

APPENDIX 1

U.S. COMMERCIAL SERVICE AIRPORT DATABASE

- * Geographic Information**
- * Aircraft Activity Data**

AIRPORT DATABASE

State	Airport Name	Airport		County	Operations			
		ID	City		Air Carrier	Air Taxi	General Aviation	Military
AL	ANNISTON METROPOLITAN	ANB	ANNISTON	CALHOUN	1,000	3,300	12,000	5,200
AL	BIRMINGHAM	BHM	BIRMINGHAM	JEFFERSON	37,936	24,615	80,715	12,716
AL	DANNELLY FIELD	MGM	MONTGOMERY	MONTGOMERY	5,099	13,983	32,237	21,287
AL	GADSDEN MUNI	GAD	GADSDEN	ETOWAH	1,408	1,200	4,200	400
AL	HUNTSVILLE INTL-CARL T JONES FIELD	HSV	HUNTSVILLE	MADISON	16,371	9,947	30,204	4,373
AL	MOBILE REGIONAL	MOB	MOBILE	MOBILE	12,779	10,941	27,206	27,723
AL	MUSCLE SHOALS REGIONAL	MSL	MUSCLE SHOALS	COLBERT	200	3,000	55,000	2,000
AL	TALLADEGA MUNI	ASN	TALLADEGA	TALLADEGA	8	992	31,500	2,500
AL	TUSCALOOSA MUNI	TCL	TUSCALOOSA	TUSCALOOSA	11	4,466	24,106	5,397
AR	ADAMS FIELD	LIT	LITTLE ROCK	PULASKI	38,381	23,602	80,884	20,825
AR	BAXTER COUNTY REGIONAL	BPK	MOUNTAIN HOME	BAXTER	924	8,000	18,000	1,500
AR	BOONE COUNTY	HRO	HARRISON	BOONE	2,903	500	8,000	200
AR	DRAKE FIELD	FVY	FAYETTEVILLE	WASHINGTON	189	26,373	13,039	240
AR	FORT SMITH REGIONAL	FSM	FORT SMITH	SEBASTIAN	103	12,340	27,848	28,759
AR	HARRELL FIELD	CDH	CAMDEN	OUACHITA	2,248	1,000	8,000	400
AR	JONESBORO MUNI	JBR	JONESBORO	CRAIGHEAD	2,920	3,100	59,400	2,500
AR	MEMORIAL FIELD	HOT	HOT SPRINGS	GARLAND	4,142	2,346	30,000	800
AR	SOUTH ARKANSAS REGIONAL AT GOODWIN FIELD	ELD	EL DORADO	UNION	3,640	2,920	3,000	400
AR	SPRINGDALE MUNI	ASG	SPRINGDALE	WASHINGTON	520	10,000	50,000	800
AR	TEXARKANA REGIONAL-WEBB FIELD	TXK	TEXARKANA	MILLER	102	10,788	18,661	3,022
AZ	ERNEST A. LOVE FIELD	PRC	PRESCOTT	YAVAPAI	590	6,954	104,033	577
AZ	FLAGSTAFF PULLIAM	FLG	FLAGSTAFF	COCONINO	11	8,300	27,073	578
AZ	GRAND CANYON NATIONAL PARK	GCN	GRAND CANYON	COCONINO	756	174,875	7,130	163
AZ	KINGMAN	IGM	KINGMAN	MOHAVE	1,764	0	15,540	590
AZ	LAUGHLIN / BULLHEAD CITY	P06	BULLHEAD CITY	MOHAVE	7,600	2,500	60,000	3,500
AZ	NOGALES INTL	OLS	NOGALES	SANTA CRUZ	1,050	3,150	18,900	210
AZ	PAGE MUNI	PGA	PAGE	COCONINO	1,660	7,560	12,992	179
AZ	PHOENIX SKY HARBOR INTL	PHX	PHOENIX	MARICOPA	307,586	84,913	95,299	10,650
AZ	PHOENIX-GOODYEAR MUNICIPAL	GYR	GOODYEAR	MARICOPA	56	168	53,822	144
AZ	SEDONA	SEZ	SEDONA	YAVAPAI	3,500	3,000	26,000	1,000
AZ	TUCSON INTL	TUS	TUCSON	PIMA	43,911	18,239	95,119	40,431
AZ	WHITERIVER	E24	WHITERIVER	NAVAJO	500	1,000	2,590	60
AZ	YUMA MCAS/YUMA INTL	YUM	YUMA	YUMA	13,642	74	15,058	116,695
CA	ARCATA	ACV	ARCATA/EUREKA	HUMBOLDT	12,000	500	20,000	10,000
CA	BERMUDA DUNES	UDD	PALM SPRINGS	RIVERSIDE	960	6,000	34,000	0
CA	BISHOP	BH	BISHOP	INYO	8,000	7,000	16,000	2,500
CA	BUCHANAN FIELD	CCR	CONCORD	CONTRA COSTA	406	949	108,598	579
CA	BURBANK-GLENDALE-PASADENA	BUR	BURBANK	LOS ANGELES	56,923	41,640	92,219	598
CA	FRESNO AIR TERMINAL	FAT	FRESNO	FRESNO	8,836	54,595	79,933	10,176
CA	IMPERIAL COUNTY	IPL	IMPERIAL	IMPERIAL	4,114	3,800	28,000	200
CA	INYOKERN	IYK	INYOKERN	KERN	4,300	2,100	12,000	200
CA	JACK MC NAMARA FIELD	CEC	CRESCENT CITY	DEL NORTE	700	200	4,100	200
CA	JOHN WAYNE AIRPORT-ORANGE COUNTY	SNA	SANTA ANA	ORANGE	68,567	37,233	245,629	1,189
CA	LAKE TAHOE	TVL	SOUTH LAKE TAHOE	EL DORADO	52	3,224	17,579	520
CA	LONG BEACH /DAUGHERTY FIELD/	LGB	LONG BEACH	LOS ANGELES	10,640	590	249,627	1,554
CA	LOS ANGELES INTL	LAX	LOS ANGELES	LOS ANGELES	408,823	214,671	47,055	16,794
CA	MAMMOTH - JUNE LAKES	MMH	MAMMOTH LAKES	MONO	2,000	1,000	17,000	30
CA	MC CLELLAN-PALOMAR	CRQ	CARLSBAD	SAN DIEGO	509	10,227	136,074	2,552
CA	MEADOWS FIELD	BFL	BAKERSFIELD	KERN	1,134	23,112	67,729	1,860
CA	MERCED MUNICIPAL/MACREADY FIELD	MCE	MERCED	MERCED	4,730	3,500	18,000	500
CA	METROPOLITAN OAKLAND INTL	OAK	OAKLAND	ALAMEDA	130,335	57,770	142,389	844
CA	MONTEREY PENINSULA	MRY	MONTEREY	MONTEREY	2,977	26,818	53,413	1,753
CA	ONTARIO INTL	ONT	ONTARIO	SAN BERNARDINO	94,714	33,495	26,965	520
CA	PALM SPRINGS REGIONAL	PSP	PALM SPRINGS	RIVERSIDE	7,209	35,572	39,623	1,067
CA	PALMDALE PRODN FLT/TEST INSTLN AF PLANT	PMD	PALMDALE	LOS ANGELES	147	5,943	5,677	35,181
CA	REDDING MUNI	RDD	REDDING	SHASTA	86	22,086	55,004	1,916
CA	SACRAMENTO METROPOLITAN	SMF	SACRAMENTO	SACRAMENTO	64,433	36,486	28,593	2,449
CA	SAN DIEGO INTL-LINDBERGH FLD	SAN	SAN DIEGO	SAN DIEGO	140,934	46,841	21,764	5,676
CA	SAN FRANCISCO INTL	SFO	SAN FRANCISCO	SAN MATEO	287,742	105,492	24,427	2,672
CA	SAN JOSE INTERNATIONAL	SJC	SAN JOSE	SANTA CLARA	105,314	17,405	104,157	844
CA	SAN LUIS OBISPO COUNTY-MC CHESNEY FIELD	SBP	SAN LUIS OBISPO	SAN LUIS OBISPO	21,160	24,095	48,450	832
CA	SANTA BARBARA MUNI	SBA	SANTA BARBARA	SANTA BARBARA	5,449	46,006	75,998	1,088
CA	SANTA MARIA PUBLIC	SMX	SANTA MARIA	SANTA BARBARA	69	18,339	38,609	672
CA	SONOMA COUNTY	STS	SANTA ROSA	SONOMA	36	7,625	90,881	710
CA	STOCKTON METROPOLITAN	SCK	STOCKTON	SAN JOAQUIN	112	3,725	35,108	6,566
CA	VAN NUYS	VNY	VAN NUYS	LOS ANGELES	12	2,185	280,292	693
CA	VISALIA MUNI	VIS	VISALIA	TULARE	5,000	8,000	35,000	200
CO	ASPEN-PITKIN CO/SARDY FIELD	ASE	ASPEN	PITKIN	9,437	4,519	25,238	59
CO	CITY OF COLORADO SPRINGS MUNI	COS	COLORADO SPRINGS	EL PASO	23,739	11,601	66,691	41,471
CO	CORTEZ-MONTEZUMA COUNTY	CEZ	CORTEZ	MONTEZUMA	1,704	2,500	4,400	50
CO	DURANGO-LA PLATA COUNTY	DRO	DURANGO	LA PLATA	13,898	2,400	15,000	500
CO	EAGLE COUNTY REGIONAL	EGE	EAGLE	EAGLE	107	1,648	2,240	785
CO	FORT COLLINS-LOVELAND MUNI	FNL	FORT COLLINS/LOVELAND	LARIMER	5,500	2,020	50,000	200
CO	GARFIELD COUNTY REGIONAL	RIL	RIFLE	GARFIELD	6	2,256	12,939	0
CO	GUNNISON COUNTY	GUC	GUNNISON	GUNNISON	2,607	0	9,132	100
CO	LAMAR MUNI	LAA	LAMAR	PROWERS	1,248	1,352	6,868	400
CO	MONTROSE REGIONAL	MTJ	MONTROSE	MONTROSE	5,114	2,600	7,000	100
CO	PUEBLO MEMORIAL	PUB	PUEBLO	PUEBLO	214	9,679	23,603	23,248
CO	SAN LUIS VALLEY REGIONAL/BERGMAN FIELD	ALS	ALAMOSA	ALAMOSA	2,704	4,380	14,568	750
CO	STAPLETON INTL	DEN	DENVER	DENVER	331,777	185,203	27,631	1,617
CO	TELLURIDE REGIONAL	TEX	TELLURIDE	SAN MIGUEL	6,000	50	3,960	25
CO	WALKER FIELD	GJT	GRAND JUNCTION	MESA	3,947	16,517	38,044	3,635
CO	YAMPA VALLEY	HDN	HAYDEN	ROUIT	2,372	1,560	2,500	24
CT	BRADLEY INTL	BDL	WINDSOR LOCKS	HARTFORD	60,466	48,478	43,846	9,220
CT	GROTON-NEW LONDON	GON	GROTON/NEW LONDON/	NEW LONDON	13	6,104	33,220	4,036

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		ID	City	County	Air Carrier	Air Taxi	General Aviation	Military
CT	IGOR I SIKORSKY MEMORIAL	BDR	BRIDGEPORT	FAIRFIELD	34	6,921	48,089	976
CT	TWEED-NEW HAVEN	HVN	NEW HAVEN	NEW HAVEN	1,677	9,015	27,041	323
DC	WASHINGTON DULLES INTERNATIONAL	IAD	WASHINGTON	LOUDOUN	88,969	148,050	51,548	7,154
DC	WASHINGTON NATIONAL	DCA	WASHINGTON	ARLINGTON	189,213	70,464	54,351	2,762
DE	NEW CASTLE COUNTY	ILG	WILMINGTON	NEW CASTLE	170	2,790	62,171	16,338
FL	CENTRAL FLORIDA REGIONAL	SFB	ORLANDO	SEMINOLE	258	374	79,575	1,194
FL	DADE-COLLIER TRAINING AND TRANSITION	TNT	MIAMI	DADE	11,000	0	3,000	6,000
FL	DAYTONA BEACH REGIONAL	DAB	DAYTONA BEACH	VOLUSIA	10,068	7,267	184,329	1,154
FL	FORT LAUDERDALE/HOLLYWOOD INTL	FLL	FORT LAUDERDALE	BROWARD	106,135	57,167	66,077	1,229
FL	GAINESVILLE REGIONAL	GNV	GAINESVILLE	ALACHUA	2,852	11,510	38,622	5,900
FL	JACKSONVILLE INTL	JAX	JACKSONVILLE	DUVAL	57,659	38,825	22,929	16,558
FL	KEY WEST INTL	EYW	KEY WEST	MONROE	2	37,167	42,422	3,141
FL	MARATHON	MTH	MARATHON	MONROE	14,600	3,650	22,500	100
FL	MELBOURNE REGIONAL	MLB	MELBOURNE	BREVARD	7,457	10,347	81,993	601
FL	MIAMI INTL	MIA	MIAMI	DADE	317,127	156,824	70,637	5,606
FL	NASA SHUTTLE LANDING FACILITY	X68	TITUSVILLE	BREVARD	10	0	3,856	508
FL	ORLANDO INTL	MCO	ORLANDO	ORANGE	188,340	120,283	28,403	7,187
FL	PALM BEACH INTL	PBI	WEST PALM BEACH	PALM BEACH	57,252	23,756	99,743	1,513
FL	PANAMA CITY-BAY COUNTY	PFN	PANAMA CITY	BAY	2,458	24,628	31,135	4,823
FL	PENSACOLA REGIONAL	PNS	PENSACOLA	ESCAMBIA	14,044	30,041	31,522	26,251
FL	SARASOTA-BRADENTON	SRQ	SARASOTA/BRADENTON/	SARASOTA	19,683	19,061	83,174	2,202
FL	SOUTHWEST FLORIDA REGIONAL	RSW	FORT MYERS	LEE	40,480	15,721	7,000	1,043
FL	ST PETERSBURG/CLEARWATER INTL	PIE	ST PETERSBURG/CLEARWATER	PINELLAS	7,655	4,605	68,561	19,651
FL	TALLAHASSEE REGIONAL	TLH	TALLAHASSEE	LEON	13,769	32,307	41,566	5,879
FL	TAMPA INTL	TPA	TAMPA	HILLSBOROUGH	140,421	75,975	45,537	1,608
FL	VERO BEACH MUNI	VRB	VERO BEACH	INDIAN RIVER	13	1,787	87,514	359
GA	ATHENS/BEN EPPS	AHN	ATHENS	CLARKE	7,225	2,328	14,143	402
GA	BUSH FIELD	AGS	AUGUSTA	RICHMOND	6,473	5,961	16,896	5,677
GA	COLUMBUS METROPOLITAN	CSG	COLUMBUS	MUSCOGEE	2,095	11,086	31,734	2,469
GA	GLYNCO JETPORT	BQK	BRUNSWICK	GLYNN	3,640	250	11,000	1,300
GA	MIDDLE GEORGIA REGIONAL	MCN	MACON	BIBB	240	4,597	21,764	1,416
GA	SAVANNAH INTERNATIONAL	SAV	SAVANNAH	CHATHAM	15,102	9,819	39,263	16,681
GA	SOUTHWEST GEORGIA REGIONAL	ABY	ALBANY	DOUGHERTY	314	8,972	25,240	3,447
GA	THE WILLIAM B HARTSFIELD ATLANTA INTL	ATL	ATLANTA	FULTON	518,447	154,559	23,384	2,949
GA	VALDOSTA REGIONAL	VLD	VALDOSTA	LOWNDES	50	3,160	22,869	4,495
IA	BURLINGTON MUNI	BRL	BURLINGTON	DES MOINES	8,960	1,000	10,000	100
IA	CEDAR RAPIDS MUNI	CID	CEDAR RAPIDS	LINN	14,703	18,649	28,955	218
IA	DES MOINES INTL	DSM	DES MOINES	POLK	29,270	26,120	58,924	6,913
IA	DUBUQUE REGIONAL	DBQ	DUBUQUE	DUBUQUE	302	6,933	20,578	400
IA	FORT DODGE REGIONAL	FOD	FORT DODGE	WEBSTER	14,000	0	13,000	200
IA	MASON CITY MUNI	MCW	MASON CITY	CERRO GORDO	9,854	1,000	12,000	500
IA	OTTUMWA INDUSTRIAL	OTM	OTTUMWA	WAPELLO	1,740	300	7,500	150
IA	SIOUX GATEWAY	SUX	SIOUX CITY	WOODBURY	381	22,045	23,128	9,467
IA	WATERLOO MUNI	ALO	WATERLOO	BLACK HAWK	217	18,809	26,652	5,446
ID	BOISE AIR TERMINAL /GOWEN FLD/	BOI	BOISE	ADA	25,536	33,348	62,637	18,030
ID	COEUR D'ALENE AIR TERM	COE	COEUR D'ALENE	KOOTENAI	2,392	17,500	43,000	1,400
ID	FANNING FIELD	IDA	IDAHO FALLS	BONNEVILLE	2,314	10,940	21,155	442
ID	FRIEDMAN MEMORIAL	SUN	HAILEY	BLAINE	38	9,901	45,257	51
ID	LEWISTON-NEZ PERCE COUNTY	LWS	LEWISTON	NEZ PERCE	108	17,140	21,895	2,122
ID	POCATELLO REGIONAL	PIH	POCATELLO	POWER	80	12,010	18,530	542
ID	TWIN FALLS-SUN VALLEY REGIONAL JOSLIN FLD	TWF	TWIN FALLS	TWIN FALLS	292	12,675	25,304	558
IL	BLOOMINGTON/NORMAL	BMI	BLOOMINGTON/NORMAL	MC LEAN	93	16,182	39,470	866
IL	CAPITAL	SPI	SPRINGFIELD	SANGAMON	505	25,717	44,138	12,969
IL	CHICAGO MIDWAY	MDW	CHICAGO	COOK	113,828	66,055	71,370	1,656
IL	CHICAGO O'HARE INTL	ORD	CHICAGO	COOK	743,688	100,349	36,227	3,216
IL	COLES COUNTY MEMORIAL	MTO	MATTOON/CHARLESTON	COLES	50	4,000	19,000	250
IL	DECATUR	DEC	DECATUR	MACON	95	7,889	25,091	6,805
IL	GREATER PEORIA REGIONAL	PIA	PEORIA	PEORIA	8,047	22,933	31,440	8,788
IL	GREATER ROCKFORD	RPD	ROCKFORD	WINNEBAGO	1,385	16,456	46,840	7,130
IL	LOGAN COUNTY	3LC	LINCOLN	LOGAN	950	1,550	4,000	50
IL	MOUNT VERNON	MVN	MOUNT VERNON	JEFFERSON	3,120	2,420	32,000	560
IL	QUAD-CITY	MLI	MOLINE	ROCK ISLAND	10,590	21,340	31,066	3,798
IL	QUINCY MUNI BALDWIN FIELD	UIN	QUINCY	ADAMS	9,890	5,100	15,000	500
IL	UNIVERSITY OF ILLINOIS-WILLARD	CMI	CHAMPAIGN/URBANA/	CHAMPAIGN	2,062	18,789	39,741	906
IL	WILLIAMSON COUNTY REGIONAL	MWA	MARION	WILLIAMSON	124	3,029	11,507	255
IN	ANDERSON MUNI	AID	ANDERSON	MADISON	2	1,524	15,419	86
IN	DELAWARE COUNTY-JOHNSON FIELD	MIE	MUNCIE	DELAWARE	4	357	31,183	464
IN	EVANSVILLE REGIONAL	EVV	EVANSVILLE	VANDERBURGH	2,904	28,304	32,786	1,148
IN	FORT WAYNE INTERNATIONAL	FWA	FORT WAYNE	ALLEN	12,944	16,880	30,712	8,650
IN	GARY REGIONAL	GYG	GARY	LAKE	156	1,034	16,957	881
IN	HULMAN REGIONAL	HUF	TERRE HAUTE	VIGO	3,309	3,506	25,845	9,694
IN	INDIANAPOLIS INTL	IND	INDIANAPOLIS	MARION	113,240	70,588	51,542	2,206
IN	KOKOMO MUNI	OKK	KOKOMO	HOWARD	139	3,071	3,071	139
IN	MICHIANA REGIONAL	SBN	SOUTH BEND	ST JOSEPH	15,379	21,940	26,415	299
IN	PURDUE UNIVERSITY	LAF	LAFAYETTE	TIPPECANOE	56	3,596	42,529	266
KS	DODGE CITY REGIONAL	DDC	DODGE CITY	FORD	2,300	500	25,000	200
KS	EMPORIA MUNI	EMP	EMPORIA	LYON	1,000	0	15,000	250
KS	FORBES FIELD	FOE	TOPEKA	SHAWNEE	251	4,625	17,973	13,861
KS	GARDEN CITY REGIONAL	GCK	GARDEN CITY	FINNEY	2,500	1,500	20,000	300
KS	GREAT BEND MUNI	GBD	GREAT BEND	BARTON	2,000	1,000	24,000	200
KS	HAYS MUNI	HYS	HAYS	ELLIS	3,200	200	15,000	200
KS	LIBERAL MUNI	LBL	LIBERAL	SEWARD	2,012	1,000	23,600	500
KS	MANHATTAN MUNI	MHK	MANHATTAN	RILEY	3,133	500	14,247	3,396
KS	RENNER FLD /GOODLAND MUNI/	GLD	GOODLAND	SHERMAN	2,200	200	8,000	300
KS	SALINA MUNI	SLN	SALINA	SALINE	134	3,148	27,192	7,890

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KS	WICHITA MID-CONTINENT	ICT	WICHITA	SEDGWICK	27,138	15,431	91,796	1,594
KY	BARKLEY REGIONAL	PAH	PADUCAH	MC CRACKEN	10	9,391	23,478	1,357
KY	BLUE GRASS	LEX	LEXINGTON	FAYETTE	13,984	20,201	46,276	1,740
KY	CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL	CVG	COVINGTON/CINCINNATI, OH	BOONE	155,729	162,647	14,047	1,409
KY	STANDIFORD FIELD	SDF	LOUISVILLE	JEFFERSON	103,201	31,953	38,872	5,241
LA	BATON ROUGE METROPOLITAN, RYAN FIELD	BTR	BATON ROUGE	EAST BATON ROUG	11,627	20,004	54,264	2,835
LA	LAFAYETTE REGIONAL	LFT	LAFAYETTE	LAFAYETTE	669	36,376	35,955	6,348
LA	LAKE CHARLES REGIONAL	LCH	LAKE CHARLES	CALCASIEU	5	13,692	16,534	889
LA	MONROE REGIONAL	MLU	MONROE	OUACHITA	5,030	10,219	32,705	10,383
LA	NEW ORLEANS INTL/MOISANT FLD/	MSY	NEW ORLEANS	JEFFERSON	101,868	31,553	28,454	5,500
LA	POLK AAF	POE	FORT POLK	VERNON	1,460	2,596	900	160,000
LA	SHREVEPORT REGIONAL	SHV	SHREVEPORT	CADDO	12,866	25,311	23,925	3,924
MA	BARNES MUNI	BAF	WESTFIELD	HAMPDEN	2	200	33,528	3,726
MA	BARNSTABLE MUNI-BOARDMAN/POLANDO FIELD	HYA	HYANNIS	BARNSTABLE	51,114	60,836	32,606	215
MA	GENERAL EDWARD LAWRENCE LOGAN INTL	BOS	BOSTON	SUFFOLK	246,233	202,391	29,416	620
MA	MARTHAS VINEYARD	MVY	VINEYARD HAVEN	DUKES	8	18,407	27,404	663
MA	NANTUCKET MEMORIAL	ACK	NANTUCKET	NANTUCKET	52	70,890	40,907	1,378
MA	NEW BEDFORD MUNI	EWB	NEW BEDFORD	BRISTOL	13,000	10,600	39,058	1,493
MA	PROVINCETOWN MUNI	PVC	PROVINCETOWN	BARNSTABLE	4,100	2,500	125,000	200
MA	WORCESTER MUNI	ORH	WORCESTER	WORCESTER	454	9,184	26,933	444
MD	BALTIMORE-WASHINGTON INTL	BWI	BALTIMORE	ANNE ARUNDEL	156,024	78,384	37,376	4,774
MD	CUMBERLAND	CBE	CUMBERLAND	MINERAL	3,300	0	6,000	200
MD	OCEAN CITY MUNI	N80	OCEAN CITY	WORCESTER	1,000	250	25,000	50
MD	SALISBURY-WICOMICO COUNTY REGIONAL	SBY	SALISBURY	WICOMICO	18,000	7,000	49,000	19,000
MD	WASHINGTON COUNTY REGIONAL	HGR	HAGERSTOWN	WASHINGTON	40	6,044	30,486	1,353
ME	AUBURN/LEWISTON MUNI	LEW	AUBURN/LEWISTON	ANDROSCOGGIN	3,000	4,000	25,000	10
ME	AUGUSTA STATE	AUG	AUGUSTA	KENNEBEC	13,500	4,000	18,000	1,000
ME	BANGOR INTL	BGR	BANGOR	PENOBSCOT	8,592	22,831	22,307	23,062
ME	HANCOCK COUNTY-BAR HARBOR	BHB	BAR HARBOR	HANCOCK	7,000	0	18,000	400
ME	KNOX COUNTY REGIONAL	RKD	ROCKLAND	KNOX	7,500	500	27,000	125
ME	NORTHERN MAINE REGIONAL ARPT AT PRESQUE	PQI	PRESQUE ISLE	AROOSTOOK	6,500	3,728	750	100
ME	PORTLAND INTL JETPORT	PWM	PORTLAND	CUMBERLAND	13,595	32,124	33,965	2,589
MI	ALPENA COUNTY REGIONAL	APN	ALPENA	ALPENA	2,104	3,200	3,900	13,000
MI	ANTRIM COUNTY	ACB	BELLAIRE	ANTRIM	1	0	10,130	100
MI	BISHOP INTERNATIONAL	FNT	FLINT	GENESEE	3,720	19,293	28,749	1,275
MI	CAPITAL CITY	LAN	LANSING	CLINTON	7,697	33,821	38,211	5,093
MI	CHERRY CAPITAL	TVC	TRAVERSE CITY	GRAND TRAVERSE	3,712	15,888	40,021	7,587
MI	CHIPPEWA COUNTY INTL	CIU	SAULT STE MARIE	CHIPPEWA	627	670	6,700	43
MI	DELTA COUNTY	ESC	ESCANABA	DELTA	6,500	3,000	1,895	20
MI	DETROIT CITY	DET	DETROIT	WAYNE	60	7,940	71,137	354
MI	DETROIT METROPOLITAN WAYNE COUNTY	DTW	DETROIT	WAYNE	316,855	94,316	66,682	1,885
MI	FORD	INT	IRON MOUNTAIN/KINGSFORD	DICKINSON	3,782	800	700	10
MI	GOGEBIC COUNTY	IWD	IRONWOOD	GOGEBIC	3,556	250	6,700	100
MI	HOUGHTON COUNTY MEMORIAL	CMX	HANCOCK	HOUGHTON	7,000	1,095	4,000	340
MI	KALAMAZOO/BATTLE CREEK INTERNATIONAL	AZO	KALAMAZOO	KALAMAZOO	7,392	17,801	44,370	409
MI	KENT COUNTY INTL	GRR	GRAND RAPIDS	KENT	25,345	32,620	54,893	2,430
MI	MANISTEE CO.-BLACKER	MBL	MANISTEE	MANISTEE	626	150	7,150	25
MI	MARQUETTE COUNTY	MQT	MARQUETTE	MARQUETTE	6,594	1,120	4,037	111
MI	MENOMINEE-MARINETTE TWIN COUNTY	MNM	MENOMINEE	MENOMINEE	2,184	350	9,000	10
MI	OAKLAND-PONTIAC	PTK	PONTIAC	OAKLAND	282	22,155	141,207	421
MI	PELLSTON REGIONAL AIRPORT OF EMMET COUNT	PLN	PELLSTON	EMMET	2,000	600	5,600	100
MI	TRI CITY INTERNATIONAL	MBS	SAGINAW	SAGINAW	7,832	10,518	20,263	1,663
MI	WILLOW RUN	YIP	DETROIT	WAYNE	10,275	42,361	33,509	448
MN	BEMIDJI-BELTRAMI COUNTY	BJI	BEMIDJI	BELTRAMI	3,942	2,080	16,500	130
MN	BRAINERD-CROW WING CO REGIONAL	BRD	BRAINERD	CROW WING	5,390	1,200	8,100	400
MN	CHISHOLM-HIBBING	HIB	HIBBING	ST LOUIS	2,912	2,524	7,768	200
MN	DULUTH INTL	DLH	DULUTH	ST LOUIS	3,767	7,952	18,889	14,492
MN	FAIRMONT MUNI	FRM	FAIRMONT	MARTIN	5,512	1,200	2,400	30
MN	FALLS INTL	INL	INTERNATIONAL FALLS	KOOCHICHING	5,760	2,500	20,000	100
MN	GRAND RAPIDS/ITASCA CO-GORDON NEWSTROM F	GPZ	GRAND RAPIDS	ITASCA	2,600	1,500	4,000	60
MN	MANKATO MUNI	MKT	MANKATO	BLUE EARTH	5,000	3,000	13,500	500
MN	MARSHALL MUNI-RYAN FIELD	MLL	MARSHALL	LYON	1,248	6,100	9,000	150
MN	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	MSP	MINNEAPOLIS	HENNEPIN	258,745	121,763	67,033	2,476
MN	ROCHESTER MUNI	RST	ROCHESTER	OLMSTED	6,977	1,430	26,757	7,418
MN	THIEF RIVER FALLS REGIONAL	TVF	THIEF RIVER FALLS	PENNINGTON	3,310	0	5,106	12
MN	WORTHINGTON MUNI	OTG	WORTHINGTON	NOBLES	1,144	312	2,200	700
MO	COLUMBIA REGIONAL	COU	COLUMBIA	BOONE	569	7,388	20,279	1,563
MO	FORNEY AAF	TBN	FORT LEONARD WOOD	PULASKI	1,556	0	1,091	4,308
MO	JOPLIN REGIONAL	JLN	JOPLIN	JASPER	47	10,130	19,845	266
MO	KANSAS CITY DOWNTOWN	MKC	KANSAS CITY	CLAY	223	8,356	85,644	1,005
MO	KANSAS CITY INTL	MCI	KANSAS CITY	PLATTE	127,146	52,107	17,265	1,424
MO	KIRKSVILLE REGIONAL	IRK	KIRKSVILLE	ADAIR	1,600	500	5,000	300
MO	LAMBERT-ST LOUIS INTL	STL	ST LOUIS	ST LOUIS CITY	303,091	114,252	41,056	8,240
MO	SPIRIT OF ST LOUIS	SUS	ST LOUIS	ST LOUIS	9	451	69,585	342
MO	SPRINGFIELD REGIONAL	SGF	SPRINGFIELD	GREENE	7,612	25,615	38,755	11,401
MS	COLUMBUS AFB	CBM	COLUMBUS	LOWNDES	700	0	0	452,820
MS	GOLDEN TRIANGLE REGIONAL	GTR	COLUMBUS/W POINT/STARKVILLE	LOWNDES	15,000	0	9,000	500
MS	GREENVILLE MUNI	GLH	GREENVILLE	WASHINGTON	55	3,154	10,130	10,947
MS	GULFPORT-BILOXI REGNL	GPT	GULFPORT	HARRISON	2,638	16,437	26,190	30,050
MS	HATTIESBURG-LAUREL REGIONAL	PIB	HATTIESBURG/LAUREL	JONES	1,500	3,200	10,000	15,000
MS	JACKSON INTERNATIONAL	JAN	JACKSON	RANKIN	13,367	22,132	19,979	17,893
MS	KEY FIELD	MEI	MERIDIAN	LAUDERDALE	1,500	5,409	12,628	18,876
MS	TUPELO MUNICIPAL - C D LEMONS	TUP	TUPELO	LEE	12,138	3,603	18,017	9,408
MS	UNIVERSITY-OXFORD	UOX	OXFORD	LAFAYETTE	62	4,000	12,600	200
MT	BERT MOONEY	BTM	BUTTE	SILVER BOW	8,840	6,000	6,643	147

