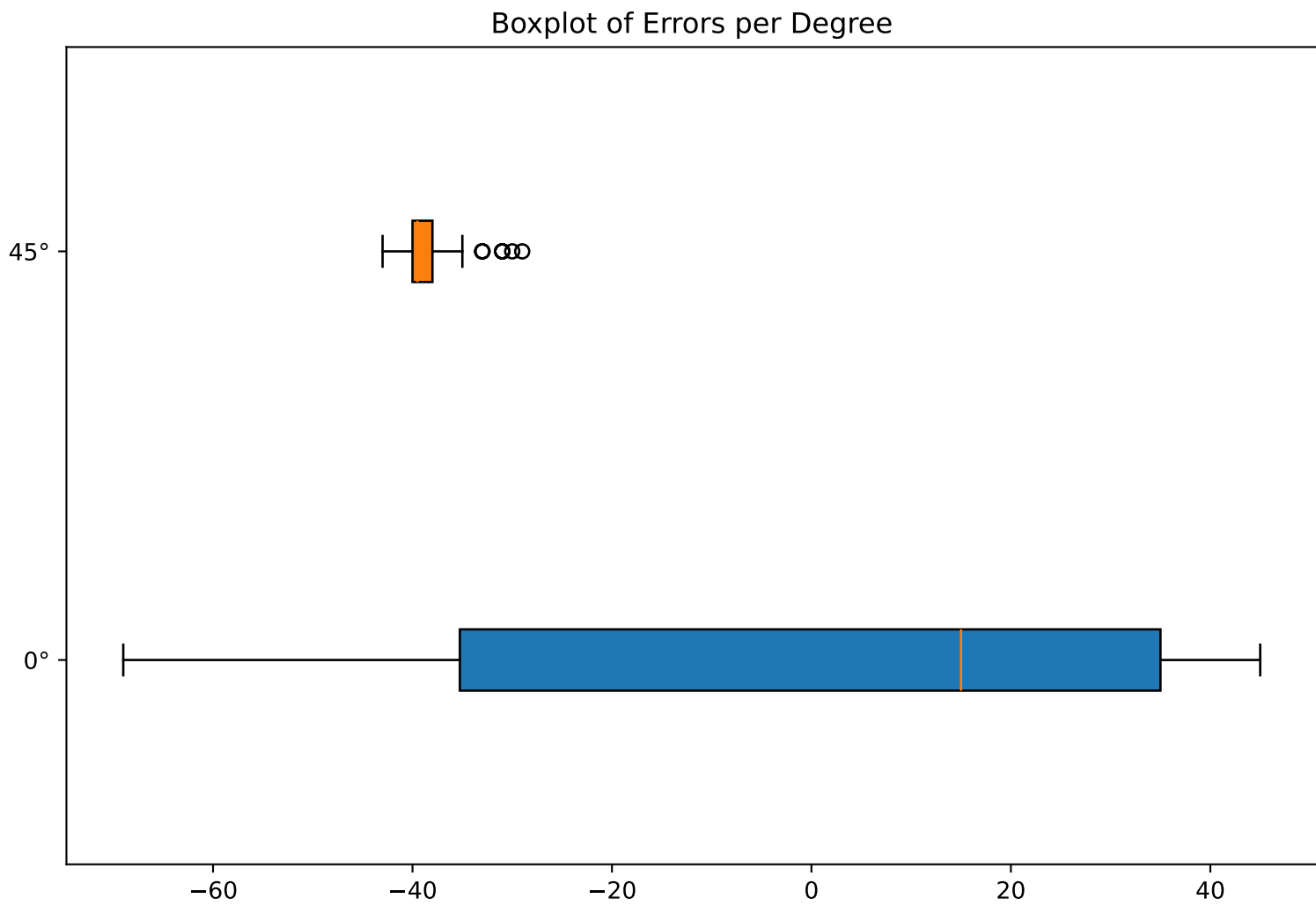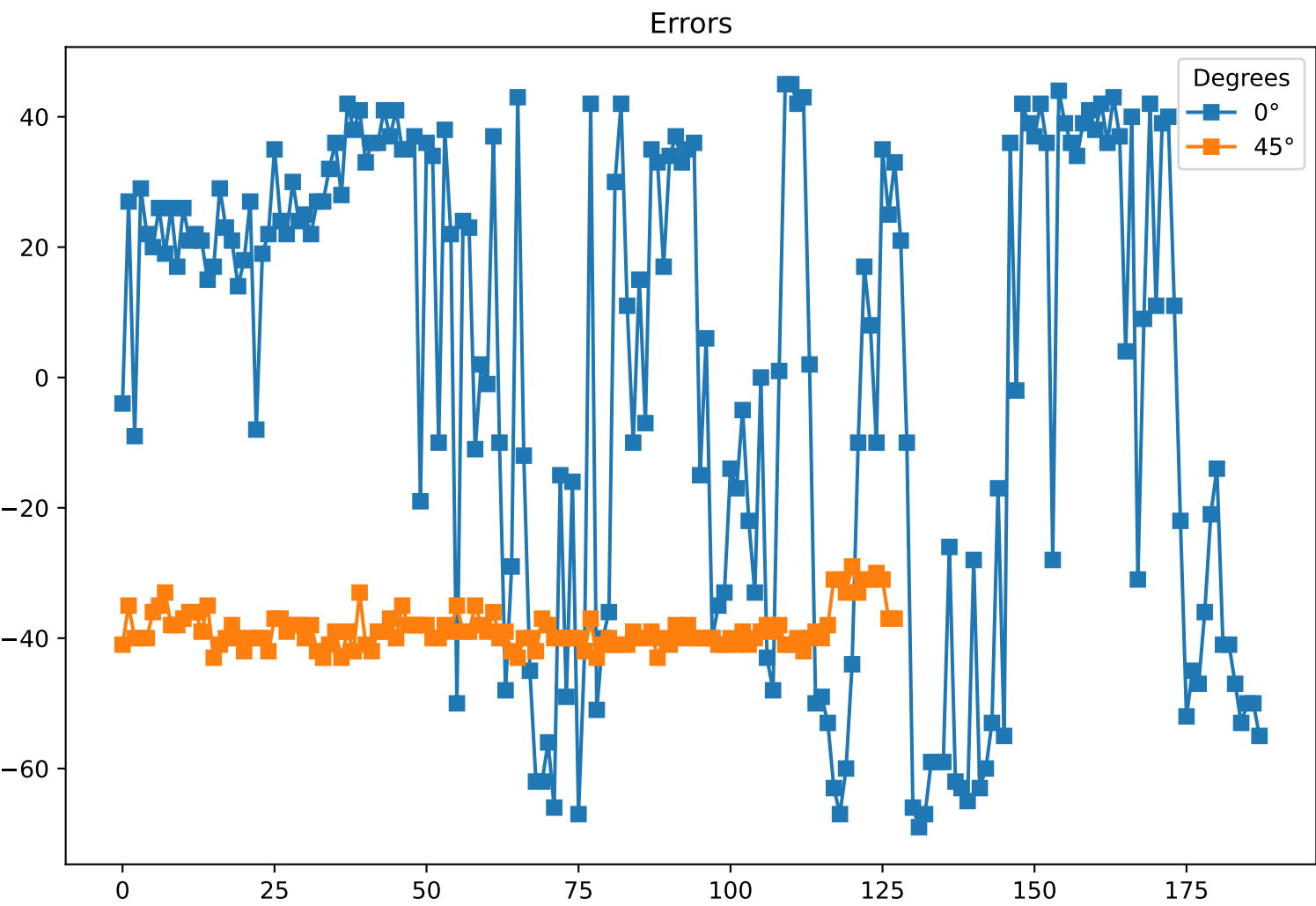Analysis of Measurements for Goal: 100 (100cm_0degree)

Analysis for Distance=100cm and Angle=0°
Metrics:

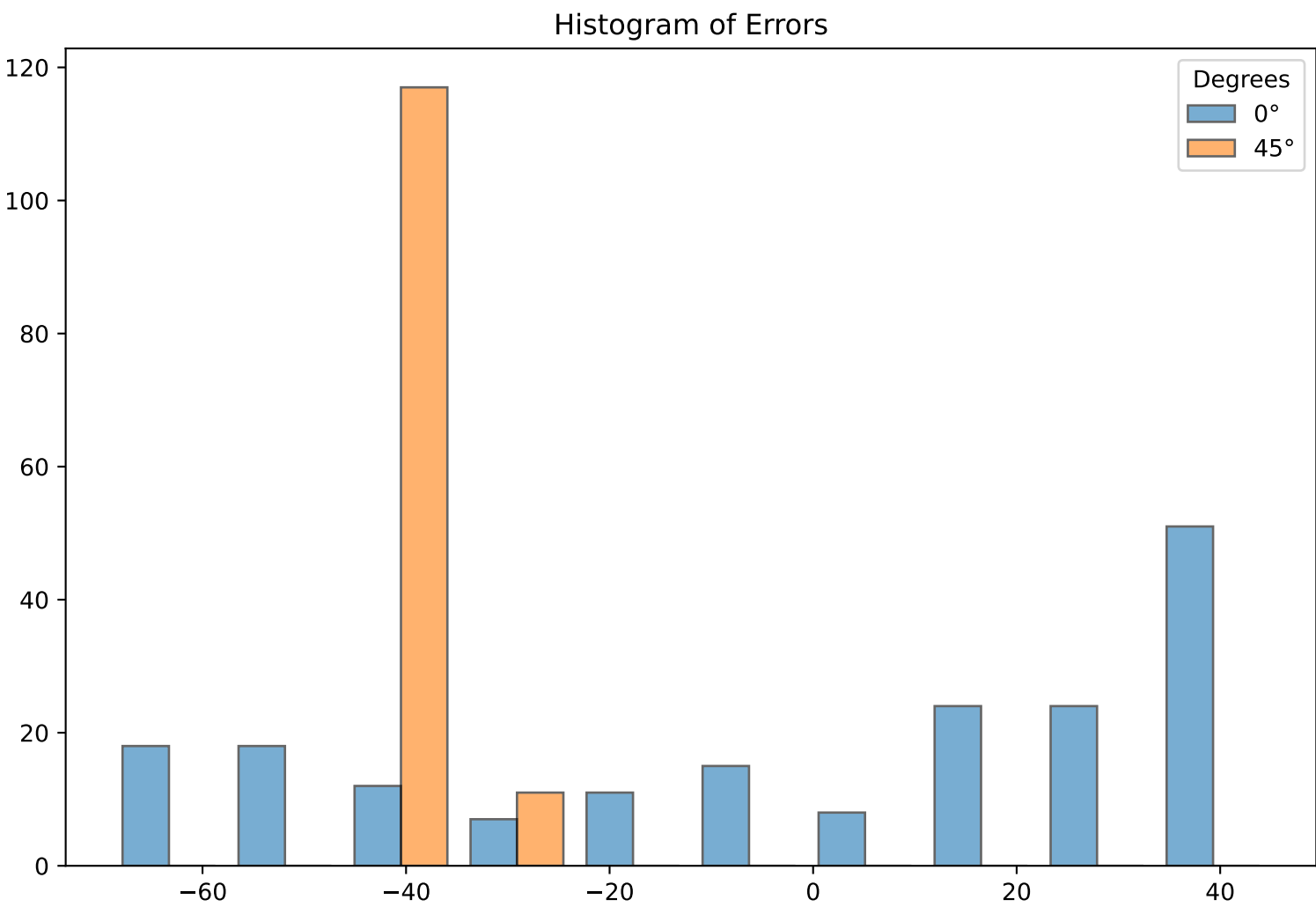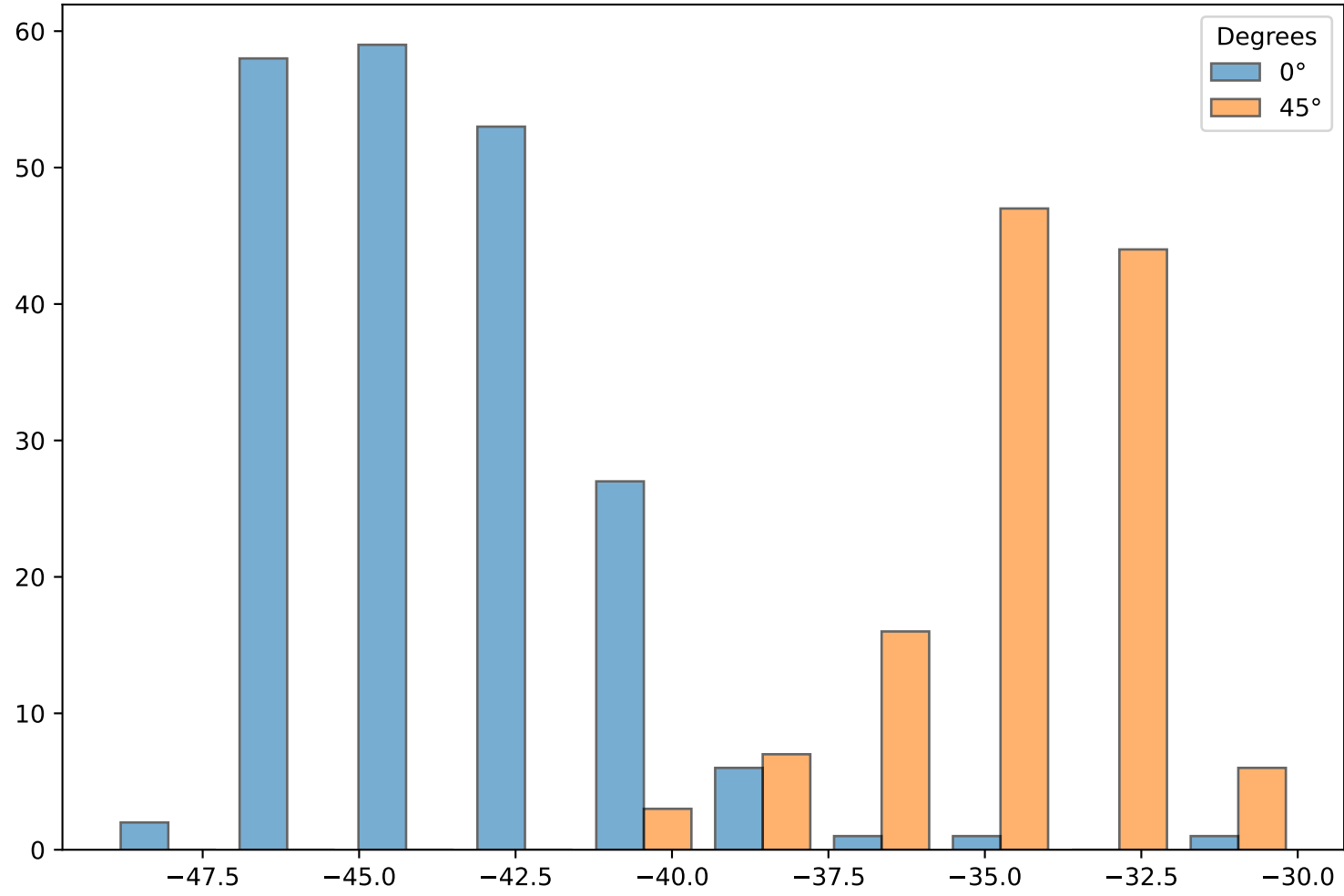| Metric	File 1	File 2
MAE	32.7979	38.7031
MSE	1348.61	1506.42
RMSE	36.7234	38.8127
MAPE	32.7979	38.7031
Max Error	69	43
Std Error	36.7227	2.9138

Analysis of Measurements for Goal: 100 (100cm_45degree)
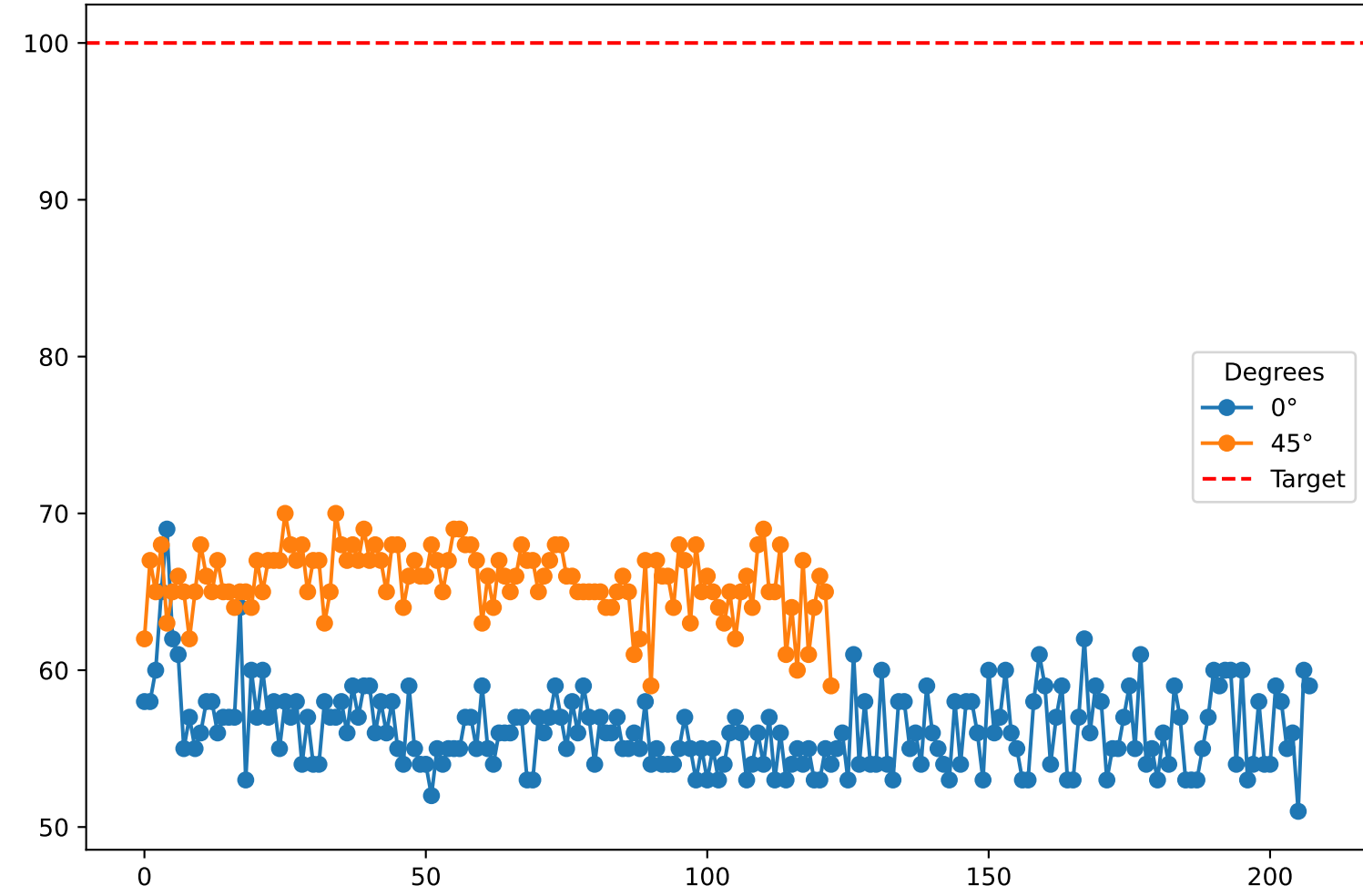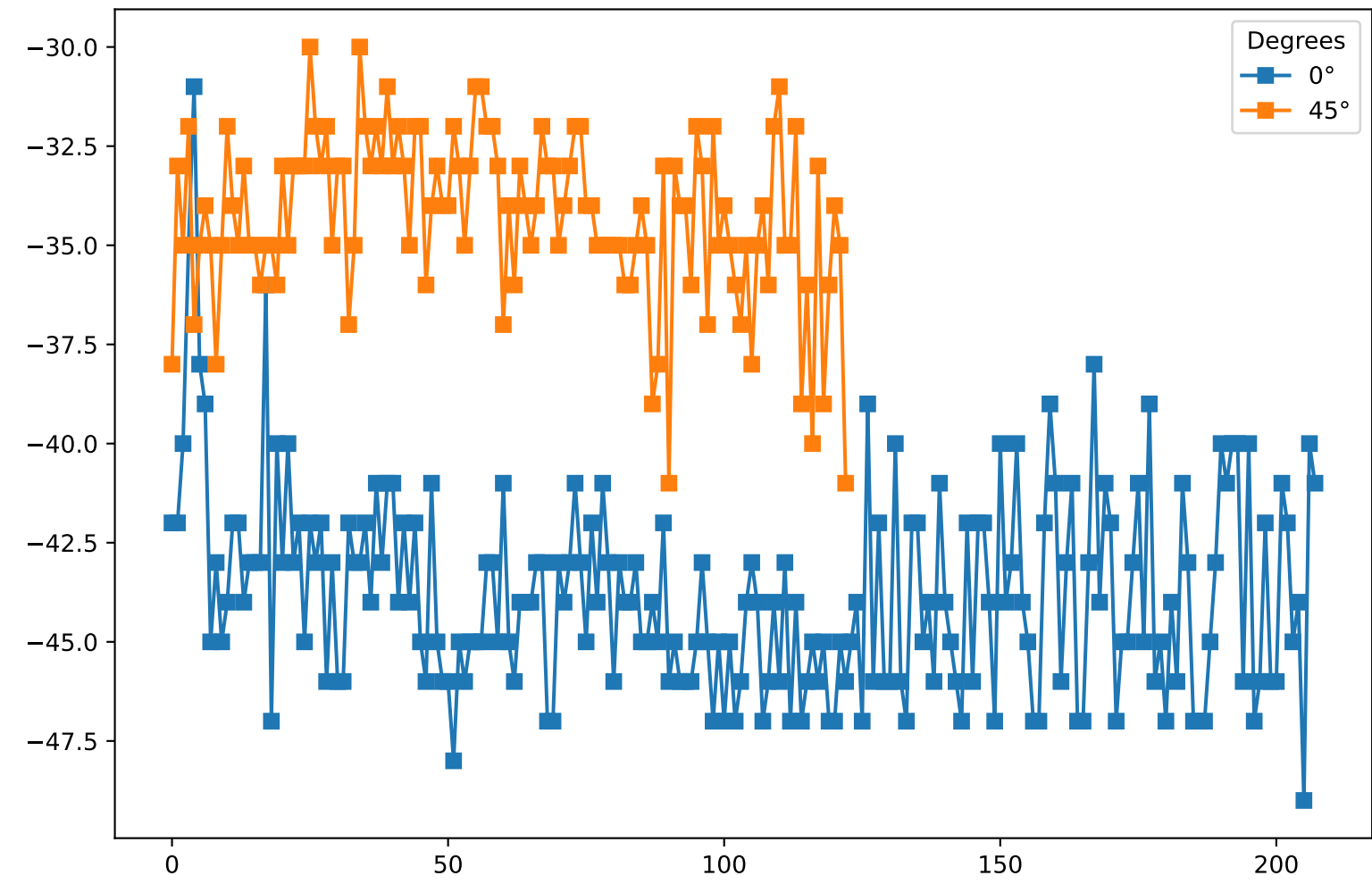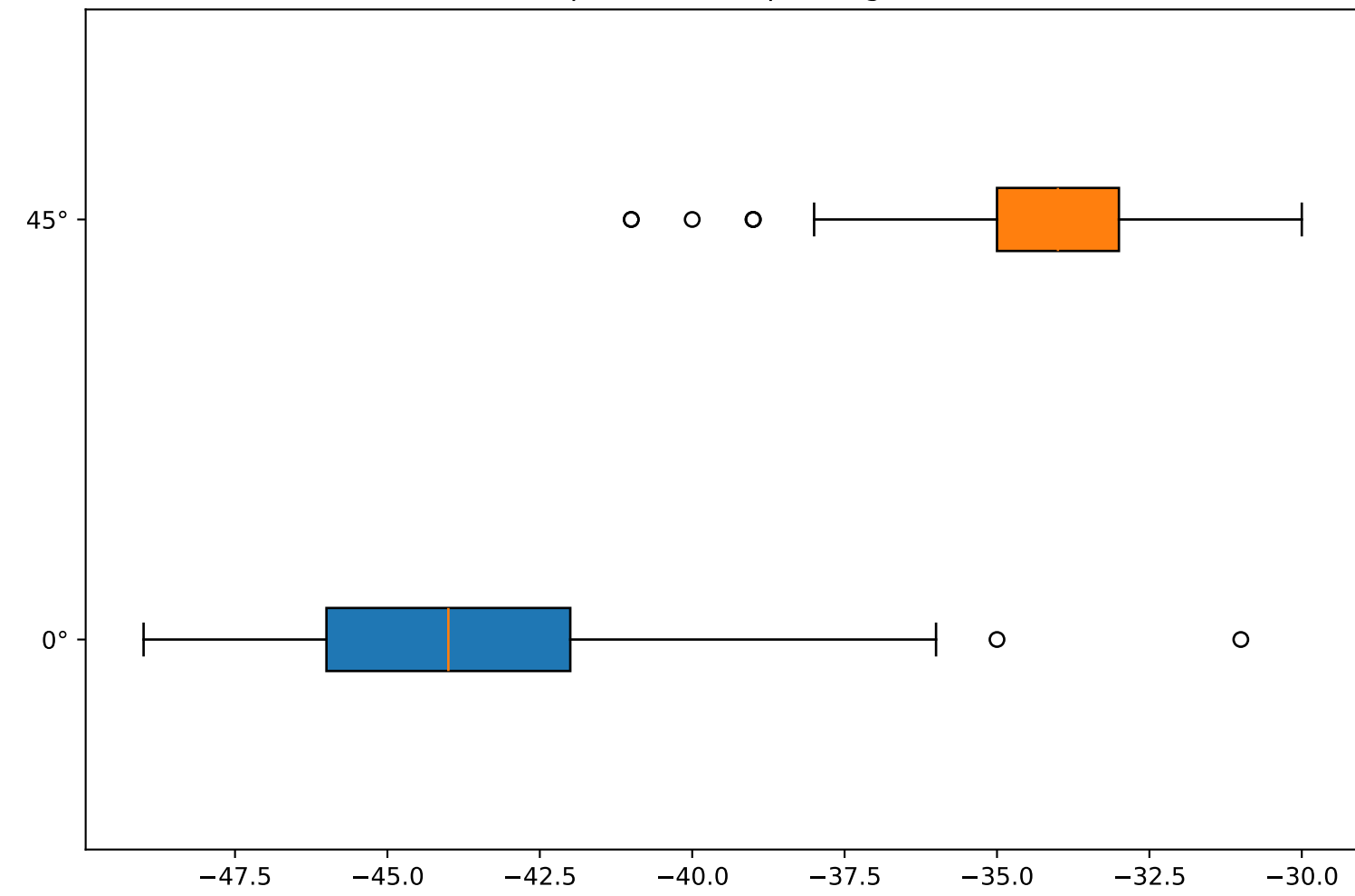
Analysis for Distance=100cm and Angle=45°
Metrics:

Metric	File 1	File 2
===========	=========	=========
MAE	43.774	34.2846
MSE	1922.65	1179.91
RMSE	43.848	34.3498
MAPE	43.774	34.2846
Max Error	49	41
Std Error	2.5461	2.1166

