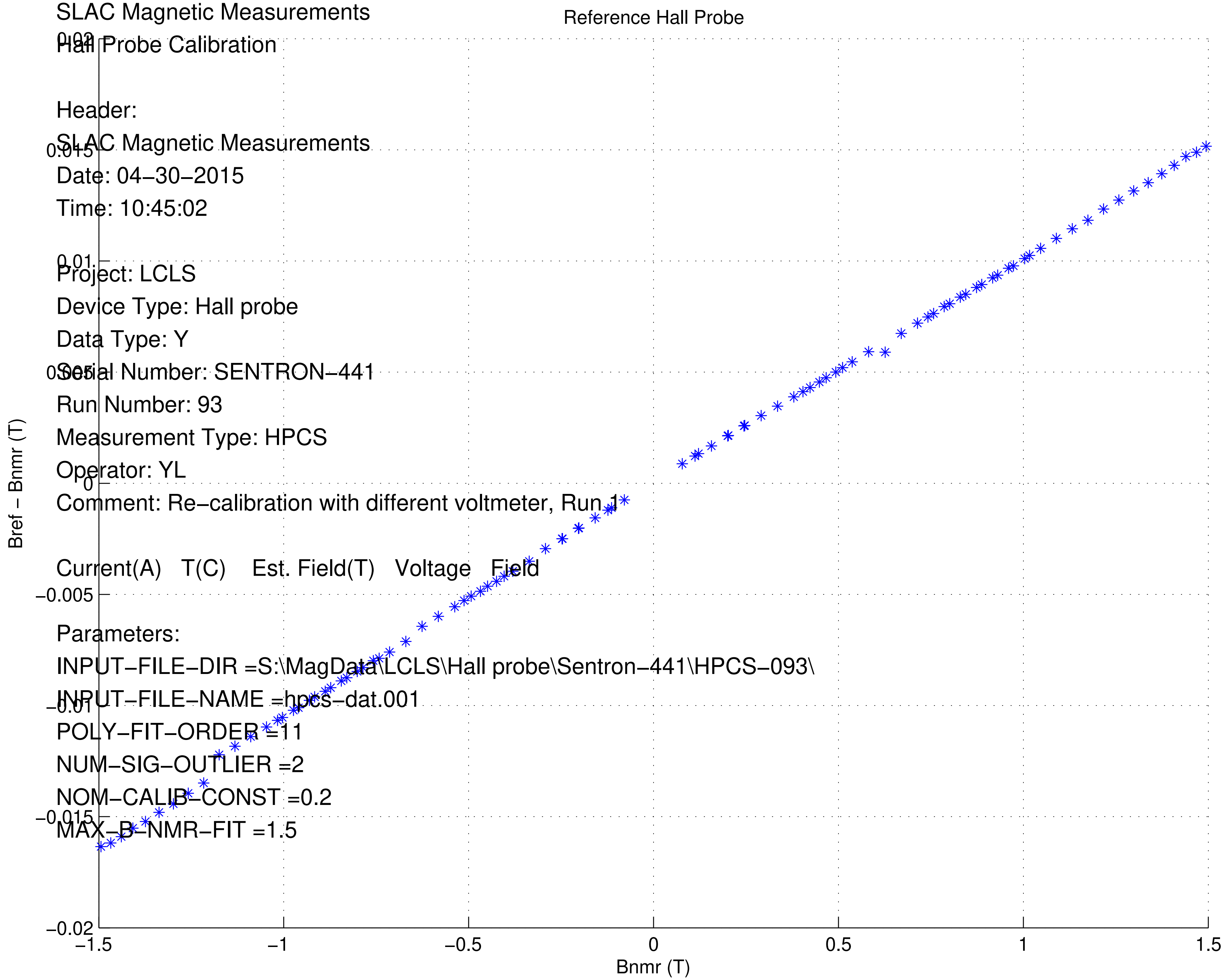
SLAC Magnetic Measurements
Hall Probe Calibration

