

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 **2012** exceedances due to an exceptional or natural event. For a listing of exceedances in other years, please see the Department of Health, Clean Air Branch web page.

The PM_{2.5} annual standard is 15 µg/m³; the 3-year average concentration must not exceed the standard. The 2012 annual average at the Kona station was 16 µg/m³; the 3-year average from 2010 to 2012 was 15.5 µg/m³, which exceeded the standard. A new standard of 12 µg/m³ went into effect on December 14, 2012.

DATE	MONITORING STATION LOCATION & ISLAND	AIR POLLUTANT	STANDARD TYPE	STANDARD LIMIT	ACTUAL	CAUSE
Dec. 30, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.088 ppm (8-9 a.m.)	volcanic emissions
Dec. 30, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.208 ppm (3-4 a.m.)	volcanic emissions
Dec. 29, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.267 ppm (9-10 p.m.)	volcanic emissions
Dec. 29, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.095 ppm (3-4 a.m.)	volcanic emissions
Dec. 28, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.087 ppm (3-4 a.m.)	volcanic emissions
Dec. 27, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.293 ppm (5-6 a.m.)	volcanic emissions
Dec. 26, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.566 ppm (4-5 a.m.)	volcanic emissions
Dec. 26, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.552 ppm (3-4 a.m.)	volcanic emissions
Dec. 25, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.167 ppm (2-3 a.m.)	volcanic emissions
Dec. 24, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.108 ppm (7-8 a.m.)	volcanic emissions
Dec. 24, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.246 ppm (midnight-1 a.m.)	volcanic emissions
Dec. 23, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.162 ppm (6-7 a.m.)	volcanic emissions
Dec. 23, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.134 ppm (7-8 a.m.)	volcanic emissions
Dec. 22, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.088 ppm (10-11 a.m.)	volcanic emissions
Dec. 22, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.240 ppm (midnight-1 a.m.)	volcanic emissions
Dec. 21, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.133 ppm (3-4 p.m.)	volcanic emissions
Dec. 21, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.368 ppm (10-11 a.m.)	volcanic emissions
Dec. 20, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.103 ppm (2-3 p.m.)	volcanic emissions
Dec. 20, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.304 ppm (8-9 p.m.)	volcanic emissions
Dec. 19, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.102 ppm (5-6 p.m.)	volcanic emissions
Dec. 19, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.267 ppm (4-5 p.m.)	volcanic emissions
Dec. 18, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.250 ppm (7-8 a.m.)	volcanic emissions
Dec. 17, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.687 ppm (10-11 a.m.)	volcanic emissions
Dec. 16, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.228 ppm (6-7 a.m.)	volcanic emissions
Dec. 15, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.153 ppm (noon-1 p.m.)	volcanic emissions

Dec. 15, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.399 ppm (3-4 a.m.)	volcanic emissions
Dec. 14, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.225 ppm (5-6 p.m.)	volcanic emissions
Dec. 14, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.474 ppm (10-11 a.m.)	volcanic emissions
Dec. 13, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.367 ppm (4-5 p.m.)	volcanic emissions
Dec. 12, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.502 ppm (6-7 p.m.)	volcanic emissions
Dec. 11, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.105 ppm (6-7 a.m.)	volcanic emissions
Dec. 11, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.275 ppm (9-10 a.m.)	volcanic emissions
Dec. 10, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.140 ppm (5-6 p.m.)	volcanic emissions
Dec. 10, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.154 ppm (2-3 a.m.)	volcanic emissions
Dec. 8, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.434 ppm (8-9 a.m.)	volcanic emissions
Dec. 7, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.191 ppm (9-10 a.m.)	volcanic emissions
Dec. 7, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.269 ppm (1-2 a.m.)	volcanic emissions
Dec. 6, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.179 ppm (10-11 a.m.)	volcanic emissions
Dec. 6, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.393 ppm (8-9 a.m.)	volcanic emissions
Dec. 5, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.081 ppm (8-9 a.m.)	volcanic emissions
Dec. 5, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.206 ppm (1-2 a.m.)	volcanic emissions
Dec. 4, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.078 ppm (7-8 a.m.)	volcanic emissions
Dec. 4, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.126 ppm (5-6 a.m.)	volcanic emissions
Dec. 2, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.220 ppm (2-3 a.m.)	volcanic emissions
Dec. 2, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.121 ppm (4-5 p.m.)	volcanic emissions
Dec. 1, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.227 ppm (11 p.m.-midnight)	volcanic emissions
Dec. 1, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.150 ppm (11 a.m.-noon)	volcanic emissions
Dec. 1, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.508 ppm (6-7 a.m.)	volcanic emissions
Nov. 30, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.088 ppm (10-11 a.m.)	volcanic emissions
Nov. 30, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.311 ppm (7-8 a.m.)	volcanic emissions
Nov. 29, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.173 ppm (8-9 a.m.)	volcanic emissions
Nov. 29, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.277 ppm (6-7 a.m.)	volcanic emissions
Nov. 29, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.140 ppm (9-10 a.m.)	volcanic emissions
Nov. 28, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.296 ppm (7-8 a.m.)	volcanic emissions
Nov. 27, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.079 ppm (8-9 a.m.)	volcanic emissions
Nov. 27, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.131 ppm (9-10 a.m.)	volcanic emissions
Nov. 26, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.174 ppm (9-10 a.m.)	volcanic emissions
Nov. 25, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.286 ppm (4-5 a.m.)	volcanic emissions
Nov. 24, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.153 ppm (8-9 a.m.)	volcanic emissions
Nov. 24, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.159 ppm (5-6 a.m.)	volcanic emissions
Nov. 23, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.108 ppm (8-9 a.m.)	volcanic emissions

