

## Class Research Project

**Goal** is to perform an analysis and interpretation of remote sensing data (and/or retrieval techniques) in a well-defined problem.

Written paper due: **May 1**

### **General guidelines for preparing your class project:**

1) Define a topic of your project by selecting specific atmospheric or oceanic parameter(s) of interest, or remote sensing technique(s).

*For instance, characterization of ozone dynamics from OMI observations.*

2) Identify and study at least 3-5 papers dealing with the selected topic.

3) Perform analysis of the remote sensing data in a well-defined problem.

*For instance, interannual variability of ozone over the Northern America.*

4) Your paper (about 15- 20 pages) should show:

- importance of the analyzed parameters or retrieval techniques
- brief description of technical characteristics of satellite instrument (or instruments) considered in your study
- explanation of a retrieval algorithm (ATBD)
- a case study: analysis of satellite data
- brief summary of strength and limitations of analyzed data (or retrieval technique)