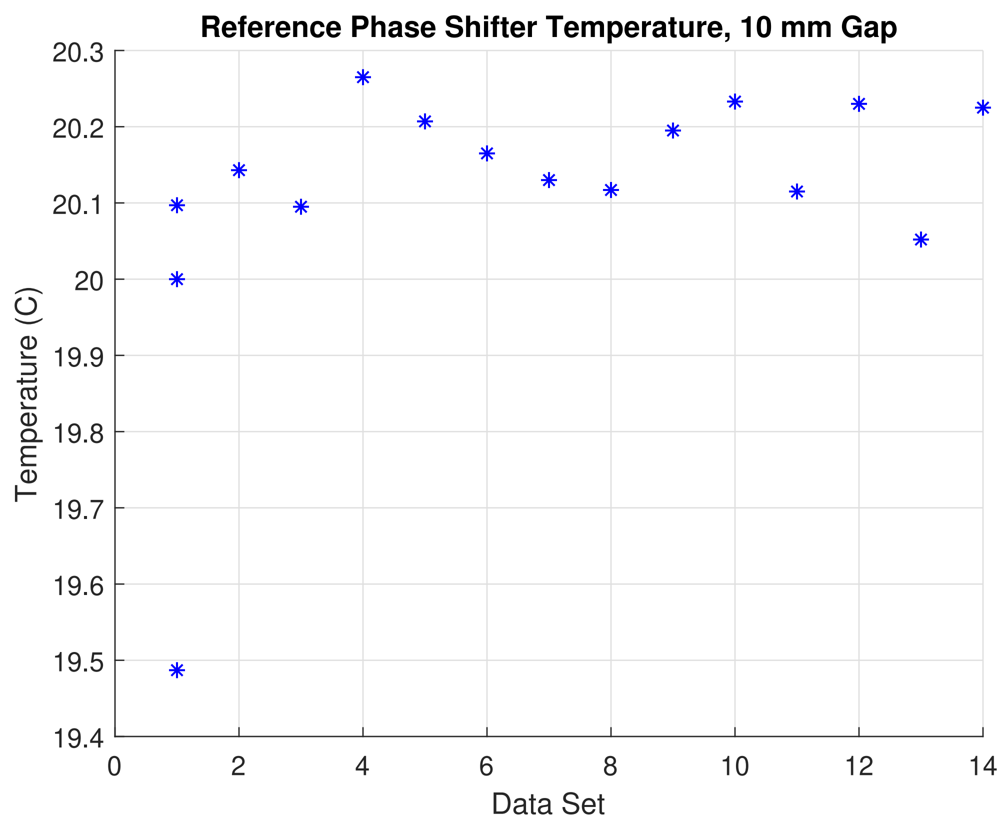
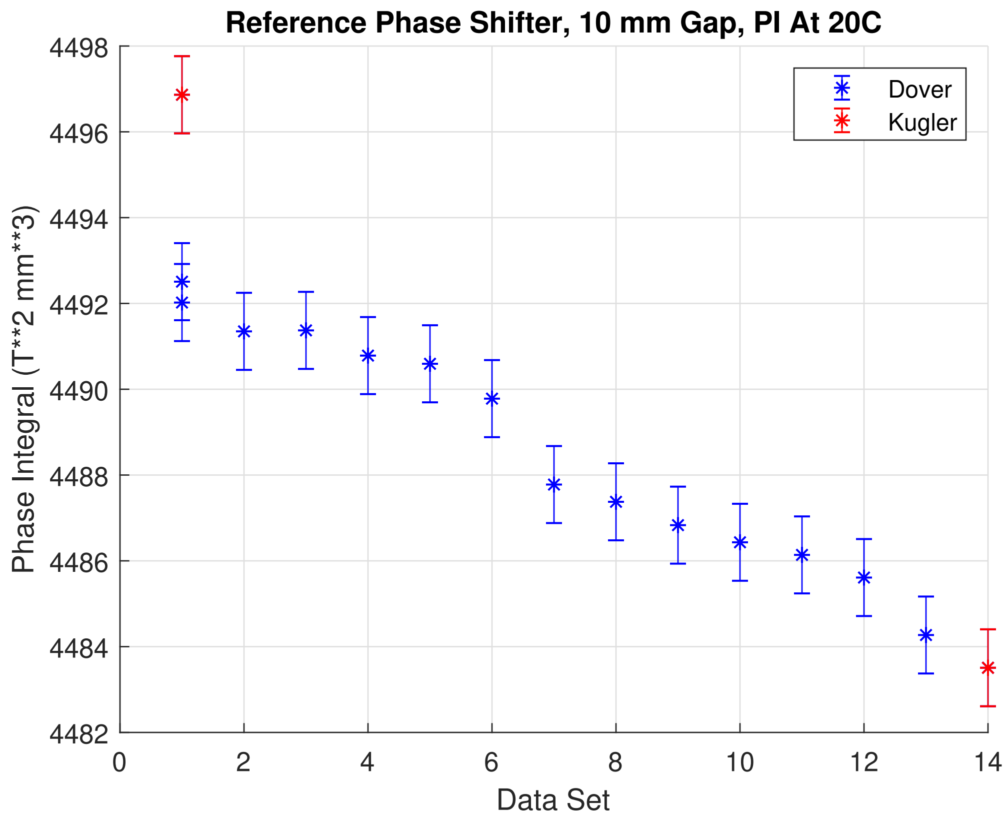
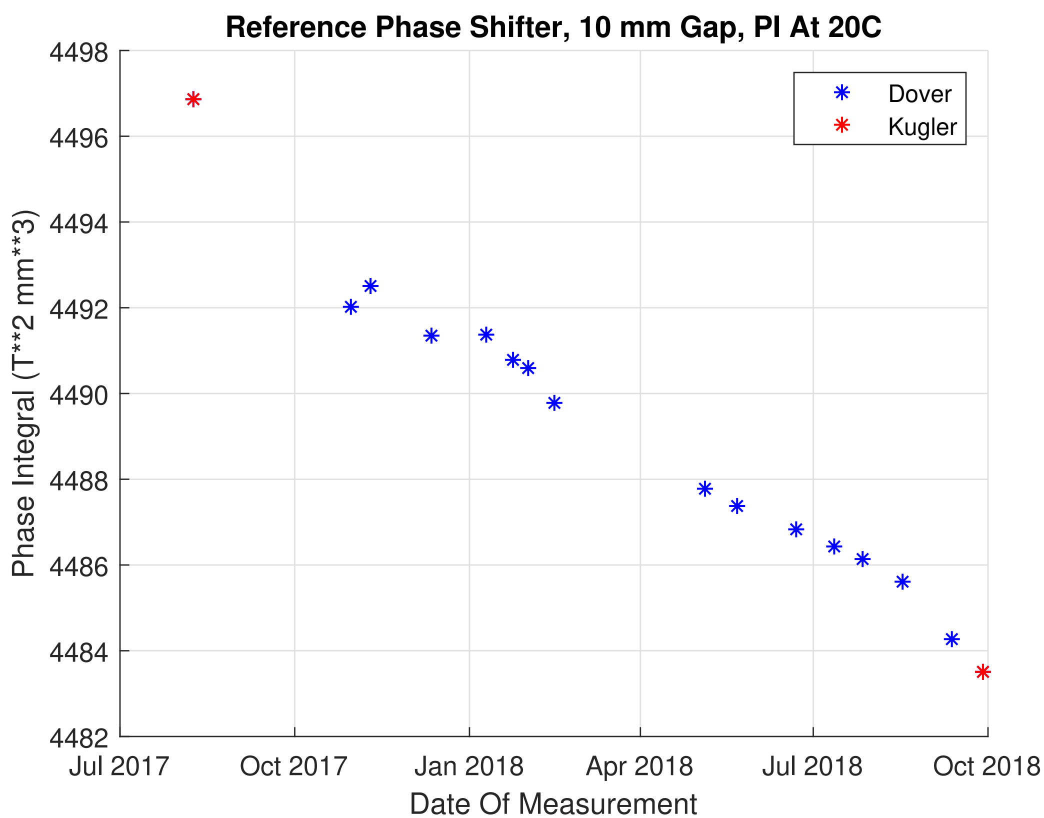
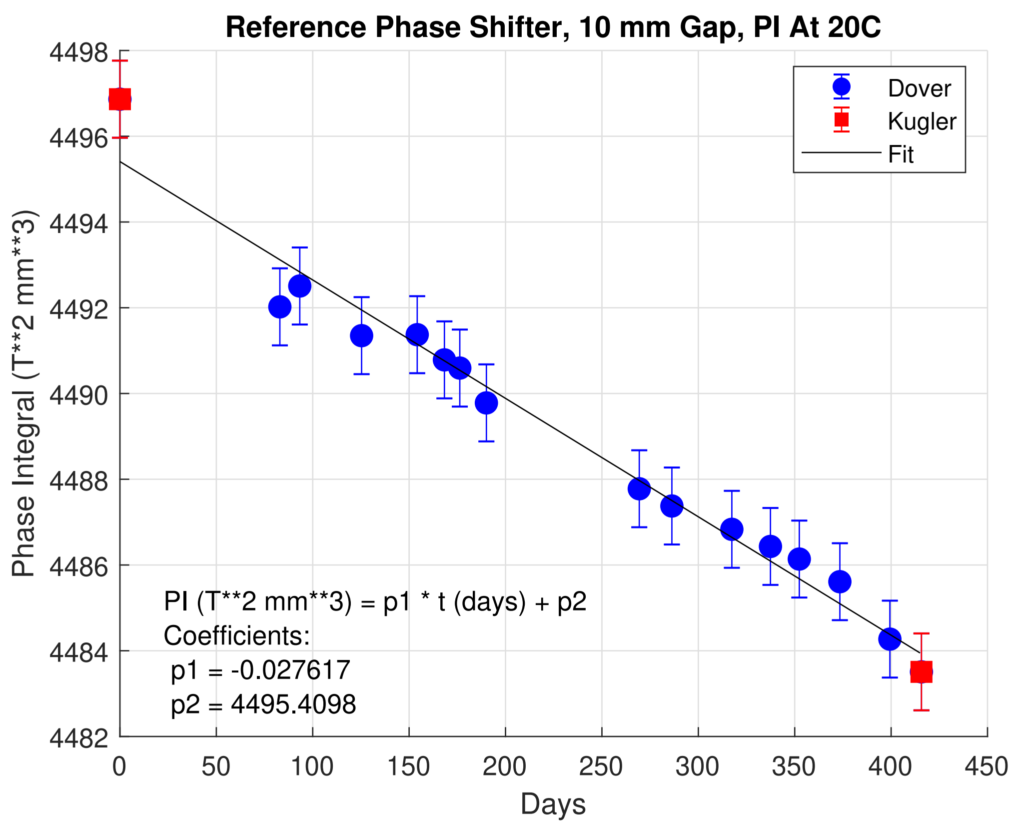
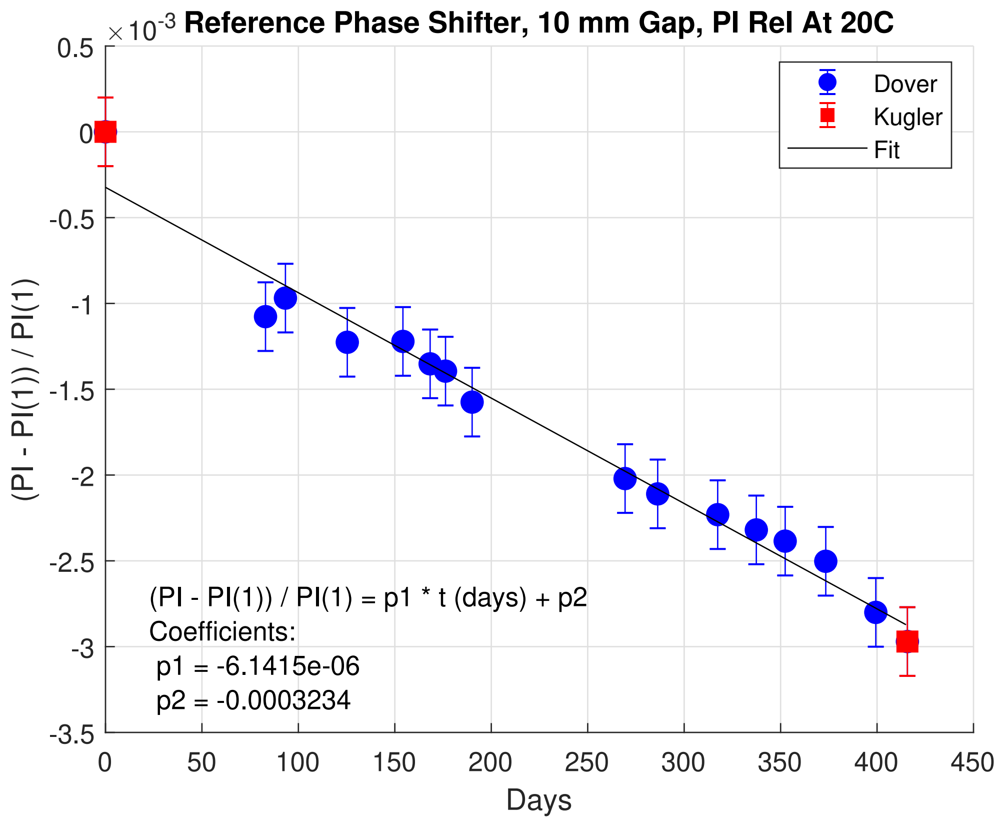
SLAC Magnetic Measurements#
Date: 10-11-2018#
Time: 10:27:02#


Reference Phase Shifter Temperature, 10 mm Gap
Temperature (C)
