

## List of Exceedances of the National Ambient Air Quality Standards

The Hawai'i State Department of Health is required to notify the public whenever the National Ambient Air Quality Standards (NAAQS) are exceeded. The list below shows the most recent exceedances due to an exceptional or natural event. For a list of previous exceedances through 2009, please see the Department of Health, Clean Air Branch web page.

DATE	MONITORING STATION LOCATION & ISLAND	AIR POLLUTANT	STANDARD TYPE	STANDARD LIMIT	ACTUAL	CAUSE
Feb. 7, 2012	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.160 ppm (11 a.m.-noon)	volcanic emissions
Feb. 7, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.299 ppm (5-6 p.m.)	volcanic emissions
Feb. 6, 2012	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.194 ppm (5-6 a.m.)	volcanic emissions
Feb. 6, 2012	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.174 ppm (4-5 a.m.)	volcanic emissions
Feb. 6, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.232 ppm (4-5 a.m.)	volcanic emissions
Feb. 3, 2012	Kona, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.098 ppm (noon-1 p.m.)	volcanic emissions
Feb. 3, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.335 ppm (6-7 a.m.)	volcanic emissions
Feb. 3, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.322 ppm (5-6 a.m.)	volcanic emissions
Feb. 2, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.626 ppm (midnight-1 a.m.)	volcanic emissions
Feb. 2, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.281 ppm (8-9 a.m.)	volcanic emissions
Feb. 1, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.265 ppm (11 p.m.-midnight)	volcanic emissions
Feb. 1, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.331 ppm (7-8 a.m.)	volcanic emissions
Jan. 31, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.100 ppm (7-8 a.m.)	volcanic emissions
Jan. 30, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.408 ppm (2-3 a.m.)	volcanic emissions
Jan. 29, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.092 ppm (10-11 a.m.)	volcanic emissions
Jan. 29, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.620 ppm (8-9 a.m.)	volcanic emissions
Jan. 28, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.090 ppm (11 a.m. -noon)	volcanic emissions
Jan. 28, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.581 ppm (5-6 a.m.)	volcanic emissions
Jan. 27, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.089 ppm (6-7 a.m.)	volcanic emissions
Jan. 27, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.111 ppm (8-9 a.m.)	volcanic emissions
Jan. 25, 2012	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.089 ppm (4-5 a.m.)	volcanic emissions
Jan. 25, 2012	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.128 ppm (3-4 a.m.)	volcanic emissions
Jan. 25, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.297 ppm (2-3 a.m.)	volcanic emissions
Jan. 25, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.262 ppm (2-3 a.m.)	volcanic emissions
Jan. 24, 2012	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.188 ppm (2-3 a.m.)	volcanic emissions

Jan. 24, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.125 ppm (11 p.m.-midnight)	volcanic emissions
Jan. 23, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.278 ppm (2-3 a.m.)	volcanic emissions
Jan. 23, 2011	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg. 3-hour avg. 3-hour avg. 1-hour avg.	0.14 ppm 0.5 ppm 0.5 ppm 0.5 ppm 0.075 ppm	0.27 ppm 0.7 ppm (midnight-3 a.m.) 0.8 ppm (3-6 a.m.) 0.6 ppm (6-9 a.m.) 1.0 ppm (5-6 a.m.)	volcanic emissions
Jan. 22, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.090 ppm (5-6 a.m.)	volcanic emissions
Jan. 22, 2011	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg. 1-hour avg.	0.14 ppm 0.5 ppm 0.075 ppm	0.23 ppm 0.8 ppm (6-9 a.m.) 0.971 ppm (6-7 a.m.)	volcanic emissions
Jan. 21, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.423 ppm (8-9 a.m.)	volcanic emissions
Jan. 20, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.472 ppm (5-6 a.m.)	volcanic emissions
Jan. 19, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.226 ppm (11 p.m.-midnight)	volcanic emissions
Jan. 18, 2012	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.076 ppm (7-8 a.m.)	volcanic emissions
Jan. 18, 2012	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.465 ppm (2-3 a.m.)	volcanic emissions
Jan. 18, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.111 ppm (1-2 a.m.)	volcanic emissions
Jan. 17, 2012	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.089 ppm (9-10 a.m.)	volcanic emissions
Jan. 17, 2012	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.250 ppm (7-8 a.m.)	volcanic emissions
Jan. 16, 2012	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.079 ppm (3-4 a.m.)	volcanic emissions
Jan. 15, 2012	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.128 ppm (6-7 a.m.)	volcanic emissions
Jan. 13, 2012	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.078 ppm (9-10 a.m.)	volcanic emissions
Jan. 13, 2012	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.142 ppm (10-11 a.m.)	volcanic emissions
Jan. 12, 2012	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.107 ppm (4-5 p.m.)	volcanic emissions
Jan. 12, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.559 ppm (4-5 a.m.)	volcanic emissions
Jan. 11, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.147 ppm (midnight-1 a.m.)	volcanic emissions
Jan. 10, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.076 ppm (11 a.m. -noon)	volcanic emissions
Jan. 10, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.150 ppm (5-6 a.m.)	volcanic emissions
Jan. 9, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.350 ppm (3-4 a.m.)	volcanic emissions
Jan. 8, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.077 ppm (10-11 a.m.)	volcanic emissions
Jan. 8, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.270 ppm (midnight-1 a.m.)	volcanic emissions
Jan. 7, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.077 ppm (4-5 a.m.)	volcanic emissions
Jan. 7, 2012	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 1-hour avg.	0.14 ppm 0.075 ppm	0.23 ppm 1.000 ppm (9-10 a.m.)	volcanic emissions
Jan. 6, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.102 ppm (7-8 a.m.)	volcanic emissions

Jan. 6, 2012	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg. 1-hour avg.	0.14 ppm 0.5 ppm 0.075 ppm	0.20 ppm 0.6 ppm (3-6 a.m.) 0.615 ppm (3-4 a.m.)	volcanic emissions
Jan. 5, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.391 ppm (8-9 a.m.)	volcanic emissions
Jan. 4, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.699 ppm (9-10 a.m.)	volcanic emissions
Jan. 4, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.154 ppm (5-6 a.m.)	volcanic emissions
Jan. 2, 2012	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.327 ppm (6-7 a.m.)	volcanic emissions
Jan. 2, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.703 ppm (4-5 a.m.)	volcanic emissions
Jan. 1, 2012	Kona, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.106 ppm (5-6 a.m.)	volcanic emissions
Jan. 1, 2012	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.157 ppm (3-4 a.m.)	volcanic emissions
Jan. 1, 2012	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.368 ppm (1-2 a.m.)	volcanic emissions
Dec. 31, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.291 ppm (9-10 a.m.)	volcanic emissions
Dec. 31, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.253 ppm (9-10 a.m.)	volcanic emissions
Dec. 30, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.287 ppm (2-3 a.m.)	volcanic emissions
Dec. 30, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.239 ppm (2-3 a.m.)	volcanic emissions
Dec. 29, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.211 ppm (8-9 a.m.)	volcanic emissions
Dec. 28, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.371 ppm (3-4 a.m.)	volcanic emissions
Dec. 28, 2011	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 1-hour avg.	0.14 ppm 0.075 ppm	0.16 ppm 0.516 ppm (3-4 a.m.)	volcanic emissions
Dec. 27, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.321 ppm (8-9 p.m.)	volcanic emissions
Dec. 27, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.194 ppm (9-10 a.m.)	volcanic emissions
Dec. 26, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.378 ppm (4-5 p.m.)	volcanic emissions
Dec. 25, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.243 ppm (1-2 a.m.)	volcanic emissions
Dec. 25, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.581 ppm (6-7 p.m.)	volcanic emissions
Dec. 24, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.146 ppm (3-4 p.m.)	volcanic emissions
Dec. 24, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.349 ppm (6-7 p.m.)	volcanic emissions
Dec. 23, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.080 ppm (8-9 p.m.)	volcanic emissions
Dec. 23, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.367 ppm (5-6 p.m.)	volcanic emissions
Dec. 22, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.361 ppm (1-2 p.m.)	volcanic emissions
Dec. 22, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.593 ppm (5-6 p.m.)	volcanic emissions
Dec. 21, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.104 ppm (4-5 p.m.)	volcanic emissions
Dec. 21, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.267 ppm (11 a.m. -noon)	volcanic emissions
Dec. 20, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.276 ppm (4-5 p.m.)	volcanic emissions

