

2045/05/20

RMF, H_2 gas

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1			Date:	5/20/15														
2			Run description:	FRC/RMFo	ROEF													
3			Base pressures: Main IG (T)	2.7e-7														
4			ER IG (T)															
5			Satellite IG (T)	2.0e-7														
6			Main chamber Baratron (T)	1.0075														
7			Expansion region Baratron (T)	1.000														
8			Antennas/delay lines	2-turn, RG-217, 15" long														
9			RMF frequency & phase	8.045														
10			Magnet configuration & PS	4x8 + 8x4 coils; RR PS; eight BN-covered FCs														
11			RMF system	SRS-> duty factor limiter -> AR100LM9 -> 2KD -> four 8K Ultras														
12			Wall Time	10.32	10.35		2.13	2.15										
13			Main magnets I (A)		92			92										
14			Nozzle coils I (A)		300			300										
15			MC IG (T)															
16			MC Slow Baratron (T)		1.0084													
17			MC FB (T)				1.2/mT											
18			ER IG (T)		48e-7													
19			ER slow Baratron (T)		418			440										
20			ER FB (T)					1.9e-5										
21			Satellite IG (T)	2.0e-7	1.8e-5			1.9e-5										
22			Satellite FB (T)	1.000				1.7e-5										
23			Bias voltage: paddle	float														
24			Main valve															
25			Navigator valve															
26			End turbo valve															
27			Gases/feed location/sccm															
28			PV-10 (V)															
29			Pulse	A to/Δ														
30				B to/Δ														
31				C to/Δ														
32			Diagnostics	LeCroy time														
33			Spectr	PM Tube (V)														
34			Wavelength	Port/LOS														
35			170 GHz	dia (mV)/IM freq														
36			X-ray	Amptek														
37			RMFo system	main SRS														
38			Pulse width (ms)/ rep rate (Hz)															
39			Frequency: Center(MHz)/Span(KHz)															
40				Pa														
41				Pr/% refl														
42				ΦM														
43			Satellite probe															
44			ER Probe															
45			27.0 MHz															
46			Helicon (SRS/Power/%mod)															
47			Comments/changes:	for Δφ = π/2, n _e = 2.1e12 cm ⁻³														