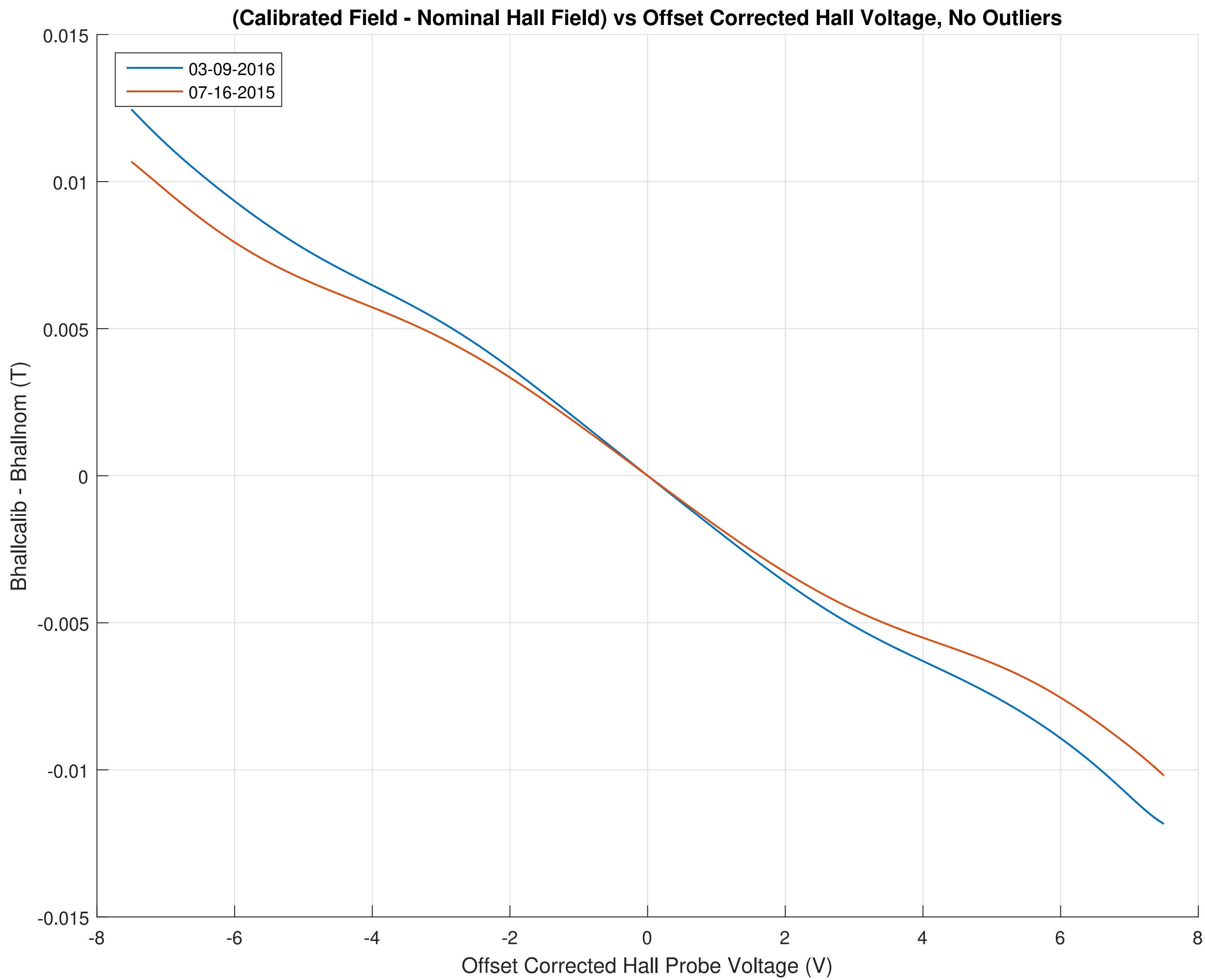
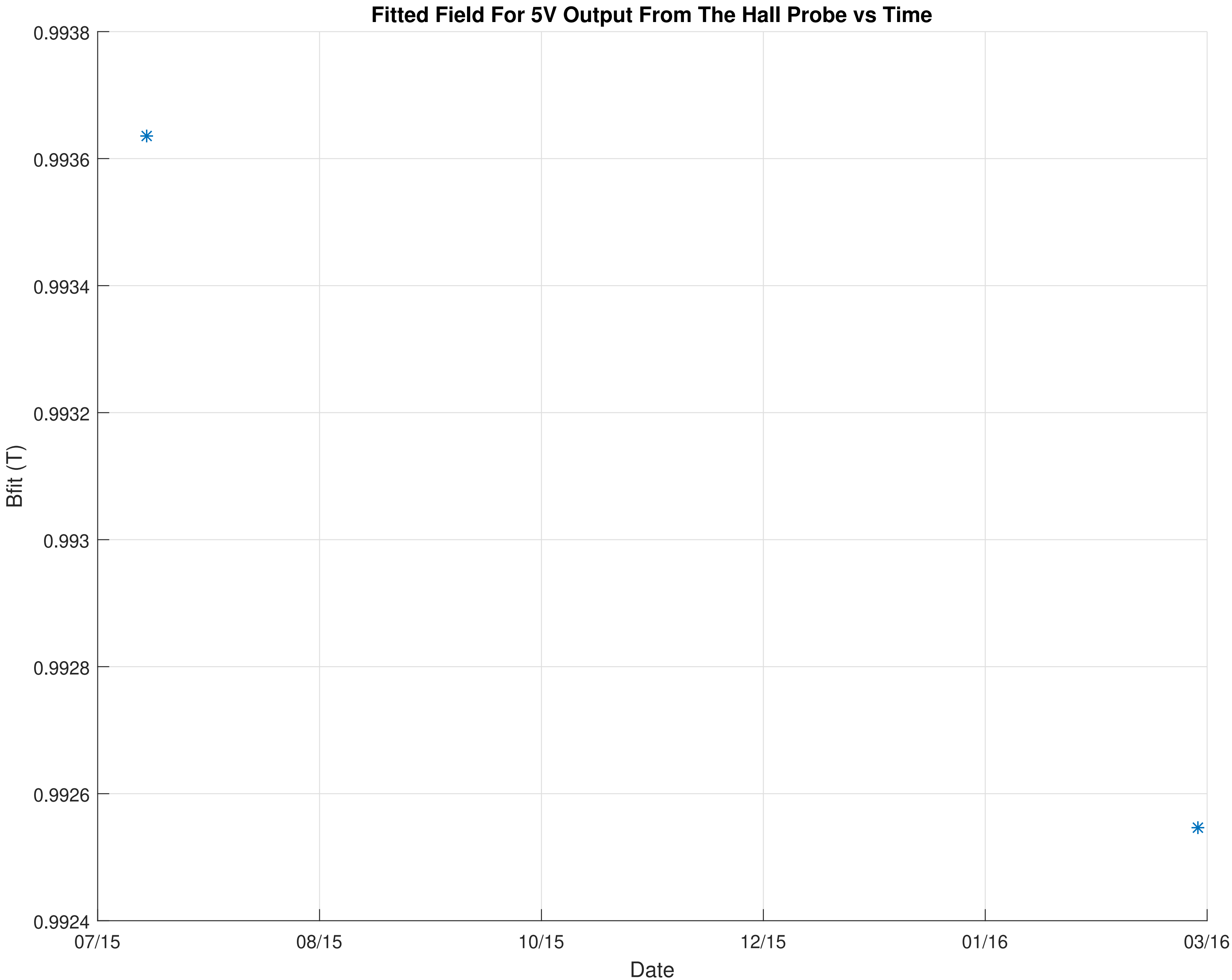
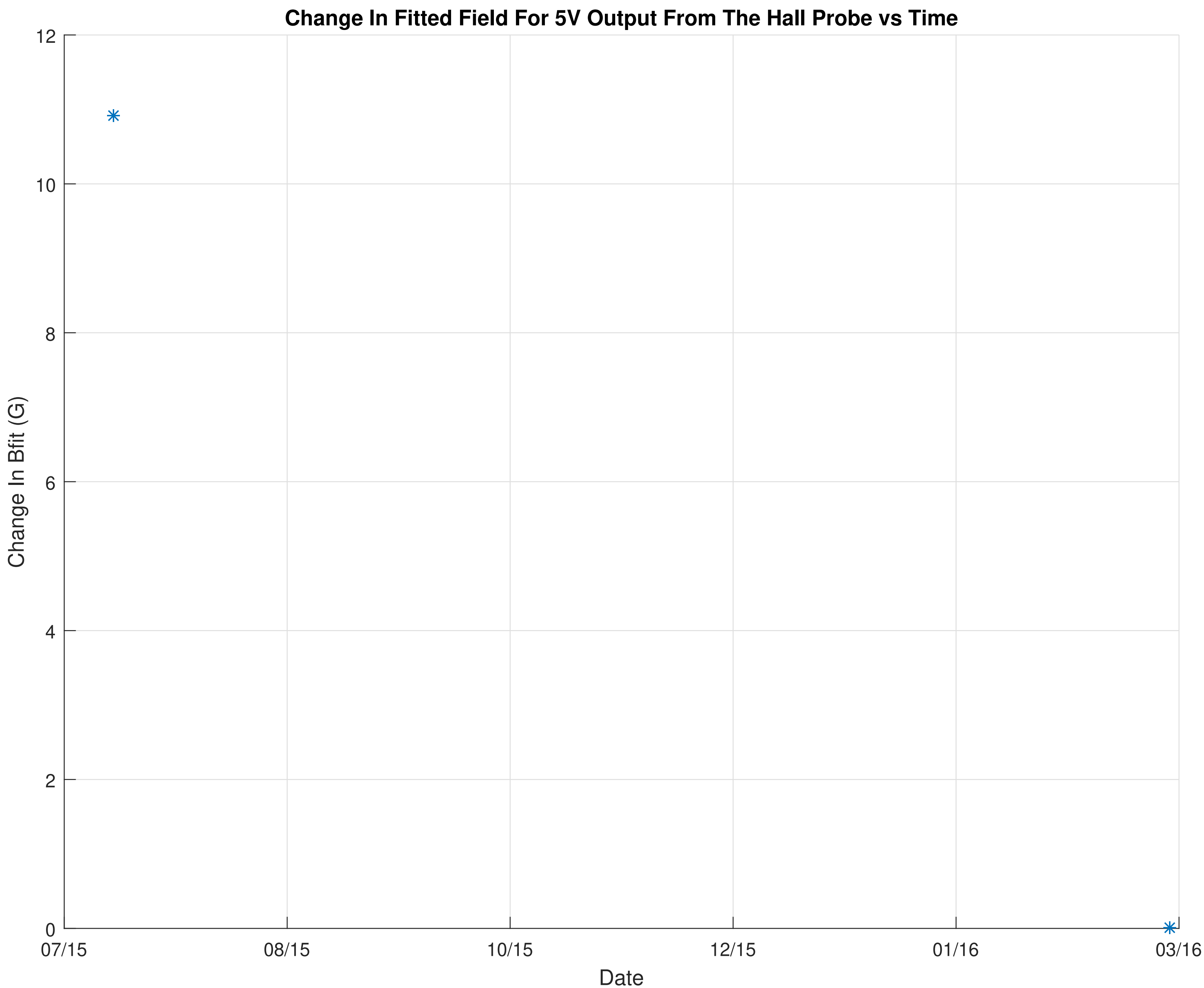
SLAC Magnetic Measurements
Hall Probe Calibration History

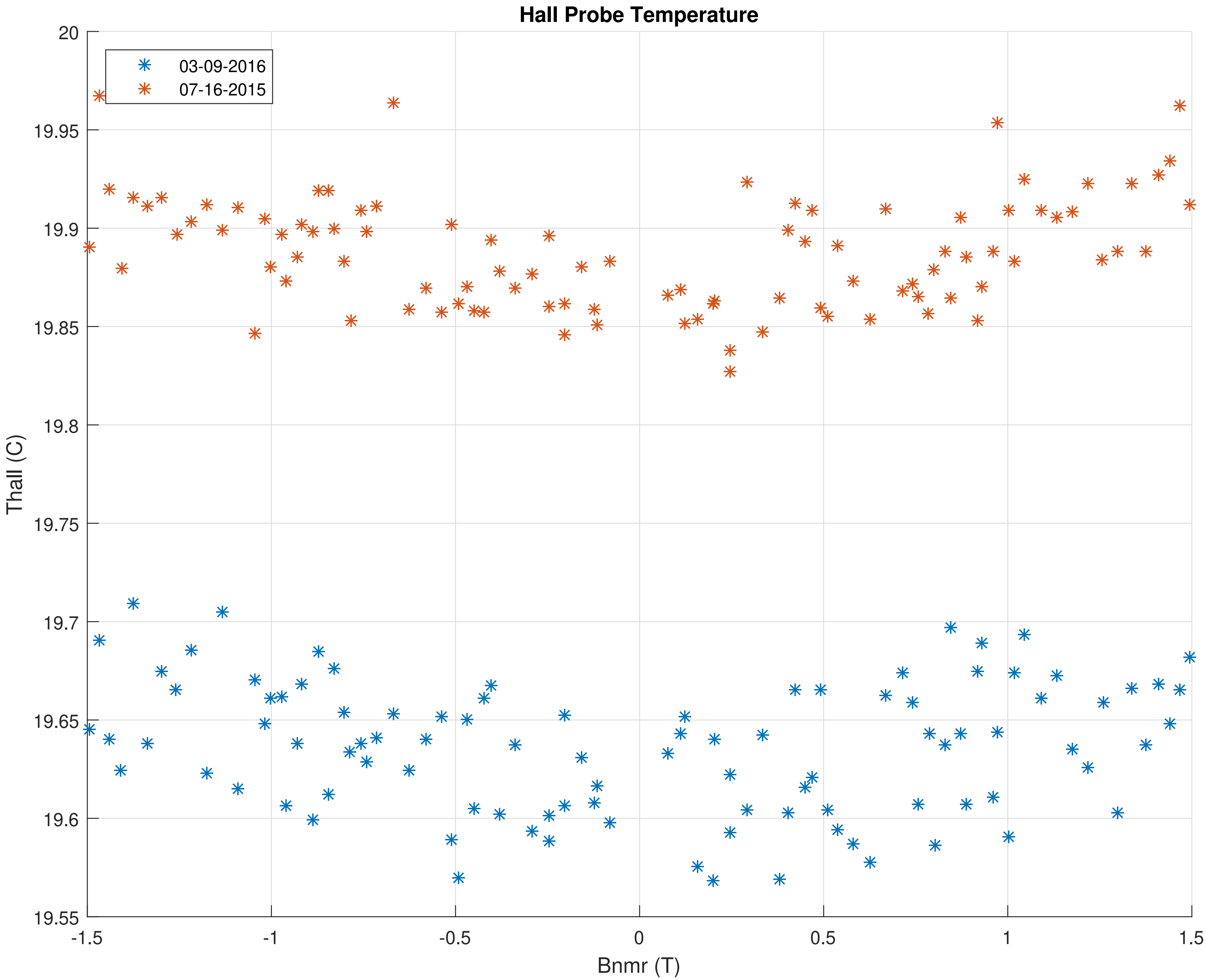