Dec. 19, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.117 ppm (10-11 a.m.)	volcanic emissions
Dec. 19, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.357 ppm (9-10 a.m.)	volcanic emissions
Dec. 18, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.182 ppm (11 a.m. -noon)	volcanic emissions
Dec. 17, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.220 ppm (5-6 a.m.)	volcanic emissions
Dec. 16, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.121 ppm (8-9 a.m.)	volcanic emissions
Dec. 16, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.189 ppm (5-6 a.m.)	volcanic emissions
Dec. 14, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.164 ppm (noon-1 p.m.)	volcanic emissions
Dec. 12, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.146 ppm (6-7 a.m.)	volcanic emissions
Dec. 12, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.260 ppm (3-4 a.m.)	volcanic emissions
Dec. 11, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.086 ppm (11 a.m. -noon)	volcanic emissions
Dec. 11, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.439 ppm (4-5 p.m.)	volcanic emissions
Dec. 10, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.128 ppm (noon-1 p.m.)	volcanic emissions
Dec. 9, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.373 ppm (noon-1 p.m.)	volcanic emissions
Dec. 8, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.300 ppm (midnight-1 a.m.)	volcanic emissions
Dec. 7, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.165 ppm (8-9 a.m.)	volcanic emissions
Dec. 7, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.311 ppm (11 p.m.-midnight)	volcanic emissions
Dec. 6, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.212 ppm (10-11 a.m.)	volcanic emissions
Dec. 6, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.321 ppm (8-9 a.m.)	volcanic emissions
Dec. 5, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.153 ppm (10-11 p.m.)	volcanic emissions
Dec. 5, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.191 ppm (9-10 p.m.)	volcanic emissions
Dec. 4, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.165 ppm (11 a.m.-noon)	volcanic emissions
Dec. 4, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.250 ppm (8-9 a.m.)	volcanic emissions
Dec. 3, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.142 ppm (noon-1 p.m.)	volcanic emissions
Dec. 2, 2011	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.099 ppm (2-3 a.m.)	volcanic emissions
Dec. 2, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.085 ppm (4-5 a.m.)	volcanic emissions
Dec. 2, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.147 ppm (noon-1 p.m.)	volcanic emissions
Dec. 2, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.563 ppm (9-10 p.m.)	volcanic emissions
Dec. 1, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.611 ppm (midnight-1 a.m.)	volcanic emissions
Dec. 1, 2011	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg. 1-hour avg.	0.14 ppm 0.5 ppm 0.075 ppm	0.16 ppm 0.6 ppm (6-9 a.m.) 0.776 ppm (9-10 a.m.)	volcanic emissions
Nov. 30, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.362 ppm (11 p.m.-midnight)	volcanic emissions
Dec. 1, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.611 ppm (midnight-1 a.m.)	volcanic emissions

Nov. 30, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.141 ppm (10-11 a.m.)	volcanic emissions
Nov. 29, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.305 ppm (10-11 a.m.)	volcanic emissions
Nov. 28, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.172 ppm (8-9 a.m.)	volcanic emissions
Nov. 27, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.223 ppm (7-8 p.m.)	volcanic emissions
Nov. 26, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.159 ppm (10-11 a.m.)	volcanic emissions
Nov. 24, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.248 ppm (10-11 a.m.)	volcanic emissions
Nov. 24, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.301 ppm (8-9 a.m.)	volcanic emissions
Nov. 23, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.447 ppm (5-6 a.m.)	volcanic emissions
Nov. 22, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.166 ppm (8-9 a.m.)	volcanic emissions
Nov. 21, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.089 ppm (4-5 p.m.)	volcanic emissions
Nov. 21, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.460 ppm (1-2 p.m.)	volcanic emissions
Nov. 20, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.092 ppm (11 p.m.-midnight)	volcanic emissions
Nov. 19, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.083 ppm (3-4 p.m.)	volcanic emissions
Nov. 19, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.123 ppm (11 p.m.-midnight)	volcanic emissions
Nov. 18, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.190 ppm (8-9 a.m.)	volcanic emissions
Nov. 17, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.080 ppm (1-2 a.m.)	volcanic emissions
Nov. 17, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.082 ppm (9-10 a.m.)	volcanic emissions
Nov. 16, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.287 ppm (5-6 a.m.)	volcanic emissions
Nov. 15, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.081 ppm (2-3 a.m.)	volcanic emissions
Nov. 14, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.157 ppm (9-10 a.m.)	volcanic emissions
Nov. 13, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.430 ppm (7-8 a.m.)	volcanic emissions
Nov. 12, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.134 ppm (11 p.m.-midnight)	volcanic emissions
Nov. 11, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.122 ppm (noon-1 p.m.)	volcanic emissions
Nov. 11, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.231 ppm (midnight-1 a.m.)	volcanic emissions
Nov. 10, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.128 ppm (noon-1 p.m.)	volcanic emissions
Nov. 10, 2011	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 1-hour avg.	0.14 ppm 0.075 ppm	0.24 ppm 0.531 ppm (noon-1 p.m.)	volcanic emissions
Nov. 9, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.120 ppm (4-5 p.m.)	volcanic emissions
Nov. 9, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.480 ppm (6-7 p.m.)	volcanic emissions
Nov. 8, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.272 ppm (7-8 p.m.)	volcanic emissions
Nov. 7, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.257 ppm (6-7 a.m.)	volcanic emissions
Nov. 7, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.174 ppm (2-3 a.m.)	volcanic emissions

