

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 listing of previous exceedances through 2017, please see the Department of Health, Clean Air Branch web page at <http://health.hawaii.gov/cab/notification-of-exceedance-of-a-national-ambient-air-quality-standard/>.

DATE	MONITORING STATION LOCATION & ISLAND	AIR POLLUTANT	STANDARD TYPE	STANDARD LIMIT	ACTUAL	CAUSE
Aug. 4, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.106 ppm (3-4 a.m.)	volcanic emissions
Aug. 1, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.355 ppm (7-8 a.m.)	volcanic emissions
Aug. 1, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.175 ppm (4-5 p.m.)	volcanic emissions
July 31, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.087 ppm (11 a.m.-noon)	volcanic emissions
July 31, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.086 ppm (9-10 a.m.)	volcanic emissions
July 30, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.086 ppm (9-10 a.m.)	volcanic emissions
July 30, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.406 ppm (7-8 a.m.)	volcanic emissions
July 29, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.250 ppm (5-6 a.m.)	volcanic emissions
July 29, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.132 ppm (9-10 a.m.)	volcanic emissions
July 28, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.084 ppm (11 a.m.-noon)	volcanic emissions
July 27, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.111 ppm (4-5 a.m.)	volcanic emissions
July 27, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.150 ppm (10-11 a.m.)	volcanic emissions
July 27, 2018	Pahala, Hawaii	SO ₂	1-hour avg. 3-hour avg. 24-hour avg.	0.075 ppm 0.5 ppm 0.14 ppm	0.738 ppm (7-8 a.m.) 0.7 ppm (6-9 a.m.) 0.21 ppm	volcanic emissions
July 26, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.144 ppm (7-8 a.m.)	volcanic emissions
July 25, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.082 ppm (4-5 p.m.)	volcanic emissions
July 25, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.430 ppm (9-10 a.m.)	volcanic emissions
July 24, 2018	Ocean View, Hawaii	SO ₂ PM _{2.5}	1-hour avg. 24-hour avg.	0.075 ppm 35 µg/m ³	0.093 ppm (9-10 a.m.) 37 µg/m ³	volcanic emissions
July 24, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.128 ppm (9-10 a.m.)	volcanic emissions
July 23, 2018	Kona, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.100 ppm (8-9 a.m.)	volcanic emissions
July 23, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.099 ppm (10-11 a.m.)	volcanic emissions
July 23, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.310 ppm (1-2 a.m.)	volcanic emissions
July 23, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.161 ppm (1-2 a.m.)	volcanic emissions
July 22, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.296 ppm (10-11 p.m.)	volcanic emissions
July 22, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.679 ppm (9-10 a.m.)	volcanic emissions

July 21, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.143 ppm (10-11 a.m.)	volcanic emissions
July 20, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.137 ppm (11 a.m.-noon)	volcanic emissions
July 19, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.100 ppm (8-9 a.m.)	volcanic emissions
July 19, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.309 ppm (8-9 a.m.)	volcanic emissions
July 18, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.076 ppm (2-3 p.m.)	volcanic emissions
July 18, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.093 ppm (9-10 p.m.)	volcanic emissions
July 17, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.227 ppm (5-6 p.m.)	volcanic emissions
July 17, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.109 ppm (7-8 p.m.)	volcanic emissions
July 16, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.086 ppm (9-10 a.m.)	volcanic emissions
July 15, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.145 ppm (11 a.m.-noon)	volcanic emissions
July 15, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.110 ppm (8-9 a.m.)	volcanic emissions
July 14, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.339 ppm (8-9 p.m.)	volcanic emissions
July 14, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.137 ppm (8-9 p.m.)	volcanic emissions
July 13, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.122 ppm (1-2 p.m.)	volcanic emissions
July 13, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.571 ppm (9-10 a.m.)	volcanic emissions
July 11, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.086 ppm (10-11 a.m.)	volcanic emissions
