

APPENDIX A: Processed Regional Inventories

The following inventories show all of the regions currently defined within the post-processing scripts used in SAGE. Flight results (fuel burn and emissions) are attributed to these regions based on the departure and arrival airport locations as discussed in Section 3.1. The modal categories are provided below:

Ground: Ground-based movements including taxi times and delays

<=3000: Airborne movements at or below 3000 ft above AFE

>3000: Movements above 3000 ft

Total: All movements

Based on these definitions, LTO and cruise results are derived as:

LTO = “Ground” + “<=3000”

Cruise = “>3000”

Table A-1. Regional Fuel Burn and Emissions Inventory for 2000

Region	Mode	Distance (nm)	No. of Flights	Fuel Burn (Tg)	CO (Tg)	HC (Tg)	NOx (Tg)	CO ₂ (Tg)	H ₂ O (Tg)	SOx (Tg)
Africa Domestic	Ground	2.05E+06	374057	4.09E-02	5.10E-04	9.74E-05	4.96E-04	1.29E-01	5.06E-02	3.27E-05
	<=3000	6.81E+06	374057	8.49E-02	3.91E-04	6.79E-05	1.33E-03	2.68E-01	1.05E-01	6.79E-05
	>3000	1.34E+08	374057	9.93E-01	3.38E-03	4.91E-04	1.22E-02	3.13E+00	1.23E+00	7.94E-04
	Total	1.42E+08	374057	1.12E+00	4.29E-03	6.57E-04	1.40E-02	3.53E+00	1.38E+00	8.95E-04
Africa International	Ground	4.65E+05	76050	2.00E-02	2.25E-04	5.20E-05	3.48E-04	6.30E-02	2.47E-02	1.60E-05
	<=3000	1.63E+06	76050	5.33E-02	1.87E-04	3.60E-05	1.16E-03	1.68E-01	6.60E-02	4.27E-05
	>3000	1.60E+08	76050	2.34E+00	4.57E-03	7.16E-04	3.38E-02	7.39E+00	2.90E+00	1.87E-03
	Total	1.62E+08	76050	2.42E+00	4.99E-03	8.04E-04	3.53E-02	7.62E+00	2.99E+00	1.93E-03
Asia Domestic	Ground	1.60E+07	2696586	5.26E-01	6.00E-03	9.07E-04	8.37E-03	1.66E+00	6.51E-01	4.21E-04
	<=3000	5.20E+07	2696586	1.23E+00	4.16E-03	4.79E-04	2.54E-02	3.89E+00	1.52E+00	9.85E-04
	>3000	1.34E+09	2696586	1.50E+01	3.43E-02	4.10E-03	2.29E-01	4.74E+01	1.86E+01	1.20E-02
	Total	1.40E+09	2696586	1.68E+01	4.45E-02	5.49E-03	2.63E-01	5.29E+01	2.07E+01	1.34E-02
Asia International	Ground	1.51E+06	218761	8.55E-02	1.03E-03	2.50E-04	1.64E-03	2.70E-01	1.06E-01	6.84E-05
	<=3000	4.94E+06	218761	2.57E-01	7.65E-04	1.31E-04	5.99E-03	8.12E-01	3.18E-01	2.06E-04
	>3000	8.04E+08	218761	1.56E+01	2.17E-02	3.47E-03	2.35E-01	4.91E+01	1.93E+01	1.25E-02
	Total	8.11E+08	218761	1.59E+01	2.35E-02	3.85E-03	2.43E-01	5.02E+01	1.97E+01	1.27E-02
Australia and Oceania Domestic	Ground	4.74E+06	839486	7.67E-02	9.37E-04	1.53E-04	1.02E-03	2.42E-01	9.49E-02	6.14E-05
	<=3000	1.42E+07	839486	1.63E-01	6.11E-04	8.60E-05	2.86E-03	5.13E-01	2.01E-01	1.30E-04
	>3000	3.16E+08	839486	2.15E+00	4.77E-03	8.80E-04	2.98E-02	6.80E+00	2.66E+00	1.72E-03
	Total	3.35E+08	839486	2.39E+00	6.32E-03	1.12E-03	3.37E-02	7.55E+00	2.96E+00	1.91E-03
Australia and Oceania International	Ground	3.70E+05	55415	1.97E-02	2.03E-04	4.43E-05	3.92E-04	6.22E-02	2.44E-02	1.58E-05
	<=3000	1.21E+06	55415	5.56E-02	1.51E-04	2.49E-05	1.34E-03	1.75E-01	6.88E-02	4.45E-05
	>3000	1.64E+08	55415	2.78E+00	3.52E-03	7.66E-04	4.38E-02	8.77E+00	3.44E+00	2.22E-03
	Total	1.65E+08	55415	2.86E+00	3.87E-03	8.35E-04	4.55E-02	9.01E+00	3.53E+00	2.28E-03
Eastern Europe Domestic	Ground	2.17E+06	364693	5.23E-02	1.24E-03	4.32E-04	4.23E-04	1.65E-01	6.47E-02	4.18E-05
	<=3000	6.92E+06	364693	1.19E-01	1.23E-03	3.25E-04	1.41E-03	3.75E-01	1.47E-01	9.51E-05
	>3000	1.86E+08	364693	1.71E+00	1.82E-02	2.89E-03	1.47E-02	5.40E+00	2.12E+00	1.37E-03
	Total	1.95E+08	364693	1.88E+00	2.07E-02	3.64E-03	1.65E-02	5.94E+00	2.33E+00	1.51E-03
Eastern Europe International	Ground	1.68E+06	269785	4.39E-02	6.70E-04	1.26E-04	4.77E-04	1.39E-01	5.43E-02	3.51E-05
	<=3000	5.35E+06	269785	9.49E-02	5.43E-04	9.17E-05	1.43E-03	2.99E-01	1.17E-01	7.59E-05
	>3000	2.38E+08	269785	1.92E+00	9.79E-03	1.13E-03	2.17E-02	6.05E+00	2.37E+00	1.53E-03

