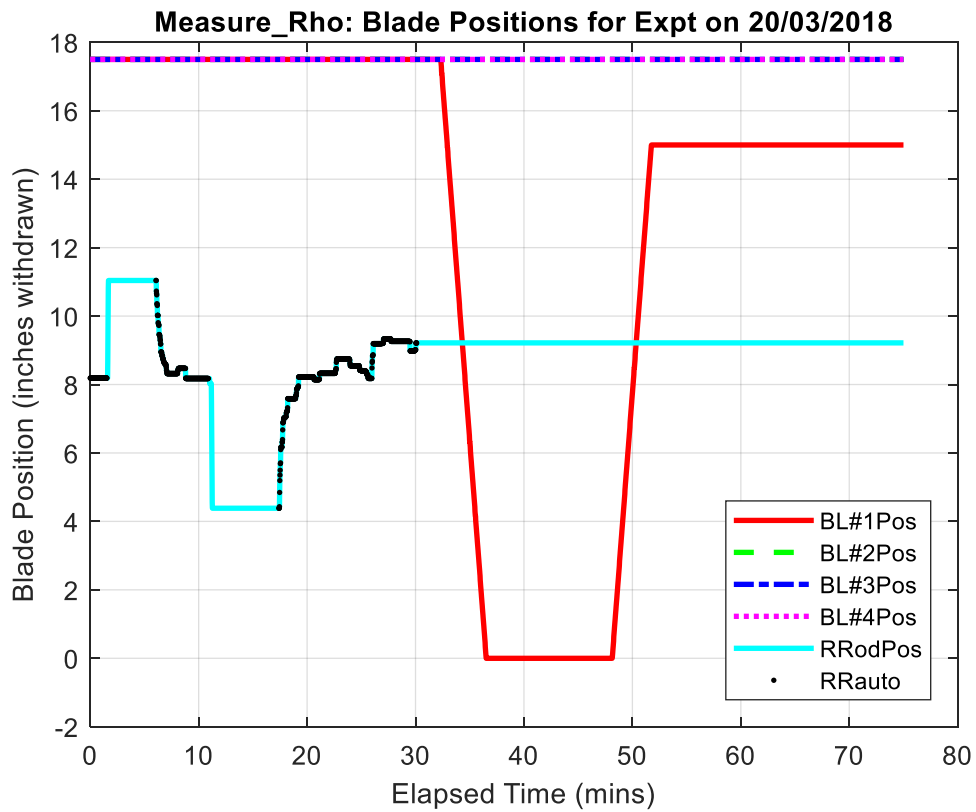
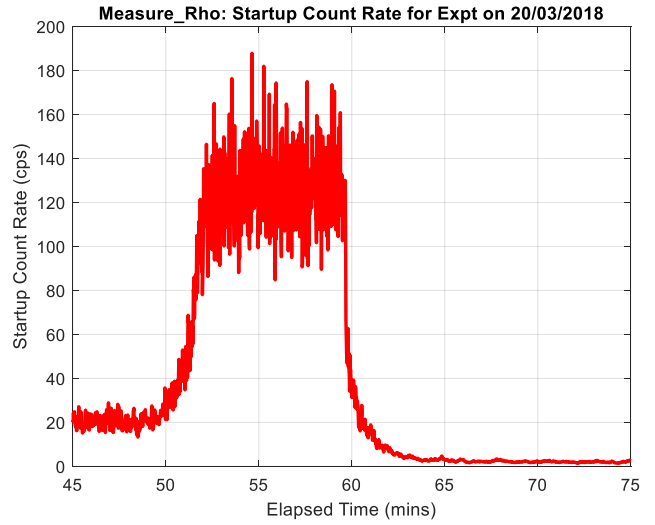
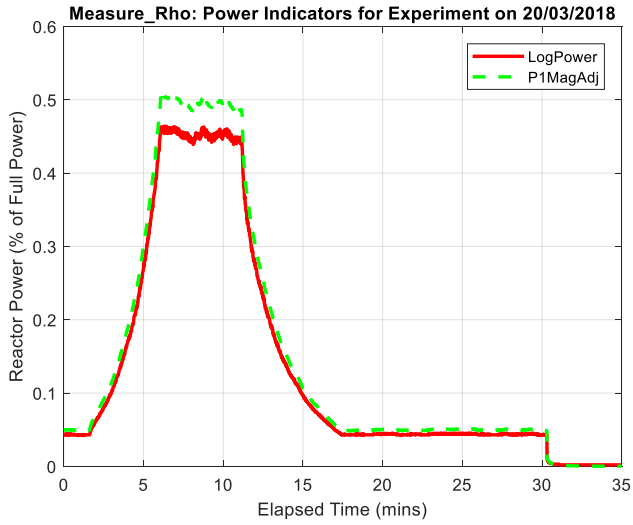