July 11, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.265 ppm (11 a.m.-noon)	volcanic emissions
July 10, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.105 ppm (7-8 a.m.)	volcanic emissions
July 9, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.097 ppm (8-9 p.m.)	volcanic emissions
July 9, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.080 ppm (11 p.m.-midnight)	volcanic emissions
July 8, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.076 ppm (4-5 p.m.)	volcanic emissions
July 8, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.095 ppm (11 a.m.-noon)	volcanic emissions
July 6, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.322 ppm (10-11 p.m.)	volcanic emissions
July 6, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.110 ppm (2-3 p.m.)	volcanic emissions
July 5, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.097 ppm (11 a.m.-noon)	volcanic emissions
July 5, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.274 ppm (3-4 p.m.)	volcanic emissions
July 2, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.169 ppm (7-8 a.m.)	volcanic emissions
July 2, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.139 ppm (1-2 p.m.)	volcanic emissions
July 2, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.188 ppm (11 a.m.-noon)	volcanic emissions
July 2, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.396 ppm (7-8 a.m.)	volcanic emissions
July 1, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.087 ppm (7-8 a.m.)	volcanic emissions
July 1, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.115 ppm (2-3 p.m.)	volcanic emissions
July 1, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.399 ppm (9-10 a.m.)	volcanic emissions
June 30, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.305 ppm (9-10 a.m.)	volcanic emissions
June 28, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.308 ppm (9-10 a.m.)	volcanic emissions
June 26, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.134 ppm (3-4 p.m.)	volcanic emissions

June 25, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.090 ppm (9-10 p.m.)	volcanic emissions
June 25, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.118 ppm (9-10 p.m.)	volcanic emissions
June 24, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.141 ppm (11 a.m.-noon)	volcanic emissions
June 24, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.470 ppm (9-10 a.m.)	volcanic emissions
June 22, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.387 ppm (4-5 a.m.)	volcanic emissions
June 22, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.538 ppm (9-10 a.m.)	volcanic emissions
June 21, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.232 ppm (4-5 a.m.)	volcanic emissions
June 21, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.407 ppm (6-7 a.m.)	volcanic emissions
June 21, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.283 ppm (5-6 a.m.)	volcanic emissions
June 20, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.099 ppm (7-8 a.m.)	volcanic emissions
June 20, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.078 ppm (8-9 a.m.)	volcanic emissions
June 20, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.136 ppm (8-9 a.m.)	volcanic emissions
June 19, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.176 ppm (4-5 p.m.)	volcanic emissions
June 19, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.079 ppm (11 a.m.-noon)	volcanic emissions
June 18, 2018	Kona, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.161 ppm (3-4 p.m.)	volcanic emissions
June 18, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.477 ppm (noon-1 p.m.)	volcanic emissions
June 18, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.126 ppm (9-10 a.m.)	volcanic emissions
June 17, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.121 ppm (11 a.m.-noon)	volcanic emissions
June 16, 2018	Kona, Hawaii	PM _{2.5}	24-hour avg.	35 µg/m ³	37 µg/m ³	volcanic emissions
June 16, 2018	Ocean View, Hawaii	SO ₂ PM _{2.5}	1-hour avg. 24-hour avg.	0.075 ppm 35 µg/m ³	0.261 ppm (3-4 a.m.) 45 µg/m ³	volcanic emissions
June 16, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.253 ppm (6-7 a.m.)	volcanic emissions
June 15, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.112 ppm (4-5 a.m.)	volcanic emissions
June 15, 2018	Kona, Hawaii	PM _{2.5}	24-hour avg.	35 µg/m ³	36 µg/m ³	volcanic emissions
June 15, 2018	Ocean View, Hawaii	SO ₂ PM _{2.5}	1-hour avg. 24-hour avg.	0.075 ppm 35 µg/m ³	0.887 ppm (5-6 a.m.) 43 µg/m ³	volcanic emissions