AIRPORT DATABASE

State	Airport Name	Airport		County	Operations			
		ID	City		Air Carrier	Air Taxi	General Aviation	Military
MT	BILLINGS LOGAN INTL	BIL	BILLINGS	YELLOWSTONE	11,706	33,053	35,886	1,244
MT	DAWSON COMMUNITY	GDV	GLENDIVE		1,196	1,405	1,500	15
MT	FRANK WILEY FIELD	MLS	MILES CITY	CUSTER	1,248	1,840	4,380	0
MT	GALLATIN FIELD	BZN	BOZEMAN	GALLATIN	13,140	3,444	5,000	488
MT	GLACIER PARK INTL	FCA	KALISPELL	FLATHEAD	10,640	1,825	28,000	250
MT	GLASGOW INTL	GGW	GLASGOW	VALLEY	1,248	1,125	12,983	100
MT	GREAT FALLS INTL	GTF	GREAT FALLS	CASCADE	6,632	16,493	18,472	7,944
MT	HAVRE CITY-COUNTY	HVR	HAVRE	HILL	1,240	850	2,000	48
MT	HELENA REGIONAL	HLN	HELENA	LEWIS AND CLARK	2,053	14,437	19,226	10,281
MT	L M CLAYTON	OLF	WOLF POINT	ROOSEVELT	990	1,920	600	0
MT	LEWISTOWN MUNI	LMT	LEWISTOWN	FERGUS	2,600	350	6,000	700
MT	MISSOULA INTERNATIONAL	MSO	MISSOULA	MISSOULA	4,688	12,933	29,227	698
MT	SIDNEY-RICHLAND MUNI	SDY	SIDNEY	RICHLAND	2,650	2,350	15,500	0
MT	YELLOWSTONE	WYS	WEST YELLOWSTONE	GALLATIN	776	190	11,050	30
NC	ALBERT J ELLIS	OAJ	JACKSONVILLE	ONSLow	5,110	2,300	10,000	8,000
NC	ASHEVILLE REGIONAL	AVL	ASHEVILLE	BUNCOMBE	6,384	16,067	35,019	2,328
NC	CHARLOTTE/DOUGLAS INTL	CLT	CHARLOTTE	MECKLENBURG	261,756	138,216	66,896	4,260
NC	Craven County Regional	EWN	NEW BERN	Craven	8,760	5,360	9,693	1,240
NC	FAYETTEVILLE REGIONAL/GRANNIS FIELD	FAY	FAYETTEVILLE	CUMBERLAND	5,603	11,661	23,717	14,783
NC	HICKORY REGIONAL	HKY	HICKORY	CATAWBA	5,840	7,000	22,000	250
NC	KINSTON REGIONAL JETPORT AT STALLINGS FLI	ISO	KINSTON	LENOIR	67	5,086	16,521	4,116
NC	MOORE COUNTY	SOP	SOUTHERN PINES	MOORE	1,000	3,000	30,000	200
NC	NEW HANOVER INTERNATIONAL	ILM	WILMINGTON	NEW HANOVER	4,423	14,489	28,828	9,562
NC	PIEDMONT TRIAD INTERNATIONAL	GSO	GREENSBORO	GUILFORD	70,704	22,302	53,579	2,149
NC	PITT-GREENVILLE	PGV	GREENVILLE	PITT	12,000	4,500	18,000	500
NC	RALEIGH-DURHAM INTERNATIONAL	RDU	RALEIGH/DURHAM	WAKE	112,126	99,390	64,511	6,469
NC	SMITH REYNOLDS	INT	WINSTON SALEM	FORSYTH	328	4,629	39,159	338
ND	BISMARCK MUNI	BIS	BISMARCK	BURLEIGH	3,361	16,608	24,673	4,374
ND	DEVILS LAKE MUNI	DVL	DEVILS LAKE	RAMSEY	6,134	295	5,410	272
ND	GRAND FORKS INTL	GFK	GRAND FORKS	GRAND FORKS	4,197	9,134	82,583	2,854
ND	HECTOR INTERNATIONAL	FAR	FARGO	CASS	5,513	16,775	31,965	10,037
ND	JAMESTOWN MUNI	JMS	JAMESTOWN	STUTSMAN	3,536	520	3,000	60
ND	MINOT INTL	MOT	MINOT	WARD	2,162	7,281	14,241	3,326
ND	SLOULIN FLD INTL	ISN	WILLISTON	WILLIAMS	4,000	1,100	3,650	50
NE	ALLIANCE MUNI	AIA	ALLIANCE	BOX BUTTE	2,500	500	4,000	200
NE	CENTRAL NEBRASKA REGIONAL	GRI	GRAND ISLAND	HALL	104	11,524	11,797	1,058
NE	CHADRON MUNI	CDR	CHADRON	DAWES	1,200	400	3,500	300
NE	EPPLEY AIRFIELD	OMA	OMAHA	DOUGLAS	41,429	28,337	50,738	3,532
NE	HASTINGS MUNI	HSI	HASTINGS	ADAMS	2,000	400	9,000	100
NE	KARL STEFAN MEMORIAL	OPK	NORFOLK	MADISON	4,000	500	14,000	200
NE	KEARNEY MUNI	EAR	KEARNEY	BUFFALO	1,600	1,000	15,000	300
NE	LINCOLN MUNI	LNK	LINCOLN	LANCASTER	6,930	12,124	36,274	25,832
NE	MC COOK MUNI	MCK	MC COOK	RED WILLOW	2,200	300	10,000	200
NE	NORTH PLATTE REGIONAL	LBF	NORTH PLATTE	LINCOLN	4,824	800	19,000	700
NE	SIDNEY MUNI	SNY	SIDNEY	CHEYENNE	2,000	400	3,500	300
NE	WILLIAM B. HEILIG FIELD	BFF	SCOTTSBLUFF	SCOTTS BLUFF	4,300	500	15,000	400
NH	DILLANT-HOPKINS	EEN	KEENE	CHESHIRE	3,345	710	4,500	2,000
NH	LACONIA MUNI	LCI	LACONIA	BELKNAP	3,126	1,596	32,257	134
NH	LEBANON MUNI	LEB	LEBANON	GRAFTON	33	11,146	19,714	200
NH	MANCHESTER	MHT	MANCHESTER	HILLSBOROUGH	11,308	37,864	34,070	633
NJ	ALLAIRE	BLM	BELMAR/FARMINGDALE	MONMOUTH	3,155	23,230	59,125	30,000
NJ	ATLANTIC CITY INTERNATIONAL	ACY	ATLANTIC CITY	ATLANTIC	11,698	16,002	32,845	33,805
NJ	LINCOLN PARK	N07	LINCOLN PARK	MORRIS	300	4,500	24,000	200
NJ	MERCER COUNTY	TTN	TRENTON	MERCER	7	2,225	78,727	6,934
NJ	NEWARK INTL	EWK	NEWARK	ESSEX	304,782	116,249	20,544	422
NM	ALAMOGORDO-WHITE SANDS REGIONAL	ALM	ALAMOGORDO	OTERO	2,000	500	10,000	800
NM	ALBUQUERQUE INTL	ABQ	ALBUQUERQUE	BERNALILLO	77,978	41,349	67,424	29,929
NM	CAVERN CITY AIR TRML	CNM	CARLSBAD	EDDY	5,400	200	7,500	200
NM	CLOVIS MUNI	CVN	CLOVIS	CURRY	1,260	1,600	22,000	140
NM	DOUBLE EAGLE II	ABG	ALBUQUERQUE	BERNALILLO	12,775	0	9,125	1,825
NM	GALLUP MUNICIPAL	GUP	GALLUP	MC KINLEY	5,138	3,000	12,213	1,200
NM	GRANT COUNTY	SVC	SILVER CITY	GRANT	1,240	1,200	4,300	300
NM	LAS CRUCES INTERNATIONAL	LRU	LAS CRUCES	DONA ANA	2,658	2,500	21,000	2,784
NM	LEA COUNTY/HOBBS/	HOB	HOBBS	LEA	4,618	4,414	14,176	2,158
NM	LOS ALAMOS	LAM	LOS ALAMOS	LOS ALAMOS	2,613	0	1,050	4
NM	ROSWELL INDUSTRIAL AIR CENTER	ROW	ROSWELL	CHAVES	25	10,149	22,573	43,124
NM	TAOS MUNI	SKX	TAOS	TAOS	1,956	300	8,500	0
NV	DESERT ROCK	DRA	MERCURY	NYE	1,600	1,600	500	1,000
NV	ELKO MUNI-J.C. HARRIS FIELD	EKO	ELKO	ELKO	703	10,000	1,500	300
NV	ELY ARPT /YELLAND FLD/	ELY	ELY	WHITE PINE	900	2,500	6,000	100
NV	MC CARRAN INTL	LAS	LAS VEGAS	CLARK	229,497	104,395	116,422	17,280
NV	RENO CANNON INTL	RNO	RENO	WASHOE	60,961	31,895	50,944	7,262
NV	TONOPAH	TPH	TONOPAH	NYE	149	3,135	1,540	220
NY	ADIRONDACK	SLK	SARANAC LAKE	FRANKLIN	3,370	3,600	14,560	2,000
NY	ALBANY COUNTY	ALB	ALBANY	ALBANY	26,478	72,888	43,683	9,002
NY	BINGHAMTON REGIONAL/EDWIN A LINK FIELD	BGM	BINGHAMTON	BROOME	2,880	24,256	13,408	788
NY	BROOKHAVEN	HVV	SHIRLEY	SUFFOLK	200	0	45,000	100
NY	CHAUTAUQUA COUNTY/JAMESTOWN	JHW	JAMESTOWN	CHAUTAUQUA	8,841	170	7,001	302
NY	CLINTON CO	PLB	PLATTSBURGH	CLINTON	10,000	150	6,000	0
NY	DUTCHESS COUNTY	POU	POUGHKEEPSIE	DUTCHESS	2,334	3,675	66,738	1,435
NY	EAST HAMPTON	HTO	EAST HAMPTON	SUFFOLK	40,000	3,200	31,350	50
NY	ELMIRA/CORNING REGIONAL	ELM	ELMIRA	CHEMUNG	2,847	10,935	20,962	701
NY	GREATER BUFFALO INTL	BUF	BUFFALO	ERIE	57,405	34,004	38,548	4,226
NY	GREATER ROCHESTER INTERNATIONAL	ROC	ROCHESTER	MONROE	46,879	44,704	45,820	2,111
NY	GREENVILLE-RAINBOW	NY25	GREENVILLE	GREENE	100	0	500	30

AIRPORT DATABASE

State	Airport Name	Airport		County	Operations			
		ID	City		Air Carrier	Air Taxi	General Aviation	Military
NY	JOHN F KENNEDY INTL	JFK	NEW YORK	QUEENS	214,469	123,948	13,769	308
NY	LA GUARDIA	LGA	NEW YORK	QUEENS	250,039	67,227	18,014	259
NY	LONG ISLAND MAC ARTHUR	ISP	ISLIP	SUFFOLK	10,305	27,761	76,939	4,309
NY	MASSENA INTL-RICHARDS FIELD	MSS	MASSENA	ST LAWRENCE	3,536	660	4,150	550
NY	MONTAUK	MTP	MONTAUK	SUFFOLK	7,170	5,000	7,500	0
NY	NIAGARA FALLS INTL	IAG	NIAGARA FALLS	NIAGARA	309	369	27,480	27,131
NY	OGDENSBURG INTL	OGS	OGDENSBURG	ST LAWRENCE	1,095	0	1,050	250
NY	ONEIDA COUNTY	UCA	UTICA	ONEIDA	141	15,923	24,850	2,811
NY	STEWART INT'L	SWF	NEWBURGH	ORANGE	12,001	13,004	31,792	9,799
NY	SULLIVAN COUNTY INTL	MSV	MONTICELLO	SULLIVAN	39	210	19,588	171
NY	SYRACUSE HANCOCK INTL	SYR	SYRACUSE	ONONDAGA	38,978	65,355	38,798	8,554
NY	TOMPKINS COUNTY	ITH	ITHACA	TOMPKINS	1,880	14,440	17,681	254
NY	WARREN COUNTY	GFL	GLENS FALLS	WARREN	25	1,864	4,222	78
NY	WATERTOWN INTERNATIONAL	ART	WATERTOWN	JEFFERSON	3,600	500	6,000	16,000
NY	WESTCHESTER COUNTY	HPN	WHITE PLAINS	WESTCHESTER	11,391	34,622	104,615	288
OH	AIRBORNE AIRPARK	ILN	WILMINGTON	CLINTON	40,000	0	2,000	0
OH	AKRON-CANTON REGIONAL	CAK	AKRON	SUMMIT	6,229	20,473	53,866	12,495
OH	BURKE LAKEFRONT	BKL	CLEVELAND	CUYAHOGA	10	12,812	32,891	798
OH	CARL R KELLER FIELD	PCW	PORT CLINTON	OTTAWA	5,840	11,000	10,000	750
OH	CLEVELAND-HOPKINS INTL	CLE	CLEVELAND	CUYAHOGA	117,908	107,971	31,007	3,593
OH	JAMES M COX DAYTON INTL	DAY	DAYTON	MONTGOMERY	72,657	29,180	47,095	2,443
OH	KELLEYS ISLAND LAND FLD	89D	KELLEYS ISLAND	ERIE	5,000	3,695	9,500	0
OH	MANSFIELD LAHM MUNI	MPD	MANSFIELD	RICHLAND	48	587	23,780	9,996
OH	PORT COLUMBUS INTL	CMH	COLUMBUS	FRANKLIN	87,888	62,112	50,833	1,926
OH	PUT IN BAY	OH30	PUT IN BAY	OTTAWA	3,200	1,800	6,000	10
OH	SPRINGFIELD-BECKLEY MUNI	SGH	SPRINGFIELD	CLARK	6	2,500	18,500	10,000
OH	TOLEDO EXPRESS	TOL	TOLEDO	LUCAS	20,852	21,250	32,108	8,650
OH	YOUNGSTOWN MUNI	YNG	YOUNGSTOWN	TRUMBULL	1,570	7,368	31,363	12,993
OK	ENID WOODRING MUNI	WDG	ENID	GARFIELD	1,405	1,388	14,246	8,994
OK	LAWTON MUNI	LAW	LAWTON	COMANCHE	2	9,131	6,731	20,725
OK	PONCA CITY MUNI	PNC	PONCA CITY	KAY	1,872	2,700	31,000	2,000
OK	STILLWATER MUNI	SWO	STILLWATER	PAYNE	445	1,500	29,000	1,500
OK	TULSA INTL	TUL	TULSA	TULSA	51,733	9,840	86,607	26,034
OK	WILL ROGERS WORLD	OKC	OKLAHOMA CITY	OKLAHOMA	47,881	11,469	60,518	25,573
OR	KLAMATH FALLS INTERNATIONAL	LMT	KLAMATH FALLS	KLAMATH	5,389	9,337	22,858	26,396
OR	MAHLON SWEET FIELD	EUG	EUGENE	LANE	6,769	21,121	51,246	3,928
OR	MCNARY FLD	SLE	SALEM	MARION	99	926	32,678	5,183
OR	MEDFORD-JACKSON COUNTY	MFR	MEDFORD	JACKSON	2,953	14,016	34,167	393
OR	NORTH BEND MUNI	OTH	NORTH BEND	COOS	3,536	150	16,153	3,822
OR	PENDLETON MUNI	PDT	PENDLETON	UMATILLA	1,706	6,865	21,603	2,231
OR	PORTLAND INTL	PDX	PORTLAND	MULTNOMAH	98,959	114,414	49,847	12,135
OR	ROBERTS FIELD	RDM	REDMOND	DESCHUTES	14,250	2,000	9,000	1,750
PA	ALLENTOWN-BETHLEHEM-EASTON	ABE	ALLENTOWN	LEHIGH	16,675	22,366	45,386	5,542
PA	ALTOONA-BLAIR COUNTY	AOO	ALTOONA	BLAIR	6,000	3,000	24,000	300
PA	BRADFORD REGIONAL	BFD	BRADFORD	MC KEAN	3,274	300	1,500	1,000
PA	CHESS-LAMBERTON	FKL	FRANKLIN	VENANGO	2,780	72	4,686	56
PA	DU BOIS-JEFFERSON COUNTY	DUJ	DU BOIS	JEFFERSON	3,766	1,176	4,370	506
PA	ERIE INTL	ERI	ERIE	ERIE	2,958	9,546	28,790	1,099
PA	GREATER PITTSBURGH INTL	PIT	PITTSBURGH	ALLEGHENY	277,854	128,344	21,367	7,868
PA	HARRISBURG INTERNATIONAL	MDT	HARRISBURG	DAUPHIN	20,216	29,742	19,331	8,810
PA	JOHNSTOWN-CAMBRIA COUNTY	JST	JOHNSTOWN	CAMBRIA	5,846	8,200	21,000	500
PA	LANCASTER	LNS	LANCASTER	LANCASTER	12,867	10,935	70,678	7,526
PA	PHILADELPHIA INTL	PHL	PHILADELPHIA	PHILADELPHIA	219,170	132,309	45,965	5,401
PA	READING REGIONAL/CARL A SPAATZ FIELD	RDG	READING	BERKS	82	10,415	57,584	5,332
PA	UNIVERSITY PARK	UNV	STATE COLLEGE	CENTRE	11,600	2,400	10,960	480
PA	WESTMORELAND COUNTY	LBE	LATROBE	WESTMORELAND	3,764	346	38,923	1,725
PA	WILKES-BARRE/SCRANTON INTL	AVP	WILKES-BARRE/SCRANTON	LUZERNE	5,127	16,156	24,894	2,546
PA	WILLIAMSPORT-LYCOMING COUNTY	IPT	WILLIAMSPORT	LYCOMING	8	7,518	23,232	537
PA	WINGS FIELD	N67	PHILADELPHIA	MONTGOMERY	4,500	2,500	11,100	100
RI	BLOCK ISLAND STATE	BID	BLOCK ISLAND	WASHINGTON	8,998	230	12,735	4
RI	THEODORE FRANCIS GREEN STATE	PVD	PROVIDENCE	KENT	30,100	38,589	37,892	2,877
RI	WESTERLY STATE	WST	WESTERLY	WASHINGTON	8,165	2,000	8,000	34
SC	CHARLESTON AFB/INTL	CHS	CHARLESTON	CHARLESTON	30,242	3,341	32,937	77,822
SC	COLUMBIA METROPOLITAN	CAE	COLUMBIA	LEXINGTON	16,888	24,344	38,258	9,974
SC	FLORENCE REGIONAL	FLO	FLORENCE	FLORENCE	2	9,552	21,496	2,302
SC	GREENVILLE-SPARTANBURG	GSP	GREER	GREENVILLE	23,497	14,809	20,148	2,822
SC	HILTON HEAD	49J	HILTON HEAD ISLAND	BEAUFORT	8,215	7,072	36,500	250
SC	RUSSELL	SC17	HOLLY HILL	ORANGEBURG	8,215	0	0	0
SD	ABERDEEN REGIONAL	ABR	ABERDEEN	BROWN	12,240	15,150	13,326	876
SD	BROOKINGS MUNI	BKX	BROOKINGS	BROOKINGS	3,000	1,650	4,000	200
SD	CHAN GURNEY MUNI	YKN	YANKTON	YANKTON	2,000	2,500	6,000	0
SD	HURON REGIONAL	HON	HURON	BEADLE	1,235	3,390	19,408	560
SD	JOE FOSS FIELD	FSD	SIOUX FALLS	MINNEHAHA	11,097	15,393	39,284	10,197
SD	MITCHELL MUNI	MHE	MITCHELL	DAVISON	3,450	700	7,400	400
SD	PIERRE MUNI	PIR	PIERRE	HUGHES	1,460	965	17,000	105
SD	RAPID CITY REGIONAL	RAP	RAPID CITY	PENNINGTON	3,355	14,773	22,389	6,215
SD	WATERTOWN MUNI	ATY	WATERTOWN	CODINGTON	20,850	5,400	6,000	350
TN	LOVELL FIELD	CHA	CHATTANOOGA	HAMILTON	7,389	17,784	52,368	6,107
TN	MC GHEE TYSON	TYS	KNOXVILLE	BLOUNT	20,633	26,386	57,669	13,021
TN	MC KELLAR-SIPES REGIONAL	MKL	JACKSON	MADISON	1,806	2,190	31,306	1,887
TN	MEMPHIS INTL	MEM	MEMPHIS	SHELBY	177,563	100,128	61,153	6,470
TN	NASHVILLE INTERNATIONAL	BNA	NASHVILLE	DAVIDSON	111,862	117,750	60,948	4,998
TN	TRI-CITY REGIONAL	TRI	BRISTOL/JOHNSON/KINGSPOR	SULLIVAN	7,301	16,273	35,961	989
TX	ABILENE REGIONAL	ABI	ABILENE	TAYLOR	225	19,290	30,972	27,595
TX	AMARILLO INTL	AMA	AMARILLO	POTTER	10,541	10,322	19,571	37,469

