

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	
1			Date:	5/3/2023															
2		Run description:			FRC/RMFO RMF 2-ry														
3		Base pressures: SEC IG (T)			0.001														
4		CC IG (T)			0.0029														
5		FEC IG (T)			2.0e-3														
6		SEC Slow Baratron (T)			11.59														
7		CC Slow Baratron (T)																	
8		RMF frequency & phase																	
9		Magnet configuration & PS			4x8 + 8x4 coils; BB PS & 2 Magna powers inside 8; eight BN-covered FCs Recentered 4-turn MC coil														
10		RMF system			SRS -> duty factor limiters -> AR100LM9 -> 8KD -> 200 kW home made antennas: 2-turn; cable: RG-226, 60" long														
11		Time			11:36	11:41	11:46	12:02	12:13	12:17	12:20	12:37	12:39	12:41	12:50	1:02			
12	Magnapower	L-2 Coils I (A)		150	150	200	200	200	200	200	250	300	350	400	450				
13	Big Blue	L-2 Coils I (A)		150	150	200	200	200	200	200	250	300	350	400	450				
14		Nozzle coils I (A)		100	100	100	100												
15		SEC IG (T)																	
16		SEC Slow Baratron (T)			0.004														
17		CC IG (T)																	
18		CC slow Baratron (T)			0.470	0.463	0.462	0.460								0.501			
19		FEC IG (T)			1.5	1.4	1.6	1.6								1.5-1.5			
20		FEC FB (T)			0.5	0.5	0.5	0.5								0.5			
21		Ta paddle voltage																	
22		Main valve			C														
23		Navigator valve			D														
24		End turbo valve			E														
25		Gases/feed location/sccm			Ar 1/4														
26		PV-10 (V)			1														
27		Pulse A to/Δt			1														
28		Pulse B to/Δt			1														
29		CC Pressure (mT)			Pb														
30		(Fast Baratron)			Pa														
31		170 GHz dia (mV)/IM freq																	
32	Glassman	High Voltage (kV)			16	26	16		12										
33	RMFO system		main SRS		1.8	2.3	2.3		2.3										
34		Pulse width (ms)			4.5	4.5	4.5		4.5										
35		Time between pulses (s)			1	1	1		1										
36		Frequency: Center(MHz)/Span(KHz)			1.7994	1.7994	1.7994		1.7994										
37		Phase °			83.3	96.3	96.3		96.8										
38		Pa			-9		33		32										
39		Pr (kW)			29	89	87		90										
40		OM or % reflected																	
41	Vr				2.52														
42	Vr				1.19														
43	SRS Helicon PE/Pr				0.24														
44	Helicon (SRS/mod)				40														
45	Comments/changes: for Δφ = π/2, ne = 2.1e12 cm-3 for 16-cm dia plasma																		
	sheet ___ of ___																		