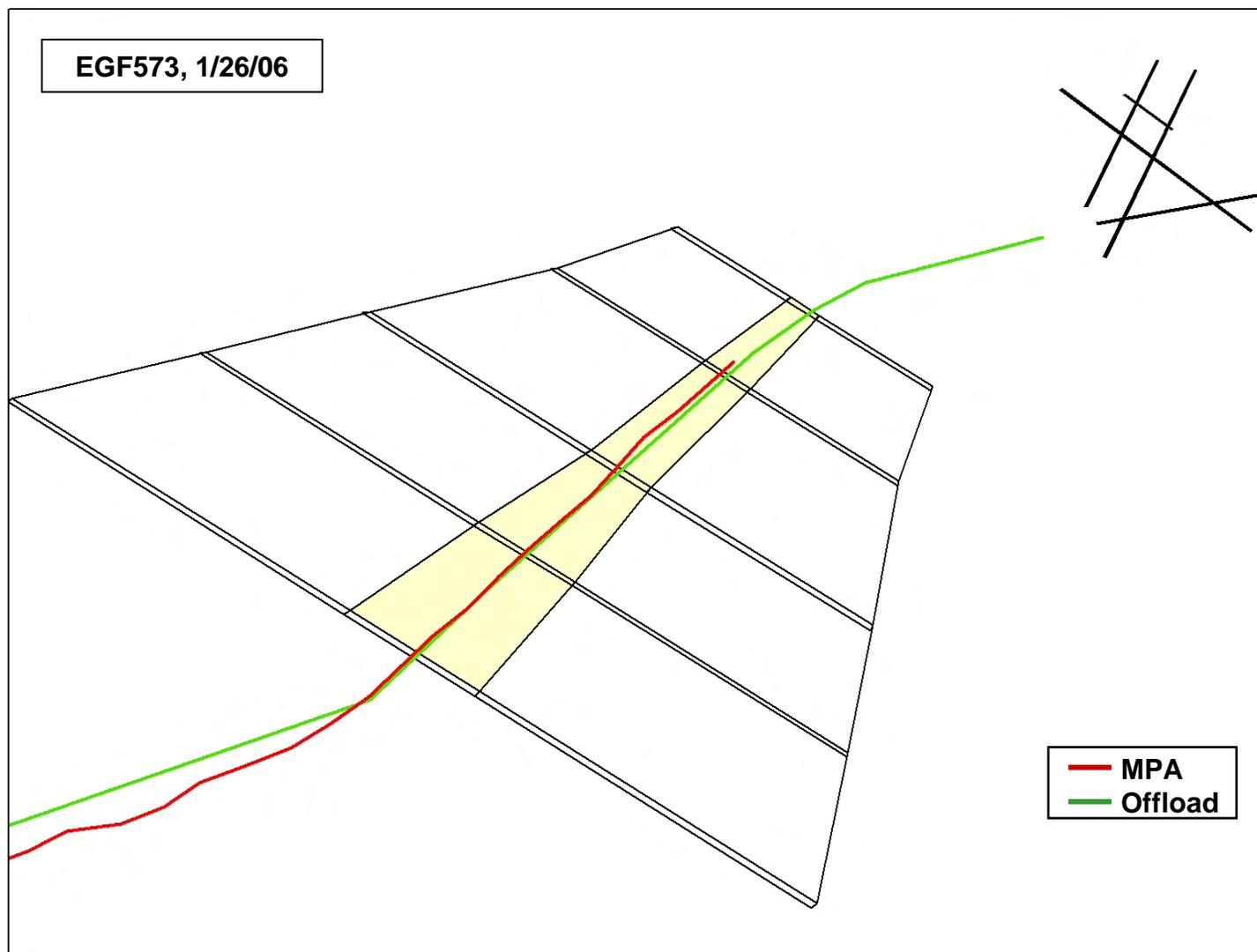


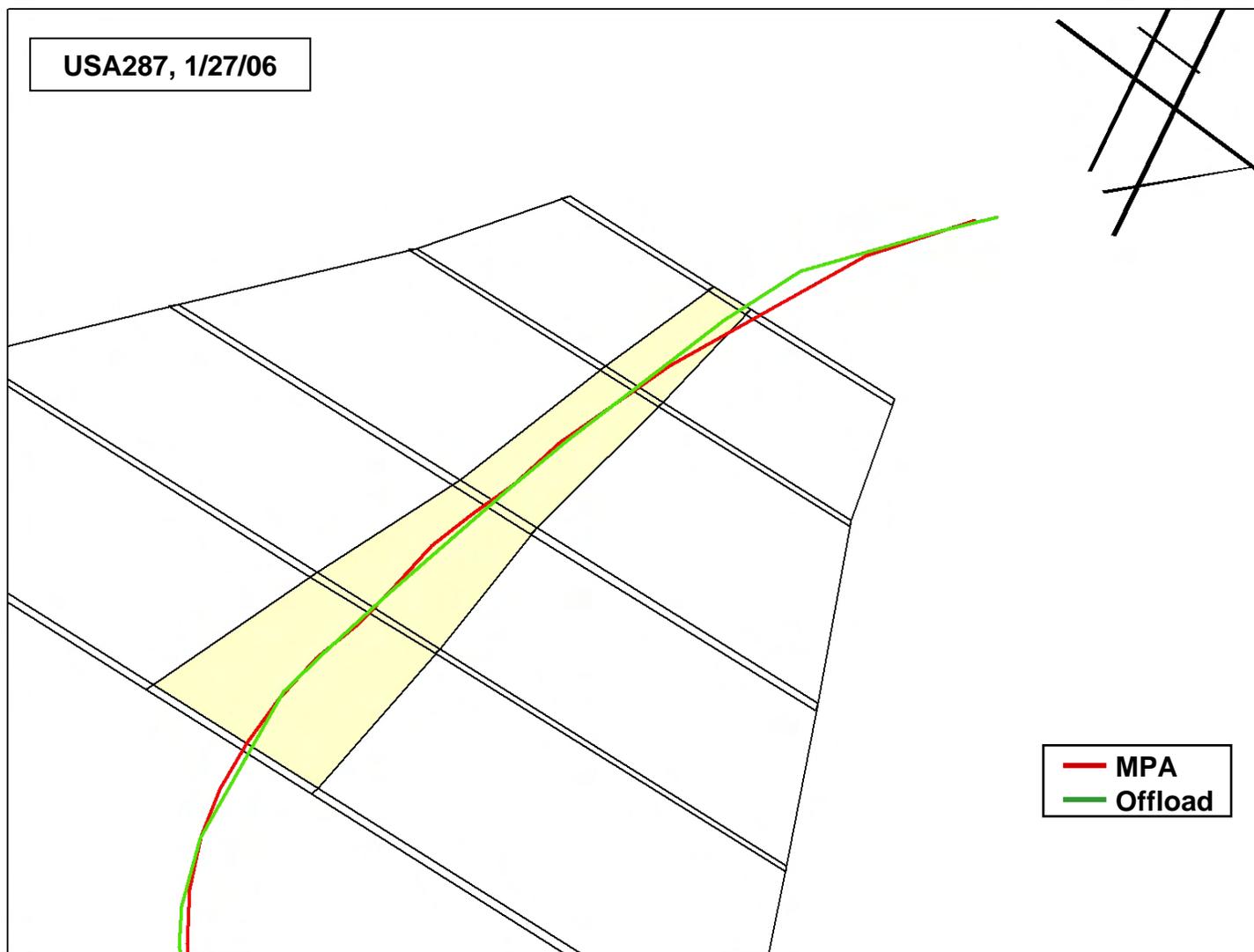


MPA Non-Compliant Tracks Identified as Compliant Using Offload



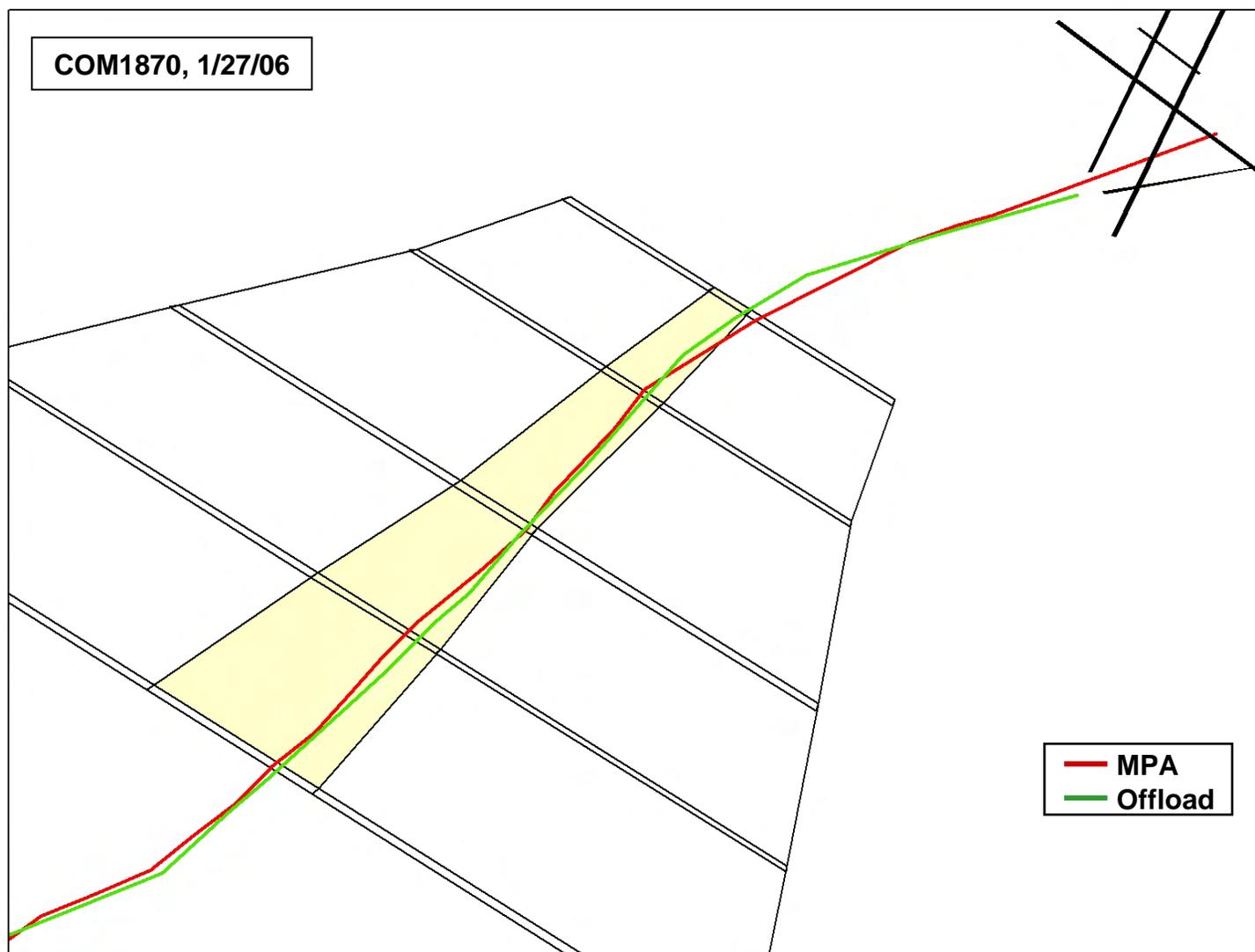