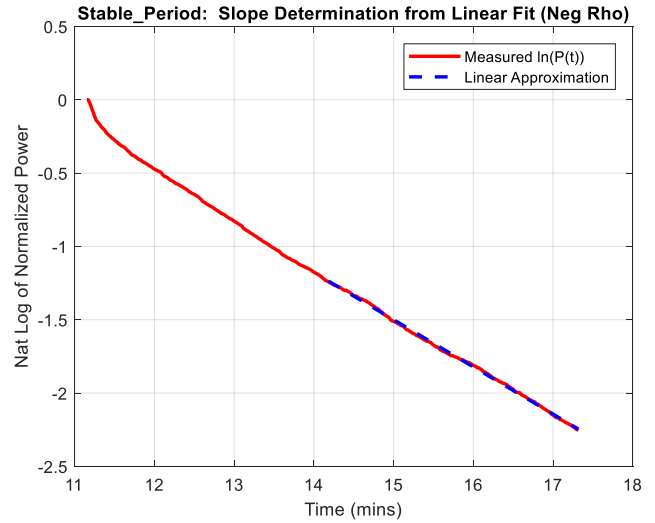
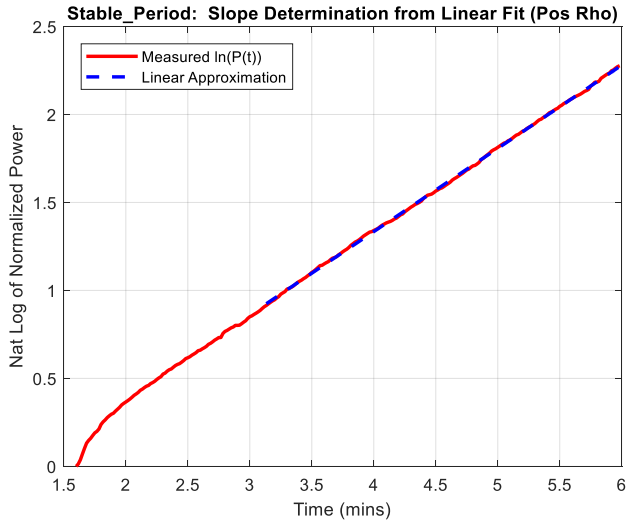