Nov. 6, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.229 ppm (7-8 a.m.)	volcanic emissions
Nov. 5, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.327 ppm (8-9 p.m.)	volcanic emissions
Nov. 4, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.284 ppm (11 p.m.-midnight)	volcanic emissions
Nov. 3, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.176 ppm (3-4 a.m.)	volcanic emissions
Nov. 2, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.104 ppm (midnight-1 a.m.)	volcanic emissions
Nov. 2, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.210 ppm (7-8 p.m.)	volcanic emissions
Nov. 1, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.163 ppm (9-10 p.m.)	volcanic emissions
Oct. 31, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.111 ppm (10-11 a.m.)	volcanic emissions
Oct. 31, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.123 ppm (3-4 a.m.)	volcanic emissions
Oct. 30, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.295 ppm (6-7 a.m.)	volcanic emissions
Oct. 29, 2011	Kona, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.088 ppm (2-3 p.m.)	volcanic emissions
Oct. 29, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	1.000 ppm (8-9 a.m.)	volcanic emissions
Oct. 29, 2011	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg. 1-hour avg.	0.14 ppm 0.5 ppm 0.075 ppm	0.15 ppm 0.6 ppm (6-9 a.m.) 0.860 ppm (6-7 a.m.)	volcanic emissions
Oct. 28, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.231 ppm (6-7 a.m.)	volcanic emissions
Oct. 27, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.094 ppm (midnight-1 a.m.)	volcanic emissions
Oct. 26, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.158 ppm (9-10 p.m.)	volcanic emissions
Oct. 25, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.175 ppm (3-4 a.m.)	volcanic emissions
Oct. 25, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.316 ppm (6-7 a.m.)	volcanic emissions
Oct. 24, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.315 ppm (6-7 p.m.)	volcanic emissions
Oct. 24, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.203 ppm (4-5 a.m.)	volcanic emissions
Oct. 23, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.244 ppm (11 p.m.-midnight)	volcanic emissions
Oct. 23, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.189 ppm (7-8 p.m.)	volcanic emissions
Oct. 22, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.249 ppm (midnight-1 a.m.)	volcanic emissions
Oct. 21, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.437 ppm (6-7 a.m.)	volcanic emissions
Oct. 20, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.124 ppm (7-8 a.m.)	volcanic emissions
Oct. 19, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.156 ppm (2-3 a.m.)	volcanic emissions
Oct. 18, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.186 ppm (5-6 a.m.)	volcanic emissions
Oct. 17, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.181 ppm (8-9 a.m.)	volcanic emissions
Oct. 16, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.101 ppm (9-10 p.m.)	volcanic emissions
Oct. 15, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.127 ppm (8-9 a.m.)	volcanic emissions
Oct. 14, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.089 ppm (11 a.m.-noon)	volcanic emissions

Oct. 13, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.079 ppm (7-8 a.m.)	volcanic emissions
Oct. 12, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.080 ppm (4-5 a.m.)	volcanic emissions
Oct. 11, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.284 ppm (8-9 a.m.)	volcanic emissions
Oct. 10, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.114 ppm (8-9 a.m.)	volcanic emissions
Oct. 9, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.190 ppm (7-8 a.m.)	volcanic emissions
Oct. 8, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.088 ppm (8-9 a.m.)	volcanic emissions
Oct. 8, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.091 ppm (5-6 a.m.)	volcanic emissions
Oct. 6, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.143 ppm (10-11 p.m.)	volcanic emissions
Oct. 5, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.092 ppm (6-7 a.m.)	volcanic emissions
Oct. 4, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.193 ppm (8-9 a.m.)	volcanic emissions
Oct. 3, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.188 ppm (9-10 a.m.)	volcanic emissions
Oct. 3, 2011	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 1-hour avg.	0.14 ppm 0.075 ppm	0.20 ppm 0.541 ppm (9-10 p.m.)	volcanic emissions
Oct. 2, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.107 ppm (4-5 a.m.)	volcanic emissions
Oct. 2, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.230 ppm (midnight-1 a.m.)	volcanic emissions
Oct. 1, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.087 ppm (11 p.m.-midnight)	volcanic emissions
Sep. 27, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.180 ppm (7-8 a.m.)	volcanic emissions
Sep. 26, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.416 ppm (3-4 a.m.)	volcanic emissions
Sep. 25, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.119 ppm (6-7 a.m.)	volcanic emissions
Sep. 25, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.370 ppm (11 p.m.-midnight)	volcanic emissions
Sep. 24, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.171 ppm (1-2 a.m.)	volcanic emissions
Sep. 24, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.171 ppm (6-7 a.m.)	volcanic emissions
Sep. 23, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.119 ppm (midnight-1 a.m.)	volcanic emissions
Sep. 22, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.194 ppm (11 a.m.-noon)	volcanic emissions
Sep. 22, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.197 ppm (5-6 a.m.)	volcanic emissions
Sep. 20, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.129 ppm (7-8 a.m.)	volcanic emissions
Sep. 19, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.082 ppm (9-10 p.m.)	volcanic emissions
Sep. 19, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.203 ppm (6-7 a.m.)	volcanic emissions
Sep. 18, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.161 ppm (midnight-1 a.m.)	volcanic emissions
Sep. 18, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.105 ppm (1-2 a.m.)	volcanic emissions
Sep. 17, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.232 ppm (11 p.m.-midnight)	volcanic emissions
Sep. 17, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.166 ppm (3-4 a.m.)	volcanic emissions

Sep. 16, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.096 ppm (9-10 p.m.)	volcanic emissions
Sep. 14, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.098 ppm (4-5 a.m.)	volcanic emissions
Sep. 12, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.126 ppm (9-10 a.m.)	volcanic emissions
Sep. 12, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.114 ppm (4-5 a.m.)	volcanic emissions
Sep. 10, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.111 ppm (6-7 a.m.)	volcanic emissions
Sep. 9, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.132 ppm (5-6 a.m.)	volcanic emissions
Sep. 8, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.082 ppm (11 p.m.-midnight)	volcanic emissions
Sep. 7, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.076 ppm (6-7 a.m.)	volcanic emissions
Sep. 6, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.096 ppm (11 p.m.-midnight)	volcanic emissions
Sep. 3, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.117 ppm (8-9 a.m.)	volcanic emissions
Sep. 2, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.143 ppm (7-8 a.m.)	volcanic emissions
Sep. 2, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.366 ppm (6-7 a.m.)	volcanic emissions
Sep. 1, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.269 ppm (10-11 p.m.)	volcanic emissions
Aug. 31, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.141 ppm (2-3 a.m.)	volcanic emissions
Aug. 30, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.132 ppm (9-10 p.m.)	volcanic emissions
Aug. 29, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.116 ppm (10-11 p.m.)	volcanic emissions
Aug. 18, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.088 ppm (11 p.m.-midnight)	volcanic emissions
Aug. 12, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.088 ppm (3-4 a.m.)	volcanic emissions
Aug. 11, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.095 ppm (6-7 p.m.)	volcanic emissions
Aug. 10, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.122 ppm (8-9 a.m.)	volcanic emissions
Aug. 6, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.126 ppm (7-8 a.m.)	volcanic emissions
Aug. 5, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.083 ppm (8-9 a.m.)	volcanic emissions
Aug. 5, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.239 ppm (5-6 a.m.)	volcanic emissions
Aug. 4, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.275 ppm (11 p.m.-midnight)	volcanic emissions
Aug. 3, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.133 ppm (10-11 a.m.)	volcanic emissions
Aug. 3, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.243 ppm (7-8 p.m.)	volcanic emissions
Aug. 2, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.359 ppm (9-10 p.m.)	volcanic emissions
Aug. 2, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.214 ppm (9-10 p.m.)	volcanic emissions
July 31, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.156 ppm (5-6 a.m.)	volcanic emissions
July 29, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.154 ppm (2-3 a.m.)	volcanic emissions
July 29, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.189 ppm (1-2 a.m.)	volcanic emissions
July 28, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.123 ppm (2-3 a.m.)	volcanic emissions