MPA Non-Compliant Tracks Identified as Compliant Using Offload (*continued*)



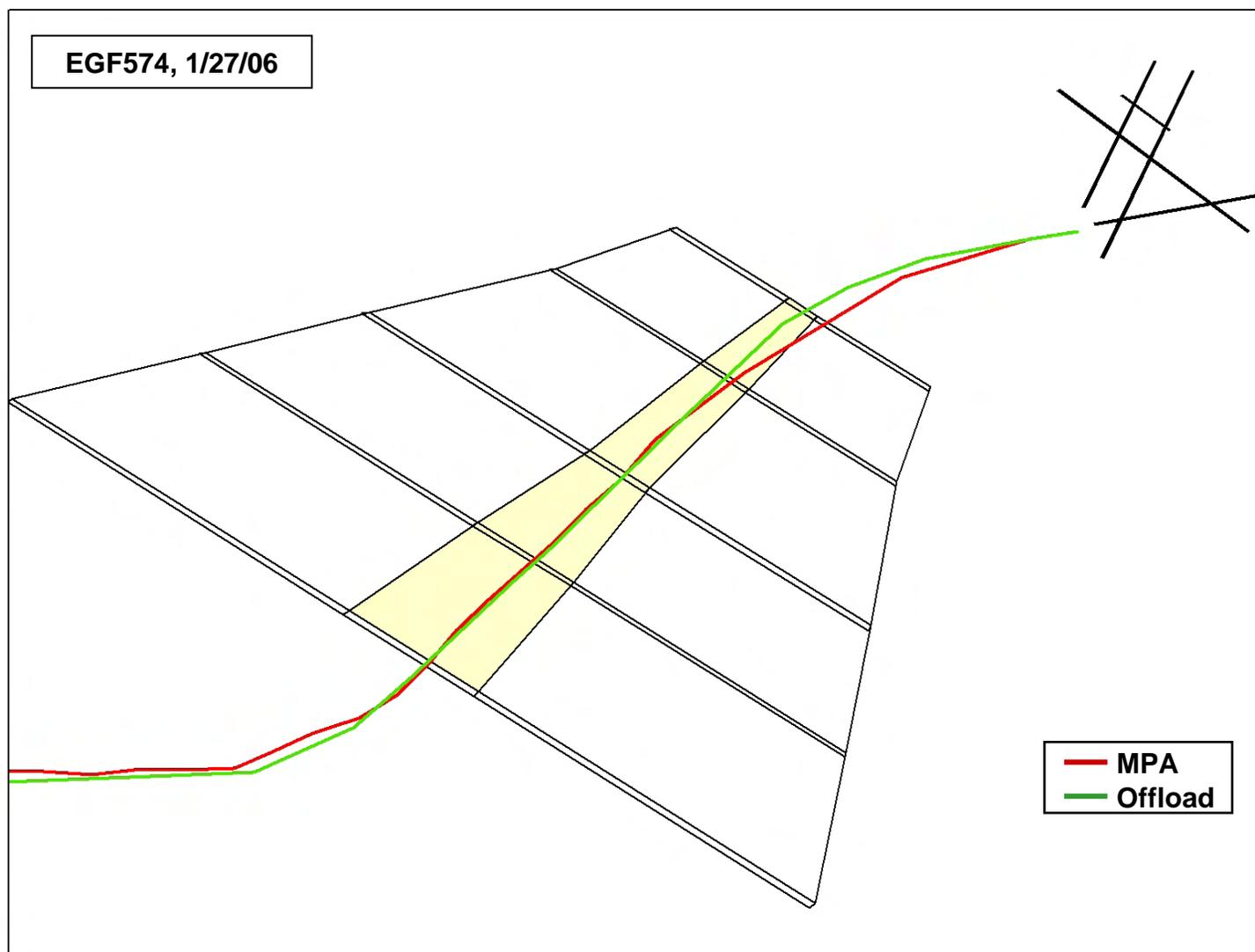


MPA Non-Compliant Tracks Identified as Compliant Using Offload (*continued*)



