

JAMAICA'S PRESENT ADS-B TRIALS LOOKING BEYOND RADAR



STATION ACQUISITION

- Acquisition of ADS-B System
- Installed and commissioned in 2009
- Existing Configuration
- Implementation
- Upgrading existing Automation system

SITE LOCATION/TEST BED



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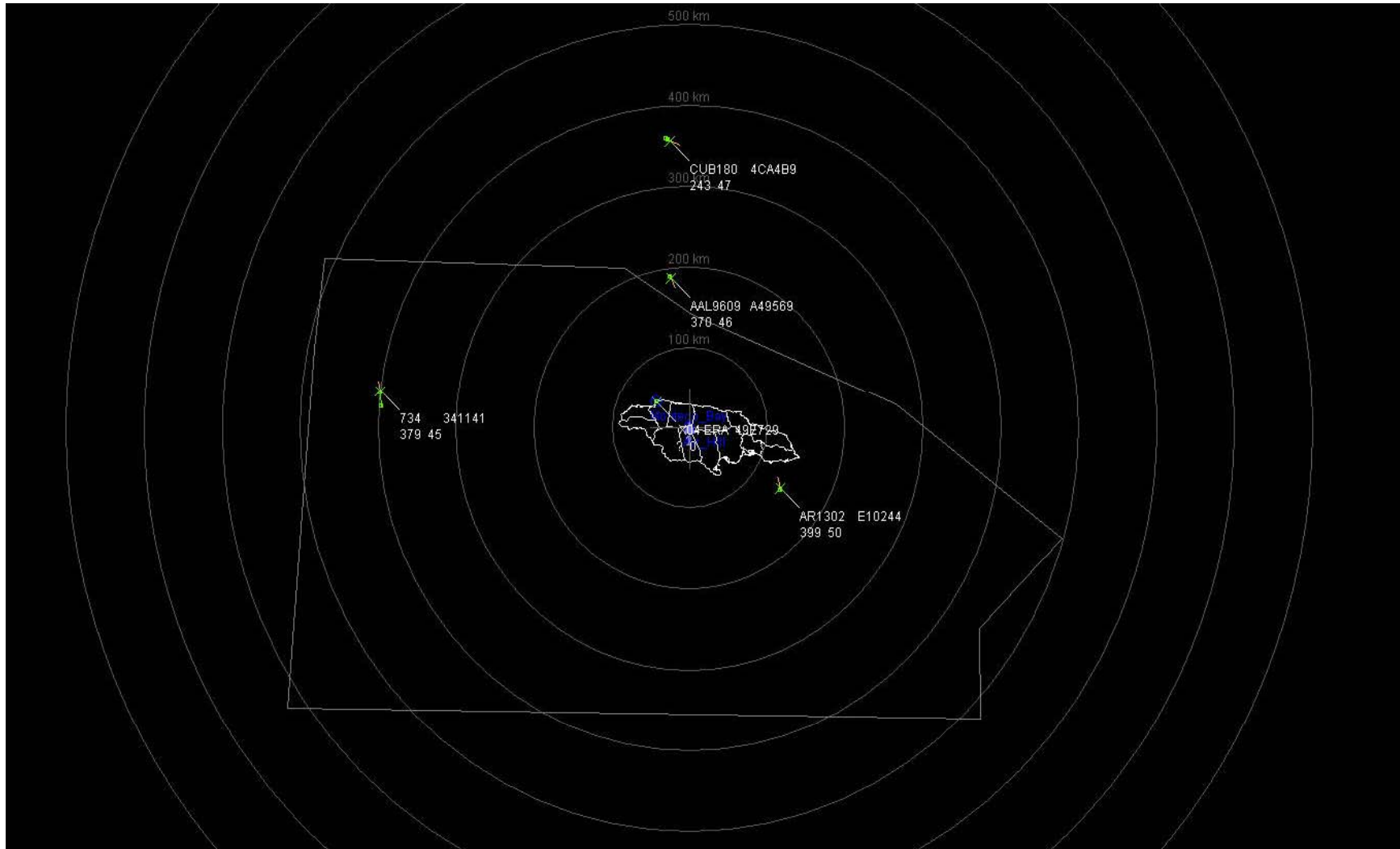
TEST BED CONTINUED