AIRPORT DATABASE

State	Airport Name	Airport		County	Operations				
		ID	City		Air Carrier	Air Taxi	General Aviation	Military	
TX	BROWNSVILLE/SOUTH PADRE ISLAND INT'L	BRO	BROWNSVILLE	CAMERON	3,535	2,044	38,795	3,309	
TX	BROWNWOOD MUNI	BWD	BROWNWOOD	BROWN	750	0	2,800	240	
TX	CORPUS CHRISTI INTL	CRP	CORPUS CHRISTI	NUECES	16,954	15,519	35,823	48,481	
TX	COX FLD	PRX	PARIS	LAMAR	1,064	0	3,500	360	
TX	DALLAS LOVE FIELD	DAL	DALLAS	DALLAS	93,501	31,901	90,434	1,495	
TX	DALLAS/FORT WORTH INTERNATIONAL	DFW	DALLAS-FORT WORTH	TARRANT	611,487	205,509	13,392	747	
TX	EASTERWOOD FIELD	CLL	COLLEGE STATION	BRAZOS	24	13,305	26,342	9,134	
TX	EL PASO INTL	ELP	EL PASO	EL PASO	61,487	8,418	59,624	5,440	
TX	ELLINGTON FIELD	EFD	HOUSTON	HARRIS	45,375	1,872	16,820	37,279	
TX	FORT WORTH ALLIANCE	AFW	FORT WORTH	TARRANT	1,057	103	30,670	1,502	
TX	FORT WORTH MEACHAM	FTW	FORT WORTH	TARRANT	332	937	115,629	894	
TX	GREGG COUNTY	GGG	HONGVIEW	GREGG	70	10,063	30,504	3,612	
TX	HOUSTON INTERCONTINENTAL	IAH	HOUSTON	HARRIS	243,248	65,208	42,734	1,195	
TX	JEFFERSON COUNTY	BPT	BEAUMONT/PORT ARTHUR	JEFFERSON	44	19,192	15,868	648	
TX	KILLEEN MUNI	ILE	KILLEEN	BELL	11,680	0	6,400	3,640	
TX	LAREDO INTL	LRD	LAREDO	WEBB	2,831	16,394	27,042	10,068	
TX	LUBBOCK INTL	LBB	LUBBOCK	LUBBOCK	20,670	16,216	31,744	21,778	
TX	MATHIS FIELD	SJT	SAN ANGELO	TOM GREEN	23	11,703	27,727	16,052	
TX	MIDLAND INTERNATIONAL	MAF	MIDLAND	MIDLAND	17,061	10,137	21,210	30,596	
TX	MILLER INTL	MFE	MC ALLEN	HIDALGO	7,028	8,704	34,225	1,657	
TX	RIO GRANDE VALLEY INTL	HRL	HARLINGEN	CAMERON	13,206	5,915	15,805	7,010	
TX	ROBERT MUELLER MUNI	AUS	AUSTIN	TRAVIS	71,531	22,538	90,202	5,110	
TX	SAN ANTONIO INTL	SAT	SAN ANTONIO	BEXAR	83,998	38,158	99,012	9,555	
TX	SHEPPARD AFB/WICHITA FALLS MUNI	SPS	WICHITA FALLS	WICHITA	10,972	0	16,382	23,000	
TX	VICTORIA REGIONAL	VCT	VICTORIA	VICTORIA	3,438	1,800	7,930	0	
TX	WACO REGIONAL	ACT	WACO	MC LENNAN	521	10,608	23,236	6,135	
TX	WILLIAM P HOBBY	HOU	HOUSTON	HARRIS	116,982	6,092	112,351	145	
UT	CANYONLANDS FIELD	CNY	MOAB	GRAND	2,000	3,200	6,250	0	
UT	CEDAR CITY MUNI	CDC	CEDAR CITY	IRON	3,770	4,380	15,500	50	
UT	OGDEN-HINCKLEY	OGD	OGDEN	WEBER	248	281	37,388	1,409	
UT	SALT LAKE CITY INTL	SLC	SALT LAKE CITY	SALT LAKE	179,584	72,998	85,868	4,438	
UT	ST GEORGE MUNI	SGU	ST GEORGE	WASHINGTON	8,030	1,274	14,000	50	
UT	VERNAL	VEL	VERNAL	UINTAH	1,248	1,460	8,000	0	
VA	ACCOMACK COUNTY	MFV	MELFA	ACCOMACK	48	2,500	1,200	100	
VA	CHARLOTTESVILLE-ALBEMARLE	CHO	CHARLOTTESVILLE	ALBEMARLE	13	20,351	23,308	3,059	
VA	CHESTERFIELD COUNTY	W98	RICHMOND	CHESTERFIELD	47	235	24,000	700	
VA	DANVILLE REGIONAL	DAN	DANVILLE	PITTSYLVANIA	2,000	150	15,000	200	
VA	INGALLS FIELD	HSP	HOT SPRINGS	BATH	1,080	0	6,100	250	
VA	LYNCHBURG REGIONAL/PRESTON GLENN FIELD	LYH	LYNCHBURG	CAMPBELL	14	15,302	24,654	1,330	
VA	NEWPORT NEWS/WILLIAMSBURG INTERNATIONAL	PHF	NEWPORT NEWS	NEWPORT NEWS	2,780	17,124	55,049	47,200	
VA	NORFOLK INTL	ORF	NORFOLK	NORFOLK	51,135	22,586	60,951	11,289	
VA	RICHMOND INTL (BYRD FIELD)	RIC	RICHMOND	HENRICO	38,985	31,677	53,932	20,576	
VA	ROANOKE REGIONAL/WOODRUM FIELD	ROA	ROANOKE	ROANOKE	8,437	31,819	31,051	1,628	
VA	SHENANDOAH VALLEY REGIONAL	SHD	STAUNTON/WAYNESB/HARRISON	AUGUSTA	2,309	901	0	122	
VT	BURLINGTON INTL	BTV	BURLINGTON	CHITTENDEN	7,909	39,505	28,553	11,087	
WA	ANACORTES	74S	ANACORTES	SKAGIT	7,300	3,800	20,000	404	
WA	BELLINGHAM INTL	BLI	BELLINGHAM	WHATCOM	813	19,398	39,052	1,472	
WA	BOEING FIELD/KING COUNTY INTL	BFI	SEATTLE	KING	5,452	35,564	230,877	3,273	
WA	GRANT COUNTY	MWH	MOSES LAKE	GRANT	6,806	4,900	21,970	11,018	
WA	OAK HARBOR AIR PARK	76S	OAK HARBOR	ISLAND	3,775	228	10,924	0	
WA	PANGBORN MEMORIAL	EAT	WENATCHEE	DOUGLAS	10,000	6,000	36,000	500	
WA	PULLMAN/MOSCOW REGIONAL	PWU	PULLMAN/MOSCOW, ID	WHITMAN	14,004	100	25,100	24	
WA	SEATTLE-TACOMA INTL	SEA	SEATTLE	KING	208,259	128,606	7,767	249	
WA	SEQUIM VALLEY	WN41	SEQUIM	CLALLAM	1,080	0	5,500	0	
WA	SKAGIT REGIONAL/BAY VIEW	75S	BURLINGTON/MOUNT VERNON	SKAGIT	180	4,000	26,780	100	
WA	SNOHOMISH COUNTY (PAINE FLD)	PAE	EVERETT	SNOHOMISH	2,733	1,421	86,822	5,892	
WA	SPOKANE INTL	GEG	SPOKANE	SPOKANE	32,867	46,325	25,705	4,057	
WA	TRI-CITIES	PSC	PASCO	FRANKLIN	2,645	21,807	28,088	2,597	
WA	WALLA WALLA REGIONAL	ALW	WALLA WALLA	WALLA WALLA	6,491	6,324	20,571	508	
WA	WILLIAM R FAIRCHILD INTL	CLM	PORT ANGELES	CLALLAM	12,712	100	29,700	750	
WA	YAKIMA AIR TERMINAL	YKM	YAKIMA	YAKIMA	672	19,273	28,314	6,667	
WI	AUSTIN STRAUBEL INTERNATIONAL	GRB	GREEN BAY	BROWN	9,612	13,351	33,481	2,066	
WI	CENTRAL WISCONSIN	CWA	MOSINEE	MARATHON	6,824	9,431	11,642	163	
WI	CHIPPEWA VALLEY REGIONAL	EAU	EAU CLAIRE	CHIPPEWA	11,019	3,796	28,507	402	
WI	DANE COUNTY REGIONAL-TRUAX FIELD	MSN	MADISON	DANE	17,417	13,855	54,707	9,757	
WI	DOOR COUNTY CHERRYLAND	SUE	STURGEON BAY	DOOR	2,500	2,400	18,750	300	
WI	EAGLE RIVER UNION	EGV	EAGLE RIVER	VILAS	200	1,500	8,000	50	
WI	GENERAL MITCHELL INTERNATIONAL	MKE	MILWAUKEE	MILWAUKEE	80,093	64,579	49,012	5,416	
WI	KENOSHA REGIONAL	ENW	KENOSHA	KENOSHA	300	9,900	42,000	2,000	
WI	LA CROSSE MUNI	LSE	LA CROSSE	LA CROSSE	2,380	12,707	35,919	3,642	
WI	LAKELAND/NOBLE F. LEE MEMORIAL FIELD	ARV	MINOCQUA/WOODRUFF	VILAS	1,100	2,200	15,000	10	
WI	MANITOWOC COUNTY	MTW	MANITOWOC	MANITOWOC	3,328	1,460	9,070	0	
WI	OUTAGAMIE COUNTY	ATW	APPLETON	OUTAGAMIE	8,037	13,236	32,000	156	
WI	RHINELANDER-ONEIDA COUNTY	RHI	RHINELANDER	ONEIDA	5,602	300	14,200	98	
WI	RICHLAND	93C	RICHLAND CENTER	RICHLAND	4	100	4,000	100	
WI	ROCK COUNTY	JVL	JANESVILLE	ROCK	422	4,344	48,658	1,420	
WI	WITTMAN REGIONAL	OSH	OSHKOSH	WINNEBAGO	1,229	276	40,258	2,084	
WV	BENEDUM	CKB	CLARKSBURG	HARRISON	2	7,122	21,214	13,273	
WV	ELKINS-RANDOLPH CO-JENNINGS RANDOLPH FLD	EKN	ELKINS	RANDOLPH	2,200	0	4,000	350	
WV	GREENBRIER VALLEY	LWB	LEWISBURG	GREENBRIER	95	2,215	12,609	635	
WV	MERCER COUNTY	BLF	BLUEFIELD	MERCER	2,584	500	9,100	100	
WV	MORGANTOWN MUNI-WALTER L. BILL HART FLD	MGW	MORGANTOWN	MONONGALIA	11,056	10,748	23,208	6,034	
WV	RALEIGH COUNTY MEMORIAL	BKW	BECKLEY	RALEIGH	4,015	3,500	4,000	900	
WV	TRI-STATE/MILTON J. FERGUSON FIELD	HTS	HUNTINGTON	WAYNE	2,705	11,176	16,550	1,229	
WV	WOOD COUNTY AIRPORT GILL ROBB WILSON FLD	PKB	PARKERSBURG	WOOD	2	7,078	19,567	13,778	

AIRPORT DATABASE

State	Airport Name	Airport		County	Operations			
		ID	City		Air Carrier	Air Taxi	General Aviation	Military
WV	YEAGER	CRW	CHARLESTON	KANAWHA	6,935	23,264	34,977	7,414
WY	CHEYENNE	CYS	CHEYENNE	LARAMIE	181	13,621	18,128	13,154
WY	GILLETTE-CAMPBELL COUNTY	GCC	GILLETTE	CAMPBELL	2,945	8,057	11,050	150
WY	JACKSON HOLE	JAC	JACKSON	TETON	5,188	2,609	14,208	50
WY	LARAMIE REGIONAL	LAR	LARAMIE	ALBANY	3,651	1,000	7,500	300
WY	NATRONA COUNTY INTL	CPR	CASPER	NATRONA	1,792	16,211	18,686	926
WY	RIVERTON REGIONAL	RIW	RIVERTON	FREMONT	4,361	67	5,600	56
WY	ROCK SPRINGS-SWEETWATER COUNTY	RKS	ROCK SPRINGS	SWEETWATER	1,494	939	8,736	224
WY	SHERIDAN COUNTY	SHR	SHERIDAN	SHERIDAN	3,416	1,810	10,770	350
WY	WORLAND MUNI	WRL	WORLAND	WASHAKIE	1,460	1,297	2,300	10
WY	YELLOWSTONE REGIONAL	COD	CODY	PARK	2,920	3,250	14,500	20

APPENDIX 2

U.S. COMMERCIAL SERVICE AIRPORT DATABASE

- * Ozone Nonattainment Status**
- * Carbon Monoxide Nonattainment Status**
- * Ozone Transport Region**

AIRPORT DATABASE

State	Airport Name	Airport		Current Ozone		Current CO		Ozone Transport Region
		ID	City	Nonattainment	Status	Nonattainment	Status	
AL	ANNISTON METROPOLITAN	ANB	ANNISTON					
AL	BIRMINGHAM	BHM	BIRMINGHAM	Marginal				
AL	DANNELLY FIELD	MGM	MONTGOMERY					
AL	GADSDEN MUNI	GAD	GADSDEN					
AL	HUNTSVILLE INTL-CARL T JONES FIELD	HSV	HUNTSVILLE					
AL	MOBILE REGIONAL	MOB	MOBILE					
AL	MUSCLE SHOALS REGIONAL	MSL	MUSCLE SHOALS					
AL	TALLADEGA MUNI	ASN	TALLADEGA					
AL	TUSCALOOSA MUNI	TCL	TUSCALOOSA					
AR	ADAMS FIELD	LIT	LITTLE ROCK					
AR	BAXTER COUNTY REGIONAL	BPK	MOUNTAIN HOME					
AR	BOONE COUNTY	HRO	HARRISON					
AR	DRAKE FIELD	FVY	FAYETTEVILLE					
AR	FORT SMITH REGIONAL	FSM	FORT SMITH					
AR	HARRELL FIELD	CDH	CAMDEN					
AR	JONESBORO MUNI	JBR	JONESBORO					
AR	MEMORIAL FIELD	HOT	HOT SPRINGS					
AR	SOUTH ARKANSAS REGIONAL AT GOODWIN FIELD	ELD	EL DORADO					
AR	SPRINGDALE MUNI	ASG	SPRINGDALE					
AR	TEXARKANA REGIONAL-WEBB FIELD	TXK	TEXARKANA					
AZ	ERNEST A. LOVE FIELD	PRC	PRESCOTT					
AZ	FLAGSTAFF PULLIAM	FLG	FLAGSTAFF					
AZ	GRAND CANYON NATIONAL PARK	GCN	GRAND CANYON					
AZ	KINGMAN	IGM	KINGMAN					
AZ	LAUGHLIN / BULLHEAD CITY	P06	BULLHEAD CITY					
AZ	NOGALES INTL	OLS	NOGALES					
AZ	PAGE MUNI	PGA	PAGE					
AZ	PHOENIX SKY HARBOR INTL	PHX	PHOENIX	Moderate		Moderate	<= 12.7ppm (P)	
AZ	PHOENIX-GOODYEAR MUNICIPAL	GYR	GOODYEAR	Moderate		Moderate	<= 12.7ppm (P)	
AZ	SEDONA	SEZ	SEDONA					
AZ	TUCSON INTL	TUS	TUCSON				Not Classified (P)	
AZ	WHITERIVER	E24	WHITERIVER					
AZ	YUMA MCAS/YUMA INTL	YUM	YUMA					
CA	ARCATA	ACV	ARCATA/EUREKA					
CA	BERMUDA DUNES	UDD	PALM SPRINGS	Extreme (P2)			Serious (P)	
CA	BISHOP	BIH	BISHOP					
CA	BUCHANAN FIELD	CCR	CONCORD	Moderate			Moderate <= 12.7ppm (P)	
CA	BURBANK-GLENDALE-PASADENA	BUR	BURBANK	Extreme (P2)			Serious (P)	
CA	FRESNO AIR TERMINAL	FAT	FRESNO	Serious			Moderate > 12.7ppm (P)	
CA	IMPERIAL COUNTY	IPL	IMPERIAL	Transitional				
CA	INYOKERN	IYK	INYOKERN	Serious			Not Classified (P)	
CA	JACK MC NAMARA FIELD	CEC	CRESCENT CITY					
CA	JOHN WAYNE AIRPORT-ORANGE COUNTY	SNA	SANTA ANA	Extreme			Serious	
CA	LAKE TAHOE	TVL	SOUTH LAKE TAHOE	Serious (P)			Moderate <= 12.7ppm (P)	
CA	LONG BEACH /DAUGHERTY FIELD/	LGB	LONG BEACH	Extreme (P2)			Serious (P)	
CA	LOS ANGELES INTL	LAX	LOS ANGELES	Extreme (P2)			Serious (P)	
CA	MAMMOTH - JUNE LAKES	MMH	MAMMOTH LAKES					
CA	MC CLELLAN-PALOMAR	CRQ	CARLSBAD	Serious			Moderate <= 12.7ppm (P)	
CA	MEADOWS FIELD	BFL	BAKERSFIELD	Serious			Not Classified (P)	
CA	MERCED MUNICIPAL/MACREADY FIELD	MCE	MERCED	Serious				
CA	METROPOLITAN OAKLAND INTL	OAK	OAKLAND	Moderate			Moderate <= 12.7ppm (P)	
CA	MONTEREY PENINSULA	MRY	MONTEREY	Moderate				
CA	ONTARIO INTL	ONT	ONTARIO	Extreme (P2)			Serious (P)	
CA	PALM SPRINGS REGIONAL	PSP	PALM SPRINGS	Extreme (P2)			Serious (P)	
CA	PALMDALE PRODN FLT/TEST INSTLN AF PLANT	PMD	PALMDALE	Extreme (P2)			Serious (P)	
CA	REDDING MUNI	RDD	REDDING					
CA	SACRAMENTO METROPOLITAN	SMF	SACRAMENTO	Serious			Moderate <= 12.7ppm (P)	
CA	SAN DIEGO INTL-LINDBERGH FLD	SAN	SAN DIEGO	Serious			Moderate <= 12.7ppm (P)	
CA	SAN FRANCISCO INTL	SFO	SAN FRANCISCO	Moderate			Moderate <= 12.7ppm (P)	
CA	SAN JOSE INTERNATIONAL	SJC	SAN JOSE	Moderate			Moderate <= 12.7ppm (P)	
CA	SAN LUIS OBISPO COUNTY-MC CHESNEY FIELD	SBP	SAN LUIS OBISPO					
CA	SANTA BARBARA MUNI	SBA	SANTA BARBARA	Moderate				
CA	SANTA MARIA PUBLIC	SMX	SANTA MARIA	Moderate				
CA	SONOMA COUNTY	STS	SANTA ROSA	Moderate (P)			Moderate <= 12.7ppm (P)	
CA	STOCKTON METROPOLITAN	SCK	STOCKTON	Serious			Moderate <= 12.7ppm (P)	
CA	VAN NUYS	VNY	VAN NUYS	Extreme (P2)			Serious (P)	
CA	VISALIA MUNI	VIS	VISALIA	Serious				
CO	ASPEN-PITKIN CO/SARDY FIELD	ASE	ASPEN					
CO	CITY OF COLORADO SPRINGS MUNI	COS	COLORADO SPRINGS				Moderate <=12.7ppm (P)	
CO	CORTEZ-MONTEZUMA COUNTY	CEZ	CORTEZ					
CO	DURANGO-LA PLATA COUNTY	DRO	DURANGO					
CO	EAGLE COUNTY REGIONAL	EGE	EAGLE					
CO	FORT COLLINS-LOVELAND MUNI	FNL	FORT COLLINS/LOVELAND				Moderate <=12.7ppm (P)	
CO	GARFIELD COUNTY REGIONAL	RIL	RIFLE					
CO	GUNNISON COUNTY	GUC	GUNNISON					
CO	LAMAR MUNI	LAA	LAMAR					
CO	MONTROSE REGIONAL	MTJ	MONTROSE					
CO	PUEBLO MEMORIAL	PUB	PUEBLO					
CO	SAN LUIS VALLEY REGIONAL/BERGMAN FIELD	ALS	ALAMOSA					

AIRPORT DATABASE

State	Airport Name	Airport		Current Ozone		Current CO	Ozone Transport Region
		ID	City	Nonattainment	Status	Nonattainment Status	
CO	STAPLETON INTL	DEN	DENVER	Transitional		Moderate >12.7ppm	
CO	TELLURIDE REGIONAL	TEX	TELLURIDE				
CO	WALKER FIELD	GJT	GRAND JUNCTION				
CO	YAMPA VALLEY	HDN	HAYDEN				
CT	BRADLEY INTL	BDL	WINDSOR LOCKS	Serious		Moderate <=12.7ppm	X
CT	GROTON-NEW LONDON	GON	GROTON/NEW LONDON/	Serious			X
CT	IGOR I SIKORSKY MEMORIAL	BDR	BRIDGEPORT			Moderate >12.7ppm	X
CT	TWEED-NEW HAVEN	HVN	NEW HAVEN	Serious		Not Classified	X
DC	WASHINGTON DULLES INTERNATIONAL	IAD	WASHINGTON	Serious			X
DC	WASHINGTON NATIONAL	DCA	WASHINGTON	Serious			X
DE	NEW CASTLE COUNTY	ILG	WILMINGTON	Severe-15			X
FL	CENTRAL FLORIDA REGIONAL	SPB	ORLANDO				
FL	DADE-COLLIER TRAINING AND TRANSITION	TNT	MIAMI	Moderate			
FL	DAYTONA BEACH REGIONAL	DAB	DAYTONA BEACH				
FL	FORT LAUDERDALE/HOLLYWOOD INTL	FLL	FORT LAUDERDALE	Moderate			
FL	GAINESVILLE REGIONAL	GNV	GAINESVILLE				
FL	JACKSONVILLE INTL	JAX	JACKSONVILLE				
FL	KEY WEST INTL	EYW	KEY WEST				
FL	MARATHON	MTH	MARATHON				
FL	MELBOURNE REGIONAL	MLB	MELBOURNE				
FL	MIAMI INTL	MIA	MIAMI	Moderate			
FL	NASA SHUTTLE LANDING FACILITY	X68	TITUSVILLE				
FL	ORLANDO INTL	MCO	ORLANDO				
FL	PALM BEACH INTL	PBI	WEST PALM BEACH	Moderate			
FL	PANAMA CITY-BAY COUNTY	PFN	PANAMA CITY				
FL	PENSACOLA REGIONAL	PNS	PENSACOLA				
FL	SARASOTA-BRADENTON	SRQ	SARASOTA/BRADENTON/				
FL	SOUTHWEST FLORIDA REGIONAL	RSW	FORT MYERS				
FL	ST PETERSBURG/CLEARWATER INTL	PIE	ST PETERSBURG/CLEARWATER	Marginal			
FL	TALLAHASSEE REGIONAL	TLH	TALLAHASSEE				
FL	TAMPA INTL	TPA	TAMPA	Marginal			
FL	VERO BEACH MUNI	VRB	VERO BEACH				
GA	ATHENS/BEN EPPS	AHN	ATHENS				
GA	BUSH FIELD	AGS	AUGUSTA				
GA	COLUMBUS METROPOLITAN	CSG	COLUMBUS				
GA	GLYNCO JETPORT	BQK	BRUNSWICK				
GA	MIDDLE GEORGIA REGIONAL	MCN	MACON				
GA	SAVANNAH INTERNATIONAL	SAV	SAVANNAH				
GA	SOUTHWEST GEORGIA REGIONAL	ABY	ALBANY				
GA	THE WILLIAM B HARTSFIELD ATLANTA INTL	ATL	ATLANTA	Serious			
GA	VALDOSTA REGIONAL	VLD	VALDOSTA				
IA	BURLINGTON MUNI	BRL	BURLINGTON				
IA	CEDAR RAPIDS MUNI	CID	CEDAR RAPIDS				
IA	DES MOINES INTL	DSM	DES MOINES				
IA	DUBUQUE REGIONAL	DBQ	DUBUQUE				
IA	FORT DODGE REGIONAL	FOD	FORT DODGE				
IA	MASON CITY MUNI	MCW	MASON CITY				
IA	OTTUMWA INDUSTRIAL	OTM	OTTUMWA				
IA	SIOUX GATEWAY	SUX	SIOUX CITY				
IA	WATERLOO MUNI	ALO	WATERLOO				
ID	BOISE AIR TERMINAL /GOWEN FLD/	BOI	BOISE			Not Classified (P)	
ID	COEUR D'ALENE AIR TERM	COE	COEUR D'ALENE				
ID	FANNING FIELD	IDA	IDAHO FALLS				
ID	FRIEDMAN MEMORIAL	SUN	HAILEY				
ID	LEWISTON-NEZ PERCE COUNTY	LWS	LEWISTON				
ID	POCATELLO REGIONAL	PIH	POCATELLO				
ID	TWIN FALLS-SUN VALLEY REGIONAL JOSLIN FLI	TWF	TWIN FALLS				
IL	BLOOMINGTON/NORMAL	BMI	BLOOMINGTON/NORMAL				
IL	CAPITAL	SPI	SPRINGFIELD				
IL	CHICAGO MIDWAY	MDW	CHICAGO	Severe-17			
IL	CHICAGO O'HARE INTL	ORD	CHICAGO	Severe-17			
IL	COLES COUNTY MEMORIAL	MTO	MATTOON/CHARLESTON				
IL	DECATUR	DEC	DECATUR				
IL	GREATER PEORIA REGIONAL	PIA	PEORIA				
IL	GREATER ROCKFORD	RFD	ROCKFORD				
IL	LOGAN COUNTY	3LC	LINCOLN				
IL	MOUNT VERNON	MVN	MOUNT VERNON				
IL	QUAD-CITY	MLI	MOLINE				
IL	QUINCY MUNI BALDWIN FIELD	UIN	QUINCY				
IL	UNIVERSITY OF ILLINOIS-WILLARD	CMI	CHAMPAIGN/URBANA/				
IL	WILLIAMSON COUNTY REGIONAL	MWA	MARION				
IN	ANDERSON MUNI	AID	ANDERSON				
IN	DELAWARE COUNTY-JOHNSON FIELD	MIE	MUNCIE				
IN	EVANSVILLE REGIONAL	EVV	EVANSVILLE	Marginal			
IN	FORT WAYNE INTERNATIONAL	FWA	FORT WAYNE				
IN	GARY REGIONAL	GYG	GARY	Severe-17			
IN	HULMAN REGIONAL	HUF	TERRE HAUTE				
IN	INDIANAPOLIS INTL	IND	INDIANAPOLIS			Not Classified (P)	
IN	KOKOMO MUNI	OKK	KOKOMO				