Analysis of Measurements for Goal: 100 (100cm_90degree)
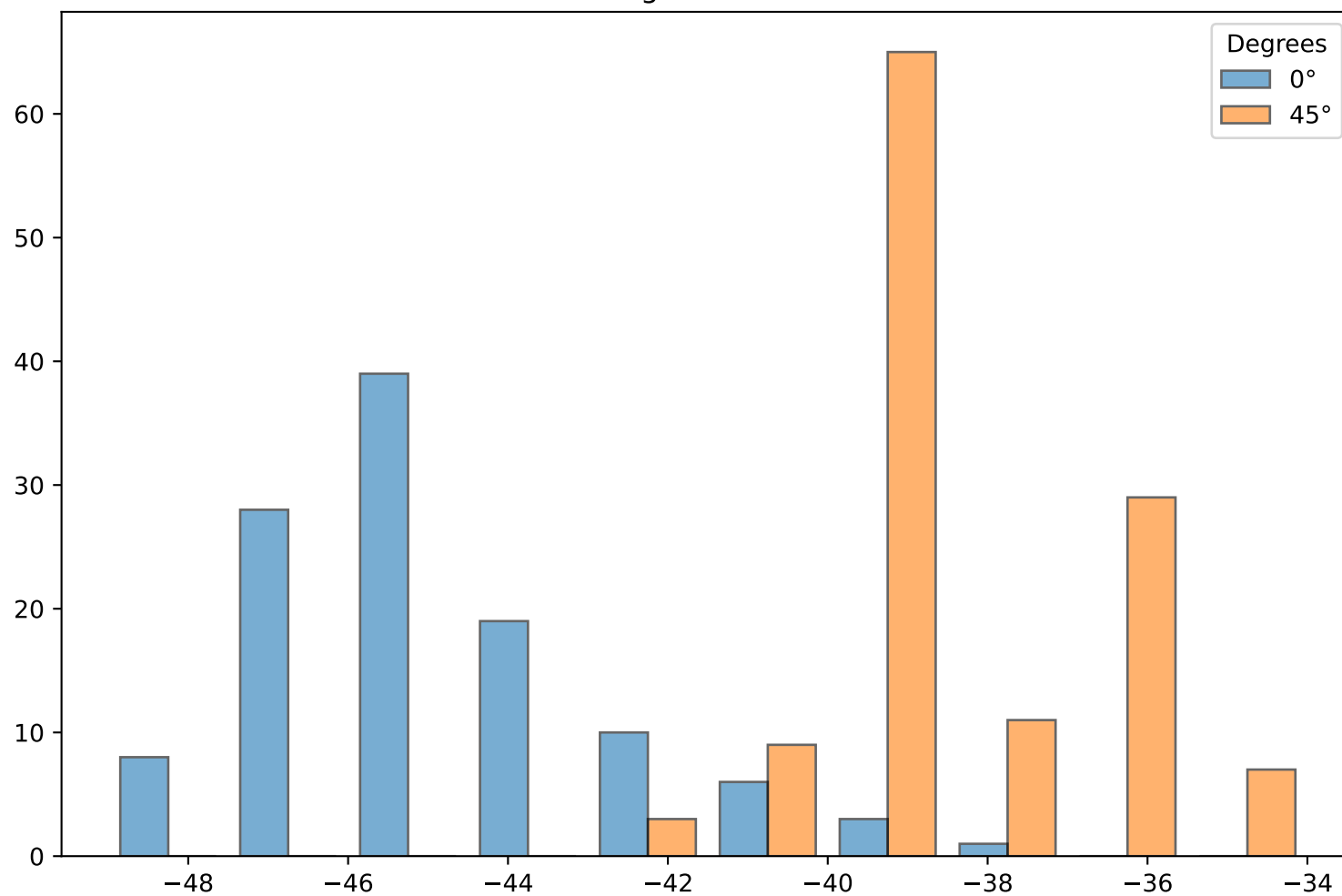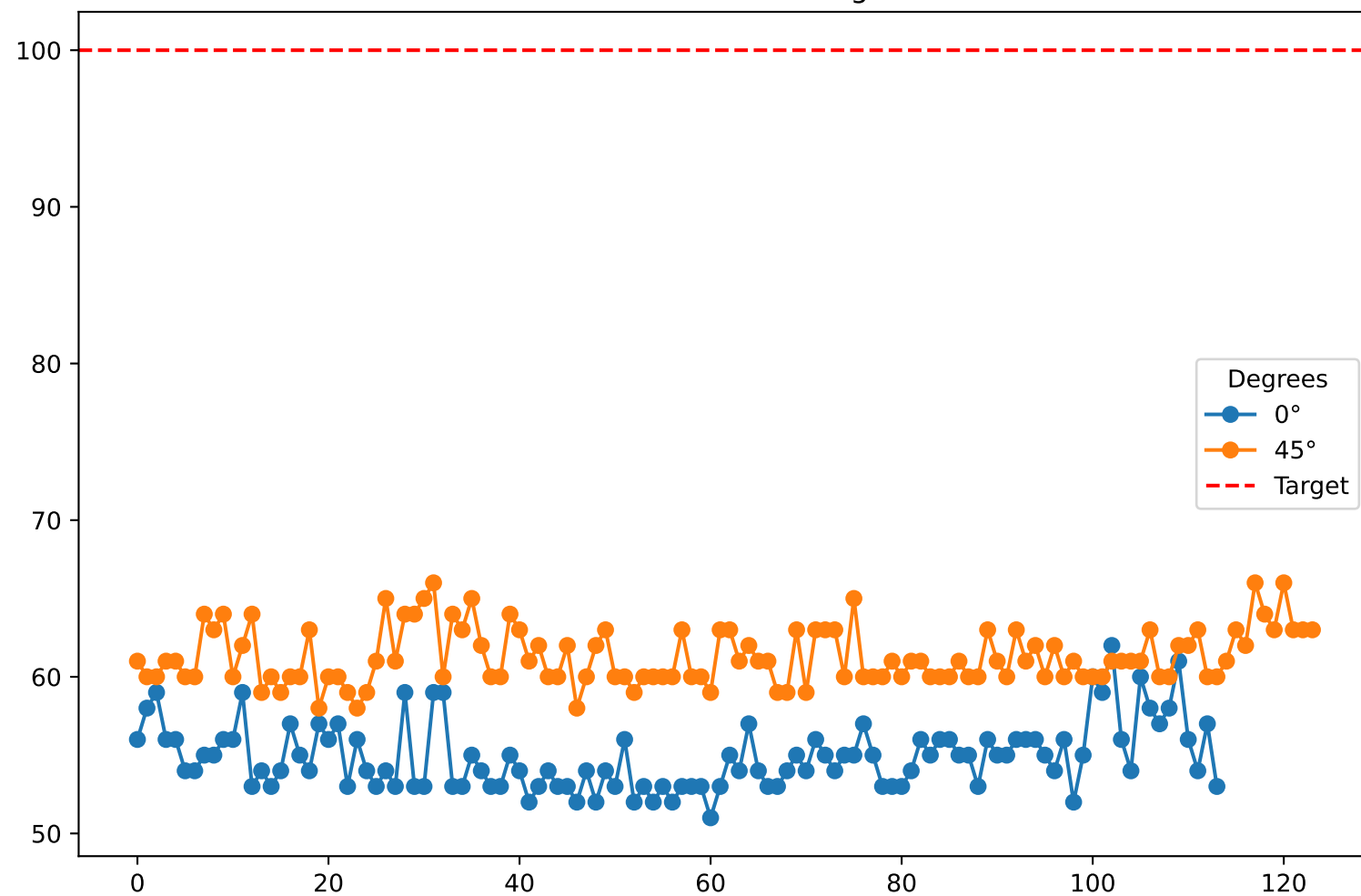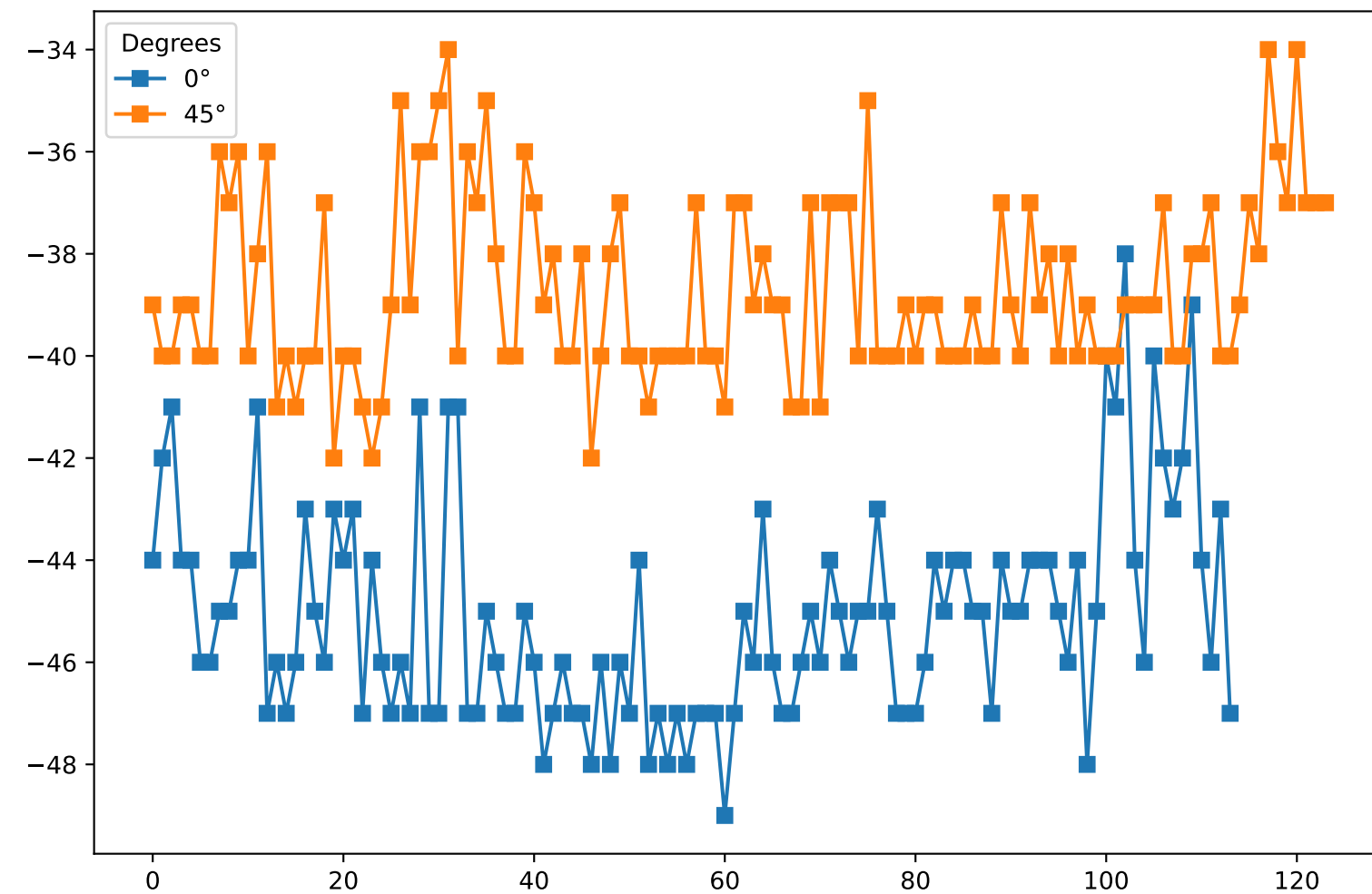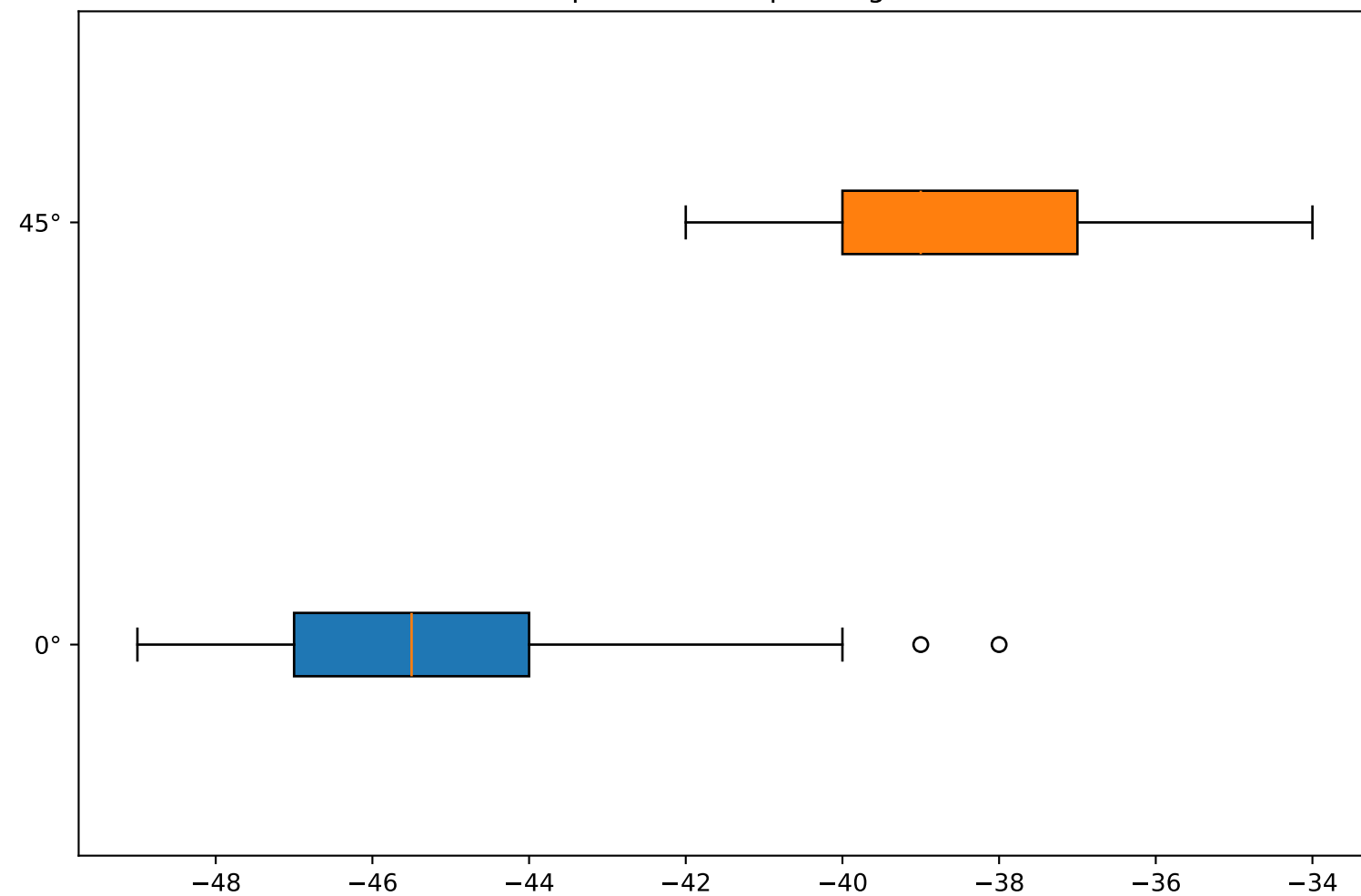
Analysis for Distance=100cm and Angle=90°
Metrics:

Metric	File 1	File 2
MAE	45.114	38.7016
MSE	2039.8	1501.06
RMSE	45.1641	38.7435
MAPE	45.114	38.7016
Max Error	49	42
Std Error	2.1265	1.8004

Analysis of Measurements for Goal: 100 (100cm_135degree)
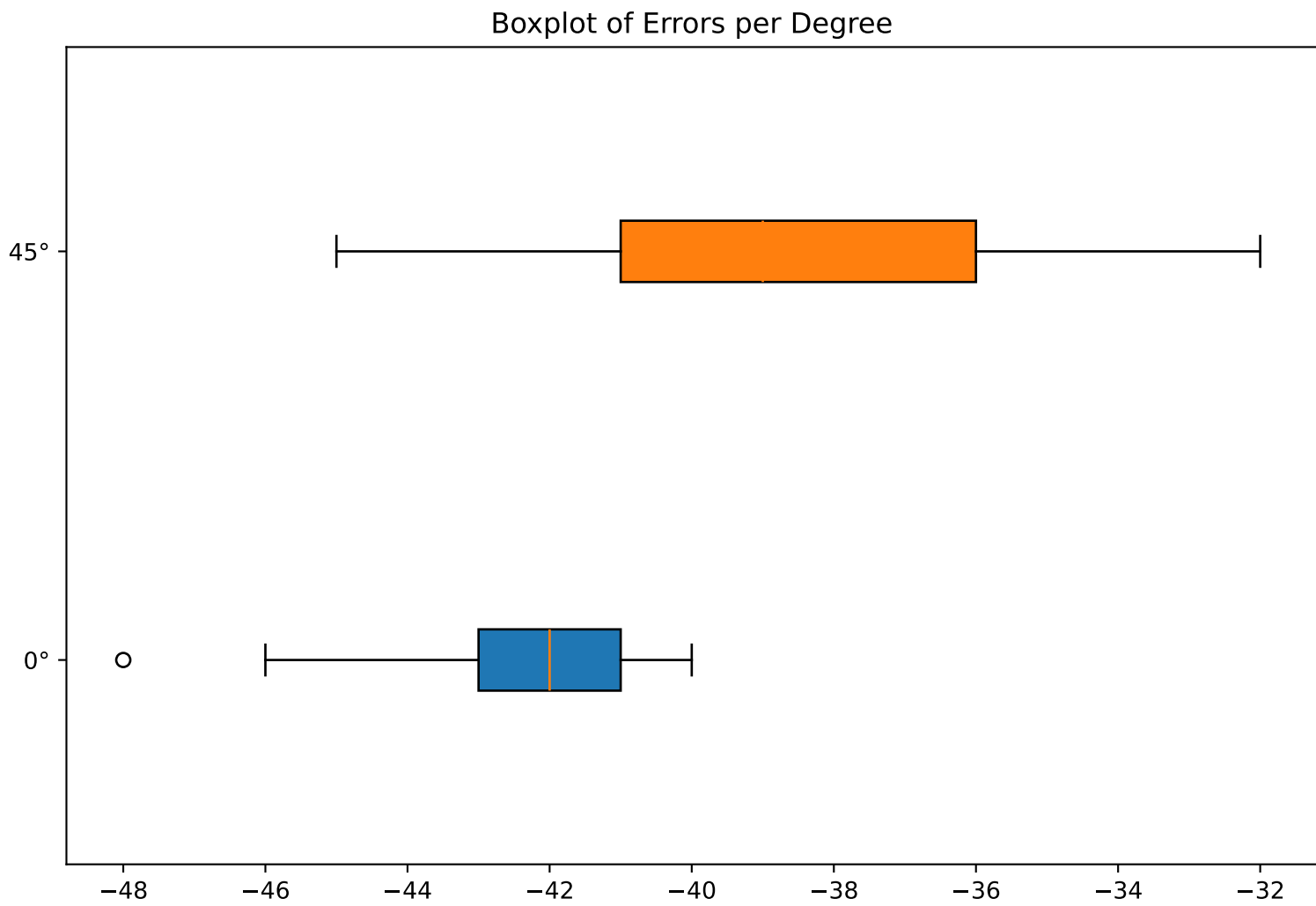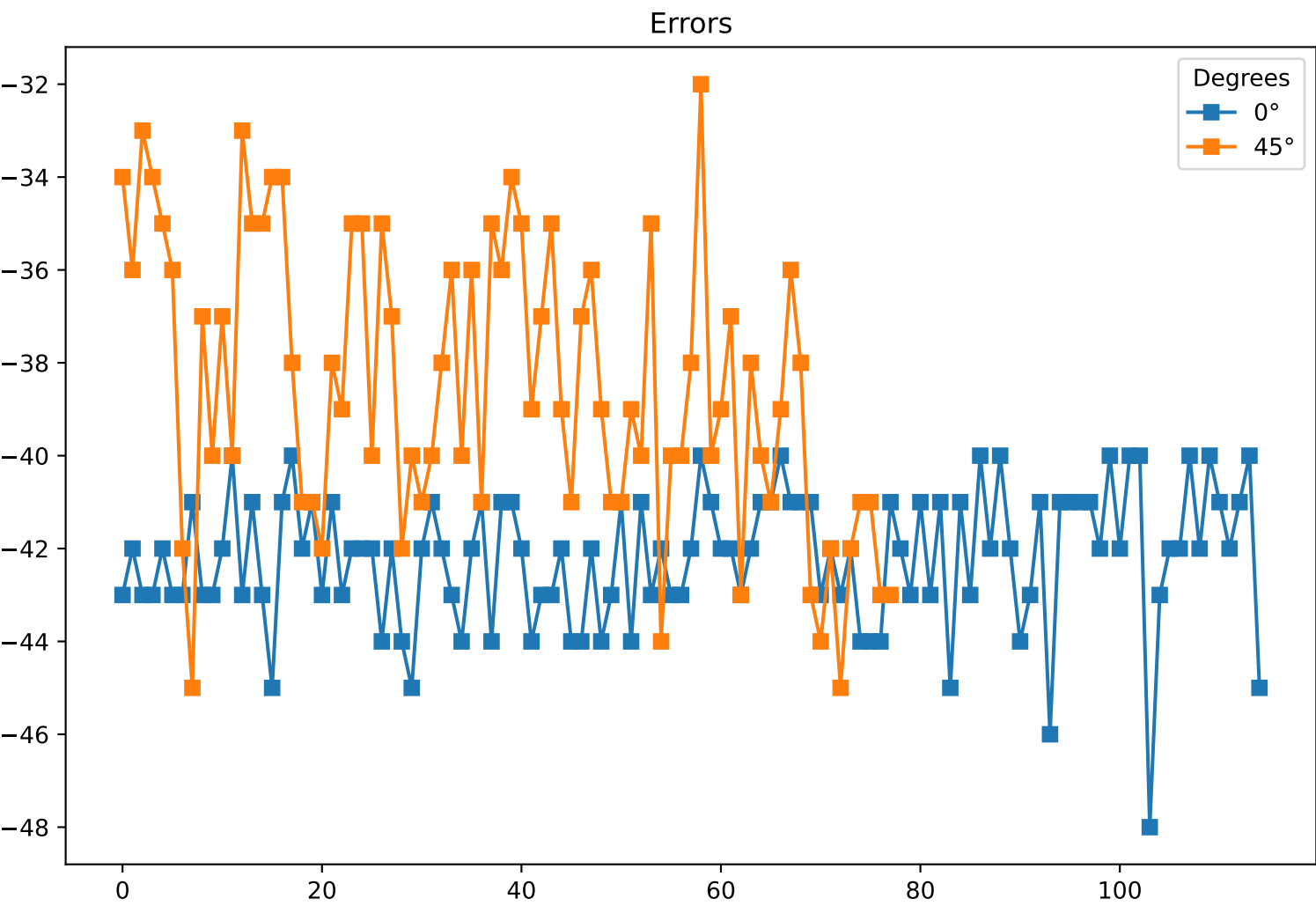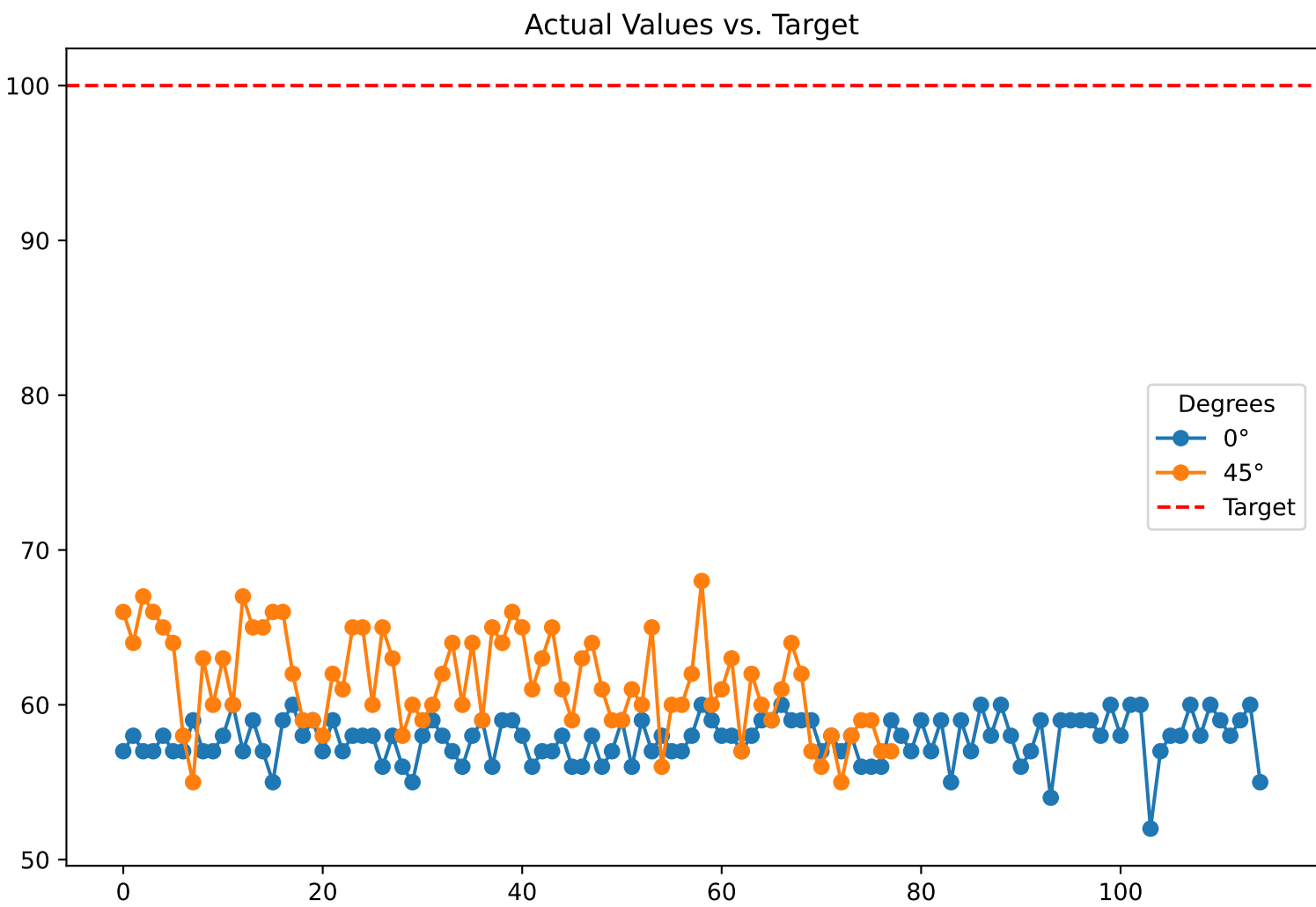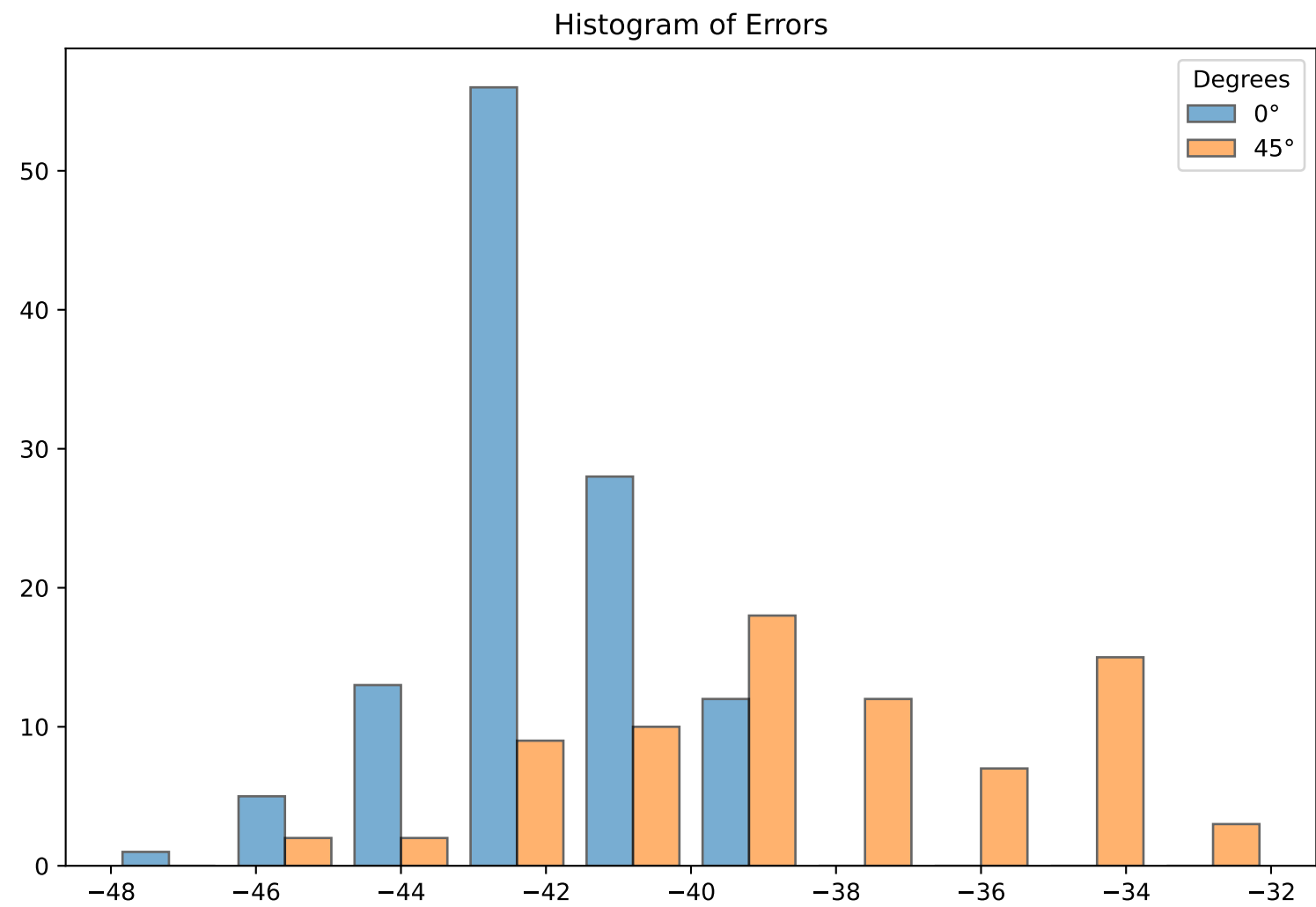
```
Analysis for Distance=100cm and Angle=135°
Metrics:
+-----------+-----------+-----------+
| Metric    |    File 1 |    File 2 |
+===========+===========+===========+
| MAE       |   42.1913 | 38.5      |
+-----------+-----------+-----------+
| MSE       | 1782.17   | 1492.01   |
+-----------+-----------+-----------+
| RMSE      |   42.2158 |   38.6266 |
+-----------+-----------+-----------+
| MAPE      |   42.1913 | 38.5      |
+-----------+-----------+-----------+
| Max Error | 48        | 45        |
+-----------+-----------+-----------+
| Std Error |     1.438 |    3.1246 |
+-----------+-----------+-----------+
```

