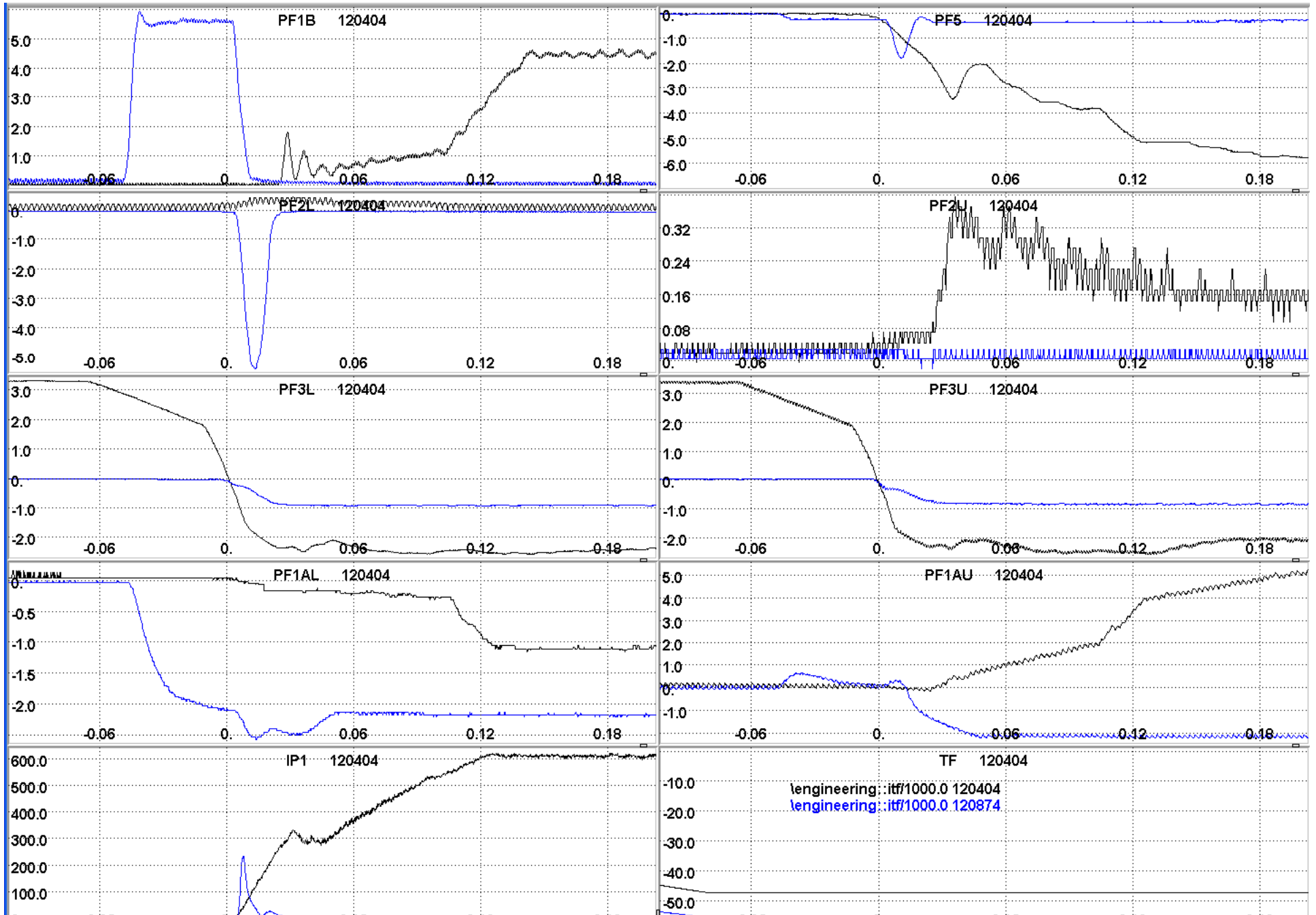


CHI with Pre-charged OH

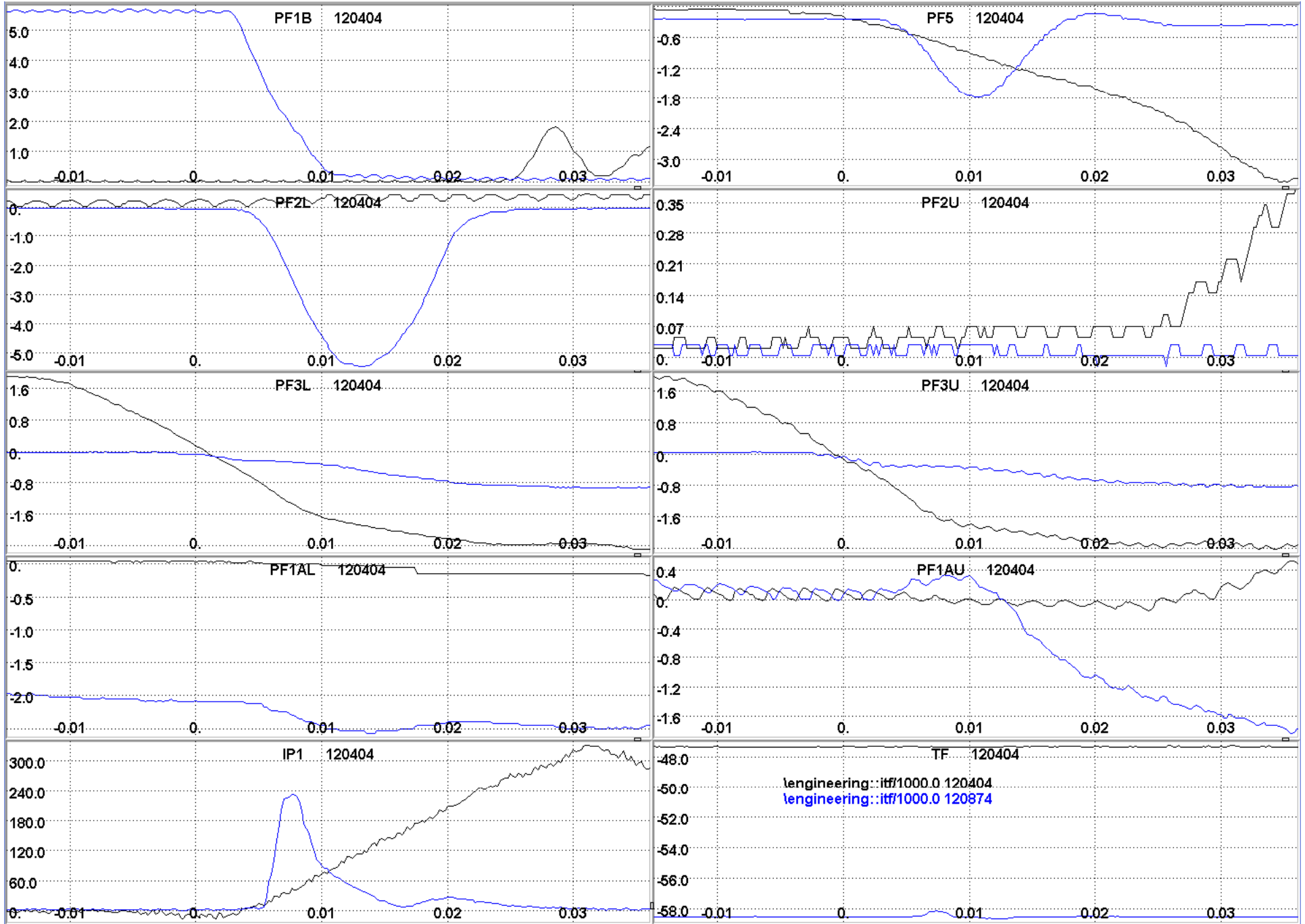
# 120404: LSN – with PF1B

# 120874: Reference CHI Shot



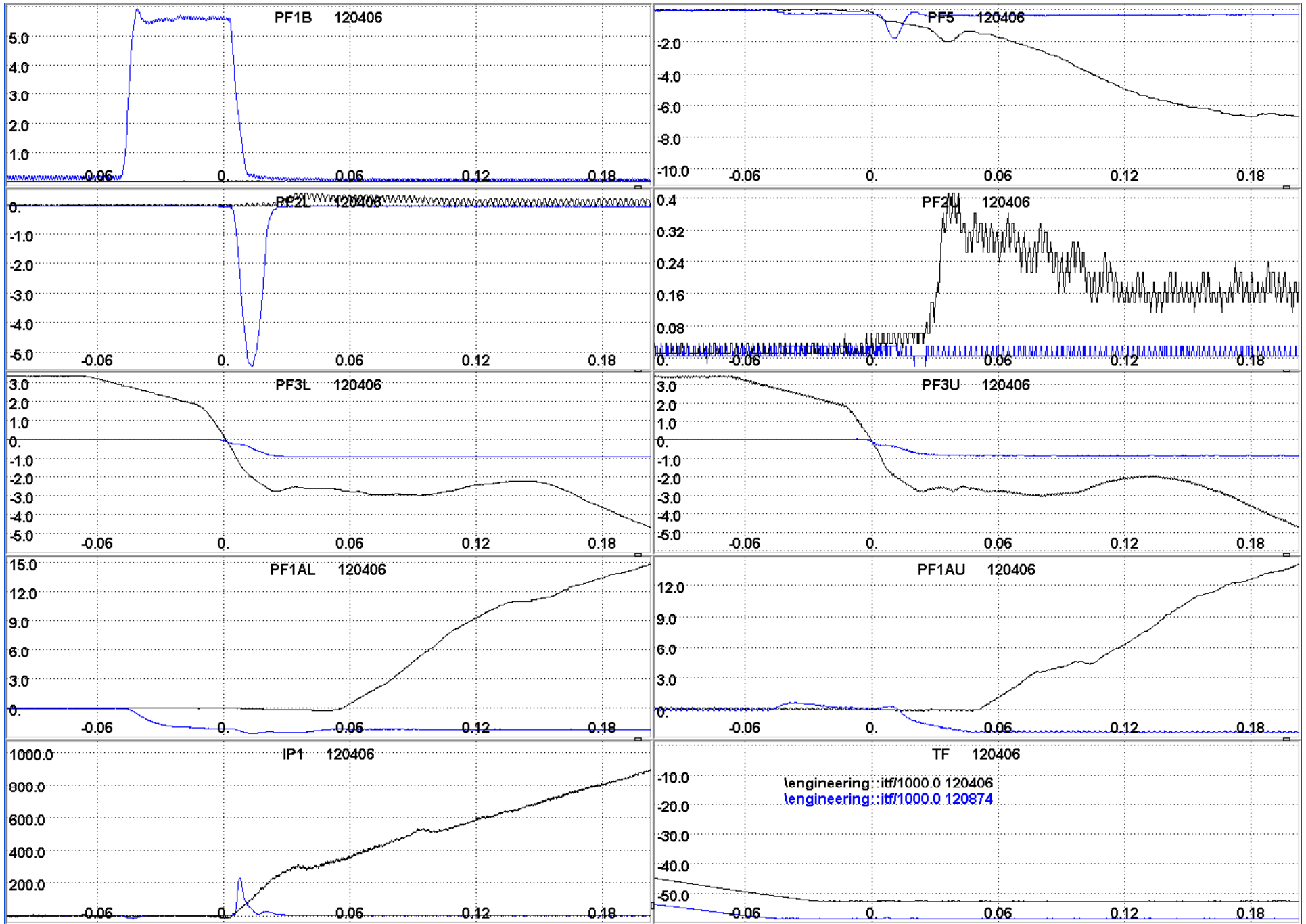
# 120404: LSN – with PF1B

# 120874: Reference CHI Shot



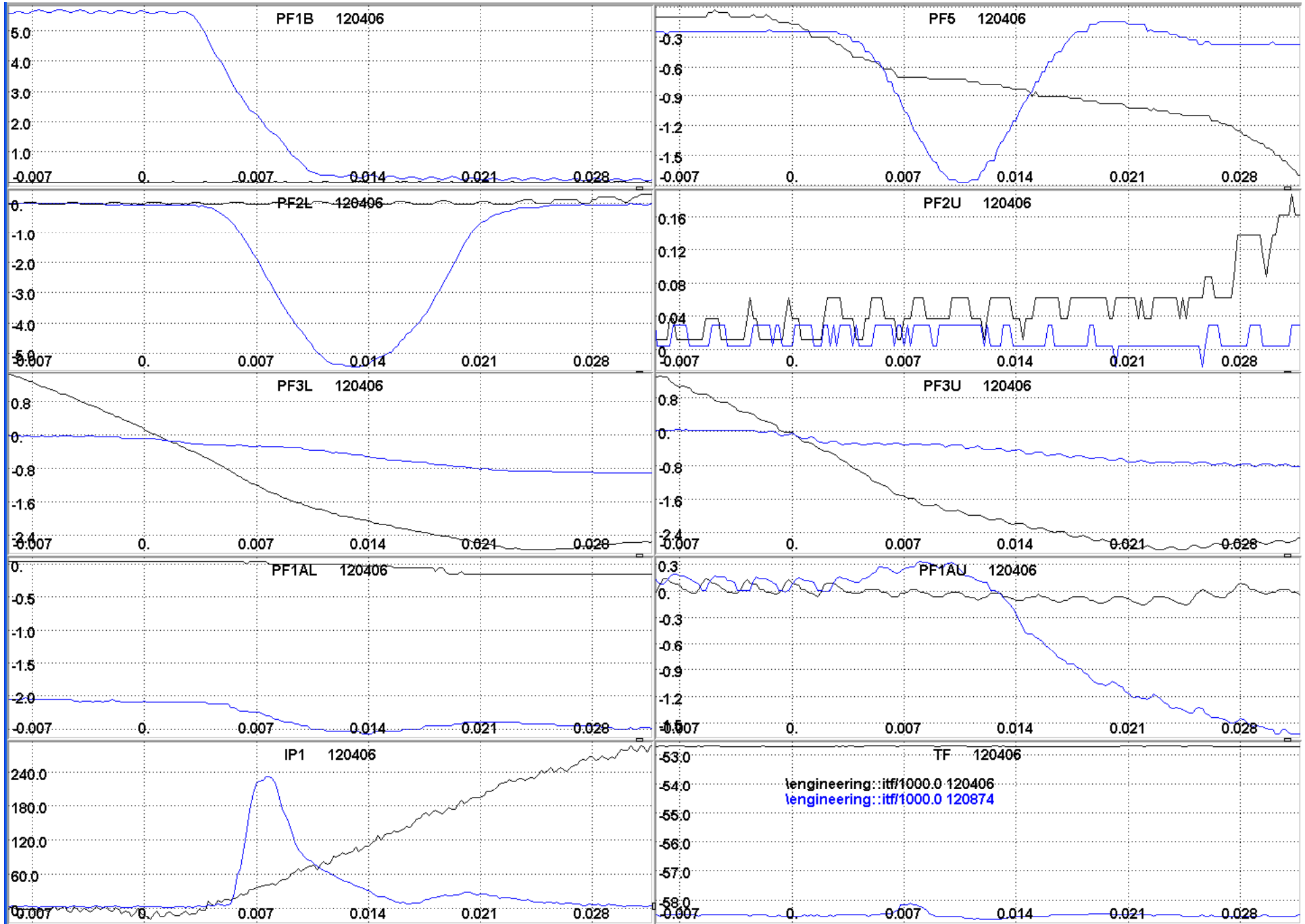
# 120406: DN – without PF1B

# 120874: Reference CHI Shot



# 120406: DN – without PF1B

# 120874: Reference CHI Shot



XFLUXNSTX  
120874  
@ Oms

Read Shot Data

Load Settings

