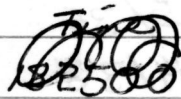
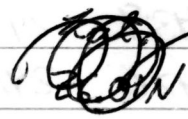
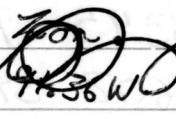


19770901I - ~~ES~~ RADAR

Flight 770901I

Tail radar - have oscillations in the range marks.

Consulted a technician & was told that it had a bad power source. Also the scope does not have a very good return, so pictures will not be very good.

							
Pic.	Time	Hdg	RR	Lat	Lon	WD/WS	Sc.
1 st	182500	270.9	5780M.	26.01W	91.36W	123/14	PPI

Range on PPI = 100 miles Tilt = +5°

Range on Tail = 30 miles Tilt = ±0°

2.	184305	263.8	321	26.01W	93.10W	124/19	PPI
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Still have alot of sea clutter with the tilt at +5°.

But I feel I would loose to ~~much~~ many of the echoes by raising the tilt, so am leaving at +5°.

3	185325	216.2	310M	25.62W	93.63W	131/23	RHI
4	190000	196.5	317M	25.27W	93.90W	134/20	PPI
5	190400	223.0	330M	25.08N	94.09W	143/18	PPI

Pilots nose radar went out, so navigator has control of the PPI for probably the duration of the flight.

6	190930	257.0	325M	25.03N	94.48W	165/20	PPI
7	191230	253.0	318M	25.01N	94.69W	161/26	PPI
8	191600	251.0	332M	24.99N	94.94W	170/25	NO
9	181835	249.0	317M	24.98N	95.09W	170/33	RHI

RADAR DATA - 111000Z

Lin	Time	Hdg	RA	Zat	hcn	NO/WS	Scope
10	192400		Computer update down				
11	192800		"	"	"	In the eye	RHI
12	193242	78°	355	24.91	95.67	182/03	Nose
13	193700	288	502	24.91	95.86	345/55	NOSE
14	194145	279.1	317	24.87	96.15	340/42	RHI
15	194630	140.0	426	24.67	96.18	311/40	Nose
16	194910	167.0	410	24.49	96.03	278/37	RHI
17	195345	90.8	439	24.32	95.81	265/36	PPI
18	195602	344.7	426	24.41	95.69	244/38	Nose RHI
19	195809	345.1	353	24.55	95.69	240/49	Nose
20	200800	355.0	471	24.98	95.71	122/45	RHI
21	201200	Computer update down at					RHI
		201505 back up at 201545					
21	201630	20.2	391	25.51	95.75	78/42	PPI
22	202030	243.0	346	25.55	95.99	66/41	PPI
23	202330	223.0	339	25.42	96.22	50/38	NOSE
24	202630	193.5	329	25.20	96.35	24/38	NOSE
25	202930	161.3	302	24.96	96.35	353/42	NOSE
26	203530	112.0	323	24.54	96.05	284/43	RHI
27	204030	90.6	299	24.49	95.76	255/44	Nose
28	204524	90.6	316	24.49	95.76	246/38	PPI
29	204752	90.6	361	24.49	95.76	248/42	PPI
30	205035	92.0	387	24.49	95.76	180/27	PPI

Pic	Time	Hdg	RA	Lat	Lon	WD/WS	Scope
31	211600	163.3	403	24.84	94.83	167/25	PPI
32	212400	272.3	359	24.79	95.18	177/34	PPI
33	213030	314.5	315	25.19	95.51	124/40	Nose
34	213430	271.0	332	25.30	95.83	91/48	RHI
35	213800	268.7	317	25.27	96.18	49/48	PPI
36	214130	220.1	321	25.05	96.39	13/45	RHI
37	214530	258.7	376	24.91	96.66	351/37	PPI
38	214900	213.0	372	24.81	96.86	342/30	PPI
39	215230	140.1	353	24.58	96.70	322/34	Nose
40	215800	104.7	334	24.29	96.34	291/35	Nose
41	220330						PPI
42	220530	Computer update down 220558					PPI
43	220630	up 220955					
41	221100	54.7	322	24.69	95.42	183/38	RHI
42	221400	86.8	376	24.75	95.21	163/28	PPI
43	221730	330.3	344	24.98	95.29	142/30	PPI
44	222230	304.4	365	25.30	95.39	114/32	PPI
45	222530	314.9	349	25.38	95.61	92/35	Nose
46	222800	344.2	364	25.54	95.72	93/31	PPI
47	223030	253.9	362	25.54	95.92	74/37	Nose
48	223330	Computer update down 223324					PPI
		up 223640					
48	223700	225.7	370	25.50	96.48	41/32	PPI
49	224300	204.5	359	25.18	96.73	24/36	PPI
50	224530	189.2	337	24.99	96.78	5/38	Nose

P	T	Hdg	RF	LBT	LON	WD/NS	Scope
51	224900						Nose
51	225200	77.0	313	24.78	96.41	3/58	Nose
52	225300	78.1	331	24.75	96.23	2/58	Nose
53	230500	83.0	439	24.80	95.57	155/34	PPI
54	230730	76.3	439	24.87	95.42	148/35	PPI
55	230930	91.4	439	24.89	95.31	148/34	PPI
56	231130						PPI
56	010811	89.4	1534	26.04	85.72	274/21	PPI

For picture 56 the tilt is $+2\frac{1}{2}^\circ$