AIRPORT DATABASE

State	Airport Name	Airport		Current Ozone		Current CO		Ozone Transport Region
		ID	City	Nonattainment	Status	Nonattainment	Status	
IN	MICHIANA REGIONAL	SBN	SOUTH BEND					
IN	PURDUE UNIVERSITY	LAF	LAFAYETTE					
KS	DODGE CITY REGIONAL	DCD	DODGE CITY					
KS	EMPORIA MUNI	EMP	EMPORIA					
KS	FORBES FIELD	FOE	TOPEKA					
KS	GARDEN CITY REGIONAL	GCK	GARDEN CITY					
KS	GREAT BEND MUNI	GBD	GREAT BEND					
KS	HAYS MUNI	HYS	HAYS					
KS	LIBERAL MUNI	LBL	LIBERAL					
KS	MANHATTAN MUNI	MHK	MANHATTAN					
KS	RENNER FLD /GOODLAND MUNI/	GLD	GOODLAND					
KS	SALINA MUNI	SLN	SALINA					
KS	WICHITA MID-CONTINENT	ICT	WICHITA					
KY	BARKLEY REGIONAL	PAH	PADUCAH					
KY	BLUE GRASS	LEX	LEXINGTON		Marginal			
KY	CINCINNATI/NORTHERN KENTUCKY INTERNATIONAL	CVG	COVINGTON/CINCINNATI,		Moderate			
KY	STANDIFORD FIELD	SDF	LOUISVILLE		Moderate			
LA	BATON ROUGE METROPOLITAN, RYAN FIELD	BTR	BATON ROUGE		Serious			
LA	LAFAYETTE REGIONAL	LFT	LAFAYETTE		Transitional			
LA	LAKE CHARLES REGIONAL	LCH	LAKE CHARLES					
LA	MONROE REGIONAL	MLU	MONROE					
LA	NEW ORLEANS INTL/MOISANT FLD/	MSY	NEW ORLEANS		Transitional			
LA	POLK AAF	POE	FORT POLK					
LA	SHREVEPORT REGIONAL	SHV	SHREVEPORT					
MA	BARNES MUNI	BAF	WESTFIELD		Serious			X
MA	BARNSTABLE MUNI-BOARDMAN/POLANDO FIELD	HYA	HYANNIS		Serious			X
MA	GENERAL EDWARD LAWRENCE LOGAN INTL	BOS	BOSTON		Serious		Moderate <=12.7ppm	X
MA	MARTHAS VINEYARD	MVY	VINEYARD HAVEN		Serious			X
MA	NANTUCKET MEMORIAL	ACK	NANTUCKET		Serious			X
MA	NEW BEDFORD MUNI	EWB	NEW BEDFORD		Serious			X
MA	PROVINCETOWN MUNI	PVC	PROVINCETOWN		Serious			X
MA	WORCESTER MUNI	ORH	WORCESTER		Serious		Not Classified	X
MD	BALTIMORE-WASHINGTON INTL	BWI	BALTIMORE		Severe-15		Moderate <=12.7ppm (P)	X
MD	CUMBERLAND	CBE	CUMBERLAND					X
MD	OCEAN CITY MUNI	N80	OCEAN CITY					X
MD	SALISBURY-WICOMICO COUNTY REGIONAL	SBY	SALISBURY					X
MD	WASHINGTON COUNTY REGIONAL	HGR	HAGERSTOWN					X
ME	AUBURN/LEWISTON MUNI	LEW	AUBURN/LEWISTON		Moderate			X
ME	AUGUSTA STATE	AUG	AUGUSTA		Moderate			X
ME	BANGOR INTL	BGR	BANGOR					X
ME	HANCOCK COUNTY-BAR HARBOR	BHB	BAR HARBOR		Marginal			X
ME	KNOX COUNTY REGIONAL	RKD	ROCKLAND		Moderate			X
ME	NORTHERN MAINE REGIONAL ARPT AT PRESQUE	PQI	PRESQUE ISLE					X
ME	PORTLAND INTL JETPORT	PWM	PORTLAND		Moderate			X
MI	ALPENA COUNTY REGIONAL	APN	ALPENA					
MI	ANTRIM COUNTY	ACB	BELLAIRE					
MI	BISHOP INTERNATIONAL	FNT	FLINT		Transitional			
MI	CAPITAL CITY	LAN	LANSING		Transitional			
MI	CHERRY CAPITAL	TVC	TRAVERSE CITY					
MI	CHIPPEWA COUNTY INTL	CIU	SAULT STE MARIE					
MI	DELTA COUNTY	ESC	ESCANABA					
MI	DETROIT CITY	DET	DETROIT		Moderate		Not Classified (P)	
MI	DETROIT METROPOLITAN WAYNE COUNTY	DTW	DETROIT		Moderate		Not Classified (P)	
MI	FORD	IMT	IRON MOUNTAIN/KINGSFORD					
MI	GOGEBIC COUNTY	IWD	IRONWOOD					
MI	HOUGHTON COUNTY MEMORIAL	CMX	HANCOCK					
MI	KALAMAZOO/BATTLE CREEK INTERNATIONAL	AZO	KALAMAZOO		Incomplete			
MI	KENT COUNTY INTL	GRR	GRAND RAPIDS					
MI	MANISTEE CO.-BLACKER	MBL	MANISTEE					
MI	MARQUETTE COUNTY	MQT	MARQUETTE					
MI	MENOMINEE-MARINETTE TWIN COUNTY	MNM	MENOMINEE					
MI	OAKLAND-PONTIAC	PTK	PONTIAC				Not Classified (P)	
MI	PELLSTON REGIONAL AIRPORT OF EMMET COUNT	PLN	PELLSTON					
MI	TRI CITY INTERNATIONAL	MBS	SAGINAW		Incomplete			
MI	WILLOW RUN	YIP	DETROIT		Moderate		Not Classified (P)	
MN	BEMIDJI-BELTRAMI COUNTY	BJI	BEMIDJI					
MN	BRAINERD-CROW WING CO REGIONAL	BRD	BRAINERD					
MN	CHISHOLM-HIBBING	HIB	HIBBING					
MN	DULUTH INTL	DLH	DULUTH					
MN	FAIRMONT MUNI	FRM	FAIRMONT					
MN	FALLS INTL	INL	INTERNATIONAL FALLS					
MN	GRAND RAPIDS/ITASCA CO-GORDON NEWSTROM F	GPZ	GRAND RAPIDS					
MN	MANKATO MUNI	MKT	MANKATO					
MN	MARSHALL MUNI-RYAN FIELD	MML	MARSHALL					
MN	MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	MSP	MINNEAPOLIS				Moderate <= 12.7ppm	
MN	ROCHESTER MUNI	RST	ROCHESTER					
MN	THIEF RIVER FALLS REGIONAL	TVF	THIEF RIVER FALLS					
MN	WORTHINGTON MUNI	OTG	WORTHINGTON					
MO	COLUMBIA REGIONAL	COU	COLUMBIA					

AIRPORT DATABASE

State	Airport Name	Airport		Current Ozone		Current CO	Ozone
		ID	City	Nonattainment	Status	Nonattainment Status	Transport Region
MO	FORNEY AAF	TBN	FORT LEONARD WOOD				
MO	JOPLIN REGIONAL	JLN	JOPLIN				
MO	KANSAS CITY DOWNTOWN	MKC	KANSAS CITY				
MO	KANSAS CITY INTL	MCI	KANSAS CITY				
MO	KIRKSVILLE REGIONAL	IRK	KIRKSVILLE				
MO	LAMBERT-ST LOUIS INTL	STL	ST LOUIS	Moderate		Not Classified	
MO	SPIRIT OF ST LOUIS	SUS	ST LOUIS	Moderate		Not Classified (P)	
MO	SPRINGFIELD REGIONAL	SGF	SPRINGFIELD				
MS	COLUMBUS AFB	CBM	COLUMBUS				
MS	GOLDEN TRIANGLE REGIONAL	GTR	COLUMBUS/W POINT/STARKVILL				
MS	GREENVILLE MUNI	GLH	GREENVILLE				
MS	GULFPORT-BILOXI RGNL	GPT	GULFPORT				
MS	HATTIESBURG-LAUREL REGIONAL	PIB	HATTIESBURG/LAUREL				
MS	JACKSON INTERNATIONAL	JAN	JACKSON				
MS	KEY FIELD	MEI	MERIDIAN				
MS	TUPELO MUNICIPAL - C D LEMONS	TUP	TUPELO				
MS	UNIVERSITY-OXFORD	UOX	OXFORD				
MT	BERT MOONEY	BTM	BUTTE				
MT	BILLINGS LOGAN INTL	BIL	BILLINGS			Not Classified (P)	
MT	DAWSON COMMUNITY	GDV	GLENDIVE				
MT	FRANK WILEY FIELD	MLS	MILES CITY				
MT	GALLATIN FIELD	BZN	BOZEMAN				
MT	GLACIER PARK INTL	FCA	KALISPELL				
MT	GLASGOW INTL	GGW	GLASGOW				
MT	GREAT FALLS INTL	GTF	GREAT FALLS			Not Classified (P)	
MT	HAVRE CITY-COUNTY	HVR	HAVRE				
MT	HELENA REGIONAL	HLN	HELENA				
MT	L M CLAYTON	OLF	WOLF POINT				
MT	LEWISTOWN MUNI	LWT	LEWISTOWN				
MT	MISSOULA INTERNATIONAL	MSO	MISSOULA			Moderate <= 12.7ppm	
MT	SIDNEY-RICHLAND MUNI	SDY	SIDNEY				
MT	YELLOWSTONE	WYS	WEST YELLOWSTONE				
NC	ALBERT J ELLIS	OAJ	JACKSONVILLE				
NC	ASHEVILLE REGIONAL	AVL	ASHEVILLE				
NC	CHARLOTTE/DOUGLAS INTL	CLT	CHARLOTTE	Moderate		Not Classified	
NC	CRAVEN COUNTY REGIONAL	EWN	NEW BERN				
NC	FAYETTEVILLE REGIONAL/GRANNIS FIELD	FAY	FAYETTEVILLE				
NC	HICKORY REGIONAL	HKY	HICKORY				
NC	KINSTON REGIONAL JETPORT AT STALLINGS FL	ISO	KINSTON				
NC	MOORE COUNTY	SOP	SOUTHERN PINES				
NC	NEW HANOVER INTERNATIONAL	ILM	WILMINGTON				
NC	PIEDMONT TRIAD INTERNATIONAL	GSO	GREENSBORO				
NC	PITT-GREENVILLE	PGV	GREENVILLE				
NC	RALEIGH-DURHAM INTERNATIONAL	RDU	RALEIGH/DURHAM			Moderate <= 12.7ppm	
NC	SMITH REYNOLDS	INT	WINSTON SALEM				
ND	BISMARCK MUNI	BIS	BISMARCK				
ND	DEVILS LAKE MUNI	DVL	DEVILS LAKE				
ND	GRAND FORKS INTL	GFK	GRAND FORKS				
ND	HECTOR INTERNATIONAL	FAR	FARGO				
ND	JAMESTOWN MUNI	JMS	JAMESTOWN				
ND	MINOT INTL	MOT	MINOT				
ND	SLOULIN FLD INTL	ISN	WILLISTON				
NE	ALLIANCE MUNI	AIA	ALLIANCE				
NE	CENTRAL NEBRASKA REGIONAL	GRI	GRAND ISLAND				
NE	CHADRON MUNI	CDR	CHADRON				
NE	EPPLEY AIRFIELD	OMA	OMAHA				
NE	HASTINGS MUNI	HSI	HASTINGS				
NE	KARL STEFAN MEMORIAL	OFK	NORFOLK				
NE	KEARNEY MUNI	EAR	KEARNEY				
NE	LINCOLN MUNI	LNK	LINCOLN				
NE	MC COOK MUNI	MCK	MC COOK				
NE	NORTH PLATTE REGIONAL	LBF	NORTH PLATTE				
NE	SIDNEY MUNI	SNY	SIDNEY				
NE	WILLIAM B. HEILIG FIELD	BFF	SCOTTSBLUFF				
NH	DILLANT-HOPKINS	EEN	KEENE	Incomplete			X
NH	LACONIA MUNI	LCI	LACONIA	Incomplete			X
NH	LEBANON MUNI	LEB	LEBANON				X
NH	MANCHESTER	MHT	MANCHESTER	Marginal (P2)		Not Classified	X
NJ	ALLAIRE	BLM	BELMAR/FARMINGDALE	Severe-17		Not Classified (P)	X
NJ	ATLANTIC CITY INTERNATIONAL	ACY	ATLANTIC CITY	Moderate		Not Classified	X
NJ	LINCOLN PARK	N07	LINCOLN PARK	Severe-17			X
NJ	MERCER COUNTY	TTN	TRENTON	Severe-15		Not Classified	X
NJ	NEWARK INTL	EWK	NEWARK	Severe-17		Moderate > 12.7ppm	X
NM	ALAMOGORDO-WHITE SANDS REGIONAL	ALM	ALAMOGORDO				
NM	ALBUQUERQUE INTL	ABQ	ALBUQUERQUE			Moderate <= 12.7ppm	
NM	CAVERN CITY AIR TRML	CNM	CARLSBAD				
NM	CLOVIS MUNI	CVN	CLOVIS				
NM	DOUBLE EAGLE II	AEG	ALBUQUERQUE			Moderate <= 12.7ppm	
NM	GALLUP MUNICIPAL	GUP	GALLUP				

AIRPORT DATABASE

State	Airport Name	Airport		Current Ozone		Current CO		Ozone Transport Region
		ID	City	Nonattainment	Status	Nonattainment	Status	
NM	GRANT COUNTY	SVC	SILVER CITY					
NM	LAS CRUCES INTERNATIONAL	LRU	LAS CRUCES					
NM	LEA COUNTY/HOBBS/	HOB	HOBBS					
NM	LOS ALAMOS	LAM	LOS ALAMOS					
NM	ROSWELL INDUSTRIAL AIR CENTER	ROW	ROSWELL					
NM	TAOS MUNI	SKX	TAOS					
NV	DESERT ROCK	DRA	MERCURY					
NV	ELKO MUNI-J.C. HARRIS FIELD	EKO	ELKO					
NV	ELY ARPT /YELLAND FLD/	ELY	ELY					
NV	MC CARRAN INTL	LAS	LAS VEGAS			Moderate > 12.7ppm (P)		
NV	RENO CANNON INTL	RNO	RENO	Marginal		Moderate <= 12.7ppm		
NV	TONOPAH	TPH	TONOPAH					
NY	ADIRONDACK	SLK	SARANAC LAKE					X
NY	ALBANY COUNTY	ALB	ALBANY	Marginal				X
NY	BINGHAMTON REGIONAL/EDWIN A LINK FIELD	BGM	BINGHAMTON					X
NY	BROOKHAVEN	HWV	SHIRLEY	Severe-17				X
NY	CHAUTAUQUA COUNTY/JAMESTOWN	JHW	JAMESTOWN					X
NY	CLINTON CO	PLB	PLATTSBURGH					X
NY	DUTCHESS COUNTY	POU	POUGHKEEPSIE	Moderate				X
NY	EAST HAMPTON	HTO	EAST HAMPTON	Severe-17				X
NY	ELMIRA/CORNING REGIONAL	ELM	ELMIRA					X
NY	GREATER BUFFALO INTL	BUF	BUFFALO	Marginal				X
NY	GREATER ROCHESTER INTERNATIONAL	ROC	ROCHESTER					X
NY	GREENVILLE-RAINBOW	NY25	GREENVILLE	Marginal				X
NY	JOHN F KENNEDY INTL	JFK	NEW YORK	Severe-17		Moderate > 12.7ppm		X
NY	LA GUARDIA	LGA	NEW YORK	Severe-17		Moderate > 12.7ppm		X
NY	LONG ISLAND MAC ARTHUR	ISP	ISLIP	Severe-17				X
NY	MASSENA INTL-RICHARDS FIELD	MSS	MASSENA					X
NY	MONTAUK	MTP	MONTAUK	Severe-17				X
NY	NIAGARA FALLS INTL	IAG	NIAGARA FALLS	Marginal				X
NY	OGDENSBURG INTL	OGS	OGDENSBURG					X
NY	ONEIDA COUNTY	UCA	UTICA					X
NY	STEWART INT'L	SWF	NEWBURGH	Moderate				X
NY	SULLIVAN COUNTY INTL	MSV	MONTICELLO					X
NY	SYRACUSE HANCOCK INTL	SYR	SYRACUSE					X
NY	TOMPKINS COUNTY	ITH	ITHACA					X
NY	WARREN COUNTY	GFL	GLENS FALLS					X
NY	WATERTOWN INTERNATIONAL	ART	WATERTOWN	Marginal				X
NY	WESTCHESTER COUNTY	HPN	WHITE PLAINS	Severe-17		Moderate > 12.7ppm		X
OH	AIRBORNE AIRPARK	ILN	WILMINGTON	Transitional				
OH	AKRON-CANTON REGIONAL	CAK	AKRON	Moderate				
OH	BURKE LAKEFRONT	BKL	CLEVELAND	Moderate				
OH	CARL R KELLER FIELD	PCW	PORT CLINTON					
OH	CLEVELAND-HOPKINS INTL	CLE	CLEVELAND	Moderate				
OH	JAMES M COX DAYTON INTL	DAY	DAYTON	Moderate				
OH	KELLEYS ISLAND LAND FLD	89D	KELLEYS ISLAND					
OH	MANSFIELD LAHM MUNI	MFD	MANSFIELD					
OH	PORT COLUMBUS INTL	CMH	COLUMBUS	Marginal				
OH	PUT IN BAY	OH30	PUT IN BAY					
OH	SPRINGFIELD-BECKLEY MUNI	SGH	SPRINGFIELD	Moderate				
OH	TOLEDO EXPRESS	TOL	TOLEDO	Moderate				
OH	YOUNGSTOWN MUNI	YNG	YOUNGSTOWN	Marginal				
OK	ENID WOODRING MUNI	WDG	ENID					
OK	LAWTON MUNI	LAW	LAWTON					
OK	PONCA CITY MUNI	PNC	PONCA CITY					
OK	STILLWATER MUNI	SWO	STILLWATER					
OK	TULSA INTL	TUL	TULSA					
OK	WILL ROGERS WORLD	OKC	OKLAHOMA CITY					
OR	KLAMATH FALLS INTERNATIONAL	LMT	KLAMATH FALLS			Moderate <= 12.7ppm (P)		
OR	MAHLON SWEET FIELD	EUG	EUGENE					
OR	MCNARY FLD	SLE	SALEM	Incomplete (P)		Not Classified		
OR	MEDFORD-JACKSON COUNTY	MFR	MEDFORD			Moderate <= 12.7ppm (P)		
OR	NORTH BEND MUNI	OTH	NORTH BEND					
OR	PENDLETON MUNI	PDT	PENDLETON					
OR	PORTLAND INTL	PDX	PORTLAND	Marginal (P)		Moderate <= 12.7ppm (P)		
OR	ROBERTS FIELD	RDM	EDMOND					
PA	ALLENTOWN-BETHLEHEM-EASTON	ABE	ALLENTOWN	Marginal				X
PA	ALTOONA-BLAIR COUNTY	AOO	ALTOONA	Marginal				X
PA	BRADFORD REGIONAL	BFD	BRADFORD					X
PA	CHESS-LAMBERTON	FKL	FRANKLIN					X
PA	DU BOIS-JEFFERSON COUNTY	DUJ	DU BOIS					X
PA	ERIE INTL	ERI	ERIE	Marginal				X
PA	GREATER PITTSBURGH INTL	PIT	PITTSBURGH	Moderate		Not Classified (P)		X
PA	HARRISBURG INTERNATIONAL	MDT	HARRISBURG	Marginal				X
PA	JOHNSTOWN-CAMBRIA COUNTY	JST	JOHNSTOWN	Marginal				X
PA	LANCASTER	LNS	LANCASTER	Marginal				X
PA	PHILADELPHIA INTL	PHL	PHILADELPHIA	Severe-15		Moderate <= 12.7ppm (F)		X
PA	READING REGIONAL/CARL A SPAATZ FIELD	RDG	READING	Moderate				X
PA	UNIVERSITY PARK	UNV	STATE COLLEGE					X

AIRPORT DATABASE

State	Airport Name	Airport		Current Ozone		Current CO		Ozone Transport Region
		ID	City	Nonattainment	Status	Nonattainment	Status	
PA	WESTMORELAND COUNTY	LBE	LATROBE	Moderate				X
PA	WILKES-BARRE/SCRANTON INTL	AVP	WILKES-BARRE/SCRANTON	Marginal				X
PA	WILLIAMSPORT-LYCOMING COUNTY	IPT	WILLIAMSPORT					X
PA	WINGS FIELD	N67	PHILADELPHIA	Severe-15				X
RI	BLOCK ISLAND STATE	BID	BLOCK ISLAND	Serious				X
RI	THEODORE FRANCIS GREEN STATE	PVD	PROVIDENCE	Serious				X
RI	WESTERLY STATE	WST	WESTERLY	Serious				X
SC	CHARLESTON AFB/INTL	CHS	CHARLESTON					
SC	COLUMBIA METROPOLITAN	CAE	COLUMBIA					
SC	FLORENCE REGIONAL	FLO	FLORENCE					
SC	GREENVILLE-SPARTANBURG	GSP	GREER					
SC	HILTON HEAD	49J	HILTON HEAD ISLAND					
SC	RUSSELL	SC17	HOLLY HILL					
SD	ABERDEEN REGIONAL	ABR	ABERDEEN					
SD	BROOKINGS MUNI	BKX	BROOKINGS					
SD	CHAN GURNEY MUNI	YKN	YANKTON					
SD	HURON REGIONAL	HON	HURON					
SD	JOE FOSS FIELD	FSD	SIOUX FALLS					
SD	MITCHELL MUNI	MHE	MITCHELL					
SD	PIERRE MUNI	PIR	PIERRE					
SD	RAPID CITY REGIONAL	RAP	RAPID CITY					
SD	WATERTOWN MUNI	ATY	WATERTOWN					
TN	LOVELL FIELD	CHA	CHATTANOOGA					
TN	MC GHEE TYSON	TYS	KNOXVILLE					
TN	MC KELLAR-SIPES REGIONAL	MKL	JACKSON					
TN	MEMPHIS INTL	MEM	MEMPHIS					
TN	NASHVILLE INTERNATIONAL	BNA	NASHVILLE	Moderate				
TN	TRI-CITY REGIONAL	TRI	BRISTOL/JOHNSON/KINGSPORT					
TX	ABILENE REGIONAL	ABI	ABILENE					
TX	AMARILLO INTL	AMA	AMARILLO					
TX	BROWNSVILLE/SOUTH PADRE ISLAND INT'L	BRO	BROWNSVILLE					
TX	BROWNWOOD MUNI	BWD	BROWNWOOD					
TX	CORPUS CHRISTI INTL	CRP	CORPUS CHRISTI					
TX	COX FLD	PRX	PARIS					
TX	DALLAS LOVE FIELD	DAL	DALLAS	Moderate				
TX	DALLAS/FORT WORTH INTERNATIONAL	DFW	DALLAS-FORT WORTH	Moderate				
TX	EASTERWOOD FIELD	CLL	COLLEGE STATION					
TX	EL PASO INTL	ELP	EL PASO	Serious		Moderate <= 12.7ppm (P)		
TX	ELLINGTON FIELD	EPD	HOUSTON	Severe-17				
TX	FORT WORTH ALLIANCE	AFW	FORT WORTH	Moderate				
TX	FORT WORTH MEACHAM	FTW	FORT WORTH	Moderate				
TX	GREGG COUNTY	GGG	LONGVIEW					
TX	HOUSTON INTERCONTINENTAL	IAH	HOUSTON	Severe-17				
TX	JEFFERSON COUNTY	BPT	BEAUMONT/PORT ARTHUR	Serious				
TX	KILLEEN MUNI	ILE	KILLEEN					
TX	LAREDO INTL	LRD	LAREDO					
TX	LUBBOCK INTL	LBB	LUBBOCK					
TX	MATHIS FIELD	SJT	SAN ANGELO					
TX	MIDLAND INTERNATIONAL	MAF	MIDLAND					
TX	MILLER INTL	MFE	MC ALLEN					
TX	RIO GRANDE VALLEY INTL	HRL	HARLINGEN					
TX	ROBERT MUELLER MUNI	AUS	AUSTIN					
TX	SAN ANTONIO INTL	SAT	SAN ANTONIO					
TX	SHEPPARD AFB/WICHITA FALLS MUNI	SPS	WICHITA FALLS					
TX	VICTORIA REGIONAL	VCT	VICTORIA	Incomplete				
TX	WACO REGIONAL	ACT	WACO					
TX	WILLIAM P HOBBY	HOU	HOUSTON	Severe-17				
UT	CANYONLANDS FIELD	CNY	MOAB					
UT	CEDAR CITY MUNI	CDC	CEDAR CITY					
UT	OGDEN-HINCKLEY	OGD	OGDEN			Moderate <= 12.7ppm		
UT	SALT LAKE CITY INTL	SLC	SALT LAKE CITY	Moderate		Not Classified		
UT	ST GEORGE MUNI	SGU	ST GEORGE					
UT	VERNAL	VEL	VERNAL					
VA	ACCOMACK COUNTY	MFV	MELFA					
VA	CHARLOTTESVILLE-ALBEMARLE	CHO	CHARLOTTESVILLE					
VA	CHESTERFIELD COUNTY	W98	RICHMOND	Moderate				
VA	DANVILLE REGIONAL	DAN	DANVILLE					
VA	INGALLS FIELD	HSP	HOT SPRINGS					
VA	LYNCHBURG REGIONAL/PRESTON GLENN FIELD	LYH	LYNCHBURG					
VA	NEWPORT NEWS/WILLIAMSBURG INTERNATIONAL	PHF	NEWPORT NEWS	Moderate				
VA	NORFOLK INTL	ORF	NORFOLK	Moderate				
VA	RICHMOND INTL (BYRD FIELD)	RIC	RICHMOND	Moderate				
VA	ROANOKE REGIONAL/WOODRUM FIELD	ROA	ROANOKE					
VA	SHENANDOAH VALLEY REGIONAL	SHD	STAUNTON/WAYNESB/HARRISONB					
VT	BURLINGTON INTL	BTV	BURLINGTON					X
WA	ANACORTES	74S	ANACORTES					
WA	BELLINGHAM INTL	BLI	BELLINGHAM					
WA	BOEING FIELD/KING COUNTY INTL	BFI	SEATTLE	Marginal		Moderate > 12.7ppm (P)		
WA	GRANT COUNTY	MWH	MOSES LAKE					

AIRPORT DATABASE

State	Airport Name	Airport		Current Ozone		Current CO		Ozone Transport Region
		ID	City	Nonattainment	Status	Nonattainment	Status	
WA	OAK HARBOR AIR PARK	76S	OAK HARBOR					
WA	PANGBORN MEMORIAL	EAT	WENATCHEE					
WA	PULLMAN/MOSCOW REGIONAL	PUW	PULLMAN/MOSCOW, ID					
WA	SEATTLE-TACOMA INTL	SEA	SEATTLE	Marginal		Moderate > 12.7ppm (P)		
WA	SEQUIM VALLEY	WN41	SEQUIM					
WA	SKAGIT REGIONAL/BAY VIEW	75S	BURLINGTON/MOUNT VERNON					
WA	SNOHOMISH COUNTY (PAINE FLD)	PAE	EVERETT	Marginal		Moderate > 12.7ppm (P)		
WA	SPOKANE INTL	GEG	SPOKANE			Moderate > 12.7ppm (P)		
WA	TRI-CITIES	PSC	PASCO					
WA	WALLA WALLA REGIONAL	ALW	WALLA WALLA					
WA	WILLIAM R FAIRCHILD INTL	CLM	PORT ANGELES					
WA	YAKIMA AIR TERMINAL	YKM	YAKIMA			Not Classified (P)		
WI	AUSTIN STRAUBEL INTERNATIONAL	GRB	GREEN BAY					
WI	CENTRAL WISCONSIN	CWA	MOSINEE					
WI	CHIPPEWA VALLEY REGIONAL	EAU	EAU CLAIRE					
WI	DANE COUNTY REGIONAL-TRUAX FIELD	MSN	MADISON					
WI	DOOR COUNTY CHERRYLAND	SUE	STURGEON BAY		Rural Trans.			
WI	EAGLE RIVER UNION	EGV	EAGLE RIVER					
WI	GENERAL MITCHELL INTERNATIONAL	MKE	MILWAUKEE		Severe-17			
WI	KENOSHA REGIONAL	ENW	KENOSHA		Severe-17			
WI	LA CROSSE MUNI	LSE	LA CROSSE					
WI	LAKELAND/NOBLE F. LEE MEMORIAL FIELD	ARV	MINOCQUA/WOODRUFF					
WI	MANITOWOC COUNTY	MTW	MANITOWOC		Moderate			
WI	OUTAGAMIE COUNTY	ATW	APPLETON					
WI	RHINELANDER-ONEIDA COUNTY	RHI	RHINELANDER					
WI	RICHLAND	93C	RICHLAND CENTER					
WI	ROCK COUNTY	JVL	JANESVILLE					
WI	WITTMAN REGIONAL	OSH	OSHKOSH					
WV	BENEDUM	CKB	CLARKSBURG					
WV	ELKINS-RANDOLPH CO-JENNINGS RANDOLPH FLD	EKN	ELKINS					
WV	GREENBRIER VALLEY	LWB	LEWISBURG		Marginal			
WV	MERCER COUNTY	BLF	BLUEFIELD					
WV	MORGANTOWN MUNI-WALTER L. BILL HART FLD	MGW	MORGANTOWN					
WV	RALEIGH COUNTY MEMORIAL	BKW	BECKLEY					
WV	TRI-STATE/MILTON J.FERGUSON FIELD	HTS	HUNTINGTON					
WV	WOOD COUNTY AIRPORT GILL ROBB WILSON FLD	PKB	PARKERSBURG					
WV	YEAGER	CRW	CHARLESTON					
WY	CHEYENNE	CYS	CHEYENNE					
WY	GILLETTE-CAMPBELL COUNTY	GCC	GILLETTE					
WY	JACKSON HOLE	JAC	JACKSON					
WY	LARAMIE REGIONAL	LAR	LARAMIE					
WY	NATRONA COUNTY INTL	CPR	CASPER					
WY	RIVERTON REGIONAL	RIW	RIVERTON					
WY	ROCK SPRINGS-SWEETWATER COUNTY	RKS	ROCK SPRINGS					
WY	SHERIDAN COUNTY	SHR	SHERIDAN					
WY	WORLAND MUNI	WRL	WORLAND					
WY	YELLOWSTONE REGIONAL	COD	CODY					