Save Settings

Switch Background Color

Switch BW/Color

Hardcopy

Exit

70.0

PF1AU

-0.1

OH

-2094.8

PF1AL

5594.3

PF1B

PSI\_INJ 0.0473347

PSI\_COIL -0.0286521

Edit Extra Coils

0.0

Extra Coil 1

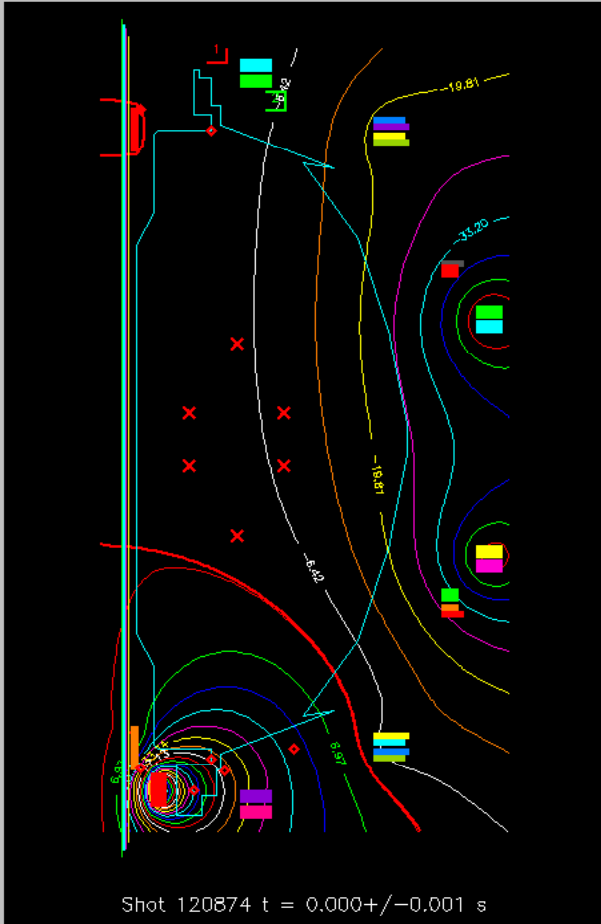
0.0

Extra Coil 2

Flux (mWb) Mod B (mT)

100 30

% Max Val Cont Lvl Number of Levels



Change Plasma Coil(s)

0.0

I<sub>p</sub> (kA)

I<sub>p</sub> distribution

Constant 1/R

14.3

PF2U

-78.3

PF3U

1.0

PF4U

-249.6

PF5U

-249.6

PF5L

1.0

