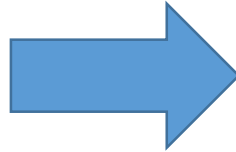


Xboxes Update

05/08/2020

Summary

- XBOX1: klystron diode mode
- XBOX2:
 - Software crashed last last night, back online now.
 - Reached 23.5MW per structure (summary slide following).
 - Reached saturation, modulator voltage increased to 1100V.
- XBOX3AB: T42 Structures
 - Flat running at 27.1MW
 - Increased DC thresholds after the meeting last week
 - Xbox3 might have to take a pause in the next few days as there is a problem with the computer



- XBOX1: klystron diode mode
- XBOX2:
 - Back up to 26MW (summary slide following).
- XBOX3AB: T42 Structures
 - Flat running at 27.1MW
 - Strange behavior over the weekend!

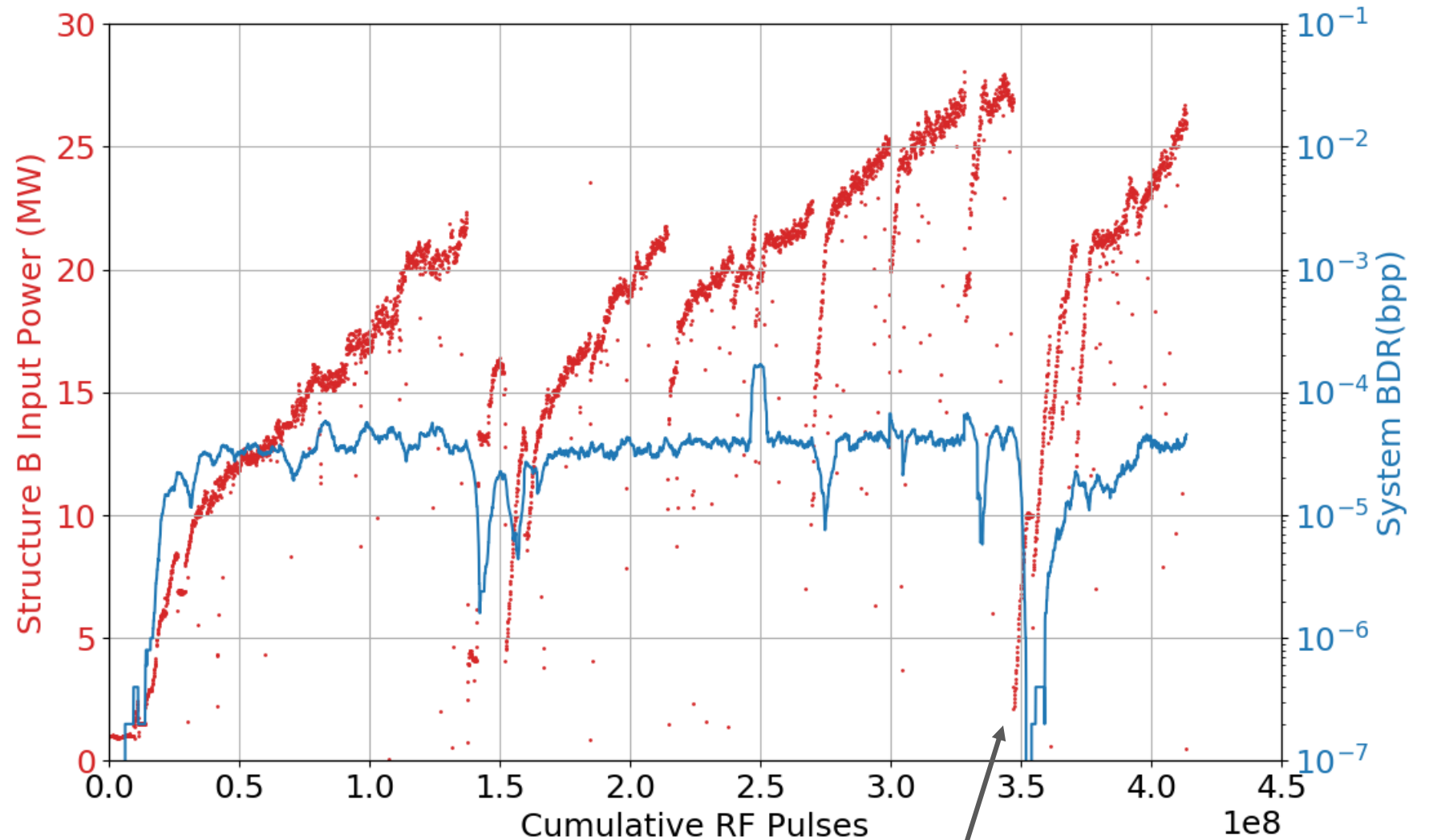
XBOX2

Modulator voltage was increased to 1100V last week.