Nov. 22, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.452 ppm (8-9 a.m.)	volcanic emissions
Nov. 19, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.089 ppm (4-5 a.m.)	volcanic emissions
Nov. 18, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.240 ppm (10-11 a.m.)	volcanic emissions
Nov. 18, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.153 ppm (8-9 a.m.)	volcanic emissions
Nov. 17, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.299 ppm (7-8 p.m.)	volcanic emissions
Nov. 16, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.084 ppm (8-9 p.m.)	volcanic emissions
Nov. 16, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.343 ppm (11 p.m.-midnight)	volcanic emissions
Nov. 15, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.340 ppm (9-10 a.m.)	volcanic emissions
Nov. 14, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.141 ppm (8-9 p.m.)	volcanic emissions
Nov. 13, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.208 ppm (7-8 a.m.)	volcanic emissions
Nov. 12, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.198 ppm (9-10 p.m.)	volcanic emissions
Nov. 12, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.205 ppm (8-9 a.m.)	volcanic emissions
Nov. 11, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.203 ppm (6-7 p.m.)	volcanic emissions
Nov. 10, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.416 ppm (8-9 a.m.)	volcanic emissions
Nov. 9, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.130 ppm (8-9 a.m.)	volcanic emissions
Nov. 8, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.188 ppm (midnight-1 a.m.)	volcanic emissions
Nov. 7, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.185 ppm (5-6 a.m.)	volcanic emissions
Nov. 6, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.080 ppm (9-10 p.m.)	volcanic emissions
Nov. 6, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.145 ppm (9-10 p.m.)	volcanic emissions
Nov. 5, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.214 ppm (7-8 a.m.)	volcanic emissions
Nov. 5, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.818 ppm (6-7 a.m.)	volcanic emissions
Nov. 4, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.256 ppm (6-7 a.m.)	volcanic emissions
Nov. 4, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.083 ppm (6-7 a.m.)	volcanic emissions
Nov. 4, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.132 ppm (5-6 a.m.)	volcanic emissions
Nov. 4, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.098 ppm (4-5 a.m.)	volcanic emissions
Nov. 3, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.258 ppm (8-9 a.m.)	volcanic emissions
Nov. 3, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.496 ppm (7-8 a.m.)	volcanic emissions
Nov. 2, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.109 ppm (9-10 a.m.)	volcanic emissions
Nov. 2, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.509 ppm (8-9 a.m.)	volcanic emissions
Nov. 1, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.564 ppm (8-9 a.m.)	volcanic emissions
Oct. 31, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.174 ppm (7-8 a.m.)	volcanic emissions
Oct. 30, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.151 ppm (7-8 a.m.)	volcanic emissions
Oct. 30, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.224 ppm (8-9 a.m.)	volcanic emissions
Oct. 29, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.212 ppm (4-5 a.m.)	volcanic emissions
Oct. 28, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.102 ppm (7-8 a.m.)	volcanic emissions
Oct. 26, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.213 ppm (8-9 a.m.)	volcanic emissions

Oct. 26, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.150 ppm (7-8 a.m.)	volcanic emissions
Oct. 25, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.124 ppm (8-9 a.m.)	volcanic emissions
Oct. 22, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.096 ppm (8-9 a.m.)	volcanic emissions
Oct. 21, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.133 ppm (7-8 a.m.)	volcanic emissions
Oct. 20, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.134 ppm (7-8 a.m.)	volcanic emissions
Oct. 19, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.103 ppm (midnight-1 a.m.)	volcanic emissions
Oct. 19, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.076 ppm (11 p.m.-midnight)	volcanic emissions
Oct. 18, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.155 ppm (9-10 p.m.)	volcanic emissions
Oct. 18, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.257 ppm (5-6 a.m.)	volcanic emissions
Oct. 17, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.137 ppm (3-4 a.m.)	volcanic emissions
Oct. 17, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.091 ppm (10-11 p.m.)	volcanic emissions
Oct. 16, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.113 ppm (8-9 a.m.)	volcanic emissions
Oct. 16, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.256 ppm (7-8 a.m.)	volcanic emissions
Oct. 14, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.633 ppm (1-2 a.m.)	volcanic emissions
Oct. 13, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.077 ppm (1-2 a.m.)	volcanic emissions
Oct. 13, 2012	Pahala, Hawaii	SO ₂	24-hour avg. 1-hour avg.	0.14 ppm 0.075 ppm	0.20 ppm 0.640 ppm (1-2 a.m.)	volcanic emissions
Oct. 12, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.207 ppm (6-7 a.m.)	volcanic emissions
Oct. 12, 2012	Pahala, Hawaii	SO ₂	24-hour avg. 3-hour avg. 1-hour avg.	0.14 ppm 0.5 ppm 0.075 ppm	0.21 ppm 0.6 ppm (midnight-3 a.m.) 0.673 ppm (midnight-1 a.m.)	volcanic emissions
Oct. 11, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.208 ppm (11 p.m.-midnight)	volcanic emissions
Oct. 9, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.224 ppm (9-10 a.m.)	volcanic emissions
Oct. 9, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.280 ppm (6-7 a.m.)	volcanic emissions
Oct. 8, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.086 ppm (8-9 a.m.)	volcanic emissions
Oct. 8, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.114 ppm (11 a.m.-noon)	volcanic emissions
Oct. 8, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.105 ppm (1-2 a.m.)	volcanic emissions
Oct. 7, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.140 ppm (9-10 a.m.)	volcanic emissions
Oct. 5, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.162 ppm (7-8 a.m.)	volcanic emissions
Oct. 5, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.076 ppm (7-8 a.m.)	volcanic emissions
Oct. 3, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.425 ppm (10-11 a.m.)	volcanic emissions
Oct. 1, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.150 ppm (6-7 a.m.)	volcanic emissions
Sep. 30, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.097 ppm (8-9 a.m.)	volcanic emissions
Sep. 29, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.077 ppm (5-6 a.m.)	volcanic emissions
Sep. 29, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.169 ppm (6-7 a.m.)	volcanic emissions
Sep. 28, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.121 ppm (1-2 a.m.)	volcanic emissions
Sep. 26, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.132 ppm (7-8 a.m.)	volcanic emissions