	Total	2.45E+08	269785	2.06E+00	1.10E-02	1.34E-03	2.36E-02	6.49E+00	2.54E+00	1.64E-03
Middle East	Ground	2.88E+06	513972	9.43E-02	1.18E-03	2.58E-04	1.54E-03	2.98E-01	1.17E-01	7.55E-05
Domestic	<=3000	1.00E+07	513972	2.16E-01	1.05E-03	1.98E-04	4.47E-03	6.82E-01	2.67E-01	1.73E-04
	>3000	2.12E+08	513972	2.15E+00	1.07E-02	1.76E-03	3.21E-02	6.78E+00	2.66E+00	1.72E-03
	Total	2.25E+08	513972	2.46E+00	1.29E-02	2.22E-03	3.81E-02	7.76E+00	3.04E+00	1.97E-03
Middle East	Ground	1.31E+06	216075	5.99E-02	8.13E-04	2.18E-04	1.07E-03	1.89E-01	7.41E-02	4.79E-05
International	<=3000	4.52E+06	216075	1.55E-01	6.76E-04	1.43E-04	3.38E-03	4.88E-01	1.91E-01	1.24E-04
	>3000	3.83E+08	216075	4.86E+00	1.67E-02	2.31E-03	6.85E-02	1.53E+01	6.02E+00	3.89E-03
	Total	3.89E+08	216075	5.08E+00	1.82E-02	2.67E-03	7.30E-02	1.60E+01	6.28E+00	4.06E-03
North America and Caribbean	Ground	1.28E+08	16483526	2.10E+00	3.52E-02	5.82E-03	1.88E-02	6.63E+00	2.60E+00	1.68E-03
Domestic	<=3000	3.03E+08	16483526	3.72E+00	1.70E-02	2.84E-03	5.63E-02	1.18E+01	4.61E+00	2.98E-03
	>3000	7.93E+09	16483526	5.71E+01	1.58E-01	2.22E-02	7.11E-01	1.80E+02	7.06E+01	4.57E-02
	Total	8.36E+09	16483526	6.29E+01	2.10E-01	3.08E-02	7.86E-01	1.99E+02	7.78E+01	5.03E-02
North America and Caribbean	Ground	3.31E+06	396352	1.57E-01	2.02E-03	4.35E-04	2.64E-03	4.94E-01	1.94E-01	1.25E-04
International	<=3000	8.74E+06	396352	3.77E-01	1.23E-03	2.11E-04	8.81E-03	1.19E+00	4.66E-01	3.01E-04
	>3000	1.38E+09	396352	2.21E+01	5.23E-02	6.88E-03	3.29E-01	6.98E+01	2.74E+01	1.77E-02
	Total	1.40E+09	396352	2.27E+01	5.55E-02	7.53E-03	3.41E-01	7.15E+01	2.80E+01	1.81E-02
South America	Ground	6.48E+06	1140817	1.43E-01	1.76E-03	2.32E-04	1.43E-03	4.50E-01	1.76E-01	1.14E-04
Domestic	<=3000	2.21E+07	1140817	2.91E-01	1.21E-03	1.65E-04	4.14E-03	9.18E-01	3.60E-01	2.33E-04
	>3000	4.19E+08	1140817	2.84E+00	7.88E-03	1.18E-03	3.23E-02	8.94E+00	3.51E+00	2.27E-03
	Total	4.48E+08	1140817	3.27E+00	1.08E-02	1.58E-03	3.79E-02	1.03E+01	4.04E+00	2.61E-03
South America	Ground	7.21E+05	103595	2.91E-02	3.43E-04	9.17E-05	4.55E-04	9.18E-02	3.60E-02	2.33E-05
International	<=3000	2.21E+06	103595	6.68E-02	2.58E-04	6.19E-05	1.38E-03	2.11E-01	8.26E-02	5.34E-05
	>3000	2.50E+08	103595	3.21E+00	6.32E-03	8.93E-04	4.47E-02	1.01E+01	3.97E+00	2.57E-03
	Total	2.53E+08	103595	3.31E+00	6.93E-03	1.05E-03	4.66E-02	1.04E+01	4.09E+00	2.64E-03
Western Europe and North Atlantic	Ground	3.55E+07	5313753	6.16E-01	8.45E-03	8.07E-04	5.92E-03	1.94E+00	7.62E-01	4.93E-04
Domestic	<=3000	9.90E+07	5313753	1.31E+00	5.03E-03	4.39E-04	1.92E-02	4.12E+00	1.62E+00	1.05E-03
	>3000	1.87E+09	5313753	1.17E+01	3.62E-02	3.10E-03	1.42E-01	3.69E+01	1.45E+01	9.36E-03
	Total	2.00E+09	5313753	1.36E+01	4.97E-02	4.35E-03	1.67E-01	4.30E+01	1.69E+01	1.09E-02
Western Europe and North Atlantic	Ground	4.73E+06	643365	1.89E-01	2.43E-03	4.84E-04	3.17E-03	5.96E-01	2.34E-01	1.51E-04
International	<=3000	1.35E+07	643365	4.57E-01	1.57E-03	2.46E-04	1.05E-02	1.44E+00	5.66E-01	3.66E-04
	>3000	1.49E+09	643365	2.20E+01	5.42E-02	6.97E-03	3.28E-01	6.93E+01	2.72E+01	1.76E-02
	Total	1.51E+09	643365	2.26E+01	5.81E-02	7.70E-03	3.42E-01	7.13E+01	2.80E+01	1.81E-02
Global Total	Ground	2.12E+08	29706287	4.25E+00	6.30E-02	1.04E-02	4.82E-02	1.34E+01	5.26E+00	3.40E-03
	<=3000	5.56E+08	29706287	8.65E+00	3.60E-02	5.55E-03	1.49E-01	2.73E+01	1.07E+01	6.92E-03
	>3000	1.73E+10	29706287	1.68E+02	4.42E-01	5.97E-02	2.31E+00	5.31E+02	2.08E+02	1.35E-01
	Total	1.80E+10	29706287	1.81E+02	5.41E-01	7.57E-02	2.51E+00	5.72E+02	2.24E+02	1.45E-01

Table A-2. Regional Fuel Burn and Emissions Inventory for 2001

Region	Mode	Distance (nm)	No. of Flights	Fuel Burn (Tg)	CO (Tg)	HC (Tg)	NOx (Tg)	CO ₂ (Tg)	H ₂ O (Tg)	SOx (Tg)
Africa	Ground	2.05E+06	410447	4.03E-02	4.32E-04	8.52E-05	4.74E-04	1.27E-01	4.99E-02	3.23E-05
Domestic	<=3000	7.45E+06	410447	8.76E-02	3.35E-04	6.36E-05	1.35E-03	2.76E-01	1.08E-01	7.01E-05
	>3000	1.48E+08	410447	1.02E+00	2.44E-03	4.68E-04	1.24E-02	3.23E+00	1.26E+00	8.18E-04
	Total	1.57E+08	410447	1.15E+00	3.20E-03	6.17E-04	1.42E-02	3.63E+00	1.42E+00	9.20E-04
Africa	Ground	4.25E+05	76660	1.86E-02	1.89E-04	4.03E-05	3.39E-04	5.88E-02	2.31E-02	1.49E-05
International	<=3000	1.63E+06	76660	5.29E-02	1.65E-04	2.83E-05	1.16E-03	1.67E-01	6.54E-02	4.23E-05
	>3000	1.58E+08	76660	2.31E+00	3.77E-03	5.73E-04	3.35E-02	7.28E+00	2.85E+00	1.85E-03
	Total	1.60E+08	76660	2.38E+00	4.13E-03	6.42E-04	3.50E-02	7.50E+00	2.94E+00	1.90E-03
Asia	Ground	1.52E+07	2829781	5.23E-01	5.70E-03	9.08E-04	8.59E-03	1.65E+00	6.47E-01	4.18E-04
Domestic	<=3000	5.45E+07	2829781	1.29E+00	3.96E-03	4.65E-04	2.64E-02	4.07E+00	1.59E+00	1.03E-03
	>3000	1.43E+09	2829781	1.59E+01	3.19E-02	4.11E-03	2.42E-01	5.02E+01	1.97E+01	1.27E-02
	Total	1.50E+09	2829781	1.77E+01	4.16E-02	5.49E-03	2.77E-01	5.59E+01	2.19E+01	1.42E-02
Asia	Ground	1.30E+06	203602	7.79E-02	9.25E-04	2.29E-04	1.57E-03	2.46E-01	9.64E-02	6.23E-05
International	<=3000	4.59E+06	203602	2.41E-01	7.20E-04	1.20E-04	5.76E-03	7.61E-01	2.98E-01	1.93E-04
	>3000	7.74E+08	203602	1.48E+01	2.09E-02	3.03E-03	2.24E-01	4.68E+01	1.84E+01	1.19E-02
	Total	7.80E+08	203602	1.52E+01	2.25E-02	3.38E-03	2.31E-01	4.78E+01	1.88E+01	1.21E-02