July 27, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.258 ppm (4-5 a.m.)	volcanic emissions
July 26, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.085 ppm (5-6 a.m.)	volcanic emissions
July 25, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.112 ppm (3-4 a.m.)	volcanic emissions
July 24, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.111 ppm (4-5 a.m.)	volcanic emissions
July 23, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.163 ppm (8-9 a.m.)	volcanic emissions
July 23, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.189 ppm (9-10 p.m.)	volcanic emissions
July 22, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.240 ppm (8-9 a.m.)	volcanic emissions
July 21, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.155 ppm (5-6 a.m.)	volcanic emissions
July 20, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.182 ppm (5-6 a.m.)	volcanic emissions
July 19, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.252 ppm (3-4 a.m.)	volcanic emissions
July 18, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.095 ppm (1-2 a.m.)	volcanic emissions
July 16, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.113 ppm (8-9 p.m.)	volcanic emissions
July 15, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.131 ppm (7-8 a.m.)	volcanic emissions
July 14, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.321 ppm (7-8 a.m.)	volcanic emissions
July 13, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.103 ppm (2-3 a.m.)	volcanic emissions
July 12, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.284 ppm (7-8 a.m.)	volcanic emissions
July 10, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.160 ppm (8-9 a.m.)	volcanic emissions
July 10, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.200 ppm (2-3 a.m.)	volcanic emissions
July 9, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.151 ppm (11 p.m.-midnight)	volcanic emissions
July 8, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.123 ppm (7-8 a.m.)	volcanic emissions
July 7, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.202 ppm (3-4 a.m.)	volcanic emissions
July 7, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.157 ppm (2-3 a.m.)	volcanic emissions
July 6, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.377 ppm (10-11 p.m.)	volcanic emissions
July 5, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.091 ppm (7-8 a.m.)	volcanic emissions
July 2, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.080 ppm (10-11 p.m.)	volcanic emissions
July 1, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.086 ppm (4-5 a.m.)	volcanic emissions
June 30, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.098 ppm (11 p.m.-midnight)	volcanic emissions
June 28, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.080 ppm (6-7 a.m.)	volcanic emissions
June 26, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.396 ppm (midnight-1 a.m.)	volcanic emissions
June 25, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.495 ppm (11 p.m.-midnight)	volcanic emissions
June 24, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.087 ppm (6-7 a.m.)	volcanic emissions
June 20, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.123 ppm (5-6 a.m.)	volcanic emissions

June 20, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.301 ppm (6-7 a.m.)	volcanic emissions
June 18, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.284 ppm (midnight-1 a.m.)	volcanic emissions
June 18, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	1.000 ppm (7-8 a.m.)	volcanic emissions
June 17, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.140 ppm (11 a.m.-noon)	volcanic emissions
June 17, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.219 ppm (3-4 a.m.)	volcanic emissions
June 16, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.130 ppm (noon-1 p.m.)	volcanic emissions
June 16, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.090 ppm (midnight-1 a.m.)	volcanic emissions
June 14, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.100 ppm (11 p.m.-midnight)	volcanic emissions
June 11, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.116 ppm (7-8 a.m.)	volcanic emissions
June 10, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.131 ppm (8-9 p.m.)	volcanic emissions
June 10, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.169 ppm (8-9 a.m.)	volcanic emissions
June 9, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.079 ppm (midnight-1 a.m.)	volcanic emissions
June 8, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.105 ppm (7-8 a.m.)	volcanic emissions
May 31, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.303 ppm (6-7 p.m.)	volcanic emissions
May 28, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.113 ppm (7-8 a.m.)	volcanic emissions
May 27, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.182 ppm (midnight-1 a.m.)	volcanic emissions
May 26, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.150 ppm (11 p.m.-midnight)	volcanic emissions
May 24, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.115 ppm (3-4 a.m.)	volcanic emissions
May 23, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.129 ppm (9-10 p.m.)	volcanic emissions
May 22, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.081 ppm (9-10 a.m.)	volcanic emissions
May 22, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.153 ppm (9-10 p.m.)	volcanic emissions
May 21, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.076 ppm (9-10 a.m.)	volcanic emissions
May 21, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.157 ppm (7-8 a.m.)	volcanic emissions
May 20, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.112 ppm (8-9 a.m.)	volcanic emissions
May 17, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.119 ppm (9-10 p.m.)	volcanic emissions
May 16, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.101 ppm (6-7 a.m.)	volcanic emissions
May 15, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.158 ppm (9-10 a.m.)	volcanic emissions
May 11, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.095 ppm (9-10 a.m.)	volcanic emissions
May 11, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.111 ppm (3-4 a.m.)	volcanic emissions
May 7, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.112 ppm (11 p.m.-midnight)	volcanic emissions
May 7, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.100 ppm (1-2 a.m.)	volcanic emissions
May 6, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.131 ppm (7-8 a.m.)	volcanic emissions

Apr. 29, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.088 ppm (3-4 a.m.)	volcanic emissions
Apr. 28, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.104 ppm (7-8 a.m.)	volcanic emissions
Apr. 24, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.083 ppm (5-6 a.m.)	volcanic emissions
Apr. 18, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.087 ppm (8-9 a.m.)	volcanic emissions
Apr. 11, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.084 ppm (8-9 a.m.)	volcanic emissions
Apr. 3, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.082 ppm (2-3 a.m.)	volcanic emissions
Apr. 1, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.097 ppm (5-6 a.m.)	volcanic emissions
Mar. 24, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.121 ppm (7-8 a.m.)	volcanic emissions
Mar. 19, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.087 ppm (5-6 p.m.)	volcanic emissions
Mar. 18, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.098 ppm (8-9 a.m.)	volcanic emissions
Mar. 14, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.077 ppm (1-2 a.m.)	volcanic emissions
Mar. 13, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.076 ppm (2-3 a.m.)	volcanic emissions
Mar. 12, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.102 ppm (3-4 a.m.)	volcanic emissions
Mar. 10, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.144 ppm (1-2 a.m.)	volcanic emissions
Mar. 9, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.162 ppm (8-9 a.m.)	volcanic emissions
Mar. 8, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.140 ppm (5-6 a.m.)	volcanic emissions
Mar. 7, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.165 ppm (10-11 a.m.)	volcanic emissions
Mar. 7, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.137 ppm (4-5 a.m.)	volcanic emissions
Mar. 6, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.094 ppm (3-4 p.m.)	volcanic emissions
Mar. 6, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.204 ppm (4-5 p.m.)	volcanic emissions
Mar. 4, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.333 ppm (noon-1 p.m.)	volcanic emissions
Mar. 4, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.083 ppm (8-9 p.m.)	volcanic emissions
Mar. 3, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.085 ppm (11 p.m.-midnight)	volcanic emissions
Feb. 28, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.089 ppm (3-4 a.m.)	volcanic emissions
Feb. 27, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.210 ppm (5-6 a.m.)	volcanic emissions
Feb. 24, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.106 ppm (9-10 a.m.)	volcanic emissions
Feb. 23, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.109 ppm (2-3 a.m.)	volcanic emissions
Feb. 21, 2011	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.148 ppm (3-4 a.m.)	volcanic emissions
Feb. 21, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.125 ppm (10-11 a.m.)	volcanic emissions
Feb. 19, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.089 ppm (6-7 a.m.)	volcanic emissions
Feb. 18, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.261 ppm (3-4 a.m.)	volcanic emissions
Feb. 16, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.101 ppm (midnight-1 a.m.)	volcanic emissions

