

Prof Giles Harrison - Datasets and supporting information for papers

number	year	Title
30	2026	Dataset "Temperature and solar radiation data from the partial solar eclipse of 29 March 2025 recorded at Reading University Atmospheric Observatory" https://doi.org/10.6084/m9.figshare.31333018
29	2026	Dataset "Tropical night thermometer investigations" https://doi.org/10.6084/m9.figshare.29712977
28	2025	Dataset "Thermometer time response investigations" https://doi.org/10.6084/m9.figshare.29271101
27	2025	Design files and description of "Electrometer calibration voltage ramp generator" https://doi.org/10.6084/m9.figshare.28498094
26	2025	Dataset and supporting files for "A Faraday cup for charge measurements in biophysical and environmental fieldwork" paper. https://doi.org/10.6084/m9.figshare.27680130
25	2024	Mkrtchyan, Hripsime, Harrison, Giles and Nicoll, Keri (2024): Lerwick Observatory monthly mean Potential Gradient by hour of day 1964-1984. University of Reading. Dataset. https://doi.org/10.17864/1947.001367
24	2024	Harrison, Giles, Alkamali, Ahmad, Escobar Ruiz, Veronica, Nicoll, Keri and Ambaum, Maarten (2024): Charge emission data from 2023 Al Ain Campaign. University of Reading. Dataset. https://doi.org/10.17864/1947.001337
23	2024	Harrison, R. Giles; Odzimek, Anna; Rycroft, Michael J., 2024, Supporting data for "Determining the time constant of the global atmospheric electric circuit through modelling and observations" paper: https://doi.org/10.18150/CC4ISW
22	2024	Harrison, Giles (2024): Storm Ciarán atmospheric pressure data. University of Reading. Dataset. https://doi.org/10.17864/1947.001325
21	2023	Harrison, Giles (2023): Eskdalemuir ion measurements 1909-1916. University of Reading. Dataset. https://doi.org/10.17864/1947.000523
20	2023	Harrison, Giles, Nicoll, Keri and Mkrtchyan, Hripsime (2023): Eskdalemuir Observatory monthly mean Potential Gradient 1911-1981. University of Reading. Dataset. https://doi.org/10.17864/1947.000506
19	2023	Harrison, Giles, Nicoll, Keri and Mkrtchyan, Hripsime (2023): Lerwick Observatory monthly mean Potential Gradient 1925-1984. University of Reading. Dataset. https://doi.org/10.17864/1947.000505
18	2023	Miller, Caleb and Harrison, Giles (2023): Measurements from the Reading University Atmospheric Observatory, 1997-2023. University of Reading. Dataset. https://doi.org/10.17864/1947.000490
17	2023	Harrison, Giles and Burt, Stephen (2023): Air temperature measurements in different thermometer screens. University of Reading. Dataset. https://doi.org/10.17864/1947.000465
16	2023	Harrison, Giles and Schlegel, Kristian (2023): Atmospheric electricity data from the Bavarian Alps 1972-1983 . University of Reading. Dataset. https://doi.org/10.17864/1947.000445
15	2022	Nicoll, Keri and Harrison, Giles (2022): Cloud electricity measurements over Halley, Antarctica. University of Reading. Dataset. https://doi.org/10.17864/1947.000420
14	2022	Harrison, Giles, (2022): Atmospheric electricity data for El Niño-Southern Oscillation studies. University of Reading. Dataset. https://doi.org/10.17864/1947.000409

13	2022	Nicoll, Keri, Harrison, Giles, Marlton, Graeme and Airey, Martin (2022): Electrical aspects of rainfall generation - supporting field data. University of Reading. Dataset. https://doi.org/10.17864/1947.000362
12	2022	Harrison, Giles and Nicoll, Keri (2022): Fog modification experiment by aircraft ion emission. University of Reading. Dataset. https://doi.org/10.17864/1947.000358
11	2022	Harrison, Giles (2022): Tonga eruption atmospheric pressure wave data. University of Reading. Dataset. https://doi.org/10.17864/1947.000354
10	2021	Harrison, Giles and Marlton, Graeme (2021): Sonning Farm fog modification experiment . University of Reading. Dataset. https://doi.org/10.17864/1947.334
9	2021	Harrison, Giles and Burt, Stephen (2021): Screen air temperature measurements 2019-2020 . University of Reading. Dataset. https://doi.org/10.17864/1947.303
8	2020	Nicoll, Keri , Harrison, Giles , Marlton, Graeme and Airey, Martin (2020): Dataset for 'Consistent dust electrification from Arabian Gulf sea breezes' . University of Reading. Dataset. https://doi.org/10.17864/1947.246
7	2019	Marlton, Graeme , Charlton-Perez, Andrew and Harrison, Giles (2019): IS17 gravity wave climatology between 2007 and 2012 . University of Reading. Dataset. https://doi.org/10.17864/1947.199
6	2019	Harrison, Giles (2019): Climatological summaries of Thomas Hughes' meteorological data, for Stroud, UK (1775-1813) . University of Reading. Dataset. https://doi.org/10.17864/1947.234
5	2018	Nicoll, Keri , Airey, Martin , Harrison, Giles , Marlton, Graeme and Williams, Paul (2018): Supplementary data for "First observations of gaseous volcanic plume electrification: a new source of charge for volcanic lightning" . University of Reading. Dataset. https://doi.org/10.17864/1947.154
4	2017	Harrison, Giles , Marlton, Graeme , Nicoll, Keri , Airey, Martin and Williams, Paul (2017): Supplementary data for Note: A self-calibrating wide range balloon electrometer . University of Reading. Dataset. https://doi.org/10.17864/1947.127
3	2016	Barnard, Luke , Harrison, Giles and Portas, Antonio (2016): The National Eclipse Weather Experiment Observations . University of Reading. Dataset. https://doi.org/10.17864/1947.68
2	2016	Nicoll, Keri and Harrison, Giles (2016): Observed variability in charging of stratiform cloud edges . University of Reading. Dataset. https://doi.org/10.17864/1947.38
1	2015	Harrison, Giles , Williams, Paul , Nicoll, Keri and Marlton, Graeme (2015): Supplementary data for "Coordinated weather balloon solar radiation measurements during a solar eclipse" . University of Reading. Dataset. https://researchdata.reading.ac.uk/id/eprint/6
0	2006	Polluted Troposphere field campaign at Weybourne observatory (TORCH2), with ion properties and meteorological data https://catalogue.ceda.ac.uk/uuid/2faa2dd0f62a4bbda73412e1ccf625be