

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1			Date:	2/13/20														
2			Run description:	FRC/RMFO	test	noise	for	S.D.D										
3			Base pressures: SEC IG (T)	4.2 e-7														
4			CC IG (T)	2.1 e-6														
5			FEC IG (T)	3.5 e-7														
6			SEC Slow Baratron (T)	0.0101														
7			CC Slow Baratron (T)	0.0003														
8			RMF frequency & phase															
9			Magnet configuration & PS	4x8 + 8x4 coils; BB PS; eight BN-covered FCs	Recentered 4-turn MC coil													
10			RMF system	SRS-> duty factor limiter -> AR100LM9 -> 8KD -> 200 kW home made	antennas: 2-turn, RG-XXX, 60" long													
11			Wall Time	9.43	1.00	12.10	1.34		1.42		1.48		1.53	2.10	2.13	2.14	2.26	2.29
12	Magnapower	L-2 Coils I (A)	4						150		151		151	151	151	200	240	240
13	Big Blue	L-2 Coils I (A)	4						191		194		326	322	323	323	321	322
14		Nozzle coils I (A)	4						97		97		97	96	96	96	95	95
15		SEC IG (T)	4.2 e-7															
16		SEC Slow Baratron (T)	0.0101						0.115				0.115				0.115	
17		CC IG (T)	2.1 e-6															
18		CC slow Baratron (T)	0.0001						0.441				0.459				0.452	
19		FEC IG (T)	3.5 e-7						2.2				2.1				2.1	
20		FEC FB (T)							2.3				2.3				2.3	
21		Ta paddle voltage																
22		Main valve	4															
23		Navigator valve	4															
24		End turbo valve	4															
25		Gases/feed location/sccm	2.0															
26		PV-10 (V)																
27		Pulse A to/Δt																
28		B to/Δt																
29		CC Pressure (mT)	Pb															
30			Pa															
31	170 GHz	dia (mV)/IM freq																
32	Glassman	High Voltage (kV)	10.5 kV						10.5 kV									
33	RMFO system	main SRS	0.53	0.53	0.60	0.70			0.70	0.84	0.94	0.98	0.98	0.98		0.98		
34		Pulse width (ms)	3						3		3							
35		Time between pulses (s)	1.013						1.013									
36		Frequency: Center(MHz)/Span(KHz)	4.306						4.306									
37		Phase °	4.306															
38		Pa							8	8		10	18	17		17		
39		Pr (kW)	1 kW	2 kW	15.5	18 kW			20	35	52	60	60	60		60		
40		ΦM or %reflected																
41		FEC probe																
42		CC Probe																
43		Helicon Pf/Pr																
44		Helicon (SRS/mod)																
45		Comments/changes:	for Δφ = π/2, ne = 2.1e12 cm-3 for 16-cm dia plasma															