



Supplement of

Introducing LAB60: A $1/60^\circ$ NEMO 3.6 numerical simulation of the Labrador Sea

Clark Pennelly and Paul G. Myers

Correspondence to: Clark Pennelly (pennelly@ualberta.ca)

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Supplemental Figure 1: Monthly mixed layer depth as determined by the LAB60-CGRF
simulation, the LAB60-DFS simulation, and ARGO observations from 2007 to the end of 2016
(2014 for LAB60-DFS). This figure highlights the justification that CGRF was inadequate to
continue forcing LAB60, prompting us to restart the run in 2007 using the DFS forcing.

Supplemental Video 1: Normalized relative vorticity of the LAB60 simulation, from 1 Jan 2004
through 31 Dec 2013. Note: a few days are missing due to corrupted output files. DOI:

9 https://doi.org/10.7939/r3-2yts-nw62

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11 Supplemental Video 2: Convective energy of the LAB60 simulation, with a reference depth of

12 2000m. Video takes place from 1 Jan 2004 through 31 Dec 2013. Units are in J m⁻³. Note: a few

days are missing due to corrupted output files. DOI: https://doi.org/10.7939/r3-nen0-g831

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