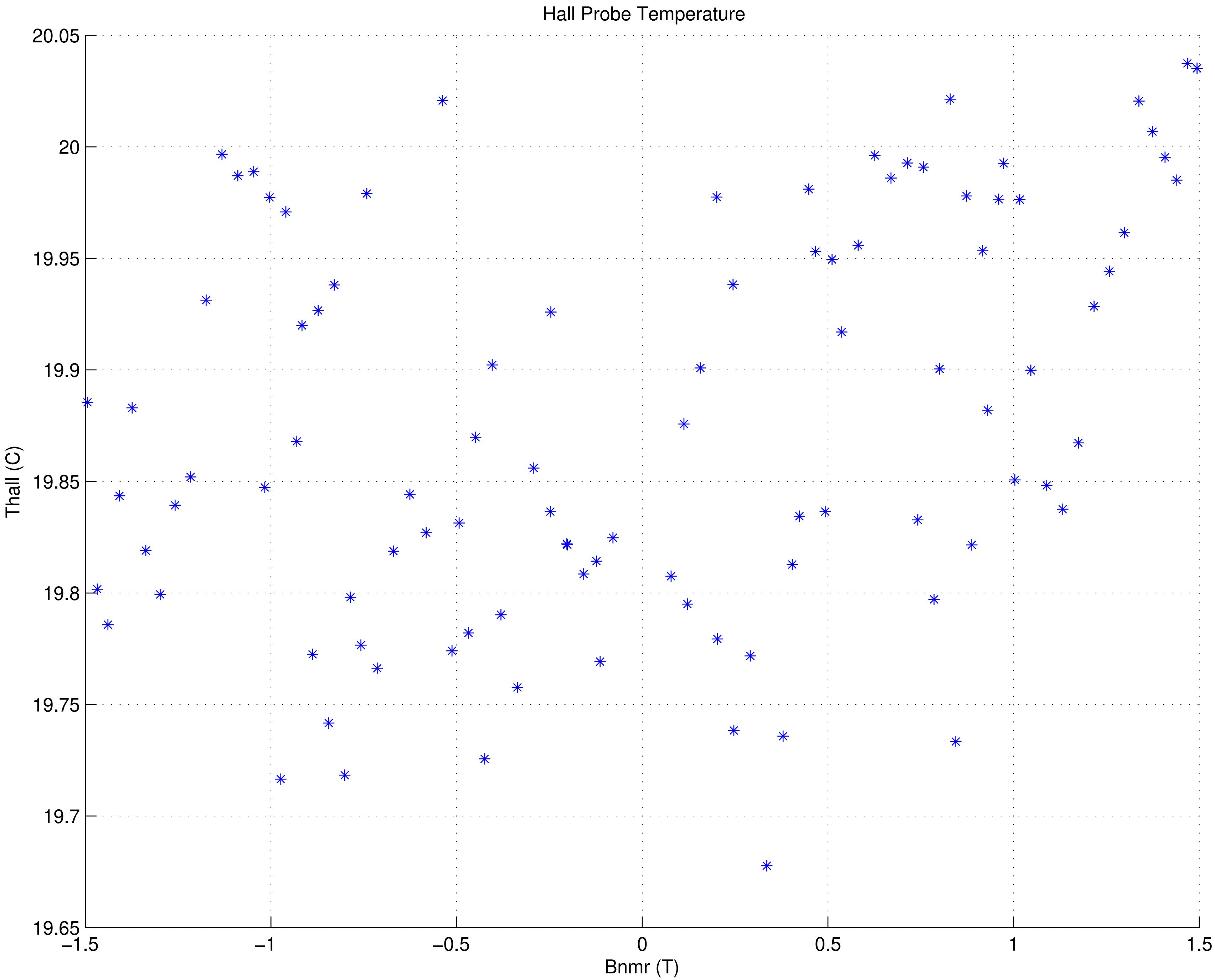
Header:
SLAC Magnetic Measurements
Date: 04−30−2015
Time: 10:45:02