Back up to **26.3MW** (again) and limited by BDs, hopefully entering uncharted territory this week.

Parameters:

- 0.7us klystron pulse
- 50ns pulse
- 50Hz rep rate
- **Target Power:** 35MW Peak in structure B
- **BDR Setpoint:** 3E-5

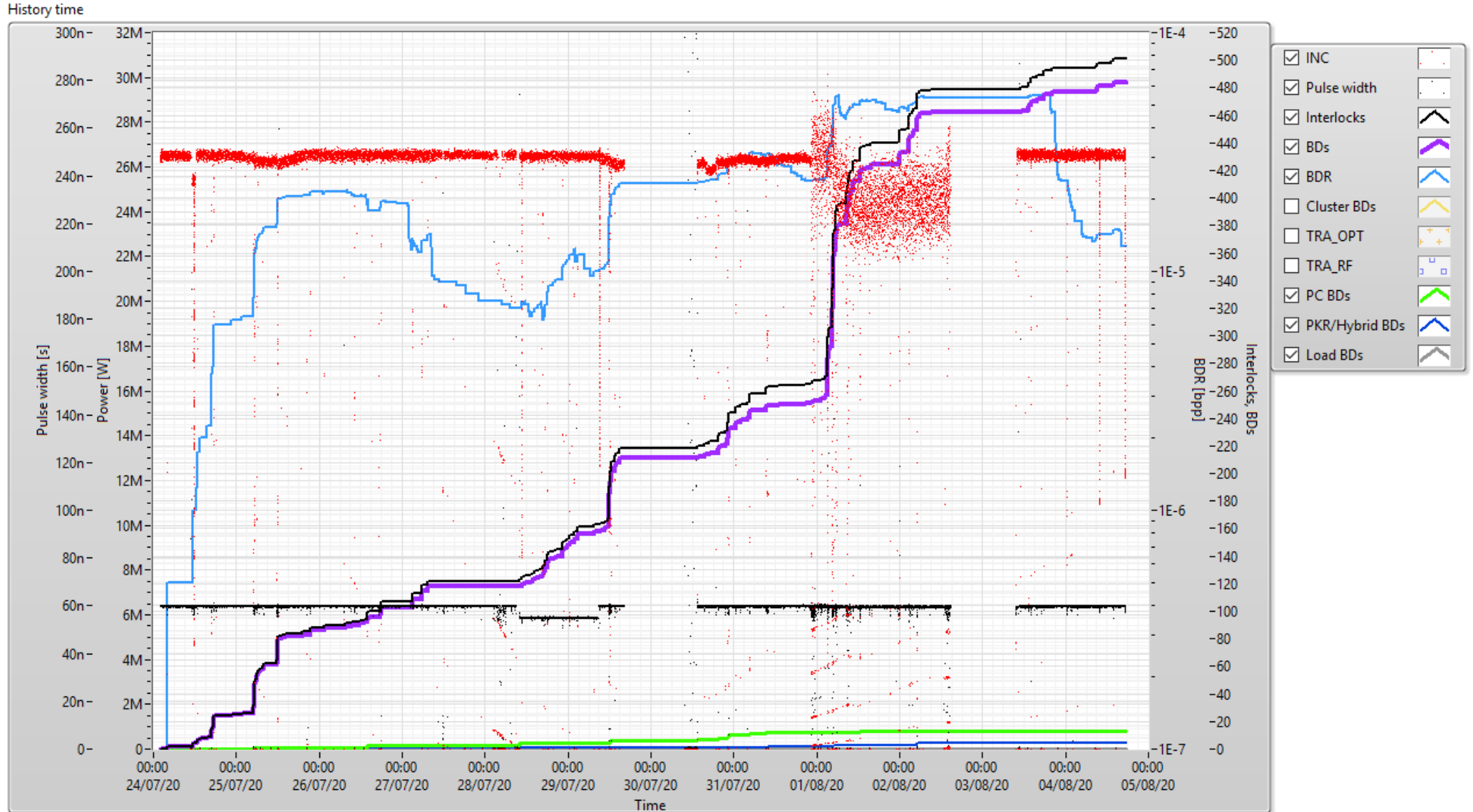


Restarted here.