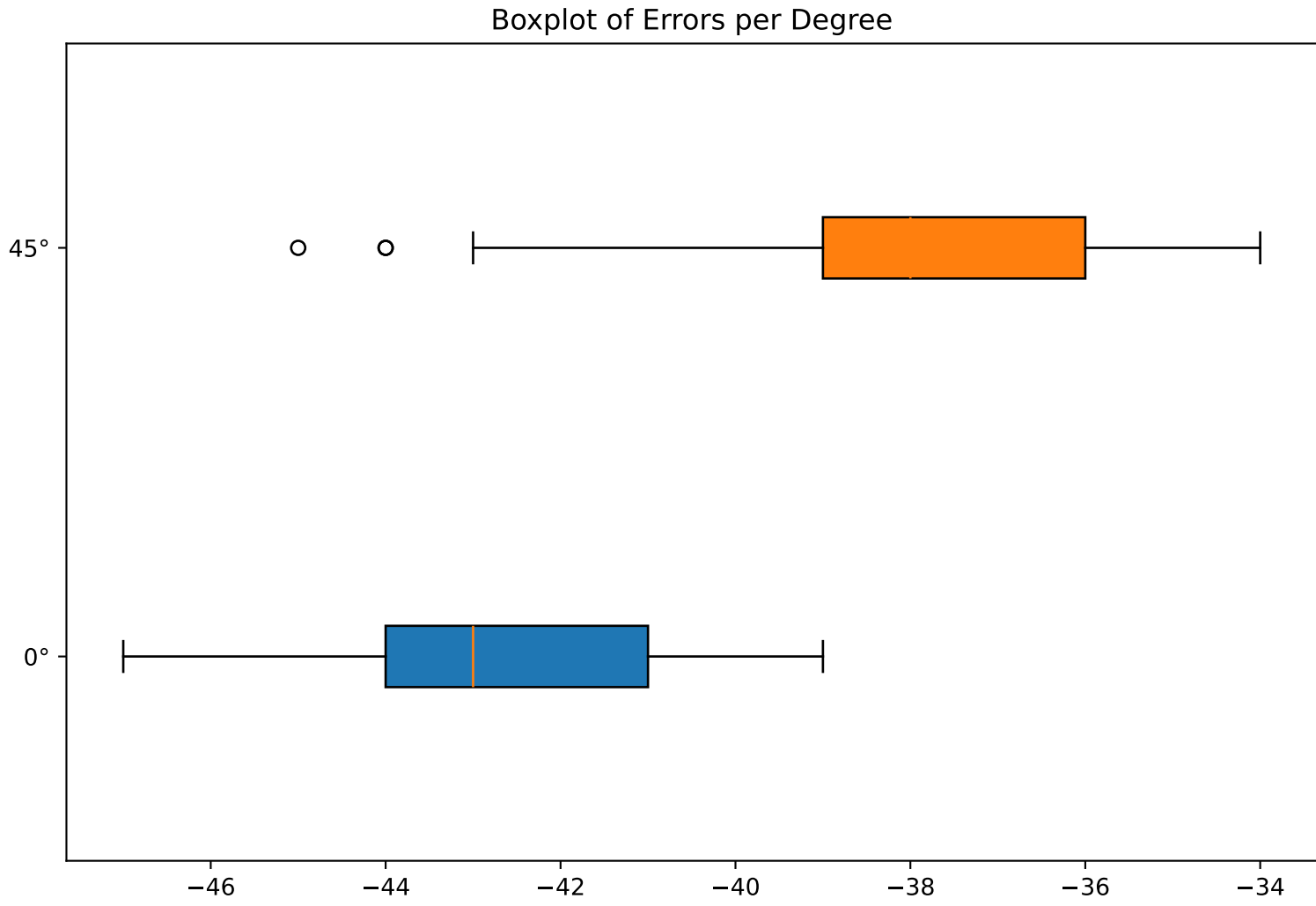Analysis of Measurements for Goal: 100 (100cm_180degree)
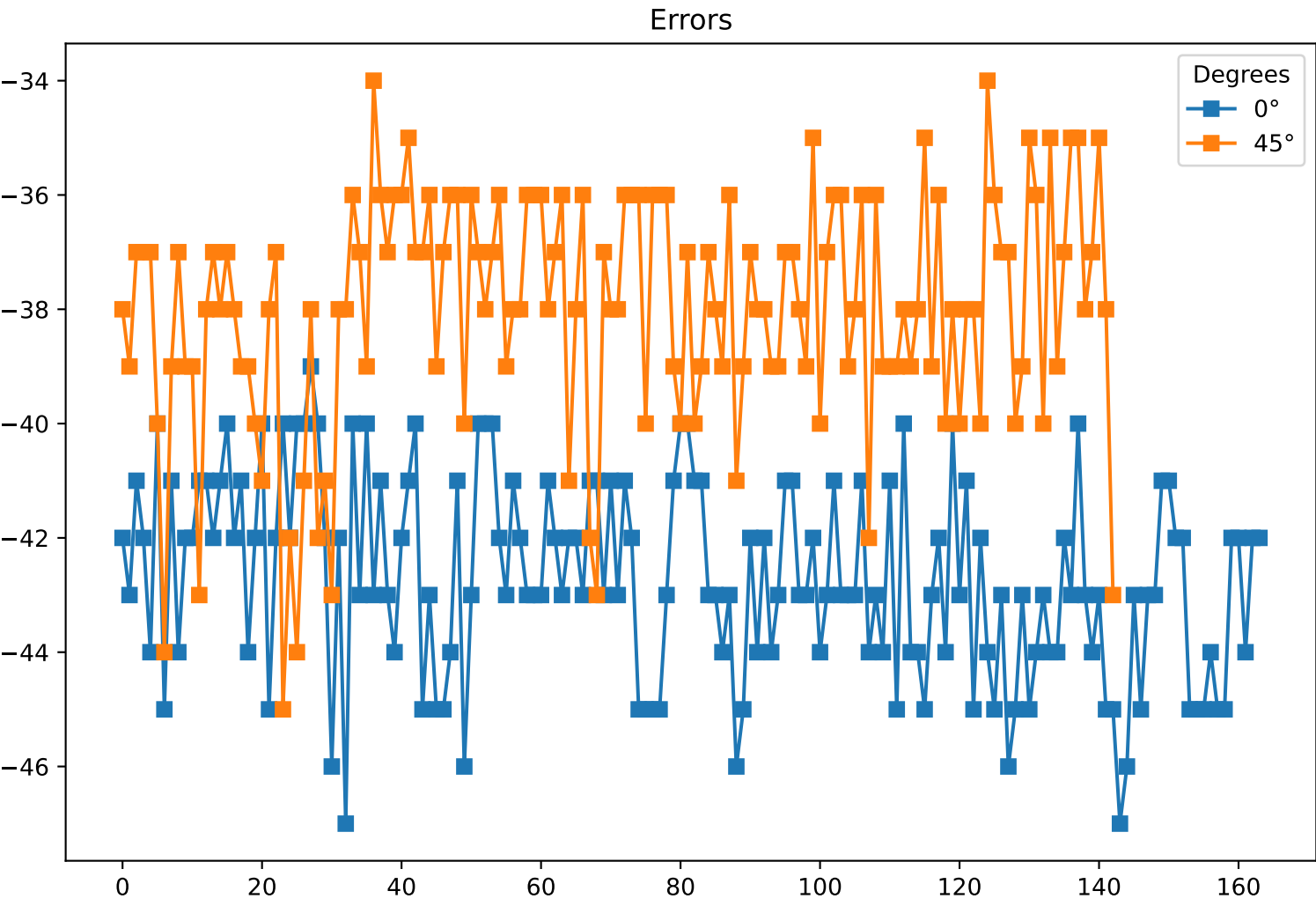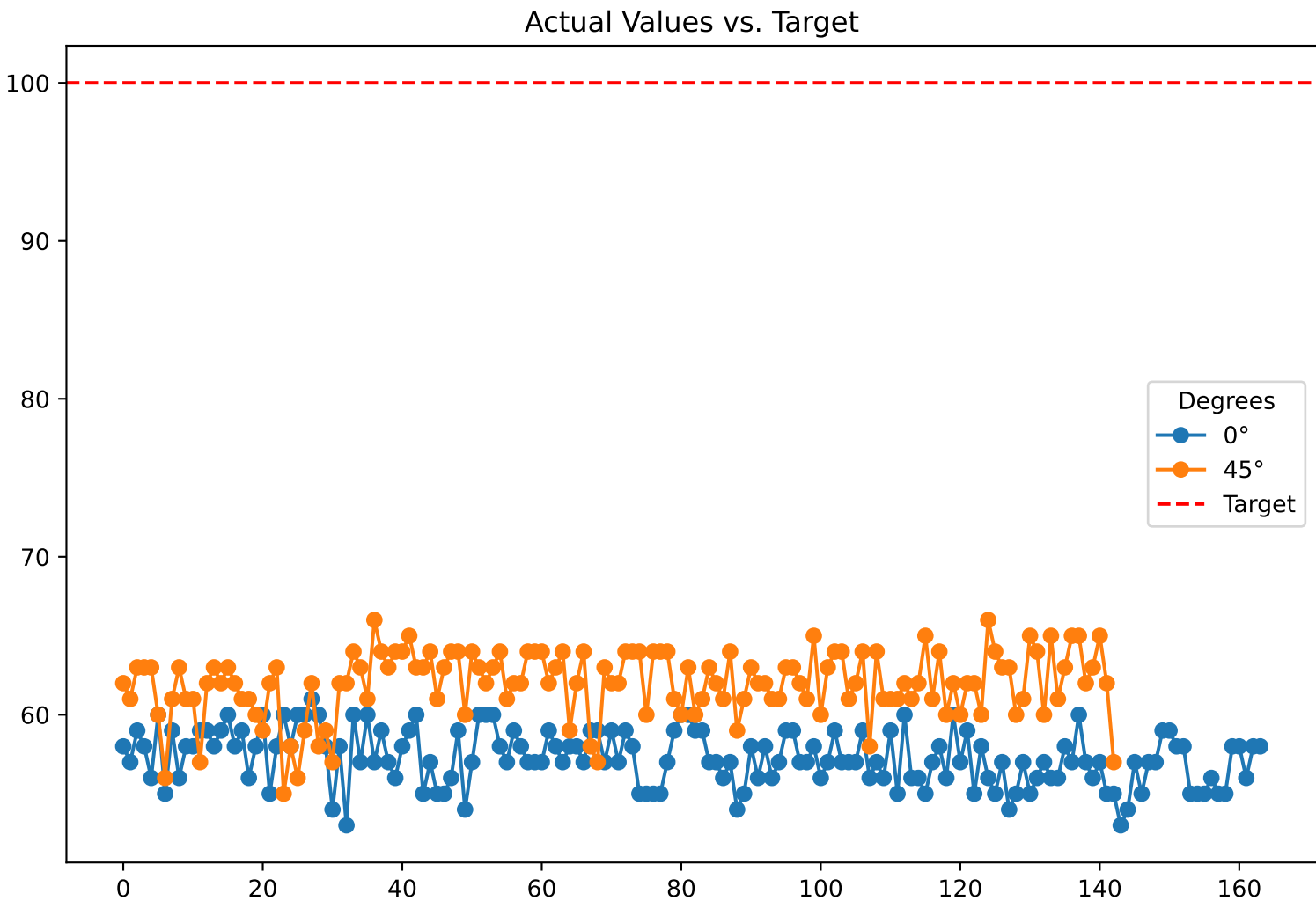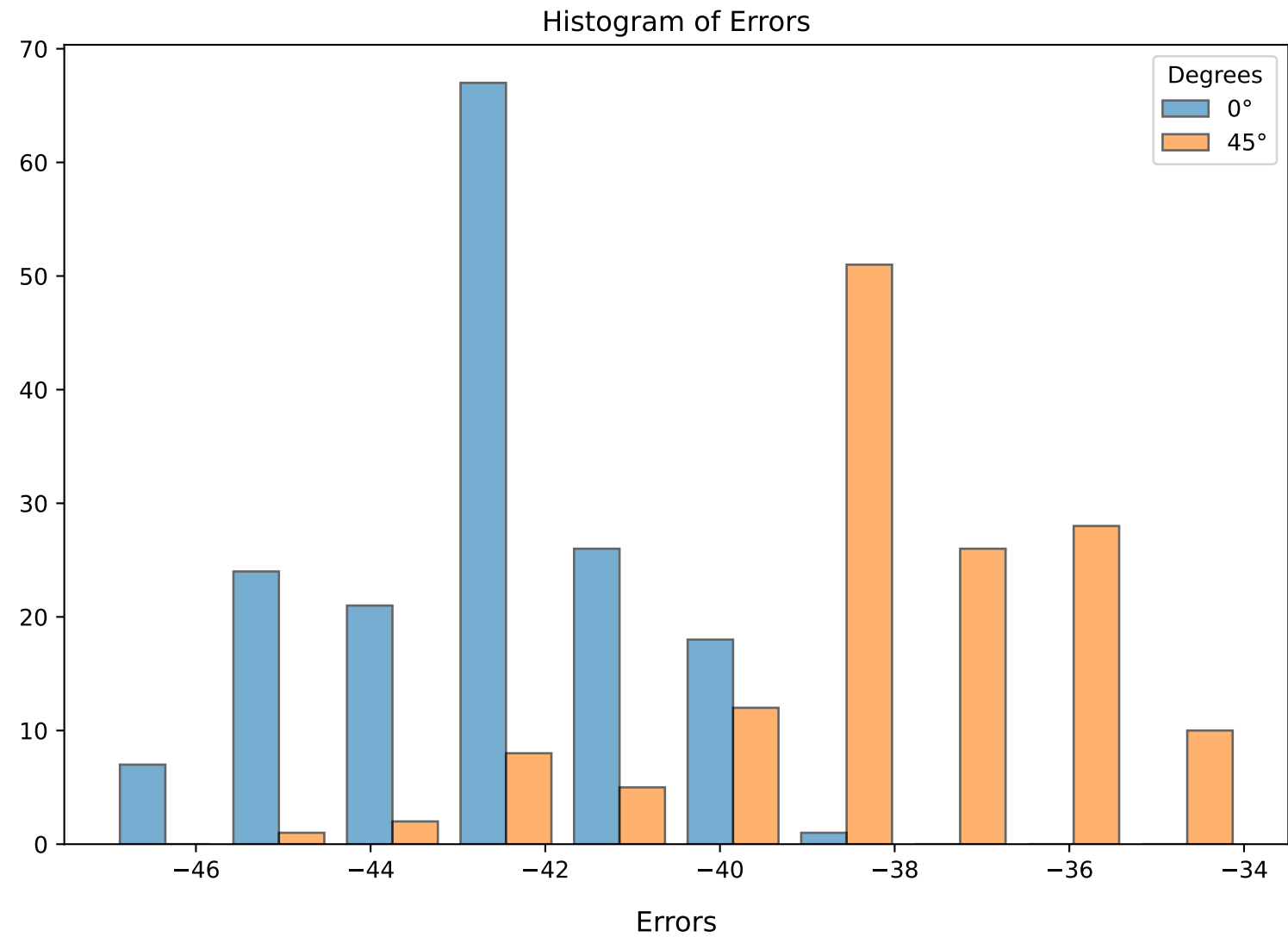
Analysis for Distance=100cm and Angle=180°
Metrics:

Metric	File 1	File 2
MAE	42.7073	38.028
MSE	1826.91	1450.63
RMSE	42.7424	38.0871
MAPE	42.7073	38.028
Max Error	47	45
Std Error	1.732	2.122

Analysis of Measurements for Goal: 200 (200cm_0degree)
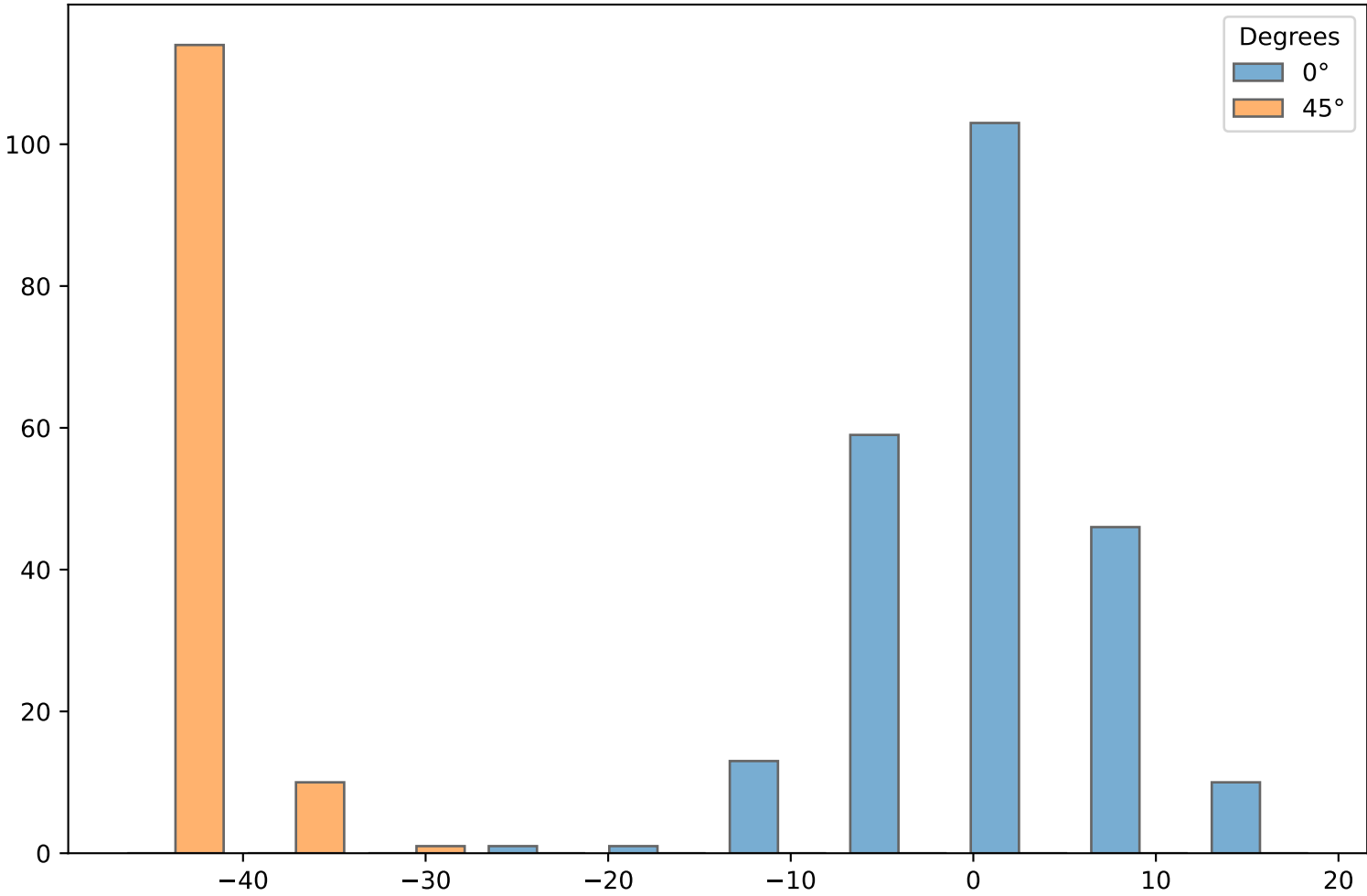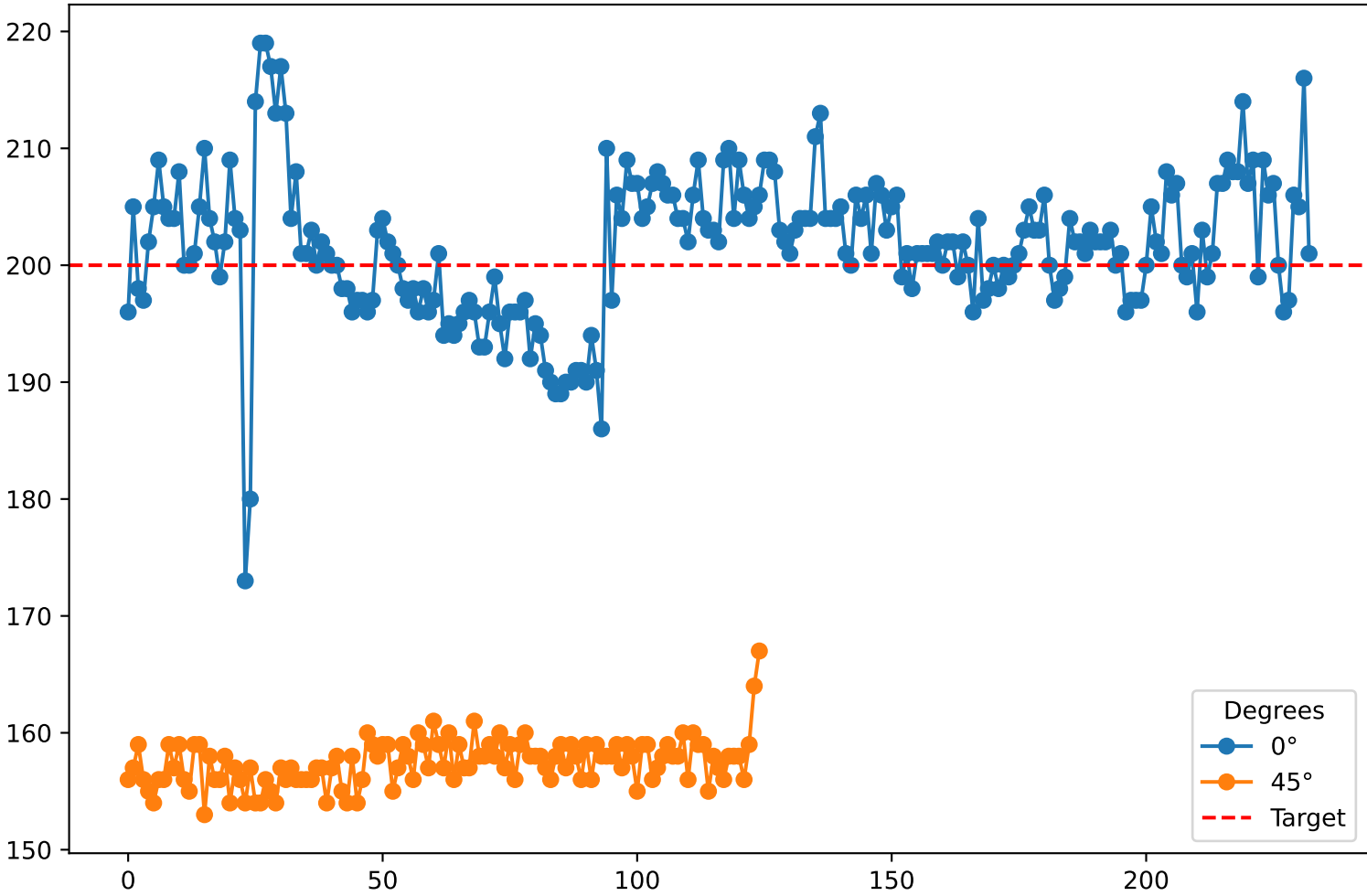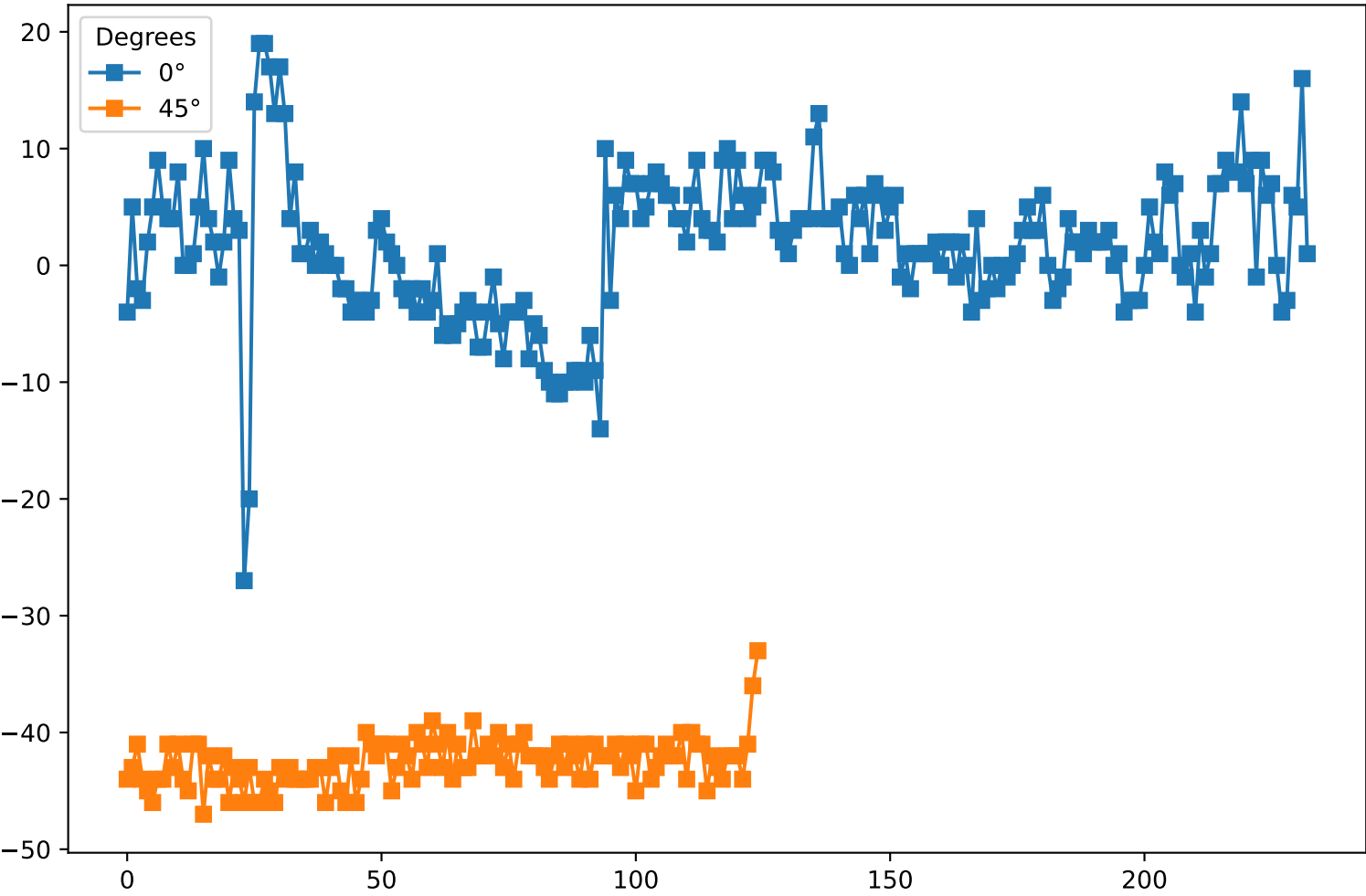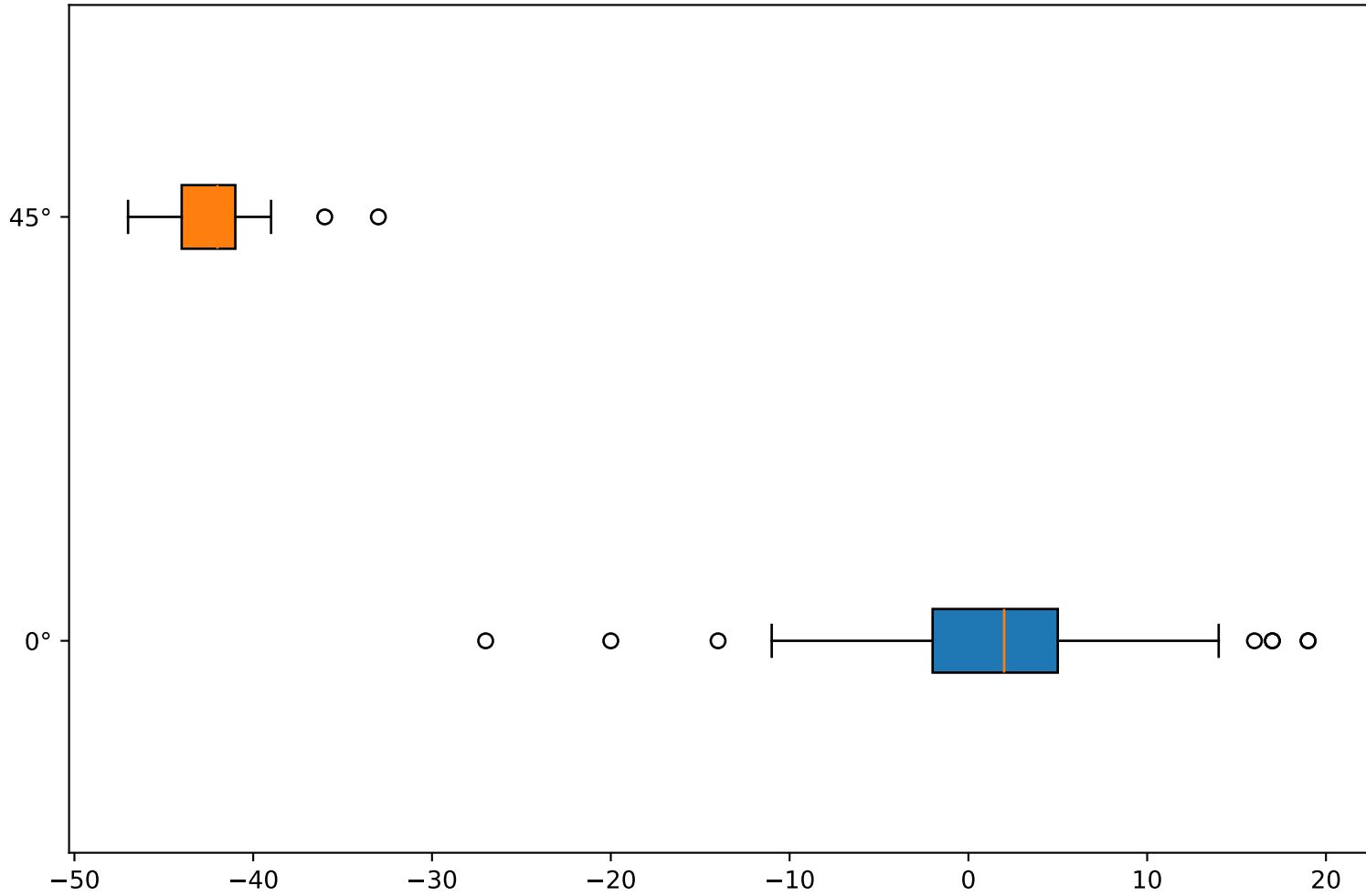
Analysis for Distance=200cm and Angle=0°
Metrics:

Metric	File 1	File 2
MAE	4.7811	42.56
MSE	39.6567	1815.38
RMSE	6.2974	42.6072
MAPE	2.3906	21.28
Max Error	27	47
Std Error	6.0825	2.0056

Analysis of Measurements for Goal: 200 (200cm_45degree)
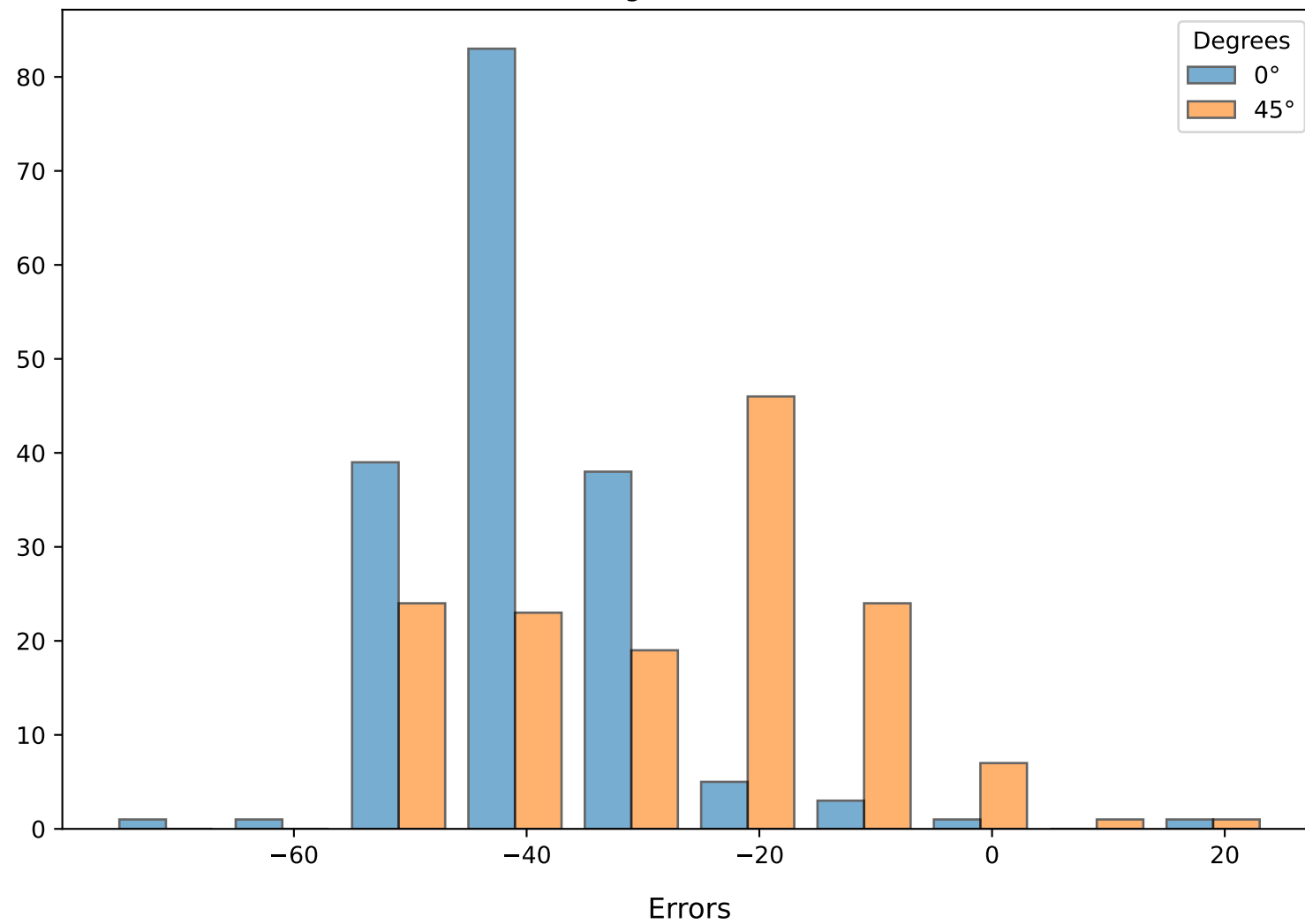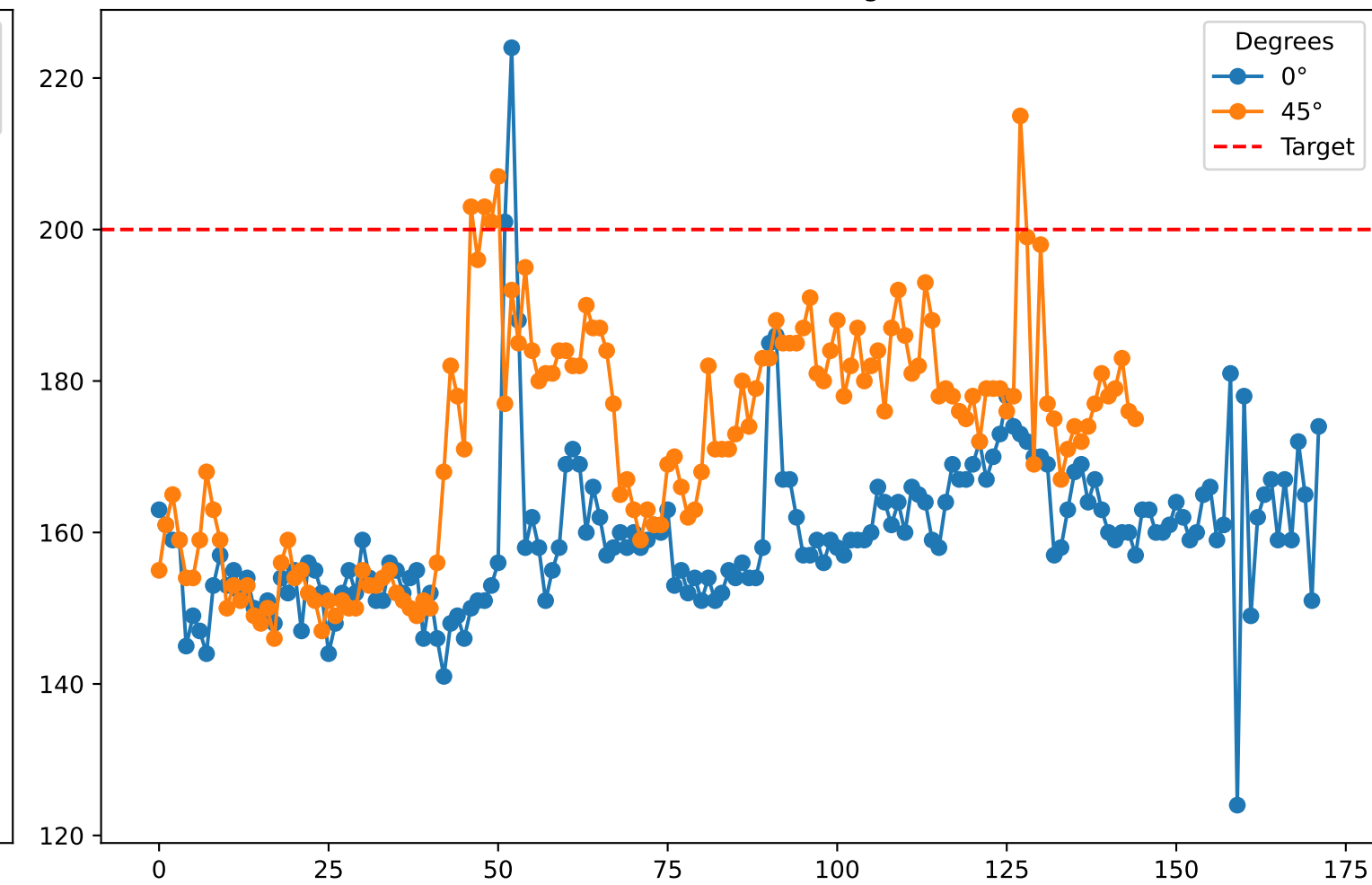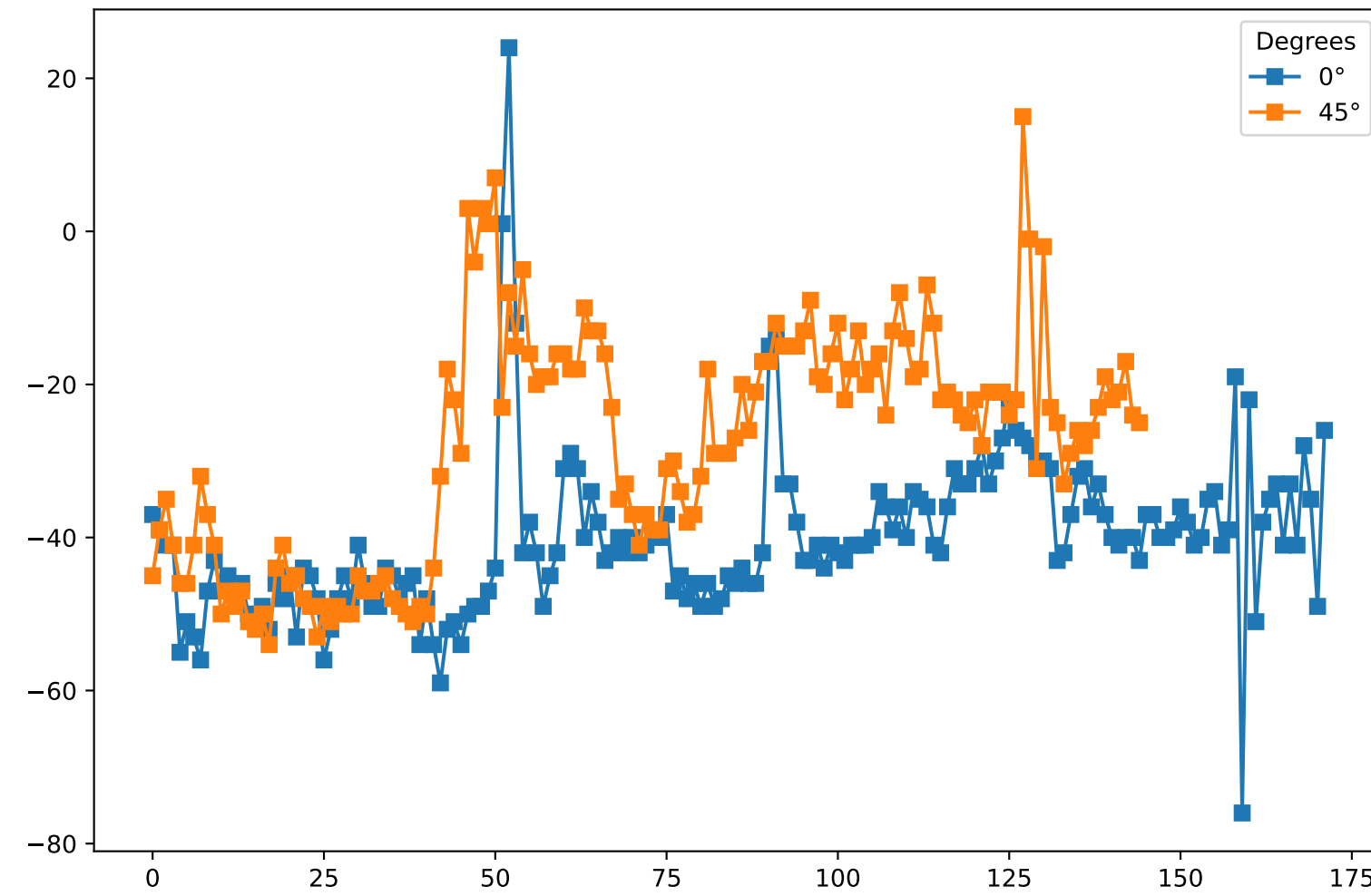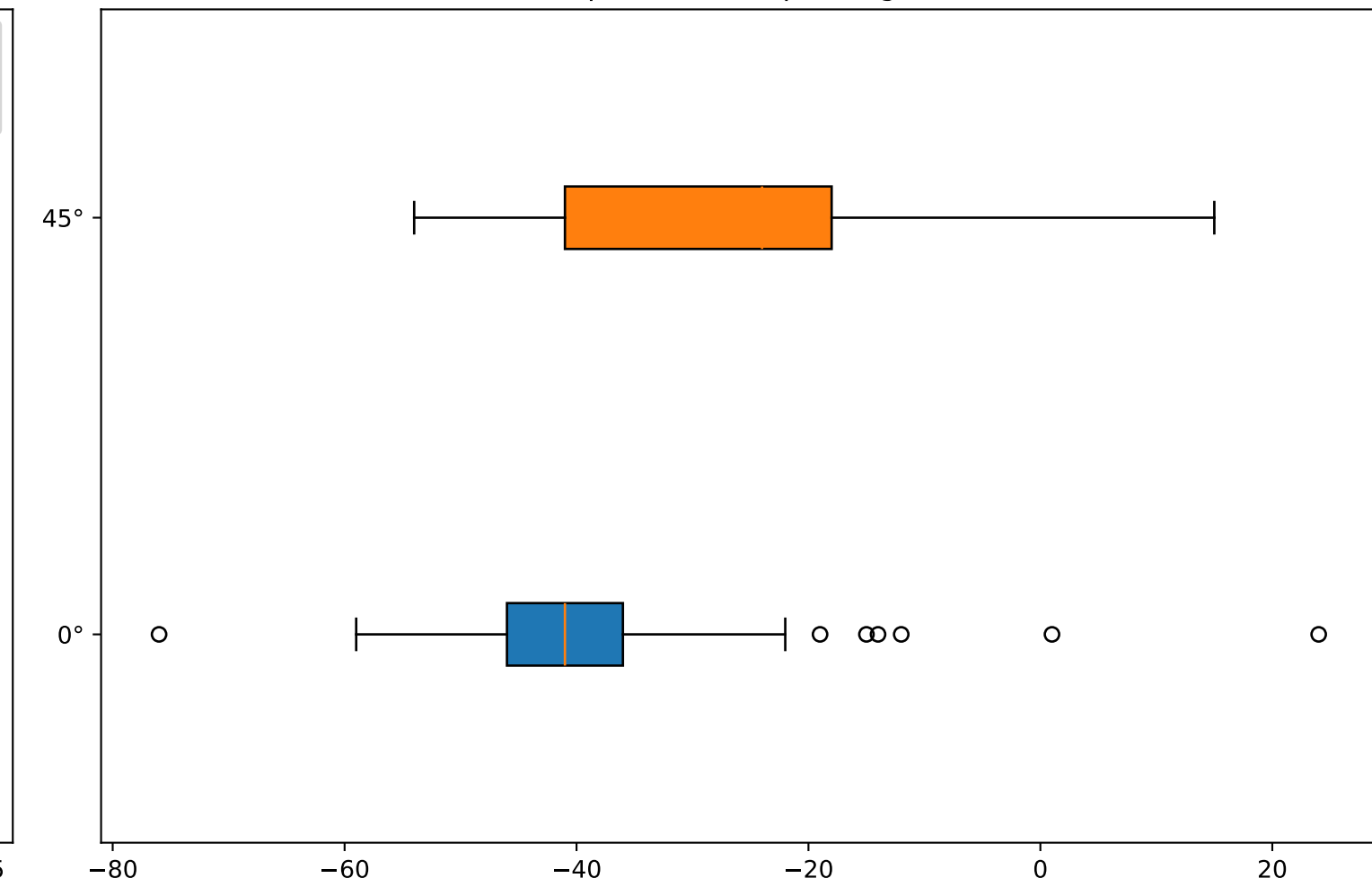
```
Analysis for Distance=200cm and Angle=45°
Metrics:
+-----------+-----------+----------+
| Metric    |    File 1 |   File 2 |
+===========+===========+==========+
| MAE       |   40.4942 |  28.0207 |
+-----------+-----------+----------+
| MSE       | 1724.3    | 986.821  |
+-----------+-----------+----------+
| RMSE      |   41.5246 |  31.4137 |
+-----------+-----------+----------+
| MAPE      |   20.2471 |  14.0103 |
+-----------+-----------+----------+
| Max Error | 76        | 54       |
+-----------+-----------+----------+
| Std Error |   10.3912 |  14.9639 |
+-----------+-----------+----------+
```

Analysis of Measurements for Goal: 200 (200cm_90degree)
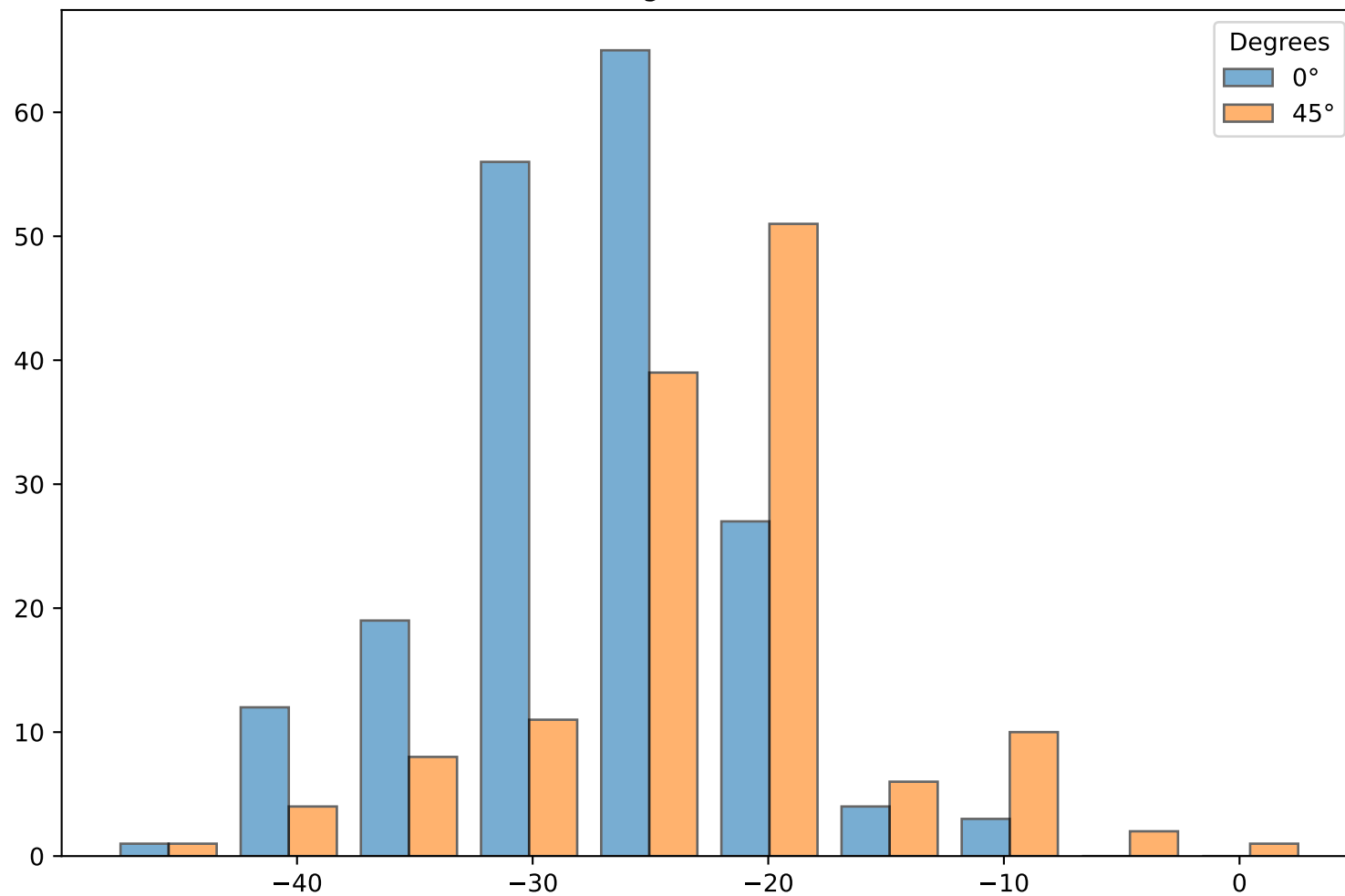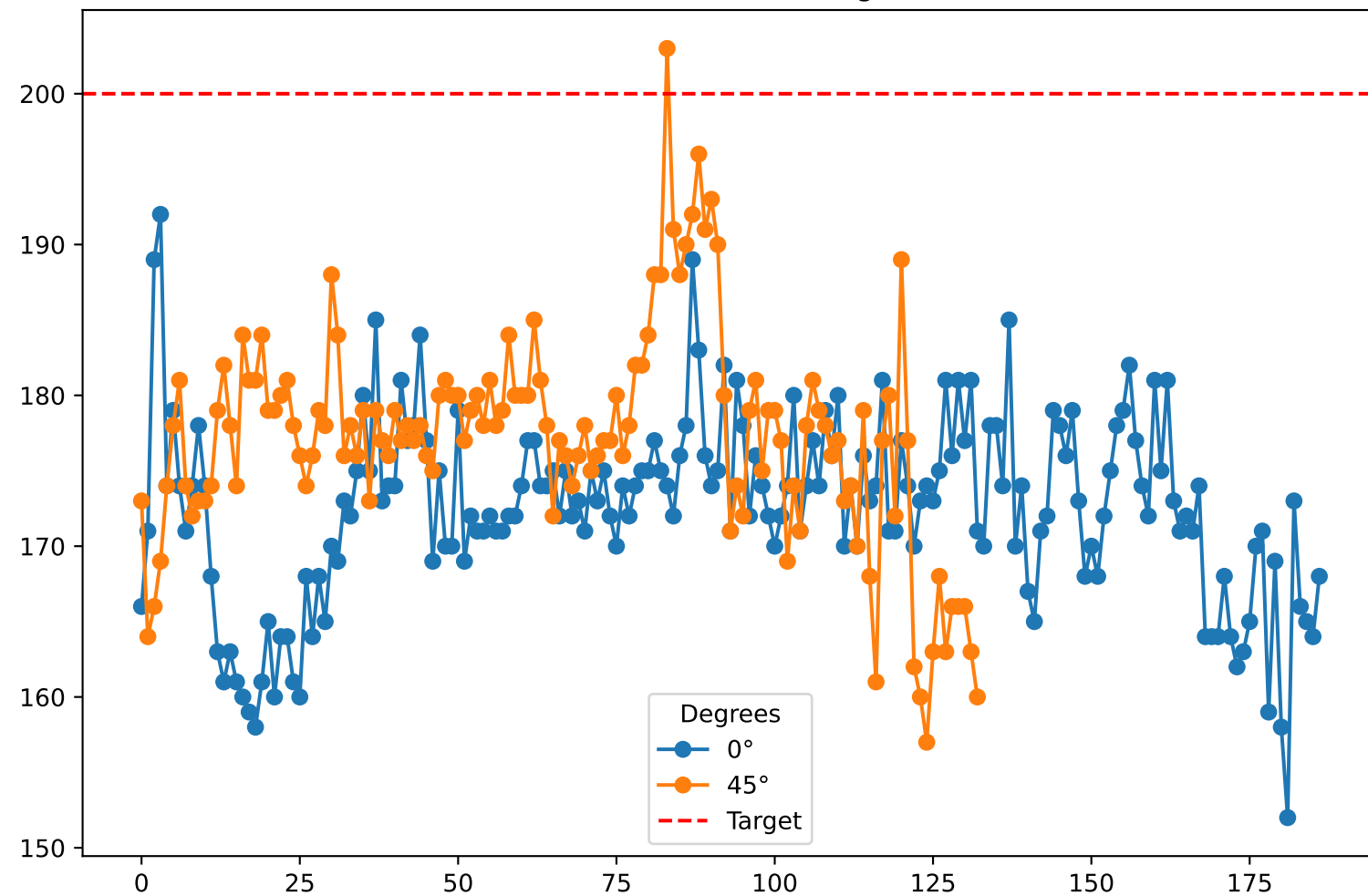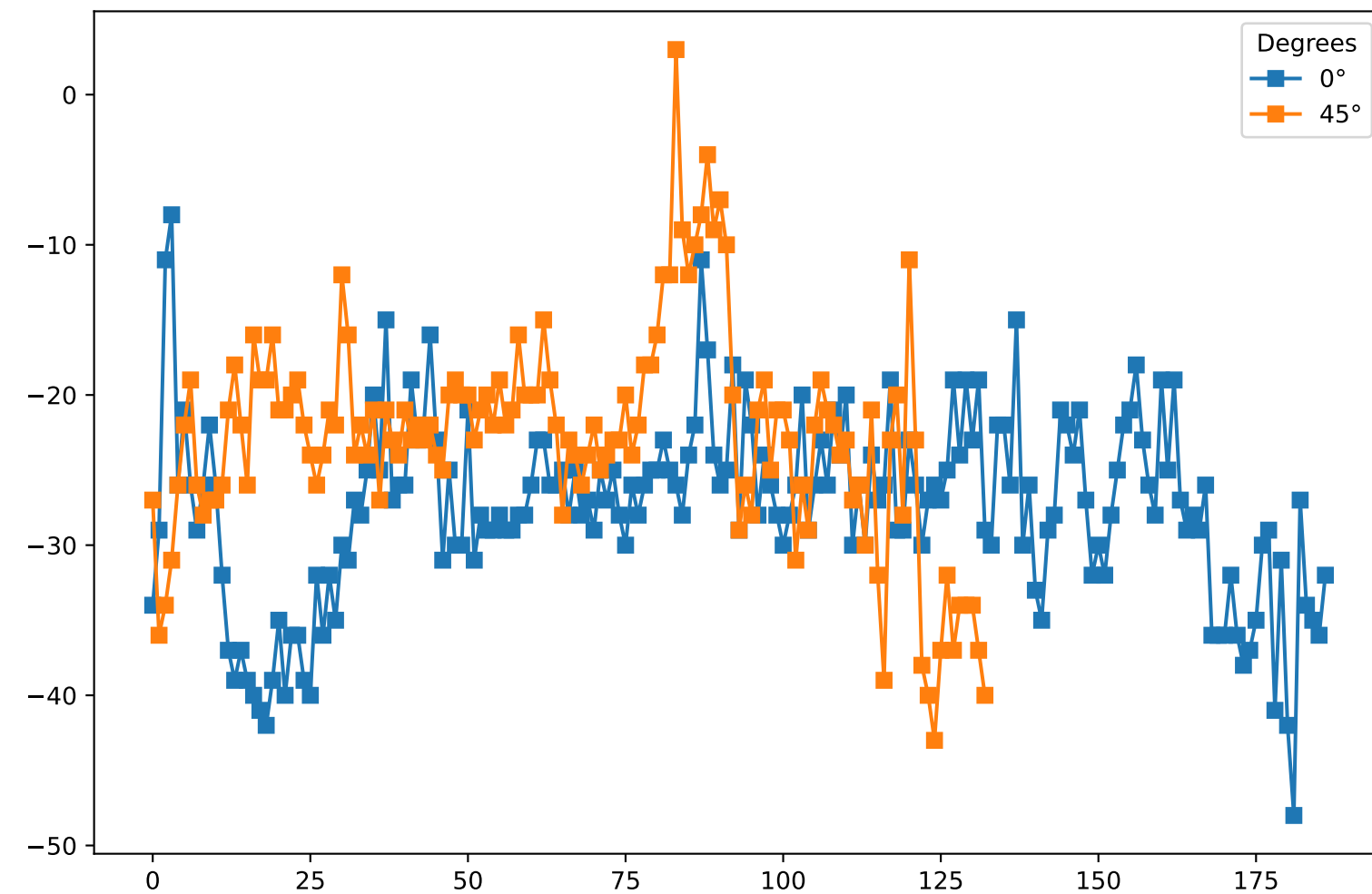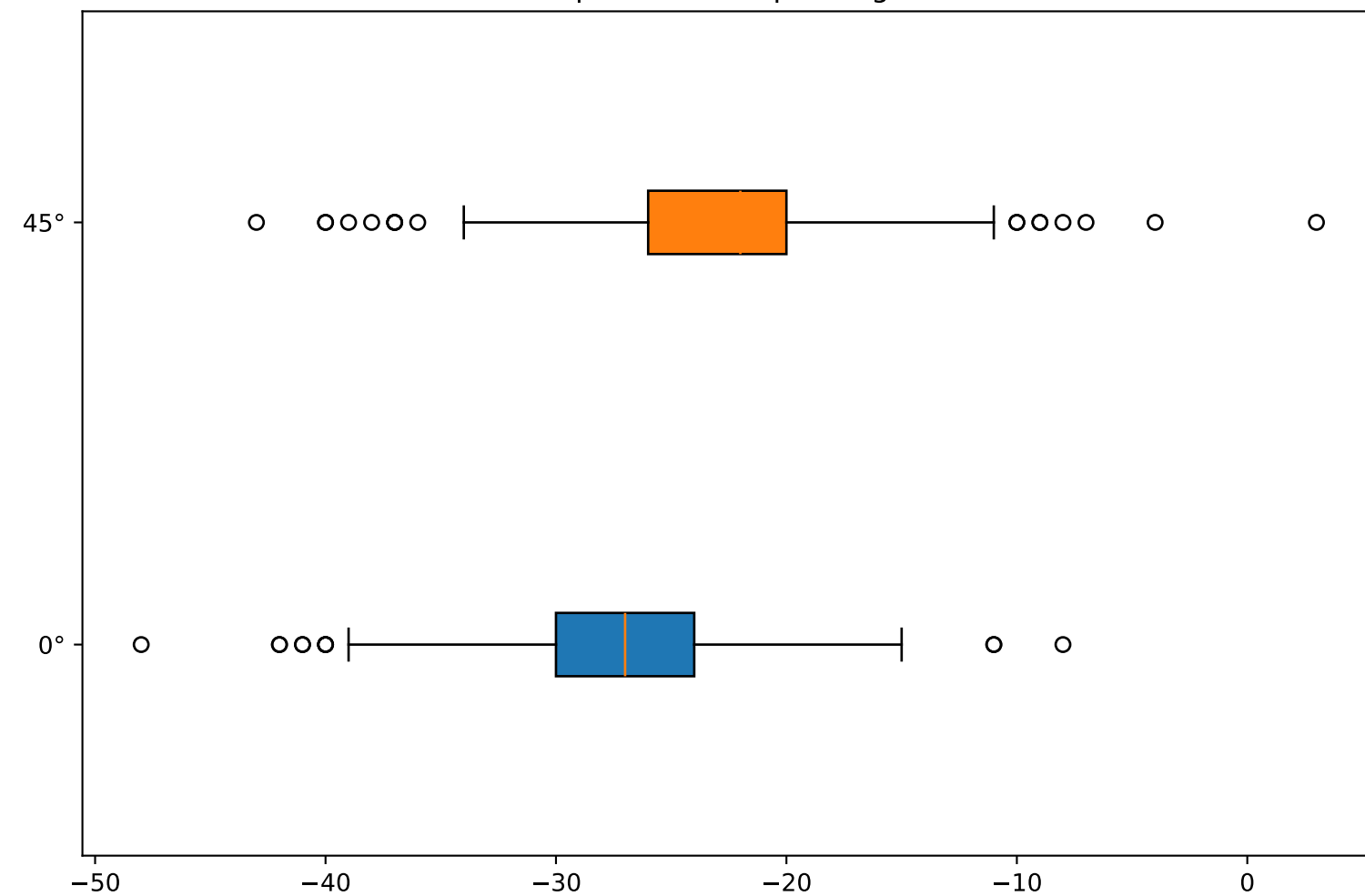
Analysis for Distance=200cm and Angle=90°
Metrics:

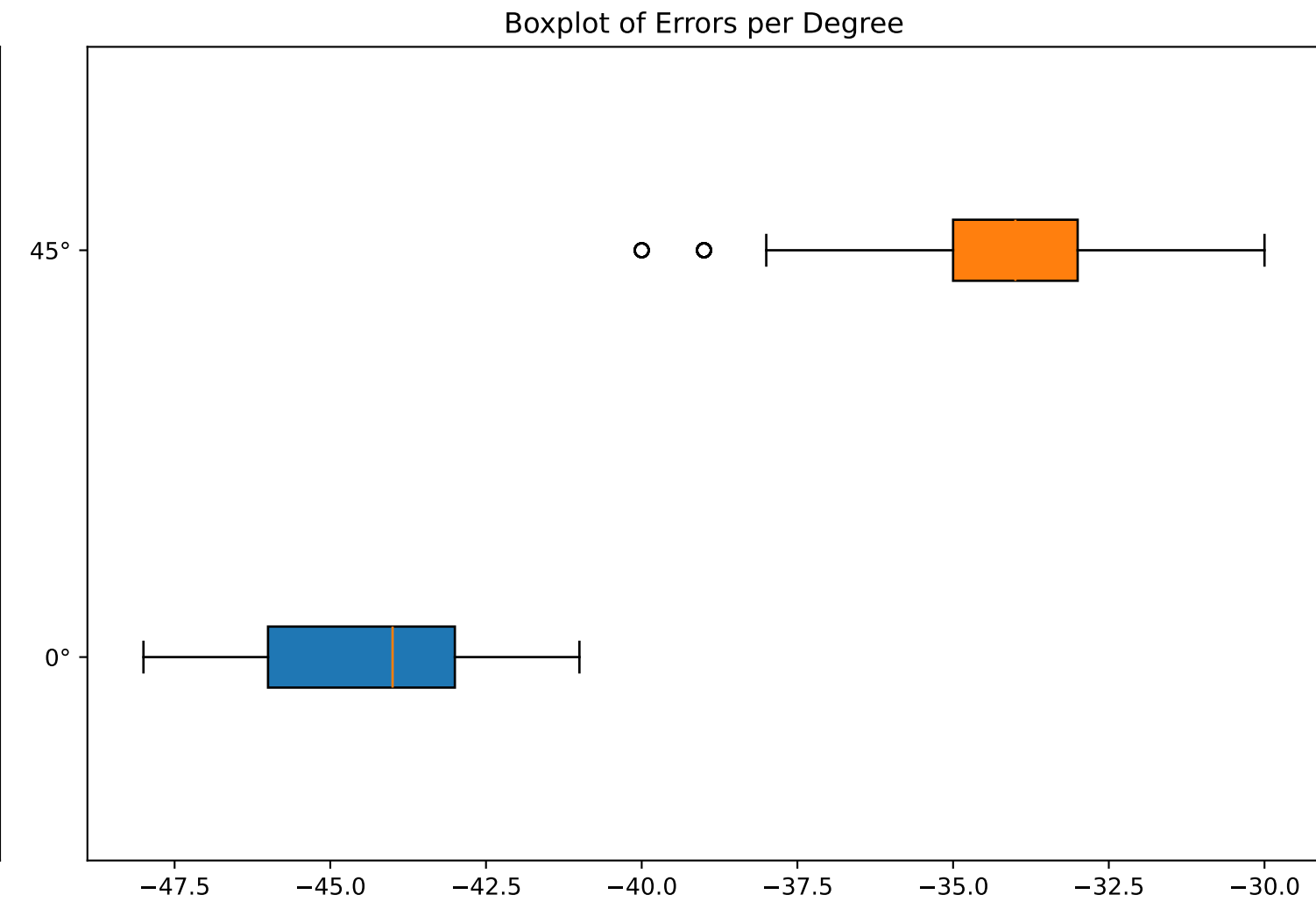| Metric	File 1	File 2
MAE	27.4813	22.7895
MSE	793.62	569.632
RMSE	28.1713	23.867
MAPE	13.7406	11.3947
Max Error	48	43
Std Error	6.1967	7.2336

Analysis of Measurements for Goal: 200 (200cm_135degree)
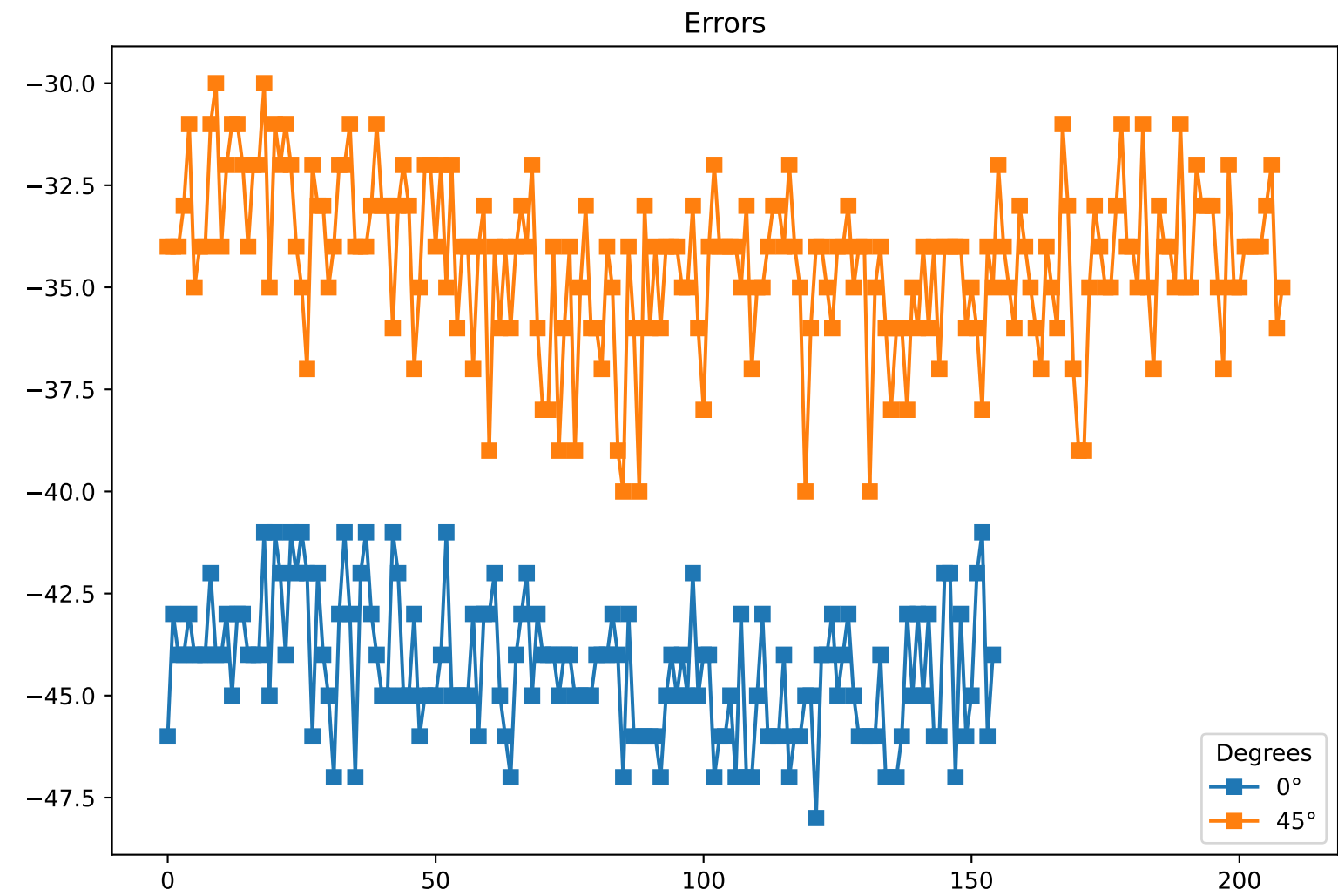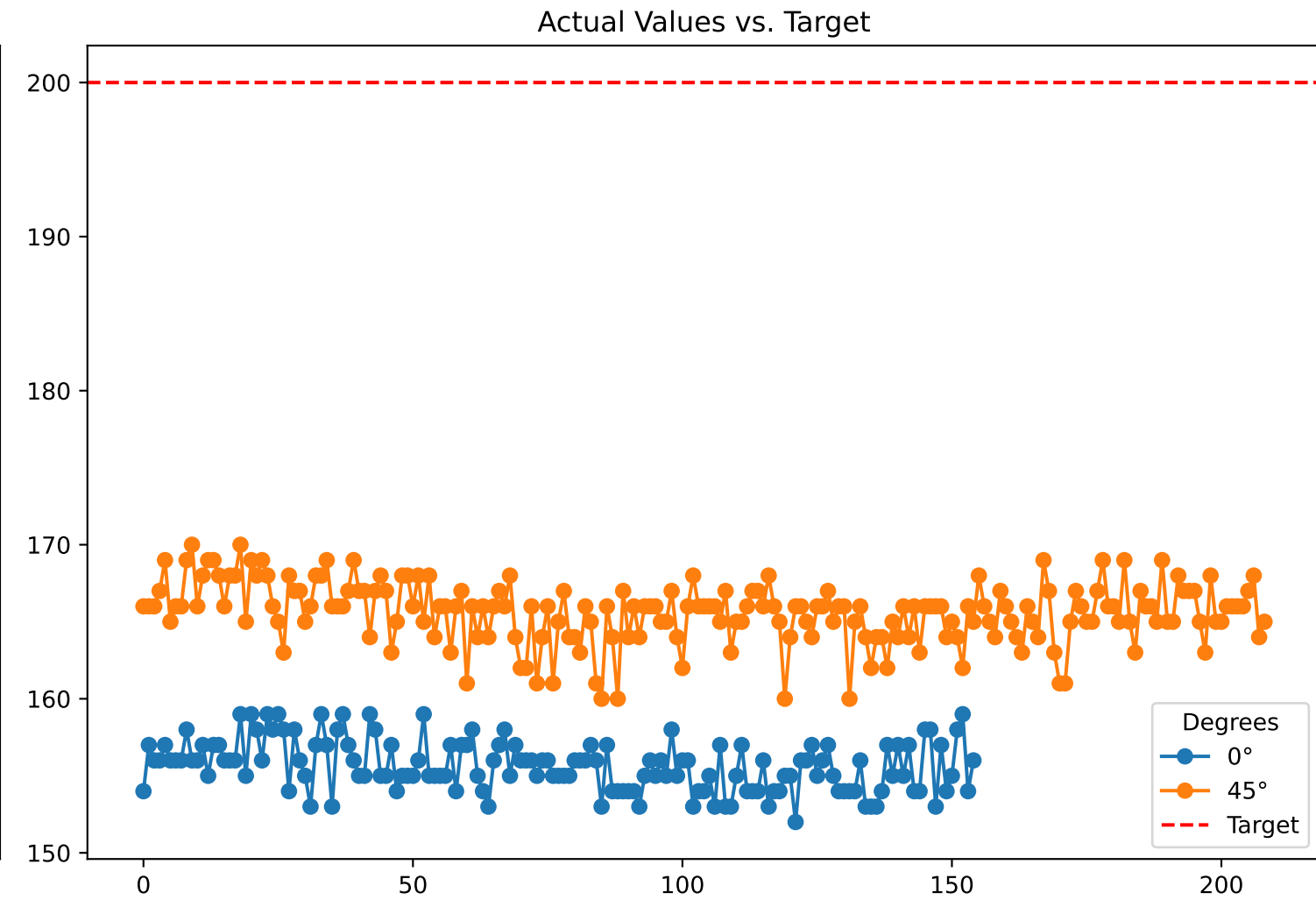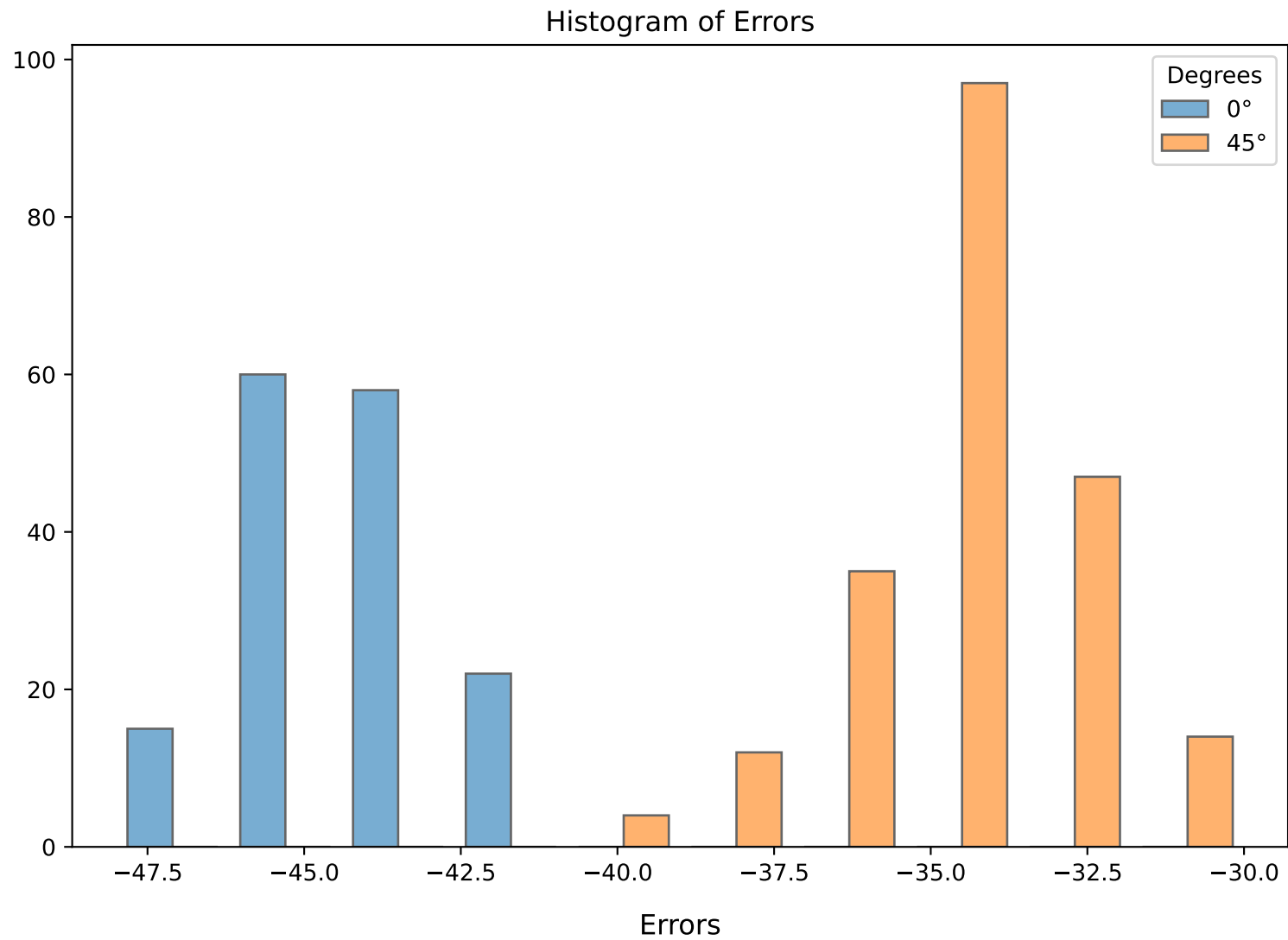
```
Analysis for Distance=200cm and Angle=135°
Metrics:
+-----------+-----------+-----------+
| Metric    |    File 1 |    File 2 |
+===========+===========+===========+
| MAE       |   44.3548 |   34.3876 |
+-----------+-----------+-----------+
| MSE       | 1970.05   | 1186.49   |
+-----------+-----------+-----------+
| RMSE      |   44.3852 |   34.4455 |
+-----------+-----------+-----------+
| MAPE      |   22.1774 |   17.1938 |
+-----------+-----------+-----------+
| Max Error | 48        | 40        |
+-----------+-----------+-----------+
| Std Error |    1.6412 |    1.9971 |
+-----------+-----------+-----------+
```
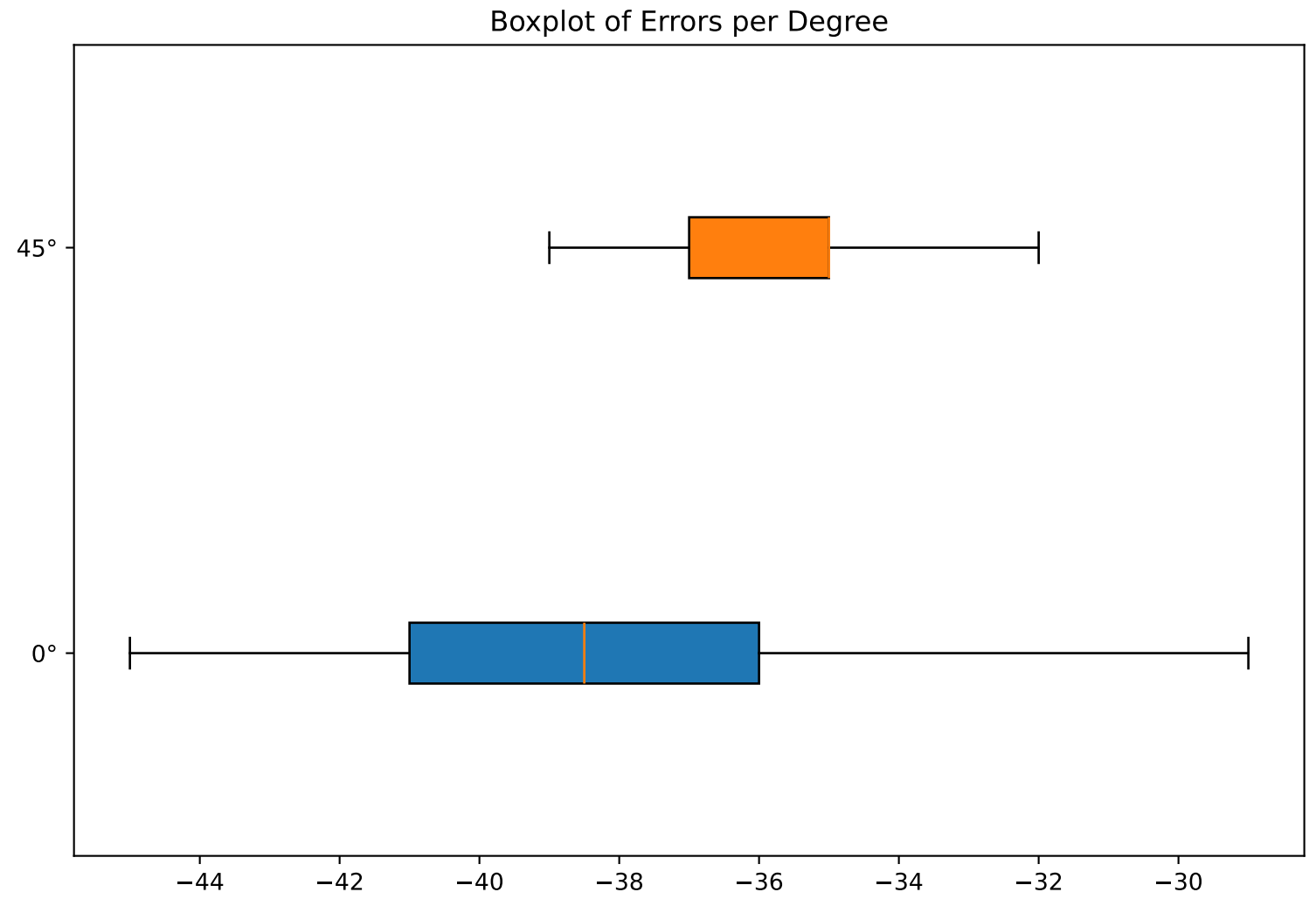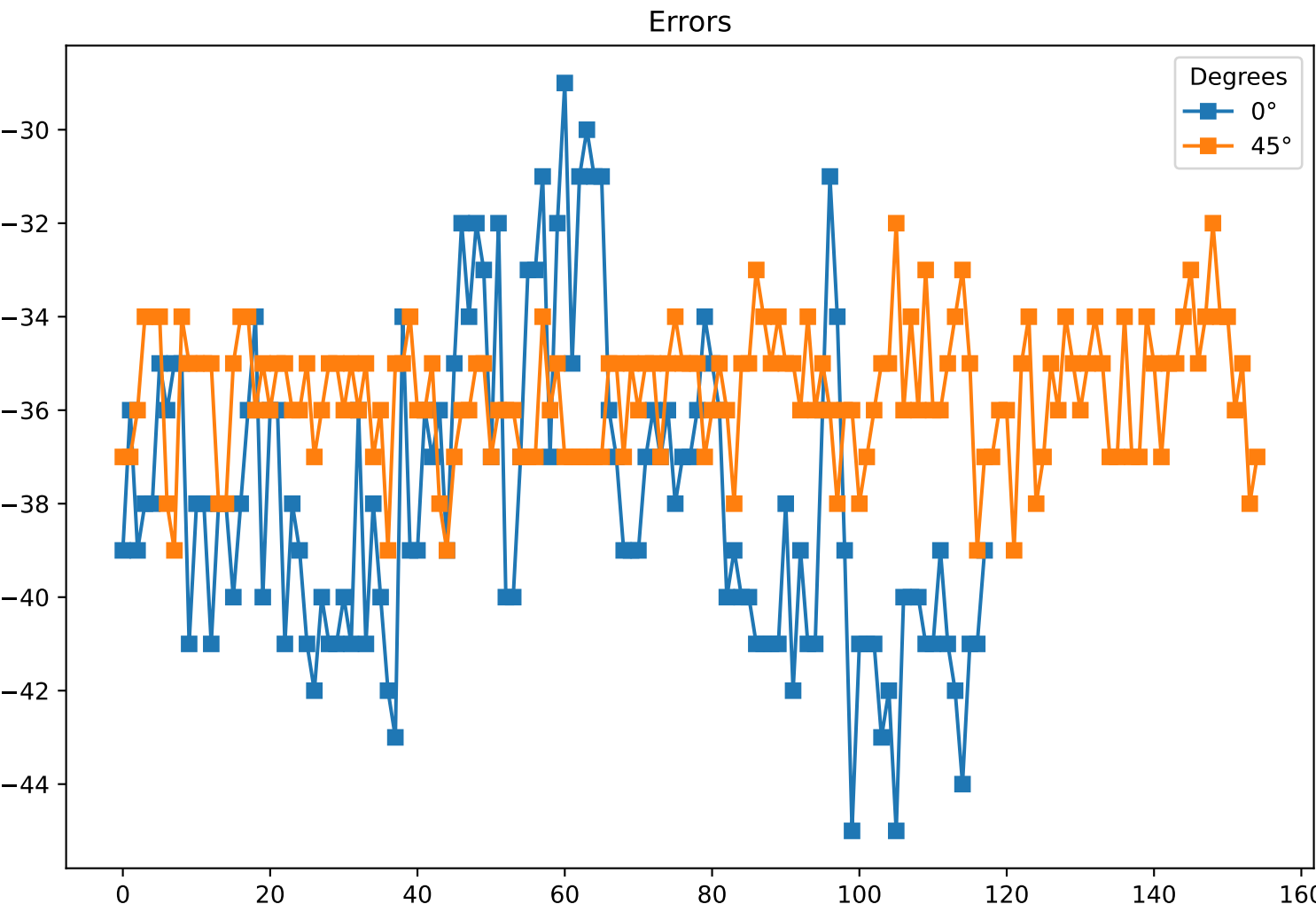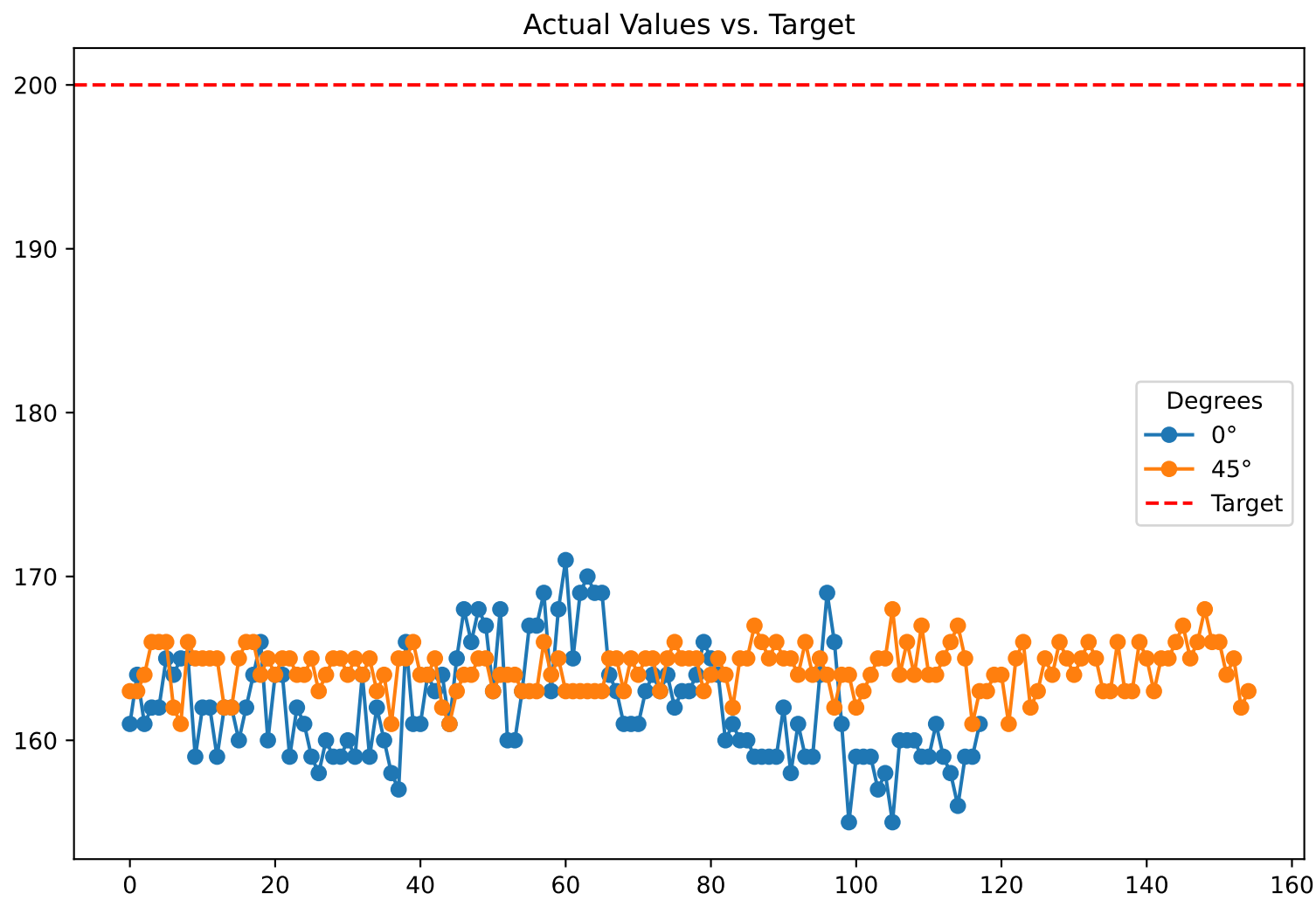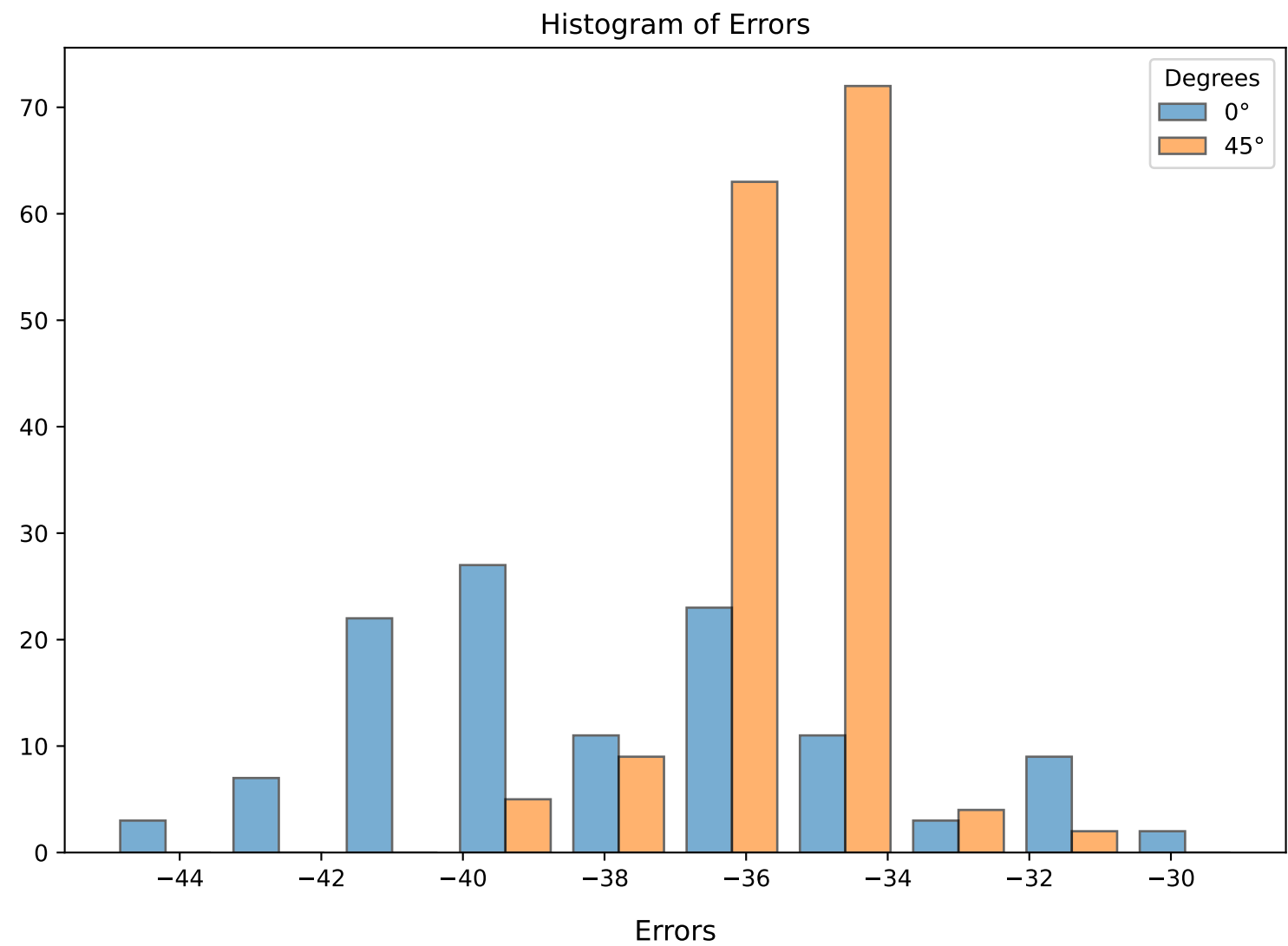
Analysis of Measurements for Goal: 200 (200cm_180degree)