June 15, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.125 ppm (6-7 a.m.)	volcanic emissions
June 14, 2018	Ocean View, Hawaii	SO ₂ PM _{2.5}	1-hour avg. 24-hour avg.	0.075 ppm 35 µg/m ³	0.309 ppm (8-9 a.m.) 41 µg/m ³	volcanic emissions
June 14, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.079 ppm (8-9 a.m.)	volcanic emissions
June 13, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.427 ppm (10-11 a.m.)	volcanic emissions
June 13, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.084 ppm (7-8 a.m.)	volcanic emissions
June 12, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.426 ppm (7-8 a.m.)	volcanic emissions
June 12, 2018	Pahala, Hawaii	SO ₂	1-hour avg. 24-hour avg.	0.075 ppm 0.14 ppm	0.686 ppm (6-7 a.m.) 0.15 ppm	volcanic emissions
June 11, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.121 ppm (midnight-1 a.m.)	volcanic emissions

June 9, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.080 ppm (7-8 a.m.)	volcanic emissions
June 8, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.336 ppm (5-6 a.m.)	volcanic emissions
June 8, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.088 ppm (5-6 a.m.)	volcanic emissions
June 7, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.286 ppm (11 p.m.-midnight)	volcanic emissions
June 7, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.280 ppm (10-11 a.m.)	volcanic emissions
June 6, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.090 ppm (noon-1 p.m.)	volcanic emissions
June 4, 2018	Kona, Hawaii	PM _{2.5}	24-hour avg.	35 µg/m ³	49 µg/m ³	volcanic emissions
June 4, 2018	Ocean View, Hawaii	SO ₂ PM _{2.5}	1-hour avg. 24-hour avg.	0.075 ppm 35 µg/m ³	0.126 ppm (5-6 p.m.) 56 µg/m ³	volcanic emissions
June 4, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.210 ppm (5-6 p.m.)	volcanic emissions
June 3, 2018	Kona, Hawaii	PM _{2.5}	24-hour avg.	35 µg/m ³	39 µg/m ³	volcanic emissions
June 3, 2018	Ocean View, Hawaii	SO ₂ SO ₂ PM _{2.5}	1-hour avg. 24-hour avg. 24-hour avg.	0.075 ppm 0.14 ppm 35 µg/m ³	0.472 ppm (7-8 a.m.) 0.17 ppm 42 µg/m ³	volcanic emissions
June 3, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.283 ppm (7-8 a.m.)	volcanic emissions
June 2, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.248 ppm (10-11 a.m.)	volcanic emissions
June 2, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.172 ppm (6-7 a.m.)	volcanic emissions
June 1, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.176 ppm (8-9 p.m.)	volcanic emissions
June 1, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.087 ppm (8-9 a.m.)	volcanic emissions
May 31, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.125 ppm (3-4 a.m.)	volcanic emissions
May 31, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.125 ppm (7-8 a.m.)	volcanic emissions
May 30, 2018	Kona, Hawaii	PM _{2.5}	24-hour avg.	35 µg/m ³	36 µg/m ³	volcanic emissions
May 30, 2018	Ocean View, Hawaii	SO ₂ PM _{2.5}	1-hour avg. 24-hour avg.	0.075 ppm 35 µg/m ³	0.141 ppm (1-2 p.m.) 38 µg/m ³	volcanic emissions
May 29, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.290 ppm (5-6 a.m.)	volcanic emissions
May 29, 2018	Kona, Hawaii	SO ₂ PM _{2.5}	1-hour avg. 24-hour avg.	0.075 ppm 35 µg/m ³	0.094 ppm (8-9 a.m.) 59 µg/m ³	volcanic emissions
May 29, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.344 ppm (2-3 a.m.)	volcanic emissions
May 29, 2018	Pahala, Hawaii	SO ₂	1-hour avg. 3-hour avg. 24-hour avg.	0.075 ppm 0.5 ppm 0.14 ppm	0.659 ppm (1-2 a.m.) 0.6 ppm (midnight-3 a.m.) 0.17 ppm	volcanic emissions
May 28, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.343 ppm (8-9 a.m.)	volcanic emissions
May 28, 2018	Kona, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.120 ppm (7-8 a.m.)	volcanic emissions
May 28, 2018	Ocean View, Hawaii	SO ₂ SO ₂ SO ₂ PM _{2.5}	1-hour avg. 3-hour avg. 24-hour avg. 24-hour avg.	0.075 ppm 0.5 ppm 0.14 ppm 35 µg/m ³	1.114 ppm (5-6 a.m.) 0.9 ppm (3-6 a.m.) 0.27 ppm 46 µg/m ³	volcanic emissions
May 28, 2018	Pahala, Hawaii	SO ₂	1-hour avg. 24-hour avg.	0.075 ppm 0.14 ppm	0.634 ppm (5-6 a.m.) 0.16 ppm	volcanic emissions

May 27, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.204 ppm (6-7 a.m.)	volcanic emissions
May 27, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.090 ppm (11 p.m.-midnight)	volcanic emissions
May 26, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.425 ppm (10-11 a.m.)	volcanic emissions
May 26, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.186 ppm (2-3 a.m.)	volcanic emissions
May 25, 2018	Ocean View, Hawaii	SO ₂	1-hour avg. 24-hour avg.	0.075 ppm 0.14 ppm	0.771 ppm (8-9 p.m.) 0.16 ppm	volcanic emissions