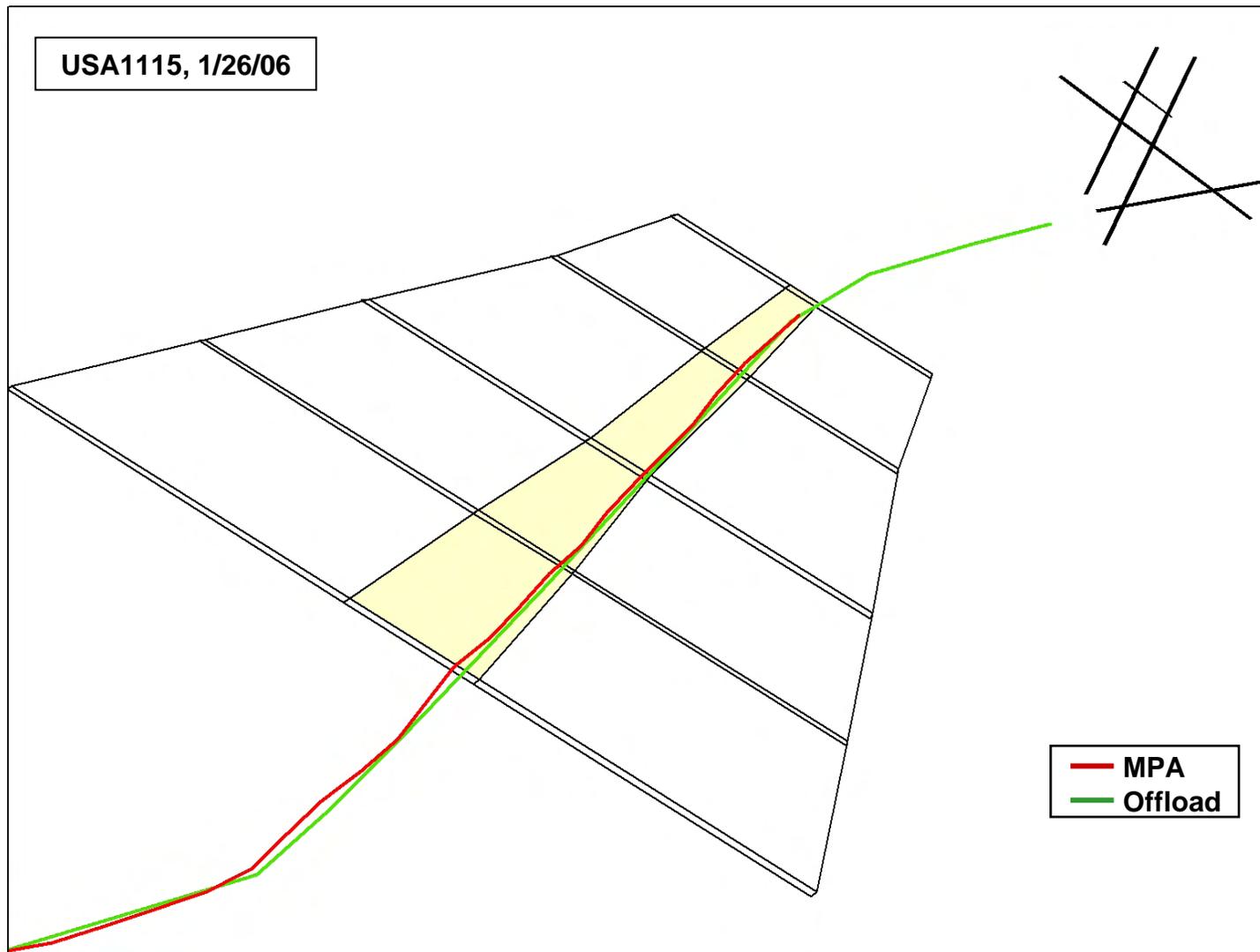


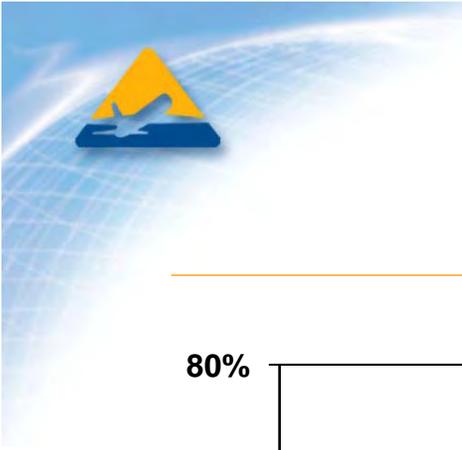
MPA Non-Compliant Tracks Identified as Compliant Using Offload (continued)



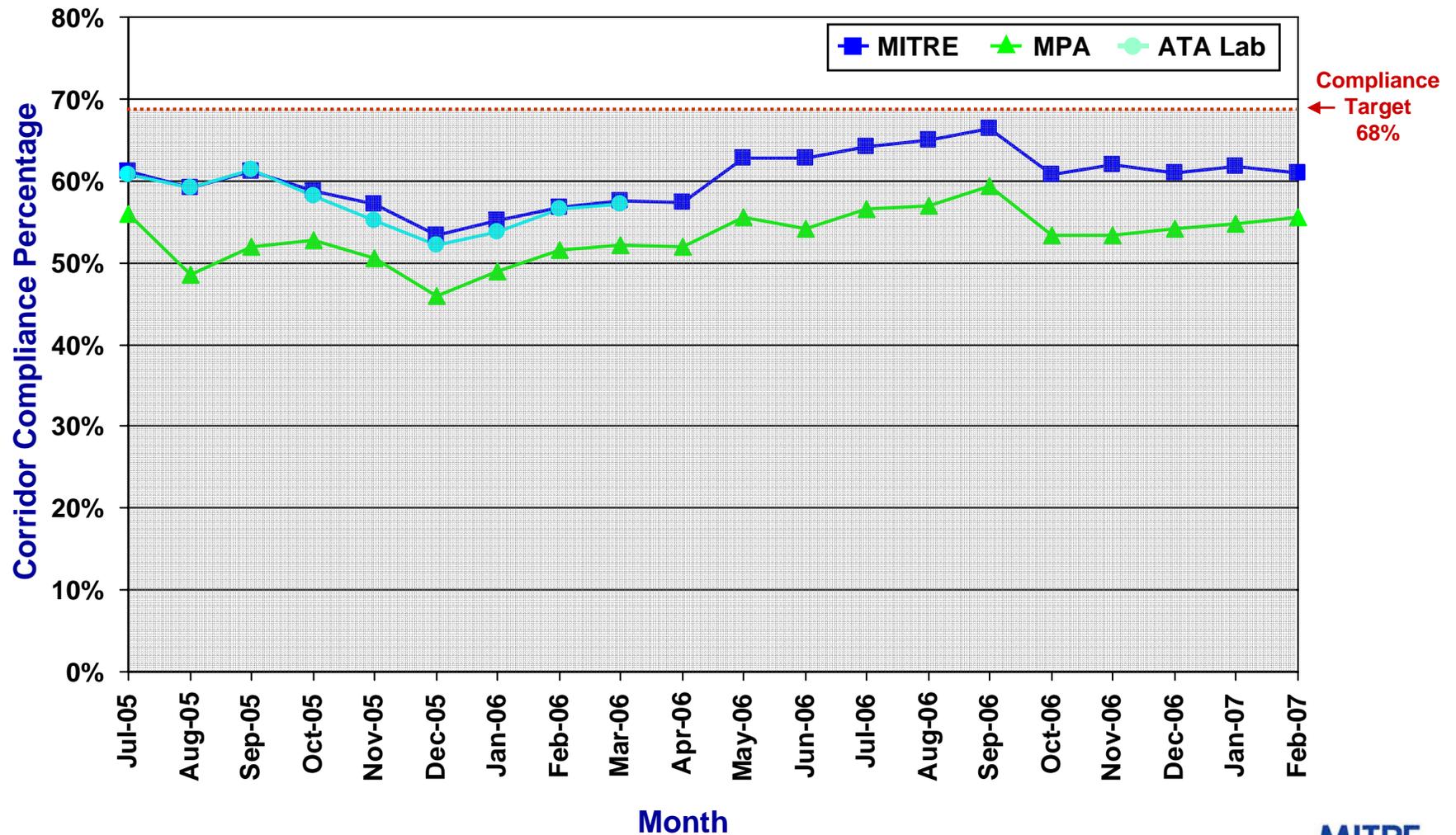


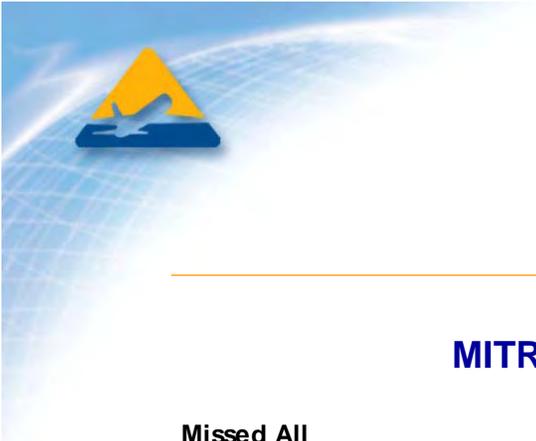
MPA Non-Compliant Tracks Identified as Compliant Using Offload (*concluded*)





Monthly Corridor Compliance MITRE vs. MPA vs. ATA Lab

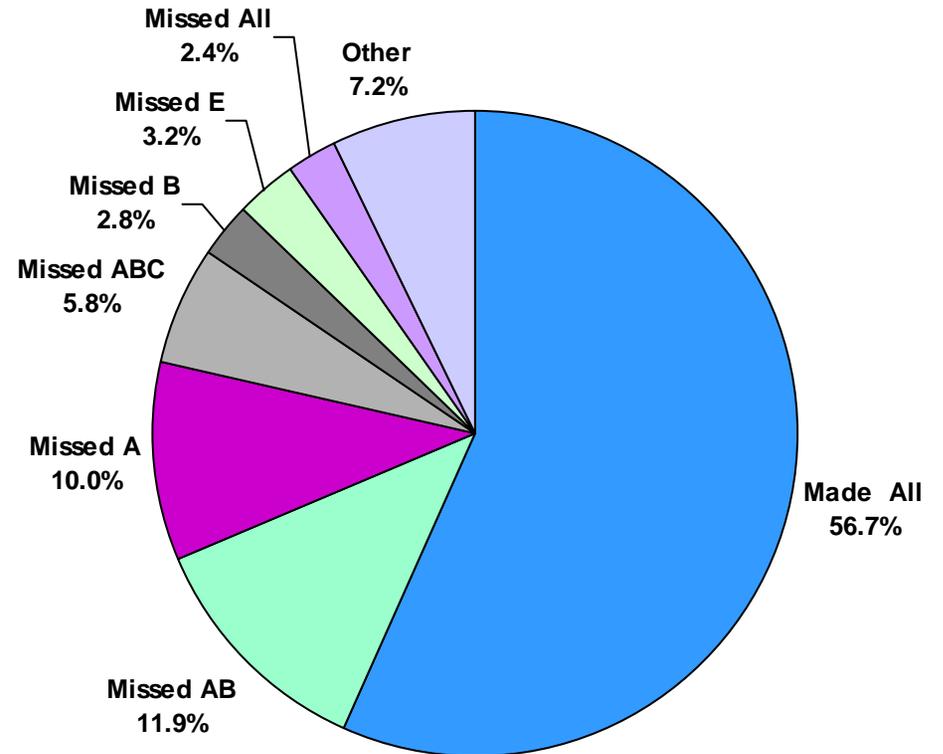
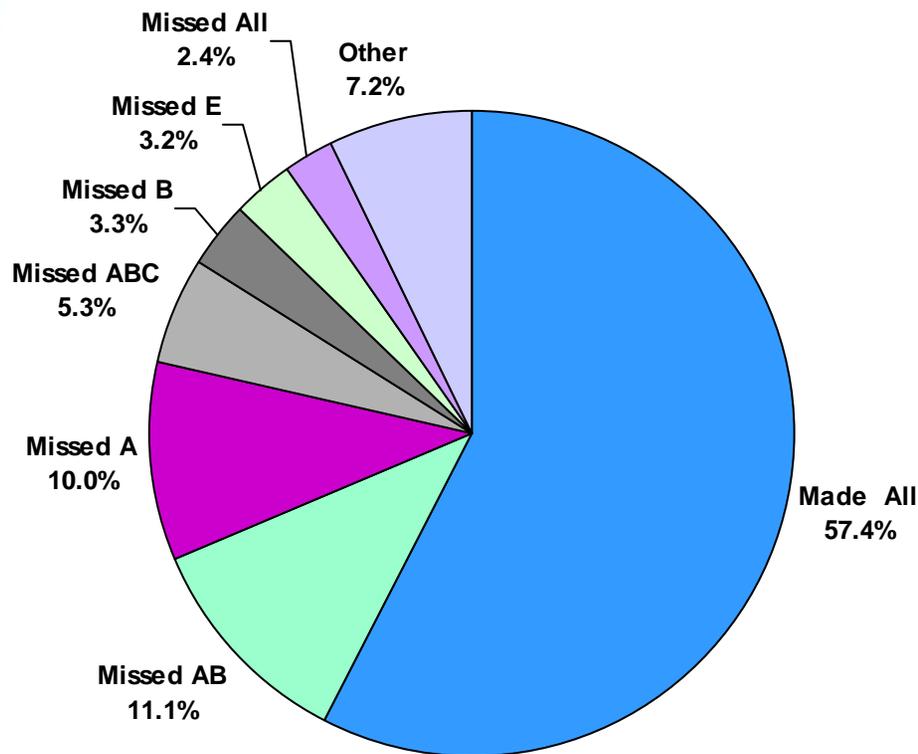