Analysis for Distance=200cm and Angle=180°
Metrics:

Metric	File 1	File 2
MAE	37.9153	35.6516
MSE	1448.88	1272.97
RMSE	38.0642	35.6787
MAPE	18.9576	17.8258
Max Error	45	39
Std Error	3.3638	1.3893

Analysis of Measurements for Goal: 300 (300cm_0degree)
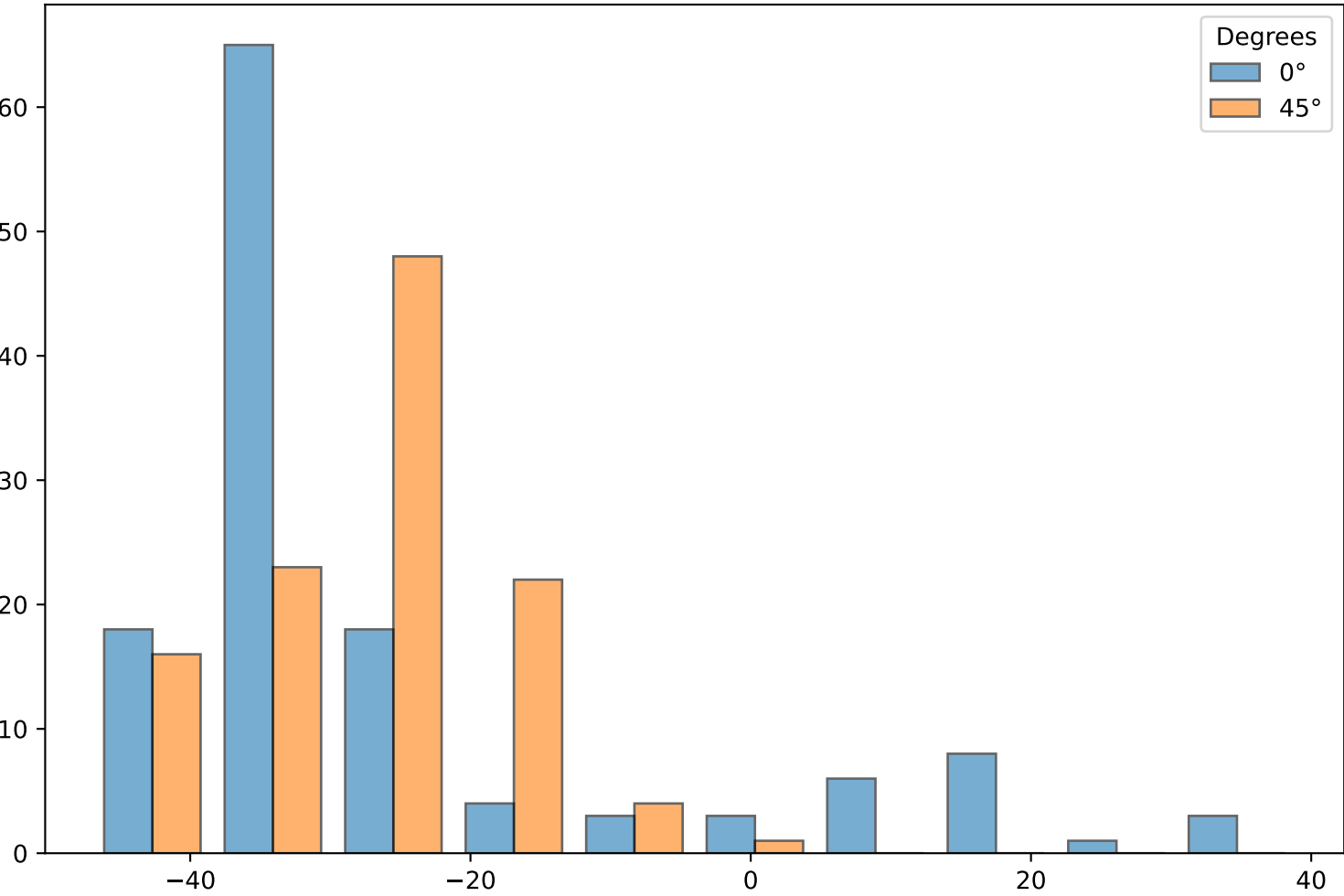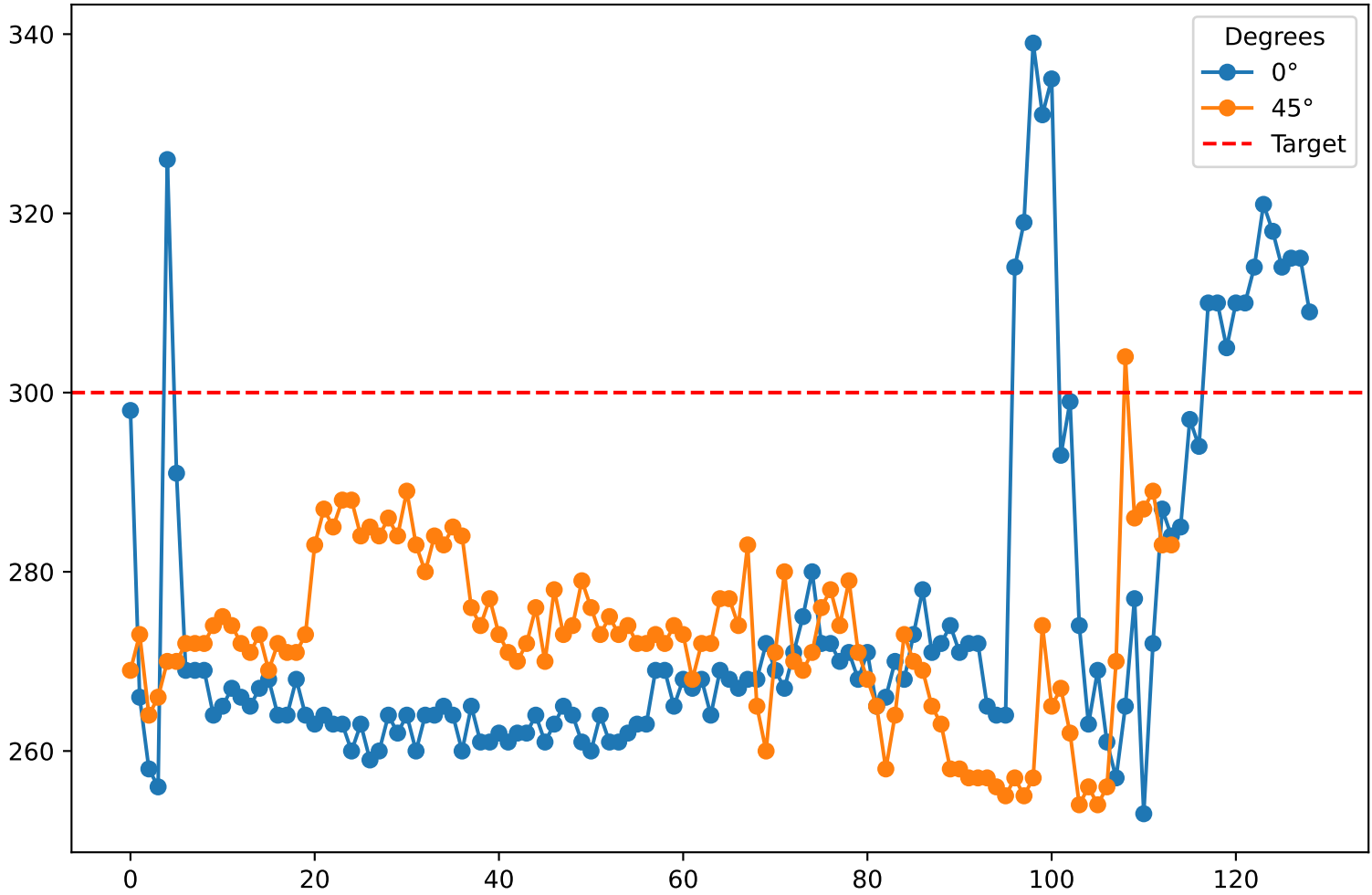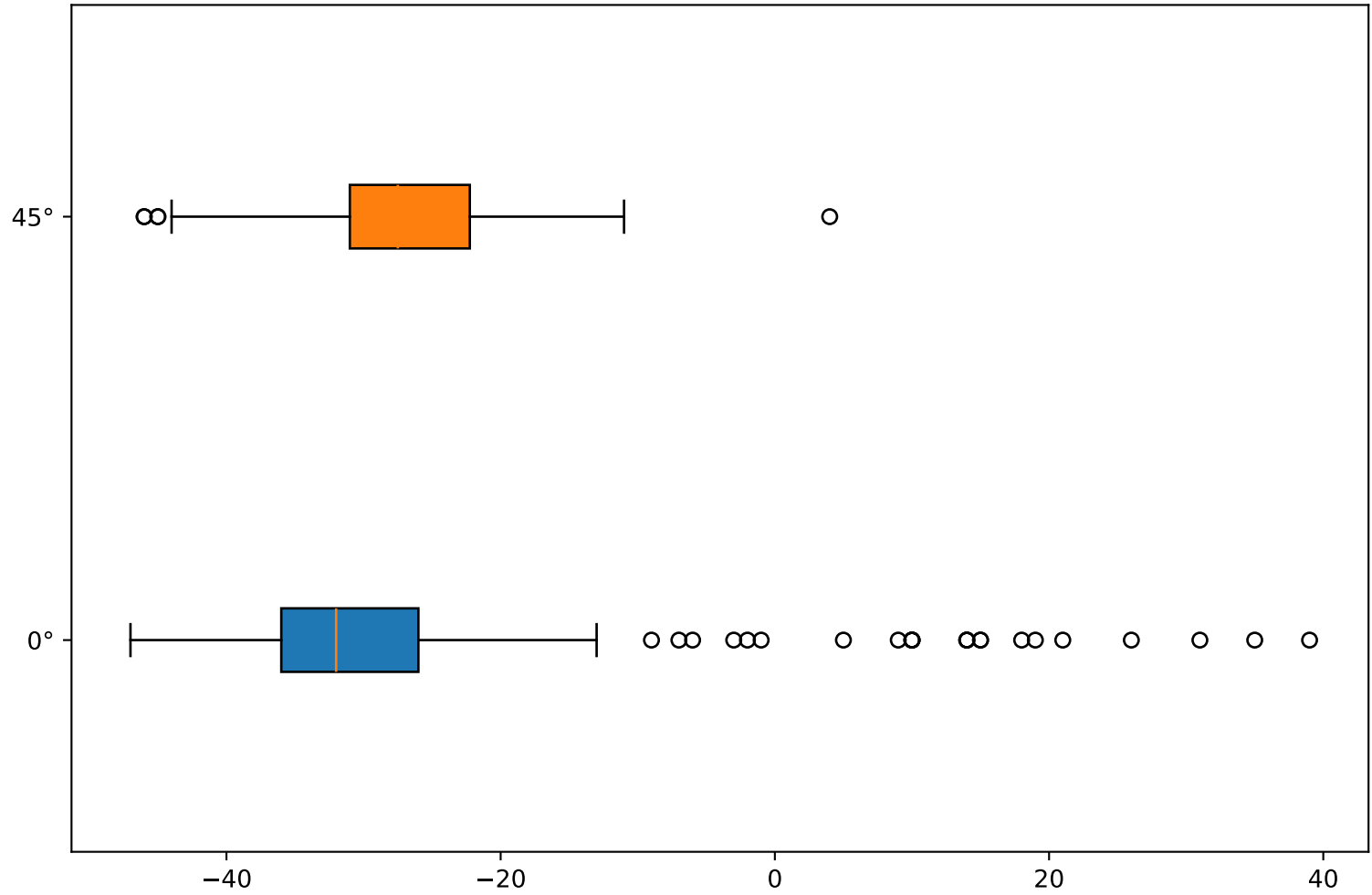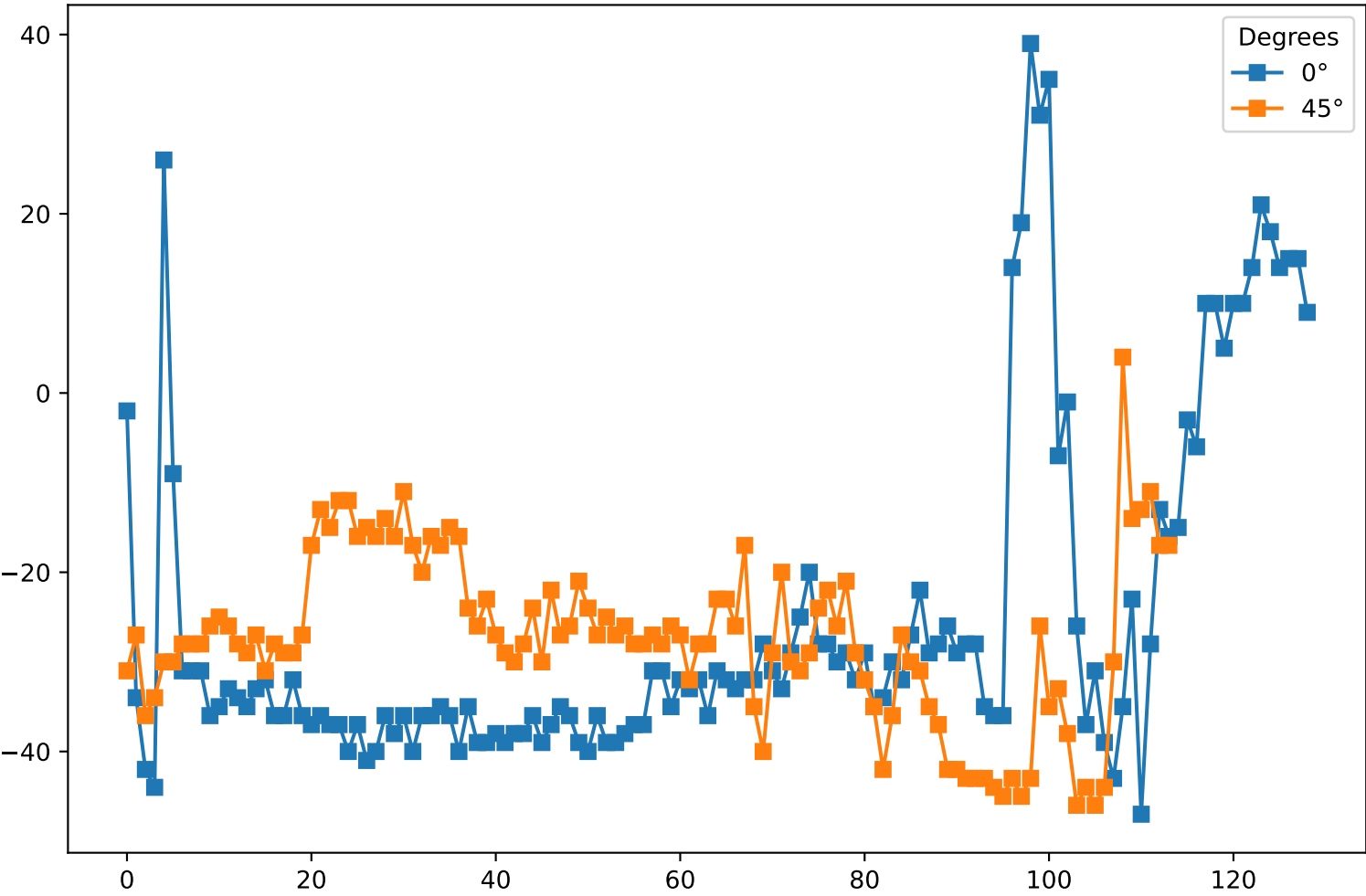
Analysis for Distance=300cm and Angle=0°
Metrics:

Metric	File 1	File 2
MAE	29.969	27.4912
MSE	998.853	838.684
RMSE	31.6046	28.96
MAPE	9.9897	9.1637
Max Error	47	46
Std Error	19.2245	9.315