Australia and Oceania	Ground	4.32E+06	818098	7.65E-02	9.26E-04	1.32E-04	9.75E-04	2.41E-01	9.47E-02	6.12E-05
Domestic	<=3000	1.39E+07	818098	1.61E-01	6.22E-04	7.36E-05	2.69E-03	5.08E-01	1.99E-01	1.29E-04
	>3000	3.23E+08	818098	2.21E+00	5.03E-03	6.91E-04	2.91E-02	6.96E+00	2.73E+00	1.76E-03
	Total	3.41E+08	818098	2.44E+00	6.57E-03	8.96E-04	3.28E-02	7.71E+00	3.02E+00	1.95E-03
Australia and Oceania	Ground	2.77E+05	44595	1.62E-02	1.54E-04	3.14E-05	3.30E-04	5.12E-02	2.01E-02	1.30E-05
International	<=3000	9.79E+05	44595	4.69E-02	1.22E-04	1.78E-05	1.15E-03	1.48E-01	5.80E-02	3.75E-05
	>3000	1.49E+08	44595	2.56E+00	3.55E-03	6.84E-04	4.06E-02	8.06E+00	3.16E+00	2.04E-03
	Total	1.50E+08	44595	2.62E+00	3.82E-03	7.33E-04	4.21E-02	8.26E+00	3.24E+00	2.10E-03
Eastern Europe	Ground	2.18E+06	400823	5.33E-02	1.20E-03	4.32E-04	4.32E-04	1.68E-01	6.59E-02	4.26E-05
Domestic	<=3000	7.61E+06	400823	1.27E-01	1.30E-03	3.56E-04	1.47E-03	4.02E-01	1.58E-01	1.02E-04
	>3000	2.04E+08	400823	1.85E+00	1.94E-02	3.14E-03	1.56E-02	5.84E+00	2.29E+00	1.48E-03
	Total	2.13E+08	400823	2.03E+00	2.19E-02	3.93E-03	1.75E-02	6.41E+00	2.51E+00	1.63E-03
Eastern Europe	Ground	1.60E+06	279207	4.22E-02	5.98E-04	1.11E-04	4.73E-04	1.33E-01	5.21E-02	3.37E-05
International	<=3000	5.53E+06	279207	9.54E-02	5.27E-04	9.06E-05	1.43E-03	3.01E-01	1.18E-01	7.63E-05
	>3000	2.40E+08	279207	1.87E+00	9.15E-03	1.10E-03	2.11E-02	5.91E+00	2.32E+00	1.50E-03
	Total	2.47E+08	279207	2.01E+00	1.03E-02	1.30E-03	2.30E-02	6.35E+00	2.49E+00	1.61E-03
Middle East	Ground	2.53E+06	496829	8.81E-02	1.03E-03	2.10E-04	1.48E-03	2.78E-01	1.09E-01	7.05E-05
Domestic	<=3000	9.68E+06	496829	2.13E-01	9.63E-04	1.73E-04	4.41E-03	6.71E-01	2.63E-01	1.70E-04
	>3000	2.04E+08	496829	2.09E+00	9.39E-03	1.57E-03	3.20E-02	6.61E+00	2.59E+00	1.68E-03
	Total	2.16E+08	496829	2.39E+00	1.14E-02	1.95E-03	3.79E-02	7.56E+00	2.96E+00	1.92E-03
Middle East	Ground	1.16E+06	211215	5.66E-02	6.95E-04	1.84E-04	1.07E-03	1.78E-01	7.00E-02	4.52E-05
International	<=3000	4.42E+06	211215	1.55E-01	5.94E-04	1.25E-04	3.48E-03	4.89E-01	1.92E-01	1.24E-04
	>3000	3.73E+08	211215	4.77E+00	1.28E-02	2.03E-03	6.86E-02	1.50E+01	5.90E+00	3.81E-03
	Total	3.78E+08	211215	4.98E+00	1.41E-02	2.34E-03	7.32E-02	1.57E+01	6.16E+00	3.98E-03
North America and Caribbean	Ground	1.16E+08	14772564	1.99E+00	3.18E-02	4.71E-03	1.83E-02	6.29E+00	2.46E+00	1.59E-03
Domestic	<=3000	2.76E+08	14772564	3.51E+00	1.49E-02	2.30E-03	5.37E-02	1.11E+01	4.34E+00	2.81E-03
	>3000	7.47E+09	14772564	5.19E+01	1.37E-01	1.78E-02	6.44E-01	1.64E+02	6.42E+01	4.15E-02
	Total	7.86E+09	14772564	5.74E+01	1.84E-01	2.48E-02	7.16E-01	1.81E+02	7.10E+01	4.59E-02
North America and Caribbean	Ground	2.72E+06	315895	1.29E-01	1.78E-03	4.19E-04	2.18E-03	4.06E-01	1.59E-01	1.03E-04
International	<=3000	6.92E+06	315895	3.00E-01	9.39E-04	1.58E-04	7.16E-03	9.46E-01	3.71E-01	2.40E-04
	>3000	1.13E+09	315895	1.78E+01	3.19E-02	3.99E-03	2.64E-01	5.62E+01	2.20E+01	1.42E-02
	Total	1.14E+09	315895	1.82E+01	3.46E-02	4.56E-03	2.73E-01	5.75E+01	2.26E+01	1.46E-02
South America	Ground	6.09E+06	1180427	1.41E-01	1.71E-03	2.20E-04	1.49E-03	4.46E-01	1.75E-01	1.13E-04
Domestic	<=3000	2.30E+07	1180427	3.07E-01	1.32E-03	1.65E-04	4.36E-03	9.68E-01	3.80E-01	2.45E-04
	>3000	4.40E+08	1180427	2.97E+00	8.28E-03	1.17E-03	3.35E-02	9.36E+00	3.67E+00	2.37E-03
	Total	4.69E+08	1180427	3.41E+00	1.13E-02	1.55E-03	3.93E-02	1.08E+01	4.22E+00	2.73E-03
South America	Ground	5.66E+05	87767	2.39E-02	2.50E-04	5.46E-05	3.96E-04	7.53E-02	2.95E-02	1.91E-05
International	<=3000	1.86E+06	87767	5.55E-02	1.86E-04	3.75E-05	1.22E-03	1.75E-01	6.86E-02	4.44E-05
	>3000	2.27E+08	87767	2.90E+00	4.54E-03	6.01E-04	4.16E-02	9.16E+00	3.59E+00	2.32E-03
	Total	2.29E+08	87767	2.98E+00	4.97E-03	6.93E-04	4.32E-02	9.41E+00	3.69E+00	2.39E-03
Western Europe and North Atlantic	Ground	2.96E+07	4902848	5.33E-01	7.00E-03	6.91E-04	5.53E-03	1.68E+00	6.59E-01	4.26E-04
Domestic	<=3000	9.23E+07	4902848	1.22E+00	4.53E-03	3.87E-04	1.84E-02	3.86E+00	1.52E+00	9.80E-04
	>3000	1.77E+09	4902848	1.09E+01	3.15E-02	2.86E-03	1.35E-01	3.45E+01	1.35E+01	8.76E-03
	Total	1.89E+09	4902848	1.27E+01	4.30E-02	3.93E-03	1.59E-01	4.01E+01	1.57E+01	1.02E-02
Western Europe and North Atlantic	Ground	4.43E+06	643171	1.80E-01	2.21E-03	4.34E-04	3.11E-03	5.69E-01	2.23E-01	1.44E-04
International	<=3000	1.35E+07	643171	4.52E-01	1.45E-03	2.21E-04	1.04E-02	1.43E+00	5.59E-01	3.61E-04
	>3000	1.46E+09	643171	2.16E+01	4.30E-02	5.45E-03	3.21E-01	6.80E+01	2.67E+01	1.72E-02
	Total	1.48E+09	643171	2.22E+01	4.66E-02	6.11E-03	3.35E-01	7.00E+01	2.75E+01	1.78E-02
Global Total	Ground	1.90E+08	27673927	3.99E+00	5.66E-02	8.90E-03	4.68E-02	1.26E+01	4.94E+00	3.19E-03
	<=3000	5.24E+08	27673927	8.32E+00	3.27E-02	4.78E-03	1.45E-01	2.62E+01	1.03E+01	6.65E-03
	>3000	1.65E+10	27673927	1.58E+02	3.75E-01	4.93E-02	2.16E+00	4.97E+02	1.95E+02	1.26E-01
	Total	1.72E+10	27673927	1.70E+02	4.64E-01	6.30E-02	2.35E+00	5.36E+02	2.10E+02	1.36E-01