Data Set
20.3
20.2
20.1
20
19.9
19.8
19.7
19.6
19.5
19.4
0
2
4
6
8
10
12
14


Reference Phase Shifter, 10 mm Gap, PI At 20C
Phase Integral (T**2 mm**3)
Data Set
Dover
Kugler
4482
4484
4486
4488
4490
4492
4494
4496
4498
0
2
4
6
8
10
12
14


Reference Phase Shifter, 10 mm Gap, PI At 20C
Phase Integral (T**2 mm**3)
4498
4496
4494
4492
4490
4488
4486
4484
4482
Jul 2017
Oct 2017
Jan 2018
Apr 2018
Jul 2018
Oct 2018
Date Of Measurement
Dover
Kugler


Reference Phase Shifter, 10 mm Gap, PI At 20C
Phase Integral (T**2 mm**3)
Days
Dover
Kugler
Fit
PI (T**2 mm**3) = p1 * t (days) + p2
Coefficients:
p1 = -0.027617
p2 = 4495.4098
4498
4496
4494
4492
4490
4488
4486
4484
4482
0
50
100
150
200
250
300
350
400
450



Reference Phase Shifter, 10 mm Gap, PI Rel At 20C
×10^-3
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
-3.5
(PI - PI(1)) / PI(1)
0
50
100
150
200
250
300
350
400
450
Days
Dover
Kugler
Fit
(PI - PI(1)) / PI(1) = p1 * t (days) + p2
Coefficients:
p1 = -6.1415e-06
p2 = -0.0003234