

Brewer Ozone column quality control – Removed records from Level 1.0 to Level 1.5 data

| time (UT), month, day, year, SZA, airmass, temp, type, O₃(DU), std_O₃ | Reason for removal |
|--|--------------------------------------|
| 08:39:56, 3, 3, 2021, 52.275, 1.626, 16, ds, 292, 1.8 | Bad SO ₂ value (97.2 DU) |
| 08:45:42, 3, 3, 2021, 51.592, 1.601, 16, ds, 293.3, 2.3 | Bad SO ₂ value (99.7 DU) |
| 09:14:41, 3, 3, 2021, 48.565, 1.505, 17, ds, 291.1, 0.9 | Bad SO ₂ value (108.9 DU) |
| 09:38:30, 3, 3, 2021, 46.658, 1.452, 18, ds, 296.6, 2.5 | Bad SO ₂ value (113.4 DU) |
| 09:46:55, 3, 3, 2021, 46.125, 1.438, 18, ds, 294, 1.4 | Bad SO ₂ value (115.1 DU) |
| 09:52:39, 3, 3, 2021, 45.805, 1.43, 18, ds, 295.7, 2.4 | Bad SO ₂ value (115.4 DU) |
| 12:43:22, 3, 7, 2021, 52.238, 1.624, 17, ds, 313.6, 0.8 | Bad SO ₂ value (63.3 DU) |
| 13:14:14, 3, 7, 2021, 56.576, 1.802, 18, ds, 333.9, 1.5 | Bad SO ₂ value (11.5 DU) |
| 11:15:57, 4, 15, 2021, 30.302, 1.157, 51, ds, 365.4, 1.6 | Temperature Spike |
| 09:32:42, 4, 27, 2021, 26.435, 1.116, 51, ds, 343.9, 1.8 | Temperature Spike |
| 08:56:19, 5, 4, 2021, 28.843, 1.141, 51, ds, 347.1, 1.9 | Temperature Spike |
| 09:45:02, 5, 9, 2021, 22, 1.078, 51, ds, 350.7, 1.3 | Temperature Spike |
| 08:10:03, 5, 16, 2021, 34.104, 1.206, 51, ds, 341.4, 1 | Temperature Spike |
| 09:29:40, 5, 23, 2021, 20.651, 1.068, 51, ds, 334.1, 1.5 | Temperature Spike |
| 11:50:24, 5, 23, 2021, 25.823, 1.11, 51, ds, 332.3, 1.8 | Temperature Spike |
| 12:21:28, 5, 26, 2021, 30.697, 1.162, 51, ds, 355.2, 1.6 | Temperature Spike |
| 12:27:25, 5, 31, 2021, 31.172, 1.167, 51, ds, 352.8, 1.5 | Temperature Spike |
| 09:19:55, 6, 6, 2021, 20.491, 1.067, 51, ds, 335.1, 0.7 | Temperature Spike |
| 11:27:20, 6, 6, 2021, 20.492, 1.067, 51, ds, 335.5, 1.9 | Temperature Spike |
| 08:00:22, 6, 9, 2021, 34.138, 1.206, 51, ds, 337.7, 0.7 | Temperature Spike |
| 08:56:30, 6, 11, 2021, 23.984, 1.094, 51, ds, 371.4, 2.2 | Temperature Spike |
| 11:34:26, 7, 2, 2021, 20.508, 1.067, 51, ds, 320, 0.7 | Temperature Spike |
| 08:35:55, 7, 6, 2021, 28.76, 1.14, 51, ds, 324.9, 1.3 | Temperature Spike |
| 12:05:01, 7, 11, 2021, 25.816, 1.11, 51, ds, 316.5, 0.9 | Temperature Spike |
| 09:37:50, 7, 18, 2021, 20.564, 1.068, 51, ds, 319.8, 2.2 | Temperature Spike |
| 11:22:31, 7, 18, 2021, 20.342, 1.066, 51, ds, 322.2, 0.9 | Temperature Spike |
| 11:59:53, 7, 18, 2021, 25.635, 1.108, 51, ds, 323.4, 1.6 | Temperature Spike |
| 12:32:13, 7, 18, 2021, 31.161, 1.167, 51, ds, 328.1, 2.1 | Temperature Spike |
| 09:13:52, 7, 22, 2021, 24.455, 1.098, 51, ds, 310.4, 2.4 | Temperature Spike |
| 11:46:06, 7, 25, 2021, 24.554, 1.099, 51, ds, 333.8, 1.6 | Temperature Spike |
| 14:19:59, 8, 5, 2021, 54.126, 1.696, 46, ds, 239, 0.6 | Bad SO ₂ value (37.9 DU) |
| 10:01:36, 8, 15, 2021, 24.85, 1.101, 51, ds, 307.6, 0.7 | Temperature Spike |
| 14:44:48, 8, 15, 2021, 61.008, 2.042, 51, ds, 299, 1.5 | Temperature Spike |
| 09:17:28, 8, 16, 2021, 29.112, 1.143, 51, ds, 303.4, 1.9 | Temperature Spike |
| 11:51:16, 8, 16, 2021, 30.468, 1.159, 51, ds, 305.1, 1.7 | Temperature Spike |
| 09:52:24, 8, 22, 2021, 27.512, 1.127, 51, ds, 311.2, 1.7 | Temperature Spike |
| 09:11:20, 9, 5, 2021, 35.342, 1.224, 50, ds, 308.3, 1.4 | Temperature Spike |
| 10:11:59, 9, 11, 2021, 33.668, 1.2, 51, ds, 321.4, 1.3 | Temperature Spike |
| 10:23:38, 12, 5, 2021, 60.421, 2.006, 43, ds, 317.2, 0.6 | Temperature Spike |