Table A-3. Regional Fuel Burn and Emissions Inventory for 2002

Region	Mode	Distance (nm)	No. of Flights	Fuel Burn (Tg)	CO (Tg)	HC (Tg)	NOx (Tg)	CO ₂ (Tg)	H ₂ O (Tg)	SOx (Tg)
Africa	Ground	2.21E+06	402917	4.25E-02	4.70E-04	8.89E-05	4.78E-04	1.34E-01	5.26E-02	3.40E-05

Domestic	<=3000	7.34E+06	402917	8.71E-02	3.31E-04	5.95E-05	1.32E-03	2.75E-01	1.08E-01	6.97E-05
	>3000	1.50E+08	402917	1.01E+00	2.45E-03	4.42E-04	1.22E-02	3.19E+00	1.25E+00	8.09E-04
	Total	1.59E+08	402917	1.14E+00	3.25E-03	5.90E-04	1.40E-02	3.60E+00	1.41E+00	9.13E-04
Africa International	Ground	5.00E+05	83536	2.11E-02	2.21E-04	4.78E-05	3.76E-04	6.64E-02	2.61E-02	1.68E-05
	<=3000	1.76E+06	83536	5.66E-02	1.75E-04	3.13E-05	1.26E-03	1.79E-01	7.00E-02	4.53E-05
	>3000	1.70E+08	83536	2.48E+00	3.82E-03	7.36E-04	3.76E-02	7.83E+00	3.07E+00	1.98E-03
	Total	1.72E+08	83536	2.56E+00	4.22E-03	8.15E-04	3.93E-02	8.07E+00	3.17E+00	2.05E-03
Asia Domestic	Ground	1.72E+07	2960994	5.66E-01	6.36E-03	8.98E-04	8.98E-03	1.79E+00	7.00E-01	4.53E-04
	<=3000	5.69E+07	2960994	1.33E+00	4.16E-03	4.33E-04	2.68E-02	4.18E+00	1.64E+00	1.06E-03
	>3000	1.52E+09	2960994	1.65E+01	3.33E-02	3.94E-03	2.49E-01	5.20E+01	2.04E+01	1.32E-02
	Total	1.60E+09	2960994	1.84E+01	4.38E-02	5.28E-03	2.85E-01	5.80E+01	2.27E+01	1.47E-02
Asia International	Ground	1.45E+06	216463	8.43E-02	9.97E-04	2.36E-04	1.65E-03	2.66E-01	1.04E-01	6.75E-05
	<=3000	4.86E+06	216463	2.52E-01	7.37E-04	1.25E-04	6.03E-03	7.95E-01	3.12E-01	2.02E-04
	>3000	7.97E+08	216463	1.51E+01	2.47E-02	3.57E-03	2.32E-01	4.77E+01	1.87E+01	1.21E-02
	Total	8.04E+08	216463	1.54E+01	2.65E-02	3.93E-03	2.40E-01	4.87E+01	1.91E+01	1.24E-02
Australia and Oceania Domestic	Ground	4.38E+06	771701	7.86E-02	9.46E-04	1.30E-04	9.99E-04	2.48E-01	9.73E-02	6.29E-05
	<=3000	1.32E+07	771701	1.58E-01	5.89E-04	6.47E-05	2.66E-03	4.97E-01	1.95E-01	1.26E-04
	>3000	2.99E+08	771701	2.06E+00	4.47E-03	5.74E-04	2.72E-02	6.49E+00	2.54E+00	1.65E-03
	Total	3.17E+08	771701	2.29E+00	6.01E-03	7.69E-04	3.08E-02	7.24E+00	2.84E+00	1.83E-03
Australia and Oceania International	Ground	3.62E+05	54505	1.98E-02	1.84E-04	3.28E-05	3.85E-04	6.24E-02	2.45E-02	1.58E-05
	<=3000	1.18E+06	54505	5.15E-02	1.29E-04	1.84E-05	1.24E-03	1.63E-01	6.38E-02	4.12E-05
	>3000	1.62E+08	54505	2.59E+00	3.86E-03	6.93E-04	4.08E-02	8.16E+00	3.20E+00	2.07E-03
	Total	1.63E+08	54505	2.66E+00	4.17E-03	7.45E-04	4.24E-02	8.38E+00	3.29E+00	2.13E-03
Eastern Europe Domestic	Ground	2.33E+06	400458	5.60E-02	1.37E-03	5.43E-04	4.13E-04	1.77E-01	6.92E-02	4.48E-05
	<=3000	7.61E+06	400458	1.28E-01	1.38E-03	4.11E-04	1.46E-03	4.04E-01	1.59E-01	1.03E-04
	>3000	2.10E+08	400458	1.86E+00	2.06E-02	3.73E-03	1.54E-02	5.86E+00	2.30E+00	1.49E-03
	Total	2.20E+08	400458	2.04E+00	2.34E-02	4.69E-03	1.72E-02	6.44E+00	2.53E+00	1.63E-03
Eastern Europe International	Ground	1.73E+06	286836	4.46E-02	6.49E-04	1.23E-04	4.98E-04	1.41E-01	5.51E-02	3.57E-05
	<=3000	5.68E+06	286836	9.84E-02	5.14E-04	9.52E-05	1.51E-03	3.10E-01	1.22E-01	7.87E-05