APPENDIX 3

U.S. COMMERCIAL AIRCRAFT EXAMPLE FLEET RANKINGS

Emissions Per LTO

- * **HC**
- * **CO**
- * **NO_x**
- * **HC + NO_x**

Emissions Per Seat Per LTO

- * **HC**
- * **CO**
- * **NO_x**
- * **HC + NO_x**

Emissions Per Engine Per LTO

- * **HC**
- * **CO**
- * **NO_x**
- * **HC + NO_x**

Emissions Per Dp/Foo

- * **HC**
- * **CO**
- * **NO_x**
- * **HC + NO_x**

EXAMPLE FLEET (ranked by HC/LTO)

AIRCRAFT	AIRCRAFT	ENGINE		EMISSIONS PER LTO			AIRCRAFT	LOW #	HIGH #
NAME	MANUFACTURER	NAME	# ENGINES	CO	NOx	HC	CLASS	SEATS	SEATS
A-320-200	AIRBUS	IAE V2500	2	7.38	34.02	0.32	1	150	150
DC-9-30	MCDONNELL-DOUG	IAE V2500	2	7.38	34.02	0.32	1	98	108
B-737-300	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	128	137
B-737-400	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	146	146
B-737-500	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	108	122
A-310-300	AIRBUS	PW4152	2	16.52	47.36	1.21	2	218	280
B-777-200	BOEING	PW4056	2	15.78	57.51	1.27	3	350	400
B-757-200	BOEING	RB211-535E4	2	22.55	60.11	1.35	2	187	194
A-320-100	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	1	150	150
A-321	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	2	186	200
A-340	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	3	262	440
B-737-300	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	128	137
B-737-400	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	146	146
B-767-200	BOEING	JT9D-7R4D	2	15.93	59.57	2.04	2	184	210
B-757-200	BOEING	PW2037	2	23.78	35.75	2.34	2	187	194
B-747-400	BOEING	PW4056	4	31.55	115.02	2.54	3	412	412
B-737-200	BOEING	JT8D-15A	2	13.51	16.09	2.60	1	102	122
B-767-300	BOEING	PW4460	2	31.88	62.16	2.62	3	204	254
B-757-200	BOEING	PW2040	2	26.75	49.87	2.65	2	187	194
A-330	AIRBUS	PW4158	2	32.62	57.00	2.75	3	335	335
DC8-70	MCDONNELL DOUG	CFM56-2B	4	53.65	34.70	2.99	2	189	259
F100-100	FOKKER	TAY MK620-15	2	19.58	12.41	3.01	1	97	103
BAE 146-200	BAE	ALF 502R-5	4	24.65	10.51	3.10	1	95	110
F100-100	FOKKER	TAY MK650	2	30.52	12.70	3.17	1	97	103
A-300B	AIRBUS	CF6-50C2	2	30.29	52.40	3.48	2	262	262
B-727-200	BOEING	JT8D-17A	3	20.93	26.03	3.58	1	136	160
MD11-11	MCDONNELL DOUG	PW4460	3	47.83	93.24	3.93	3	314	314
DC9-80	MCDONNELL DOUG	JT8D-217C	2	14.26	26.39	4.13	1	135	146
DC9-80	MCDONNELL DOUG	JT8D-217A	2	14.26	26.39	4.13	1	135	146
DC9-80	MCDONNELL DOUG	JT8D-217	2	14.26	26.39	4.13	1	135	146
DC9-80	MCDONNELL DOUG	JT8D-219	2	14.24	26.92	4.19	1	135	146
DC9-80	MCDONNELL DOUG	JT8D-209	2	15.33	22.38	4.62	1	135	146
L-1011-500	LOCKHEED	RB211-524B4	3	33.20	112.00	6.17	3	226	226
B-767-200	BOEING	CF6-80A	2	32.66	48.79	7.21	2	184	210
B-767-200	BOEING	CF6-80A2	2	32.62	52.37	7.32	2	184	210
B-767-300	BOEING	CF6-80A2	2	32.62	52.37	7.32	3	204	254
B-737-200	BOEING	JT8D-9A	2	35.36	14.86	9.95	1	102	122
DC9-30	MCDONNELL DOUG	JT8D-7B	2	35.92	13.57	10.21	1	98	108
DC9-40	MCDONNELL DOUG	JT8D-11	2	39.61	16.49	10.83	1	107	107
B-737-200	BOEING	JT8D-17	2	35.27	18.89	11.67	1	102	122
DC9-50	MCDONNELL DOUG	JT8D-17	2	35.27	18.89	11.67	1	122	122
B-737-200	BOEING	JT8D-15	2	40.33	17.59	11.96	1	102	122
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	335	335
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	335	335
A-300-600	AIRBUS	CF6-80C2A5	2	61.60	56.15	13.08	2	267	267
B-767-300	BOEING	CF6-80C2B6	2	61.60	54.51	13.08	3	204	254
B-767-200	BOEING	CF6-80C2B2	2	65.89	38.78	15.02	2	184	210
B-727-200	BOEING	JT8D-7B	3	53.88	20.35	15.31	1	136	160
B-727-200	BOEING	JT8D-17	3	52.91	28.33	17.50	1	136	160
B-727-200	BOEING	JT8D-15	3	60.49	26.38	17.94	1	136	160
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	314	314
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	314	314
DC10-40	MCDONNELL DOUG	JT9D-59	3	131.92	81.89	30.15	3	298	298
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	284	296
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	284	296
B-747-200	BOEING	JT9D-7Q	4	175.89	109.18	40.20	3	410	410
F-28	FOKKER	SPEY MK555	2	75.04	10.38	75.66	1	63	68
B-747-100	BOEING	JT9D-7A (MOD V)	4	167.66	127.19	79.85	3	410	431
DC10-30	MCDONNELL DOUG	CF6-50C2	3	148.19	88.75	88.14	3	258	298
L-1011-50	LOCKHEED	RB211-22B	3	248.27	65.68	160.60	3	275	296
DC8-60	MCDONNELL DOUG	JT3D-7	4	262.74	25.65	218.35	2	189	259

EXAMPLE FLEET (ranked by CO/LTO)

AIRCRAFT	AIRCRAFT	ENGINE		EMISSIONS PER LTO			AIRCRAFT	LOW #	HIGH #
NAME	MANUFACTURER	NAME	# ENGINES	CO	NOx	HC	CLASS	SEATS	SEATS
A-320-200	AIRBUS	IAE V2500	2	7.38	34.02	0.32	1	150	150
DC-9-30	MCDONNELL-DOUG	IAE V2500	2	7.38	34.02	0.32	1	98	108
B-737-200	BOEING	JT8D-15A	2	13.51	16.09	2.60	1	102	122
DC9-80	MCDONNELL DOUG	JT8D-219	2	14.24	26.92	4.19	1	135	146
DC9-80	MCDONNELL DOUG	JT8D-217C	2	14.26	26.39	4.13	1	135	146
DC9-80	MCDONNELL DOUG	JT8D-217A	2	14.26	26.39	4.13	1	135	146
DC9-80	MCDONNELL DOUG	JT8D-217	2	14.26	26.39	4.13	1	135	146
A-320-100	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	1	150	150
A-321	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	2	186	200
A-340	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	3	262	440
DC9-80	MCDONNELL DOUG	JT8D-209	2	15.33	22.38	4.62	1	135	146
B-777-200	BOEING	PW4056	2	15.78	57.51	1.27	3	350	400
B-767-200	BOEING	JT9D-7R4D	2	15.93	59.57	2.04	2	184	210
A-310-300	AIRBUS	PW4152	2	16.52	47.36	1.21	2	218	280
F100-100	FOKKER	TAY MK620-15	2	19.58	12.41	3.01	1	97	103
B-727-200	BOEING	JT8D-17A	3	20.93	26.03	3.58	1	136	160
B-757-200	BOEING	RB211-535E4	2	22.55	60.11	1.35	2	187	194
B-757-200	BOEING	PW2037	2	23.78	35.75	2.34	2	187	194
BAE 146-200	BAE	ALF 502R-5	4	24.65	10.51	3.10	1	95	110
B-737-300	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	128	137
B-737-400	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	146	146
B-737-500	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	108	122
B-757-200	BOEING	PW2040	2	26.75	49.87	2.65	2	187	194
B-737-300	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	128	137
B-737-400	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	146	146
A-300B	AIRBUS	CF6-50C2	2	30.29	52.40	3.48	2	262	262
F100-100	FOKKER	TAY MK650	2	30.52	12.70	3.17	1	97	103
B-747-400	BOEING	PW4056	4	31.55	115.02	2.54	3	412	412
B-767-300	BOEING	PW4460	2	31.88	62.16	2.62	3	204	254
A-330	AIRBUS	PW4158	2	32.62	57.00	2.75	3	335	335
B-767-200	BOEING	CF6-80A2	2	32.62	52.37	7.32	2	184	210
B-767-300	BOEING	CF6-80A2	2	32.62	52.37	7.32	3	204	254
B-767-200	BOEING	CF6-80A	2	32.66	48.79	7.21	2	184	210
L-1011-500	LOCKHEED	RB211-524B4	3	33.20	112.00	6.17	3	226	226
B-737-200	BOEING	JT8D-17	2	35.27	18.89	11.67	1	102	122
DC9-50	MCDONNELL DOUG	JT8D-17	2	35.27	18.89	11.67	1	122	122
B-737-200	BOEING	JT8D-9A	2	35.36	14.86	9.95	1	102	122
DC9-30	MCDONNELL DOUG	JT8D-7B	2	35.92	13.57	10.21	1	98	108
DC9-40	MCDONNELL DOUG	JT8D-11	2	39.61	16.49	10.83	1	107	107
B-737-200	BOEING	JT8D-15	2	40.33	17.59	11.96	1	102	122
MD11-11	MCDONNELL DOUG	PW4460	3	47.83	93.24	3.93	3	314	314
B-727-200	BOEING	JT8D-17	3	52.91	28.33	17.50	1	136	160
DC8-70	MCDONNELL DOUG	CFM56-2B	4	53.65	34.70	2.99	2	189	259
B-727-200	BOEING	JT8D-7B	3	53.88	20.35	15.31	1	136	160
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	335	335
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	335	335
B-727-200	BOEING	JT8D-15	2	60.49	26.38	17.94	1	136	160
A-300-600	AIRBUS	CF6-80C2A5	2	61.60	56.15	13.08	2	267	267
B-767-300	BOEING	CF6-80C2B6	2	61.60	54.51	13.08	3	204	254
B-767-200	BOEING	CF6-80C2B2	2	65.89	38.78	15.02	2	184	210
F-28	FOKKER	SPEY MK555	2	75.04	10.38	75.66	1	63	68
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	314	314
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	314	314
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	284	296
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	284	296
DC10-40	MCDONNELL DOUG	JT9D-59	3	131.92	81.89	30.15	3	298	298
DC10-30	MCDONNELL DOUG	CF6-50C2	3	148.19	88.75	88.14	3	258	298
B-747-100	BOEING	JT9D-7A (MOD V)	4	167.66	127.19	79.85	3	410	431
B-747-200	BOEING	JT9D-7Q	4	175.89	109.18	40.20	3	410	410
L-1011-50	LOCKHEED	RB211-22B	3	248.27	65.68	160.60	3	275	296
DC8-60	MCDONNELL DOUG	JT3D-7	4	262.74	25.65	218.35	2	189	259

EXAMPLE FLEET (ranked by NOx/LTO)

AIRCRAFT NAME	AIRCRAFT MANUFACTURER	ENGINE NAME	# ENGINES	EMISSIONS PER LTO			AIRCRAFT CLASS	LOW # SEATS	HIGH # SEATS
				CO	NOx	HC			
F-28	FOKKER	SPEY MK555	2	75.04	10.38	75.66	1	63	68
BAE 146-200	BAE	ALF 502R-5	4	24.65	10.51	3.10	1	95	110
F100-100	FOKKER	TAY MK620-15	2	19.58	12.41	3.01	1	97	103
F100-100	FOKKER	TAY MK650	2	30.52	12.70	3.17	1	97	103
DC9-30	MCDONNELL DOUG	JT8D-7B	2	35.92	13.57	10.21	1	98	108
B-737-200	BOEING	JT8D-9A	2	35.36	14.86	9.95	1	102	122
B-737-200	BOEING	JT8D-15A	2	13.51	16.09	2.60	1	102	122
DC9-40	MCDONNELL DOUG	JT8D-11	2	39.61	16.49	10.83	1	107	107
B-737-200	BOEING	JT8D-15	2	40.33	17.59	11.96	1	102	122
B-737-200	BOEING	JT8D-17	2	35.27	18.89	11.67	1	102	122
DC9-50	MCDONNELL DOUG	JT8D-17	2	35.27	18.89	11.67	1	122	122
B-727-200	BOEING	JT8D-7B	3	53.88	20.35	15.31	1	136	160
B-737-300	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	128	137
B-737-400	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	146	146
B-737-300	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	128	137
B-737-400	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	146	146
B-737-500	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	108	122
DC9-80	MCDONNELL DOUG	JT8D-209	2	15.33	22.38	4.62	1	135	146
A-320-100	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	1	150	150
A-321	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	2	186	200
A-340	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	3	262	440
DC8-60	MCDONNELL DOUG	JT3D-7	4	262.74	25.65	218.35	2	189	259
B-727-200	BOEING	JT8D-17A	3	20.93	26.03	3.58	1	136	160
B-727-200	BOEING	JT8D-15	3	60.49	26.38	17.94	1	136	160
DC9-80	MCDONNELL DOUG	JT8D-217C	2	14.26	26.39	4.13	1	135	146
DC9-80	MCDONNELL DOUG	JT8D-217A	2	14.26	26.39	4.13	1	135	146
DC9-80	MCDONNELL DOUG	JT8D-217	2	14.26	26.39	4.13	1	135	146
DC9-80	MCDONNELL DOUG	JT8D-219	2	14.24	26.92	4.19	1	135	146
B-727-200	BOEING	JT8D-17	3	52.91	28.33	17.50	1	136	160
A-320-200	AIRBUS	IAE V2500	2	7.38	34.02	0.32	1	150	150
DC-9-30	MCDONNELL-DOUG	IAE V2500	2	7.38	34.02	0.32	1	98	108
DC8-70	MCDONNELL DOUG	CFM56-2B	4	53.65	34.70	2.99	2	189	259
B-757-200	BOEING	PW2037	2	23.78	35.75	2.34	2	187	194
B-767-200	BOEING	CF6-80C2B2	2	65.89	38.78	15.02	2	184	210
A-310-300	AIRBUS	PW4152	2	16.52	47.36	1.21	2	218	280
B-767-200	BOEING	CF6-80A	2	32.66	48.79	7.21	2	184	210
B-757-200	BOEING	PW2040	2	26.75	49.87	2.65	2	187	194
B-767-200	BOEING	CF6-80A2	2	32.62	52.37	7.32	2	184	210
B-767-300	BOEING	CF6-80A2	2	32.62	52.37	7.32	3	204	254
A-300B	AIRBUS	CF6-50C2	2	30.29	52.40	3.48	2	262	262
B-767-300	BOEING	CF6-80C2B6	2	61.60	54.51	13.08	3	204	254
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	335	335
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	335	335
A-300-600	AIRBUS	CF6-80C2A5	2	61.60	56.15	13.08	2	267	267
A-330	AIRBUS	PW4158	2	32.62	57.00	2.75	3	335	335
B-777-200	BOEING	PW4056	2	15.78	57.51	1.27	3	350	400
B-767-200	BOEING	JT9D-7R4D	2	15.93	59.57	2.04	2	184	210
B-757-200	BOEING	RB211-535E4	2	22.55	60.11	1.35	2	187	194
B-767-300	BOEING	PW4460	2	31.88	62.16	2.62	3	204	254
L-1011-50	LOCKHEED	RB211-22B	3	248.27	65.68	160.60	3	275	296
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	284	296
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	284	296
DC10-40	MCDONNELL DOUG	JT9D-59	3	131.92	81.89	30.15	3	298	298
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	314	314
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	314	314
DC10-30	MCDONNELL DOUG	CF6-50C2	3	148.19	88.75	88.14	3	258	298
MD11-11	MCDONNELL DOUG	PW4460	3	47.83	93.24	3.93	3	314	314
B-747-200	BOEING	JT9D-7Q	4	175.89	109.18	40.20	3	410	410
L-1011-500	LOCKHEED	RB211-524B4	3	33.20	112.00	6.17	3	226	226
B-747-400	BOEING	PW4056	4	31.55	115.02	2.54	3	412	412
B-747-100	BOEING	JT9D-7A (MOD V)	4	167.66	127.19	79.85	3	410	431

EXAMPLE FLEET (ranked by HC+NOx/LTO)

AIRCRAFT NAME	AIRCRAFT MANUFACTURER	ENGINE NAME	CO	EMISSIONS PER LTO			AIRCRAFT CLASS	LOW # SEATS	HIGH # SEATS
				CO	NOx	HC	HC+NOx		
BAE 146-200	BAE	ALF 502R-5	24.65	10.51	3.10	13.61	1	95	110
F100-100	FOKKER	TAY MK620-15	19.58	12.41	3.01	15.42	1	97	103
F100-100	FOKKER	TAY MK650	30.52	12.70	3.17	15.87	1	97	103
B-737-200	BOEING	JT8D-15A	13.51	16.09	2.60	18.69	1	102	122
B-737-300	BOEING	CFM56-3B	26.00	20.71	1.18	21.89	1	128	137
B-737-400	BOEING	CFM56-3B	26.00	20.71	1.18	21.89	1	146	146
B-737-500	BOEING	CFM56-3B	26.00	20.71	1.18	21.89	1	108	122
B-737-300	BOEING	CFM56-3C	29.48	20.59	1.83	22.42	1	128	137
B-737-400	BOEING	CFM56-3C	29.48	20.59	1.83	22.42	1	146	146
DC9-30	MCDONNELL DOUG	JT8D-7B	35.92	13.57	10.21	23.78	1	98	108
B-737-200	BOEING	JT8D-9A	35.36	14.86	9.95	24.81	1	102	122
A-320-100	AIRBUS	CFM56-5A1	15.03	23.75	1.45	25.20	1	150	150
A-321	AIRBUS	CFM56-5A1	15.03	23.75	1.45	25.20	2	186	200
A-340	AIRBUS	CFM56-5A1	15.03	23.75	1.45	25.20	3	262	440
DC9-80	MCDONNELL DOUG	JT8D-209	15.33	22.38	4.62	27.00	1	135	146
DC9-40	MCDONNELL DOUG	JT8D-11	39.61	16.49	10.83	27.32	1	107	107
B-737-200	BOEING	JT8D-15	40.33	17.59	11.96	29.55	1	102	122
B-727-200	BOEING	JT8D-17A	20.93	26.03	3.58	29.61	1	136	160
DC9-80	MCDONNELL DOUG	JT8D-217C	14.26	26.39	4.13	30.52	1	135	146
DC9-80	MCDONNELL DOUG	JT8D-217A	14.26	26.39	4.13	30.52	1	135	146
DC9-80	MCDONNELL DOUG	JT8D-217	14.26	26.39	4.13	30.52	1	135	146
B-737-200	BOEING	JT8D-17	35.27	18.89	11.67	30.56	1	102	122
DC9-50	MCDONNELL DOUG	JT8D-17	35.27	18.89	11.67	30.56	1	122	122
DC9-80	MCDONNELL DOUG	JT8D-219	14.24	26.92	4.19	31.11	1	135	146
A-320-200	AIRBUS	IAE V2500	7.38	34.02	0.32	34.34	1	150	150
DC-9-30	MCDONNELL-DOUG	IAE V2500	7.38	34.02	0.32	34.34	1	98	108
B-727-200	BOEING	JT8D-7B	53.88	20.35	15.31	35.66	1	136	160
DC8-70	MCDONNELL DOUG	CFM56-2B	53.65	34.70	2.99	37.69	2	189	259
B-757-200	BOEING	PW2037	23.78	35.75	2.34	38.09	2	187	194
B-727-200	BOEING	JT8D-15	60.49	26.38	17.94	44.32	1	136	160
B-727-200	BOEING	JT8D-17	52.91	28.33	17.50	45.83	1	136	160
A-310-300	AIRBUS	PW4152	16.52	47.36	1.21	48.57	2	218	280
B-757-200	BOEING	PW2040	26.75	49.87	2.65	52.52	2	187	194
B-767-200	BOEING	CF6-80C2B2	65.89	38.78	15.02	53.80	2	184	210
A-300B	AIRBUS	CF6-50C2	30.29	52.40	3.48	55.88	2	262	262
B-767-200	BOEING	CF6-80A	32.66	48.79	7.21	56.00	2	184	210
B-777-200	BOEING	PW4056	15.78	57.51	1.27	58.78	3	350	400
B-767-200	BOEING	CF6-80A2	32.62	52.37	7.32	59.69	2	184	210
B-767-300	BOEING	CF6-80A2	32.62	52.37	7.32	59.69	3	204	254
A-330	AIRBUS	PW4158	32.62	57.00	2.75	59.75	3	335	335
B-757-200	BOEING	RB211-535E4	22.55	60.11	1.35	61.46	2	187	194
B-767-200	BOEING	JT9D-7R4D	15.93	59.57	2.04	61.61	2	184	210
B-767-300	BOEING	PW4460	31.88	62.16	2.62	64.78	3	204	254
A-330	AIRBUS	CF6-80C2A1	60.08	54.60	12.85	67.45	3	335	335
A-330	AIRBUS	CF6-80C2A1	60.08	54.60	12.85	67.45	3	335	335
B-767-300	BOEING	CF6-80C2B6	61.60	54.51	13.08	67.59	3	204	254
A-300-600	AIRBUS	CF6-80C2A5	61.60	56.15	13.08	69.23	2	267	267
F-28	FOKKER	SPEY MK555	75.04	10.38	75.66	86.04	1	63	68
MD11-11	MCDONNELL DOUG	PW4460	47.83	93.24	3.93	97.17	3	314	314
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	93.35	81.99	20.65	102.64	3	314	314
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	93.35	81.99	20.65	102.64	3	314	314
DC10-40	MCDONNELL DOUG	JT9D-59	131.92	81.89	30.15	112.04	3	298	298
DC10-10	MCDONNELL DOUG	CF6-6D	102.49	76.80	38.50	115.30	3	284	296
DC10-10	MCDONNELL DOUG	CF6-6D	102.49	76.80	38.50	115.30	3	284	296
B-747-400	BOEING	PW4056	31.55	115.02	2.54	117.56	3	412	412
L-1011-500	LOCKHEED	RB211-524B4	33.20	112.00	6.17	118.17	3	226	226
B-747-200	BOEING	JT9D-7Q	175.89	109.18	40.20	149.38	3	410	410
DC10-30	MCDONNELL DOUG	CF6-50C2	148.19	88.75	88.14	176.89	3	258	298
B-747-100	BOEING	JT9D-7A (MOD V)	167.66	127.19	79.85	207.04	3	410	431
L-1011-50	LOCKHEED	RB211-22B	248.27	65.68	160.60	226.28	3	275	296
DC8-60	MCDONNELL DOUG	JT3D-7	262.74	25.65	218.35	244.00	2	189	259

EXAMPLE FLEET (ranked by HC/high # seats)

