



OCCASIONAL PAPER SERIES

OCTOBER 2013

CLIMATE CHANGE Q&A REFERENCES

1. US National Snow and Ice Data Center
 2. Church, J. A., et al. (2011) *Revisiting the Earth's sea-level and energy budgets from 1961 to 2008*, Geophys. Res. Lett., 38(18), L18601, doi:10.1029/2011gl048794.
 3. Hansen, J., M. et al. (2011) *Earth's energy imbalance and implications*, Atmos. Chem. Phys., 11(24), 13421-13449, doi:10.5194/acp-11-13421-2011.
- Lean, J. L. (2010) *Cycles and trends in solar irradiance and climate*, Wiley Interdisciplinary Reviews: Climate Change, 1(1), 111-122, doi:10.1002/wcc.18.
4. MacFarling Meure, C., et al. (2006), *Law Dome CO₂, CH₄ and N₂O ice core records extended to 2000 years BP*, Geophys. Res. Lett., 33, L14810, doi:10.1029/2006GL026152.
 5. Boden, T.A., et al. (2011) *Global, Regional, and National Fossil-Fuel CO₂ Emissions*, Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, Tenn., U.S.A. doi: 10.3334/CDIAC/00001_V2011.
- Houghton, R. A. (2010) *How well do we know the flux of CO₂ from land-use change?* Tellus B, 62(5), 337-351, doi:10.1111/j.1600-0889.2010.00473.x.
- Note: Sometimes emissions are presented in terms of mass of carbon or 'C.' This expression has the advantage of tracking the carbon as it is transformed from fossil-fuel organic carbon compounds to CO₂ in the atmosphere, and in turn, to bicarbonate and carbonate ions as it is absorbed by the ocean or turned back into organic carbon by plants. To go from mass of C to mass of CO₂ multiply by 3.67 (the molecular weight of CO₂ over the atomic weight of carbon). The above discussion is in terms of mass of CO₂.*
6. Boden, T.A., et al. (2011) *Global, Regional, and National Fossil-Fuel CO₂ Emissions*, Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, U.S. Department of Energy, Oak Ridge, Tenn., U.S.A. doi: 10.3334/CDIAC/00001_V2011.
 7. Kaufmann, R. K., et al. (2011), *Reconciling anthropogenic climate change with observed temperature 1998–2008*, Proceedings of the National Academy of Sciences, 108(29), 11790-11793, doi:10.1073/pnas.1102467108.
 8. Kosaka, Y., and S.-P. Xie (2013), *Recent global-warming hiatus tied to equatorial Pacific surface cooling*, Nature, doi:10.1038/nature12534.
 9. Levitus, S. et al. (2012) *World ocean heat content and thermosteric sea level change (0–2000 m), 1955–2010*, Geophys. Res. Lett. 39, L10603, doi:10.1029/2012gl051106.
 10. Shepherd, A., et al. (2012), *A Reconciled Estimate of Ice-Sheet Mass Balance*, Science, 338(6111), 1183-1189, doi:10.1126/science.1228102.