May 25, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.133 ppm (midnight-1 a.m.)	volcanic emissions
May 24, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.242 ppm (11 a.m.-noon)	volcanic emissions
May 24, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.214 ppm (9-10 a.m.)	volcanic emissions
May 23, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.181 ppm (7-8 a.m.)	volcanic emissions
May 23, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.322 ppm (2-3 a.m.)	volcanic emissions
May 22, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.149 ppm (11 p.m.-midnight)	volcanic emissions
May 21, 2018	Kona, Hawaii	PM _{2.5}	24-hour avg.	35 µg/m ³	37 µg/m ³	volcanic emissions
May 21, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.151 ppm (8-9 a.m.)	volcanic emissions
May 20, 2018	Kona, Hawaii	PM _{2.5}	24-hour avg.	35 µg/m ³	36 µg/m ³	volcanic emissions
May 20, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.437 ppm (midnight-1 a.m.)	volcanic emissions
May 20, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.514 ppm (7-8 p.m.)	volcanic emissions
May 19, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.941 ppm (4-5 a.m.)	volcanic emissions
May 19, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.463 ppm (6-7 a.m.)	volcanic emissions
May 18, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.078 ppm (midnight-1 a.m.)	volcanic emissions
May 17, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.191 ppm (3-4 p.m.)	volcanic emissions
May 17, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.325 ppm (11 a.m.-noon)	volcanic emissions
May 17, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.286 ppm (noon-1 p.m.)	volcanic emissions
May 16, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.106 ppm (9-10 a.m.)	volcanic emissions
May 16, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.187 ppm (10-11 a.m.)	volcanic emissions
May 15, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.273 ppm (11 a.m.-noon)	volcanic emissions
May 14, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.542 ppm (9-10 a.m.)	volcanic emissions
May 13, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.185 ppm (9-10 a.m.)	volcanic emissions
May 13, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.294 ppm (6-7 a.m.)	volcanic emissions
May 12, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.141 ppm (10-11 a.m.)	volcanic emissions
May 12, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.345 ppm (6-7 a.m.)	volcanic emissions
May 10, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.322 ppm (1-2 a.m.)	volcanic emissions
May 10, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.400 ppm (1-2 a.m.)	volcanic emissions
May 9, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.204 ppm (11 p.m.-midnight)	volcanic emissions
May 8, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.099 ppm (6-7 p.m.)	volcanic emissions
Apr. 27, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.087 ppm (11 p.m.-midnight)	volcanic emissions

Apr. 25, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.157 ppm (1-2 a.m.)	volcanic emissions
Apr. 22, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.084 ppm (8-9 p.m.)	volcanic emissions
Apr. 18, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.382 ppm (8-9 a.m.)	volcanic emissions
Apr. 17, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.078 ppm (10-11 p.m.)	volcanic emissions
Apr. 15, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.158 ppm (2-3 a.m.)	volcanic emissions
Apr. 14, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.161 ppm (2-3 a.m.)	volcanic emissions
Apr. 14, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.237 ppm (4-5 a.m.)	volcanic emissions
Apr. 10, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.085 ppm (7-8 p.m.)	volcanic emissions
Apr. 8, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.082 ppm (8-9 a.m.)	volcanic emissions
Apr. 6, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.089 ppm (9-10 a.m.)	volcanic emissions
Apr. 5, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.161 ppm (midnight-1 a.m.)	volcanic emissions
Apr. 4, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.127 ppm (3-4 a.m.)	volcanic emissions
Apr. 3, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.096 ppm (midnight-1 a.m.)	volcanic emissions
Apr. 3, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.184 ppm (6-7 p.m.)	volcanic emissions
Apr. 2, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.081 ppm (11 p.m.-midnight)	volcanic emissions