Top Seven Categories MITRE vs. ATA Lab

MITRE

ATA Lab



Source: Offload Analysis, July 2005 through March 2006.



MITRE and ATA Lab Comparison of Selected Aircraft Types

Aircraft Type	July 05 - Mar 06 Count		July 05 - Mar 06 Compliant Count		July 05 - Mar 06 Compliance Pct		
	MITRE	ATA Lab	MITRE	ATA Lab	MITRE	ATA Lab	
Most Common Good Performers	E135	2,331	2,160	1,675	1,548	71.9%	71.7%
	A319	2,060	1,890	1,349	1,196	65.5%	63.3%
	CRJ2	1,501	1,366	915	847	61.0%	62.0%
Most Common Bad Performers	B752	2,339	2,188	780	696	33.3%	31.8%
	CRJ1	900	798	396	349	44.0%	43.7%
	MD88	608	581	204	190	33.6%	32.7%

Source: Offload Analysis, July 2005 through March 2006.

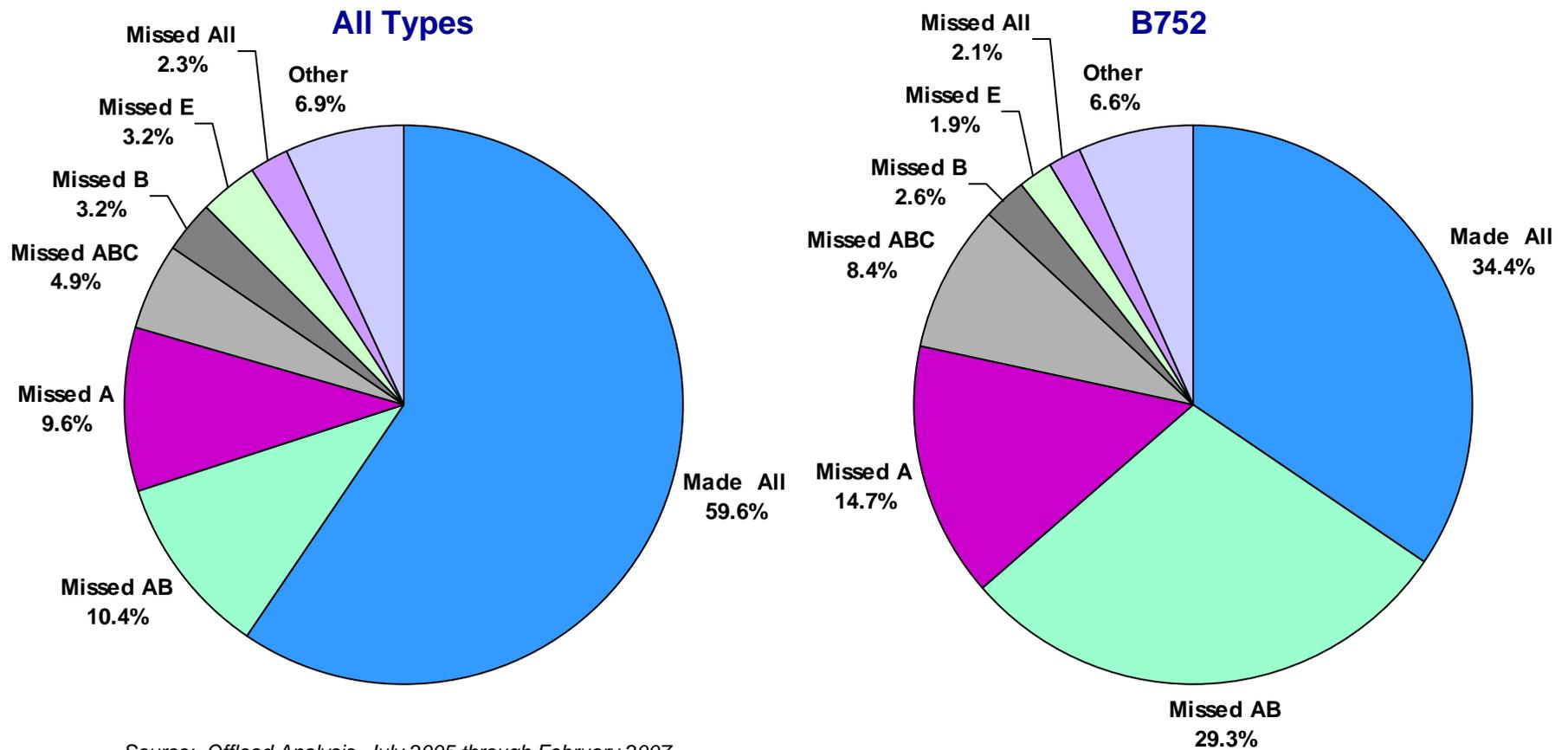


Analysis of Bad Performers



Top Seven Categories All Types vs. B752

- **B752s miss the first two gates much more frequently than other aircraft types**

