	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1			Date:	5/15/2023														
2		Run description:	**FRC/RMFo**	RMF/BKD /	array /offt gases													
3	Base pressures: SEC IG (T)																	
4		CC IG (T)																
5		FEC IG (T)		2.8 e-7														
6	SEC Slow Baratron (T)			.0004														
7	CC Slow Baratron (T)			.001														
8	RMF frequency & phase				1.7994		MHz											
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	11:13			1530		2:15									
12	Magnapower	L-2 Coils I (A)		140			140											
13	Big Blue	L-2 Coils I (A)		150			152 100											
14		Nozzle coils I (A)																
15		SEC IG (T)		.0016			.0011											
16	SEC Slow Baratron (T)			2.44														
17		CC IG (T)																
18	CC slow Baratron (T)			.498			0.841											
19	FEC IG (T)			1.5			5.2											
20	FEC FB (T)			e-5			e-6											
21	Ta paddle voltage																	
22		Main valve		C														
23		Navigator valve		C														
24		End turbo valve		O														
25	Gases/feed location/sccm			He/CC														
26		PV-10 (V)																
27	Pulse	A	to/Δt															
28		B	to/Δt															
29	CC Pressure (mT)		P_b							~5%								
30	(Fast Baratron)		P_a															
31	**170 GHz**	dia (mV)/IM freq																
32	**Glassman**	High Voltage (kV)		17.0						RGA								
33	**RMFo system**	main SRS																
34		Pulse width (ms)																
35	Time between pulses (s)									1.2%								
36	Frequency: Center(MHz)/Span(KHz)									Av								
37		Phase °																
38		P_a																
39		P_f (kW)																
40	ΦM or % reflected																	
41		FEC probe		2.002			2.11											
42		CC Probe		.482			.756											
43	Helicon Pf/Pr																	
44	Helicon (SRS/mod)			2.0	no mod		2.0											
45	Comments/changes:	for Δφ = π/2, n_e =2.1e12 cm-3 for 16-cm dia plasma															sheet __ of __	