Mid-Term Exam Guidance

March 2017

The mid-term exam will cover material through the sea breezes and related phenomena lecture, which we will finish in class by Tuesday morning at the latest. Questions will be drawn roughly equally from the topics covered to-date. While anything from those topics (the course textbook, supplemental notes and slides, in-class examples, and assignments) is fair game for the exam, it will emphasize material we covered in class and in assignments. Please note that the exam is closed-book and closed-notes.

There will be no manual plotting of skew $T/\ln p$ diagrams, although you may be asked to interpret such a diagram. There will be no isoplething or derivations required. You do not need to memorize equations for the exam; all relevant equations will be provided to you, although it is up to you to determine which applies to a given situation and how it applies in that situation. Simple equations (i.e., vector magnitude or perimeter of a circle or square) will not be provided. There may be some calculations, although these will not require the use of calculators.

Questions will represent a mix of key concepts and their application. The first question from homework assignment #2 is a good example of the type of question you may expect to see on the exam. Questions similar to but more general, or applied in a different but closely-related manner, than those in lecture or on assignments are also good examples of the types of questions you may expect to see on the exam. I encourage you to think to the underlying assumption(s) (i.e., direction of circulation, hemisphere, etc.) for each topic that we have covered and consider how the interpretation might change if the underlying assumption were stated differently.