Sep. 25, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.105 ppm (8-9 a.m.)	volcanic emissions
Sep. 24, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.117 ppm (midnight-1 a.m.)	volcanic emissions
Sep. 24, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.255 ppm (4-5 a.m.)	volcanic emissions
Sep. 23, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.641 ppm (11 p.m.-midnight)	volcanic emissions
Sep. 22, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.127 ppm (3-4 a.m.)	volcanic emissions
Sep. 20, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.126 ppm (4-5 a.m.)	volcanic emissions
Sep. 20, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.129 ppm (11 p.m.-midnight)	volcanic emissions
Sep. 19, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.101 ppm (8-9 a.m.)	volcanic emissions
Sep. 18, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.134 ppm (10-11 p.m.)	volcanic emissions
Sep. 17, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.108 ppm (4-5 a.m.)	volcanic emissions
Sep. 17, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.218 ppm (8-9 p.m.)	volcanic emissions
Sep. 15, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.125 ppm (8-9 a.m.)	volcanic emissions
Sep. 15, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.226 ppm (2-3 a.m.)	volcanic emissions
Sep. 14, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.186 ppm (6-7 a.m.)	volcanic emissions
Sep. 13, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.229 ppm (8-9 p.m.)	volcanic emissions
Sep. 13, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.555 ppm (8-9 a.m.)	volcanic emissions
Sep. 12, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.187 ppm (8-9 a.m.)	volcanic emissions
Sep. 12, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.277 ppm (7-8 p.m.)	volcanic emissions
Sep. 11, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.180 ppm (8-9 p.m.)	volcanic emissions
Sep. 11, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.373 ppm (6-7 p.m.)	volcanic emissions
Sep. 10, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.357 ppm (7-8 p.m.)	volcanic emissions
Sep. 10, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.624 ppm (9-10 p.m.)	volcanic emissions
Sep. 9, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.083 ppm (7-8 p.m.)	volcanic emissions
Sep. 9, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.309 ppm (2-3 a.m.)	volcanic emissions
Sep. 8, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.099 ppm (3-4 a.m.)	volcanic emissions
Sep. 8, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.139 ppm (7-8 a.m.)	volcanic emissions
Sep. 7, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.245 ppm (4-5 a.m.)	volcanic emissions
Sep. 6, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.155 ppm (8-9 a.m.)	volcanic emissions
Sep. 6, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.281 ppm (5-6 a.m.)	volcanic emissions
Sep. 5, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.258 ppm (11 p.m.-midnight)	volcanic emissions
Sep. 5, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.266 ppm (11 p.m.-midnight)	volcanic emissions
Sep. 4, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.079 ppm (midnight-1 a.m.)	volcanic emissions
Sep. 3, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.935 ppm (7-8 a.m.)	volcanic emissions
Sep. 2, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.140 ppm (8-9 p.m.)	volcanic emissions
Sep. 2, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.352 ppm (6-7 p.m.)	volcanic emissions
Sep. 1, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.232 ppm (9-10 p.m.)	volcanic emissions

Aug. 31, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.305 ppm (7-8 p.m.)	volcanic emissions
Aug. 30, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.186 ppm (8-9 p.m.)	volcanic emissions
Aug. 29, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.140 ppm (3-4 a.m.)	volcanic emissions
Aug. 29, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.107 ppm (10-11 p.m.)	volcanic emissions
Aug. 27, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.080 ppm (7-8 a.m.)	volcanic emissions
Aug. 26, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.249 ppm (7-8 a.m.)	volcanic emissions
Aug. 25, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.124 ppm (7-8 p.m.)	volcanic emissions
Aug. 24, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.422 ppm (1-2 a.m.)	volcanic emissions
Aug. 23, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.106 ppm (11 p.m.-midnight)	volcanic emissions
Aug. 20, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.152 ppm (11 a.m.-noon)	volcanic emissions
Aug. 18, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.091 ppm (8-9 p.m.)	volcanic emissions
Aug. 17, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.359 ppm (7-8 a.m.)	volcanic emissions
Aug. 16, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.079 ppm (1-2 a.m.)	volcanic emissions
Aug. 16, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.423 ppm (midnight-1 a.m.)	volcanic emissions
Aug. 15, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.159 ppm (9-10 p.m.)	volcanic emissions
Aug. 15, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.104 ppm (8-9 a.m.)	volcanic emissions
Aug. 14, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.153 ppm (9-10 a.m.)	volcanic emissions
Aug. 11, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.140 ppm (6-7 a.m.)	volcanic emissions
Aug. 11, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.179 ppm (8-9 a.m.)	volcanic emissions
Aug. 9, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.086 ppm (8-9 a.m.)	volcanic emissions
Aug. 9, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.368 ppm (3-4 a.m.)	volcanic emissions
Aug. 8, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.124 ppm (8-9 a.m.)	volcanic emissions
Aug. 8, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.250 ppm (8-9 a.m.)	volcanic emissions
Aug. 7, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.086 ppm (8-9 a.m.)	volcanic emissions
Aug. 5, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.162 ppm (5-6 a.m.)	volcanic emissions
Aug. 4, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.127 ppm (8-9 a.m.)	volcanic emissions
Aug. 3, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.078 ppm (6-7 a.m.)	volcanic emissions
Aug. 2, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.104 ppm (6-7 a.m.)	volcanic emissions
July 30, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.099 ppm (3-4 a.m.)	volcanic emissions
July 29, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.099 ppm (5-6 a.m.)	volcanic emissions
July 29, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.243 ppm (8-9 a.m.)	volcanic emissions
July 28, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.111 ppm (5-6 a.m.)	volcanic emissions
July 27, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.127 ppm (9-10 a.m.)	volcanic emissions
July 27, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.090 ppm (9-10 p.m.)	volcanic emissions