Hall Probe: SENIS 117-14

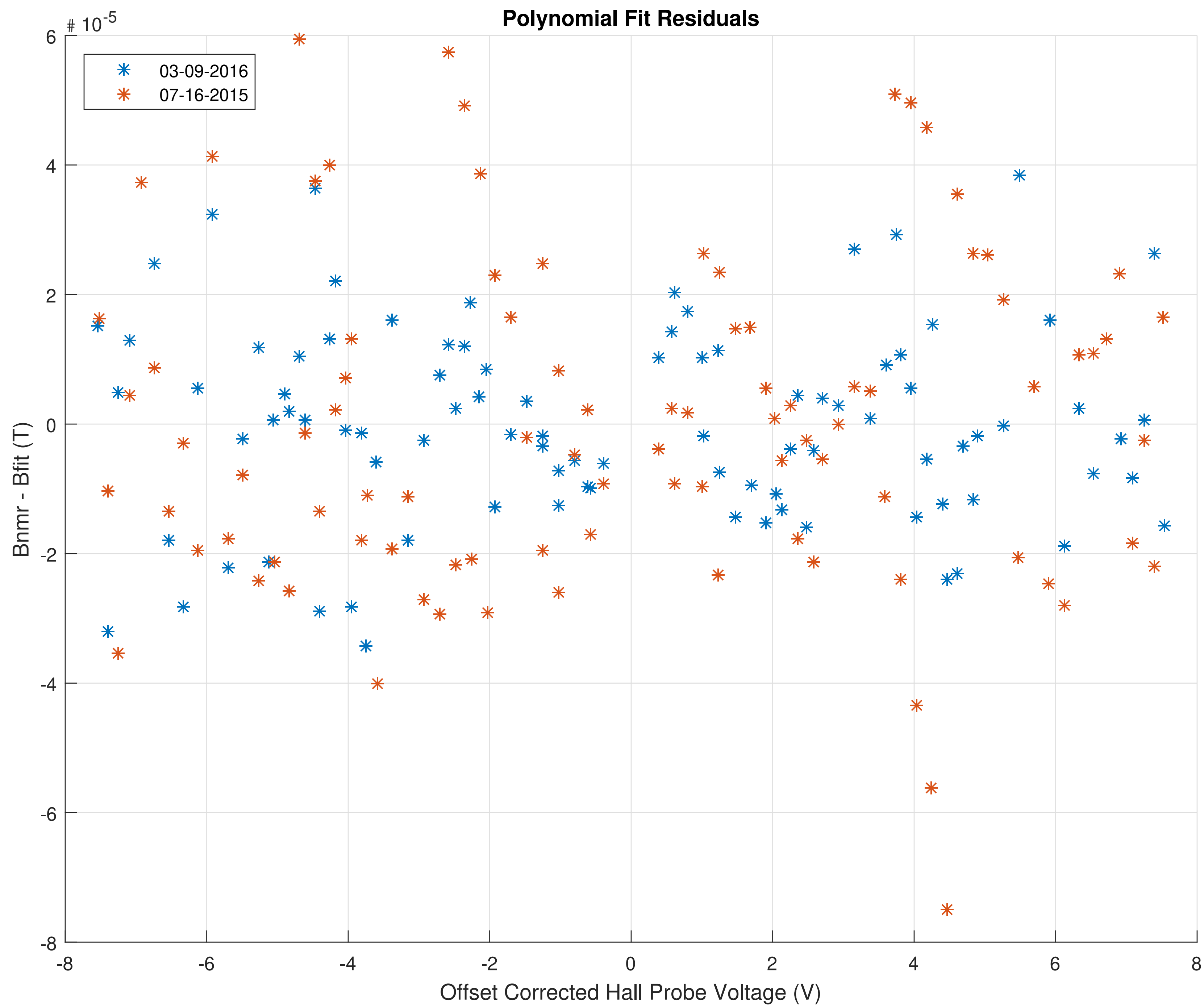


(Calibrated Field - Nominal Hall Field) vs Offset Corrected Hall Voltage, No Outliers
03-09-2016
07-16-2015
Bhallcalib - Bhallnom (T)
