



Trends in ozone concentrations, 1978–2017

Title	Trends in ozone concentrations, 1978–2017
Publisher	New Zealand's Environment Reporting Series: The Ministry for the Environment and Statistics New Zealand
Description	NIWA supplied ozone data in two forms, with different starting dates: - measurements made using a Dobson spectrophotometer (number 72), from 1987 - data assimilated from satellite measurements recalibrated against the global Dobson network, from 1978. NIWA takes measurements using the Dobson spectrophotometer 72 under clear-sky, direct sunlight conditions at Lauder in Otago. There are gaps in the time series due to days with cloud, rain, or too much wind. However, over the whole period, each individual calendar day of the year was measured. This allows us to calculate statistics based on the day of the year. The trend was assessed using the Theil-Sen estimator and the Two One-Sided Test (TOST) for equivalence at the 95% confidence level. More information on this dataset and how it relates to our environmental reporting indicators and topics can be found in the attached data quality pdf.
Source	NIWA
Rights	Creative Commons Attribution 4.0 New Zealand
Rights	Attribution 4.0 International
Rights	http://creativecommons.org/licenses/by/4.0/
Coverage	November 1978–February 2017; Lauder
Identifier	https://data.mfe.govt.nz/table/89465-trends-in-ozone-concentrations-19782017/
Identifier	AC17/049
Type	Dataset
Language	eng-nz
Subject	UV, ultraviolet radiation, sunshine, Environmental reporting series: Our atmosphere and climate 2017