Analysis of Measurements for Goal: 300 (300cm_45degree)
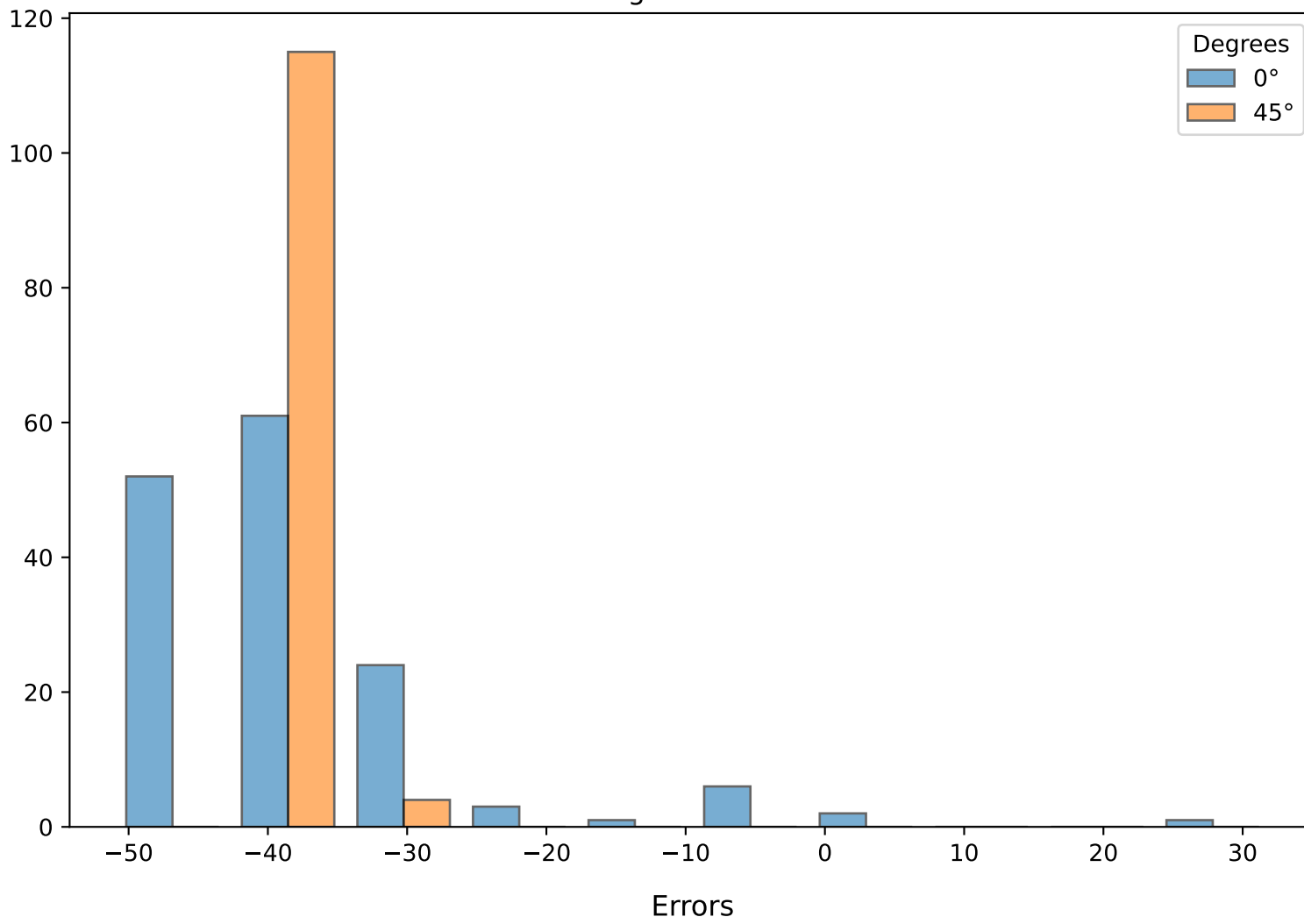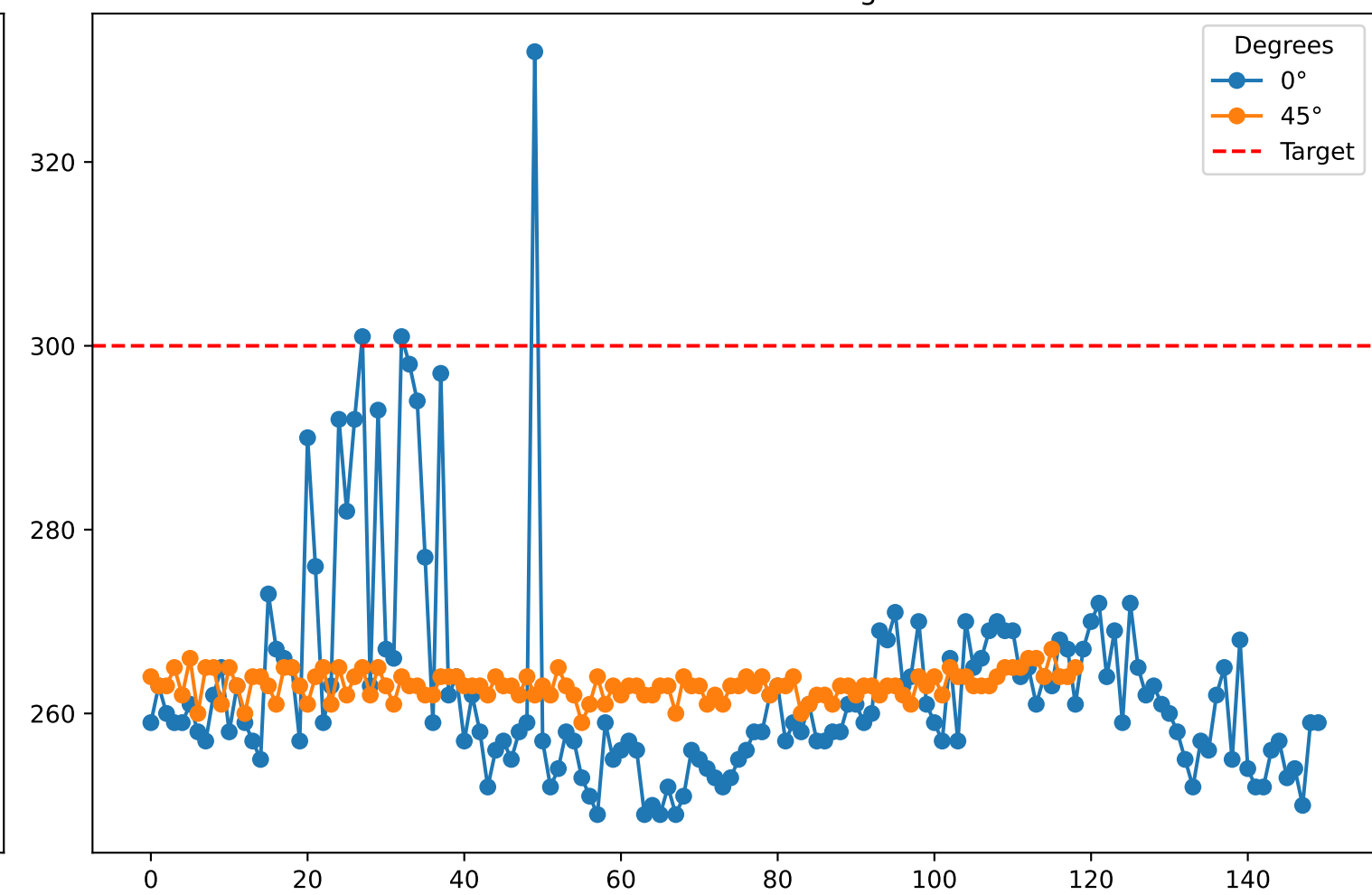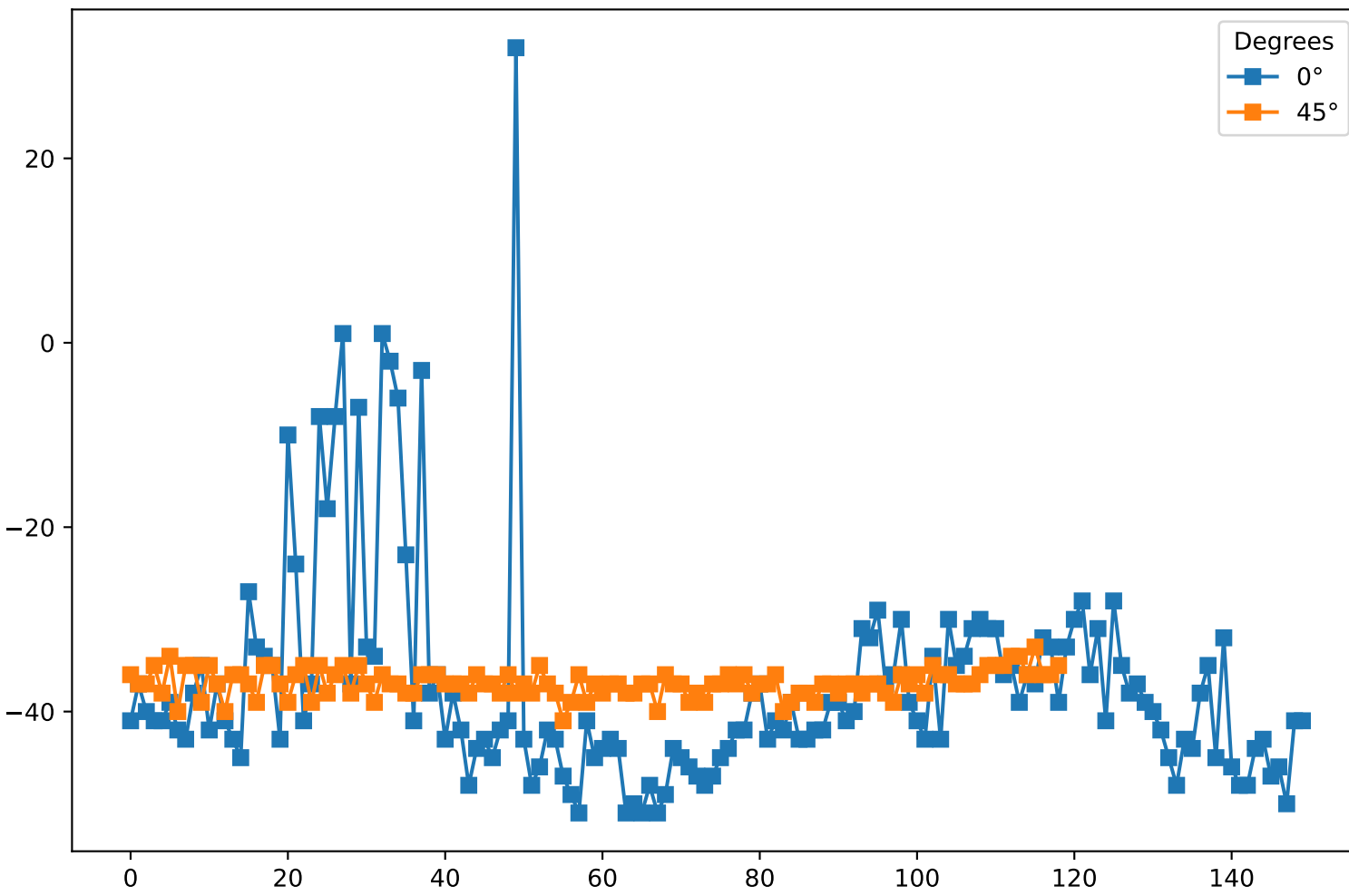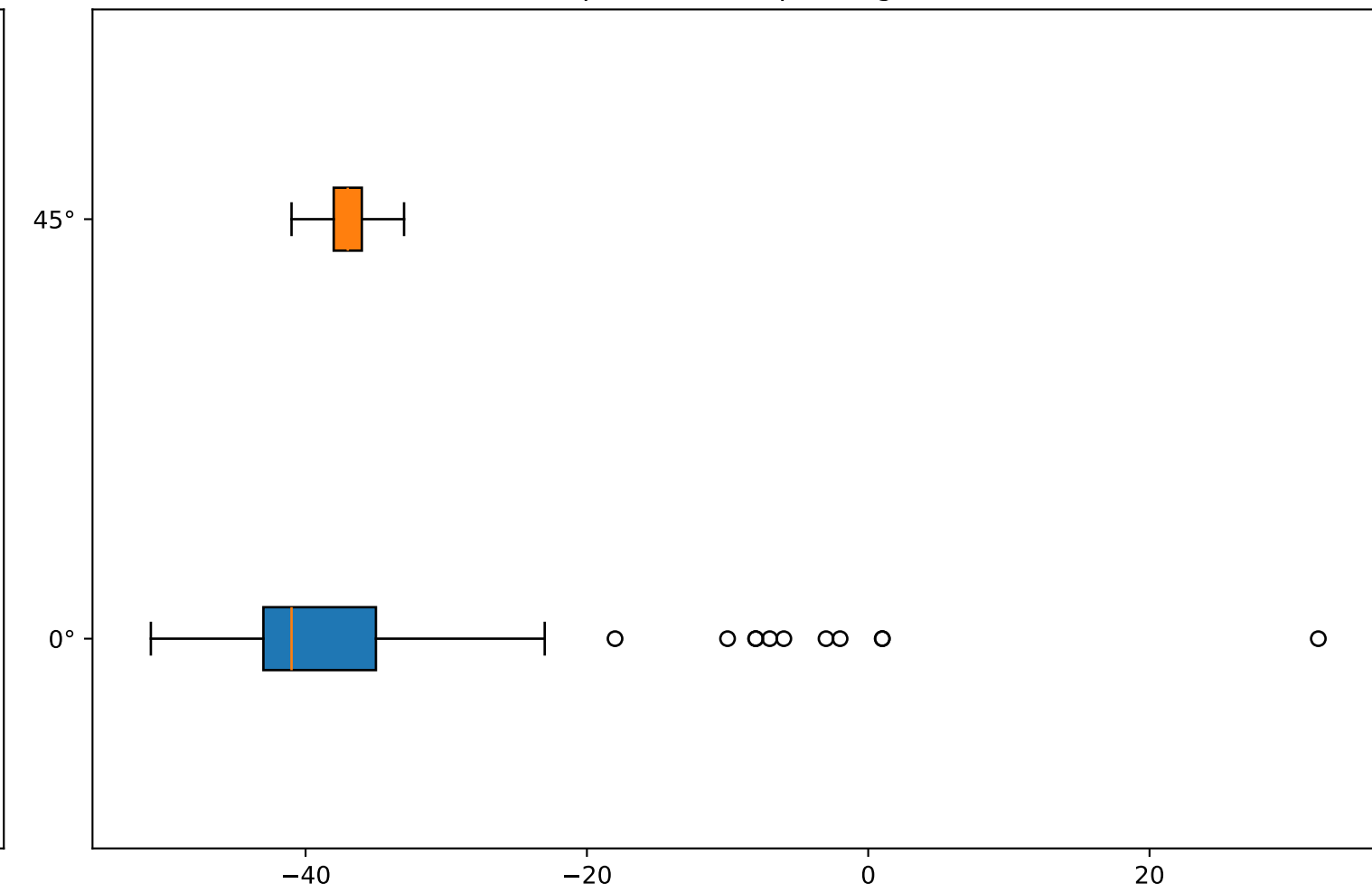
Analysis for Distance=300cm and Angle=45°
Metrics:

Metric	File 1	File 2
MAE	37.6933	36.9328
MSE	1525.49	1366.14
RMSE	39.0576	36.9614
MAPE	12.5644	12.3109
Max Error	51	41
Std Error	11.7761	1.4537

Analysis of Measurements for Goal: 300 (300cm_90degree)
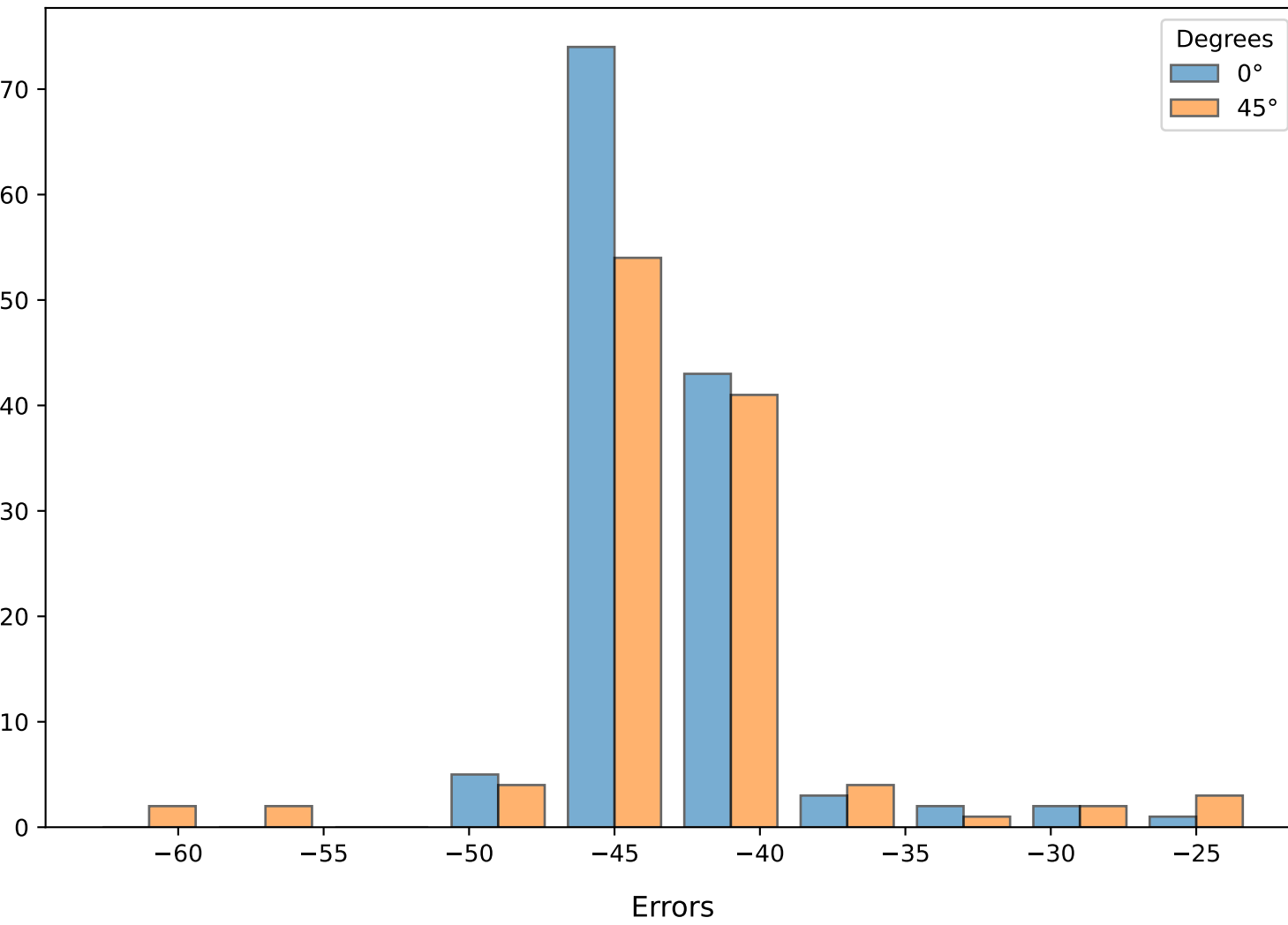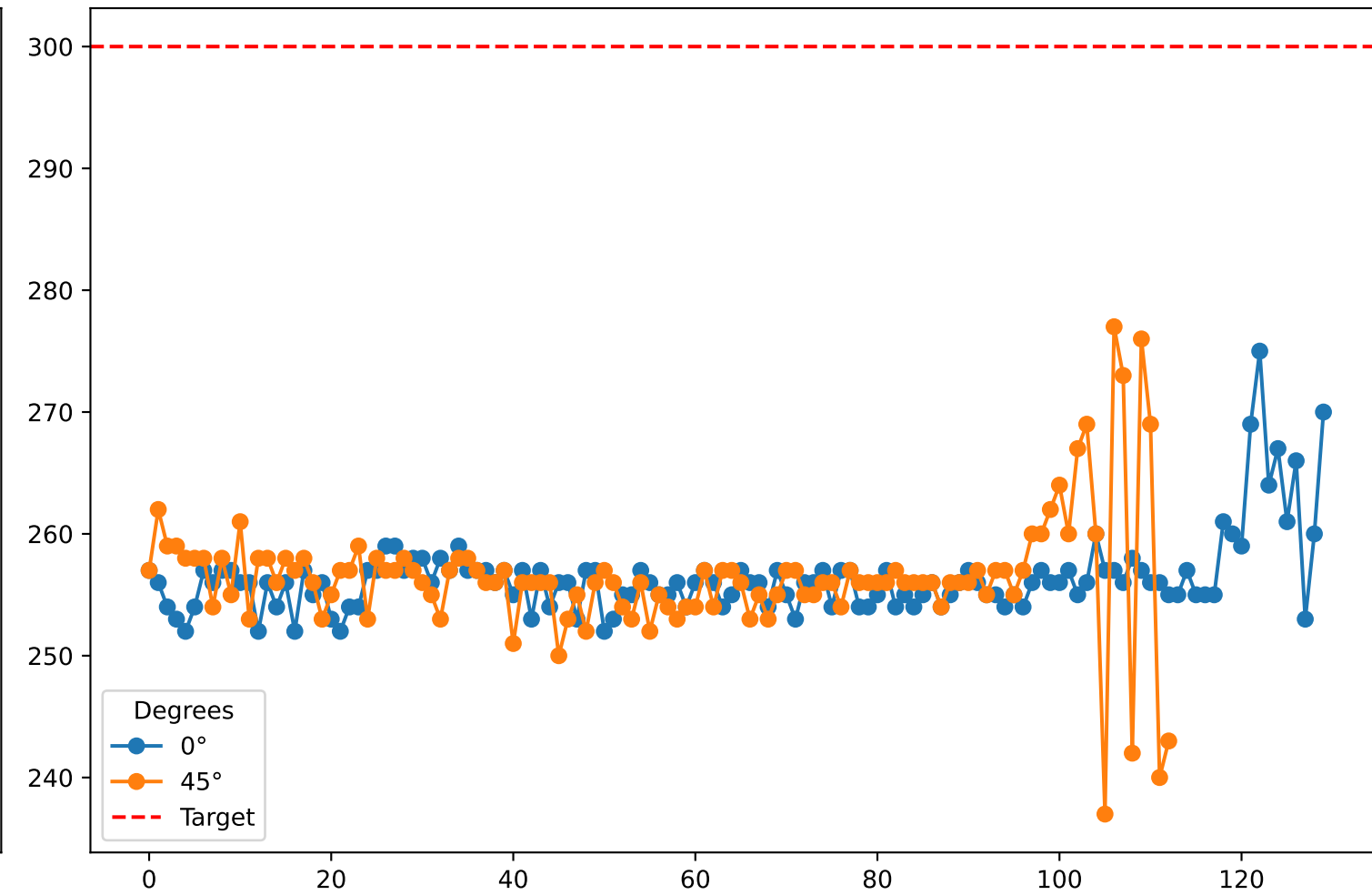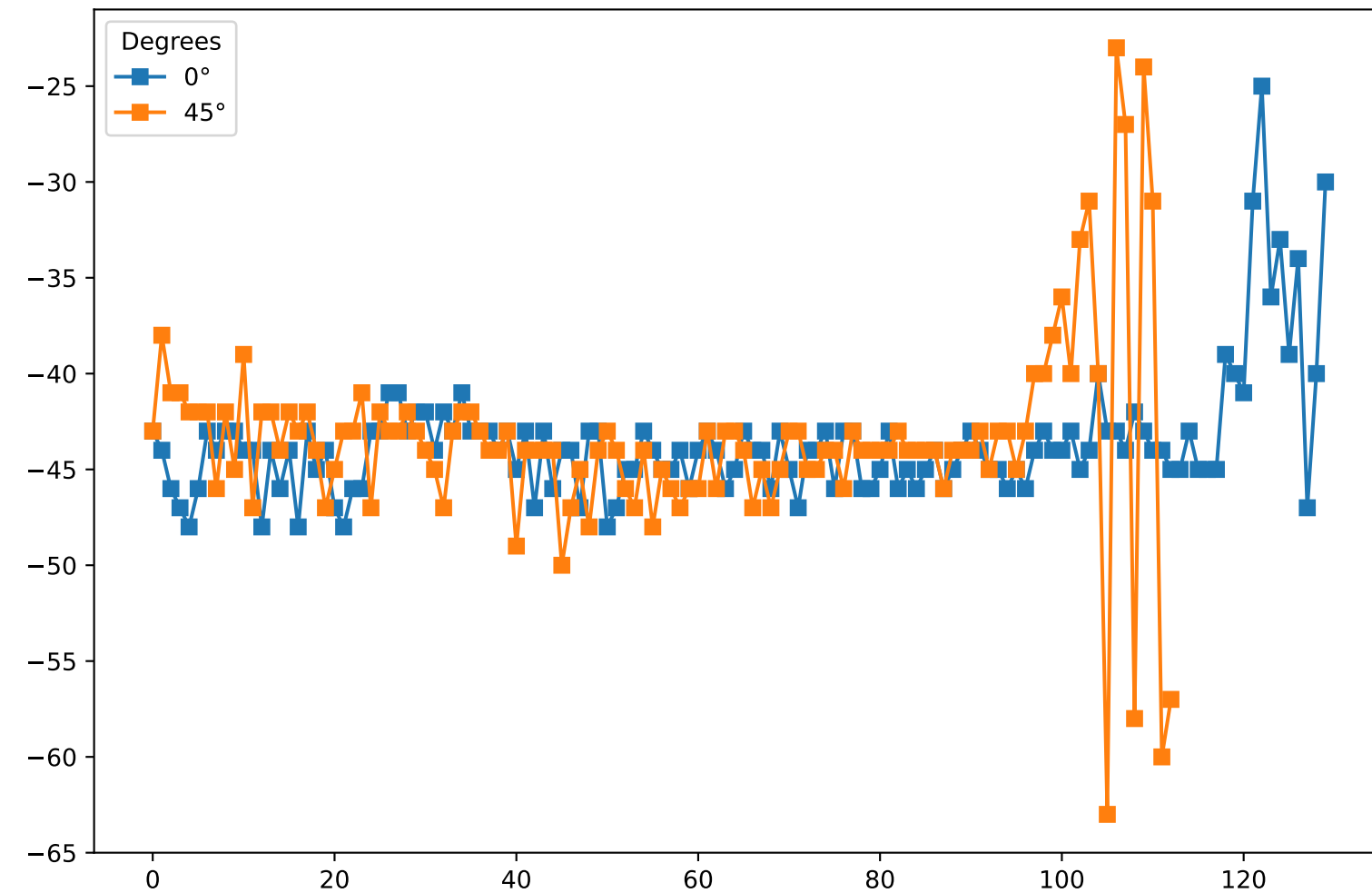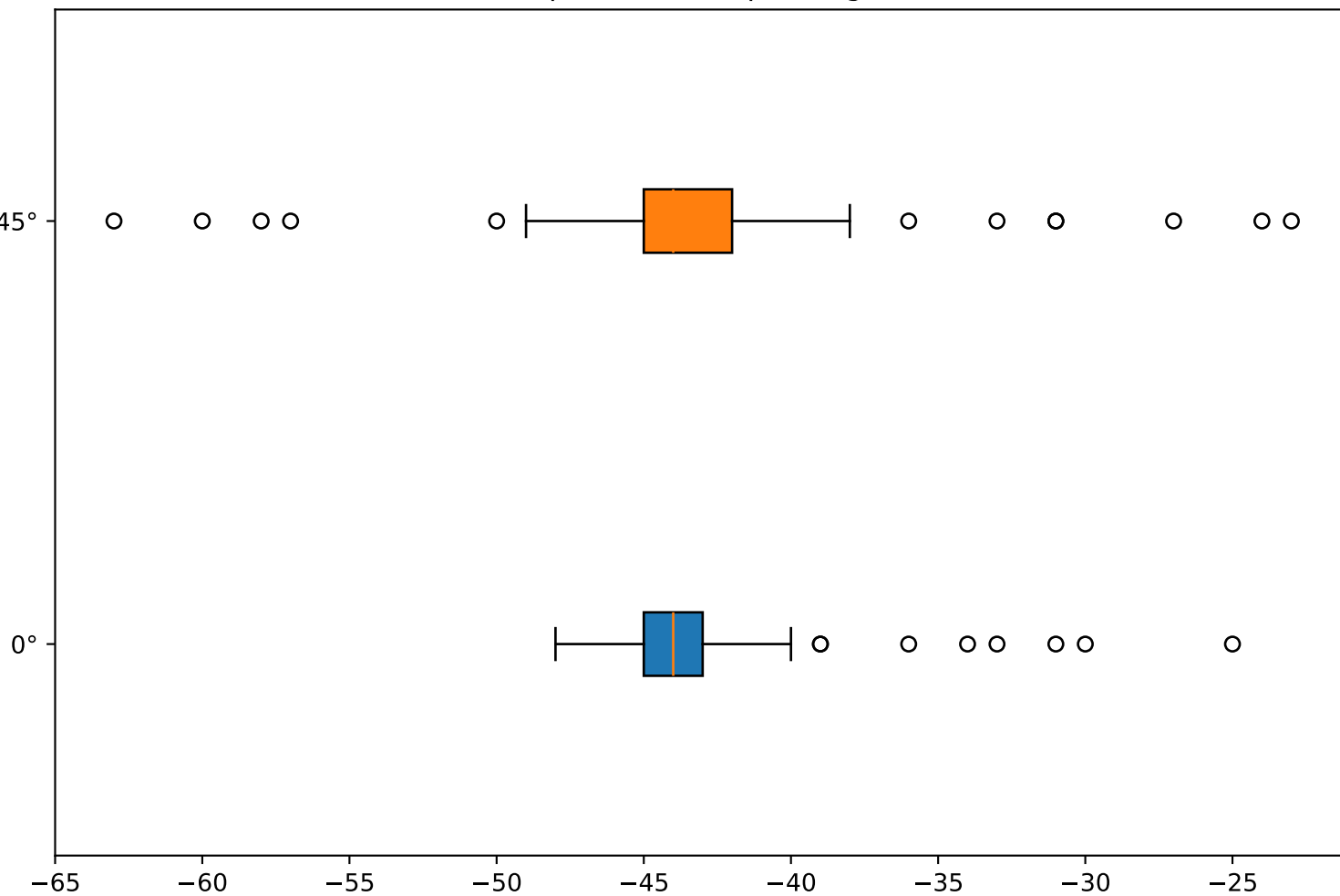
```
Analysis for Distance=300cm and Angle=90°
Metrics:
+-----------+-----------+-----------+
| Metric    |    File 1 |    File 2 |
+===========+===========+===========+
| MAE       |   43.5923 |   43.5044 |
+-----------+-----------+-----------+
| MSE       | 1911.08   | 1919.91   |
+-----------+-----------+-----------+
| RMSE      |   43.716  |   43.8168 |
+-----------+-----------+-----------+
| MAPE      |   14.5308 |   14.5015 |
+-----------+-----------+-----------+
| Max Error | 48        | 63        |
+-----------+-----------+-----------+
| Std Error |    3.2856 |    5.2227 |
+-----------+-----------+-----------+
```