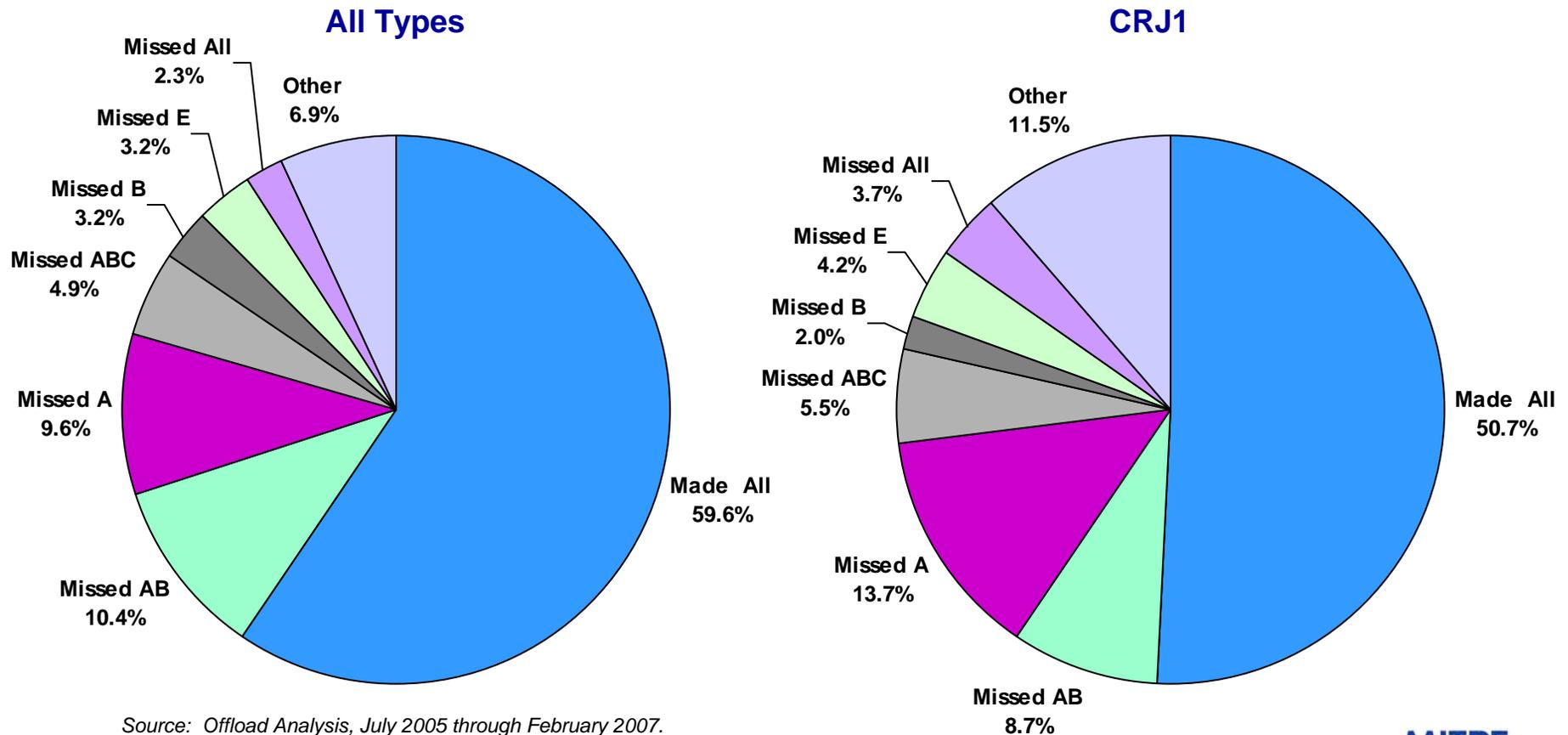


Source: Offload Analysis, July 2005 through February 2007.



Top Seven Categories All Types vs. CRJ1

- The large percentage of other misses is due primarily to CRJ1s that made Gate E only or that missed Gates C, D, and E

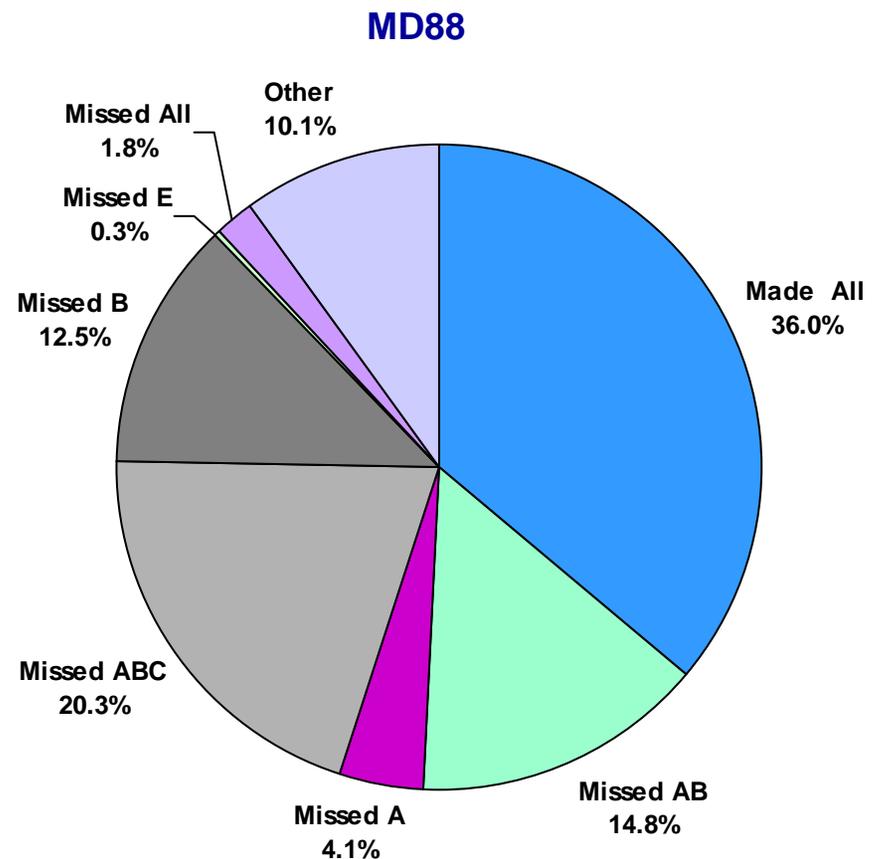
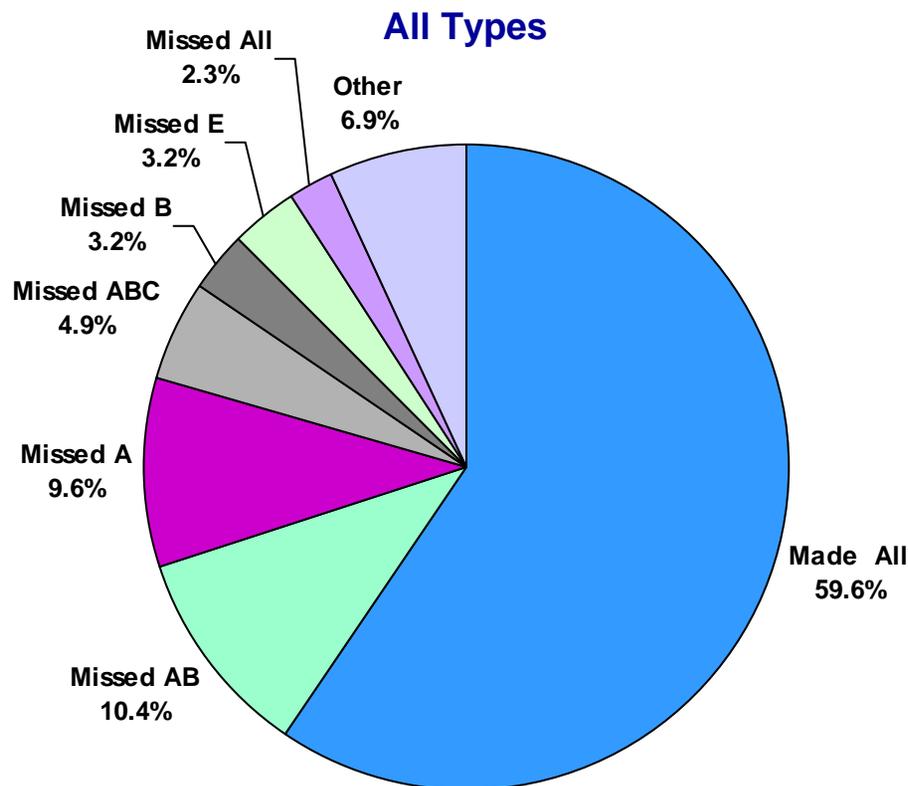


Source: Offload Analysis, July 2005 through February 2007.