	>3000	2.50E+08	286836	1.95E+00	8.61E-03	1.17E-03	2.24E-02	6.14E+00	2.41E+00	1.56E-03
	Total	2.57E+08	286836	2.09E+00	9.77E-03	1.39E-03	2.44E-02	6.59E+00	2.58E+00	1.67E-03
Middle East Domestic	Ground	2.64E+06	471941	9.03E-02	1.11E-03	2.19E-04	1.49E-03	2.85E-01	1.12E-01	7.22E-05
	<=3000	9.23E+06	471941	2.06E-01	9.26E-04	1.65E-04	4.33E-03	6.50E-01	2.55E-01	1.65E-04
	>3000	2.01E+08	471941	2.08E+00	9.35E-03	1.52E-03	3.22E-02	6.56E+00	2.57E+00	1.66E-03
	Total	2.13E+08	471941	2.37E+00	1.14E-02	1.90E-03	3.80E-02	7.49E+00	2.94E+00	1.90E-03
Middle East International	Ground	1.25E+06	207425	5.74E-02	7.26E-04	1.88E-04	1.04E-03	1.81E-01	7.10E-02	4.59E-05
	<=3000	4.33E+06	207425	1.47E-01	5.76E-04	1.25E-04	3.31E-03	4.65E-01	1.82E-01	1.18E-04
	>3000	3.67E+08	207425	4.61E+00	1.36E-02	2.06E-03	6.67E-02	1.45E+01	5.70E+00	3.69E-03
	Total	3.72E+08	207425	4.81E+00	1.49E-02	2.37E-03	7.10E-02	1.52E+01	5.96E+00	3.85E-03
North America and Caribbean Domestic	Ground	1.12E+08	14988010	1.84E+00	3.00E-02	4.39E-03	1.80E-02	5.82E+00	2.28E+00	1.47E-03
	<=3000	2.79E+08	14988010	3.31E+00	1.44E-02	2.14E-03	5.23E-02	1.04E+01	4.09E+00	2.64E-03
	>3000	7.49E+09	14988010	5.00E+01	1.28E-01	1.58E-02	6.38E-01	1.58E+02	6.18E+01	4.00E-02
	Total	7.88E+09	14988010	5.51E+01	1.73E-01	2.23E-02	7.08E-01	1.74E+02	6.82E+01	4.41E-02
North America and Caribbean International	Ground	2.84E+06	345529	1.37E-01	1.69E-03	3.22E-04	2.31E-03	4.31E-01	1.69E-01	1.09E-04
	<=3000	7.56E+06	345529	3.20E-01	9.94E-04	1.55E-04	7.59E-03	1.01E+00	3.95E-01	2.56E-04
	>3000	1.20E+09	345529	1.92E+01	3.93E-02	5.10E-03	2.95E-01	6.07E+01	2.38E+01	1.54E-02
	Total	1.21E+09	345529	1.97E+01	4.19E-02	5.57E-03	3.05E-01	6.21E+01	2.44E+01	1.58E-02
South America Domestic	Ground	6.54E+06	1166565	1.49E-01	1.83E-03	2.13E-04	1.65E-03	4.70E-01	1.84E-01	1.19E-04
	<=3000	2.29E+07	1166565	3.11E-01	1.21E-03	1.47E-04	4.85E-03	9.82E-01	3.85E-01	2.49E-04
	>3000	4.27E+08	1166565	2.94E+00	7.35E-03	1.06E-03	3.59E-02	9.27E+00	3.64E+00	2.35E-03
	Total	4.57E+08	1166565	3.40E+00	1.04E-02	1.42E-03	4.24E-02	1.07E+01	4.20E+00	2.72E-03
South America International	Ground	6.55E+05	96332	2.67E-02	3.00E-04	7.12E-05	4.38E-04	8.44E-02	3.31E-02	2.14E-05
	<=3000	2.03E+06	96332	6.13E-02	2.15E-04	4.59E-05	1.34E-03	1.93E-01	7.58E-02	4.90E-05
	>3000	2.32E+08	96332	2.93E+00	7.07E-03	7.63E-04	4.17E-02	9.24E+00	3.62E+00	2.34E-03
	Total	2.35E+08	96332	3.02E+00	7.59E-03	8.80E-04	4.35E-02	9.52E+00	3.73E+00	2.41E-03
Western Europe and North Atlantic Domestic	Ground	3.26E+07	5379416	5.77E-01	7.54E-03	7.99E-04	6.17E-03	1.82E+00	7.14E-01	4.61E-04
	<=3000	1.01E+08	5379416	1.32E+00	4.65E-03	4.28E-04	2.03E-02	4.16E+00	1.63E+00	1.06E-03
	>3000	1.97E+09	5379416	1.20E+01	3.13E-02	3.07E-03	1.52E-01	3.79E+01	1.49E+01	9.61E-03
	Total	2.10E+09	5379416	1.39E+01	4.35E-02	4.30E-03	1.78E-01	4.39E+01	1.72E+01	1.11E-02
Western Europe and North Atlantic	Ground	4.43E+06	644770	1.78E-01	2.19E-03	4.12E-04	3.01E-03	5.62E-01	2.20E-01	1.43E-04

