

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1			Date:	8/2/21														
2			Run description:	FRC/RMFO	after opening Lots of 28 & 32 in RGA1													
3			Base pressures: SEC IG (T)															
4			CC IG (T)	9.9e-6														
5			FEC IG (T)	2.1e-6														
6			SEC Slow Baratron (T)	1.0003														
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	2 pm 2:31														
12			Magnapower L-2 Coils I (A)															
13			Big Blue L-2 Coils I (A)	234														
14			Nozzle coils I (A)	103														
15			SEC IG (T)															
16			SEC Slow Baratron (T)	1.00031														
17			CC IG (T)															
18			CC slow Baratron (T)	1.882														
19			FEC IG (T)	4.8														
20			FEC FB (T)	2.5														
21			Ta paddle voltage															
22			Main valve															
23			Navigator valve															
24			End turbo valve															
25			Gases/feed location/sccm	A-SES														
26			PV-10 (V)															
27			Pulse A to/Δt															
28			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														
34				Pulse width (ms)														
35				Time between pulses (s)														
36				Frequency: Center(MHz)/Span(KHz)														
37				Phase °														
38				Pa														
39				Pf (kW)														
40				ΦM or % reflected														
41				FEC probe														
42				CC Probe														
43				Helicon Pf/Pr	40/2													
44				Helicon (SRS/mod)	1.0%													
45			Comments/changes:	for Δφ = π/2, ne = 2.1e12 cm-3 for 16-cm dia plasma														