July 26, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.183 ppm (8-9 p.m.)	volcanic emissions
July 26, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.164 ppm (8-9 p.m.)	volcanic emissions
July 25, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.609 ppm (8-9 a.m.)	volcanic emissions
July 24, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.088 ppm (6-7 a.m.)	volcanic emissions
July 23, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.107 ppm (8-9 p.m.)	volcanic emissions
July 21, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.111 ppm (7-8 a.m.)	volcanic emissions
July 21, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.250 ppm (9-10 p.m.)	volcanic emissions
July 20, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.179 ppm (8-9 a.m.)	volcanic emissions
July 20, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.132 ppm (7-8 a.m.)	volcanic emissions
July 19, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.082 ppm (4-5 a.m.)	volcanic emissions
July 19, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.077 ppm (4-5 a.m.)	volcanic emissions
July 17, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.145 ppm (7-8 a.m.)	volcanic emissions
July 16, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.568 ppm (7-8 a.m.)	volcanic emissions
July 15, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.107 ppm (8-9 p.m.)	volcanic emissions
July 15, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.614 ppm (10-11 p.m.)	volcanic emissions
July 14, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.133 ppm (midnight-1 a.m.)	volcanic emissions
July 13, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.143 ppm (11 p.m.-midnight)	volcanic emissions
July 12, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.146 ppm (9-10 a.m.)	volcanic emissions
July 12, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.664 ppm (7-8 a.m.)	volcanic emissions
July 11, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.086 ppm (7-8 a.m.)	volcanic emissions
July 11, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.180 ppm (9-10 p.m.)	volcanic emissions
July 10, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.353 ppm (5-6 p.m.)	volcanic emissions
July 9, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.436 ppm (6-7 p.m.)	volcanic emissions
July 8, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.276 ppm (2-3 a.m.)	volcanic emissions
July 7, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.222 ppm (11 p.m.-midnight)	volcanic emissions
July 6, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.088 ppm (11 p.m.-midnight)	volcanic emissions
July 5, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.139 ppm (1-2 a.m.)	volcanic emissions
July 4, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.078 ppm (7-8 p.m.)	volcanic emissions
July 3, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.313 ppm (midnight-1 a.m.)	volcanic emissions
July 3, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.089 ppm (1-2 a.m.)	volcanic emissions
July 2, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.362 ppm (8-9 a.m.)	volcanic emissions
July 2, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.165 ppm (7-8 a.m.)	volcanic emissions
July 1, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.197 ppm (7-8 a.m.)	volcanic emissions
June 30, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.189 ppm (5-6 a.m.)	volcanic emissions

June 29, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.197 ppm (8-9 a.m.)	volcanic emissions
June 29, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.339 ppm (7-8 a.m.)	volcanic emissions
June 28, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.126 ppm (4-5 a.m.)	volcanic emissions
June 28, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.081 ppm (1-2 a.m.)	volcanic emissions
June 27, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.176 ppm (5-6 p.m.)	volcanic emissions
June 26, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.133 ppm (4-5 a.m.)	volcanic emissions
June 25, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.302 ppm (8-9 a.m.)	volcanic emissions
June 24, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.161 ppm (10-11 a.m.)	volcanic emissions
June 24, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.378 ppm (9-10 a.m.)	volcanic emissions
June 23, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.084 ppm (10-11 p.m.)	volcanic emissions
June 21, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.199 ppm (6-7 a.m.)	volcanic emissions
June 19, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.093 ppm (4-5 a.m.)	volcanic emissions
June 19, 2012	Pahala, Hawaii	SO ₂ PM _{2.5}	1-hour avg. 24-hour avg.	0.075 ppm 35 µg/m ³	0.141 ppm (2-3 a.m.) 60 µg/m ³	volcanic emissions volcanic emissions and wild brushfires
June 18, 2012	Pahala, Hawaii	SO ₂ PM _{2.5}	1-hour avg. 24-hour avg.	0.075 ppm 35 µg/m ³	0.180 ppm (noon-1 p.m.) 97 µg/m ³	volcanic emissions volcanic emissions and wild brushfires
June 17, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.168 ppm (1-2 p.m.)	volcanic emissions
June 17, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.163 ppm (7-8 a.m.)	volcanic emissions
June 16, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.339 ppm (9-10 a.m.)	volcanic emissions
June 16, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.443 ppm (8-9 a.m.)	volcanic emissions
June 15, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.115 ppm (6-7 a.m.)	volcanic emissions
June 15, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.681 ppm (5-6 a.m.)	volcanic emissions
June 14, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.127 ppm (8-9 a.m.)	volcanic emissions
June 14, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.283 ppm (7-8 a.m.)	volcanic emissions
June 13, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.128 ppm (midnight-1 a.m.)	volcanic emissions
June 13, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.100 ppm (3-4 a.m.)	volcanic emissions
June 12, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.194 ppm (11 p.m.-midnight)	volcanic emissions
June 11, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.187 ppm (7-8 a.m.)	volcanic emissions
June 10, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.169 ppm (8-9 a.m.)	volcanic emissions
June 9, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.148 ppm (1-2 a.m.)	volcanic emissions
June 9, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.231 ppm (6-7 a.m.)	volcanic emissions
June 8, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.166 ppm (11 p.m.-midnight)	volcanic emissions
June 7, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.509 ppm (7-8 a.m.)	volcanic emissions