International	<=3000	1.35E+07	644770	4.40E-01	1.43E-03	2.20E-04	1.02E-02	1.39E+00	5.45E-01	3.52E-04
	>3000	1.45E+09	644770	2.13E+01	5.30E-02	6.36E-03	3.21E-01	6.71E+01	2.63E+01	1.70E-02
	Total	1.47E+09	644770	2.19E+01	5.66E-02	7.00E-03	3.35E-01	6.90E+01	2.71E+01	1.75E-02
Global Total	Ground	1.93E+08	28477399	3.97E+00	5.66E-02	8.71E-03	4.79E-02	1.25E+01	4.91E+00	3.18E-03
	<=3000	5.38E+08	28477399	8.27E+00	3.24E-02	4.66E-03	1.47E-01	2.61E+01	1.02E+01	6.61E-03
	>3000	1.69E+10	28477399	1.59E+02	3.91E-01	5.06E-02	2.22E+00	5.00E+02	1.96E+02	1.27E-01
	Total	1.76E+10	28477399	1.71E+02	4.80E-01	6.39E-02	2.41E+00	5.39E+02	2.11E+02	1.37E-01

Table A-4. Regional Fuel Burn and Emissions Inventory for 2003

Region	Mode	Distance (nm)	No. of Flights	Fuel Burn (Tg)	CO (Tg)	HC (Tg)	NOx (Tg)	CO ₂ (Tg)	H ₂ O (Tg)	SOx (Tg)
Africa Domestic	Ground	2.08E+06	413940	4.17E-02	4.28E-04	7.63E-05	4.93E-04	1.32E-01	5.16E-02	3.34E-05
	<=3000	7.59E+06	413940	8.92E-02	3.29E-04	5.63E-05	1.37E-03	2.81E-01	1.10E-01	7.14E-05
	>3000	1.60E+08	413940	1.06E+00	2.56E-03	4.39E-04	1.28E-02	3.33E+00	1.31E+00	8.45E-04
	Total	1.70E+08	413940	1.19E+00	3.32E-03	5.72E-04	1.46E-02	3.75E+00	1.47E+00	9.50E-04
Africa International	Ground	5.11E+05	91252	2.17E-02	2.07E-04	3.92E-05	3.92E-04	6.84E-02	2.68E-02	1.73E-05
	<=3000	1.93E+06	91252	5.94E-02	1.72E-04	2.77E-05	1.34E-03	1.88E-01	7.35E-02	4.76E-05
	>3000	1.84E+08	91252	2.56E+00	4.15E-03	6.89E-04	3.87E-02	8.07E+00	3.16E+00	2.05E-03
	Total	1.86E+08	91252	2.64E+00	4.53E-03	7.56E-04	4.05E-02	8.33E+00	3.26E+00	2.11E-03
Asia Domestic	Ground	1.65E+07	3073020	5.64E-01	5.66E-03	7.73E-04	9.16E-03	1.78E+00	6.97E-01	4.51E-04
	<=3000	5.94E+07	3073020	1.36E+00	4.08E-03	4.21E-04	2.73E-02	4.31E+00	1.69E+00	1.09E-03
	>3000	1.64E+09	3073020	1.73E+01	3.37E-02	3.82E-03	2.59E-01	5.45E+01	2.14E+01	1.38E-02
	Total	1.71E+09	3073020	1.92E+01	4.35E-02	5.01E-03	2.95E-01	6.06E+01	2.37E+01	1.54E-02
Asia International	Ground	1.43E+06	227552	8.53E-02	9.23E-04	2.02E-04	1.68E-03	2.69E-01	1.06E-01	6.83E-05
	<=3000	5.09E+06	227552	2.58E-01	7.33E-04	1.18E-04	6.15E-03	8.14E-01	3.19E-01	2.06E-04
	>3000	8.31E+08	227552	1.55E+01	2.47E-02	3.41E-03	2.38E-01	4.89E+01	1.92E+01	1.24E-02
	Total	8.38E+08	227552	1.58E+01	2.64E-02	3.73E-03	2.46E-01	4.99E+01	1.96E+01	1.27E-02
Australia and Oceania Domestic	Ground	3.73E+06	711127	6.97E-02	7.67E-04	1.03E-04	9.69E-04	2.20E-01	8.62E-02	5.57E-05
	<=3000	1.20E+07	711127	1.45E-01	5.17E-04	6.05E-05	2.59E-03	4.57E-01	1.79E-01	1.16E-04
	>3000	2.80E+08	711127	1.91E+00	3.82E-03	5.17E-04	2.65E-02	6.02E+00	2.36E+00	1.53E-03
	Total	2.95E+08	711127	2.12E+00	5.11E-03	6.81E-04	3.01E-02	6.70E+00	2.63E+00	1.70E-03
Australia and Oceania International	Ground	3.36E+05	55399	1.95E-02	1.68E-04	2.99E-05	3.85E-04	6.14E-02	2.41E-02	1.56E-05
	<=3000	1.20E+06	55399	5.25E-02	1.29E-04	1.82E-05	1.25E-03	1.65E-01	6.49E-02	4.20E-05
	>3000	1.67E+08	55399	2.65E+00	3.84E-03	6.44E-04	4.15E-02	8.35E+00	3.27E+00	2.12E-03
	Total	1.69E+08	55399	2.72E+00	4.14E-03	6.93E-04	4.32E-02	8.58E+00	3.36E+00	2.17E-03
Eastern Europe Domestic	Ground	2.34E+06	431160	5.89E-02	1.41E-03	5.54E-04	4.23E-04	1.86E-01	7.29E-02	4.71E-05
	<=3000	8.23E+06	431160	1.40E-01	1.56E-03	4.68E-04	1.49E-03	4.41E-01	1.73E-01	1.12E-04
	>3000	2.33E+08	431160	2.06E+00	2.28E-02	4.15E-03	1.67E-02	6.50E+00	2.55E+00	1.65E-03
	Total	2.43E+08	431160	2.26E+00	2.58E-02	5.17E-03	1.86E-02	7.12E+00	2.79E+00	1.81E-03
Eastern Europe International	Ground	1.86E+06	325155	4.85E-02	6.79E-04	1.28E-04	5.65E-04	1.53E-01	5.99E-02	3.88E-05
	<=3000	6.44E+06	325155	1.11E-01	5.81E-04	1.07E-04	1.74E-03	3.51E-01	1.37E-01	8.89E-05
	>3000	2.91E+08	325155	2.23E+00	9.97E-03	1.32E-03	2.64E-02	7.04E+00	2.76E+00	1.79E-03
	Total	2.99E+08	325155	2.39E+00	1.12E-02	1.56E-03	2.87E-02	7.55E+00	2.96E+00	1.91E-03
Middle East Domestic	Ground	2.50E+06	488337	9.18E-02	1.06E-03	2.03E-04	1.57E-03	2.90E-01	1.14E-01	7.34E-05
	<=3000	9.60E+06	488337	2.20E-01	9.93E-04	1.73E-04	4.64E-03	6.94E-01	2.72E-01	1.76E-04
	>3000	2.16E+08	488337	2.26E+00	9.95E-03	1.53E-03	3.51E-02	7.12E+00	2.79E+00	1.81E-03
	Total	2.28E+08	488337	2.57E+00	1.20E-02	1.91E-03	4.13E-02	8.11E+00	3.18E+00	2.06E-03
Middle East International	Ground	1.29E+06	230768	6.10E-02	6.91E-04	1.68E-04	1.12E-03	1.92E-01	7.55E-02	4.88E-05
	<=3000	4.83E+06	230768	1.62E-01	6.13E-04	1.27E-04	3.59E-03	5.12E-01	2.01E-01	1.30E-04
	>3000	4.11E+08	230768	5.17E+00	1.56E-02	2.10E-03	7.45E-02	1.63E+01	6.40E+00	4.14E-03
	Total	4.17E+08	230768	5.40E+00	1.69E-02	2.40E-03	7.92E-02	1.70E+01	6.67E+00	4.32E-03
North America and Caribbean Domestic	Ground	1.12E+08	15003155	1.85E+00	2.98E-02	4.14E-03	1.81E-02	5.83E+00	2.29E+00	1.48E-03
	<=3000	2.82E+08	15003155	3.28E+00	1.40E-02	2.01E-03	5.20E-02	1.04E+01	4.06E+00	2.63E-03
	>3000	7.91E+09	15003155	5.10E+01	1.27E-01	1.46E-02	6.47E-01	1.61E+02	6.31E+01	4.08E-02
	Total	8.30E+09	15003155	5.61E+01	1.70E-01	2.08E-02	7.17E-01	1.77E+02	6.94E+01	4.49E-02
North America and Caribbean International	Ground	2.71E+06	342990	1.33E-01	1.56E-03	2.82E-04	2.30E-03	4.20E-01	1.65E-01	1.07E-04
	<=3000	7.52E+06	342990	3.20E-01	9.47E-04	1.38E-04	7.64E-03	1.01E+00	3.95E-01	2.56E-04