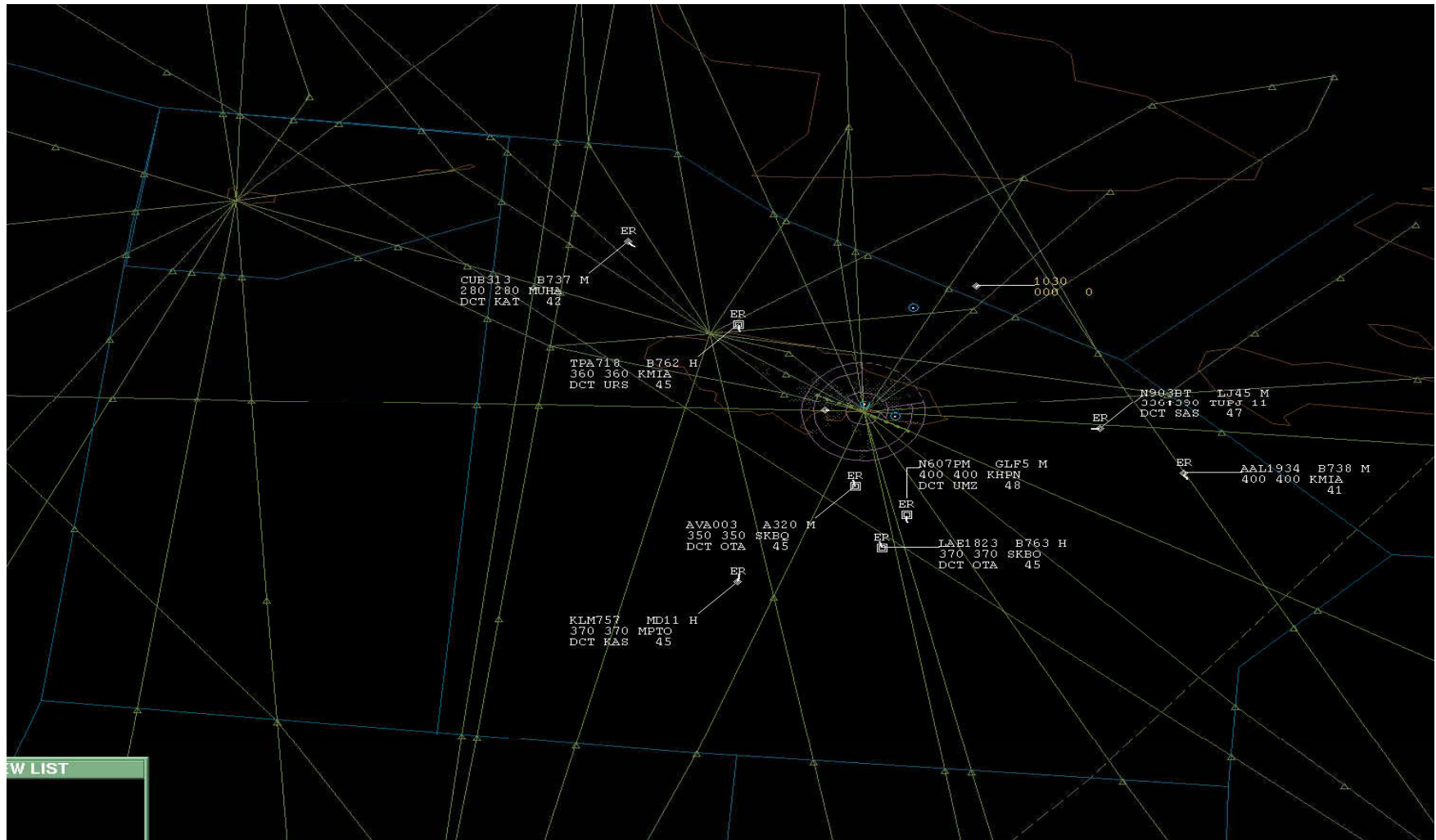
TEST BED CONTINUED



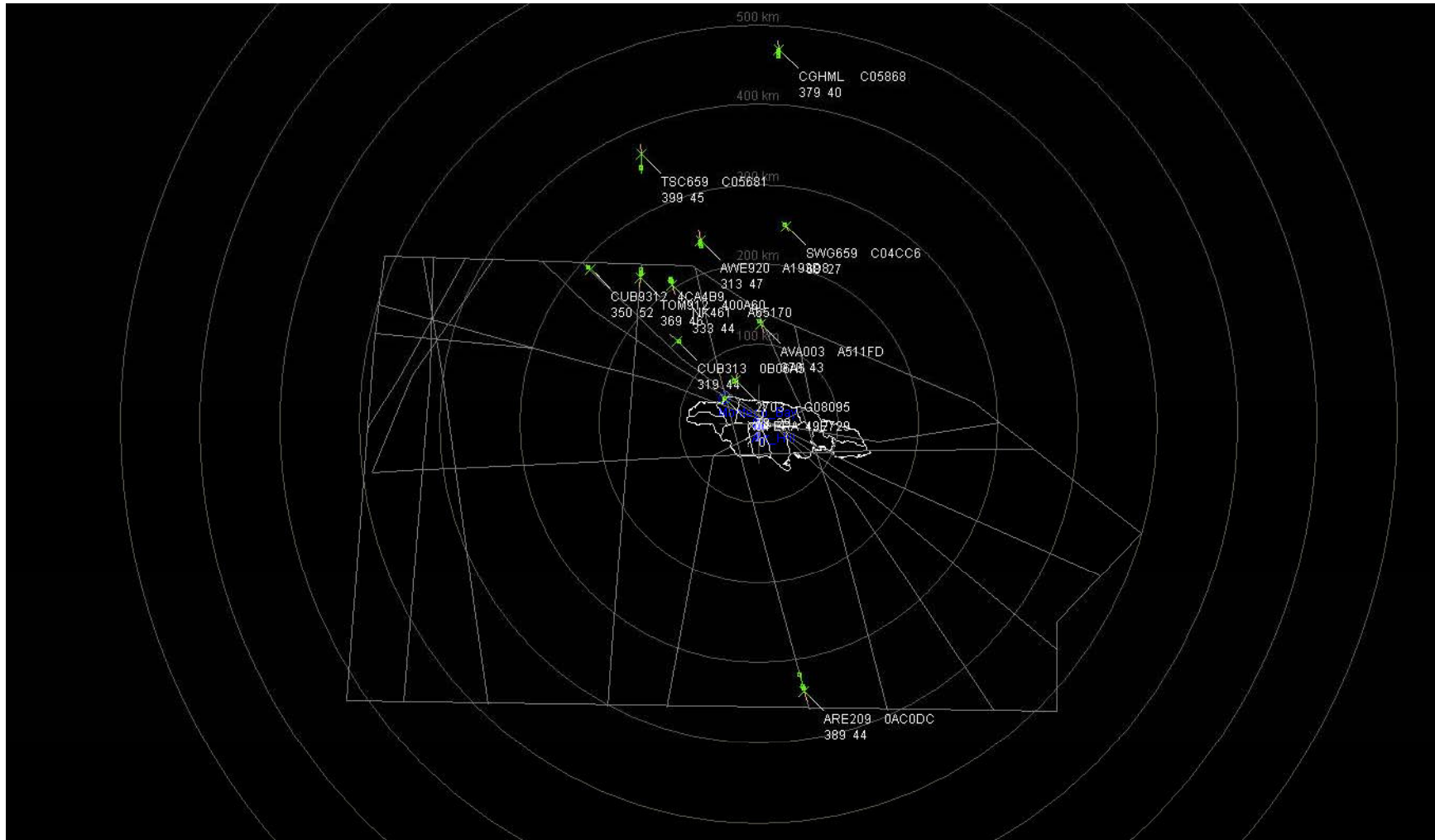
ADS-B COVERAGE February 2010 am



RADAR COVERAGE February 2010 am



ADS-B COVERAGE February 2010 pm



SIMPLE ANALYSIS

Date	Time	Radar	MLAT	Percentage Equipage
9/8/2010	11:10	34	15	44%
10/8/2010	10:54 AM	32	13	40.60%
11/8/2010	5:08	22	10	45%
12/8/2010	2:20	19	9	47%
13/8/2010	4:13	22	13	59%
16/8/2010	9:57	23	8	35%
17/8/2010	4:39	23	11	47%
19/8/2010	2:32	22	9	41%
20/8/2010	12:39	13	6	46%
23/8/2010	10:34	19	9	47%
24/8/2010	3:31	22	10	50%
25/8/2010	11:50	20	12	45%
27/8/2010	9:44	17	7	41%
Average MLAT Equipage over Period				45.2

ANALISIS CONTINUED 2011

MLAT/ADSB

ADSB TARGETS

Date	Time	A/C ID	Altitude	Position	Speed