June 6, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.148 ppm (8-9 a.m.)	volcanic emissions
June 5, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.188 ppm (6-7 a.m.)	volcanic emissions
June 4, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.369 ppm (6-7 a.m.)	volcanic emissions
June 3, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.145 ppm (9-10 a.m.)	volcanic emissions
June 2, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.233 ppm (1-2 a.m.)	volcanic emissions
June 1, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.303 ppm (9-10 p.m.)	volcanic emissions
May 31, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.087 ppm (11 a.m.-noon)	volcanic emissions
May 31, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.346 ppm (9-10 a.m.)	volcanic emissions
May 30, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.438 ppm (8-9 a.m.)	volcanic emissions
May 30, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.393 ppm (7-8 a.m.)	volcanic emissions
May 29, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.135 ppm (8-9 p.m.)	volcanic emissions
May 29, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.267 ppm (5-6 a.m.)	volcanic emissions
May 28, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.106 ppm (9-10 p.m.)	volcanic emissions
May 27, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.147 ppm (2-3 a.m.)	volcanic emissions
May 27, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.099 ppm (2-3 a.m.)	volcanic emissions
May 26, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.144 ppm (8-9 a.m.)	volcanic emissions
May 26, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.516 ppm (8-9 p.m.)	volcanic emissions
May 25, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.119 ppm (8-9 a.m.)	volcanic emissions
May 24, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.336 ppm (7-8 a.m.)	volcanic emissions
May 23, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.212 ppm (10-11 a.m.)	volcanic emissions
May 23, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.223 ppm (2-3 a.m.)	volcanic emissions
May 22, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.439 ppm (11 p.m.-midnight)	volcanic emissions
May 21, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.179 ppm (10-11 p.m.)	volcanic emissions
May 21, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.374 ppm (4-5 a.m.)	volcanic emissions
May 20, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.096 ppm (2-3 a.m.)	volcanic emissions
May 20, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.121 ppm (8-9 a.m.)	volcanic emissions
May 19, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.137 ppm (3-4 a.m.)	volcanic emissions
May 18, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.093 ppm (9-10 p.m.)	volcanic emissions
May 17, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.166 ppm (10-11 p.m.)	volcanic emissions
May 16, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.275 ppm (midnight-1 a.m.)	volcanic emissions
May 15, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.086 ppm (5-6 a.m.)	volcanic emissions
May 15, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.306 ppm (7-8 a.m.)	volcanic emissions
May 13, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.107 ppm (4-5 p.m.)	volcanic emissions
May 12, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.111 ppm (noon-1 p.m.)	volcanic emissions

May 12, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.142 ppm (2-3 a.m.)	volcanic emissions
May 11, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.215 ppm (10-11 p.m.)	volcanic emissions
May 10, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.220 ppm (1-2 a.m.)	volcanic emissions
May 9, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.143 ppm (7-8 p.m.)	volcanic emissions
May 9, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.103 ppm (8-9 a.m.)	volcanic emissions
May 8, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.122 ppm (9-10 p.m.)	volcanic emissions
May 7, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.250 ppm (8-9 a.m.)	volcanic emissions
May 6, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.090 ppm (9-10 a.m.)	volcanic emissions
May 6, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.215 ppm (7-8 a.m.)	volcanic emissions
May 5, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.235 ppm (9-10 a.m.)	volcanic emissions
May 5, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.103 ppm (midnight-1 a.m.)	volcanic emissions
May 4, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.140 ppm (4-5 a.m.)	volcanic emissions
May 3, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.127 ppm (6-7 a.m.)	volcanic emissions
May 3, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.487 ppm (7-8 p.m.)	volcanic emissions
May 2, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.263 ppm (7-8 a.m.)	volcanic emissions
May 2, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.181 ppm (4-5 a.m.)	volcanic emissions
May 1, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.181 ppm (10-11 a.m.)	volcanic emissions
May 1, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.135 ppm (midnight-1 a.m.)	volcanic emissions
Apr. 30, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.084 ppm (11 a.m.-noon)	volcanic emissions
Apr. 30, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.171 ppm (midnight-1 a.m.)	volcanic emissions
Apr. 29, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.126 ppm (5-6 a.m.)	volcanic emissions
Apr. 28, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.131 ppm (9-10 a.m.)	volcanic emissions
Apr. 28, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.199 ppm (11 p.m.-midnight)	volcanic emissions
Apr. 27, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.158 ppm (10-11 a.m.)	volcanic emissions
Apr. 26, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.092 ppm (5-6 a.m.)	volcanic emissions
Apr. 25, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.098 ppm (3-4 a.m.)	volcanic emissions
Apr. 25, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.090 ppm (5-6 a.m.)	volcanic emissions
Apr. 24, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.276 ppm (8-9 a.m.)	volcanic emissions
Apr. 23, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.169 ppm (8-9 p.m.)	volcanic emissions
Apr. 23, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.168 ppm (8-9 p.m.)	volcanic emissions
Apr. 22, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.106 ppm (midnight-1 a.m.)	volcanic emissions
Apr. 21, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.318 ppm (6-7 p.m.)	volcanic emissions
Apr. 20, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.194 ppm (8-9 a.m.)	volcanic emissions
Apr. 19, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.097 ppm (9-10 a.m.)	volcanic emissions

