

## Globally averaged marine surface annual mean data

<b>year</b>	<b>mean</b>	<b>unc</b>
2001	316.36	0.14
2002	316.94	0.14
2003	317.62	0.13
2004	318.25	0.11
2005	318.91	0.12
2006	319.82	0.12
2007	320.45	0.11
2008	321.50	0.14
2009	322.27	0.14
2010	323.19	0.12
2011	324.21	0.12
2012	325.05	0.14
2013	325.94	0.13
2014	327.09	0.13
2015	328.17	0.14
2016	328.95	0.12
2017	329.74	0.14
2018	330.90	0.15
2019	331.88	0.15

N<sub>2</sub>O expressed as a mole fraction in dry air, nanomol/mol, abbreviated as ppb

NOTE: In general, the data presented for the last year are subject to change, depending on recalibration of the reference gas mixtures used, and other quality control procedures. Occasionally, earlier years may also change for the same reasons. Usually these changes are minor

See [www.esrl.noaa.gov/gmd/ccgg/trends\\_n2o/](http://www.esrl.noaa.gov/gmd/ccgg/trends_n2o/) for additional details.

**Data Source: NOAA ESRL**