AIRCRAFT NAME	AIRCRAFT MANUFACTURER	ENGINE NAME	CO	EMISSIONS PER LTO			AIRCRAFT CLASS	LOW # SEATS	HIGH # SEATS	HC / HIGH # SEATS
				NOx	HC	HC+NOx				
A-320-200	AIRBUS	IAE V2500	7.38	34.02	0.32	34.34	1	150	150	0.0021
DC-9-30	MCDONNELL-DOUG	IAE V2500	7.38	34.02	0.32	34.34	1	98	108	0.0030
B-777-200	BOEING	PW4056	15.78	57.51	1.27	58.78	3	350	400	0.0032
A-340	AIRBUS	CFM56-5A1	15.03	23.75	1.45	25.20	3	262	440	0.0033
A-310-300	AIRBUS	PW4152	16.52	47.36	1.21	48.57	2	218	280	0.0043
B-747-400	BOEING	PW4056	31.55	115.02	2.54	117.56	3	412	412	0.0062
B-757-200	BOEING	RB211-535E4	22.55	60.11	1.35	61.46	2	187	194	0.0070
A-321	AIRBUS	CFM56-5A1	15.03	23.75	1.45	25.20	2	186	200	0.0073
B-737-400	BOEING	CFM56-3B	26.00	20.71	1.18	21.89	1	146	146	0.0081
A-330	AIRBUS	PW4158	32.62	57.00	2.75	59.75	3	335	335	0.0082
B-737-300	BOEING	CFM56-3B	26.00	20.71	1.18	21.89	1	128	137	0.0086
A-320-100	AIRBUS	CFM56-5A1	15.03	23.75	1.45	25.20	1	150	150	0.0097
B-737-500	BOEING	CFM56-3B	26.00	20.71	1.18	21.89	1	108	122	0.0097
B-767-200	BOEING	JT9D-7R4D	15.93	59.57	2.04	61.61	2	184	210	0.0097
B-767-300	BOEING	PW4460	31.88	62.16	2.62	64.78	3	204	254	0.0103
DC8-70	MCDONNELL DOUG	CFM56-2B	53.65	34.70	2.99	37.69	2	189	259	0.0115
A-300-600	AIRBUS	CF6-80C2A5	61.60	56.15	13.08	69.23	2	267	267	0.0012
B-757-200	BOEING	PW2037	23.78	35.75	2.34	38.09	2	187	194	0.0121
MD11-11	MCDONNELL DOUG	PW4460	47.83	93.24	3.93	97.17	3	314	314	0.0125
B-737-400	BOEING	CFM56-3C	29.48	20.59	1.83	22.42	1	146	146	0.0125
A-300B	AIRBUS	CF6-50C2	30.29	52.40	3.48	55.88	2	262	262	0.0133
B-737-300	BOEING	CFM56-3C	29.48	20.59	1.83	22.42	1	128	137	0.0134
B-757-200	BOEING	PW2040	26.75	49.87	2.65	52.52	2	187	194	0.0137
B-737-200	BOEING	JT8D-15A	13.51	16.09	2.60	18.69	1	102	122	0.0213
B-727-200	BOEING	JT8D-17A	20.93	26.03	3.58	29.61	1	136	160	0.0224
L-1011-500	LOCKHEED	RB211-524B4	33.20	112.00	6.17	118.17	3	226	226	0.0273
BAE 146-200	BAE	ALF 502R-5	24.65	10.51	3.10	13.61	1	95	110	0.0282
DC9-80	MCDONNELL DOUG	JT8D-217C	14.26	26.39	4.13	30.52	1	135	146	0.0283
DC9-80	MCDONNELL DOUG	JT8D-217A	14.26	26.39	4.13	30.52	1	135	146	0.0283
DC9-80	MCDONNELL DOUG	JT8D-217	14.26	26.39	4.13	30.52	1	135	146	0.0283
DC9-80	MCDONNELL DOUG	JT8D-219	14.24	26.92	4.19	31.11	1	135	146	0.0287
B-767-300	BOEING	CF6-80A2	32.62	52.37	7.32	59.69	3	204	254	0.0288
F100-100	FOKKER	TAY MK620-15	19.58	12.41	3.01	15.42	1	97	103	0.0292
F100-100	FOKKER	TAY MK650	30.52	12.70	3.17	15.87	1	97	103	0.0308
DC9-80	MCDONNELL DOUG	JT8D-209	15.33	22.38	4.62	27.00	1	135	146	0.0316
B-767-200	BOEING	CF6-80A	32.66	48.79	7.21	56.00	2	184	210	0.0343
B-767-200	BOEING	CF6-80A2	32.62	52.37	7.32	59.69	2	184	210	0.0349
A-330	AIRBUS	CF6-80C2A1	60.08	54.60	12.85	67.45	3	335	335	0.0384
A-330	AIRBUS	CF6-80C2A1	60.08	54.60	12.85	67.45	3	335	335	0.0384
B-767-300	BOEING	CF6-80C2B6	61.60	54.51	13.08	67.59	3	204	254	0.0515
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	93.35	81.99	20.65	102.64	3	314	314	0.0658
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	93.35	81.99	20.65	102.64	3	314	314	0.0658
B-767-200	BOEING	CF6-80C2B2	65.89	38.78	15.02	53.80	2	184	210	0.0715
B-737-200	BOEING	JT8D-9A	35.36	14.86	9.95	24.81	1	102	122	0.0816
DC9-30	MCDONNELL DOUG	JT8D-7B	35.92	13.57	10.21	23.78	1	98	108	0.0945
B-737-200	BOEING	JT8D-17	35.27	18.89	11.67	30.56	1	102	122	0.0957
DC9-50	MCDONNELL DOUG	JT8D-17	35.27	18.89	11.67	30.56	1	122	122	0.0957
B-727-200	BOEING	JT8D-7B	53.88	20.35	15.31	35.66	1	136	160	0.0957
B-737-200	BOEING	JT8D-15	40.33	17.59	11.96	29.55	1	102	122	0.0980
B-747-200	BOEING	JT9D-7Q	175.89	109.18	40.20	149.38	3	410	410	0.0980
DC10-40	MCDONNELL DOUG	JT9D-59	131.92	81.89	30.15	112.04	3	298	298	0.1012
DC9-40	MCDONNELL DOUG	JT8D-11	39.61	16.49	10.83	27.32	1	107	107	0.1012
B-727-200	BOEING	JT8D-17	52.91	28.33	17.50	45.83	1	136	160	0.1094
B-727-200	BOEING	JT8D-15	60.49	26.38	17.94	44.32	1	136	160	0.1121
DC10-10	MCDONNELL DOUG	CF6-6D	102.49	76.80	38.50	115.30	3	284	296	0.1301
DC10-10	MCDONNELL DOUG	CF6-6D	102.49	76.80	38.50	115.30	3	284	296	0.1301
B-747-100	BOEING	JT9D-7A (MOD V)	167.66	127.19	79.85	207.04	3	410	431	0.1853
DC10-30	MCDONNELL DOUG	CF6-50C2	148.19	88.75	88.14	176.89	3	258	298	0.2958
L-1011-50	LOCKHEED	RB211-22B	248.27	65.68	160.60	226.28	3	275	296	0.5426
DC8-60	MCDONNELL DOUG	JT3D-7	262.74	25.65	218.35	244.00	2	189	259	0.8431
F-28	FOKKER	SPEY MK555	75.04	10.38	75.66	86.04	1	63	68	1.1126

EXAMPLE FLEET (ranked by CO/high # seats)

AIRCRAFT NAME	AIRCRAFT MANUFACTURER	ENGINE NAME	CO	EMISSIONS PER LTO			AIRCRAFT CLASS	LOW # SEATS	HIGH # SEATS	CO / HIGH # SEATS
				NOx	HC	HC+NOx				
A-340	AIRBUS	CFM56-5A1	15.03	23.75	1.45	25.20	3	262	440	0.0342
B-777-200	BOEING	PW4056	15.78	57.51	1.27	58.78	3	350	400	0.0395
A-320-200	AIRBUS	IAE V2500	7.38	34.02	0.32	34.34	1	150	150	0.0492
A-310-300	AIRBUS	PW4152	16.52	47.36	1.21	48.57	2	218	280	0.0590
DC-9-30	MCDONNELL-DOUG	IAE V2500	7.38	34.02	0.32	34.34	1	98	108	0.0683
A-321	AIRBUS	CFM56-5A1	15.03	23.75	1.45	25.20	2	186	200	0.0752
B-767-200	BOEING	JT9D-7R4D	15.93	59.57	2.04	61.61	2	184	210	0.0759
B-747-400	BOEING	PW4056	31.55	115.02	2.54	117.56	3	412	412	0.0766
A-330	AIRBUS	PW4158	32.62	57.00	2.75	59.75	3	335	335	0.0974
DC9-80	MCDONNELL DOUG	JT8D-219	14.24	26.92	4.19	31.11	1	135	146	0.0975
DC9-80	MCDONNELL DOUG	JT8D-217C	14.26	26.39	4.13	30.52	1	135	146	0.0977
DC9-80	MCDONNELL DOUG	JT8D-217A	14.26	26.39	4.13	30.52	1	135	146	0.0977
DC9-80	MCDONNELL DOUG	JT8D-217	14.26	26.39	4.13	30.52	1	135	146	0.0977
A-320-100	AIRBUS	CFM56-5A1	15.03	23.75	1.45	25.20	1	150	150	0.1002
DC9-80	MCDONNELL DOUG	JT8D-209	15.33	22.38	4.62	27.00	1	135	146	0.1050
B-737-200	BOEING	JT8D-15A	13.51	16.09	2.60	18.69	1	102	122	0.1107
A-300B	AIRBUS	CF6-50C2	30.29	52.40	3.48	55.88	2	262	262	0.1156
B-757-200	BOEING	RB211-535E4	22.55	60.11	1.35	61.46	2	187	194	0.1162
B-757-200	BOEING	PW2037	23.78	35.75	2.34	38.09	2	187	194	0.1226
B-767-300	BOEING	PW4460	31.88	62.16	2.62	64.78	3	204	254	0.1255
B-767-300	BOEING	CF6-80A2	32.62	52.37	7.32	59.69	3	204	254	0.1284
B-727-200	BOEING	JT8D-17A	20.93	26.03	3.58	29.61	1	136	160	0.1308
B-757-200	BOEING	PW2040	26.75	49.87	2.65	52.52	2	187	194	0.1379
L-1011-500	LOCKHEED	RB211-524B4	33.20	112.00	6.17	118.17	3	226	226	0.1469
MD11-11	MCDONNELL DOUG	PW4460	47.83	93.24	3.93	97.17	3	314	314	0.1523
B-767-200	BOEING	CF6-80A2	32.62	52.37	7.32	59.69	2	184	210	0.1553
B-767-200	BOEING	CF6-80A	32.66	48.79	7.21	56.00	2	184	210	0.1555
B-737-400	BOEING	CFM56-3B	26.00	20.71	1.18	21.89	1	146	146	0.1781
A-330	AIRBUS	CF6-80C2A1	60.08	54.60	12.85	67.45	3	335	335	0.1793
A-330	AIRBUS	CF6-80C2A1	60.08	54.60	12.85	67.45	3	335	335	0.1793
B-737-300	BOEING	CFM56-3B	26.00	20.71	1.18	21.89	1	128	137	0.1898
F100-100	FOKKER	TAY MK620-15	19.58	12.41	3.01	15.42	1	97	103	0.1901
B-737-400	BOEING	CFM56-3C	29.48	20.59	1.83	22.42	1	146	146	0.2019
DC8-70	MCDONNELL DOUG	CFM56-2B	53.65	34.70	2.99	37.69	2	189	259	0.2071
B-737-500	BOEING	CFM56-3B	26.00	20.71	1.18	21.89	1	108	122	0.2131
B-737-300	BOEING	CFM56-3C	29.48	20.59	1.83	22.42	1	128	137	0.2152
BAE 146-200	BAE	ALF 502R-5	24.65	10.51	3.10	13.61	1	95	110	0.2241
A-300-600	AIRBUS	CF6-80C2A5	61.60	56.15	13.08	69.23	2	267	267	0.2307
B-767-300	BOEING	CF6-80C2B6	61.60	54.51	13.08	67.59	3	204	254	0.2425
B-737-200	BOEING	JT8D-17	35.27	18.89	11.67	30.56	1	102	122	0.2891
DC9-50	MCDONNELL DOUG	JT8D-17	35.27	18.89	11.67	30.56	1	122	122	0.2891
B-737-200	BOEING	JT8D-9A	35.36	14.86	9.95	24.81	1	102	122	0.2898
F100-100	FOKKER	TAY MK650	30.52	12.70	3.17	15.87	1	97	103	0.2963
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	93.35	81.99	20.65	102.64	3	314	314	0.2973
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	93.35	81.99	20.65	102.64	3	314	314	0.2973
B-767-200	BOEING	CF6-80C2B2	65.89	38.78	15.02	53.80	2	184	210	0.3138
B-737-200	BOEING	JT8D-15	40.33	17.59	11.96	29.55	1	102	122	0.3306
B-727-200	BOEING	JT8D-17	52.91	28.33	17.50	45.83	1	136	160	0.3307
DC9-30	MCDONNELL DOUG	JT8D-7B	35.92	13.57	10.21	23.78	1	98	108	0.3326
B-727-200	BOEING	JT8D-7B	53.88	20.35	15.31	35.66	1	136	160	0.3368
DC10-10	MCDONNELL DOUG	CF6-6D	102.49	76.80	38.50	115.30	3	284	296	0.3463
DC10-10	MCDONNELL DOUG	CF6-6D	102.49	76.80	38.50	115.30	3	284	296	0.3463
DC9-40	MCDONNELL DOUG	JT8D-11	39.61	16.49	10.83	27.32	1	107	107	0.3702
B-727-200	BOEING	JT8D-15	60.49	26.38	17.94	44.32	1	136	160	0.3781
B-747-100	BOEING	JT9D-7A (MOD V)	167.66	127.19	79.85	207.04	3	410	431	0.3890
B-747-200	BOEING	JT9D-7Q	175.89	109.18	40.20	149.38	3	410	410	0.4290
DC10-40	MCDONNELL DOUG	JT9D-59	131.92	81.89	30.15	112.04	3	298	298	0.4427
DC10-30	MCDONNELL DOUG	CF6-50C2	148.19	88.75	88.14	176.89	3	258	298	0.4973
L-1011-50	LOCKHEED	RB211-22B	248.27	65.68	160.60	226.28	3	275	296	0.8388
DC8-60	MCDONNELL DOUG	JT3D-7	262.74	25.65	218.35	244.00	2	189	259	1.0144
F-28	FOKKER	SPEY MK555	75.04	10.38	75.66	86.04	1	63	68	1.1035

EXAMPLE FLEET (ranked by NOx/high # seats)

AIRCRAFT NAME	AIRCRAFT MANUFACTURER	ENGINE NAME	CO	EMISSIONS PER LTO			AIRCRAFT CLASS	LOW # SEATS	HIGH # SEATS	NOx / HIGH # SEATS
				NOx	HC	HC+NOx				
A-340	AIRBUS	CFM56-5A1	15.03	23.75	1.45	25.20	3	262	440	0.0540
BAE 146-200	BAE	ALF 502R-5	24.65	10.51	3.10	13.61	1	95	110	0.0955
DC8-60	MCDONNELL DOUG	JT3D-7	262.74	25.65	218.35	244.00	2	189	259	0.0990
A-321	AIRBUS	CFM56-5A1	15.03	23.75	1.45	25.20	2	186	200	0.1188
F100-100	FOKKER	TAY MK620-15	19.58	12.41	3.01	15.42	1	97	103	0.1205
B-737-200	BOEING	JT8D-9A	35.36	14.86	9.95	24.81	1	102	122	0.1218
F100-100	FOKKER	TAY MK650	30.52	12.70	3.17	15.87	1	97	103	0.1233
DC9-30	MCDONNELL DOUG	JT8D-7B	35.92	13.57	10.21	23.78	1	98	108	0.1256
B-727-200	BOEING	JT8D-7B	53.88	20.35	15.31	35.66	1	136	160	0.1272
B-737-200	BOEING	JT8D-15A	13.51	16.09	2.60	18.69	1	102	122	0.1319
DC8-70	MCDONNELL DOUG	CFM56-2B	53.65	34.70	2.99	37.69	2	189	259	0.1340
B-737-400	BOEING	CFM56-3C	29.48	20.59	1.83	22.42	1	146	146	0.1410
B-737-400	BOEING	CFM56-3B	26.00	20.71	1.18	21.89	1	146	146	0.1418
B-777-200	BOEING	PW4056	15.78	57.51	1.27	58.78	3	350	400	0.1438
B-737-200	BOEING	JT8D-15	40.33	17.59	11.96	29.55	1	102	122	0.1442
B-737-300	BOEING	CFM56-3C	29.48	20.59	1.83	22.42	1	128	137	0.1503
B-737-300	BOEING	CFM56-3B	26.00	20.71	1.18	21.89	1	128	137	0.1512
F-28	FOKKER	SPEY MK555	75.04	10.38	75.66	86.04	1	63	68	0.1526
DC9-80	MCDONNELL DOUG	JT8D-209	15.33	22.38	4.62	27.00	1	135	146	0.1533
DC9-40	MCDONNELL DOUG	JT8D-11	39.61	16.49	10.83	27.32	1	107	107	0.1541
B-737-200	BOEING	JT8D-17	35.27	18.89	11.67	30.56	1	102	122	0.1548
DC9-50	MCDONNELL DOUG	JT8D-17	35.27	18.89	11.67	30.56	1	122	122	0.1548
A-320-100	AIRBUS	CFM56-5A1	15.03	23.75	1.45	25.20	1	150	150	0.1583
B-727-200	BOEING	JT8D-17A	20.93	26.03	3.58	29.61	1	136	160	0.1627
A-330	AIRBUS	CF6-80C2A1	60.08	54.60	12.85	67.45	3	335	335	0.1630
A-330	AIRBUS	CF6-80C2A1	60.08	54.60	12.85	67.45	3	335	335	0.1630
B-727-200	BOEING	JT8D-15	60.49	26.38	17.94	44.32	1	136	160	0.1649
A-310-300	AIRBUS	PW4152	16.52	47.36	1.21	48.57	2	218	280	0.1691
B-737-500	BOEING	CFM56-3B	26.00	20.71	1.18	21.89	1	108	122	0.1698
A-330	AIRBUS	PW4158	32.62	57.00	2.75	59.75	3	335	335	0.1701
B-727-200	BOEING	JT8D-17	52.91	28.33	17.50	45.83	1	136	160	0.1771
DC9-80	MCDONNELL DOUG	JT8D-217C	14.26	26.39	4.13	30.52	1	135	146	0.1808
DC9-80	MCDONNELL DOUG	JT8D-217A	14.26	26.39	4.13	30.52	1	135	146	0.1808
DC9-80	MCDONNELL DOUG	JT8D-217	14.26	26.39	4.13	30.52	1	135	146	0.1808
B-757-200	BOEING	PW2037	23.78	35.75	2.34	38.09	2	187	194	0.1843
DC9-80	MCDONNELL DOUG	JT8D-219	14.24	26.92	4.19	31.11	1	135	146	0.1844
B-767-200	BOEING	CF6-80C2B2	65.89	38.78	15.02	53.80	2	184	210	0.1847
A-300B	AIRBUS	CF6-50C2	30.29	52.40	3.48	55.88	2	262	262	0.2000
B-767-300	BOEING	CF6-80A2	32.62	52.37	7.32	59.69	3	204	254	0.2062
A-300-600	AIRBUS	CF6-80C2A5	61.60	56.15	13.08	69.23	2	267	267	0.2103
B-767-300	BOEING	CF6-80C2B6	61.60	54.51	13.08	67.59	3	204	254	0.2146
L-1011-50	LOCKHEED	RB211-22B	248.27	65.68	160.60	226.28	3	275	296	0.2219
A-320-200	AIRBUS	IAE V2500	7.38	34.02	0.32	34.34	1	150	150	0.2268
B-767-200	BOEING	CF6-80A	32.66	48.79	7.21	56.00	2	184	210	0.2323
B-767-300	BOEING	PW4460	31.88	62.16	2.62	64.78	3	204	254	0.2447
B-767-200	BOEING	CF6-80A2	32.62	52.37	7.32	59.69	2	184	210	0.2494
B-757-200	BOEING	PW2040	26.75	49.87	2.65	52.52	2	187	194	0.2571
DC10-10	MCDONNELL DOUG	CF6-6D	102.49	76.80	38.50	115.30	3	284	296	0.2595
DC10-10	MCDONNELL DOUG	CF6-6D	102.49	76.80	38.50	115.30	3	284	296	0.2595
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	93.35	81.99	20.65	102.64	3	314	314	0.2611
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	93.35	81.99	20.65	102.64	3	314	314	0.2611
B-747-200	BOEING	JT9D-7Q	175.89	109.18	40.20	149.38	3	410	410	0.2663
DC10-40	MCDONNELL DOUG	JT9D-59	131.92	81.89	30.15	112.04	3	298	298	0.2748
B-747-400	BOEING	PW4056	31.55	115.02	2.54	117.56	3	412	412	0.2792
B-767-200	BOEING	JT9D-7R4D	15.93	59.57	2.04	61.61	2	184	210	0.2837
B-747-100	BOEING	JT9D-7A (MOD V)	167.66	127.19	79.85	207.04	3	410	431	0.2951
MD11-11	MCDONNELL DOUG	PW4460	47.83	93.24	3.93	97.17	3	314	314	0.2969
DC10-30	MCDONNELL DOUG	CF6-50C2	148.19	88.75	88.14	176.89	3	258	298	0.2978
B-757-200	BOEING	RB211-535E4	22.55	60.11	1.35	61.46	2	187	194	0.3098
DC-9-30	MCDONNELL-DOUG	IAE V2500	7.38	34.02	0.32	34.34	1	98	108	0.3150
L-1011-500	LOCKHEED	RB211-524B4	33.20	112.00	6.17	118.17	3	226	226	0.4956

EXAMPLE FLEET (ranked by HC+NOx/high # seats)

AIRCRAFT	AIRCRAFT	ENGINE	EMISSIONS PER LTO				AIRCRAFT	LOW #	HIGH #	NOx+HC /
NAME	MANUFACTURER	NAME	CO	NOx	HC	HC+NOx	CLASS	SEATS	SEATS	HIGH #
A-340	AIRBUS	CFM56-5A1	15.03	23.75	1.45	25.20	3	262	440	0.0573
BAE 146-200	BAE	ALF 502R-5	24.65	10.51	3.10	13.61	1	95	110	0.1237
A-321	AIRBUS	CFM56-5A1	15.03	23.75	1.45	25.20	2	186	200	0.1260
DC8-70	MCDONNELL DOUG	CFM56-2B	53.65	34.70	2.99	37.69	2	189	259	0.1455
B-777-200	BOEING	PW4056	15.78	57.51	1.27	58.78	3	350	400	0.1470
F100-100	FOKKER	TAY MK620-15	19.58	12.41	3.01	15.42	1	97	103	0.1497
B-737-400	BOEING	CFM56-3B	26.00	20.71	1.18	21.89	1	146	146	0.1499
B-737-200	BOEING	JT8D-15A	13.51	16.09	2.60	18.69	1	102	122	0.1532
B-737-400	BOEING	CFM56-3C	29.48	20.59	1.83	22.42	1	146	146	0.1536
F100-100	FOKKER	TAY MK650	30.52	12.70	3.17	15.87	1	97	103	0.1541
B-737-300	BOEING	CFM56-3B	26.00	20.71	1.18	21.89	1	128	137	0.1598
B-737-300	BOEING	CFM56-3C	29.48	20.59	1.83	22.42	1	128	137	0.1636
A-320-100	AIRBUS	CFM56-5A1	15.03	23.75	1.45	25.20	1	150	150	0.1680
A-310-300	AIRBUS	PW4152	16.52	47.36	1.21	48.57	2	218	280	0.1735
A-330	AIRBUS	PW4158	32.62	57.00	2.75	59.75	3	335	335	0.1784
B-737-500	BOEING	CFM56-3B	26.00	20.71	1.18	21.89	1	108	122	0.1794
DC9-80	MCDONNELL DOUG	JT8D-209	15.33	22.38	4.62	27.00	1	135	146	0.1849
B-727-200	BOEING	JT8D-17A	20.93	26.03	3.58	29.61	1	136	160	0.1851
B-757-200	BOEING	PW2037	23.78	35.75	2.34	38.09	2	187	194	0.1963
A-330	AIRBUS	CF6-80C2A1	60.08	54.60	12.85	67.45	3	335	335	0.2013
A-330	AIRBUS	CF6-80C2A1	60.08	54.60	12.85	67.45	3	335	335	0.2013
B-737-200	BOEING	JT8D-9A	35.36	14.86	9.95	24.81	1	102	122	0.2034
DC9-80	MCDONNELL DOUG	JT8D-217C	14.26	26.39	4.13	30.52	1	135	146	0.2090
DC9-80	MCDONNELL DOUG	JT8D-217A	14.26	26.39	4.13	30.52	1	135	146	0.2090
DC9-80	MCDONNELL DOUG	JT8D-217	14.26	26.39	4.13	30.52	1	135	146	0.2090
DC9-80	MCDONNELL DOUG	JT8D-219	14.24	26.92	4.19	31.11	1	135	146	0.2131
A-300B	AIRBUS	CF6-50C2	30.29	52.40	3.48	55.88	2	262	262	0.2133
DC9-30	MCDONNELL DOUG	JT8D-7B	35.92	13.57	10.21	23.78	1	98	108	0.2202
B-727-200	BOEING	JT8D-7B	53.88	20.35	15.31	35.66	1	136	160	0.2229
A-320-200	AIRBUS	IAE V2500	7.38	34.02	0.32	34.34	1	150	150	0.2289
B-767-300	BOEING	CF6-80A2	32.62	52.37	7.32	59.69	3	204	254	0.2350
B-737-200	BOEING	JT8D-15	40.33	17.59	11.96	29.55	1	102	122	0.2422
B-737-200	BOEING	JT8D-17	35.27	18.89	11.67	30.56	1	102	122	0.2505
DC9-50	MCDONNELL DOUG	JT8D-17	35.27	18.89	11.67	30.56	1	122	122	0.2505
B-767-300	BOEING	PW4460	31.88	62.16	2.62	64.78	3	204	254	0.2550
DC9-40	MCDONNELL DOUG	JT8D-11	39.61	16.49	10.83	27.32	1	107	107	0.2553
B-767-200	BOEING	CF6-80C2B2	65.89	38.78	15.02	53.80	2	184	210	0.2562
A-300-600	AIRBUS	CF6-80C2A5	61.60	56.15	13.08	69.23	2	267	267	0.2593
B-767-300	BOEING	CF6-80C2B6	61.60	54.51	13.08	67.59	3	204	254	0.2661
B-767-200	BOEING	CF6-80A	32.66	48.79	7.21	56.00	2	184	210	0.2667
B-757-200	BOEING	PW2040	26.75	49.87	2.65	52.52	2	187	194	0.2707
B-727-200	BOEING	JT8D-15	60.49	26.38	17.94	44.32	1	136	160	0.2770
B-767-200	BOEING	CF6-80A2	32.62	52.37	7.32	59.69	2	184	210	0.2842
B-747-400	BOEING	PW4056	31.55	115.02	2.54	117.56	3	412	412	0.2853
B-727-200	BOEING	JT8D-17	52.91	28.33	17.50	45.83	1	136	160	0.2864
B-767-200	BOEING	JT9D-7R4D	15.93	59.57	2.04	61.61	2	184	210	0.2934
MD11-11	MCDONNELL DOUG	PW4460	47.83	93.24	3.93	97.17	3	314	314	0.3095
B-757-200	BOEING	RB211-535E4	22.55	60.11	1.35	61.46	2	187	194	0.3168
DC-9-30	MCDONNELL-DOUG	IAE V2500	7.38	34.02	0.32	34.34	1	98	108	0.3180
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	93.35	81.99	20.65	102.64	3	314	314	0.3269
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	93.35	81.99	20.65	102.64	3	314	314	0.3269
B-747-200	BOEING	JT9D-7Q	175.89	109.18	40.20	149.38	3	410	410	0.3643
DC10-40	MCDONNELL DOUG	JT9D-59	131.92	81.89	30.15	112.04	3	298	298	0.3760
DC10-10	MCDONNELL DOUG	CF6-6D	102.49	76.80	38.50	115.30	3	284	296	0.3895
DC10-10	MCDONNELL DOUG	CF6-6D	102.49	76.80	38.50	115.30	3	284	296	0.3895
B-747-100	BOEING	JT9D-7A (MOD V)	167.66	127.19	79.85	207.04	3	410	431	0.4804
L-1011-500	LOCKHEED	RB211-524B4	33.20	112.00	6.17	118.17	3	226	226	0.5229
DC10-30	MCDONNELL DOUG	CF6-50C2	148.19	88.75	88.14	176.89	3	258	298	0.5936
L-1011-50	LOCKHEED	RB211-22B	248.27	65.68	160.60	226.28	3	275	296	0.7645
DC8-60	MCDONNELL DOUG	JT3D-7	262.74	25.65	218.35	244.00	2	189	259	0.9421
F-28	FOKKER	SPEY MK555	75.04	10.38	75.66	86.04	1	63	68	1.2653

EXAMPLE FLEET (ranked by LTO HC/engine)