Apr. 19, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.240 ppm (2-3 a.m.)	volcanic emissions
Apr. 18, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.106 ppm (6-7 p.m.)	volcanic emissions
Apr. 18, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.300 ppm (2-3 a.m.)	volcanic emissions
Apr. 17, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.131 ppm (11 p.m.-midnight)	volcanic emissions
Apr. 16, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.175 ppm (11 p.m.-midnight)	volcanic emissions
Apr. 14, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.095 ppm (8-9 a.m.)	volcanic emissions
Apr. 13, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.085 ppm (4-5 a.m.)	volcanic emissions
Apr. 13, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.089 ppm (7-8 a.m.)	volcanic emissions
Apr. 12, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.399 ppm (7-8 a.m.)	volcanic emissions
Apr. 12, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.244 ppm (6-7 a.m.)	volcanic emissions
Apr. 11, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.167 ppm (4-5 a.m.)	volcanic emissions
Apr. 10, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.261 ppm (1-2 a.m.)	volcanic emissions
Apr. 9, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.163 ppm (8-9 p.m.)	volcanic emissions
Apr. 9, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.158 ppm (7-8 a.m.)	volcanic emissions
Apr. 8, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.131 ppm (5-6 a.m.)	volcanic emissions
Apr. 7, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.080 ppm (8-9 a.m.)	volcanic emissions
Apr. 7, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.138 ppm (1-2 a.m.)	volcanic emissions
Apr. 6, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.274 ppm (8-9 p.m.)	volcanic emissions
Apr. 5, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.095 ppm (3-4 a.m.)	volcanic emissions
Apr. 4, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.120 ppm (9-10 a.m.)	volcanic emissions
Apr. 4, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.148 ppm (1-2 a.m.)	volcanic emissions
Apr. 3, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	1.000 ppm (6-7 a.m.)	volcanic emissions
Apr. 3, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.317 ppm (5-6 a.m.)	volcanic emissions
Apr. 2, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.101 ppm (2-3 p.m.)	volcanic emissions
Apr. 2, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.153 ppm (8-9 a.m.)	volcanic emissions
Mar. 31, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.302 ppm (7-8 a.m.)	volcanic emissions
Mar. 30, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.272 ppm (midnight-1 a.m.)	volcanic emissions
Mar. 30, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.539 ppm (8-9 a.m.)	volcanic emissions
Mar. 29, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.292 ppm (8-9 a.m.)	volcanic emissions
Mar. 29, 2012	Pahala, Hawaii	SO ₂	24-hour avg. 1-hour avg.	0.14 ppm 0.075 ppm	0.16 ppm 0.777 ppm (11 p.m.-midnight)	volcanic emissions
Mar. 28, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.323 ppm (9-10 a.m.)	volcanic emissions
Mar. 28, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.338 ppm (6-7 a.m.)	volcanic emissions
Mar. 27, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.112 ppm (9-10 a.m.)	volcanic emissions

Mar. 27, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.160 ppm (8-9 a.m.)	volcanic emissions
Mar. 26, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.164 ppm (11 p.m.-midnight)	volcanic emissions
Mar. 25, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.138 ppm (11 p.m.-midnight)	volcanic emissions
Mar. 24, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.093 ppm (9-10 a.m.)	volcanic emissions
Mar. 24, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.365 ppm (1-2 a.m.)	volcanic emissions
Mar. 23, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.115 ppm (10-11 a.m.)	volcanic emissions
Mar. 23, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.382 ppm (9-10 p.m.)	volcanic emissions
Mar. 22, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.190 ppm (9-10 a.m.)	volcanic emissions
Mar. 22, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.549 ppm (midnight-1 a.m.)	volcanic emissions
Mar. 21, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.092 ppm (6-7 p.m.)	volcanic emissions
Mar. 21, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.650 ppm (5-6 p.m.)	volcanic emissions
Mar. 20, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	1.000 ppm (8-9 a.m.)	volcanic emissions
Mar. 20, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.668 ppm (8-9 a.m.)	volcanic emissions
Mar. 19, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.306 ppm (9-10 a.m.)	volcanic emissions
Mar. 19, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.344 ppm (6-7 a.m.)	volcanic emissions
Mar. 18, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.295 ppm (9-10 p.m.)	volcanic emissions
Mar. 18, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.414 ppm (3-4 a.m.)	volcanic emissions
Mar. 17, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.170 ppm (6-7 a.m.)	volcanic emissions
Mar. 16, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.237 ppm (10-11 a.m.)	volcanic emissions
Mar. 16, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.229 ppm (11 p.m.-midnight)	volcanic emissions
Mar. 15, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.081 ppm (midnight-1 a.m.)	volcanic emissions
Mar. 15, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.255 ppm (11 p.m.-midnight)	volcanic emissions
Mar. 14, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.102 ppm (10-11 p.m.)	volcanic emissions
Mar. 14, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.151 ppm (3-4 a.m.)	volcanic emissions
Mar. 13, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.080 ppm (9-10 p.m.)	volcanic emissions
Mar. 12, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.147 ppm (3-4 a.m.)	volcanic emissions
Mar. 12, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.332 ppm (1-2 a.m.)	volcanic emissions
Mar. 11, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.190 ppm (3-4 a.m.)	volcanic emissions
Mar. 10, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.251 ppm (6-7 p.m.)	volcanic emissions
Mar. 9, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.237 ppm (3-4 a.m.)	volcanic emissions
Mar. 9, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.152 ppm (9-10 a.m.)	volcanic emissions
Mar. 8, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.141 ppm (5-6 p.m.)	volcanic emissions