	>3000	1.22E+09	342990	1.94E+01	3.46E-02	4.35E-03	3.01E-01	6.13E+01	2.40E+01	1.55E-02
	Total	1.23E+09	342990	1.99E+01	3.71E-02	4.77E-03	3.11E-01	6.27E+01	2.46E+01	1.59E-02
South America	Ground	4.99E+06	953870	1.25E-01	1.24E-03	1.48E-04	1.49E-03	3.95E-01	1.55E-01	1.00E-04
Domestic	<=3000	1.89E+07	953870	2.77E-01	9.30E-04	1.14E-04	4.36E-03	8.73E-01	3.42E-01	2.21E-04
	>3000	3.71E+08	953870	2.65E+00	6.48E-03	8.86E-04	3.28E-02	8.37E+00	3.28E+00	2.12E-03
	Total	3.95E+08	953870	3.06E+00	8.65E-03	1.15E-03	3.86E-02	9.64E+00	3.78E+00	2.44E-03
South America	Ground	5.70E+05	88226	2.45E-02	2.59E-04	5.62E-05	4.12E-04	7.74E-02	3.03E-02	1.96E-05
International	<=3000	1.88E+06	88226	5.66E-02	2.01E-04	3.83E-05	1.23E-03	1.78E-01	7.00E-02	4.53E-05
	>3000	2.21E+08	88226	2.72E+00	7.19E-03	7.03E-04	3.86E-02	8.58E+00	3.37E+00	2.18E-03
	Total	2.23E+08	88226	2.80E+00	7.65E-03	7.97E-04	4.02E-02	8.84E+00	3.47E+00	2.24E-03
Western Europe and North Atlantic	Ground	3.33E+07	5639295	6.12E-01	7.82E-03	8.73E-04	6.78E-03	1.93E+00	7.58E-01	4.90E-04
Domestic	<=3000	1.07E+08	5639295	1.42E+00	5.05E-03	4.67E-04	2.20E-02	4.47E+00	1.75E+00	1.13E-03
	>3000	2.18E+09	5639295	1.33E+01	3.69E-02	3.45E-03	1.67E-01	4.19E+01	1.64E+01	1.06E-02
	Total	2.32E+09	5639295	1.53E+01	4.98E-02	4.79E-03	1.96E-01	4.83E+01	1.89E+01	1.22E-02
Western Europe and North Atlantic	Ground	4.61E+06	704790	1.85E-01	2.16E-03	3.87E-04	3.19E-03	5.83E-01	2.29E-01	1.48E-04
International	<=3000	1.47E+07	704790	4.69E-01	1.50E-03	2.20E-04	1.08E-02	1.48E+00	5.80E-01	3.75E-04
	>3000	1.55E+09	704790	2.23E+01	5.59E-02	6.32E-03	3.39E-01	7.04E+01	2.76E+01	1.78E-02
	Total	1.57E+09	704790	2.30E+01	5.95E-02	6.92E-03	3.53E-01	7.24E+01	2.84E+01	1.84E-02
Global Total	Ground	1.91E+08	28780037	3.99E+00	5.48E-02	8.16E-03	4.90E-02	1.26E+01	4.94E+00	3.19E-03
	<=3000	5.48E+08	28780037	8.43E+00	3.23E-02	4.57E-03	1.50E-01	2.66E+01	1.04E+01	6.74E-03
	>3000	1.79E+10	28780037	1.64E+02	3.99E-01	4.90E-02	2.29E+00	5.17E+02	2.03E+02	1.31E-01
	Total	1.86E+10	28780037	1.76E+02	4.86E-01	6.17E-02	2.49E+00	5.57E+02	2.18E+02	1.41E-01

Table A-5. Regional Fuel Burn and Emissions Inventory for 2004

Region	Mode	Distance (nm)	No. of Flights	Fuel Burn (Tg)	CO (Tg)	HC (Tg)	NOx (Tg)	CO ₂ (Tg)	H ₂ O (Tg)	SOx (Tg)
Africa	Ground	2.17E+06	434555	4.45E-02	4.46E-04	7.38E-05	5.31E-04	1.40E-01	5.50E-02	3.56E-05
Domestic	<=3000	8.01E+06	434555	9.60E-02	3.48E-04	5.62E-05	1.48E-03	3.03E-01	1.19E-01	7.68E-05
	>3000	1.71E+08	434555	1.11E+00	2.82E-03	4.42E-04	1.33E-02	3.51E+00	1.38E+00	8.91E-04
	Total	1.81E+08	434555	1.25E+00	3.61E-03	5.72E-04	1.53E-02	3.96E+00	1.55E+00	1.00E-03
Africa	Ground	5.66E+05	102864	2.38E-02	2.14E-04	3.43E-05	4.34E-04	7.52E-02	2.95E-02	1.91E-05
International	<=3000	2.17E+06	102864	6.53E-02	1.82E-04	2.57E-05	1.49E-03	2.06E-01	8.08E-02	5.22E-05
	>3000	2.08E+08	102864	2.77E+00	4.93E-03	7.05E-04	4.20E-02	8.73E+00	3.42E+00	2.21E-03
	Total	2.10E+08	102864	2.86E+00	5.33E-03	7.65E-04	4.40E-02	9.01E+00	3.53E+00	2.28E-03
Asia	Ground	1.80E+07	3373013	6.07E-01	5.91E-03	7.76E-04	1.02E-02	1.91E+00	7.51E-01	4.85E-04
Domestic	<=3000	6.55E+07	3373013	1.48E+00	4.17E-03	4.12E-04	3.05E-02	4.68E+00	1.83E+00	1.19E-03
	>3000	1.88E+09	3373013	1.92E+01	3.42E-02	3.86E-03	2.92E-01	6.07E+01	2.38E+01	1.54E-02
	Total	1.96E+09	3373013	2.13E+01	4.43E-02	5.05E-03	3.33E-01	6.73E+01	2.64E+01	1.71E-02
Asia	Ground	1.59E+06	256628	9.40E-02	9.40E-04	1.82E-04	1.85E-03	2.97E-01	1.16E-01	7.52E-05
International	<=3000	5.73E+06	256628	2.85E-01	7.63E-04	1.12E-04	6.83E-03	8.99E-01	3.53E-01	2.28E-04
	>3000	9.37E+08	256628	1.71E+01	2.69E-02	3.44E-03	2.63E-01	5.39E+01	2.11E+01	1.37E-02
	Total	9.44E+08	256628	1.75E+01	2.86E-02	3.73E-03	2.72E-01	5.51E+01	2.16E+01	1.40E-02
Australia and Oceania	Ground	3.94E+06	753172	7.62E-02	8.00E-04	9.63E-05	1.12E-03	2.41E-01	9.43E-02	6.10E-05
Domestic	<=3000	1.28E+07	753172	1.60E-01	5.28E-04	5.33E-05	2.97E-03	5.06E-01	1.98E-01	1.28E-04
	>3000	3.07E+08	753172	2.07E+00	4.00E-03	4.75E-04	2.91E-02	6.53E+00	2.56E+00	1.66E-03
	Total	3.23E+08	753172	2.31E+00	5.33E-03	6.25E-04	3.32E-02	7.28E+00	2.85E+00	1.85E-03
Australia and Oceania	Ground	3.86E+05	63001	2.24E-02	1.90E-04	3.15E-05	4.54E-04	7.06E-02	2.77E-02	1.79E-05
International	<=3000	1.36E+06	63001	6.10E-02	1.39E-04	1.80E-05	1.49E-03	1.92E-01	7.54E-02	4.88E-05
	>3000	1.95E+08	63001	3.07E+00	4.12E-03	6.94E-04	4.83E-02	9.67E+00	3.79E+00	2.45E-03
	Total	1.97E+08	63001	3.15E+00	4.45E-03	7.43E-04	5.02E-02	9.94E+00	3.90E+00	2.52E-03
Eastern Europe	Ground	2.58E+06	480961	6.79E-02	1.63E-03	6.23E-04	4.69E-04	2.14E-01	8.40E-02	5.43E-05
Domestic	<=3000	9.26E+06	480961	1.60E-01	1.80E-03	5.44E-04	1.60E-03	5.04E-01	1.98E-01	1.28E-04
	>3000	2.53E+08	480961	2.22E+00	2.50E-02	4.76E-03	1.72E-02	7.02E+00	2.75E+00	1.78E-03
	Total	2.65E+08	480961	2.45E+00	2.85E-02	5.92E-03	1.93E-02	7.74E+00	3.03E+00	1.96E-03
Eastern Europe	Ground	2.21E+06	395215	5.59E-02	7.90E-04	1.40E-04	6.50E-04	1.76E-01	6.91E-02	4.47E-05
International	<=3000	7.82E+06	395215	1.30E-01	6.80E-04	1.19E-04	2.04E-03	4.11E-01	1.61E-01	1.04E-04
	>3000	3.49E+08	395215	2.62E+00	1.15E-02	1.47E-03	3.14E-02	8.28E+00	3.25E+00	2.10E-03

