

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1		Date:	2/14/20														
2		Run description:	FRC/RMFO	for by AC pickup													
3		Base pressures: SEC IG (T)	5.34-7														
4		CC IG (T)	2.22-6														
5		FEC IG (T)	4.1-7														
6		SEC Slow Baratron (T)	10.007	11.6 years													
7		CC Slow Baratron (T)	10.008														
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	9:42	9:56	10:30	10:43	10:50	10:58	11:10	11:14	11:24						
12		Magnapower L-2 Coils I (A)	18.5	18.0	18.2	18.2	18.2	18.3	18.3	18.3	18.3						
13		Big Blue L-2 Coils I (A)	18.1	18.1	18.5	18.2	18.2	18.2	18.2	18.2	18.2						
14		Nozzle coils I (A)	10.6	10.7	10.6	10.6	10.6	10.6	10.6	10.6	10.6						
15		SEC IG (T)	10.007	10.007	10.007	10.007	10.007	10.007	10.007	10.007	10.007						
16		SEC Slow Baratron (T)	10.008	10.008	10.008	10.008	10.008	10.008	10.008	10.008	10.008						
17		CC IG (T)	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22						
18		CC slow Baratron (T)	10.007	10.007	10.007	10.007	10.007	10.007	10.007	10.007	10.007						
19		FEC IG (T)	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1						
20		FEC FB (T)	10.007	10.007	10.007	10.007	10.007	10.007	10.007	10.007	10.007						
21		Ta paddle voltage															
22		Main valve	C	C	C	C	C	C	C	C	C						
23		Navigator valve	C	C	C	C	C	C	C	C	C						
24		End turbo valve	C	C	C	C	C	C	C	C	C						
25		Gases/feed location/scdm	Ar/H ₂	Ar/H ₂	Ar/H ₂	Ar/H ₂	Ar/H ₂	Ar/H ₂	Ar/H ₂	Ar/H ₂	Ar/H ₂						
26		PV-10 (V)															
27		Pulse A to/Δt															
28		Pulse B to/Δt															
29		CC Pressure (mT)															
30		(Fast Baratron)															
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		Pr (kW)															
40		Qm 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															