

Lab Exercise #12

Portfolio of Class Work: Joplin Tornado
200 points (Due Friday 11 May)

The following class work was completed in the creation of a basic case study of the Joplin tornado: **Hwks 1, and 11; Inclass Exercise 14; Labs 1, 6, 9, and 11.**

Portions of these can be grouped into themes: (a) Severe Event and Report Analyses (Storm Reports, Warnings, etc); (b) Morning and Afternoon Diagnosis of Synoptic Pattern; (c) Morning Diagnosis of Thermodynamic Setting; (d) Afternoon Diagnosis of Thermodynamic and Shear Setting; and, (e) Radar and Satellite Imagery near Tornado Time. You also have all the other quizzes, inclass-exercises, homeworks, and lab work that you can put in (f) Background Information on Atmospheric Processes.

You are provided with a three ring folder and color tabbed dividers (6 tabs). Divide up the homework and lab work as best as you can into these six categories, and insert your work into the appropriate section. I realize that some of the assignments have material that can be divided into different headings. **Do the best you can.**

At the beginning of each section the first five sections (a), (b), (c), (d), and (e) you will provide a **TYPED summary of important findings for that section¹** that should be no greater than 50 words or so. Such a summary of important findings is called an **Abstract**. You do not need to have an Abstract for (f).

Please remember that neatness counts. And since your homeworks and labs have already been graded, what counts as significant here is your Abstract. The Abstract should indicate that you have thoughtfully evaluated the assignments and what you learned in completing each assignment.

Grading Rubric: (a) Abstracts—one for each section, neatness, complete sentences, consistent with content of section, includes only important findings (20 points each); (b) Content --- Cover Page; Homeworks and Labs thoughtfully put into appropriate sections headed by appropriate Abstract Page (60 points); (c) Neatness --- includes creating labels to insert into plastic tabs (40 points).

¹ The Abstract is NOT a summary of what is in the section. It is a summary of your findings.

Portfolio of EARTH 260 Class Work: Joplin Tornado

Name _____

Date _____

A. Event Analyses (Storm Reports, Warnings)

Abstract

B. Morning and Afternoon Diagnosis of Synoptic Pattern

Abstract

C. Morning Diagnosis of Thermodynamic Setting

Abstract

D. Afternoon Diagnosis of Thermodynamic and Shear Setting

Abstract

E. Radar and Satellite Imagery near Tornado Time

Abstract

F. Background Work on Atmospheric Processes