Feb. 15, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.101 ppm (midnight-1 a.m.)	volcanic emissions
Feb. 15, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.100 ppm (11 p.m.-midnight)	volcanic emissions
Feb. 14, 2011	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.101 ppm (7-8 a.m.)	volcanic emissions
Feb. 13, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.082 ppm (10-11 a.m.)	volcanic emissions
Feb. 10, 2011	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.145 ppm (11 a.m.-noon)	volcanic emissions
Feb. 10, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.171 ppm (10-11 a.m.)	volcanic emissions
Feb. 10, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.167 ppm (10-11 a.m.)	volcanic emissions
Feb. 7, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.109 ppm (1-2 p.m.)	volcanic emissions
Feb. 7, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.094 ppm (8-9 a.m.)	volcanic emissions
Feb. 4, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.124 ppm (5-6 a.m.)	volcanic emissions
Feb. 4, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.076 ppm (2-3 a.m.)	volcanic emissions
Feb. 3, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.107 ppm (9-10 a.m.)	volcanic emissions
Feb. 3, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.185 ppm (8-9 a.m.)	volcanic emissions
Feb. 2, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.150 ppm (7-8 a.m.)	volcanic emissions
Feb. 1, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.214 ppm (6-7 a.m.)	volcanic emissions
Jan. 31, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.211 ppm (9-10 p.m.)	volcanic emissions
Jan. 31, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.255 ppm (11 p.m.-midnight)	volcanic emissions
Jan. 30, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.099 ppm (9-10 a.m.)	volcanic emissions
Jan. 29, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.278 ppm (4-5 a.m.)	volcanic emissions
Jan. 28, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.118 ppm (9-10 a.m.)	volcanic emissions
Jan. 28, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.341 ppm (8-9 a.m.)	volcanic emissions
Jan. 27, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.103 ppm (6-7 a.m.)	volcanic emissions
Jan. 27, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.265 ppm (5-6 a.m.)	volcanic emissions
Jan. 26, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.102 ppm (2-3 a.m.)	volcanic emissions
Jan. 26, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.085 ppm (10-11 a.m.)	volcanic emissions
Jan. 25, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.088 ppm (7-8 a.m.)	volcanic emissions
Jan. 25, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.302 ppm (1-2 a.m.)	volcanic emissions
Jan. 24, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.089 ppm (8-9 p.m.)	volcanic emissions
Jan. 24, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.165 ppm (5-6 a.m.)	volcanic emissions
Jan. 23, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.118 ppm (9-10 a.m.)	volcanic emissions
Jan. 23, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.164 ppm (9-10 a.m.)	volcanic emissions
Jan. 22, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.097 ppm (5-6 a.m.)	volcanic emissions

Jan. 21, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.097 ppm (5-6 a.m.)	volcanic emissions
Jan. 21, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.163 ppm (5-6 a.m.)	volcanic emissions
Jan. 20, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.458 ppm (9-10 a.m.)	volcanic emissions
Jan. 20, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.168 ppm (6-7 a.m.)	volcanic emissions
Jan. 19, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.547 ppm (7-8 p.m.)	volcanic emissions
Jan. 17, 2011	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.139 ppm (10-11 a.m.)	volcanic emissions
Jan. 17, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.126 ppm (7-8 a.m.)	volcanic emissions
Jan. 17, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.150 ppm (8-9 a.m.)	volcanic emissions
Jan. 17, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.083 ppm (2-3 a.m.)	volcanic emissions
Jan. 16, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.139 ppm (5-6 a.m.)	volcanic emissions
Jan. 16, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.392 ppm (7-8 a.m.)	volcanic emissions
Jan. 15, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.162 ppm (6-7 a.m.)	volcanic emissions
Jan. 14, 2011	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.101 ppm (4-5 a.m.)	volcanic emissions
Jan. 13, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.100 ppm (midnight-1 a.m.)	volcanic emissions
Jan. 12, 2011	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.225 ppm (8-9 a.m.)	volcanic emissions
Jan. 12, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.117 ppm (11 p.m.-midnight)	volcanic emissions
Jan. 10, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.158 ppm (10-11 a.m.)	volcanic emissions
Jan. 9, 2011	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.288 ppm (6-7 a.m.)	volcanic emissions
Jan. 9, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.153 ppm (6-7 a.m.)	volcanic emissions
Jan. 5, 2011	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.094 ppm (6-7 p.m.)	volcanic emissions
Jan. 5, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.101 ppm (9-10 a.m.)	volcanic emissions
Jan. 4, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.131 ppm (9-10 a.m.)	volcanic emissions
Jan. 3, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.143 ppm (8-9 a.m.)	volcanic emissions
Jan. 2, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.149 ppm (10-11a.m.)	volcanic emissions
Jan. 2, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.130 ppm (9-10 p.m.)	volcanic emissions
Jan. 1, 2011	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.103 ppm (11 a.m.-noon)	volcanic emissions
Jan. 1, 2011	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.296 ppm (2-3 a.m.)	volcanic emissions
Jan. 1, 2011	Pearl City, Oahu	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	36 µg/m <sup>3</sup>	New Year's fireworks
Dec. 31, 2010	Pearl City, Oahu	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	40 µg/m <sup>3</sup>	New Year's fireworks
Dec. 31, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.103 ppm (6-7 a.m.)	volcanic emissions
Dec. 29, 2010	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.129 ppm (midnight-1 a.m.)	volcanic emissions
Dec. 29, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.117 ppm (11 p.m.-midnight)	volcanic emissions

