Row	Label	Data
1	**Date:**	2/12/20
2	Run description: **FRC/RMF₀**	
3	Base pressures: SEC IG (T)	6.1
4	CC IG (T)	5.1e-8
5	FEC IG (T)	5.6e-9
6	SEC Slow Baratron (T)	.010
7	CC Slow Baratron (T)	.018
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	1:03 1:15 1:30 1:34
12	Magnapower L-2 Coils I (A)	258 260 210 205 ... 2:32
13	Big Blue L-2 Coils I (A)	280 300 400 396 2:80
14	Nozzle coils I (A)	342 343 343 726 423 316
15	SEC IG (T)	105 102 102 102 102 102
16	SEC Slow Baratron (T)	
17	CC IG (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) Pb	
30	(Fast Baratron) Pa	
31	**170 GHz** dia (mV)/IM freq	
32	**Glassman** High Voltage (kV)	11
33	**RMFo system** main SRS	.500 53 .550 .620 1670 64U
34	Pulse width (ms)	3 .64 .69
35	Time between pulses (s)	1.013 2 5 10 16 1.05
36	Frequency: Center(MHz)/Span(KHz)	43.365
37	Phase °	
38	Pa	
39	Pf (kW)	230 2 5 10 16 1
40	ΦM or % reflected	25%
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	

Row	Label	Value
2	**Date:**	2/14/20
3	Run description:	**FRC/RMFo**
3	Base pressures: SEC IG (T)	
4	CC IG (T)	
5	FEC IG (T)	
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 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	2.47
12	Magnapower L-2 Coils I (A)	215
13	Big Blue L-2 Coils I (A)	0
14	Nozzle coils I (A)	102
15	SEC IG (T)	
16	SEC Slow Baratron (T)	
17	CC IG (T)	
18	CC slow Baratron (T)	
19	FEC IG (T)	
20	FEC FB (T)	
21	Ta paddle voltage	
22	Main valve	$\sqrt{8}$
23	Navigator valve	$\sqrt{8}$
24	End turbo valve	2
25	Gases/feed location/sccm	H/H
26	PV-10 (V)	
27	Pulse A $t_o/\Delta t$	
28	B $t_o/\Delta t$	
29	CC Pressure (mT) P_b	
30	(Fast Baratron) P_a	
31	170 GHz dia (mV)/IM freq	
32	Glassman High Voltage (kV)	
33	**RMFo system** main SRS	750
34	Pulse width (ms)	10
35	Time between pulses (s)	1.123
36	Frequency: Center(MHz)/Span(KHz)	
37	Phase °	
38	P_a	7
39	P_f (kW)	30.2
40	Φ_M or % reflected	20%
41	FEC probe	
42	CC Probe	
43	Helicon Pf/Pr	
44	Helicon (SRS/mod)	
45	Comments/changes: for $\Delta\phi = \pi/2$, $n_e = 2.1\mathrm{e}12$ cm-3 for 16-cm dia plasma	

sheet ___ of ___