AIRCRAFT NAME	AIRCRAFT MANUFACTURER	ENGINE NAME	# ENGINES	EMISSIONS PER LTO CO	EMISSIONS PER LTO NOx	EMISSIONS PER LTO HC	AIRCRAFT CLASS	LTO EMISSIONS PER ENGINE CO	LTO EMISSIONS PER ENGINE NOx	LTO EMISSIONS PER ENGINE HC
A-320-200	AIRBUS	IAE V2500	2	7.38	34.02	0.32	1	3.69	17.01	0.16
DC-9-30	MCDONNELL-DOUG	IAE V2500	2	7.38	34.02	0.32	1	3.69	17.01	0.16
B-737-400	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	13.00	10.36	0.59
B-737-300	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	13.00	10.36	0.59
B-737-500	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	13.00	10.36	0.59
A-310-300	AIRBUS	PW4152	2	16.52	47.36	1.21	2	8.26	23.68	0.61
B-747-400	BOEING	PW4056	4	31.55	115.02	2.54	3	7.89	28.76	0.64
B-777-200	BOEING	PW4056	2	15.78	57.51	1.27	3	7.89	28.76	0.64
B-757-200	BOEING	RB211-535E4	2	22.55	60.11	1.35	2	11.28	30.06	0.68
A-340	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	3	7.52	11.88	0.73
A-321	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	2	7.52	11.88	0.73
A-320-100	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	1	7.52	11.88	0.73
DC8-70	MCDONNELL DOUG	CFM56-2B	4	53.65	34.70	2.99	2	13.41	8.68	0.75
BAE 146-200	BAE	ALF 502R-5	4	24.65	10.51	3.10	1	6.16	2.63	0.78
B-737-400	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	14.74	10.30	0.92
B-737-300	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	14.74	10.30	0.92
B-767-200	BOEING	JT9D-7R4D	2	15.93	59.57	2.04	2	7.97	29.79	1.02
B-757-200	BOEING	PW2037	2	23.78	35.75	2.34	2	11.89	17.88	1.17
B-727-200	BOEING	JT8D-17A	3	20.93	26.03	3.58	1	6.98	8.68	1.19
B-737-200	BOEING	JT8D-15A	2	13.51	16.09	2.60	1	6.76	8.05	1.30
B-767-300	BOEING	PW4460	2	31.88	62.16	2.62	3	15.94	31.08	1.31
MD11-11	MCDONNELL DOUG	PW4460	3	47.83	93.24	3.93	3	15.94	31.08	1.31
B-757-200	BOEING	PW2040	2	26.75	49.87	2.65	2	13.38	24.94	1.33
A-330	AIRBUS	PW4158	2	32.62	57.00	2.75	3	16.31	28.50	1.38
F100-100	FOKKER	TAY MK620-15	2	19.58	12.41	3.01	1	9.79	6.21	1.51
F100-100	FOKKER	TAY MK650	2	30.52	12.70	3.17	1	15.26	6.35	1.59
A-300B	AIRBUS	CF6-50C2	2	30.29	52.40	3.48	2	15.15	26.20	1.74
L-1011-500	LOCKHEED	RB211-524B4	3	33.20	112.00	6.17	3	11.07	37.33	2.06
DC9-80	MCDONNELL DOUG	JT8D-217C	2	14.26	26.39	4.13	1	7.13	13.20	2.07
DC9-80	MCDONNELL DOUG	JT8D-217A	2	14.26	26.39	4.13	1	7.13	13.20	2.07
DC9-80	MCDONNELL DOUG	JT8D-217	2	14.26	26.39	4.13	1	7.13	13.20	2.07
DC9-80	MCDONNELL DOUG	JT8D-219	2	14.24	26.92	4.19	1	7.12	13.46	2.10
DC9-80	MCDONNELL DOUG	JT8D-209	2	15.33	22.38	4.62	1	7.67	11.19	2.31
B-767-200	BOEING	CF6-80A	2	32.66	48.79	7.21	2	16.33	24.40	3.61
B-767-300	BOEING	CF6-80A2	2	32.62	52.37	7.32	3	16.31	26.19	3.66
B-767-200	BOEING	CF6-80A2	2	32.62	52.37	7.32	2	16.31	26.19	3.66
B-737-200	BOEING	JT8D-9A	2	35.36	14.86	9.95	1	17.68	7.43	4.98
B-727-200	BOEING	JT8D-7B	3	53.88	20.35	15.31	1	17.96	6.78	5.10
DC9-30	MCDONNELL DOUG	JT8D-7B	2	35.92	13.57	10.21	1	17.96	6.79	5.11
DC9-40	MCDONNELL DOUG	JT8D-11	2	39.61	16.49	10.83	1	19.81	8.25	5.42
B-727-200	BOEING	JT8D-17	3	52.91	28.33	17.50	1	17.64	9.44	5.83
B-737-200	BOEING	JT8D-17	2	35.27	18.89	11.67	1	17.64	9.45	5.84
DC9-50	MCDONNELL DOUG	JT8D-17	2	35.27	18.89	11.67	1	17.64	9.45	5.84
B-727-200	BOEING	JT8D-15	3	60.49	26.38	17.94	1	20.16	8.79	5.98
B-737-200	BOEING	JT8D-15	2	40.33	17.59	11.96	1	20.17	8.80	5.98
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	30.04	27.30	6.43
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	30.04	27.30	6.43
B-767-300	BOEING	CF6-80C2B6	2	61.60	54.51	13.08	3	30.80	27.26	6.54
A-300-600	AIRBUS	CF6-80C2A5	2	61.60	56.15	13.08	2	30.80	28.08	6.54
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	31.12	27.33	6.88
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	31.12	27.33	6.88
B-767-200	BOEING	CF6-80C2B2	2	65.89	38.78	15.02	2	32.95	19.39	7.51
DC10-40	MCDONNELL DOUG	JT9D-59	3	131.92	81.89	30.15	3	43.97	27.30	10.05
B-747-200	BOEING	JT9D-7Q	4	175.89	109.18	40.20	3	43.97	27.30	10.05
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	34.16	25.60	12.83
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	34.16	25.60	12.83
B-747-100	BOEING	JT9D-7A (MOD V)	4	167.66	127.19	79.85	3	41.92	31.80	19.96
DC10-30	MCDONNELL DOUG	CF6-50C2	3	148.19	88.75	88.14	3	49.40	29.58	29.38
F-28	FOKKER	SPEY MK555	2	75.04	10.38	75.66	1	37.52	5.19	37.83
L-1011-50	LOCKHEED	RB211-22B	3	248.27	65.68	160.60	3	82.76	21.89	53.53
DC8-60	MCDONNELL DOUG	JT3D-7	4	262.74	25.65	218.35	2	65.69	6.41	54.59

EXAMPLE FLEET (ranked by LTO CO/engine)

AIRCRAFT NAME	AIRCRAFT MANUFACTURER	ENGINE NAME	# ENGINES	EMISSIONS PER LTO			AIRCRAFT CLASS	LTO EMISSIONS PER ENGINE		
				CO	NOx	HC		CO	NOx	HC
A-320-200	AIRBUS	IAE V2500	2	7.38	34.02	0.32	1	3.69	17.01	0.16
DC-9-30	MCDONNELL-DOUG	IAE V2500	2	7.38	34.02	0.32	1	3.69	17.01	0.16
BAE 146-200	BAE	ALF 502R-5	4	24.65	10.51	3.10	1	6.16	2.63	0.78
B-737-200	BOEING	JT8D-15A	2	13.51	16.09	2.60	1	6.76	8.05	1.30
B-727-200	BOEING	JT8D-17A	3	20.93	26.03	3.58	1	6.98	8.68	1.19
DC9-80	MCDONNELL DOUG	JT8D-219	2	14.24	26.92	4.19	1	7.12	13.46	2.10
DC9-80	MCDONNELL DOUG	JT8D-217C	2	14.26	26.39	4.13	1	7.13	13.20	2.07
DC9-80	MCDONNELL DOUG	JT8D-217A	2	14.26	26.39	4.13	1	7.13	13.20	2.07
DC9-80	MCDONNELL DOUG	JT8D-217	2	14.26	26.39	4.13	1	7.13	13.20	2.07
A-340	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	3	7.52	11.88	0.73
A-321	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	2	7.52	11.88	0.73
A-320-100	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	1	7.52	11.88	0.73
DC9-80	MCDONNELL DOUG	JT8D-209	2	15.33	22.38	4.62	1	7.67	11.19	2.31
B-747-400	BOEING	PW4056	4	31.55	115.02	2.54	3	7.89	28.76	0.64
B-777-200	BOEING	PW4056	2	15.78	57.51	1.27	3	7.89	28.76	0.64
B-767-200	BOEING	JT9D-7R4D	2	15.93	59.57	2.04	2	7.97	29.79	1.02
A-310-300	AIRBUS	PW4152	2	16.52	47.36	1.21	2	8.26	23.68	0.61
F100-100	FOKKER	TAY MK620-15	2	19.58	12.41	3.01	1	9.79	6.21	1.51
L-1011-500	LOCKHEED	RB211-524B4	3	33.20	112.00	6.17	3	11.07	37.33	2.06
B-757-200	BOEING	RB211-535E4	2	22.55	60.11	1.35	2	11.28	30.06	0.68
B-757-200	BOEING	PW2037	2	23.78	35.75	2.34	2	11.89	17.88	1.17
B-737-400	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	13.00	10.36	0.59
B-737-300	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	13.00	10.36	0.59
B-737-500	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	13.00	10.36	0.59
B-757-200	BOEING	PW2040	2	26.75	49.87	2.65	2	13.38	24.94	1.33
DC8-70	MCDONNELL DOUG	CFM56-2B	4	53.65	34.70	2.99	2	13.41	8.68	0.75
B-737-400	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	14.74	10.30	0.92
B-737-300	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	14.74	10.30	0.92
A-300B	AIRBUS	CF6-50C2	2	30.29	52.40	3.48	2	15.15	26.20	1.74
F100-100	FOKKER	TAY MK650	2	30.52	12.70	3.17	1	15.26	6.35	1.59
B-767-300	BOEING	PW4460	2	31.88	62.16	2.62	3	15.94	31.08	1.31
MD11-11	MCDONNELL DOUG	PW4460	3	47.83	93.24	3.93	3	15.94	31.08	1.31
A-330	AIRBUS	PW4158	2	32.62	57.00	2.75	3	16.31	28.50	1.38
B-767-300	BOEING	CF6-80A2	2	32.62	52.37	7.32	3	16.31	26.19	3.66
B-767-200	BOEING	CF6-80A2	2	32.62	52.37	7.32	2	16.31	26.19	3.66
B-767-200	BOEING	CF6-80A	2	32.66	48.79	7.21	2	16.33	24.40	3.61
B-737-200	BOEING	JT8D-17	2	35.27	18.89	11.67	1	17.64	9.45	5.84
DC9-50	MCDONNELL DOUG	JT8D-17	2	35.27	18.89	11.67	1	17.64	9.45	5.84
B-727-200	BOEING	JT8D-17	3	52.91	28.33	17.50	1	17.64	9.44	5.83
B-737-200	BOEING	JT8D-9A	2	35.36	14.86	9.95	1	17.68	7.43	4.98
B-727-200	BOEING	JT8D-7B	3	53.88	20.35	15.31	1	17.96	6.78	5.10
DC9-30	MCDONNELL DOUG	JT8D-7B	2	35.92	13.57	10.21	1	17.96	6.79	5.11
DC9-40	MCDONNELL DOUG	JT8D-11	2	39.61	16.49	10.83	1	19.81	8.25	5.42
B-727-200	BOEING	JT8D-15	3	60.49	26.38	17.94	1	20.16	8.79	5.98
B-737-200	BOEING	JT8D-15	2	40.33	17.59	11.96	1	20.17	8.80	5.98
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	30.04	27.30	6.43
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	30.04	27.30	6.43
B-767-300	BOEING	CF6-80C2B6	2	61.60	54.51	13.08	3	30.80	27.26	6.54
A-300-600	AIRBUS	CF6-80C2A5	2	61.60	56.15	13.08	2	30.80	28.08	6.54
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	31.12	27.33	6.88
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	31.12	27.33	6.88
B-767-200	BOEING	CF6-80C2B2	2	65.89	38.78	15.02	2	32.95	19.39	7.51
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	34.16	25.60	12.83
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	34.16	25.60	12.83
F-28	FOKKER	SPEY MK555	2	75.04	10.38	75.66	1	37.52	5.19	37.83
B-747-100	BOEING	JT9D-7A (MOD V)	4	167.66	127.19	79.85	3	41.92	31.80	19.96
B-747-200	BOEING	JT9D-7Q	4	175.89	109.18	40.20	3	43.97	27.30	10.05
DC10-40	MCDONNELL DOUG	JT9D-59	3	131.92	81.89	30.15	3	43.97	27.30	10.05
DC10-30	MCDONNELL DOUG	CF6-50C2	3	148.19	88.75	88.14	3	49.40	29.58	29.38
DC8-60	MCDONNELL DOUG	JT3D-7	4	262.74	25.65	218.35	2	65.69	6.41	54.59
L-1011-50	LOCKHEED	RB211-22B	3	248.27	65.68	160.60	3	82.76	21.89	53.53

EXAMPLE FLEET (ranked by LTO NOx/engine)

AIRCRAFT NAME	AIRCRAFT MANUFACTURER	ENGINE NAME	# ENGINES	EMISSIONS PER LTO			AIRCRAFT CLASS	LTO EMISSIONS PER ENGINE		
				CO	NOx	HC		CO	NOx	HC
BAE 146-200	BAE	ALF 502R-5	4	24.65	10.51	3.10	1	6.16	2.63	0.78
F-28	FOKKER	SPEY MK555	2	75.04	10.38	75.66	1	37.52	5.19	37.83
F100-100	FOKKER	TAY MK620-15	2	19.58	12.41	3.01	1	9.79	6.21	1.51
F100-100	FOKKER	TAY MK650	2	30.52	12.70	3.17	1	15.26	6.35	1.59
DC8-60	MCDONNELL DOUG	JT3D-7	4	262.74	25.65	218.35	2	65.69	6.41	54.59
B-727-200	BOEING	JT8D-7B	3	53.88	20.35	15.31	1	17.96	6.78	5.10
DC9-30	MCDONNELL DOUG	JT8D-7B	2	35.92	13.57	10.21	1	17.96	6.79	5.11
B-737-200	BOEING	JT8D-9A	2	35.36	14.86	9.95	1	17.68	7.43	4.98
B-737-200	BOEING	JT8D-15A	2	13.51	16.09	2.60	1	6.76	8.05	1.30
DC9-40	MCDONNELL DOUG	JT8D-11	2	39.61	16.49	10.83	1	19.81	8.25	5.42
DC8-70	MCDONNELL DOUG	CFM56-2B	4	53.65	34.70	2.99	2	13.41	8.68	0.79
B-727-200	BOEING	JT8D-17A	3	20.93	26.03	3.58	1	6.98	8.68	1.19
B-727-200	BOEING	JT8D-15	3	60.49	26.38	17.94	1	20.16	8.79	5.98
B-737-200	BOEING	JT8D-15	2	40.33	17.59	11.96	1	20.17	8.80	5.98
B-727-200	BOEING	JT8D-17	3	52.91	28.33	17.50	1	17.64	9.44	5.83
B-737-200	BOEING	JT8D-17	2	35.27	18.89	11.67	1	17.64	9.45	5.84
DC9-50	MCDONNELL DOUG	JT8D-17	2	35.27	18.89	11.67	1	17.64	9.45	5.84
B-737-400	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	14.74	10.30	0.92
B-737-300	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	14.74	10.30	0.92
B-737-400	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	13.00	10.36	0.59
B-737-300	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	13.00	10.36	0.59
B-737-500	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	13.00	10.36	0.59
DC9-80	MCDONNELL DOUG	JT8D-209	2	15.33	22.38	4.62	1	7.67	11.19	2.31
A-340	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	3	7.52	11.88	0.73
A-321	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	2	7.52	11.88	0.73
A-320-100	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	1	7.52	11.88	0.73
DC9-80	MCDONNELL DOUG	JT8D-217C	2	14.26	26.39	4.13	1	7.13	13.20	2.07
DC9-80	MCDONNELL DOUG	JT8D-217A	2	14.26	26.39	4.13	1	7.13	13.20	2.07
DC9-80	MCDONNELL DOUG	JT8D-217	2	14.26	26.39	4.13	1	7.13	13.20	2.07
DC9-80	MCDONNELL DOUG	JT8D-219	2	14.24	26.92	4.19	1	7.12	13.46	2.10
A-320-200	AIRBUS	IAE V2500	2	7.38	34.02	0.32	1	3.69	17.01	0.16
DC-9-30	MCDONNELL-DOUG	IAE V2500	2	7.38	34.02	0.32	1	3.69	17.01	0.16
B-757-200	BOEING	PW2037	2	23.78	35.75	2.34	2	11.89	17.88	1.17
B-767-200	BOEING	CF6-80C2B2	2	65.89	38.78	15.02	2	32.95	19.39	7.51
L-1011-50	LOCKHEED	RB211-22B	3	248.27	65.68	160.60	3	82.76	21.89	53.53
A-310-300	AIRBUS	PW4152	2	16.52	47.36	1.21	2	8.26	23.68	0.61
B-767-200	BOEING	CF6-80A	2	32.66	48.79	7.21	2	16.33	24.40	3.61
B-757-200	BOEING	PW2040	2	26.75	49.87	2.65	2	13.38	24.94	1.33
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	34.16	25.60	12.83
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	34.16	25.60	12.83
B-767-300	BOEING	CF6-80A2	2	32.62	52.37	7.32	3	16.31	26.19	3.66
B-767-200	BOEING	CF6-80A2	2	32.62	52.37	7.32	2	16.31	26.19	3.66
A-300B	AIRBUS	CF6-50C2	2	30.29	52.40	3.48	2	15.15	26.20	1.74
B-767-300	BOEING	CF6-80C2B6	2	61.60	54.51	13.08	3	30.80	27.26	6.54
B-747-200	BOEING	JT9D-7Q	4	175.89	109.18	40.20	3	43.97	27.30	10.05
DC10-40	MCDONNELL DOUG	JT9D-59	3	131.92	81.89	30.15	3	43.97	27.30	10.05
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	30.04	27.30	6.43
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	30.04	27.30	6.43
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	31.12	27.33	6.88
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	31.12	27.33	6.88
A-300-600	AIRBUS	CF6-80C2A5	2	61.60	56.15	13.08	2	30.80	28.08	6.54
A-330	AIRBUS	PW4158	2	32.62	57.00	2.75	3	16.31	28.50	1.38
B-747-400	BOEING	PW4056	4	31.55	115.02	2.54	3	7.89	28.76	0.64
B-777-200	BOEING	PW4056	2	15.78	57.51	1.27	3	7.89	28.76	0.64
DC10-30	MCDONNELL DOUG	CF6-50C2	3	148.19	88.75	88.14	3	49.40	29.58	29.38
B-767-200	BOEING	JT9D-7R4D	2	15.93	59.57	2.04	2	7.97	29.79	1.02
B-757-200	BOEING	RB211-535E4	2	22.55	60.11	1.35	2	11.28	30.06	0.68
B-767-300	BOEING	PW4460	2	31.88	62.16	2.62	3	15.94	31.08	1.31
MD11-11	MCDONNELL DOUG	PW4460	3	47.83	93.24	3.93	3	15.94	31.08	1.31
B-747-100	BOEING	JT9D-7A (MOD V)	4	167.66	127.19	79.85	3	41.92	31.80	19.96
L-1011-500	LOCKHEED	RB211-524B4	3	33.20	112.00	6.17	3	11.07	37.33	2.06

EXAMPLE FLEET (ranked by LTO HC+NOx/engine)

AIRCRAFT NAME	AIRCRAFT MANUFACTURER	ENGINE NAME	# ENGINES	EMISSIONS PER LTO			AIRCRAFT CLASS	LTO EMISSIONS PER ENGINE			
				CO	NOx	HC		CO	NOx	HC	HC+NOx
BAE 146-200	BAE	ALF 502R-5	4	24.65	10.51	3.10	1	6.16	2.63	0.78	3.40
F100-100	FOKKER	TAY MK620-15	2	19.58	12.41	3.01	1	9.79	6.21	1.51	7.71
F100-100	FOKKER	TAY MK650	2	30.52	12.70	3.17	1	15.26	6.35	1.59	7.94
B-737-200	BOEING	JT8D-15A	2	13.51	16.09	2.60	1	6.76	8.05	1.30	9.35
DC8-70	MCDONNELL DOUG	CFM56-2B	4	53.65	34.70	2.99	2	13.41	8.68	0.75	9.42
B-727-200	BOEING	JT8D-17A	3	20.93	26.03	3.58	1	6.98	8.68	1.19	9.87
B-737-400	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	13.00	10.36	0.59	10.95
B-737-300	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	13.00	10.36	0.59	10.95
B-737-500	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	13.00	10.36	0.59	10.95
B-737-400	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	14.74	10.30	0.92	11.21
B-737-300	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	14.74	10.30	0.92	11.21
B-727-200	BOEING	JT8D-7B	3	53.88	20.35	15.31	1	17.96	6.78	5.10	11.89
DC9-30	MCDONNELL DOUG	JT8D-7B	2	35.92	13.57	10.21	1	17.96	6.79	5.11	11.89
B-737-200	BOEING	JT8D-9A	2	35.36	14.86	9.95	1	17.68	7.43	4.98	12.41
A-340	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	3	7.52	11.88	0.73	12.60
A-321	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	2	7.52	11.88	0.73	12.60
A-320-100	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	1	7.52	11.88	0.73	12.60
DC9-80	MCDONNELL DOUG	JT8D-209	2	15.33	22.38	4.62	1	7.67	11.19	2.31	13.50
DC9-40	MCDONNELL DOUG	JT8D-11	2	39.61	16.49	10.83	1	19.81	8.25	5.42	13.66
B-727-200	BOEING	JT8D-15	3	60.49	26.38	17.94	1	20.16	8.79	5.98	14.77
B-737-200	BOEING	JT8D-15	2	40.33	17.59	11.96	1	20.17	8.80	5.98	14.78
DC9-80	MCDONNELL DOUG	JT8D-217C	2	14.26	26.39	4.13	1	7.13	13.20	2.07	15.26
DC9-80	MCDONNELL DOUG	JT8D-217A	2	14.26	26.39	4.13	1	7.13	13.20	2.07	15.26
DC9-80	MCDONNELL DOUG	JT8D-217	2	14.26	26.39	4.13	1	7.13	13.20	2.07	15.26
B-727-200	BOEING	JT8D-17	3	52.91	28.33	17.50	1	17.64	9.44	5.83	15.28
B-737-200	BOEING	JT8D-17	2	35.27	18.89	11.67	1	17.64	9.45	5.84	15.28
DC9-50	MCDONNELL DOUG	JT8D-17	2	35.27	18.89	11.67	1	17.64	9.45	5.84	15.28
DC9-80	MCDONNELL DOUG	JT8D-219	2	14.24	26.92	4.19	1	7.12	13.46	2.10	15.56
A-320-200	AIRBUS	IAE V2500	2	7.38	34.02	0.32	1	3.69	17.01	0.16	17.17
DC-9-30	MCDONNELL-DOUG	IAE V2500	2	7.38	34.02	0.32	1	3.69	17.01	0.16	17.17
B-757-200	BOEING	PW2037	2	23.78	35.75	2.34	2	11.89	17.88	1.17	19.05
A-310-300	AIRBUS	PW4152	2	16.52	47.36	1.21	2	8.26	23.68	0.61	24.29
B-757-200	BOEING	PW2040	2	26.75	49.87	2.65	2	13.38	24.94	1.33	26.26
B-767-200	BOEING	CF6-80C2B2	2	65.89	38.78	15.02	2	32.95	19.39	7.51	26.90
A-300B	AIRBUS	CF6-50C2	2	30.29	52.40	3.48	2	15.15	26.20	1.74	27.94
B-767-200	BOEING	CF6-80A	2	32.66	48.79	7.21	2	16.33	24.40	3.61	28.00
B-747-400	BOEING	PW4056	4	31.55	115.02	2.54	3	7.89	28.76	0.64	29.39
B-777-200	BOEING	PW4056	2	15.78	57.51	1.27	3	7.89	28.76	0.64	29.39
B-767-300	BOEING	CF6-80A2	2	32.62	52.37	7.32	3	16.31	26.19	3.66	29.85
B-767-200	BOEING	CF6-80A2	2	32.62	52.37	7.32	2	16.31	26.19	3.66	29.85
A-330	AIRBUS	PW4158	2	32.62	57.00	2.75	3	16.31	28.50	1.38	29.88
B-757-200	BOEING	RB211-535E4	2	22.55	60.11	1.35	2	11.28	30.06	0.68	30.73
B-767-200	BOEING	JT9D-7R4D	2	15.93	59.57	2.04	2	7.97	29.79	1.02	30.81
B-767-300	BOEING	PW4460	2	31.88	62.16	2.62	3	15.94	31.08	1.31	32.39
MD11-11	MCDONNELL DOUG	PW4460	3	47.83	93.24	3.93	3	15.94	31.08	1.31	32.39
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	30.04	27.30	6.43	33.73
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	30.04	27.30	6.43	33.73
B-767-300	BOEING	CF6-80C2B6	2	61.60	54.51	13.08	3	30.80	27.26	6.54	33.80
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	31.12	27.33	6.88	34.21
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	31.12	27.33	6.88	34.21
A-300-600	AIRBUS	CF6-80C2A5	2	61.60	56.15	13.08	2	30.80	28.08	6.54	34.62
B-747-200	BOEING	JT9D-7Q	4	175.89	109.18	40.20	3	43.97	27.30	10.05	37.35
DC10-40	MCDONNELL DOUG	JT9D-59	3	131.92	81.89	30.15	3	43.97	27.30	10.05	37.35
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	34.16	25.60	12.83	38.43
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	34.16	25.60	12.83	38.43
L-1011-500	LOCKHEED	RB211-524B4	3	33.20	112.00	6.17	3	11.07	37.33	2.06	39.39
F-28	FOKKER	SPEY MK555	2	75.04	10.38	75.66	1	37.52	5.19	37.83	43.02
B-747-100	BOEING	JT9D-7A (MOD V)	4	167.66	127.19	79.85	3	41.92	31.80	19.96	51.76
DC10-30	MCDONNELL DOUG	CF6-50C2	3	148.19	88.75	88.14	3	49.40	29.58	29.38	58.96
DC8-60	MCDONNELL DOUG	JT3D-7	4	262.74	25.65	218.35	2	65.69	6.41	54.59	61.00
L-1011-50	LOCKHEED	RB211-22B	3	248.27	65.68	160.60	3	82.76	21.89	53.53	75.43

EXAMPLE FLEET (ranked by HC Dp/Foo)

