

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	
1			Date:	12/12/22															
2		Run description:		FRC/RMFO being about SDD sensitivity to RMF Pickup															
3		Base pressures: SEC IG (T)																	
4		CC IG (T)																	
5		FEC IG (T)		3.3e-8															
6		SEC Slow Baratron (T)		.06/0															
7		CC Slow Baratron (T)		.0060															
8		RMF frequency & phase		1.8028															
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		10:12	10:40	10:53	11:19	11:36	11:49	12:03	12:12	12:28	12:29						
12	Magnapower	L-2 Coils I (A)	202	201		200		200		130		130							
13	Big Blue	L-2 Coils I (A)	222	227		228		228		153		153		Chuyen f					
14		Nozzle coils I (A)	102	101		100		101		100		100		E F					
15		SEC IG (T)																	
16		SEC Slow Baratron (T)		.0016	.0015		.0015		.0015		.0019		.0019	12:36:15 1.8008					
17		CC IG (T)																	
18		CC slow Baratron (T)		.222	.25		.233		.236		.47		.454	12:36:18 1.8012					
19		FEC IG (T)			6.8		6.4		6.5		13e5		13	12:37:40 1.8016					
20		FEC FB (T)		6.3e-6			e-6		e-6				25						
21		Ta paddle voltage																	
22		Main valve																	
23		Navigator valve																	
24		End turbo valve																	
25		Gases/feed location/scm		H2/SEC															
26		PV-10 (V)																	
27		Pulse A	to/Δt																
28		Pulse B	to/Δt																
29		CC Pressure (mT)		Pb															
30		(Fast Baratron)		Pa															
31	170 GHz	dia (mV)/IM freq																	
32	Glassman	High Voltage (kV)																	
33	RMFO system	main SRS		0.9	1.1	1.3		1.5	1.7		1.7								
34		Pulse width (ms)																	
35		Time between pulses (s)																	
36		Frequency: Center(MHz)/Span(KHz)		1.8028		1.8008		1.8008	1.8008										
37		Phase °																	
38		Pa																	
39		Pf (kW)																	
40		ΦM or % reflected																	
41		FEC probe		3.07	3.08	3.04		3.01											
42		CC Probe		.91	.53	.53		.54											
43		Helicon Pf/Pr																	
44		Helicon (SRS/mod)		.28	.28														
45		Comments/changes:		for Δφ = π/2, ne = 2.1e12 cm-3 for 16-cm dia plasma															
				sheet — of —															