Analysis of Measurements for Goal: 300 (300cm_135degree)
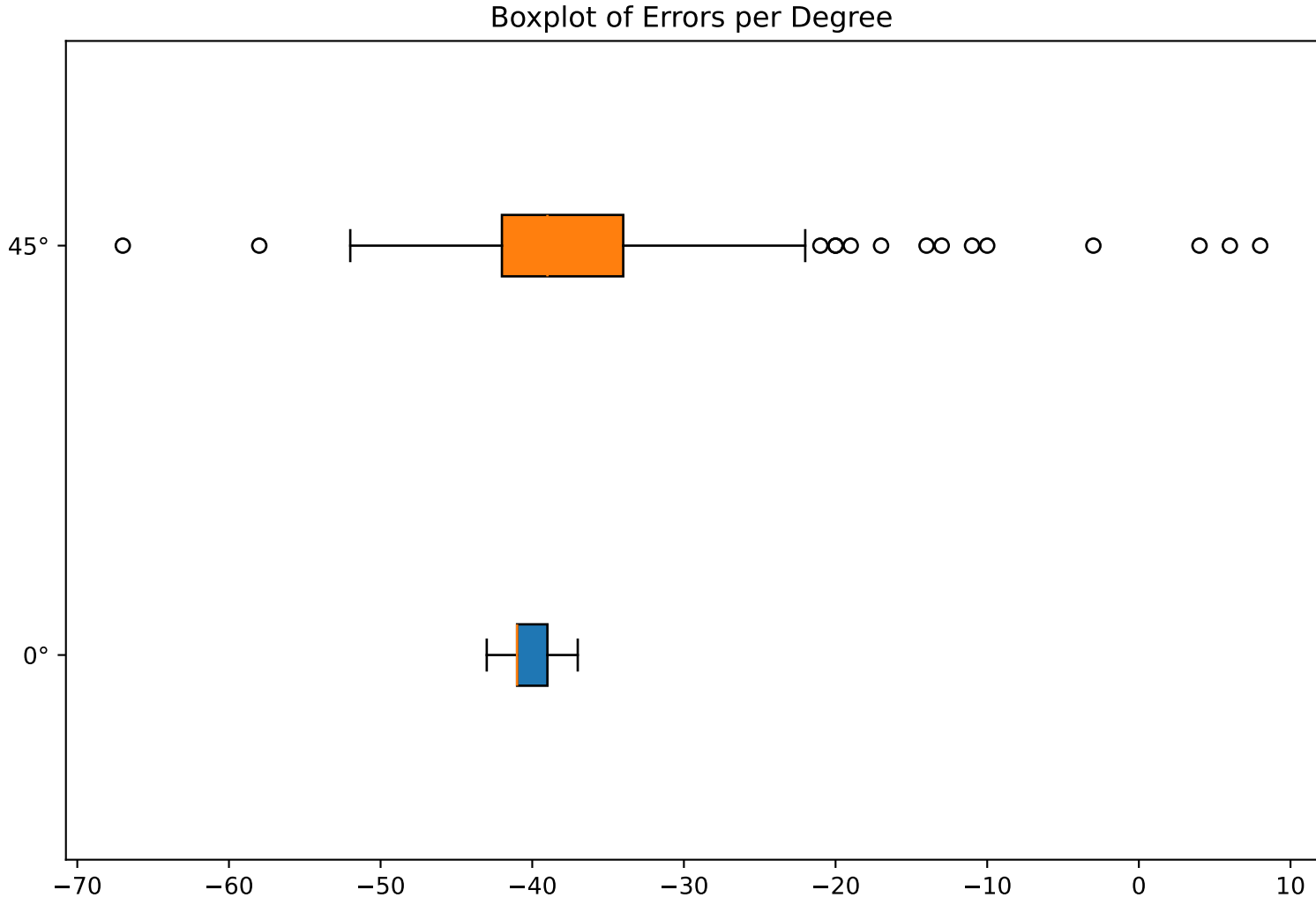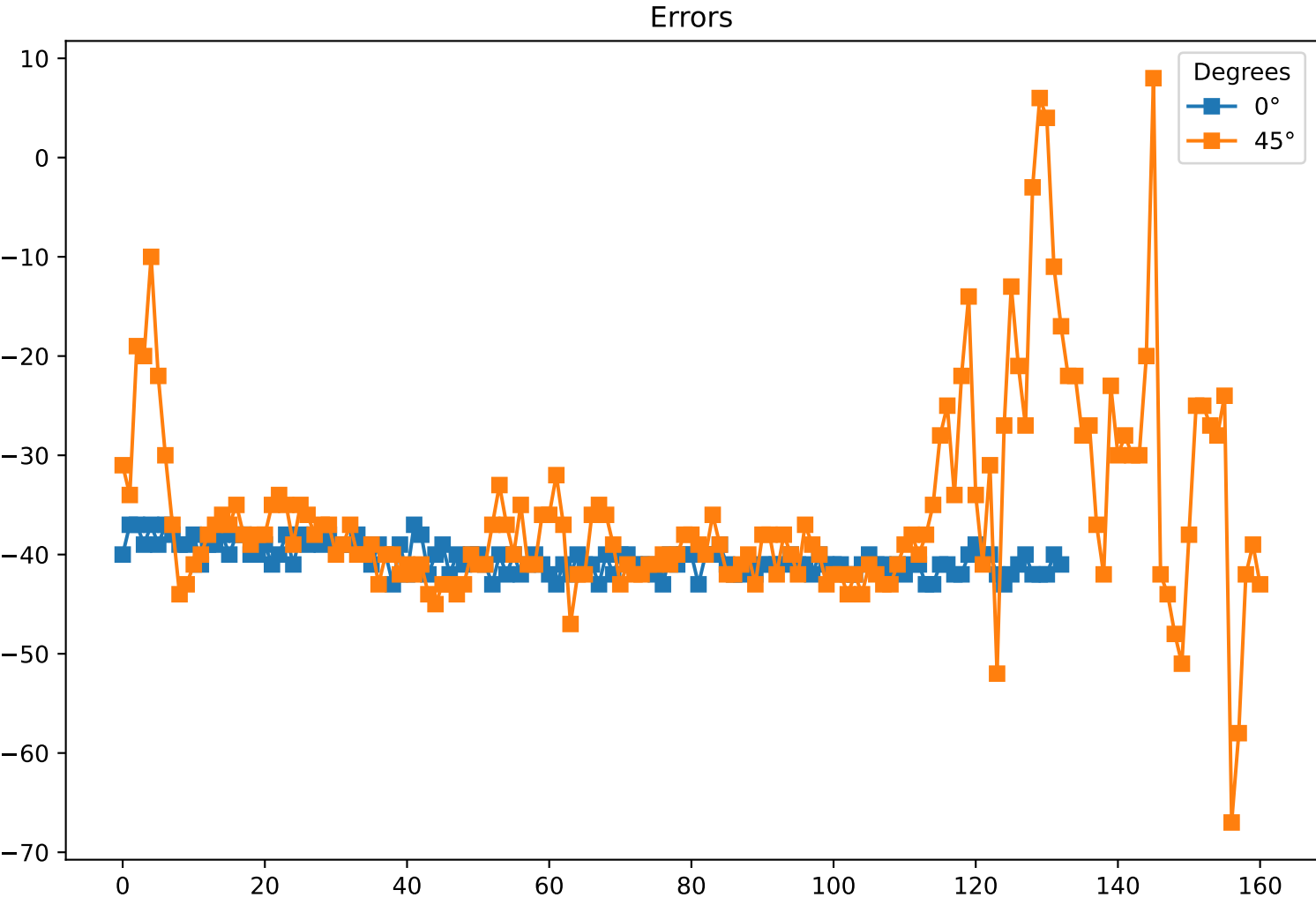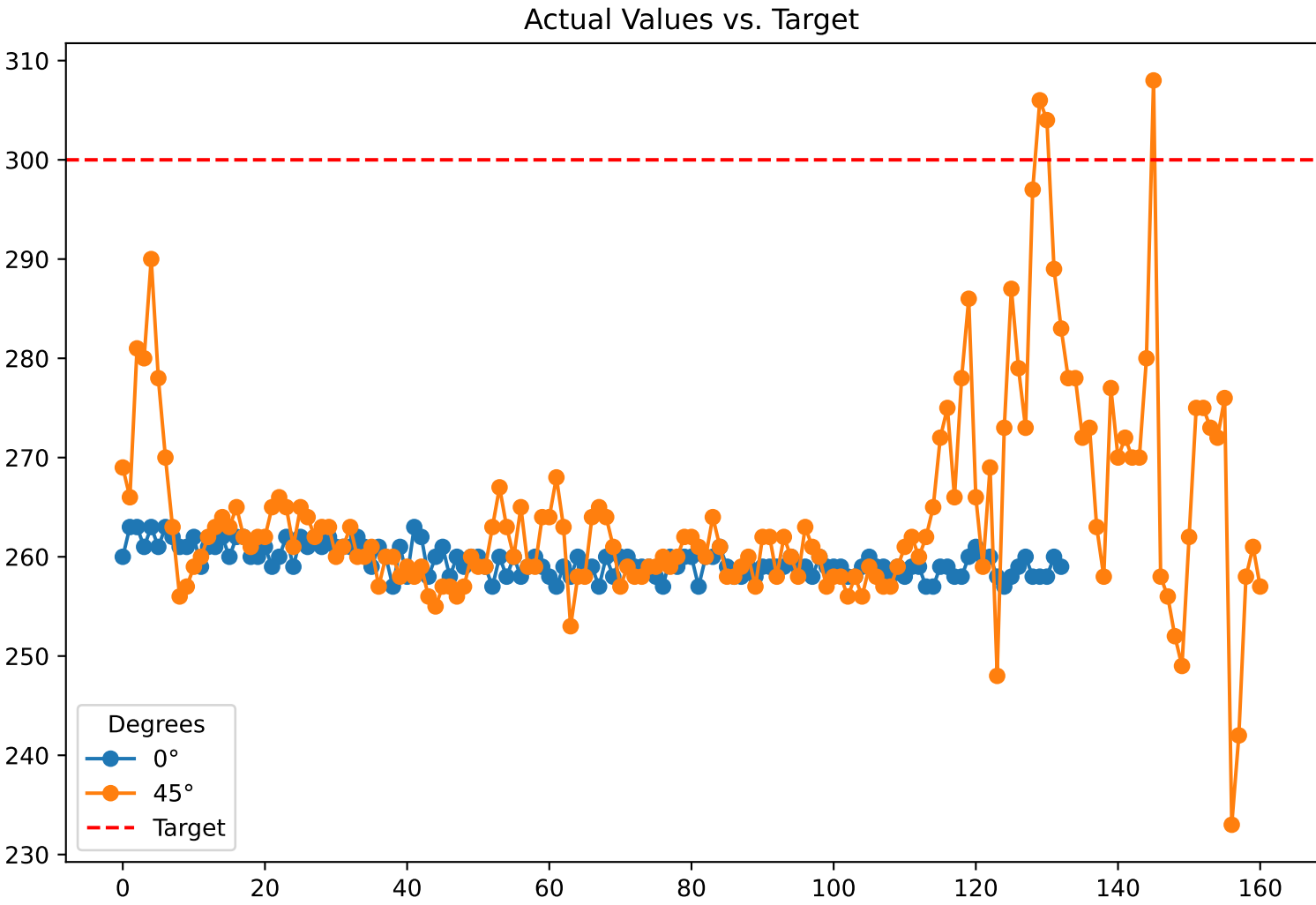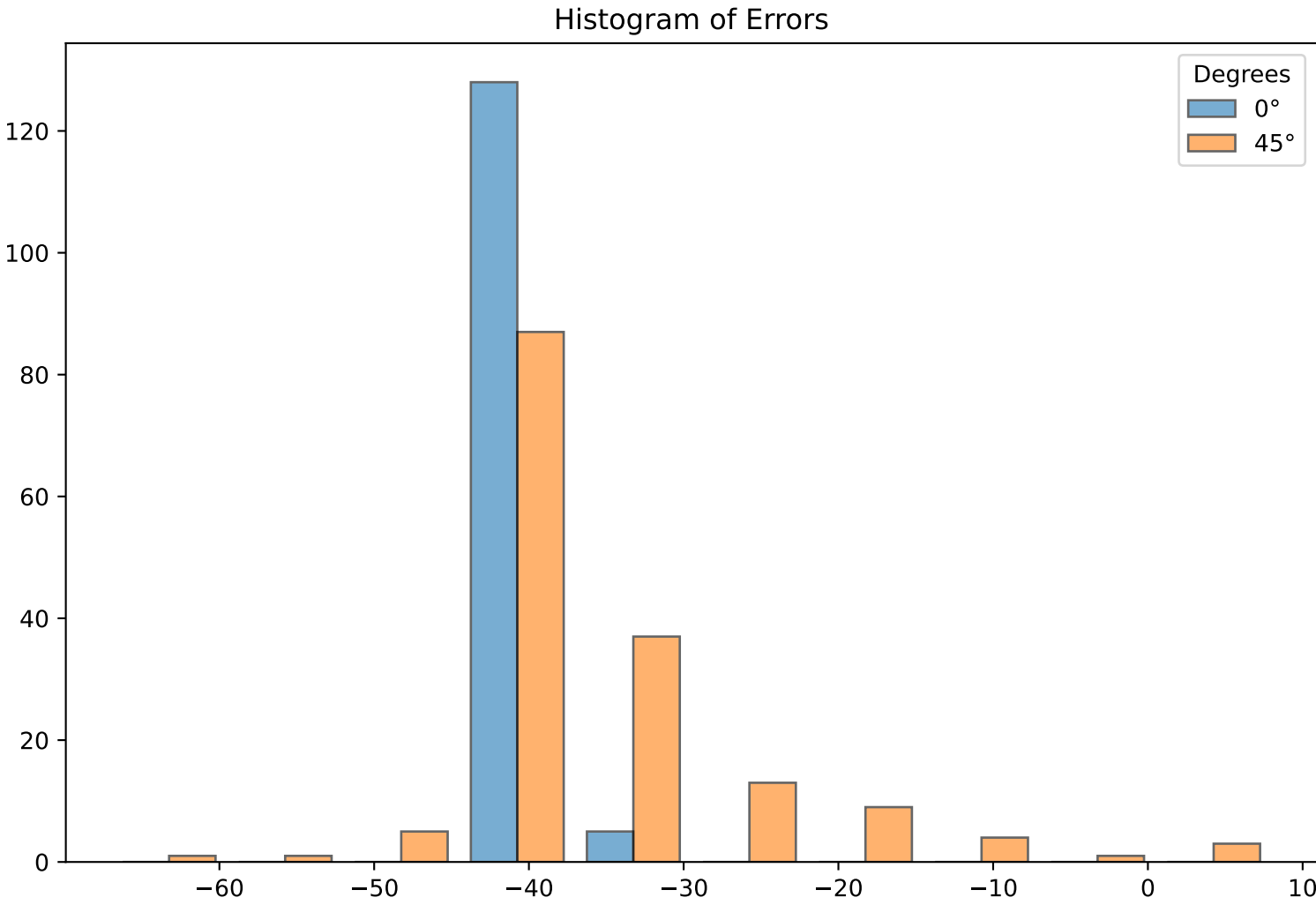
Analysis for Distance=300cm and Angle=135°

Metrics:

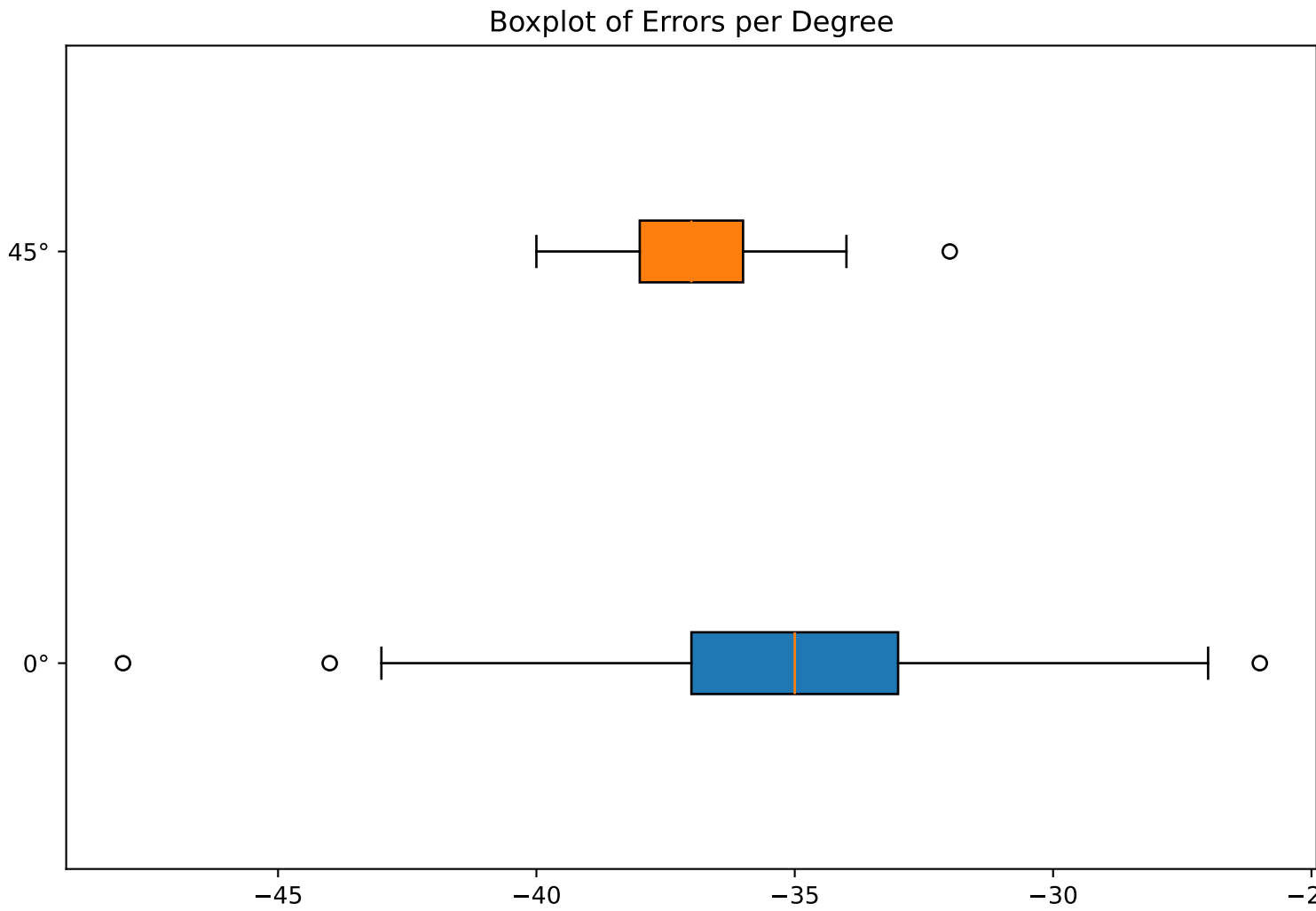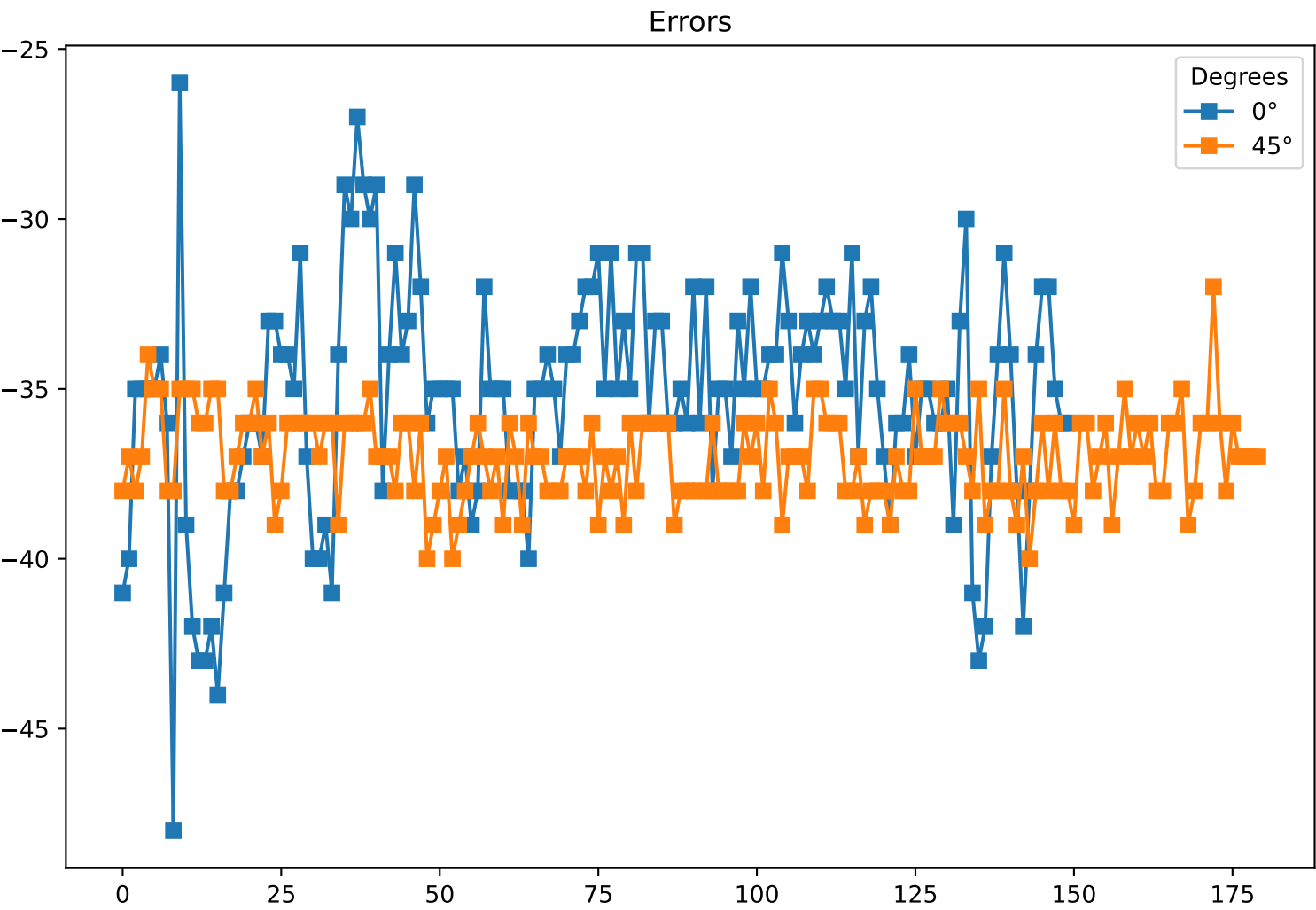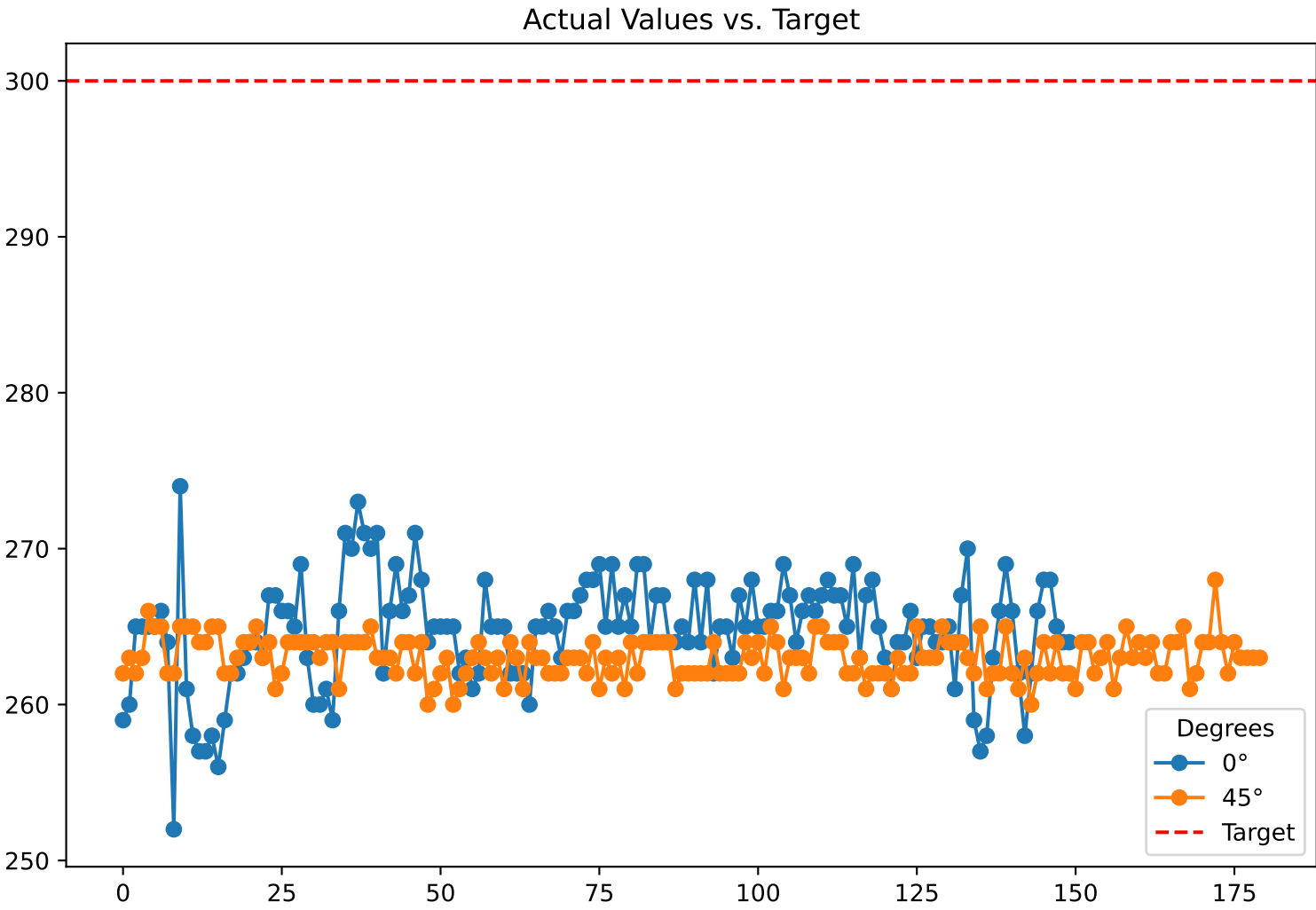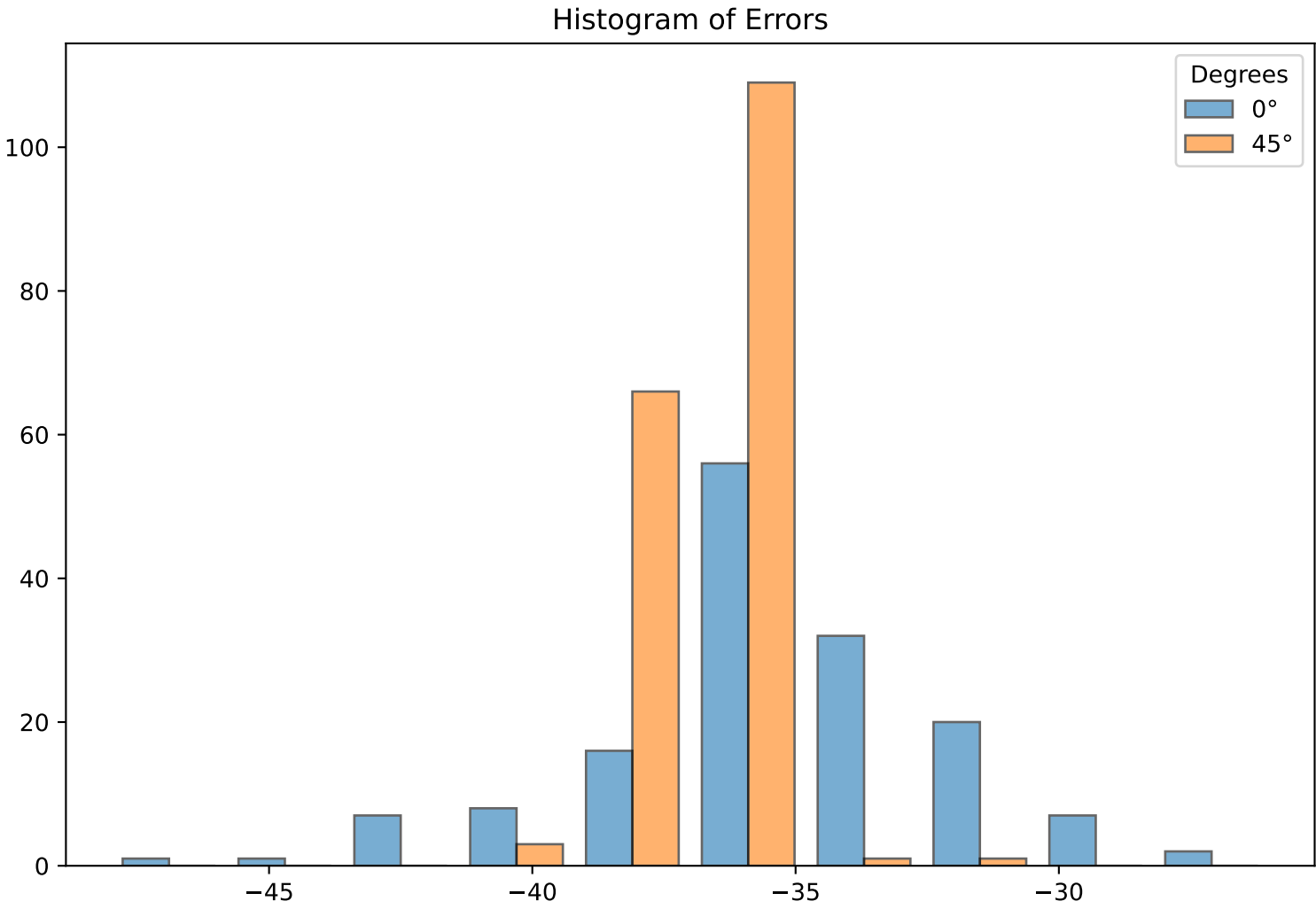| Metric	File 1	File 2
MAE	40.4211	36.0311
MSE	1636.09	1387.4
RMSE	40.4486	37.2478
MAPE	13.4737	12.0104
Max Error	43	67
Std Error	1.4929	10.2579

Analysis of Measurements for Goal: 300 (300cm_180degree)

Analysis for Distance=300cm and Angle=180°
Metrics:

Metric	File 1	File 2
MAE	35.2333	36.9778
MSE	1253.34	1369.03
RMSE	35.4025	37.0005
MAPE	11.7444	12.3259
Max Error	48	40
Std Error	3.4572	1.2951