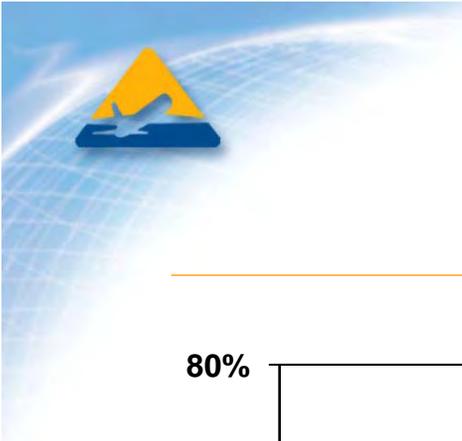


Top Seven Categories All Types vs. MD88

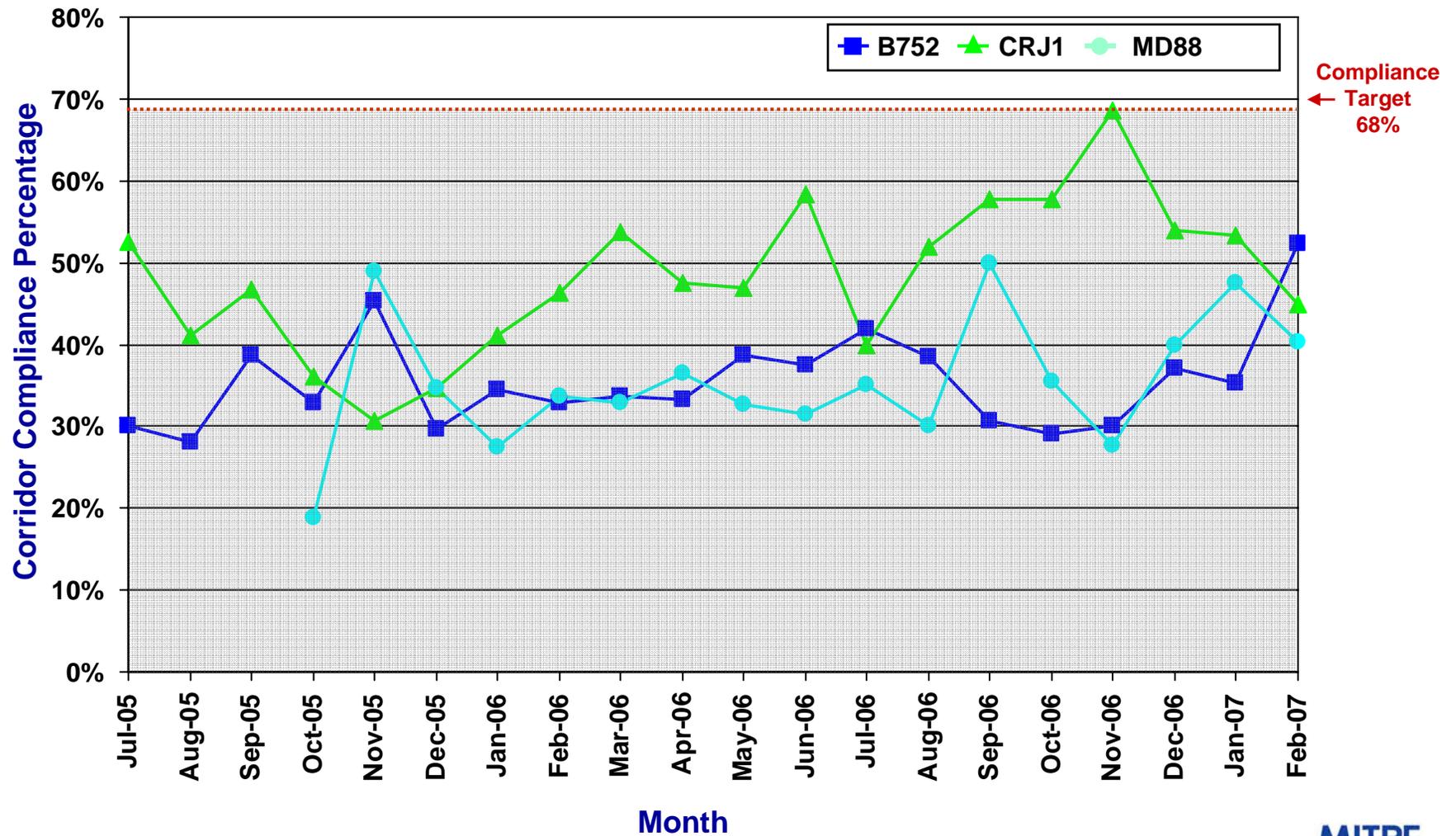
- A large percentage of MD88s miss Gates A, B, and C



Source: Offload Analysis, July 2005 through February 2007.



Monthly Corridor Compliance B752, CRJ1, MD88



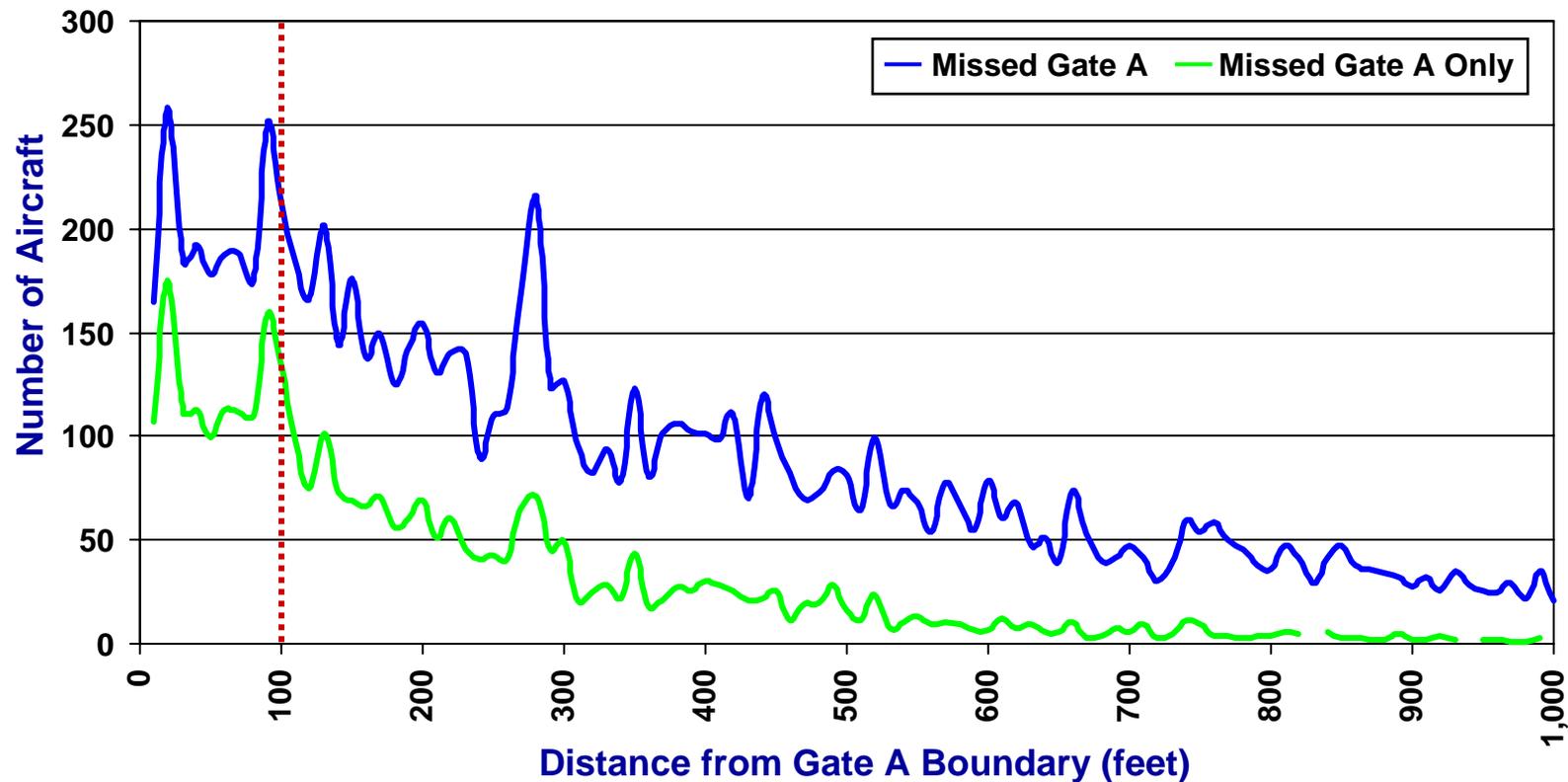


Analysis of Miss Distance



Many Tracks Missed Gate 'A' by less than 100 feet

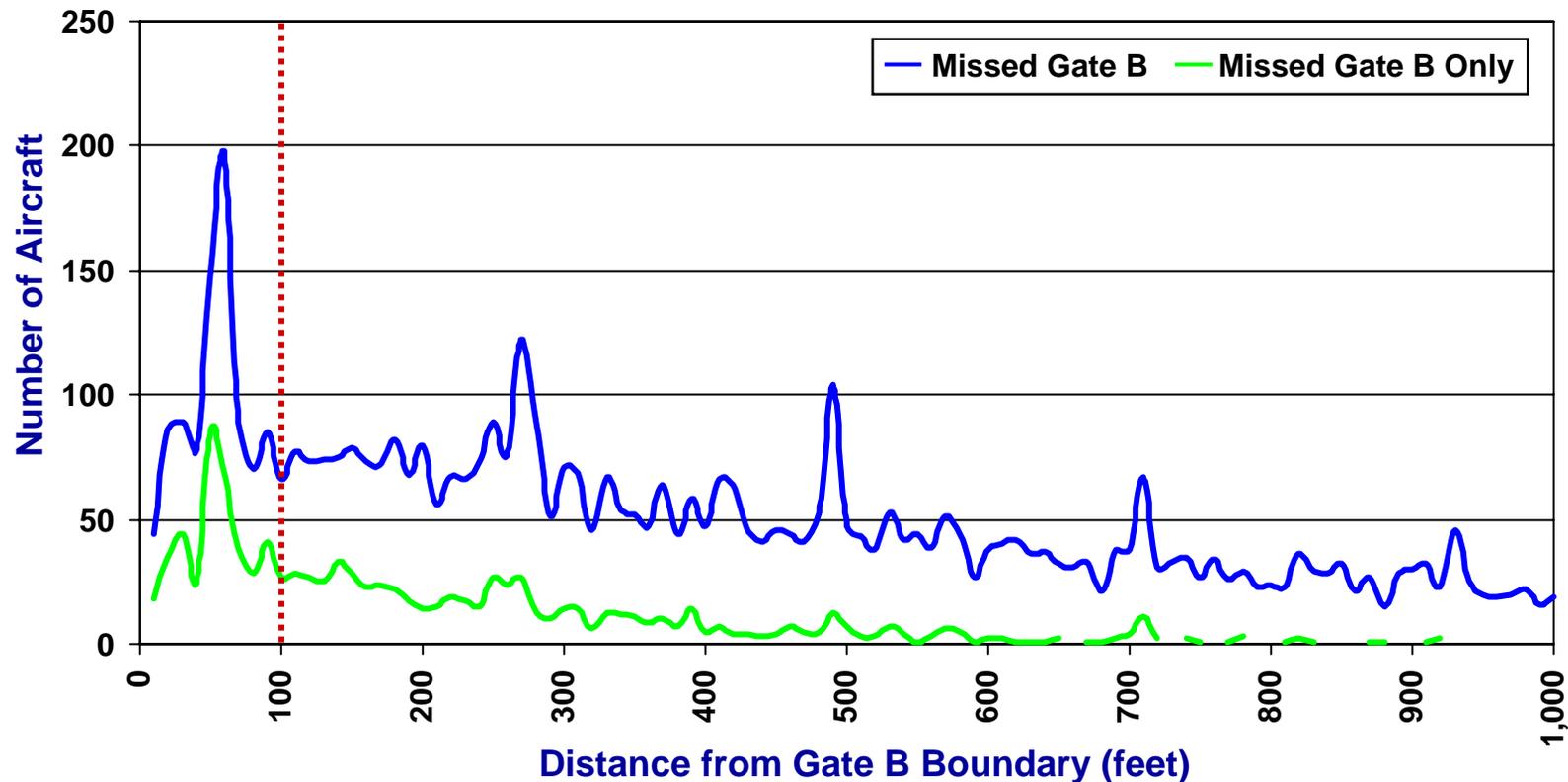
- Of the 3,235 flights that missed Gate 'A' only, 40% missed by 100 feet or less





