

08/16/2022

SDD1 - 27054
radialSDD2 - 16645
NozzleSDD3 - ~~27054~~ 19777
CCMidPoint

Time 1:36	01 - SDD1 CC Radial noise Saved	20 -
	02 - SDD2 - CC Nozzle "	19 19 -
	03 - SDD3 AP4 . "	20 -

* Slow threshold not set.
 * Gain = 35.
 * Peaking Time = 1 μ s.

Time	B.B	M.P	Nozzle	Pressure mTorr	Comments
2:06pm	264A 04 05 06 - SDD3 AP4	280A	100A	0.69 -280A - 0.74 mTorr	Pf = 2.809 V Pr = 827 mV
2:33	261A 07 08 09 - SDD3 AP4	280	100A	0.727 -280 - 0.72	Pf = 2.730 Pr = 847 mV 2.678 847 mV
The SDD3 was mistakenly set reset. SO took the data again for 3x.					
2:39	the slow threshold was set accordingly				
	11 12 13	Slow threshold set to ~2			
	14 15 16	0.71 slow threshold set to 5			

(2)

The plasma was shut off.
Before After analysing the previous spectra

The Gain was set to 200

Peaking time

$1\mu s - 0.721$

$0.2\mu s - 0.719\mu\text{torr}$

$0.1\mu s$

$5.6\mu s$

Plasma off.

$5.6\mu s - \text{CC Midpoint took noise}$

* This indicates that 39 eV valley and peak are thermal noise

— KC-MidPoint Aperture set = 0.

There is only noise spectra.

— Now the aperture is set = 1.

The Oxygen Peak is seen

$L2 = 281\text{ A}, 0.704\text{ mtorr}$

— $3:51\text{ pm}$, The B.B = 301 A , $L2 = 300\text{ A}$, $P = 0.7\text{ mtorr}$
21] 2.704

22] The slow threshold was set to 13%

→ $4:05$ The B.B = 405 A , $L2 = 408$, Nozzle = 100 A

23] $PF = 2.66\text{ V}$ | 0.705 mtorr
 $PR = 0.993\text{ mV}$

The CR decreased

28.9 cps

Time 4:12pm	BB 208 A	M.P 201 A	Nozzle 100	Pressure 24] 0.69 mtor (3) 24] 24 SDD - 201A 0.701 mtor (60 cps)
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<u>APB</u> 5 Time 4:17pm			"	25) Ap 3.5. (1928.1 cps)
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4:29pm AP 4	208	201A	100A	26] (1372.6 cps)
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