## TechnicalCorrectionRequest.txt May 15, 18 14:05 Page 1/3 Topic Editor Decision: Publish subject to technical corrections (14 May 2018) by David Steve Comments to the Author: The authors have done a good job of addressing the concerns of reviewers. Thus I am happy to recommend publication of the manuscript. I have some minor technical corrections which will hopefully aid clarity. Abstract Line 11: remove $aM^-$ M-\theam-\alphaM in Argo & SSH and HYCOM), mainly due to mesoscale and interannual variability.âM-^@|âM-^@ M-^1 Done Line 12: insert commas âM-^@M-^\âM-^@|Argo & SSH, as well as HYCOM, reveal interannual varia bilityâM-^@|âM-^@M-^] Done Lines 13/4: remove the sentence âM-^@M-^\It mostly does not quite reach the level of signifi cance because the duration of the multi-year phases with high (low) transports varies quite a bit.âM-^@M-^] as it is not particularly clear and does not enhance the abstract. Done Line 17: remove $aM^-\(EOF)aM^-\(EOF)aM^-$ as the acronym is not used in the abstract and it is defined when first used in the main text. \_\_\_\_\_\_ Page 5, lines 6/7: replace last sentence with $\hat{a}M^-\hat{b}M$ - of the estimates from earlier st udies are based on quasi-synoptic sections, while some are based on time series from mooring s with current meters or Inverted Echo Sounders (IES).âM-^@M-^] Done Page 5, line 18. capital N for âM-^@M-^\North AtlanticâM-^@M-^] Page 6, line 4: replace âM-^@M-^\dynamicâM-^@M-^] with âM-^@M-^\dynamicsâM-^@M-^] and âM-^@ M-^\isâM-^@M-^| by âM-^@M-^\areâM-^@M-^| Done Page 12, line 14: insert the word âM-^@M-^\magnitudeâM-^@M-^\] between âM-^@M-^\withâM-^@M-^\ and $aM^-@M^-\20aM^-@M^-$ Done Page 16, line 15: replace âM-^@M-^\in inâM-^@M-^] with âM-^@M-^\inâM-^@M-^] Done Page 20, line 8: SAM isnâM-^@M-^Yt an ocean index. The Marshall time series that is used in

the manuscript is based on land station observations of atmosphere pressure.

We double-checked. Many publications and websites call it an index. Examples are:

https://instaar.colorado.edu/uploads/publications/lovenduski\_grl\_2005.pdf https://journals.ametsoc.org/doi/full/10.1175/2008JCLI2260.1

https://stateoftheocean.osmc.noaa.gov/atm/sam.php

Page 20, line 10: replace âM-^@M-^\indexesâM-^@M-^] with âM-^@M-^\indicesâM-^@M-^]

Done (throughout the manuscript)

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                                                                             Page 2/3
Page 20, line 21: replace âM-^@M-^\maximumâM-^@M-^] with âM-^@M-^\maximaâM-^@M-^]
Done
Page 21, line 3: replace âM-^@M-^\indexesâM-^@M-^\] with âM-^@M-^\indicesâM-^@M-^]
Page 26, line 21: replace âM-^@M-^\In consistencyâM-^@M-^] with âM-^@M-^\ConsistentâM-^@M-^]
______
Page 33: There is a comma missing after the Evans and Signorini (1985) reference.
Page 34: change end of b) to aM-\ensuremath{^{@}M-\ensuremath{^{@}}} collected between January 9, 1992 and May 2, 20
16. Though why so precise here when a) just states the years.
2000-2015 stands for January 1, 2000 to December 31, 2015.
We gave the exact dates for the latter, because the time period
deviate from full calendar years.
We changed it to: "collected during January 1992 to April 2016"
Page 36, caption: Either use grey or gray consistently, better grey. The same holds througho
ut the manuscript.
Done
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Page 39, caption: There is a stray 2 in the word âM-^@M-^\transportâM-^@M-^]
Done
Page 49, line 3: remove âM-^@M-^\less thanâM-^@M-^]
Done
Page 49, line 10: extraneous open bracket before the references
Done
Page 49. line 16: replace âM-^@M-^\BecauseâM-^@M-^\ with âM-^@M-^\AsâM-^@M-^\
Done
Page 49, line 16: replace âM-^@M-^\Because ofâM-^@M-^] with âM-^@M-^\Due toâM-^@M-^]
I assume this refers to line 19. Done
______
Page 50, in a few locations. Should you use the phrase âM-^@M-^\identical transportsâM-^@
M-^] presumably the numerical values arising fem the XBT transacts or model are not precisel
y identical, but simply very close.
The transport are identical if none of the transport of
the Brazil Current occurs in the shallow regions.
We rephrased the sentences in the second paragraph to clarify the text
(by defining what we are comparing).
A general point on the shaded colour figures. Could you avoid using the old default Matlab (
lam-^@M-^Ym assuming) jet/rainbow colour map. This has a number of issues associated with in
accessibility and perception skewing. Even Matlab have acknowledged this now by making parul
a the default colourmap. See
https://blogs.mathworks.com/steve/2014/10/20/a-new-colormap-for-matlab-part-2-troubles-with-
rainbows/
https://blogs.equ.eu/divisions/qd/2017/08/23/the-rainbow-colour-map/
https://www.climate-lab-book.ac.uk/2014/end-of-the-rainbow/
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We tried different colormaps	(including red-blue and parula).	
which are the focus of this p	r for representing maxima and minima, paper.	