AIRCRAFT NAME	AIRCRAFT MANUFACTURER	ENGINE NAME	# ENGINES	EMISSIONS PER LTO			AIRCRAFT CLASS	Dp/Foo (Average) (g/kN)			HC+NOx
				CO	NOx	HC		CO	NOx	HC	
B-737-400	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	0.000	0.000	0.000	0.000
B-737-300	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	0.000	0.000	0.000	0.000
A-340	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	3	0.000	0.000	0.000	0.000
A-321	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	2	0.000	0.000	0.000	0.000
A-320-100	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	1	0.000	0.000	0.000	0.000
A-320-200	AIRBUS	IAE V2500	2	7.38	34.02	0.32	1	0.000	0.000	0.000	0.000
DC-9-30	MCDONNELL-DOUG	IAE V2500	2	7.38	34.02	0.32	1	0.000	0.000	0.000	0.000
B-757-200	BOEING	PW2040	2	26.75	49.87	2.65	2	0.000	0.000	0.000	0.000
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	0.000	0.000	0.000	0.000
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	0.000	0.000	0.000	0.000
DC10-30	MCDONNELL DOUG	CF6-50C2	3	148.19	88.75	88.14	3	0.000	0.000	0.000	0.000
DC8-60	MCDONNELL DOUG	JT3D-7	4	262.74	25.65	218.35	2	0.000	0.000	0.000	0.000
B-747-400	BOEING	PW4056	4	31.55	115.02	2.54	3	14.200	51.700	1.200	52.900
B-777-200	BOEING	PW4056	2	15.78	57.51	1.27	3	14.200	51.700	1.200	52.900
A-310-300	AIRBUS	PW4152	2	16.52	47.36	1.21	2	17.000	46.700	1.300	48.000
B-757-200	BOEING	RB211-535E4	2	22.55	60.11	1.35	2	28.600	76.900	1.690	78.590
B-767-200	BOEING	JT9D-7R4D	2	15.93	59.57	2.04	2	15.300	61.900	2.200	64.100
B-767-300	BOEING	PW4460	2	31.88	62.16	2.62	3	27.100	52.700	2.200	54.900
MD11-11	MCDONNELL DOUG	PW4460	3	47.83	93.24	3.93	3	27.100	52.700	2.200	54.900
A-330	AIRBUS	PW4158	2	32.62	57.00	2.75	3	28.700	50.200	2.400	52.600
B-737-400	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	59.170	48.210	2.960	51.170
B-737-300	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	59.170	48.210	2.960	51.170
B-737-500	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	59.170	48.210	2.960	51.170
B-757-200	BOEING	PW2037	2	23.78	35.75	2.34	2	32.000	48.100	3.160	51.260
DC8-70	MCDONNELL DOUG	CFM56-2B	4	53.65	34.70	2.99	2	60.920	44.280	3.480	47.760
L-1011-500	LOCKHEED	RB211-524B4	3	33.20	112.00	6.17	3	22.900	77.300	4.250	81.550
B-727-200	BOEING	JT8D-17A	3	20.93	26.03	3.58	1	43.800	55.100	6.600	61.700
B-737-200	BOEING	JT8D-15A	2	13.51	16.09	2.60	1	46.800	51.400	7.200	58.600
B-767-300	BOEING	CF6-80A2	2	32.62	52.37	7.32	3	34.200	55.500	7.580	63.080
B-767-200	BOEING	CF6-80A2	2	32.62	52.37	7.32	2	34.200	55.500	7.580	63.080
B-767-200	BOEING	CF6-80A	2	32.66	48.79	7.21	2	35.500	53.100	7.840	60.940
DC9-80	MCDONNELL DOUG	JT8D-219	2	14.24	26.92	4.19	1	33.500	63.300	9.900	73.200
DC9-80	MCDONNELL DOUG	JT8D-217C	2	14.26	26.39	4.13	1	34.800	64.600	10.100	74.700
DC9-80	MCDONNELL DOUG	JT8D-217A	2	14.26	26.39	4.13	1	34.800	64.600	10.100	74.700
DC9-80	MCDONNELL DOUG	JT8D-217	2	14.26	26.39	4.13	1	34.800	64.600	10.100	74.700
F100-100	FOKKER	TAY MK620-15	2	19.58	12.41	3.01	1	69.300	45.600	10.700	56.300
F100-100	FOKKER	TAY MK650	2	30.52	12.70	3.17	1	102.900	42.800	10.700	53.500
B-767-300	BOEING	CF6-80C2B6	2	61.60	54.51	13.08	3	52.360	46.260	11.120	57.380
A-300-600	AIRBUS	CF6-80C2A5	2	61.60	56.15	13.08	2	52.350	49.250	11.120	60.370
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	53.040	48.120	11.320	59.440
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	53.040	48.120	11.320	59.440
DC9-80	MCDONNELL DOUG	JT8D-209	2	15.33	22.38	4.62	1	40.600	59.300	12.200	71.500
BAE 146-200	BAE	ALF 502R-5	4	24.65	10.51	3.10	1	97.800	34.800	13.600	48.400
B-767-200	BOEING	CF6-80C2B2	2	65.89	38.78	15.02	2	64.670	38.080	14.750	52.830
B-747-200	BOEING	JT9D-7Q	4	175.89	109.18	40.20	3	87.700	54.400	20.000	74.400
DC10-40	MCDONNELL DOUG	JT9D-59	3	131.92	81.89	30.15	3	87.700	54.400	20.000	74.400
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	88.700	66.400	33.300	99.700
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	88.700	66.400	33.300	99.700
A-300B	AIRBUS	CF6-50C2	2	30.29	52.40	3.48	2	93.700	61.800	33.500	95.300
B-737-200	BOEING	JT8D-9A	2	35.36	14.86	9.95	1	124.300	52.300	35.000	87.300
DC9-40	MCDONNELL DOUG	JT8D-11	2	39.61	16.49	10.83	1	134.700	56.100	36.800	92.900
B-727-200	BOEING	JT8D-7B	3	53.88	20.35	15.31	1	130.900	49.500	37.200	86.700
DC9-30	MCDONNELL DOUG	JT8D-7B	2	35.92	13.57	10.21	1	130.900	49.500	37.200	86.700
B-727-200	BOEING	JT8D-17	3	52.91	28.33	17.50	1	112.500	60.200	37.200	97.400
B-737-200	BOEING	JT8D-17	2	35.27	18.89	11.67	1	112.500	60.200	37.200	97.400
DC9-50	MCDONNELL DOUG	JT8D-17	2	35.27	18.89	11.67	1	112.500	60.200	37.200	97.400
B-727-200	BOEING	JT8D-15	3	60.49	26.38	17.94	1	130.600	57.900	39.300	97.200
B-737-200	BOEING	JT8D-15	2	40.33	17.59	11.96	1	130.600	57.900	39.300	97.200
B-747-100	BOEING	JT9D-7A (MOD V)	4	167.66	127.19	79.85	3	91.400	69.400	43.600	113.000
L-1011-50	LOCKHEED	RB211-22B	3	248.27	65.68	160.60	3	205.300	54.300	132.800	187.100
F-28	FOKKER	SPEY MK555	2	75.04	10.38	75.66	1	388.000	50.750	392.000	442.750

EXAMPLE FLEET (ranked by CO Dp/Foo)

AIRCRAFT NAME	AIRCRAFT MANUFACTURER	ENGINE NAME	# ENGINES	EMISSIONS PER LTO			AIRCRAFT CLASS	Dp/Foo (Average) (g/kN)			
				CO	NOx	HC		CO	NOx	HC	HC+NOx
B-737-400	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	0.000	0.000	0.000	0.000
B-737-300	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	0.000	0.000	0.000	0.000
A-340	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	3	0.000	0.000	0.000	0.000
A-321	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	2	0.000	0.000	0.000	0.000
A-320-100	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	1	0.000	0.000	0.000	0.000
A-320-200	AIRBUS	IAE V2500	2	7.38	34.02	0.32	1	0.000	0.000	0.000	0.000
DC-9-30	MCDONNELL-DOUG	IAE V2500	2	7.38	34.02	0.32	1	0.000	0.000	0.000	0.000
B-757-200	BOEING	PW2040	2	26.75	49.87	2.65	2	0.000	0.000	0.000	0.000
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	0.000	0.000	0.000	0.000
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	0.000	0.000	0.000	0.000
DC10-30	MCDONNELL DOUG	CF6-50C2	3	148.19	88.75	88.14	3	0.000	0.000	0.000	0.000
DC8-60	MCDONNELL DOUG	JT3D-7	4	262.74	25.65	218.35	2	0.000	0.000	0.000	0.000
B-747-400	BOEING	PW4056	4	31.55	115.02	2.54	3	14.200	51.700	1.200	52.900
B-777-200	BOEING	PW4056	2	15.78	57.51	1.27	3	14.200	51.700	1.200	52.900
B-767-200	BOEING	JT9D-7R4D	2	15.93	59.57	2.04	2	15.300	61.900	2.200	64.100
A-310-300	AIRBUS	PW4152	2	16.52	47.36	1.21	2	17.000	46.700	1.300	48.000
L-1011-500	LOCKHEED	RB211-524B4	3	33.20	112.00	6.17	3	22.900	77.300	4.250	81.550
B-767-300	BOEING	PW4460	2	31.88	62.16	2.62	3	27.100	52.700	2.200	54.900
MD11-11	MCDONNELL DOUG	PW4460	3	47.83	93.24	3.93	3	27.100	52.700	2.200	54.900
B-757-200	BOEING	RB211-535E4	2	22.55	60.11	1.35	2	28.600	76.900	1.690	78.590
A-330	AIRBUS	PW4158	2	32.62	57.00	2.75	3	28.700	50.200	2.400	52.600
B-757-200	BOEING	PW2037	2	23.78	35.75	2.34	2	32.000	48.100	3.160	51.260
DC9-80	MCDONNELL DOUG	JT8D-219	2	14.24	26.92	4.19	1	33.500	63.300	9.900	73.200
B-767-300	BOEING	CF6-80A2	2	32.62	52.37	7.32	3	34.200	55.500	7.580	63.080
B-767-200	BOEING	CF6-80A2	2	32.62	52.37	7.32	2	34.200	55.500	7.580	63.080
DC9-80	MCDONNELL DOUG	JT8D-217C	2	14.26	26.39	4.13	1	34.800	64.600	10.100	74.700
DC9-80	MCDONNELL DOUG	JT8D-217A	2	14.26	26.39	4.13	1	34.800	64.600	10.100	74.700
DC9-80	MCDONNELL DOUG	JT8D-217	2	14.26	26.39	4.13	1	34.800	64.600	10.100	74.700
B-767-200	BOEING	CF6-80A	2	32.66	48.79	7.21	2	35.500	53.100	7.840	60.940
DC9-80	MCDONNELL DOUG	JT8D-209	2	15.33	22.38	4.62	1	40.600	59.300	12.200	71.500
B-727-200	BOEING	JT8D-17A	3	20.93	26.03	3.58	1	43.800	55.100	6.600	61.700
B-737-200	BOEING	JT8D-15A	2	13.51	16.09	2.60	1	46.800	51.400	7.200	58.600
A-300-600	AIRBUS	CF6-80C2A5	2	61.60	56.15	13.08	2	52.350	49.250	11.120	60.370
B-767-300	BOEING	CF6-80C2B6	2	61.60	54.51	13.08	3	52.360	46.260	11.120	57.380
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	53.040	48.120	11.320	59.440
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	53.040	48.120	11.320	59.440
B-737-400	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	59.170	48.210	2.960	51.170
B-737-300	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	59.170	48.210	2.960	51.170
B-737-500	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	59.170	48.210	2.960	51.170
DC8-70	MCDONNELL DOUG	CFM56-2B	4	53.65	34.70	2.99	2	60.920	44.280	3.480	47.760
B-767-200	BOEING	CF6-80C2B2	2	65.89	38.78	15.02	2	64.670	38.080	14.750	52.830
F100-100	FOKKER	TAY MK620-15	2	19.58	12.41	3.01	1	69.300	45.600	10.700	56.300
B-747-200	BOEING	JT9D-7Q	4	175.89	109.18	40.20	3	87.700	54.400	20.000	74.400
DC10-40	MCDONNELL DOUG	JT9D-59	3	131.92	81.89	30.15	3	87.700	54.400	20.000	74.400
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	88.700	66.400	33.300	99.700
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	88.700	66.400	33.300	99.700
B-747-100	BOEING	JT9D-7A (MOD V)	4	167.66	127.19	79.85	3	91.400	69.400	43.600	113.000
A-300B	AIRBUS	CF6-50C2	2	30.29	52.40	3.48	2	93.700	61.800	33.500	95.300
BAE 146-200	BAE	ALF 502R-5	4	24.65	10.51	3.10	1	97.800	34.800	13.600	48.400
F100-100	FOKKER	TAY MK650	2	30.52	12.70	3.17	1	102.900	42.800	10.700	53.500
B-727-200	BOEING	JT8D-17	3	52.91	28.33	17.50	1	112.500	60.200	37.200	97.400
B-737-200	BOEING	JT8D-17	2	35.27	18.89	11.67	1	112.500	60.200	37.200	97.400
DC9-50	MCDONNELL DOUG	JT8D-17	2	35.27	18.89	11.67	1	112.500	60.200	37.200	97.400
B-737-200	BOEING	JT8D-9A	2	35.36	14.86	9.95	1	124.300	52.300	35.000	87.300
B-727-200	BOEING	JT8D-15	3	60.49	26.38	17.94	1	130.600	57.900	39.300	97.200
B-737-200	BOEING	JT8D-15	2	40.33	17.59	11.96	1	130.600	57.900	39.300	97.200
B-727-200	BOEING	JT8D-7B	3	53.88	20.35	15.31	1	130.900	49.500	37.200	86.700
DC9-30	MCDONNELL DOUG	JT8D-7B	2	35.92	13.57	10.21	1	130.900	49.500	37.200	86.700
DC9-40	MCDONNELL DOUG	JT8D-11	2	39.61	16.49	10.83	1	134.700	56.100	36.800	92.900
L-1011-50	LOCKHEED	RB211-22B	3	248.27	65.68	160.60	3	205.300	54.300	132.800	187.100
F-28	FOKKER	SPEY MK555	2	75.04	10.38	75.66	1	388.000	50.750	392.000	442.750

EXAMPLE FLEET (ranked by NOx Dp/Foo)

AIRCRAFT NAME	AIRCRAFT MANUFACTURER	ENGINE NAME	# ENGINES	EMISSIONS PER LTO			AIRCRAFT CLASS	Dp/Foo (Average) (g/kN)			
				CO	NOx	HC		CO	NOx	HC	HC+NOx
B-737-400	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	0.000	0.000	0.000	0.000
B-737-300	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	0.000	0.000	0.000	0.000
A-340	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	3	0.000	0.000	0.000	0.000
A-321	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	2	0.000	0.000	0.000	0.000
A-320-100	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	1	0.000	0.000	0.000	0.000
A-320-200	AIRBUS	IAE V2500	2	7.38	34.02	0.32	1	0.000	0.000	0.000	0.000
DC-9-30	MCDONNELL DOUG	IAE V2500	2	7.38	34.02	0.32	1	0.000	0.000	0.000	0.000
B-757-200	BOEING	PW2040	2	26.75	49.87	2.65	2	0.000	0.000	0.000	0.000
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	0.000	0.000	0.000	0.000
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	0.000	0.000	0.000	0.000
DC10-30	MCDONNELL DOUG	CF6-50C2	3	148.19	88.75	88.14	3	0.000	0.000	0.000	0.000
DC8-60	MCDONNELL DOUG	JT3D-7	4	262.74	25.65	218.35	2	0.000	0.000	0.000	0.000
BAE 146-200	BAE	ALF 502R-5	4	24.65	10.51	3.10	1	97.800	34.800	13.600	48.400
B-767-200	BOEING	CF6-80C2B2	2	65.89	38.78	15.02	2	64.670	38.080	14.750	52.830
F100-100	FOKKER	TAY MK650	2	30.52	12.70	3.17	1	102.900	42.800	10.700	53.500
DC8-70	MCDONNELL DOUG	CFM56-2B	4	53.65	34.70	2.99	2	60.920	44.280	3.480	47.760
F100-100	FOKKER	TAY MK620-15	2	19.58	12.41	3.01	1	69.300	45.600	10.700	56.300
B-767-300	BOEING	CF6-80C2B6	2	61.60	54.51	13.08	3	52.360	46.260	11.120	57.380
A-310-300	AIRBUS	PW4152	2	16.52	47.36	1.21	2	17.000	46.700	1.300	48.000
B-757-200	BOEING	PW2037	2	23.78	35.75	2.34	2	32.000	48.100	3.160	51.260
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	53.040	48.120	11.320	59.440
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	53.040	48.120	11.320	59.440
B-737-400	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	59.170	48.210	2.960	51.170
B-737-300	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	59.170	48.210	2.960	51.170
B-737-500	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	59.170	48.210	2.960	51.170
A-300-600	AIRBUS	CF6-80C2A5	2	61.60	56.15	13.08	2	52.350	49.250	11.120	60.370
B-727-200	BOEING	JT8D-7B	3	53.88	20.35	15.31	1	130.900	49.500	37.200	86.700
DC9-30	MCDONNELL DOUG	JT8D-7B	2	35.92	13.57	10.21	1	130.900	49.500	37.200	86.700
A-330	AIRBUS	PW4158	2	32.62	57.00	2.75	3	28.700	50.200	2.400	52.600
F-28	FOKKER	SPEY MK555	2	75.04	10.38	75.66	1	388.000	50.750	392.000	442.750
B-737-200	BOEING	JT8D-15A	2	13.51	16.09	2.60	1	46.800	51.400	7.200	58.600
B-747-400	BOEING	PW4056	4	31.55	115.02	2.54	3	14.200	51.700	1.200	52.900
B-777-200	BOEING	PW4056	2	15.78	57.51	1.27	3	14.200	51.700	1.200	52.900
B-737-200	BOEING	JT8D-9A	2	35.36	14.86	9.95	1	124.300	52.300	35.000	87.300
B-767-300	BOEING	PW4460	2	31.88	62.16	2.62	3	27.100	52.700	2.200	54.900
MD11-11	MCDONNELL DOUG	PW4460	3	47.83	93.24	3.93	3	27.100	52.700	2.200	54.900
B-767-200	BOEING	CF6-80A	2	32.66	48.79	7.21	2	35.500	53.100	7.840	60.940
L-1011-50	LOCKHEED	RB211-22B	3	248.27	65.68	160.60	3	205.300	54.300	132.800	187.100
B-747-200	BOEING	JT9D-7Q	4	175.89	109.18	40.20	3	87.700	54.400	20.000	74.400
DC10-40	MCDONNELL DOUG	JT9D-59	3	131.92	81.89	30.15	3	87.700	54.400	20.000	74.400
B-727-200	BOEING	JT8D-17A	3	20.93	26.03	3.58	1	43.800	55.100	6.600	61.700
B-767-300	BOEING	CF6-80A2	2	32.62	52.37	7.32	3	34.200	55.500	7.580	63.080
B-767-200	BOEING	CF6-80A2	2	32.62	52.37	7.32	2	34.200	55.500	7.580	63.080
DC9-40	MCDONNELL DOUG	JT8D-11	2	39.61	16.49	10.83	1	134.700	56.100	36.800	92.900
B-727-200	BOEING	JT8D-15	3	60.49	26.38	17.94	1	130.600	57.900	39.300	97.200
B-737-200	BOEING	JT8D-15	2	40.33	17.59	11.96	1	130.600	57.900	39.300	97.200
DC9-80	MCDONNELL DOUG	JT8D-209	2	15.33	22.38	4.62	1	40.600	59.300	12.200	71.500
B-727-200	BOEING	JT8D-17	3	52.91	28.33	17.50	1	112.500	60.200	37.200	97.400
B-737-200	BOEING	JT8D-17	2	35.27	18.89	11.67	1	112.500	60.200	37.200	97.400
DC9-50	MCDONNELL DOUG	JT8D-17	2	35.27	18.89	11.67	1	112.500	60.200	37.200	97.400
A-300B	AIRBUS	CF6-50C2	2	30.29	52.40	3.48	2	93.700	61.800	33.500	95.300
B-767-200	BOEING	JT9D-7R4D	2	15.93	59.57	2.04	2	15.300	61.900	2.200	64.100
DC9-80	MCDONNELL DOUG	JT8D-219	2	14.24	26.92	4.19	1	33.500	63.300	9.900	73.200
DC9-80	MCDONNELL DOUG	JT8D-217C	2	14.26	26.39	4.13	1	34.800	64.600	10.100	74.700
DC9-80	MCDONNELL DOUG	JT8D-217A	2	14.26	26.39	4.13	1	34.800	64.600	10.100	74.700
DC9-80	MCDONNELL DOUG	JT8D-217	2	14.26	26.39	4.13	1	34.800	64.600	10.100	74.700
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	88.700	66.400	33.300	99.700
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	88.700	66.400	33.300	99.700
B-747-100	BOEING	JT9D-7A (MOD V)	4	167.66	127.19	79.85	3	91.400	69.400	43.600	113.000
B-757-200	BOEING	RB211-535E4	2	22.55	60.11	1.35	2	28.600	76.900	1.690	78.590
L-1011-500	LOCKHEED	RB211-524B4	3	33.20	112.00	6.17	3	22.900	77.300	4.250	81.550

EXAMPLE FLEET (ranked by HC+NOx Dp/Foo)

AIRCRAFT NAME	AIRCRAFT MANUFACTURER	ENGINE NAME	# ENGINES	EMISSIONS PER LTO			AIRCRAFT CLASS	Dp/Foo (Average) (g/kN)			HC+NOx
				CO	NOx	HC		CO	NOx	HC	
B-737-400	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	0.000	0.000	0.000	0.000
B-737-300	BOEING	CFM56-3C	2	29.48	20.59	1.83	1	0.000	0.000	0.000	0.000
A-340	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	3	0.000	0.000	0.000	0.000
A-321	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	2	0.000	0.000	0.000	0.000
A-320-100	AIRBUS	CFM56-5A1	2	15.03	23.75	1.45	1	0.000	0.000	0.000	0.000
A-320-200	AIRBUS	IAE V2500	2	7.38	34.02	0.32	1	0.000	0.000	0.000	0.000
DC-9-30	MCDONNELL-DOUG	IAE V2500	2	7.38	34.02	0.32	1	0.000	0.000	0.000	0.000
B-757-200	BOEING	PW2040	2	26.75	49.87	2.65	2	0.000	0.000	0.000	0.000
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	0.000	0.000	0.000	0.000
MD11-11	MCDONNELL DOUG	CF6-80C2D1F	3	93.35	81.99	20.65	3	0.000	0.000	0.000	0.000
DC10-30	MCDONNELL DOUG	CF6-50C2	3	148.19	88.75	88.14	3	0.000	0.000	0.000	0.000
DC8-60	MCDONNELL DOUG	JT3D-7	4	262.74	25.65	218.35	2	0.000	0.000	0.000	0.000
DC8-70	MCDONNELL DOUG	CFM56-2B	4	53.65	34.70	2.99	2	60.920	44.280	3.480	47.760
A-310-300	AIRBUS	PW4152	2	16.52	47.36	1.21	2	17.000	46.700	1.300	48.000
BAE 146-200	BAE	ALF 502R-5	4	24.65	10.51	3.10	1	97.800	34.800	13.600	48.400
B-737-400	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	59.170	48.210	2.960	51.170
B-737-300	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	59.170	48.210	2.960	51.170
B-737-500	BOEING	CFM56-3B	2	26.00	20.71	1.18	1	59.170	48.210	2.960	51.170
B-757-200	BOEING	PW2037	2	23.78	35.75	2.34	2	32.000	48.100	3.160	51.260
A-330	AIRBUS	PW4158	2	32.62	57.00	2.75	3	28.700	50.200	2.400	52.600
B-767-200	BOEING	CF6-80C2B2	2	65.89	38.78	15.02	2	64.670	38.080	14.750	52.830
B-747-400	BOEING	PW4056	4	31.55	115.02	2.54	3	14.200	51.700	1.200	52.900
B-777-200	BOEING	PW4056	2	15.78	57.51	1.27	3	14.200	51.700	1.200	52.900
F100-100	FOKKER	TAY MK650	2	30.52	12.70	3.17	1	102.900	42.800	10.700	53.500
B-767-300	BOEING	PW4460	2	31.88	62.16	2.62	3	27.100	52.700	2.200	54.900
MD11-11	MCDONNELL DOUG	PW4460	3	47.83	93.24	3.93	3	27.100	52.700	2.200	54.900
F100-100	FOKKER	TAY MK620-15	2	19.58	12.41	3.01	1	69.300	45.600	10.700	56.300
B-767-300	BOEING	CF6-80C2B6	2	61.60	54.51	13.08	3	52.360	46.260	11.120	57.380
B-737-200	BOEING	JT8D-15A	2	13.51	16.09	2.60	1	46.800	51.400	7.200	58.600
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	53.040	48.120	11.320	59.440
A-330	AIRBUS	CF6-80C2A1	2	60.08	54.60	12.85	3	53.040	48.120	11.320	59.440
A-300-600	AIRBUS	CF6-80C2A5	2	61.60	56.15	13.08	2	52.350	49.250	11.120	60.370
B-767-200	BOEING	CF6-80A	2	32.66	48.79	7.21	2	35.500	53.100	7.840	60.940
B-727-200	BOEING	JT8D-17A	3	20.93	26.03	3.58	1	43.800	55.100	6.600	61.700
B-767-300	BOEING	CF6-80A2	2	32.62	52.37	7.32	3	34.200	55.500	7.580	63.080
B-767-200	BOEING	CF6-80A2	2	32.62	52.37	7.32	2	34.200	55.500	7.580	63.080
B-767-200	BOEING	JT9D-7R4D	2	15.93	59.57	2.04	2	15.300	61.900	2.200	64.100
DC9-80	MCDONNELL DOUG	JT8D-209	2	15.33	22.38	4.62	1	40.600	59.300	12.200	71.500
DC9-80	MCDONNELL DOUG	JT8D-219	2	14.24	26.92	4.19	1	33.500	63.300	9.900	73.200
B-747-200	BOEING	JT9D-7Q	4	175.89	109.18	40.20	3	87.700	54.400	20.000	74.400
DC10-40	MCDONNELL DOUG	JT9D-59	3	131.92	81.89	30.15	3	87.700	54.400	20.000	74.400
DC9-80	MCDONNELL DOUG	JT8D-217C	2	14.26	26.39	4.13	1	34.800	64.600	10.100	74.700
DC9-80	MCDONNELL DOUG	JT8D-217A	2	14.26	26.39	4.13	1	34.800	64.600	10.100	74.700
DC9-80	MCDONNELL DOUG	JT8D-217	2	14.26	26.39	4.13	1	34.800	64.600	10.100	74.700
B-757-200	BOEING	RB211-535E4	2	22.55	60.11	1.35	2	28.600	76.900	1.690	78.590
L-1011-500	LOCKHEED	RB211-524B4	3	33.20	112.00	6.17	3	22.900	77.300	4.250	81.550
B-727-200	BOEING	JT8D-7B	3	53.88	20.35	15.31	1	130.900	49.500	37.200	86.700
DC9-30	MCDONNELL DOUG	JT8D-7B	2	35.92	13.57	10.21	1	130.900	49.500	37.200	86.700
B-737-200	BOEING	JT8D-9A	2	35.36	14.86	9.95	1	124.300	52.300	35.000	87.300
DC9-40	MCDONNELL DOUG	JT8D-11	2	39.61	16.49	10.83	1	134.700	56.100	36.800	92.900
A-300B	AIRBUS	CF6-50C2	2	30.29	52.40	3.48	2	93.700	61.800	33.500	95.300
B-727-200	BOEING	JT8D-15	3	60.49	26.38	17.94	1	130.600	57.900	39.300	97.200
B-737-200	BOEING	JT8D-15	2	40.33	17.59	11.96	1	130.600	57.900	39.300	97.200
B-727-200	BOEING	JT8D-17	3	52.91	28.33	17.50	1	112.500	60.200	37.200	97.400
B-737-200	BOEING	JT8D-17	2	35.27	18.89	11.67	1	112.500	60.200	37.200	97.400
DC9-50	MCDONNELL DOUG	JT8D-17	2	35.27	18.89	11.67	1	112.500	60.200	37.200	97.400
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	88.700	66.400	33.300	99.700
DC10-10	MCDONNELL DOUG	CF6-6D	3	102.49	76.80	38.50	3	88.700	66.400	33.300	99.700
B-747-100	BOEING	JT9D-7A (MOD V)	4	167.66	127.19	79.85	3	91.400	69.400	43.600	113.000
L-1011-50	LOCKHEED	RB211-22B	3	248.27	65.68	160.60	3	205.300	54.300	132.800	187.100
F-28	FOKKER	SPEY MK555	2	75.04	10.38	75.66	1	388.000	50.750	392.000	442.750