PF4L

-81.7

PF3L

-65.6

PF2L

FLPF1AL4 0.0319652

FLPF1AU4 1.44721e-0

FLOBDL1 0.0436354

XFLUXNSTX  
120874  
@ 5ms

Read Shot Data  
Load Settings  
Save Settings  
Switch Background Color  
Switch BW/Color  
Hardcopy  
Exit

195.0  
PF1AU

-0.1  
OH

-2134.8  
PF1AL

3749.3  
PF1B

PSI\_INJ 0.0221389  
PSI\_COIL -0.022506

Edit Extra Coils  
0.0  
Extra Coil 1  
0.0  
Extra Coil 2

Flux (mWb) Mod B (mT)  
100 30  
% Max Val Cont Lvl Number of Levels

Shot 120874 t = 0.005 +/- 0.001 s

Change Plasma Coil(s)  
0.0  
Ip (kA)

I\_p distribution  
Constant 1/R

14.3  
PF2U

-293.3  
PF3U

-2.0  
PF4U

-494.6  
PF5U

-494.6  
PF5L

-2.0  
PF4L

-240.1  
PF3L

-435.6  
PF2L

FLPF1AL4 0.0161900  
FLPF1AU4 -3.57899e-  
FLOBDL1 0.0093381

XFLUXNSTX  
120404  
@ 0ms

Read Shot Data  
Load Settings  
Save Settings  
Switch Background Color  
Switch BW/Color  
Hardcopy  
Exit

63.6  
PF1AU

23675.2  
OH

34.7  
PF1AL

15.2  
PF1B

PSI\_INJ [-0.000287]  
PSI\_COIL [0.0148866]

