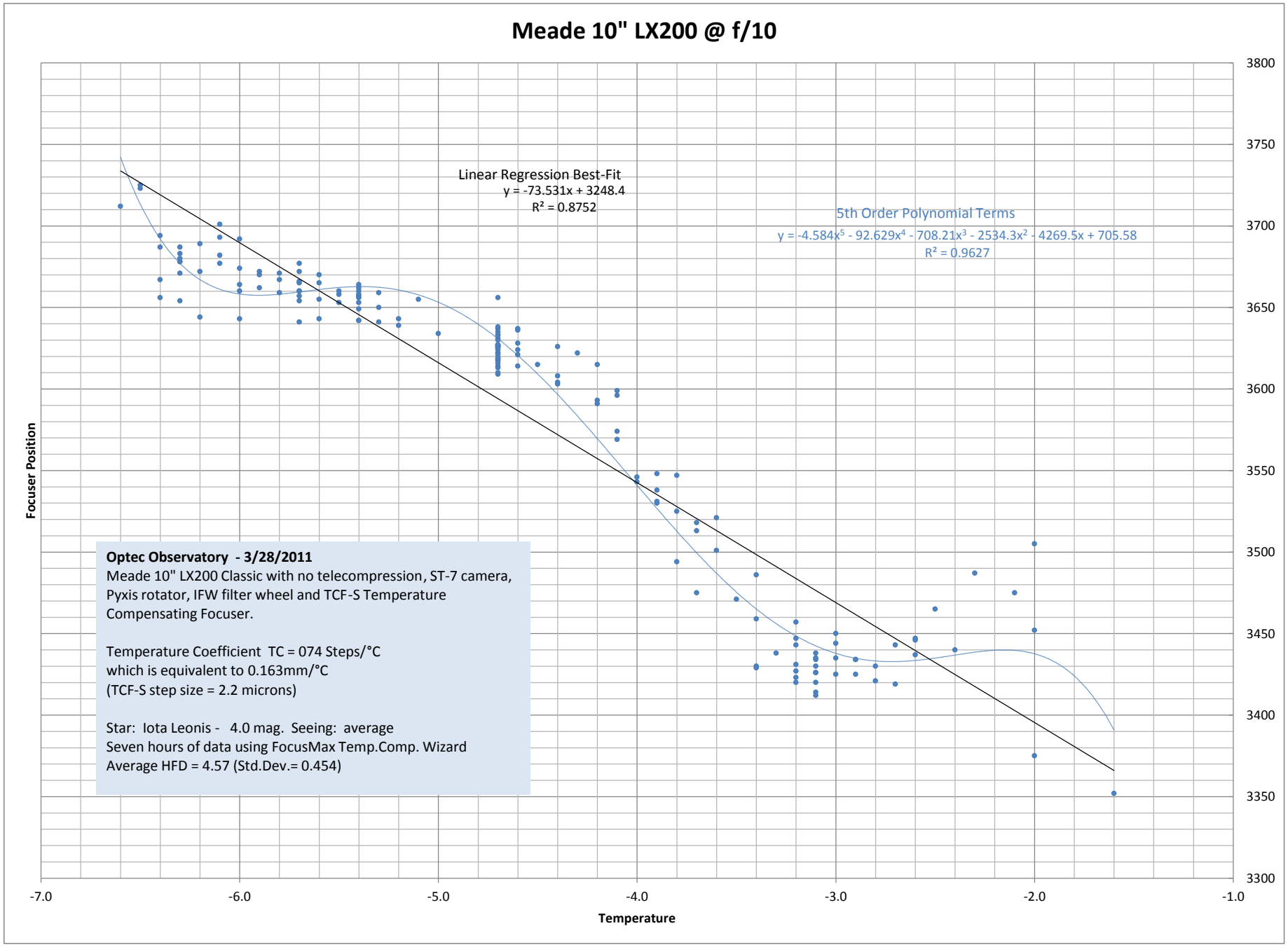
Meade 10" LX200 @ f/10
Linear Regression Best-Fit
y = -73.531x + 3248.4
R² = 0.8752
5th Order Polynomial Terms
y = -4.584x⁵ - 92.629x⁴ - 708.21x³ - 2534.3x² - 4269.5x + 705.58
R² = 0.9627
Optec Observatory - 3/28/2011
Meade 10" LX200 Classic with no telecompression, ST-7 camera, Pyxis rotator, IFW filter wheel and TCF-S Temperature Compensating Focuser.
Temperature Coefficient TC = 074 Steps/°C
which is equivalent to 0.163mm/°C
(TCF-S step size = 2.2 microns)
Star: Iota Leonis - 4.0 mag. Seeing: average
Seven hours of data using FocusMax Temp.Comp. Wizard
Average HFD = 4.57 (Std.Dev.= 0.454)
Focuser Position
3800
3750
3700
3650
3600
3550
3500
3450
3400
3350
3300
-7.0
-6.0
-5.0
-4.0
-3.0
-2.0
-1.0
Temperature