

08/16/2022

SDD1- 27054  
radialSDD2- 16645  
NozzleSDD3 - ~~27054~~ 19 777  
CCMidPoint

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

\* Slow threshold not set.  
 \* Gain = 35.  
 \* Peaking Time = 1  $\mu$ s.

Time	B.B	M.P	Nozzle	Pressure mTorr	Comments
2:06pm	264 A	280 A	100 A	0.69	Pf = 2.809 V Pr = 827 mV
	04				
	05				
	06 - SDD3 AP4	-280 A	-0.74 mTorr		
2:33	261 A	280	100 A	0.727	Pf = 2.730 Pr = 847 mV
	07				
	08				
	09 - SDD3 AP4	-280	-0.72		2.678 847 mV
	The SDD3 was mistakenly reset. SO took the data again for 30.				

2:39 the slow threshold was set accordingly

11  
12  
13Slow threshold  
set to ~214  
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

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— 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 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]  $P_F = 2.66 \text{ V}$   
 $P_R = 0.993 \text{ mV}$  |  $0.705 \text{ mtorr}$ .

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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AP 3.5 Time  
4:17pm

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25) Ap 3.5.

(1928.1 cps)

4:29pm  
AP 4

208

201A

100A

26]

(1372.6 cps)