XBOX3 AB – Line 1

Parameters:

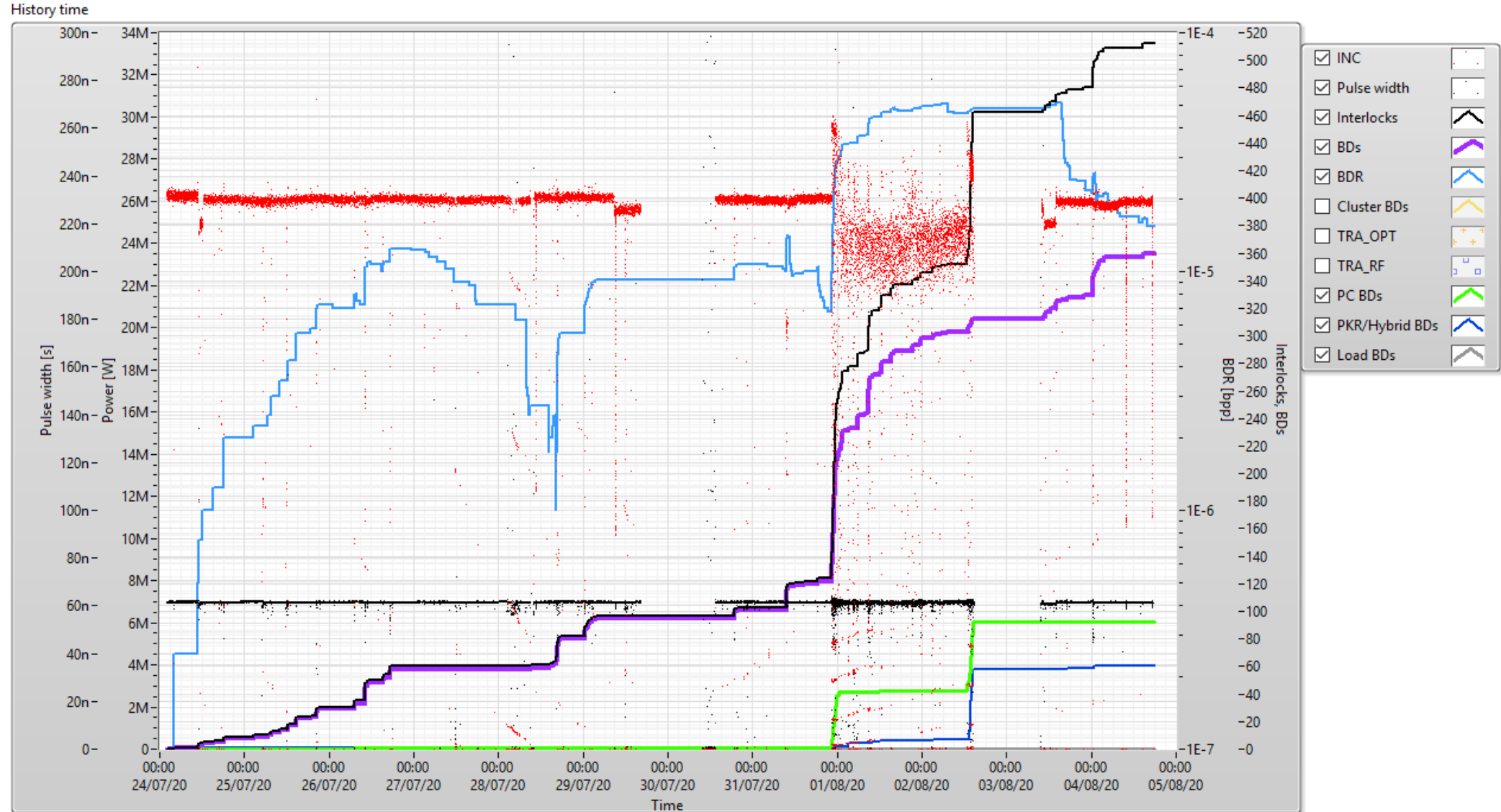
- 1.3us klystron pulse
- **50ns pulse**
- 50Hz rep rate
- **Current Setpoint:
27.1MW Peak**



