

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1			Date:	9/16/2022														
2			Run description:	FRC/RMFO	Raman + helicon	TS	sg											
3			Base pressures: SEC IG (T)															
4			CC IG (T)															
5			FEC IG (T)	6e-7														
6			SEC Slow Baratron (T)															
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														
10			RMF system	SRS -> duty factor limiters -> AR100LM9 -> 8KD -> 200 kW home made														
11			Time															
12	Magnapower	L-2 Coils I (A)		Redo	11:40	→	12:35	12:40	1:00	1			1:40	2:00	2:23	2:40		2:52
13	Big Blue	L-2 Coils I (A)		Raman					200				198	198				Notate
14		Nozzle coils I (A)		thin					221				331	330				1/2 turn
15		SEC IG (T)		helicon					180				160	229				1/2 plate
16		SEC Slow Baratron (T)			PA	10.0 FT												
17		CC IG (T)				10 T												
18		CC slow Baratron (T)																
19		FEC IG (T)																
20		FEC FB (T)																
21		Ta paddle voltage																
22		Main valve																
23		Navigator valve																
24		End turbo valve																
25		Gases/feed location/sccm																
26		PV-10 (V)																
27		Pulse A to/Δt																
28		B to/Δt																
29		CC Pressure (mT)																
30		(Fast Baratron)																
31		170 GHz																
32		Glassman																
33		RMFO system																
34		Pulse width (ms)																
35		Time between pulses (s)																
36		Frequency: Center(MHz)/Span(KHz)																
37		Phase °																
38		Pa																
39		Pr (kW)																
40		OM or % reflected																
41		FEC probe																
42		CC Probe																
43		Helicon Pf/Pr																
44		Helicon (SRS/mod)																
45		Comments/changes:																

for  $\Delta\phi = \pi/2$ ,  $n_e = 2.1 \times 10^{12} \text{ cm}^{-3}$  for 16-cm dia plasma

direct 2 coupler  $H_2$   $DE = 2.184$   $Pr$   $2.147$   $1.55$   $2.064$   $2.074$

sheet \_\_\_ of \_\_\_