Apr. 1, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.095 ppm (2-3 a.m.)	volcanic emissions
Apr. 1, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.141 ppm (midnight-1 a.m.)	volcanic emissions
Mar. 31, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.404 ppm (10-11 p.m.)	volcanic emissions
Mar. 31, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.105 ppm (4-5 a.m.)	volcanic emissions
Mar. 30, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.717 ppm (5-6 a.m.)	volcanic emissions
Mar. 27, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.138 ppm (midnight-1 a.m.)	volcanic emissions
Mar. 27, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.759 ppm (4-5 p.m.)	volcanic emissions
Mar. 26, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.432 ppm (3-4 p.m.)	volcanic emissions
Mar. 23, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.187 ppm (5-6 a.m.)	volcanic emissions
Mar. 17, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.223 ppm (2-3 a.m.)	volcanic emissions
Mar. 14, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.202 ppm (midnight-1 a.m.)	volcanic emissions
Mar. 12, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.298 ppm (1-2 a.m.)	volcanic emissions
Mar. 11, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.099 ppm (8-9 p.m.)	volcanic emissions
Mar. 11, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.103 ppm (10-11 a.m.)	volcanic emissions
Mar. 10, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.076 ppm (10-11 a.m.)	volcanic emissions
Mar. 8, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.182 ppm (9-10 a.m.)	volcanic emissions
Mar. 7, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.077 ppm (2-3 a.m.)	volcanic emissions
Mar. 6, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.111 ppm (4-5 a.m.)	volcanic emissions
Mar. 3, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.161 ppm (4-5 a.m.)	volcanic emissions
Mar. 2, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.127 ppm (8-9 a.m.)	volcanic emissions
Mar. 1, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.174 ppm (7-8 a.m.)	volcanic emissions

Mar. 1, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.288 ppm (6-7 a.m.)	volcanic emissions
Feb. 28, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.137 ppm (10-11 a.m.)	volcanic emissions
Feb. 28, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.124 ppm (8-9 a.m.)	volcanic emissions
Feb. 27, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.115 ppm (3-4 a.m.)	volcanic emissions
Feb. 27, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.078 ppm (10-11 p.m.)	volcanic emissions
Feb. 26, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.091 ppm (8-9 a.m.)	volcanic emissions
Feb. 25, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.117 ppm (1-2 a.m.)	volcanic emissions
Feb. 25, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.218 ppm (6-7 a.m.)	volcanic emissions
Feb. 24, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.164 ppm (9-10 p.m.)	volcanic emissions
Feb. 24, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.281 ppm (3-4 a.m.)	volcanic emissions
Feb. 23, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.219 ppm (9-10 p.m.)	volcanic emissions
Feb. 23, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.152 ppm (2-3 a.m.)	volcanic emissions
Feb. 21, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.123 ppm (11 a.m.-noon)	volcanic emissions
Feb. 20, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.105 ppm (8-9 a.m.)	volcanic emissions
Feb. 20, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.093 ppm (6-7 a.m.)	volcanic emissions
Feb. 20, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.098 ppm (7-8 a.m.)	volcanic emissions
Feb. 20, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.117 ppm (8-9 a.m.)	volcanic emissions
Feb. 19, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.111 ppm (5-6 a.m.)	volcanic emissions
Feb. 18, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.542 ppm (2-3 a.m.)	volcanic emissions
Feb. 18, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.076 ppm (2-3 a.m.)	volcanic emissions
Feb. 17, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.224 ppm (2-3 p.m.)	volcanic emissions
Feb. 15, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.098 ppm (7-8 a.m.)	volcanic emissions
Feb. 14, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.110 ppm (9-10 a.m.)	volcanic emissions
Feb. 14, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.268 ppm (6-7 a.m.)	volcanic emissions
