

Table 6. Comparison of the 20, 100 and 500-year global warming potentials for NF₃ and CFC-115 from this work the IPCC AR4 [Forster *et al.*, 2007] and AR5 [Myhre *et al.*, 2013].

Molecule	This Work			IPCC AR4			IPCC AR5	
	GWP ₂₀	GWP ₁₀₀	GWP ₅₀₀	GWP ₂₀	GWP ₁₀₀	GWP ₅₀₀	GWP ₂₀	GWP ₁₀₀
NF ₃	15800	20100	22800	12300 ^a	17200 ^a	20700 ^a	12800 ^c	16100 ^c
CFC-115	6080	7630	8080	5310 ^b	7370 ^b	9990 ^b	5860 ^d	7670 ^d

^a based on an atmospheric lifetime of 740 years.

^b based on an atmospheric lifetime of 1700 years.

^c based on an atmospheric lifetime of 500 years

^d based on an atmospheric lifetime of 1020 years

Forster, P. M., *et al.* (2007), Changes in Atmospheric Constituents and in Radiative Forcing, in *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*, edited by D. Qin, M. Manning, Z. Chen, M. Marquis, K. B. Averyt, M. Tignor and H. L. Miller, Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.

Myhre, G., D. Shindell, F.-M. Bréon, W. Collins, J. Fuglestedt, J. Huang, D. Koch, J.-F. Lamarque, D. Lee, B. Mendoza, T. Nakajima, A. Robock, G. Stephens, T. Takemura and H. Zhang, 2013: Anthropogenic and Natural Radiative Forcing. In: *Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Stocker, T.F., D. Qin, G.-K. Plattner, M. Tignor, S.K. Allen, J. Boschung, A. Nauels, Y. Xia, V. Bex and P.M. Midgley (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, pp. 659–740, doi:10.1017/CBO9781107415324.018