XBOX3 AB – Line 2

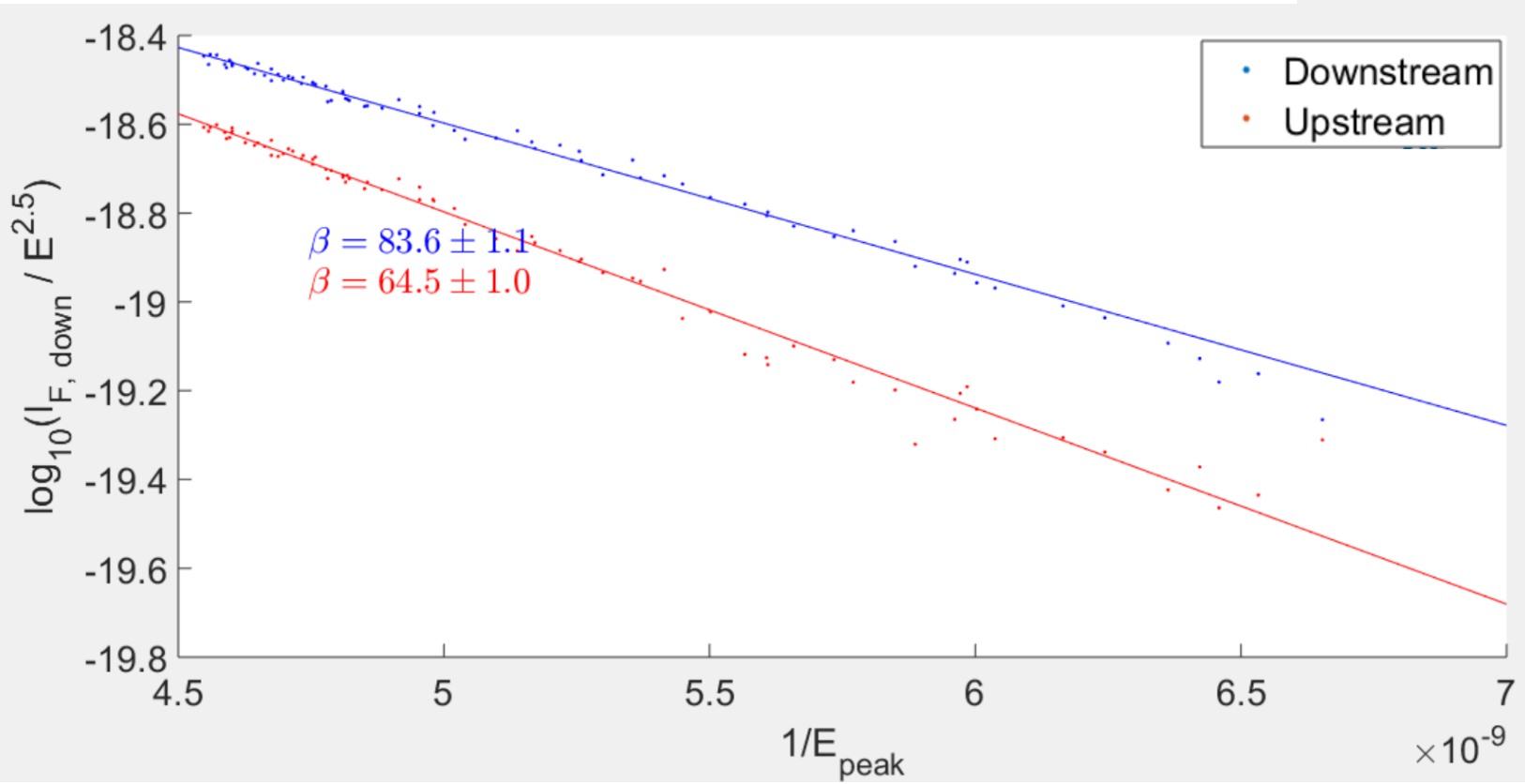
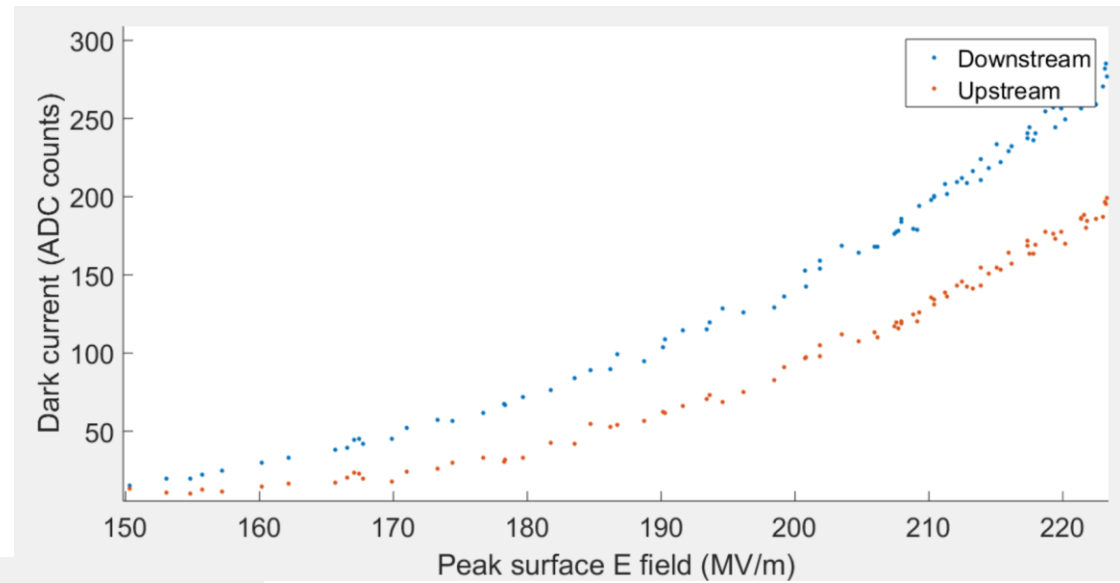
Parameters:

- 1.3us klystron pulse
- **50ns pulse**
- 50Hz rep rate
- **Current Setpoint:
27.1MW Peak**