Many Tracks Missed Gate 'B' by less than 100 feet

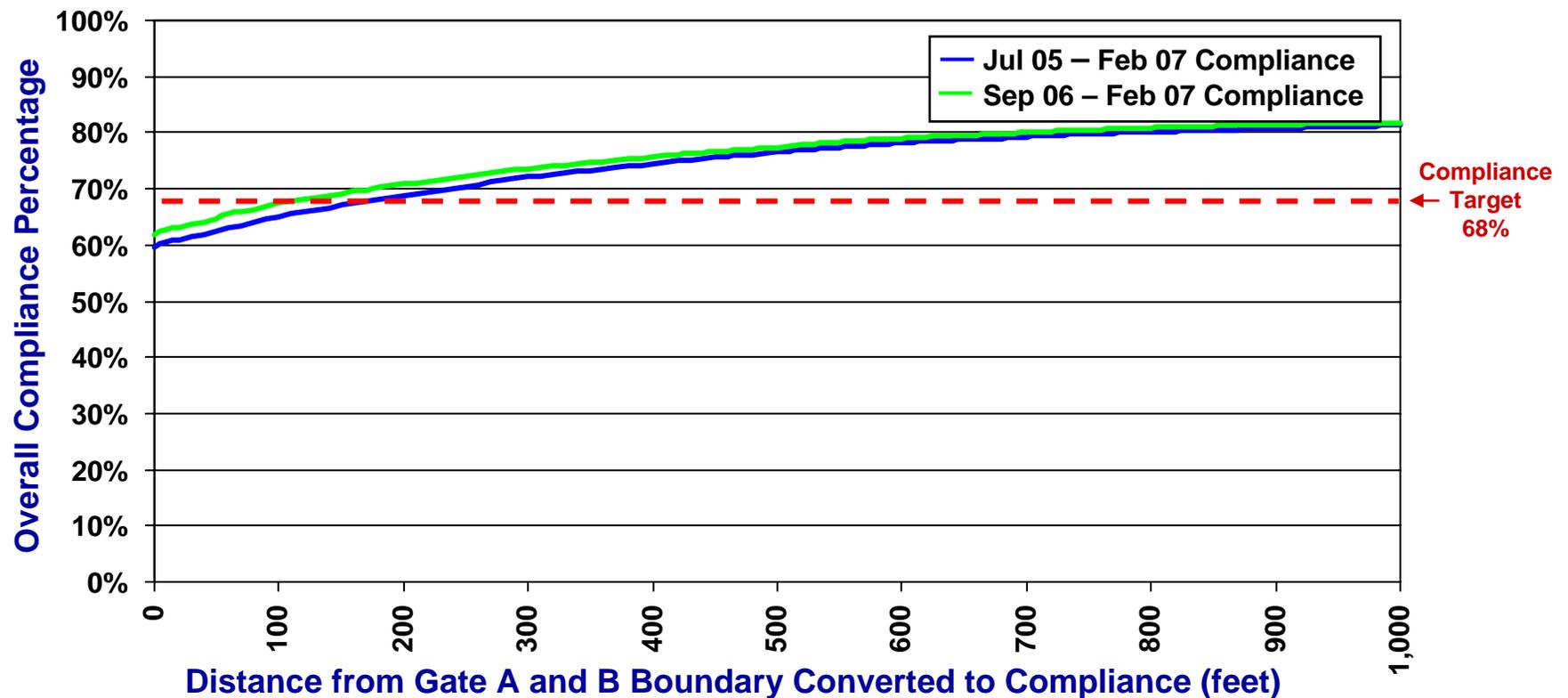
- Of the 1,085 flights that missed Gate 'B' only, 38% missed by 100 feet or less





Small Shifts in Lateral Flight Paths Could Greatly Improve Compliance

- If those flights that missed Gates A and B by 120 feet or less had been compliant, compliance for the past six months would have reached the 68% target
- The wingspan of a B752 is 125 feet





Conclusions



Conclusions

- **The MITRE analysis confirms the findings of the ATA Lab analysis**
 - **Similar overall compliance**
 - **Consistent gate category and aircraft type findings**
- **The MITRE analysis is consistent with the MPA analysis, but the MPA analysis is more conservative**
- **Automated processing will now allow monthly reporting going forward**
- **Overall compliance improved beginning May 2006, and has averaged 62% over the past 6 months**



Technical Appendix



Summary of Monthly Compliance

Year	Month	Total # of Tracks	Total # of Tracks Through All Gates	Percent of Tracks Through All Gates	Numbers of Tracks Through Each Gate					Percent of Tracks Through Each Gate					Average Percent through Each Gate
					Gate A 1,400 ft.*	Gate B 2,200 ft.*	Gate C 2,900 ft.*	Gate D 4,700 ft.*	Gate E 6,300 ft.*	Gate A 1,400 ft.*	Gate B 2,200 ft.*	Gate C 2,900 ft.*	Gate D 4,700 ft.*	Gate E 6,300 ft.*	
2005	July	1,639	1,001	61.1%	1,140	1,244	1,479	1,576	1,529	69.6%	75.9%	90.2%	96.2%	93.3%	85.0%
2005	August	1,141	674	59.1%	752	850	1,020	1,087	1,059	65.9%	74.5%	89.4%	95.3%	92.8%	83.6%
2005	September	1,274	779	61.1%	880	983	1,132	1,224	1,187	69.1%	77.2%	88.9%	96.1%	93.2%	84.9%
2005	October	1,777	1,044	58.8%	1,208	1,302	1,528	1,661	1,611	68.0%	73.3%	86.0%	93.5%	90.7%	82.3%
2005	November	1,046	598	57.2%	732	809	897	953	902	70.0%	77.3%	85.8%	91.1%	86.2%	82.1%
2005	December	2,595	1,382	53.3%	1,713	1,853	2,219	2,396	2,329	66.0%	71.4%	85.5%	92.3%	89.7%	81.0%
2006	January	1,863	1,028	55.2%	1,210	1,350	1,575	1,739	1,686	64.9%	72.5%	84.5%	93.3%	90.5%	81.2%
2006	February	2,013	1,143	56.8%	1,388	1,508	1,743	1,864	1,771	69.0%	74.9%	86.6%	92.6%	88.0%	82.2%
2006	March	3,998	2,297	57.5%	2,749	2,950	3,474	3,752	3,607	68.8%	73.8%	86.9%	93.8%	90.2%	82.7%
2006	April	1,706	978	57.3%	1,178	1,264	1,478	1,588	1,537	69.1%	74.1%	86.6%	93.1%	90.1%	82.6%
2006	May	1,154	725	62.8%	831	896	1,033	1,093	1,054	72.0%	77.6%	89.5%	94.7%	91.3%	85.0%
2006	June	1,533	962	62.8%	1,083	1,187	1,356	1,450	1,402	70.6%	77.4%	88.5%	94.6%	91.5%	84.5%
2006	July	950	609	64.1%	681	757	874	916	880	71.7%	79.7%	92.0%	96.4%	92.6%	86.5%
2006	August	874	568	65.0%	641	684	801	848	823	73.3%	78.3%	91.6%	97.0%	94.2%	86.9%
2006	September	1,202	797	66.3%	869	935	1,088	1,154	1,137	72.3%	77.8%	90.5%	96.0%	94.6%	86.2%
2006	October	3,039	1,848	60.8%	2,161	2,338	2,649	2,839	2,756	71.1%	76.9%	87.2%	93.4%	90.7%	83.9%
2006	November	1,792	1,111	62.0%	1,278	1,384	1,600	1,699	1,645	71.3%	77.2%	89.3%	94.8%	91.8%	84.9%
2006	December	1,191	727	61.0%	855	912	1,019	1,084	1,063	71.8%	76.6%	85.6%	91.0%	89.3%	82.8%
2007	January	2,246	1,388	61.8%	1,657	1,783	1,945	2,063	2,018	73.8%	79.4%	86.6%	91.9%	89.8%	84.3%
2007	February	1,162	708	60.9%	858	936	1,017	1,071	1,025	73.8%	80.6%	87.5%	92.2%	88.2%	84.5%
Total		34,195	20,367	59.6%	23,864	25,925	29,927	32,057	31,021	69.8%	75.8%	87.5%	93.7%	90.7%	83.5%