Mar. 8, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.259 ppm (6-7 a.m.)	volcanic emissions
Mar. 7, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.207 ppm (4-5 a.m.)	volcanic emissions
Mar. 7, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.147 ppm (11 p.m.-midnight)	volcanic emissions
Mar. 6, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.082 ppm (9-10 a.m.)	volcanic emissions
Mar. 6, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.211 ppm (2-3 p.m.)	volcanic emissions
Mar. 5, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.282 ppm (7-8 a.m.)	volcanic emissions
Mar. 4, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.160 ppm (6-7 a.m.)	volcanic emissions
Mar. 3, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.224 ppm (midnight-1 a.m.)	volcanic emissions
Mar. 3, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.178 ppm (3-4 a.m.)	volcanic emissions
Mar. 2, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.130 ppm (10-11 a.m.)	volcanic emissions
Mar. 2, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.184 ppm (midnight-1 a.m.)	volcanic emissions
Mar. 1, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.118 ppm (8-9 a.m.)	volcanic emissions
Mar. 1, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.256 ppm (midnight-1 a.m.)	volcanic emissions
Feb. 29, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.155 ppm (6-7 a.m.)	volcanic emissions
Feb. 29, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.162 ppm (10-11 p.m.)	volcanic emissions
Feb. 28, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.326 ppm (6-7 a.m.)	volcanic emissions
Feb. 28, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.187 ppm (7-8 a.m.)	volcanic emissions
Feb. 27, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.187 ppm (8-9 p.m.)	volcanic emissions
Feb. 27, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.299 ppm (8-9 a.m.)	volcanic emissions
Feb. 26, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.754 ppm (6-7 a.m.)	volcanic emissions
Feb. 26, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.177 ppm (9-10 p.m.)	volcanic emissions
Feb. 25, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	1.0 ppm (2-3 a.m.)	volcanic emissions
Feb. 24, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.181 ppm (7-8 a.m.)	volcanic emissions
Feb. 24, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.458 ppm (3-4 a.m.)	volcanic emissions
Feb. 23, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.253 ppm (midnight-1 a.m.)	volcanic emissions
Feb. 23, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.119 ppm (midnight-1 a.m.)	volcanic emissions
Feb. 22, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.729 ppm (8-9 p.m.)	volcanic emissions
Feb. 22, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.286 ppm (2-3 a.m.)	volcanic emissions
Feb. 21, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.399 ppm (9-10 p.m.)	volcanic emissions
Feb. 21, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.189 ppm (7-8 p.m.)	volcanic emissions
Feb. 20, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.121 ppm (6-7 p.m.)	volcanic emissions
Feb. 20, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.128 ppm (9-10 a.m.)	volcanic emissions

Feb. 19, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.105 ppm (10-11 a.m.)	volcanic emissions
Feb. 19, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.411 ppm (11 p.m.-midnight)	volcanic emissions
Feb. 18, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.101 ppm (5-6 p.m.)	volcanic emissions
Feb. 18, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.868 ppm (8-9 a.m.)	volcanic emissions
Feb. 17, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.163 ppm (5-6 p.m.)	volcanic emissions
Feb. 17, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.603 ppm (6-7 p.m.)	volcanic emissions
Feb. 16, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.322 ppm (6-7 p.m.)	volcanic emissions
Feb. 15, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.079 ppm (noon-1 p.m.)	volcanic emissions
Feb. 15, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.210 ppm (7-8 a.m.)	volcanic emissions
Feb. 14, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.130 ppm (9-10 a.m.)	volcanic emissions
Feb. 14, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.229 ppm (7-8 a.m.)	volcanic emissions
Feb. 12, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.123 ppm (11 a.m.-noon)	volcanic emissions
Feb. 12, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.076 ppm (5-6 a.m.)	volcanic emissions
Feb. 11, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.132 ppm (10-11 a.m.)	volcanic emissions
Feb. 10, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.108 ppm (10-11 a.m.)	volcanic emissions
Feb. 10, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.233 ppm (9-10 a.m.)	volcanic emissions
Feb. 9, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.291 ppm (9-10 a.m.)	volcanic emissions
Feb. 8, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.137 ppm (1-2 a.m.)	volcanic emissions
Feb. 8, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.173 ppm (7-8 a.m.)	volcanic emissions
Feb. 7, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.160 ppm (11 a.m.-noon)	volcanic emissions
Feb. 7, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.299 ppm (5-6 p.m.)	volcanic emissions
Feb. 6, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.194 ppm (5-6 a.m.)	volcanic emissions
Feb. 6, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.174 ppm (4-5 a.m.)	volcanic emissions
Feb. 6, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.232 ppm (4-5 a.m.)	volcanic emissions
Feb. 3, 2012	Kona, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.098 ppm (noon-1 p.m.)	volcanic emissions
Feb. 3, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.335 ppm (6-7 a.m.)	volcanic emissions
Feb. 3, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.322 ppm (5-6 a.m.)	volcanic emissions
Feb. 2, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.626 ppm (midnight-1 a.m.)	volcanic emissions
Feb. 2, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.281 ppm (8-9 a.m.)	volcanic emissions
Feb. 1, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.265 ppm (11 p.m.-midnight)	volcanic emissions
Feb. 1, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.331 ppm (7-8 a.m.)	volcanic emissions
Jan. 31, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.100 ppm (7-8 a.m.)	volcanic emissions