Line 1

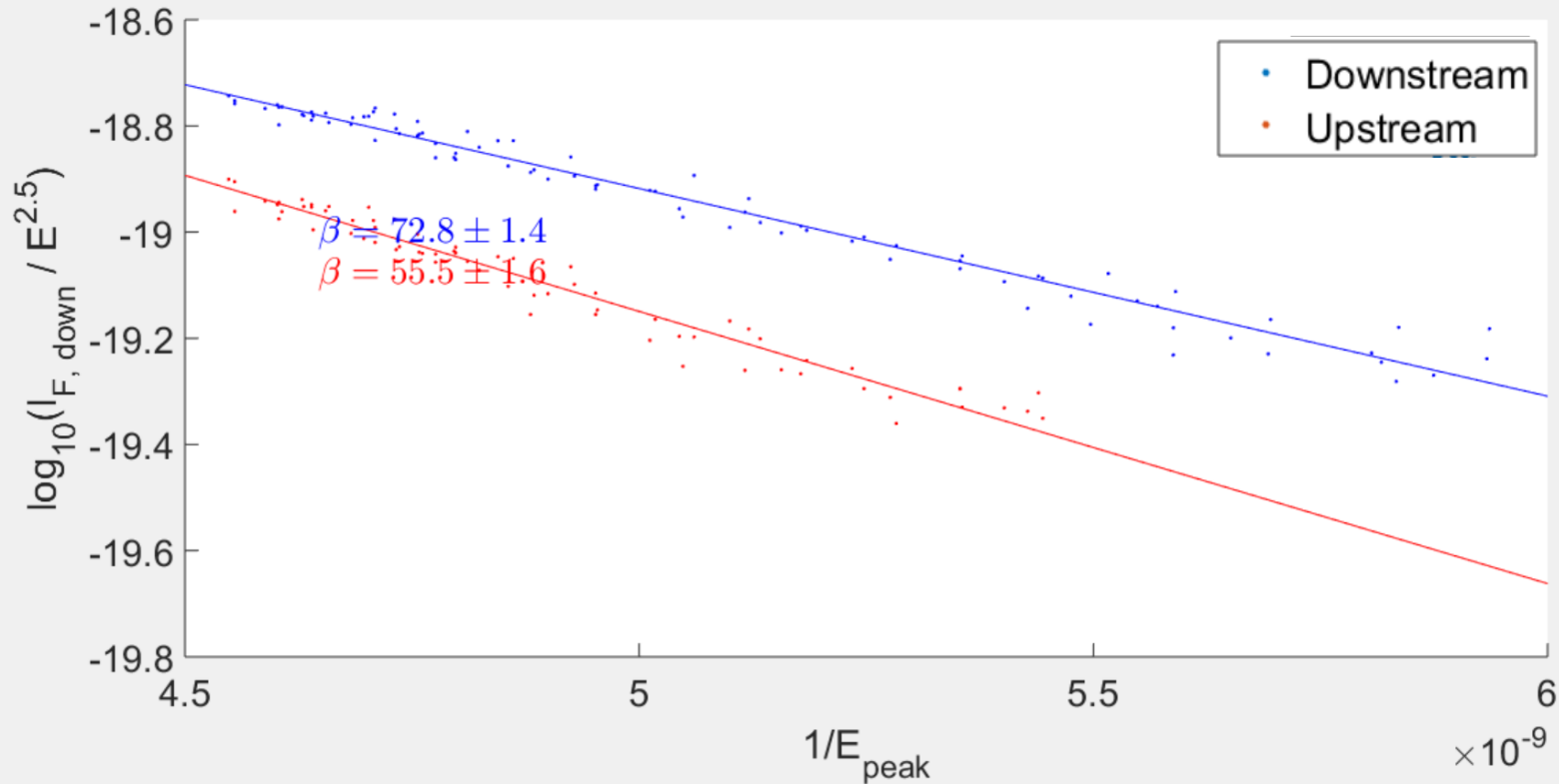
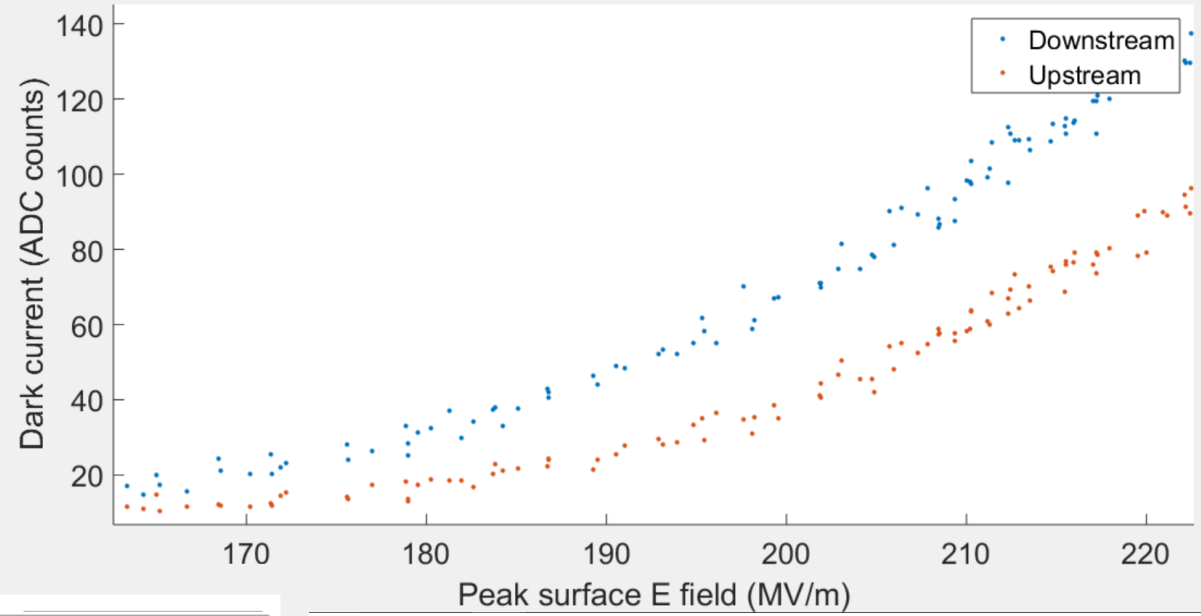
03.08.2020 7.45AM