Results for the Reactivity Measurements Expt on March 20, 2018



Results for the Reactivity Measurements Expt on March 20, 2018



Phase I Positive Reactivity Change:

RegBlade start position (inches): 8.19
 RegBlade end position (inches): 11.04
 Rho change from RegBlade curve (%Dk/k): 0.062

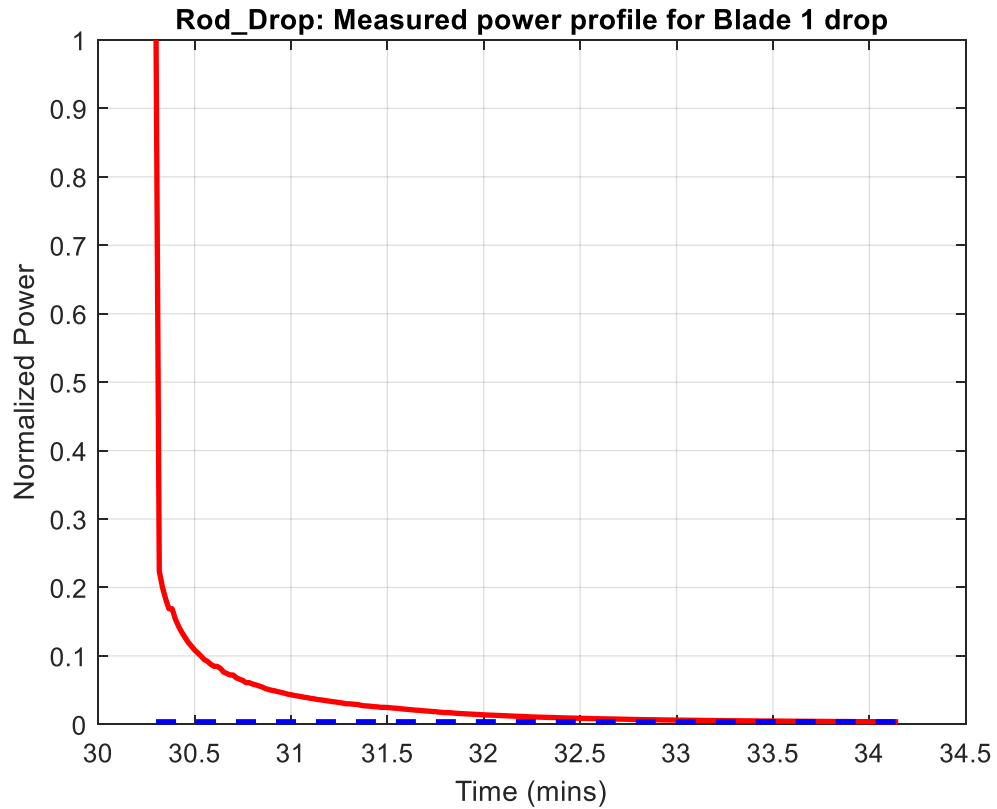
Measured stable period (sec): 126.88
 Measured rho (%Dk/k): 0.062 (0.080 \$)
 Difference in predicted rho (%): -0.10

Phase I Negative Reactivity Change:

RegBlade start position (inches): 8.03
 RegBlade end position (inches): 4.38
 Rho change from RegBlade curve (%Dk/k): -0.067

Measured stable period (sec): -186.47
 Measured rho (%Dk/k): -0.068 (-0.088 \$)
 Difference in predicted rho (%): 2.35

Results for the Reactivity Measurements Expt on March 20, 2018



Phase II Reactivity Change for Source Insertion:

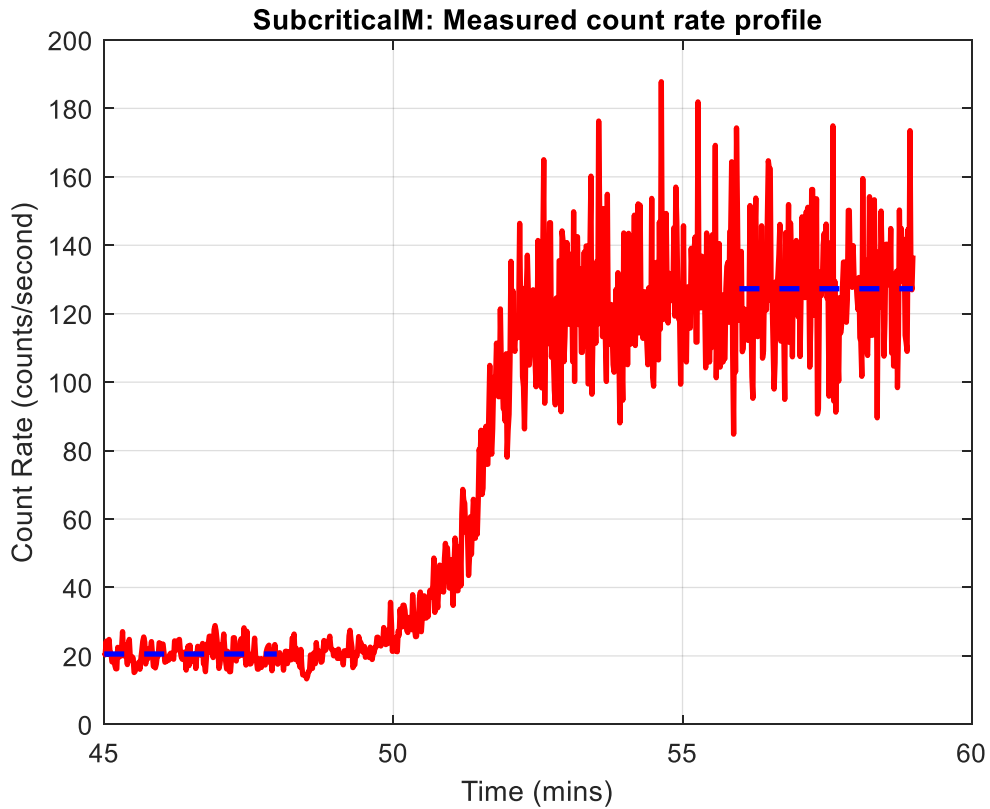
RegBlade start position (inches): 8.41
RegBlade end position (inches): 9.26
Rho change from RegBlade curve (%Dk/k): 0.0184
Rho change for source insertion (%Dk/k): -0.0184 (-0.024 \$)