Edit Extra Coils  
0.0  
Extra Coil 1  
0.0  
Extra Coil 2

Flux (mWb) Mod B (mT)  
100 30  
% Max Val Cont Lvl Number of Levels

Shot 120404 t = 0.000 +/- 0.005 s

Change Plasma Coil(s)  
0.0  
Ip (kA)

I\_p distribution  
Constant 1/R

34.5  
PF2U  
-100.6  
PF3U  
-4.0  
PF4U  
-251.5  
PF5U  
-251.5  
PF5L  
-4.0  
PF4L  
118.8  
PF3L  
173.2  
PF2L  
FLPF1AL4 [0.298247]  
FLPF1AU4 [0.297673]  
FLOBDL1 [0.244827]



XFLUXNSTX  
120404  
@ 5ms

Read Shot Data

Load Settings

Save Settings

Switch Background Color

Switch BW/Color

Hardcopy

Exit

Edit Extra Coils

Extra Coil 1: 0.0

Extra Coil 2: 0.0

Flux (mWb) Mod B (mT)

% Max Val Cont Lvl Number of Levels: 100 30

41.0

PF2U

-1066.4

PF3U

-4.3

PF4U

-533.0

PF5U

-533.0

PF5L

-4.3

PF4L

-810.3

PF3L

210.2

PF2L

FLPF1AL4: 0.296291

FLPF1AU4: 0.295515

FLOBDL1: 0.226384

Shot 120404 t = 0.005 +/- 0.005 s

30.1

PF1AU

22975.8

OH

10.2

PF1AL

17.7

PF1B

PSI\_INJ: 0.00104151

PSI\_COIL: 0.00959761

Change Plasma Coil(s)

I<sub>p</sub> (kA): 0.0

I<sub>p</sub> distribution

Constant 1/R

XFLUXNSTX  
120874  
@ 0ms  
+ 20kA OH  
Pre-charge

Read Shot Data  
Load Settings  
Save Settings  
Switch Background Color  
Switch BW/Color  
Hardcopy  
Exit

70.0  
PF1AU

20000.0  
OH

-2094.8  
PF1AL

5594.3  
PF1B

PSI\_INJ 0.0410540  
PSI\_COIL -0.014063

Edit Extra Coils  
Extra Coil 1 0.0  
Extra Coil 2 0.0

Flux (mWb) Mod B (mT)  
100 30  
% Max Val Cont Lvl Number of Levels

Change Plasma Coil(s)  
Ip (kA) 0.0

I\_p distribution  
Constant 1/R

14.3  
PF2U

-78.3  
PF3U

1.0  
PF4U

-249.6  
PF5U

-249.6  
PF5L

1.0  
PF4L

-81.7  
PF3L

-65.6  
PF2L

FLPF1AL4 0.329507  
FLPF1AU4 0.297688  
FLOBDL1 0.283269

XFLUXNSTX  
 120874  
 @ 5ms  
 + 20kA OH  
 Pre-charge

Read Shot Data  
 Load Settings  
 Save Settings  
 Switch Background Color  
 Switch BW/Color  
 Hardcopy  
 Exit