- Parameters:
- 1.3us klystron pulse
 - **50ns pulse**
 - 50Hz rep rate
 - **Current Setpoint: 27.1MW**
 - **Nominal for 100MV/M: 21.4MW**

Line 2

03.08.2020 7.45AM

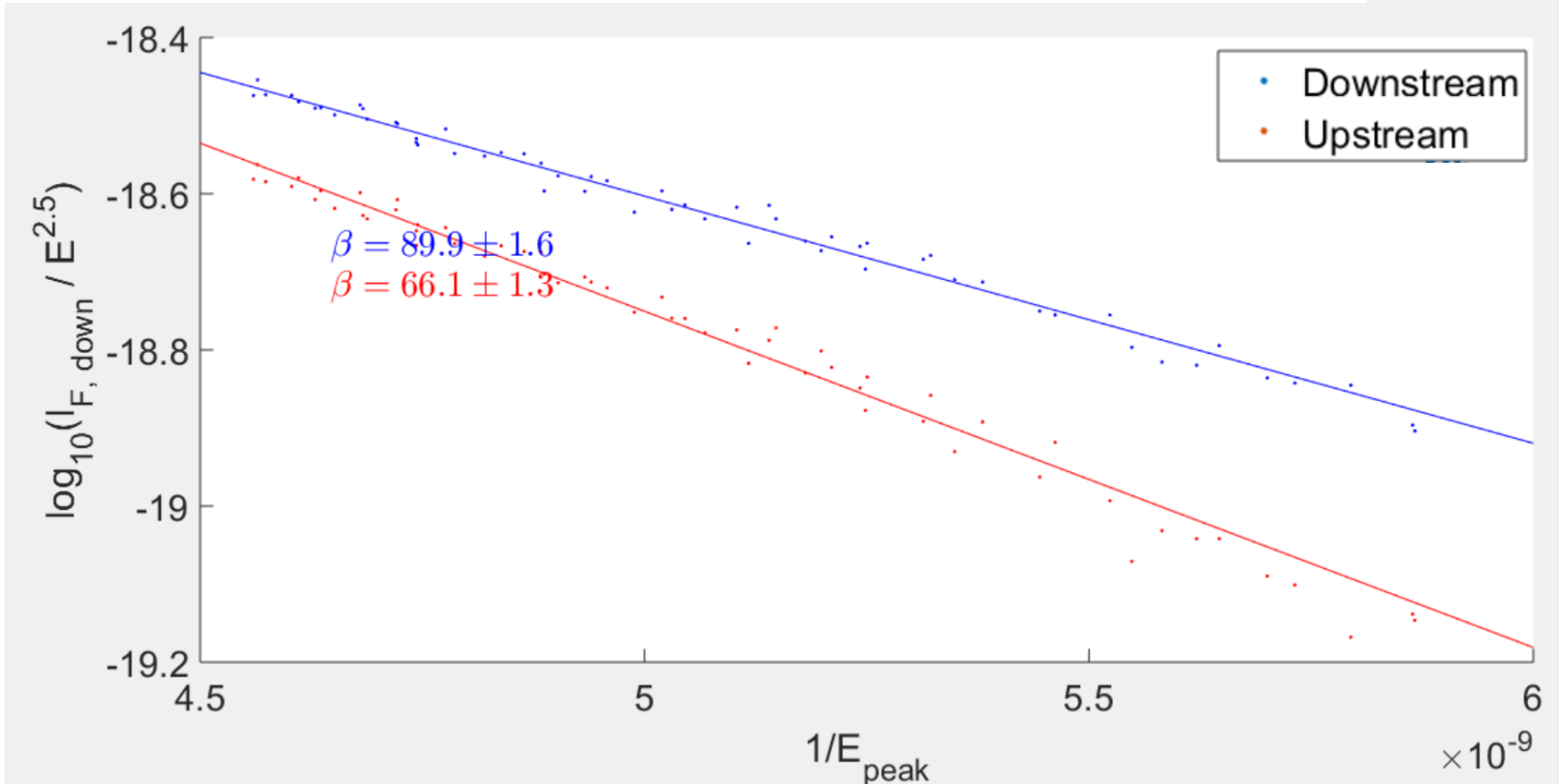
