

19810817 ILAND. RADAR

Dennis Fairbairn Radar & Calibration

Forward Power at J1505 in MW .92
Reverse .17

~~Measured~~ Fwd Power

Average power FWD 201.3 WATTS

Peak Power 306.8 Watts

VSWR 1.18:1

Power correction -126 DB

Loss 1 -85.7

2 -53.2

3 -42.7

4 -37.7

5 -32.7

6 -26.7

2.8 cable
15.1 coupler
~~3.0 cable~~

add 18 DB to
Sig gen
cable coupler
& gen

S 117/81
CASSI IT 1

tape 29

level (°)	time	elev.
0	204300 Z	36.8
1	204320 Z	37.2
2	204339 Z	38.1
3	204400	38.6
4	204418	40.8 (39.6)
5	204438	41.8
6	204458	42.0 (40.8)
7	204518	43.0 (41.3)
8	204538	43.5 (41.9)
9	204559	44.9 (42.5)
10	204619	45.9 (43.3)
	204642	back to zero
	204550	36.9
	204709	stop tape

2

3

0	214600	36.7	0	224131	37.5
1	4617	38.0	1	4230	38.0
2	4645	39.0	2	4249	38.3
3	4707	39.8	3	4314	39.2
4	4726	40.7	4	4339	41.0
5	4750	42.1	5	4400	41.6
6	4808	42.4	6	4420	42.5
7	4828	43.4	7	4439	43.0
8	4848	44.1	8	4501	44.0
9	4908	44.5	9	4538	44.8
10	4928	45.2	10	4559	45.3

Tape 3 cont.

233555

2 sleepers

234545

234910

EOF

779

044336

0	4344	37.5
1	4427	38.1
2	4447	39.2
3	4512	38.7
4	4531	39.4
5	4549	40.1
6	4609	41.2
7	4628	41.9
8	4648	42.3
9	4707	43.3
10	4727	44.5

#5

ON	004250	
0	4302	36.9
1	4326	37.6
2	4405	38.2
3	4425	38.8
4	4445	39.5
5	4505	40.0
6	4525	40.9
7	4545	41.6
8	4605	42.3
9	4624	43.3
10	4644	44.2

#6
014233
~~014139~~
014300

0	4300	36.9
1	4321	37.8
2	4342	38.8
3	4403	39.3
4	4427	39.9
5	4445	40.5
6	4504	41.5
7	4520	42.2
8	4540	43.0
9	4602	43.6
10	4618	44.4

#7

025454

0	5501	37.0
1	5527	38.0
2	5557	38.8
3	5627	39.9
4	5656	40.6
5	5725	41.0
6	5754	42.2
7	5824	42.8
8	5853	43.5
9	5920	43.9
10	5947	44.5

034925

0	4930	38.1
1	4955	38.8
2	5015	39.4
3	5036	40.2
4	5057	39.
5	5115	41.0
6	5133	41.8
7	5155	42.0
8	52	
9	5232	44.0
10	5252	44.8

8/17/81

Tape 1

174010Z

Tape 2

182540

2 SWEEPS

183500

"

184515

"

185640

ON CONTROLLER, EL. ANG.

190516

JUMPS TO $\sim 43^\circ$ BETW

191516

310° & 300° OTHERWISE,

192504

IT VARIES FROM ~ 36.8

193505

at $188-150^\circ$ TO

194717

~~194505~~

~ 38.8 at $350^\circ-330^\circ$.

195502

200642

201500

202718

203517

205500

210516

211500

212518

213518

214515

221100 - EOT

Tape 3

221510

2 SWEEPS

222501

223625

225705

230500

231501

232503

EL. 38.7

CAPP1 #1

#2

0	204319	36.8
1	4344	38.0
2	4409	39.7
3	4431	40.7
4	4451	41.4
5	4512	
6	4544	42.0
7	4608	43.0
8	4628	43.8
9	4652	44.8
10	4718	
0	4747	37.6

0	214518	36.9
1	4555	37.4
2	4618	38.2
3	4639	38.7
4	4658	39.8
5	4719	40.0
6	4738	40.8
7	4758	41.6
8	4818	42.3
9	4838	42.8
10	4857	43.5
0	4933	36.8

#3

0	224632	36.8
1	4656	37.4
2	4715	38.1
3	4736	38.8
4	4755	39.5
5	4815	40.2
6	4835	40.8
7	4856	41.4
8	4915	42.5
9	4935	43.3
10	4954	43.8
0	5016	

#4 234325

0	4338	37.0
1	4412	37.8
2	4430	38.2
3	4450	38.9
4	4510	39.6
5	4529	40.2
6	4550	41.0
7	4608	41.8
8	4628	42.5
9	4649	43.2
10	4709	44.0

THINK WE'RE 1 HOUR FAST
GMT.

Dennis

TAPE 1	approx 0730 - 0806	
Tape 2	approx 0809 - in Trash	
TAPE 3	RAOBS 835 - 090340	
TAPE 4	090704 - BOMBED	
TAPE 4	091620	
	STOPPED AT 0923 FOR OBS - RESTARTED AT 092430 094520 - STARTED END	
TAPE 5	¹³ 14 5010 - WENT TO GMT - 151645	
TAPE 6	151940 STOPPED @ 1527 FOR OB	
	152900 RESTARTED #6 154910 - ENDED	
TAPE 7	155200	161850
TAPE 8	162140	164910
TAPE 9	165240	171905
TAPE 10	172605	175330
Tape 11	175645	182330
Tape 12	182730	STOPPED 184910 FOR OBS
	185310 - RESTARTED	185845 - ENDED
TAPE 13	190140	192640 - STOPPED FOR OB
		193735 - END
TAPE 14	194430 194050	200545
TAPE 15	200900	203730
TAPE 16	204200	210900
17	211215	214000
18	214415	221000
19	COMMENCED RECORDING 2 SWEEPS / ~5 MIN TO CONSERVE TAPES	

Tape A

222000

2 Sweeps

223025

"

223500

"

224015

"

224516

"

225507

"

230140

"

230501

"

231000

2310445

232000

233012

233530

234008

235004

235500

~~240001~~

000500

001000

001501

002001

0025

antenna stopped

~~201~~

0025 antenna stopped then I

kicked the power switch off &

had to mount new tape Reset Time?

Tape 20

003045

2 SWEEPS

003581

0040

0045-0047

CAPP1 #15

005515

2 SWEEPS

010050

BEGAN RECORDING EVERY

10 MINUTES

011008

"

012008

"

013012 -

014004

020004

1.5 SWEEPS (DATE STOPPED ANTENNA)

021001

022011

023000

024030

~~02~~

031001

033015

034220

034925 - START TAPE 21

040320

041045

042015

043001

044010

050001

051625

OFF AT 051715