

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1			Date:	10/20/16														
2			Run description:	FRC/RMFO	testing new tanks + cables + connectors													
3			Base pressures: Main IG (T)	1.4e-6														
4			ER IG (T)	—														
5			Satellite IG (T)	1.0e-6														
6			Main chamber Baratron (T)	0.298														
7			Expansion region Baratron (T)	0.08														
8			Antennas/delay lines	2-turn, RG-217, 15" long														
9			RMF frequency & phase															
10			Magnet configuration & PS	4x8 + 8x4 coils; RR PS; eight BN-covered FCs	Recentered 4-turn MC coil													
11			RMF system	SRS-> duty factor limiter -> AR100LM9 -> 2KD -> four 8K Ultras														
12			Wall Time	207	247		2:51	3:00	3:10	3:15								
13			Main magnets I (A)	83	83		83			83								
14			Nozzle coils I (A)	300	300		300											
15			MC IG (T)	—	—													
16			MC Slow Baratron (T)	0.0257	0.0255		0.0257											
17			MC FB (T)	—	—													
18			ER IG (T)	—	—													
19			ER slow Baratron (T)	0.348	0.619		0.810											
20			ER FB (T)	—	—													
21			Satellite IG (T)	1.3e-5	2.9e-5		3.0e-5											
22			Satellite FB (T)	—	—													
23			Bias voltage: paddle															
24			Main valve	q														
25			Navigator valve	mostly														
26			End turbo valve	q														
27			Gases/feed location/sccm	Ar 10														
28			PV-10 (V)															
29			Pulse	A to/Δt														
30				B to/Δt														
31				C to/Δt														
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			Helicon Pf/Pr	1.50/5			1.25/5											
46			Helicon (SRS/mod)	140			148			148								
47			Comments/changes:	for Δφ = π/2, ne = 2.1e12 cm-3														

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