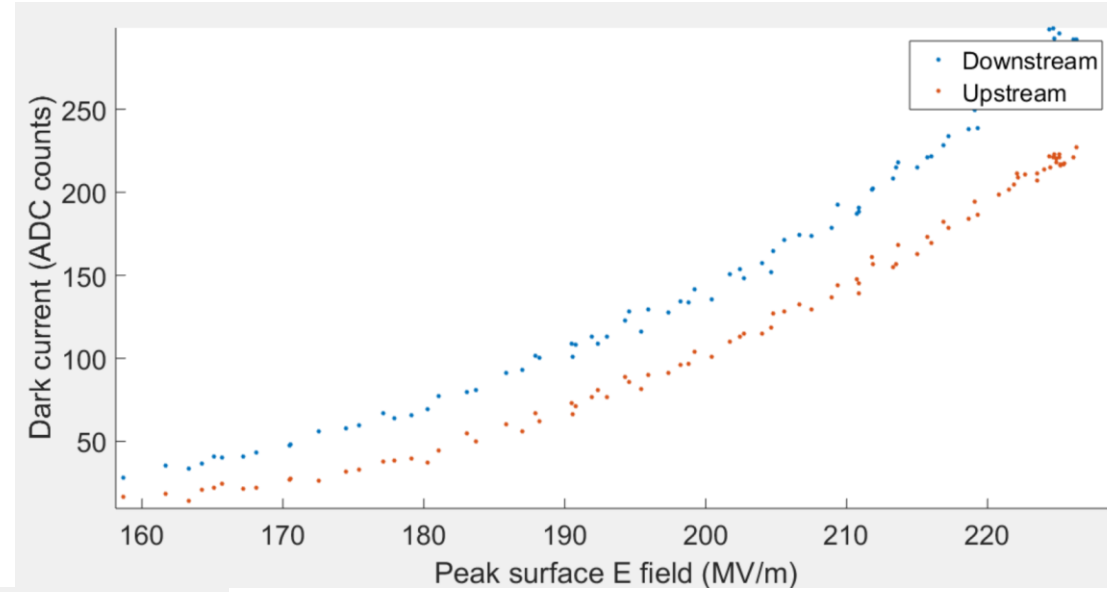


Parameters:

- 1.3us klystron pulse
- **50ns pulse**
- 50Hz rep rate
- **Current Setpoint: 27.1MW**
- **Nominal for 100MV/M: 21.4MW**