7/4/2011	11:05	AVA 021	41,000		460
"	"	AAL913	37900		480
"	"	NKS237	35000		440
"	"	NKS807	36900		430
"	"	SCY8735	19900		410
"	"	AVA043	37000		430
"	"	BWA414	14000		200
"	"	8473	32900		470
"	"	COA1022	31900		470
"	"	BWA30	38900		430
"	"	AVA002	33900		430
"	"	AR1303	32900		470
"	"	COA851	18200		360

ANALYSIS Cont,d 2011

"	"	COA851	4000		
"	"	NKS807	37000		370
"	"	NKS237	35000		350
"	"	DAL317	9400		
"	"	CWC441	33300		330
"	"	JBU1721	26700		150
"	"	NKS859	35000		350
"	"	JBU868	31800		320
"	"	JBU1784	38000		380
"	"	AJT8112	40000		400
"	"	AVA002	34000		340
"	"	TRS1068	34000		150
"	"	AWE1228	38000		320
"	"	SCX8735	38000		300
"	"	CMP280	30000		300

ANALYSIS CONTINUED 2011

MLAT/ADSB

RADAR TARGETS

Date	Time	A/C ID	Altitude	Position	Speed
4-Jul-11	11:05	AVA030	34000		340
"	"	AVA036	34000		340
"	"	AVA286	36000		360
"	"	COA1022	32000		320
"	"	DAL444	36000		360
"	"	TUS8473	33000		330
"	"	AVA043	37000		370
"	"	AAL1047	39000		390
"	"	AAL1723	13400		50
"	"	COA1004	38800		380
"	"	ARC1303	33300		330
"	"	BWA30	17000		130

ANALYSIS Contd

MLAT/ADSB

RADAR

Date	Time	A/C ID	Altitude	Position	Speed
12-Jul-11	3:00 PM	N795 FM	39000		390
"	"	AVA035	35000		350
"	"	LCO1106	34000		340
"	"	IBE6314	35000		350
"	"	AAL2242	34000		340
"	"	N809BA	40000		400
"	"	5000	1500		11
"	"	5077	?		?
"	?	CAY614	3100		?
"	"	SCX8734	8500		?
"	"	N808DT	?		?
"	"	ACA983	10500		340
"	"	CWC441	33000		330
"	"	AWE1232	18000		340
"	"	AAL994	40000		400
"	"	JBU1696	36000		380

ANALYSIS Contd.