Summary of Monthly Compliance Top Seven Categories

Year	Month	Total # of Tracks	Top 7 Categories							Other	Total
			Made All	Missed AB	Missed A	Missed ABC	Missed B	Missed E	Missed All		
2005	July	1,639	61.1%	11.3%	10.5%	4.8%	3.3%	2.6%	1.0%	5.4%	100.0%
2005	August	1,141	59.1%	12.2%	11.8%	4.6%	2.7%	2.4%	2.5%	4.7%	100.0%
2005	September	1,274	61.1%	9.5%	11.5%	5.1%	3.2%	2.4%	1.9%	5.3%	100.0%
2005	October	1,777	58.8%	11.0%	8.9%	5.8%	3.2%	2.7%	3.1%	6.6%	100.0%
2005	November	1,046	57.2%	8.3%	10.2%	3.9%	1.9%	6.0%	3.1%	9.4%	100.0%
2005	December	2,595	53.3%	11.8%	10.9%	5.4%	4.5%	2.9%	2.7%	8.6%	100.0%
2006	January	1,863	55.2%	11.6%	10.1%	7.1%	3.0%	3.2%	2.6%	7.1%	100.0%
2006	February	2,013	56.8%	10.5%	9.7%	4.8%	2.9%	4.4%	2.5%	8.4%	100.0%
2006	March	3,998	57.5%	11.5%	8.8%	5.4%	3.7%	3.3%	2.2%	7.7%	100.0%
2006	April	1,706	57.3%	11.3%	9.6%	5.2%	3.6%	3.4%	2.6%	7.0%	100.0%
2006	May	1,154	62.8%	9.5%	8.8%	4.1%	3.2%	3.5%	2.3%	5.8%	100.0%
2006	June	1,533	62.8%	10.1%	9.3%	5.2%	2.2%	2.9%	2.4%	5.2%	100.0%
2006	July	950	64.1%	10.3%	10.4%	3.5%	2.2%	3.3%	1.2%	5.1%	100.0%
2006	August	874	65.0%	10.2%	9.0%	4.5%	3.5%	3.2%	1.5%	3.1%	100.0%
2006	September	1,202	66.3%	10.6%	8.1%	5.3%	2.4%	1.6%	1.4%	4.2%	100.0%
2006	October	3,039	60.8%	9.6%	9.2%	5.1%	2.9%	3.1%	2.4%	7.0%	100.0%
2006	November	1,792	62.0%	10.0%	9.3%	4.5%	3.2%	3.2%	2.1%	5.7%	100.0%
2006	December	1,191	61.0%	9.3%	7.9%	3.9%	2.9%	2.9%	3.8%	8.3%	100.0%
2007	January	2,246	61.8%	7.8%	9.2%	3.8%	3.3%	2.9%	2.5%	8.8%	100.0%
2007	February	1,162	60.9%	7.8%	9.5%	2.4%	3.3%	4.0%	2.7%	9.4%	100.0%
Grand Total		34,195	59.6%	10.4%	9.6%	4.9%	3.2%	3.2%	2.3%	6.9%	100.0%



Some Runway 27 Jet Departures Were Removed Due to Incomplete Tracks

Year	Month	Total Bos RWY 27 departures	Total Flights Removed During Manual Sorting	Removed Flights Due to Early Drop or Late Pickup										Total Removed	Total Bos RWY 27 Jet Departures for Compliance Analysis		
				Dropped A	Dropped AB	Dropped ABC	Dropped ABCD	Dropped E	Dropped BCDE	Dropped CDE	Dropped DE	Dropped ABCE	Dropped AE			Dropped ADE	
2005	July	1,696	29	13	10	3	1				1					28	1,639
2005	August	1,194	19	15	12	2	2				2			1		34	1,141
2005	September	1,343	29	19	10	7	2		2							40	1,274
2005	October	1,834	23	10	10	9	1	1	1	1				1		34	1,777
2005	November	1,077	15	4	5	2	3	1				1				16	1,046
2005	December	2,670	33	13	16	7	3	1		1	1					42	2,595
2006	January	1,917	20	19	9	3	2		1							34	1,863
2006	February	2,053	9	12	11	2	2	3				1				31	2,013
2006	March	4,076	17	22	22	12	1	2	2							61	3,998
2006	April	1,748	12	17	5	7		1								30	1,706
2006	May	1,183	12	8	4		2	3								17	1,154
2006	June	1,577	26	7	4	4	1	1						1		18	1,533
2006	July	1,003	26	12	9	4	1	1								27	950
2006	August	904	15	3	7	2	1	2								15	874
2006	September	1,243	29	4	2	3	2					1				12	1,202
2006	October	3,116	39	19	10	4	1	2	2							38	3,039
2006	November	1,837	21	12	6	4	1					1				24	1,792
2006	December	1,231	22	8	7		1	1		1						18	1,191
2006	January	2,289	22	12	8		1									21	2,246
2006	February	1,199	23	6	5	2	1									14	1,162
Grand Total		35,190	441	235	172	77	29	19	8	6	5	1	1	1	554	34,195	



Summary of Monthly Compliance Massport

Year	Month	Total # of Tracks	Total # of Tracks Through All Gates	Percent of Tracks Through All Gates	Numbers of Tracks Through Each Gate					Percent of Tracks Through Each Gate					Average Percent through Each Gate
					Gate A 1,400 ft.*	Gate B 2,200 ft.*	Gate C 2,900 ft.*	Gate D 4,700 ft.*	Gate E 6,300 ft.*	Gate A 1,400 ft.*	Gate B 2,200 ft.*	Gate C 2,900 ft.*	Gate D 4,700 ft.*	Gate E 6,300 ft.*	
2005	July	1482	830	56.0%	953	1103	1318	1417	1366	64.3%	74.4%	88.9%	95.6%	92.2%	83.1%
2005	August	1122	544	48.5%	634	759	935	1023	992	56.5%	67.6%	83.3%	91.2%	88.4%	77.4%
2005	September	1272	662	52.0%	756	899	1081	1161	1135	59.4%	70.7%	85.0%	91.3%	89.2%	79.1%
2005	October	1659	875	52.7%	1029	1168	1393	1522	1478	62.0%	70.4%	84.0%	91.7%	89.1%	79.4%
2005	November	986	499	50.6%	634	710	823	888	842	64.3%	72.0%	83.5%	90.1%	85.4%	79.0%
2005	December	2382	1096	46.0%	1402	1606	1998	2183	2124	58.9%	67.4%	83.9%	91.6%	89.2%	78.2%
2006	January	1743	854	49.0%	1033	1219	1448	1612	1567	59.3%	69.9%	83.1%	92.5%	89.9%	78.9%
2006	February	1871	963	51.5%	1205	1375	1597	1725	1616	64.4%	73.5%	85.4%	92.2%	86.4%	80.4%
2006	March	3655	1904	52.1%	2304	2621	3129	3436	3298	63.0%	71.7%	85.6%	94.0%	90.2%	80.9%
2006	April	1533	797	52.0%	951	1085	1301	1417	1369	62.0%	70.8%	84.9%	92.4%	89.3%	79.9%
2006	May	1049	583	55.6%	673	775	917	987	957	64.2%	73.9%	87.4%	94.1%	91.2%	82.2%
2006	June	1399	758	54.2%	874	999	1180	1287	1245	62.5%	71.4%	84.3%	92.0%	89.0%	79.8%
2006	July	805	456	56.6%	507	602	700	786	721	63.0%	74.8%	87.0%	97.6%	89.6%	82.4%
2006	August	793	451	56.9%	508	580	695	756	735	64.1%	73.1%	87.6%	95.3%	92.7%	82.6%
2006	September	1122	667	59.4%	747	830	991	1048	1036	66.6%	74.0%	88.3%	93.4%	92.3%	82.9%
2006	October	2810	1501	53.4%	1802	2084	2410	2604	2515	64.1%	74.2%	85.8%	92.7%	89.5%	81.2%
2006	November	1440	767	53.3%	883	1015	1197	1313	1270	61.3%	70.5%	83.1%	91.2%	88.2%	78.9%
2006	December	1166	631	54.1%	744	847	981	1054	1016	63.8%	72.6%	84.1%	90.4%	87.1%	79.6%
2007	January	2062	1130	54.8%	1410	1548	1759	1881	1806	68.4%	75.1%	85.3%	91.2%	87.6%	81.5%
2007	February	1090	606	55.6%	746	831	920	991	942	68.4%	76.2%	84.4%	90.9%	86.4%	81.3%
Total		31,441	16,574	52.7%	19,795	22,656	26,773	29,091	28,030	63.0%	72.1%	85.2%	92.5%	89.2%	80.4%