Jan. 30, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.408 ppm (2-3 a.m.)	volcanic emissions
Jan. 29, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.092 ppm (10-11 a.m.)	volcanic emissions
Jan. 29, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.620 ppm (8-9 a.m.)	volcanic emissions
Jan. 28, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.090 ppm (11 a.m. –noon)	volcanic emissions
Jan. 28, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.581 ppm (5-6 a.m.)	volcanic emissions
Jan. 27, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.089 ppm (6-7 a.m.)	volcanic emissions
Jan. 27, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.111 ppm (8-9 a.m.)	volcanic emissions
Jan. 25, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.089 ppm (4-5 a.m.)	volcanic emissions
Jan. 25, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.128 ppm (3-4 a.m.)	volcanic emissions
Jan. 25, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.297 ppm (2-3 a.m.)	volcanic emissions
Jan. 25, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.262 ppm (2-3 a.m.)	volcanic emissions
Jan. 24, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.188 ppm (2-3 a.m.)	volcanic emissions
Jan. 24, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.125 ppm (11 p.m.-midnight)	volcanic emissions
Jan. 23, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.278 ppm (2-3 a.m.)	volcanic emissions
Jan. 23, 2012	Pahala, Hawaii	SO ₂	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 ₂	1-hour avg.	0.075 ppm	0.090 ppm (5-6 a.m.)	volcanic emissions
Jan. 22, 2012	Pahala, Hawaii	SO ₂	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 ₂	1-hour avg.	0.075 ppm	0.423 ppm (8-9 a.m.)	volcanic emissions
Jan. 20, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.472 ppm (5-6 a.m.)	volcanic emissions
Jan. 19, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.226 ppm (11 p.m.-midnight)	volcanic emissions
Jan. 18, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.076 ppm (7-8 a.m.)	volcanic emissions
Jan. 18, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.465 ppm (2-3 a.m.)	volcanic emissions
Jan. 18, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.111 ppm (1-2 a.m.)	volcanic emissions
Jan. 17, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.089 ppm (9-10 a.m.)	volcanic emissions
Jan. 17, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.250 ppm (7-8 a.m.)	volcanic emissions
Jan. 16, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.079 ppm (3-4 a.m.)	volcanic emissions
Jan. 15, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.128 ppm (6-7 a.m.)	volcanic emissions
Jan. 13, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.078 ppm (9-10 a.m.)	volcanic emissions
Jan. 13, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.142 ppm (10-11 a.m.)	volcanic emissions

Jan. 12, 2012	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.107 ppm (4-5 p.m.)	volcanic emissions
Jan. 12, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.559 ppm (4-5 a.m.)	volcanic emissions
Jan. 11, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.147 ppm (midnight-1 a.m.)	volcanic emissions
Jan. 10, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.076 ppm (11 a.m. -noon)	volcanic emissions
Jan. 10, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.150 ppm (5-6 a.m.)	volcanic emissions
Jan. 9, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.350 ppm (3-4 a.m.)	volcanic emissions
Jan. 8, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.077 ppm (10-11 a.m.)	volcanic emissions
Jan. 8, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.270 ppm (midnight-1 a.m.)	volcanic emissions
Jan. 7, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.077 ppm (4-5 a.m.)	volcanic emissions
Jan. 7, 2012	Pahala, Hawaii	SO ₂	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 ₂	1-hour avg.	0.075 ppm	0.102 ppm (7-8 a.m.)	volcanic emissions
Jan. 6, 2012	Pahala, Hawaii	SO ₂	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 ₂	1-hour avg.	0.075 ppm	0.391 ppm (8-9 a.m.)	volcanic emissions
Jan. 4, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.699 ppm (9-10 a.m.)	volcanic emissions
Jan. 4, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.154 ppm (5-6 a.m.)	volcanic emissions
Jan. 2, 2012	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.327 ppm (6-7 a.m.)	volcanic emissions
Jan. 2, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.703 ppm (4-5 a.m.)	volcanic emissions
Jan. 1, 2012	Kona, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.106 ppm (5-6 a.m.)	volcanic emissions
Jan. 1, 2012	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.157 ppm (3-4 a.m.)	volcanic emissions
Jan. 1, 2012	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.368 ppm (1-2 a.m.)	volcanic emissions

ppm = unit of the standard is in parts per million

µg/m³ = unit of the standard is in micrograms per cubic meter of air