195.0  
 PF1AU

20000.0  
 OH

-2134.8  
 PF1AL

3749.3  
 PF1B

PSI\_INJ 0.0158581  
 PSI\_COIL -0.007917

Edit Extra Coils  
 Extra Coil 1 0.0  
 Extra Coil 2 0.0

Flux (mWb) Mod B (mT)  
 100 30  
 % Max Val Cont Lvl Number of Levels

Change Plasma Coil(s)  
 Ip (kA) 0.0

I\_p distribution  
 Constant 1/R

14.3  
 PF2U

-293.3  
 PF3U

-2.0  
 PF4U

-494.6  
 PF5U

-494.6  
 PF5L

-2.0  
 PF4L

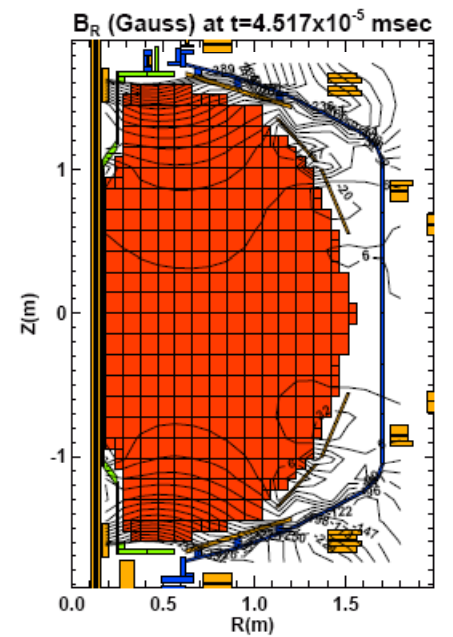
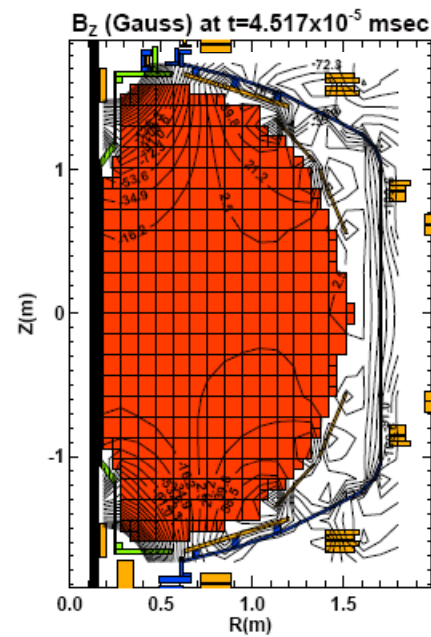
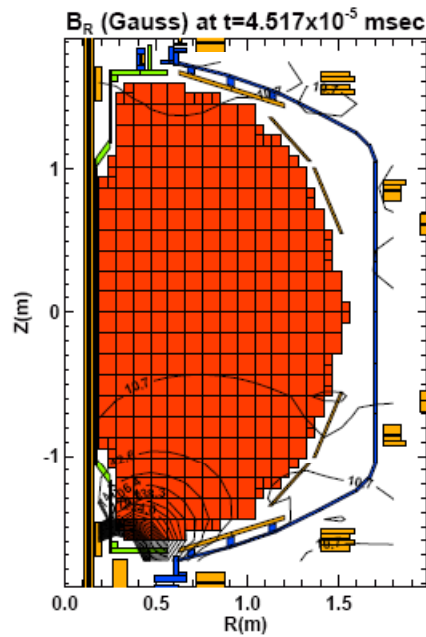
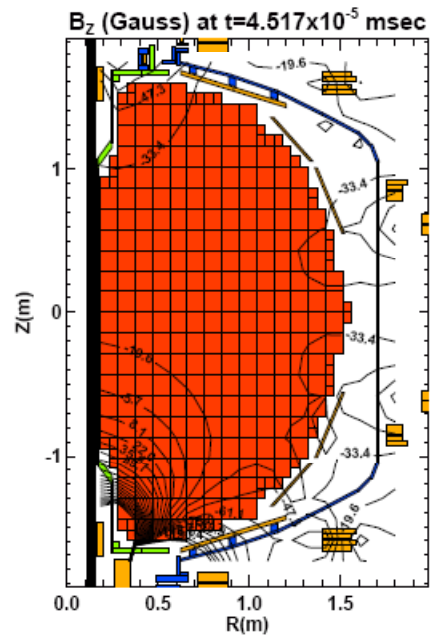
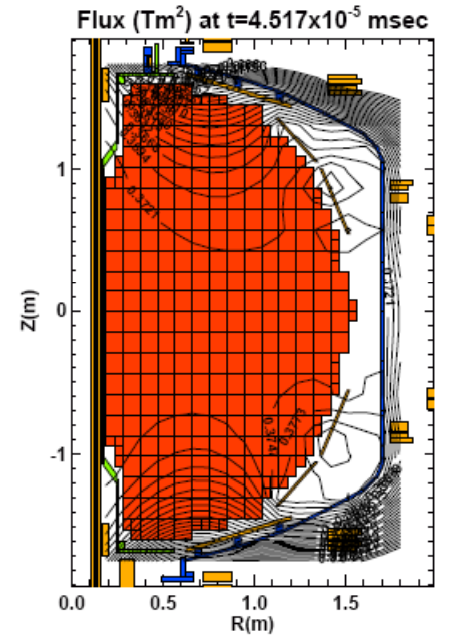
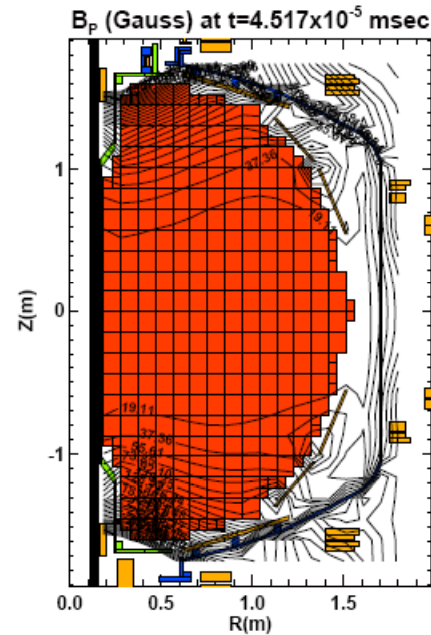
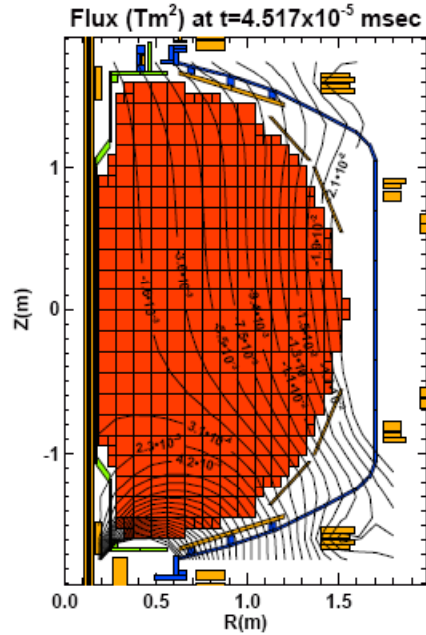
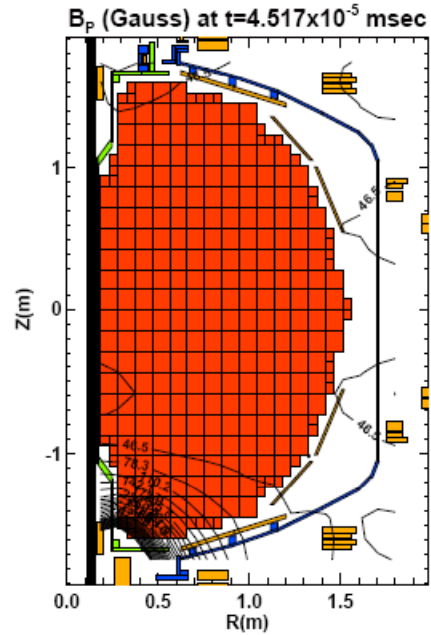
-240.1  
 PF3L