Dec. 29, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.393 ppm (2-3 a.m.)	volcanic emissions
Dec. 28, 2010	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.186 ppm (11 p.m.-midnight)	volcanic emissions
Dec. 28, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.102 ppm (9-10 p.m.)	volcanic emissions
Dec. 27, 2010	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.078 ppm (3-4 a.m.)	volcanic emissions
Dec. 26, 2010	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.111 ppm (8-9 a.m.)	volcanic emissions
Dec. 26, 2010	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.091 ppm (10-11 a.m.)	volcanic emissions
Dec. 25, 2010	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.079 ppm (8-9 a.m.)	volcanic emissions
Dec. 24, 2010	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.077 ppm (9-10 a.m.)	volcanic emissions
Dec. 23, 2010	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.091 ppm (10-11 a.m.)	volcanic emissions
Dec. 20, 2010	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.090 ppm (4-5 a.m.)	volcanic emissions
Dec. 18, 2010	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.157 ppm (midnight-1 a.m.)	volcanic emissions
Dec. 18, 2010	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.098 ppm (3-4 a.m.)	volcanic emissions
Dec. 17, 2010	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.137 ppm (11 p.m.-midnight)	volcanic emissions
Dec. 17, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.331 ppm (midnight-1 a.m.)	volcanic emissions
Dec. 16, 2010	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.162 ppm (5-6 a.m.)	volcanic emissions
Dec. 16, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.319 ppm (11 p.m.-midnight)	volcanic emissions
Dec. 15, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.120 ppm (6-7 a.m.)	volcanic emissions
Dec. 14, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.144 ppm (9-10 p.m.)	volcanic emissions
Dec. 14, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg. 3-hour avg.	0.075 ppm 0.5 ppm	0.705 ppm (3-4 a.m.) 0.6 ppm (3-6 a.m.)	volcanic emissions
Dec. 13, 2010	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.084 ppm (8-9 a.m.)	volcanic emissions
Dec. 12, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.124 ppm (9-10 a.m.)	volcanic emissions
Dec. 12, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.353 ppm (1-2 a.m.)	volcanic emissions
Dec. 11, 2010	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.102 ppm (2-3 a.m.)	volcanic emissions
Dec. 11, 2010	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.147 ppm (1-2 a.m.)	volcanic emissions
Dec. 11, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.247 ppm (9-10 a.m.)	volcanic emissions
Dec. 11, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.218 ppm (7-8 a.m.)	volcanic emissions
Dec. 10, 2010	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.136 ppm (midnight-1 a.m.)	volcanic emissions
Dec. 9, 2010	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.159 ppm (6-7 p.m.)	volcanic emissions
Dec. 9, 2010	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.229 ppm (11 p.m.-midnight)	volcanic emissions
Dec. 8, 2010	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.077 ppm (7-8 a.m.)	volcanic emissions
Dec. 6, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.180 ppm (6-7 a.m.)	volcanic emissions

Dec. 5, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.109 ppm (10-11 a.m.)	volcanic emissions
Dec. 5, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.439 ppm (8-9 a.m.)	volcanic emissions
Dec. 4, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.097 ppm (10-11 a.m.)	volcanic emissions
Dec. 4, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.465 ppm (8-9 a.m.)	volcanic emissions
Dec. 3, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.378 ppm (8-9 a.m.)	volcanic emissions
Dec. 3, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.469 ppm (3-4 p.m.)	volcanic emissions
Dec. 2, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.153 ppm (noon-1 p.m.)	volcanic emissions
Dec. 1, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.198 ppm (8-9 a.m.)	volcanic emissions
Dec. 1, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.081 ppm (7-8 a.m.)	volcanic emissions
Nov. 30, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.121 ppm (10-11 a.m.)	volcanic emissions
Nov. 30, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.129 ppm (8-9 a.m.)	volcanic emissions
Nov. 29, 2010	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.183 ppm (5-6 a.m.)	volcanic emissions
Nov. 28, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.088 ppm (2-3 a.m.)	volcanic emissions
Nov. 27, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.142 ppm (5-6 a.m.)	volcanic emissions
Nov. 26, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.125 ppm (6-7 p.m.)	volcanic emissions
Nov. 25, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.113 ppm (9-10 p.m.)	volcanic emissions
Nov. 24, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.077 ppm (3-4 a.m.)	volcanic emissions
Nov. 23, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.130 ppm (midnight-1 a.m.)	volcanic emissions
Nov. 22, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.300 ppm (8-9 a.m.)	volcanic emissions
Nov. 21, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.147 ppm (noon-1 p.m.)	volcanic emissions
Nov. 20, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.091 ppm (8-9 a.m.)	volcanic emissions
Nov. 20, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.089 ppm (8-9 a.m.)	volcanic emissions
Nov. 19, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.076 ppm (midnight-1 a.m.)	volcanic emissions
Nov. 18, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.264 ppm (8-9 a.m.)	volcanic emissions
Nov. 18, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.088 ppm (9-10 a.m.)	volcanic emissions
Nov. 16, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.093 ppm (midnight-1 a.m.)	volcanic emissions
Nov. 15, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.158 ppm (11 p.m.-midnight)	volcanic emissions
Nov. 15, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.162 ppm (8-9 p.m.)	volcanic emissions
Nov. 14, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.132 ppm (10-11 a.m.)	volcanic emissions
Nov. 14, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.269 ppm (midnight-1 a.m.)	volcanic emissions
Nov. 13, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.263 ppm (10-11 p.m.)	volcanic emissions
Nov. 13, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.297 ppm (11 p.m.-midnight)	volcanic emissions

Nov. 12, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.193 ppm (7-8 a.m.)	volcanic emissions
Nov. 11, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.100 ppm (11 a.m.-noon)	volcanic emissions
Nov. 11, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.088 ppm (9-10 a.m.)	volcanic emissions
Nov. 10, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.085 ppm (10-11 a.m.)	volcanic emissions
Nov. 10, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.481 ppm (5-6 a.m.)	volcanic emissions
Nov. 9, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.122 ppm (11 p.m.-midnight)	volcanic emissions
Nov. 9, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.140 ppm (11 a.m.-noon)	volcanic emissions
Nov. 8, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.128 ppm (midnight -1 a.m.)	volcanic emissions
Nov. 7, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.174 ppm (11 p.m.-midnight)	volcanic emissions
Nov. 6, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.127 ppm (6-7 a.m.)	volcanic emissions
Nov. 6, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.317 ppm (8-9 p.m.)	volcanic emissions
Nov. 5, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.088 ppm (9-10 a.m.)	volcanic emissions
Nov. 5, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.143 ppm (6-7 a.m.)	volcanic emissions
Nov. 4, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.143 ppm (9-10 p.m.)	volcanic emissions
Nov. 3, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.080 ppm (9-10 a.m.)	volcanic emissions
Nov. 2, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.093 ppm (10-11a.m.)	volcanic emissions
Nov. 2, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.167 ppm (9-10 a.m.)	volcanic emissions
Nov. 1, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.103 ppm (5-6 a.m.)	volcanic emissions
Oct. 31, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.088 ppm (6-7 a.m.)	volcanic emissions
Oct. 29, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.125 ppm (8-9 a.m.)	volcanic emissions
Oct. 28, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.082 ppm (9-10 p.m.)	volcanic emissions
Oct. 27, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.129 ppm (3-4 p.m.)	volcanic emissions
Oct. 27, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.136 ppm (9-10 a.m.)	volcanic emissions
Oct. 26, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.220 ppm (11 a.m.-noon)	volcanic emissions
Oct. 26, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.849 ppm (5-6 p.m.)	volcanic emissions
Oct. 25, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.125 ppm (10-11 a.m.)	volcanic emissions
Oct. 25, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 1-hour avg.	0.14 ppm 0.075 ppm	0.16 ppm 0.643 ppm (10-11 p.m.)	volcanic emissions
Oct. 24, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.169 ppm (8-9 p.m.)	volcanic emissions
Oct. 23, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.183 ppm (3-4 a.m.)	volcanic emissions
Oct. 22, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.137 ppm (7-8 a.m.)	volcanic emissions
Oct. 20, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.088 ppm (8-9 a.m.)	volcanic emissions