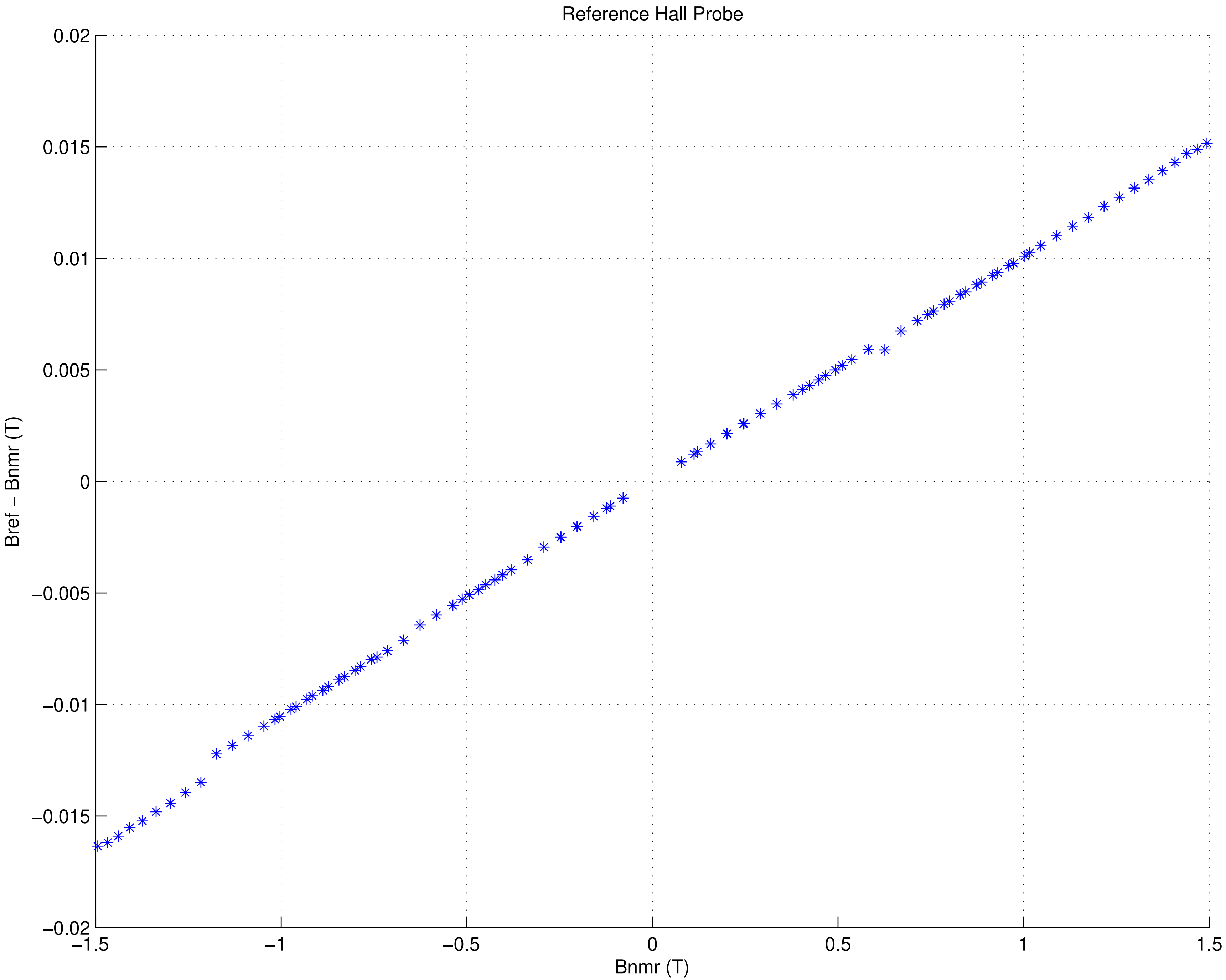
Project: LCLS
Device Type: Hall probe
Data Type: Y
Serial Number: SENTRON−441
Run Number: 93
Measurement Type: HPCS
Operator: YL
Comment: Re−calibration with different voltmeter, Run 1

Current(A)   T(C)   Est. Field(T)   Voltage   Field

Parameters:
INPUT−FILE−DIR =S:\MagData\LCLS\Hall probe\Sentron−441\HPCS−093\
INPUT−FILE−NAME =hpcs−dat.001
POLY−FIT−ORDER =11
NUM−SIG−OUTLIER =2
NOM−CALIB−CONST =0.2
MAX−B−NMR−FIT =1.5




Hall Probe Temperature
20.05
20
19.95
19.9
19.85
19.8
19.75
19.7
19.65
Thall (C)
−1.5
−1
−0.5
0
0.5
1
1.5
Bnmr (T)


Reference Hall Probe
0.02
0.015
0.01
0.005
0
–0.005
–0.01
–0.015
–0.02
Bref – Bnmr (T)
–1.5
–1
–0.5
0
0.5
1
1.5
Bnmr (T)