-435.6  
 PF2L

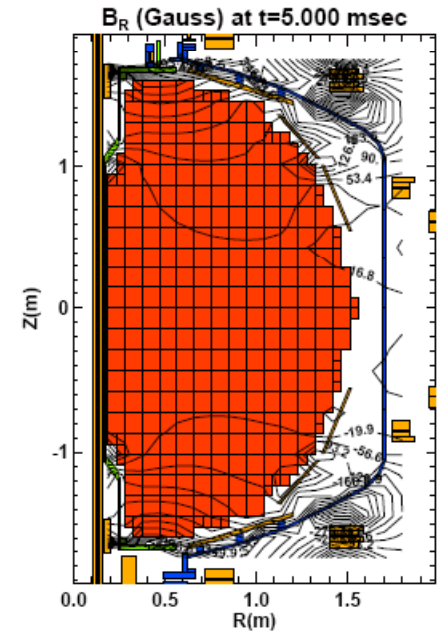
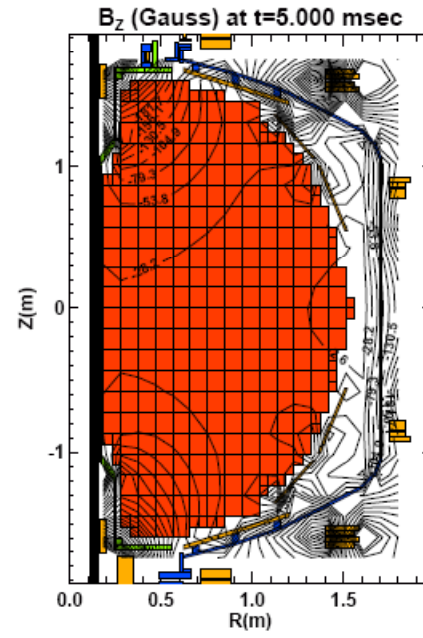
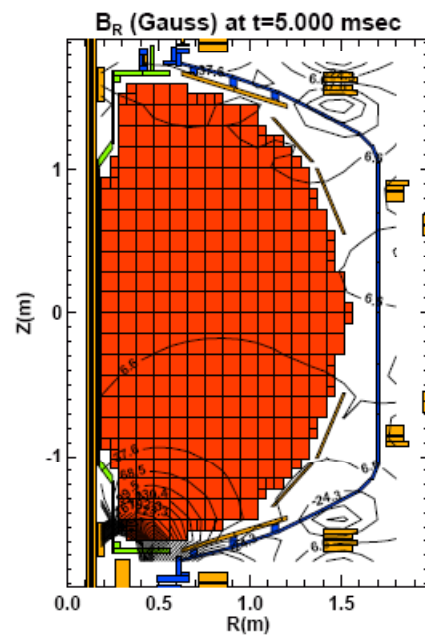
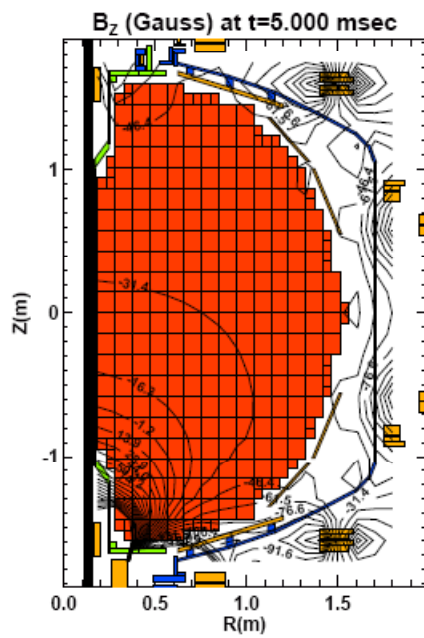
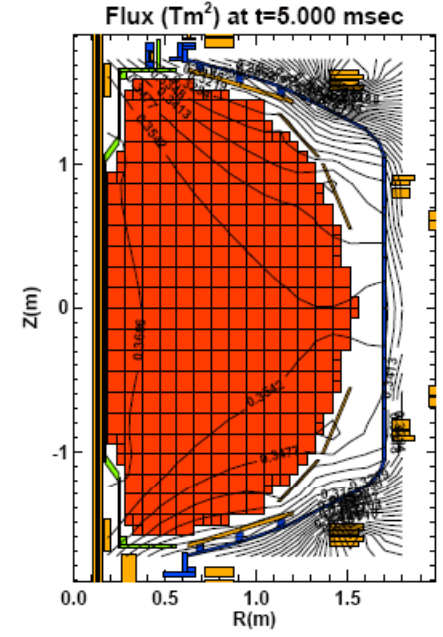
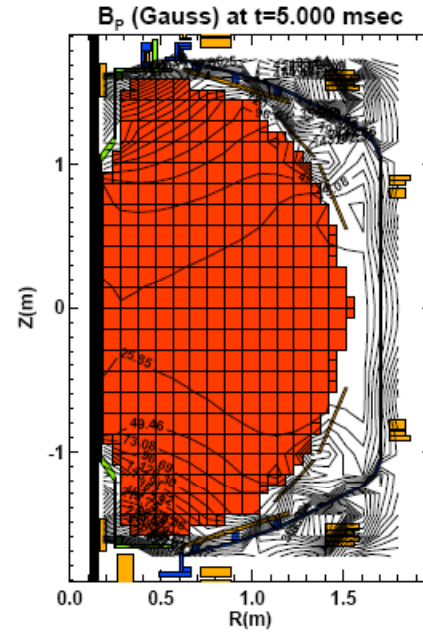
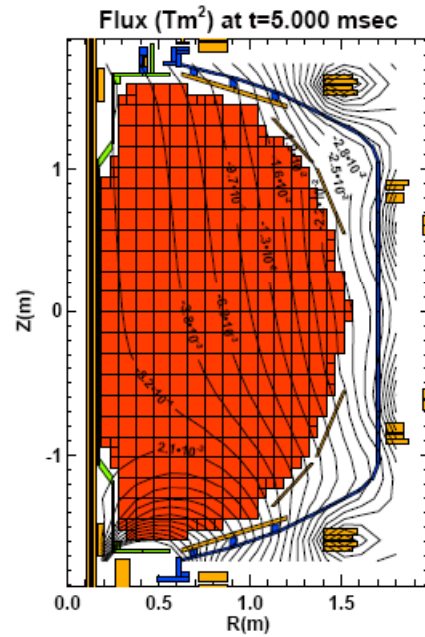
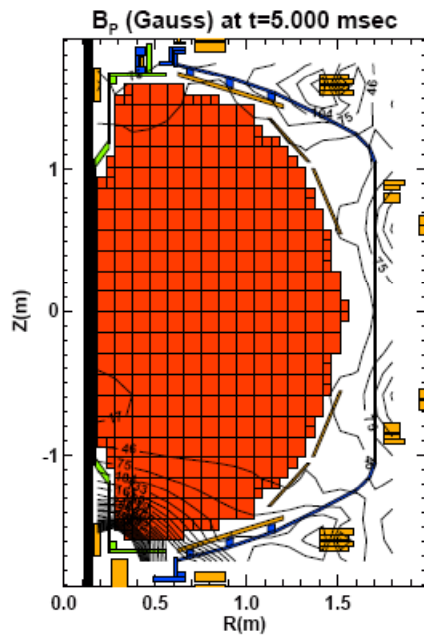
FLPF1AL4 0.313732  
 FLPF1AU4 0.297638  
 FLOBDL1 0.248972

LRDFIT 120874 @ 0ms

LRDFIT 120404 @ 0ms



LRDFIT 120874 @ 5ms



120874  
 With OH  
 & zero PF1B  
 & less PF3U/L  
 & zero PF2L

Read Shot Data

Load Settings

Save Settings

Switch Background Color

Switch BW/Color

Hardcopy

Exit

Edit Extra Coils

Extra Coil 1: 0.0

Extra Coil 2: 0.0

Flux (mWb) Mod B (mT)

% Max Val Cont Lvl Number of Levels: 100 30

22.2

PF2U

2000.0

PF3U

2.5

PF4U

-191.5

PF5U

-191.5

PF5L

2.5

PF4L

2000.0

PF3L

0.0

PF2L

FLPF1AL4: 0.300983

FLPF1AU4: 0.301516

FLOBDL1: 0.274470

72.0

PF1AU

20000.0

OH

0.0

PF1AL

0.0

PF1B

PSI\_INJ: 0.0069781

PSI\_COIL: 0.0239329

Change Plasma Coil(s)

I<sub>p</sub> (kA): 0.0

I<sub>p</sub> distribution

Constant 1/R