Oct. 19, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.210 ppm (8-9 a.m.)	volcanic emissions
Oct. 19, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.644 ppm (6-7 a.m.)	volcanic emissions
Oct. 18, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.497 ppm (4-5 a.m.)	volcanic emissions
Oct. 17, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.127 ppm (7-8 a.m.)	volcanic emissions
Oct. 16, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.161 ppm (1-2 a.m.)	volcanic emissions
Oct. 14, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.158 ppm (6-7 a.m.)	volcanic emissions
Oct. 13, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.252 ppm (8-9 p.m.)	volcanic emissions
Oct. 13, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.743 ppm (7-8 p.m.)	volcanic emissions
Oct. 12, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.138 ppm (7-8 a.m.)	volcanic emissions
Oct. 11, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.123 ppm (11 p.m.-midnight)	volcanic emissions
Oct. 10, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.103 ppm (3-4 a.m.)	volcanic emissions
Oct. 9, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.369 ppm (4-5 a.m.)	volcanic emissions
Oct. 8, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.274 ppm (3-4 a.m.)	volcanic emissions
Oct. 7, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.598 ppm (8-9 a.m.)	volcanic emissions
Oct. 6, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.119 ppm (9-10 p.m.)	volcanic emissions
Oct. 5, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.207 ppm (9-10 a.m.)	volcanic emissions
Oct. 5, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.452 ppm (1-2 a.m.)	volcanic emissions
Oct. 4, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.280 ppm (9-10 a.m.)	volcanic emissions
Oct. 4, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.243 ppm (5-6 a.m.)	volcanic emissions
Oct. 3, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.271 ppm (10-11 a.m.)	volcanic emissions
Oct. 3, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.390 ppm (10-11 p.m.)	volcanic emissions
Sep. 29, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.194 ppm (6-7 a.m.)	volcanic emissions
Sep. 29, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.184 ppm (5-6 a.m.)	volcanic emissions
Sep. 28, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.087 ppm (10-11a.m.)	volcanic emissions
Sep. 28, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.317 ppm (4-5 a.m.)	volcanic emissions
Sep. 27, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.309 ppm (3-4 a.m.)	volcanic emissions
Sep. 27, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.284 ppm (5-6 a.m.)	volcanic emissions
Sep. 26, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.197 ppm (8-9 a.m.)	volcanic emissions
Sep. 26, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.110 ppm (8-9 a.m.)	volcanic emissions
Sep. 25, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.159 ppm (10-11 p.m.)	volcanic emissions
Sep. 24, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.176 ppm (midnight-1 a.m.)	volcanic emissions
Sep. 23, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.158 ppm (1-2 a.m.)	volcanic emissions

Sep. 22, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.087 ppm (8-9 a.m.)	volcanic emissions
Sep. 22, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.081 ppm (5-6 a.m.)	volcanic emissions
Sep. 21, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.254 ppm (midnight-1 a.m.)	volcanic emissions
Sep. 21, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 1-hour avg.	0.14 ppm 0.075 ppm	0.20 ppm 0.582 ppm (7-8 a.m.)	volcanic emissions
Sep. 20, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.189 ppm (11 p.m.-midnight)	volcanic emissions
Sep. 19, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.101 ppm (12-1 a.m.)	volcanic emissions
Sep. 18, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.472 ppm (7-8 a.m.)	volcanic emissions
Sep. 17, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.217 ppm (11 p.m.-midnight)	volcanic emissions
Sep. 16, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.296 ppm (1-2 a.m.)	volcanic emissions
Sep. 15, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.353 ppm (7-8 a.m.)	volcanic emissions
Sep. 13, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.124 ppm (6-7 a.m.)	volcanic emissions
Sep. 13, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.196 ppm (7-8 a.m.)	volcanic emissions
Sep. 12, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.099 ppm (11 p.m.-midnight)	volcanic emissions
Sep. 11, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.088 ppm (10-11 p.m.)	volcanic emissions
Sep. 11, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.436 ppm (4-5 a.m.)	volcanic emissions
Sep. 9, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.361 ppm (2-3 a.m.)	volcanic emissions
Sep. 8, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.126 ppm (3-4 a.m.)	volcanic emissions
Sep. 7, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.205 ppm (9-10 a.m.)	volcanic emissions
Sep. 6, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.101 ppm (1-2 a.m.)	volcanic emissions
Sep. 5, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.132 ppm (8-9 a.m.)	volcanic emissions
Sep. 4, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.225 ppm (2-3 a.m.)	volcanic emissions
Sep. 3, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.228 ppm (9-10 a.m.)	volcanic emissions
Sep. 3, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.380 ppm (6-7 a.m.)	volcanic emissions
Sep. 2, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.112 ppm (8-9 a.m.)	volcanic emissions
Sep. 2, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.199 ppm (midnight-1 a.m.)	volcanic emissions
Sep. 1, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.202 ppm (11 p.m.-midnight)	volcanic emissions
Aug. 31, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.146 ppm (9-10 a.m.)	volcanic emissions
Aug. 30, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.345 ppm (2-3 a.m.)	volcanic emissions
Aug. 29, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.132 ppm (8-9 a.m.)	volcanic emissions
Aug. 27, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.150 ppm (8-9 a.m.)	volcanic emissions
Aug. 27, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.246 ppm (1-2 a.m.)	volcanic emissions

Aug. 26, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.125 ppm (6-7 a.m.)	volcanic emissions
Aug. 26, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.343 ppm (5-6 a.m.)	volcanic emissions
Aug. 25, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.095 ppm (9-10 a.m.)	volcanic emissions
Aug. 25, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.177 ppm (9-10 a.m.)	volcanic emissions
Aug. 24, 2010	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.154 ppm (10-11 a.m.)	volcanic emissions
Aug. 24, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.117 ppm (11 p.m.-midnight)	volcanic emissions
Aug. 23, 2010	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	0.075 ppm	0.300 ppm (4-5 a.m.)	volcanic emissions
July 25, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.17 ppm	volcanic emissions
July 23, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.16 ppm 0.6 ppm (3-6 a.m.)	volcanic emissions
June 22, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.21 ppm	volcanic emissions
June 3, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm 0.5 ppm	0.21 ppm 0.6 ppm (3-6 a.m.) 1.0 ppm (6-9 a.m.)	volcanic emissions
May 29, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.17 ppm	volcanic emissions
May 27, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.15 ppm 0.8 ppm (3-6 a.m.)	volcanic emissions
May 22, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
May 20, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
May 9, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
May 7, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.17 ppm	volcanic emissions
May 6, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.22 ppm 0.6 ppm (6-9 p.m.)	volcanic emissions
April 27, 2010	Ocean View, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
March 21, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm 0.5 ppm	0.20 ppm 0.6 ppm (3-6 a.m.) 0.6 ppm (6-9 a.m.)	volcanic emissions
March 20, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
March 19, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.22 ppm	volcanic emissions
March 10, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.17 ppm	volcanic emissions
March 9, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.16 ppm	volcanic emissions
March 8, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
March 6, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.17 ppm	volcanic emissions
March 5, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.23 ppm 0.7 ppm (6-9 p.m.)	volcanic emissions