Offset Corrected Hall Probe Voltage (V)
0.015
0.01
0.005
0
-0.005
-0.01
-0.015
-8
-6
-4
-2
0
2
4
6
8

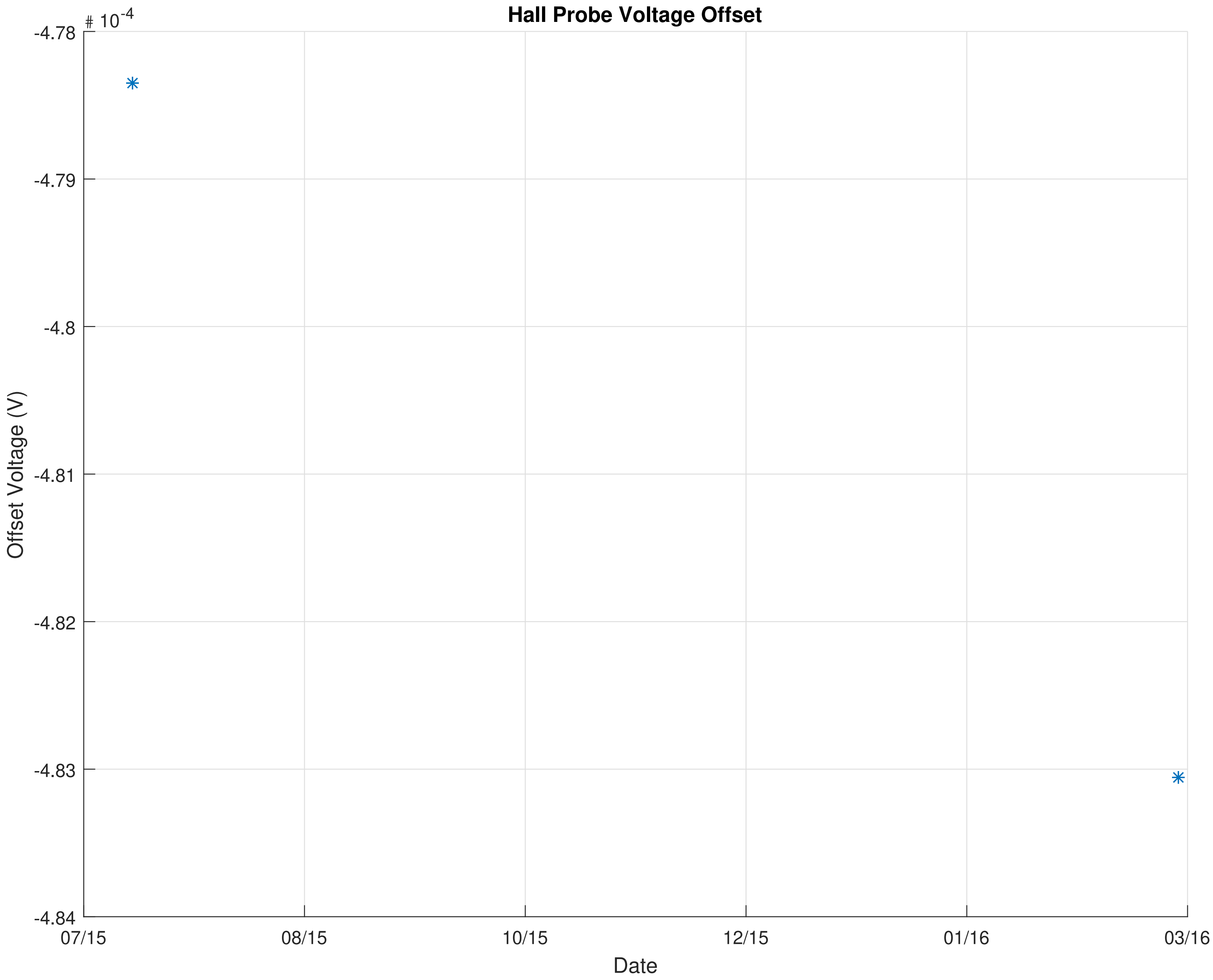

Fitted Field For 5V Output From The Hall Probe vs Time
0.9938
0.9936
0.9934