Phase II Dropped Blade #1 Reactivity Change:

Blade #1 start position (inches): 17.50
Blade #1 end position (inches): 0.00
Rho change from Blade #1 curve (%Dk/k): -2.358 (-3.023 \$)

Measured rho (%Dk/k): -1.914 (-2.453 \$)
Difference in predicted rho (%): -18.84

Results for the Reactivity Measurements Expt on March 20, 2018



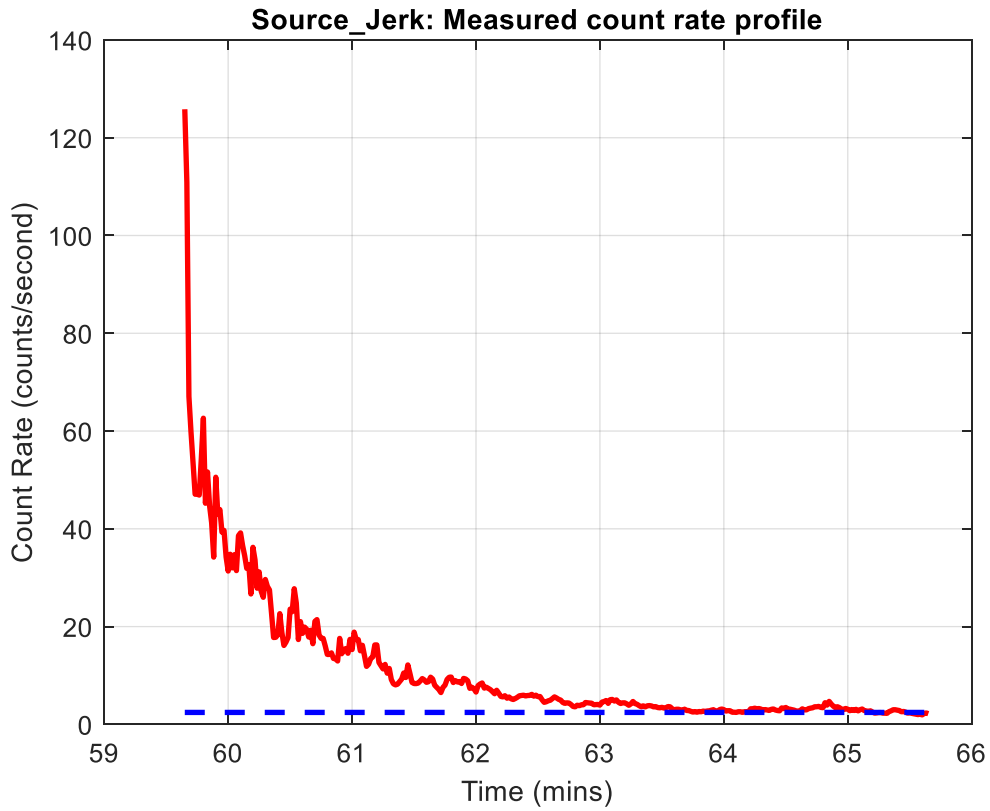
Phase III Blade #1 Reactivity Change at Subcritical:

Blade #1 start position (inches):	0.00
Initial Subcriticality level (%Dk/k):	-2.358
Blade #1 end position (inches):	15.00
Rho change from Blade #1 curve (%Dk/k):	1.960 (2.513 \$)

Measured rho (%Dk/k):	1.977 (2.535 \$)
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Difference in predicted rho (%):	0.87
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Results for the Reactivity Measurements Expt on March 20, 2018



Phase IV Source Jerk Estimate of Subcriticality:

Rho0 from Blade #1 curve(%Dk/k):	-0.398	(-0.510 \$)
Measured rho0 (%Dk/k):	-0.428	(-0.549 \$)
Difference in predicted rho0 (%) :	7.64	