Line 1

04.08.2020 5.30PM

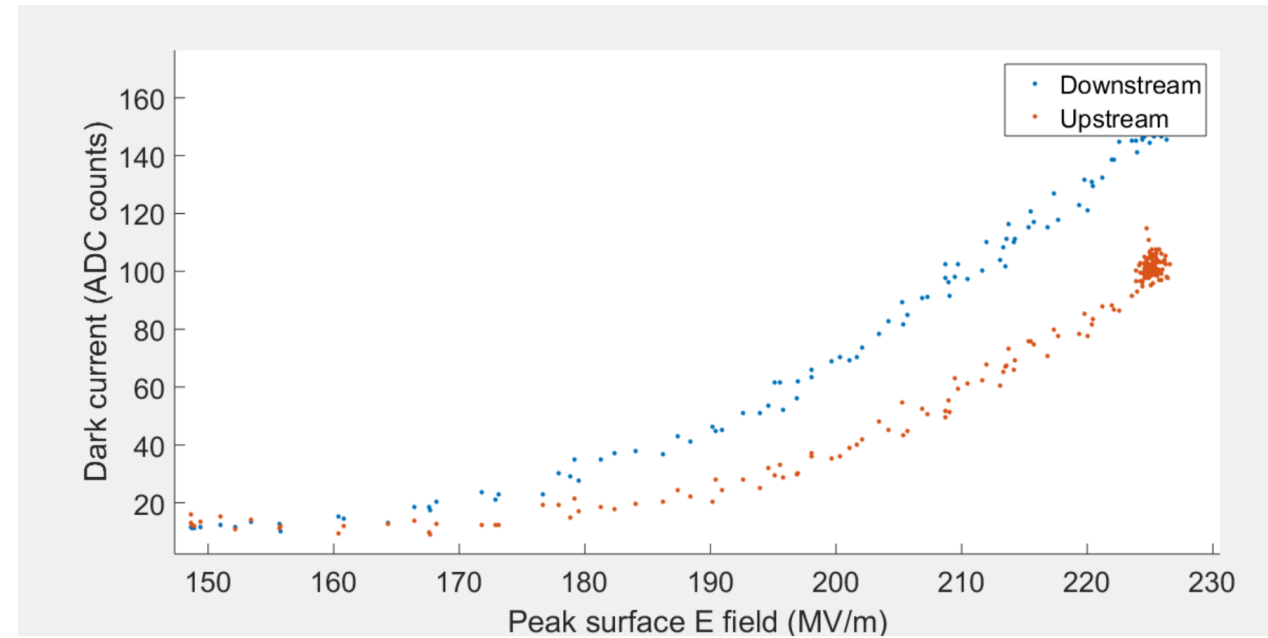
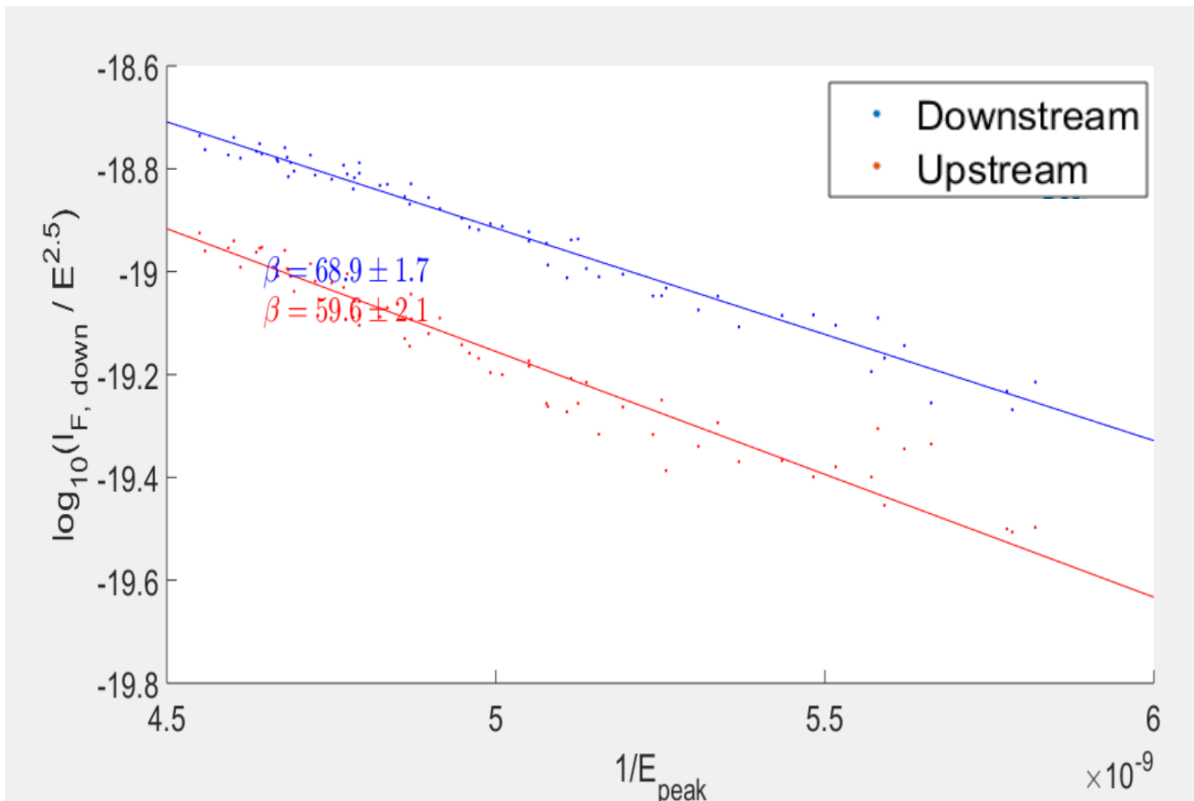


Parameters:

- 1.3us klystron pulse
- **50ns pulse**
- 50Hz rep rate
- **Current Setpoint: 27.1MW**
- **Nominal for 100MV/M: 21.4MW**

Line 2

04.08.2020



Parameters:

- 1.3us klystron pulse
- **50ns pulse**
- 50Hz rep rate
- **Current Setpoint: 27.1MW**
- **Nominal for 100MV/M: 21.4MW**