0.9932
0.993
0.9928
0.9926
0.9924
Bfit (T)
07/15
08/15
10/15
12/15
01/16
03/16
Date

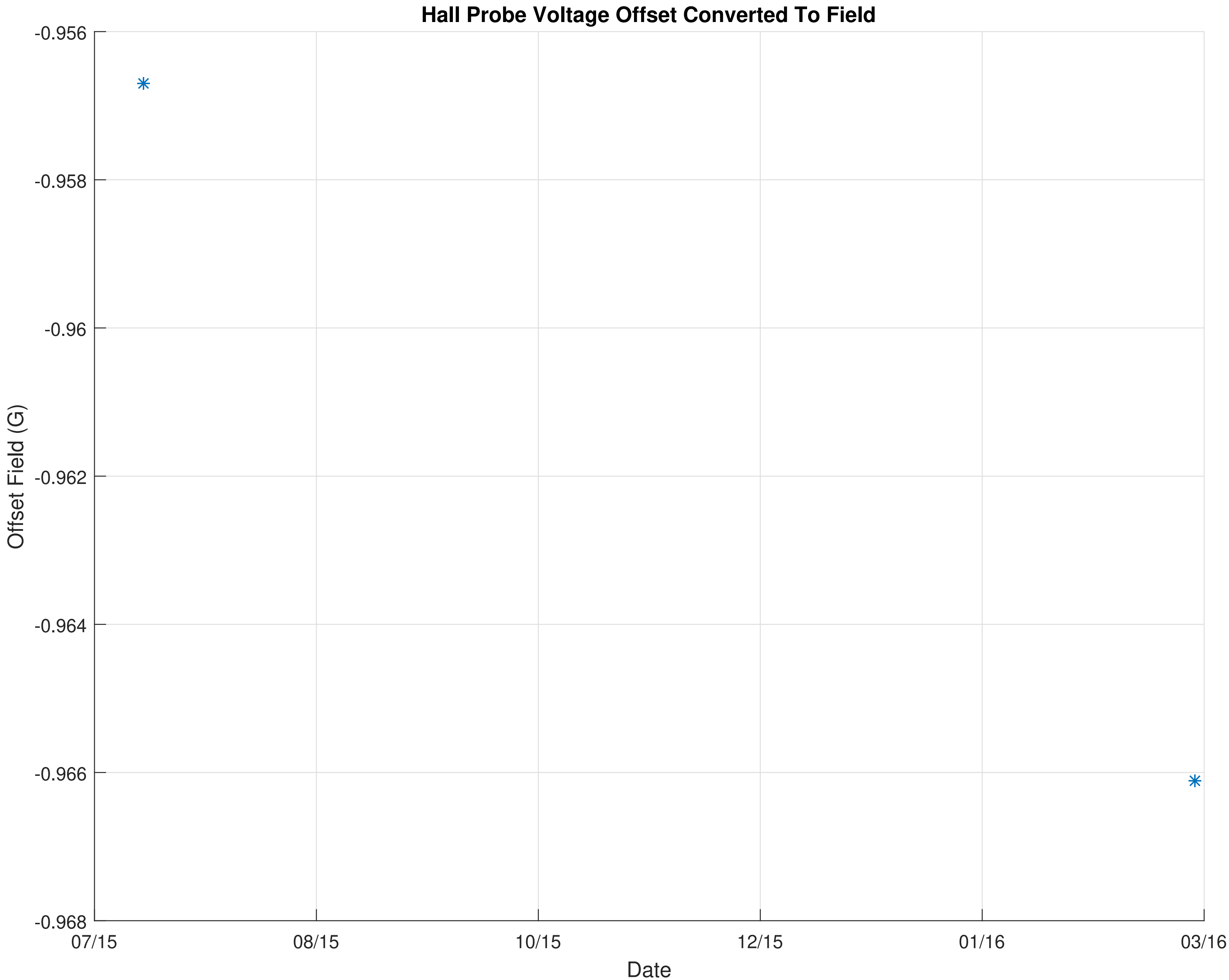

Change In Fitted Field For 5V Output From The Hall Probe vs Time
Change In Bfit (G)
0
2
4
6
8
10
12
07/15
08/15
10/15
12/15
01/16
03/16
Date


Hall Probe Temperature
03-09-2016
07-16-2015
Thall (C)
Bnmr (T)
20
19.95
19.9
19.85
19.8
19.75
19.7
19.65
19.6
19.55
-1.5
-1
-0.5
0
0.5
1
1.5



Polynomial Fit Residuals
# 10^-5
03-09-2016
07-16-2015
Bnmr - Bfit (T)
Offset Corrected Hall Probe Voltage (V)
6
4
2
0
-2
-4
-6
-8
-8
-6
-4
-2
0
2
4
6
8


Hall Probe Voltage Offset
# 10^-4
-4.78
-4.79
-4.8
-4.81
-4.82
-4.83
-4.84
Offset Voltage (V)
07/15
08/15
10/15
12/15
01/16
03/16
Date



Hall Probe Voltage Offset Converted To Field
-0.956
-0.958
-0.96
-0.962
-0.964
-0.966
-0.968
Offset Field (G)
07/15
08/15
10/15
12/15
01/16
03/16
Date