March 4, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.20 ppm	volcanic emissions
March 3, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
March 2, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.17 ppm	volcanic emissions
March 1, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
Feb. 28, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.18 ppm	volcanic emissions
Feb. 27, 2010	Pahala, Hawaii	SO <sub>2</sub>	3-hour avg.	0.5 ppm	0.7 ppm (6-9 a.m.)	volcanic emissions
Feb. 25, 2010	Kona, Hawaii	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	36 µg/m <sup>3</sup>	volcanic emissions
Feb. 24, 2010	Hilo, Hawaii	SO <sub>2</sub>	3-hour avg.	0.5 ppm	0.7 ppm (6-9 a.m.)	volcanic emissions
Feb. 18, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.19 ppm	volcanic emissions
Feb. 11, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
Feb. 10, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.20 ppm	volcanic emissions
Feb. 8, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.18 ppm 0.6 ppm (3-6 a.m.)	volcanic emissions
Feb. 6, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
Feb. 5, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.19 ppm	volcanic emissions
Jan. 31, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.20 ppm 0.8 ppm (6-9 a.m.)	volcanic emissions
Jan. 27, 2010	Mountain View, Hawaii	PM <sub>2.5</sub> SO <sub>2</sub> SO <sub>2</sub>	24-hour avg. 24-hour avg. 3-hour avg.	35 µg/m <sup>3</sup> 0.14 ppm 0.5 ppm	43 µg/m <sup>3</sup> 0.22 ppm 1.0 ppm (6-9 a.m.)	volcanic emissions
Jan. 24, 2010	Mountain View, Hawaii	PM <sub>2.5</sub> SO <sub>2</sub> SO <sub>2</sub>	24-hour avg. 24-hour avg. 3-hour avg.	35 µg/m <sup>3</sup> 0.14 ppm 0.5 ppm	38 µg/m <sup>3</sup> 0.22 ppm 0.8 ppm (midnight-3 a.m.)	volcanic emissions
Jan. 22, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm 0.5 ppm	0.22 ppm 0.6 ppm (3-6 a.m.) 0.6 ppm (6-9 a.m.)	volcanic emissions
Jan. 20, 2010	Pahala, Hawaii	PM <sub>2.5</sub> SO <sub>2</sub> SO <sub>2</sub> SO <sub>2</sub> SO <sub>2</sub>	24-hour avg. 24-hour avg. 3-hour avg. 3-hour avg. 3-hour avg.	35 µg/m <sup>3</sup> 0.14 ppm 0.5 ppm 0.5 ppm 0.5 ppm	47 µg/m <sup>3</sup> 0.52 ppm 0.9 ppm (midnight-3 a.m.) 1.0 ppm (3-6 a.m.) 0.9 ppm (6-9 a.m.) 0.7 ppm (9 a.m.-noon)	volcanic emissions
Jan. 19, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
Jan. 18, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.24 ppm 0.7 ppm (6-9 a.m.)	volcanic emissions
Jan. 17, 2010	Mountain View, Hawaii	PM <sub>2.5</sub> SO <sub>2</sub> SO <sub>2</sub>	24-hour avg. 24-hour avg. 3-hour avg.	35 µg/m <sup>3</sup> 0.14 ppm 0.5 ppm	38 µg/m <sup>3</sup> 0.16 ppm 0.7 ppm (6-9 a.m.)	volcanic emissions

Jan. 17, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.23 ppm 0.7 ppm (midnight-3 a.m.)	volcanic emissions
Jan. 16, 2010	Kona, Hawaii	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	37 µg/m <sup>3</sup>	volcanic emissions and wild brushfires
Jan. 15, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg. 3-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm 0.5 ppm 0.5 ppm	0.40 ppm 0.7 ppm (3-6 a.m.) 0.8 ppm (6-9 a.m.) 0.9 ppm (9 a.m.-noon)	volcanic emissions
Jan. 14, 2010	Pahala, Hawaii	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	36 µg/m <sup>3</sup>	volcanic emissions
Jan. 10, 2010	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm 0.5 ppm	0.26 ppm 1.0 ppm (3-6 a.m.) 0.7 ppm (6-9 a.m.)	volcanic emissions
Jan. 9, 2010	Hilo, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm 0.5 ppm	0.21 ppm 0.7 ppm (3-6 a.m.) 0.7 ppm (6-9 a.m.)	volcanic emissions
Jan. 9, 2010	Mountain View, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.21 ppm 0.8 ppm (3-6 a.m.)	volcanic emissions
Jan. 9, 2010	Kona, Hawaii	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	38 µg/m <sup>3</sup>	volcanic emissions and wild brushfires
Jan. 8, 2010	Kona, Hawaii	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	63 µg/m <sup>3</sup>	volcanic emissions and wild brushfires
Jan. 7, 2010	Kona, Hawaii	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	39 µg/m <sup>3</sup>	volcanic emissions and wild brushfires
Jan. 4, 2010	Mountain View, Hawaii	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	36 µg/m <sup>3</sup>	volcanic emissions
Jan. 2, 2010	Kona, Hawaii	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	37 µg/m <sup>3</sup>	volcanic emissions and wild brushfires
Jan. 1, 2010	Honolulu, Oahu	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	62 µg/m <sup>3</sup>	New Year's fireworks
Jan. 1, 2010	Pearl City, Oahu	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	45 µg/m <sup>3</sup>	New Year's fireworks
Jan. 1, 2010	Sand Island, Oahu	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	36 µg/m <sup>3</sup>	New Year's fireworks
Dec. 31, 2009	Mountain View, Hawaii	PM <sub>2.5</sub> SO <sub>2</sub>	24-hour avg. 24-hour avg.	35 µg/m <sup>3</sup> 0.14 ppm	58 µg/m <sup>3</sup> 0.21 ppm	volcanic emissions
Dec. 27, 2009	Kona, Hawaii	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	48 µg/m <sup>3</sup>	wild brushfires
Dec. 25, 2009	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.19 ppm	volcanic emissions
Dec. 24, 2009	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.17 ppm	volcanic emissions
Dec. 23, 2009	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.16 ppm	volcanic emissions
Dec. 19, 2009	Kona, Hawaii	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	47 µg/m <sup>3</sup>	wild brushfires
Dec. 18, 2009	Kona, Hawaii	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	63 µg/m <sup>3</sup>	wild brushfires
Dec. 15, 2009	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.17 ppm	volcanic emissions

Dec. 11, 2009	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.17 ppm	volcanic emissions
Dec. 10, 2009	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
Dec. 10, 2009	Kona, Hawaii	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	36 µg/m <sup>3</sup>	volcanic emissions
Dec. 9, 2009	Pahala, Hawaii	SO <sub>2</sub>	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.18 ppm 0.6 ppm (3-6 a.m.)	volcanic emissions

ppm = unit of the standard is in parts per million

µg/m<sup>3</sup> = unit of the standard is in micrograms per cubic meter of air