Feb. 8, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.253 ppm (5-6 a.m.)	volcanic emissions
Feb. 5, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.283 ppm (1-2 p.m.)	volcanic emissions
Feb. 5, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.125 ppm (9-10 a.m.)	volcanic emissions
Feb. 4, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.159 ppm (6-7 a.m.)	volcanic emissions
Feb. 4, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.392 ppm (4-5 a.m.)	volcanic emissions
Feb. 4, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.168 ppm (9-10 a.m.)	volcanic emissions
Feb. 3, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.772 ppm (3-4 a.m.)	volcanic emissions
Feb. 1, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.084 ppm (5-6 a.m.)	volcanic emissions
Jan. 31, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.139 ppm (8-9 a.m.)	volcanic emissions
Jan. 30, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.619 ppm (11 a.m.-noon)	volcanic emissions
Jan. 28, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.102 ppm (9-10 a.m.)	volcanic emissions
Jan. 27, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.087 ppm (3-4 a.m.)	volcanic emissions

Jan. 27, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.165 ppm (10-11 p.m.)	volcanic emissions
Jan. 26, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.085 ppm (4-5 a.m.)	volcanic emissions
Jan. 26, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.077 ppm (5-6 a.m.)	volcanic emissions
Jan. 25, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.140 ppm (6-7 a.m.)	volcanic emissions
Jan. 24, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.116 ppm (1-2 a.m.)	volcanic emissions
Jan. 23, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.104 ppm (6-7 a.m.)	volcanic emissions
Jan. 22, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.108 ppm (2-3 a.m.)	volcanic emissions
Jan. 22, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.098 ppm (10-11 p.m.)	volcanic emissions
Jan. 21, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.076 ppm (8-9 a.m.)	volcanic emissions
Jan. 20, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.171 ppm (3-4 a.m.)	volcanic emissions
Jan. 19, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.327 ppm (4-5 a.m.)	volcanic emissions
Jan. 18, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.125 ppm (9-10 a.m.)	volcanic emissions
Jan. 18, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.329 ppm (8-9 a.m.)	volcanic emissions
Jan. 17, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.224 ppm (5-6 a.m.)	volcanic emissions
Jan. 17, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.499 ppm (4-5 a.m.)	volcanic emissions
Jan. 16, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.095 ppm (7-8 a.m.)	volcanic emissions
Jan. 16, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.220 ppm (7-8 a.m.)	volcanic emissions
Jan. 15, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.096 ppm (9-10 a.m.)	volcanic emissions
Jan. 14, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.125 ppm (9-10 a.m.)	volcanic emissions
Jan. 12, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.172 ppm (8-9 a.m.)	volcanic emissions
Jan. 12, 2018	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.194 ppm (8-9 a.m.)	volcanic emissions
Jan. 11, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.078 ppm (midnight-1 a.m.)	volcanic emissions
Jan. 10, 2018	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.191 ppm (2-3 a.m.)	volcanic emissions
Jan. 10, 2018	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.076 ppm (3-4 a.m.)	volcanic emissions
Jan. 10, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.085 ppm (11 p.m.-midnight)	volcanic emissions
Jan. 9, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.276 ppm (7-8 a.m.)	volcanic emissions
Jan. 8, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.182 ppm (4-5 a.m.)	volcanic emissions
Jan. 6, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.134 ppm (6-7 p.m.)	volcanic emissions
Jan. 5, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.554 ppm (midnight-1 a.m.)	volcanic emissions
Jan. 4, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.624 ppm (11 p.m.-midnight)	volcanic emissions
Jan. 3, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.278 ppm (5-6 a.m.)	volcanic emissions
Jan. 2, 2018	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.240 ppm (11 p.m.-midnight)	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