	Total	3.59E+08	395215	2.81E+00	1.30E-02	1.73E-03	3.41E-02	8.87E+00	3.48E+00	2.25E-03
Middle East	Ground	2.68E+06	522876	9.97E-02	1.13E-03	2.13E-04	1.74E-03	3.15E-01	1.23E-01	7.98E-05
Domestic	<=3000	1.03E+07	522876	2.41E-01	1.06E-03	1.83E-04	5.16E-03	7.60E-01	2.98E-01	1.93E-04
	>3000	2.39E+08	522876	2.49E+00	1.15E-02	1.67E-03	3.88E-02	7.86E+00	3.08E+00	1.99E-03
	Total	2.52E+08	522876	2.83E+00	1.37E-02	2.06E-03	4.58E-02	8.93E+00	3.50E+00	2.26E-03
Middle East	Ground	1.48E+06	265577	7.07E-02	7.60E-04	1.73E-04	1.34E-03	2.23E-01	8.75E-02	5.66E-05
International	<=3000	5.57E+06	265577	1.90E-01	6.70E-04	1.32E-04	4.31E-03	6.01E-01	2.36E-01	1.52E-04
	>3000	4.86E+08	265577	6.18E+00	1.87E-02	2.36E-03	9.07E-02	1.95E+01	7.65E+00	4.95E-03
	Total	4.93E+08	265577	6.45E+00	2.01E-02	2.67E-03	9.63E-02	2.03E+01	7.97E+00	5.16E-03
North America and Caribbean	Ground	1.15E+08	15615896	1.81E+00	2.96E-02	4.14E-03	1.79E-02	5.70E+00	2.24E+00	1.45E-03
Domestic	<=3000	2.93E+08	15615896	3.21E+00	1.43E-02	2.07E-03	5.11E-02	1.01E+01	3.98E+00	2.57E-03
	>3000	8.24E+09	15615896	5.15E+01	1.26E-01	1.45E-02	6.55E-01	1.62E+02	6.37E+01	4.12E-02
	Total	8.64E+09	15615896	5.65E+01	1.70E-01	2.07E-02	7.24E-01	1.78E+02	6.99E+01	4.52E-02
North America and Caribbean	Ground	2.97E+06	366878	1.45E-01	1.64E-03	2.56E-04	2.45E-03	4.57E-01	1.79E-01	1.16E-04
International	<=3000	8.03E+06	366878	3.39E-01	9.77E-04	1.29E-04	8.09E-03	1.07E+00	4.19E-01	2.71E-04
	>3000	1.31E+09	366878	2.08E+01	3.52E-02	4.02E-03	3.24E-01	6.56E+01	2.57E+01	1.66E-02
	Total	1.32E+09	366878	2.13E+01	3.78E-02	4.40E-03	3.34E-01	6.71E+01	2.63E+01	1.70E-02
South America	Ground	5.01E+06	969186	1.30E-01	1.28E-03	1.45E-04	1.56E-03	4.09E-01	1.60E-01	1.04E-04
Domestic	<=3000	1.92E+07	969186	2.86E-01	9.79E-04	1.15E-04	4.57E-03	9.04E-01	3.54E-01	2.29E-04
	>3000	3.89E+08	969186	2.79E+00	7.12E-03	9.15E-04	3.48E-02	8.80E+00	3.45E+00	2.23E-03
	Total	4.13E+08	969186	3.21E+00	9.38E-03	1.17E-03	4.09E-02	1.01E+01	3.97E+00	2.57E-03
South America	Ground	6.07E+05	95279	2.72E-02	2.78E-04	5.35E-05	4.69E-04	8.57E-02	3.36E-02	2.17E-05
International	<=3000	2.03E+06	95279	6.35E-02	2.18E-04	3.70E-05	1.42E-03	2.00E-01	7.85E-02	5.08E-05
	>3000	2.48E+08	95279	3.10E+00	8.34E-03	7.24E-04	4.47E-02	9.80E+00	3.84E+00	2.48E-03
	Total	2.51E+08	95279	3.20E+00	8.83E-03	8.15E-04	4.66E-02	1.01E+01	3.95E+00	2.56E-03
Western Europe and North Atlantic	Ground	3.29E+07	5871459	6.25E-01	7.87E-03	8.38E-04	7.30E-03	1.97E+00	7.73E-01	5.00E-04
Domestic	<=3000	1.11E+08	5871459	1.49E+00	5.52E-03	4.83E-04	2.36E-02	4.70E+00	1.84E+00	1.19E-03
	>3000	2.29E+09	5871459	1.40E+01	3.99E-02	3.54E-03	1.80E-01	4.40E+01	1.73E+01	1.12E-02
	Total	2.43E+09	5871459	1.61E+01	5.32E-02	4.87E-03	2.10E-01	5.07E+01	1.99E+01	1.29E-02
Western Europe and North Atlantic	Ground	5.11E+06	812033	2.02E-01	2.25E-03	3.52E-04	3.50E-03	6.38E-01	2.50E-01	1.62E-04
International	<=3000	1.69E+07	812033	5.18E-01	1.63E-03	2.12E-04	1.20E-02	1.63E+00	6.41E-01	4.14E-04
	>3000	1.74E+09	812033	2.45E+01	6.06E-02	6.13E-03	3.72E-01	7.72E+01	3.03E+01	1.96E-02
	Total	1.76E+09	812033	2.52E+01	6.45E-02	6.69E-03	3.87E-01	7.95E+01	3.12E+01	2.02E-02
Global Total	Ground	1.97E+08	30378593	4.10E+00	5.57E-02	8.12E-03	5.19E-02	1.29E+01	5.07E+00	3.28E-03
	<=3000	5.79E+08	30378593	8.78E+00	3.39E-02	4.70E-03	1.59E-01	2.77E+01	1.09E+01	7.03E-03
	>3000	1.92E+10	30378593	1.75E+02	4.21E-01	4.97E-02	2.48E+00	5.54E+02	2.17E+02	1.40E-01
	Total	2.00E+10	30378593	1.88E+02	5.11E-01	6.25E-02	2.69E+00	5.94E+02	2.33E+02	1.51E-01