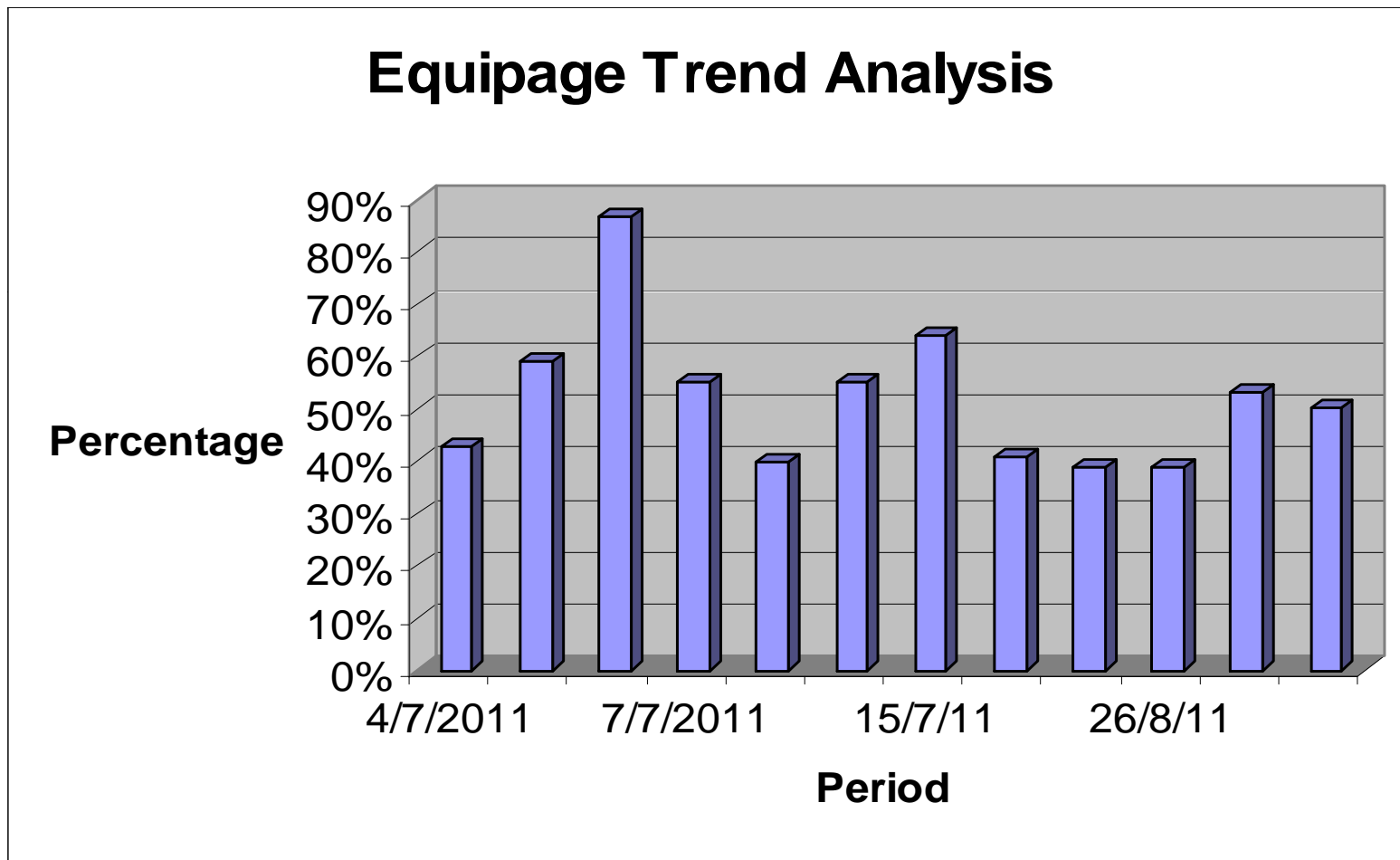
MLAT/ADSB

Date	Time	A/C ID	Altitude	Position	Speed
12-Jul-11	3:00 PM	LNE 517	37000		470
"	"	ARE209	35000		460
"	"	AAL994	39900		430
"	"	AVA035	35000		480
"	"	IBE6314	35000		450
"	"	X04ERA	?		?
"	"	SCX8734	23900		399
"	"	AWE0860	31900		450

SUMMARY OF ANALYSIS

Date	Time	Radar	ADS-B	Percentage Equipage
4/7/11	11:30am	30	13	43%
5/7/11	2:49pm	17	10	59%
6/7/11	11:10am	16	14	87%
7/7/11	2:31pm	11	6	55%
12/7/11	3:00pm	20	8	40%
13/7/11	9:00am	11	6	55%
15/7/11	3:48pm	22	14	64%
23/8/11	8:50am	17	7	41%
24/8/11	11:00am	46	18	39%
26/8/11	5:30pm	23	9	39%
27/8/11	6:00pm	17	9	53%
28/8/11	8:30am	14	7	50%
Average				52%

Summary Cont'd





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END