MIT Program in Atmospheres, Oceans, and Climate (POAC)

MIT/NSF Project: Weather in a Tank

Instructor Weekly Log

Professor Name: _____ **University/College:** _____

Date (Project Week Ending Friday): _____

☐ ***Check if no demonstrations were used this week. Please specify reason why:*** _____

Demonstrations Conducted This Week	**Instructional Application**	**Student Reactions**	**Additional Materials Used and Instructor Feedback**
Check titles of all demonstrations conducted this week. □ Rigidity imparted to rotating fluids □ Cloud Formation □ Convection □ Radial inflow □ Parabolic surfaces □ Inertial circles □ Perrot's bathtub □ Taylor Columns □ Hadley/Thermal wind □ Cylinder Collapse □ Ekman layers □ Baroclinic Instability □ Ekman pumping □ Ocean gyres □ Thermohaline Circ □ Source/sink □ Other (Specify):_____	***How was demonstration(s) used to support instruction?*** *(Check all that apply)* □ Used in a laboratory setting. □ Used to support lecture. □ Used for student small-group projects. □ Used in conjunction with web-based materials. □ Used to present demonstrations for visitors to the college/university. □ Used to present demonstrations to groups/schools outside of the college/university. □ Loaned to other schools/groups. □ Other: (Specify):_____	***Briefly describe student reactions to the demonstrations (pros and cons).*** *(e.g. increased motivation, created confusion, encouraged questions/ discussion, promoted further interest/research, etc.).*	***Instructional materials used in conjunction with these demonstrations or experiments.*** (*Check all that were used this week*). □ Marshall and Plumb Text: *Circulation of the Atmosphere and Ocean* □ Project Website and Labguide □ Published Textbooks (Specify:_____) □ Personal Course Notes □ Other: (Specify:_____) **INSTRUCTOR FEEDBACK** This demonstration (title: _____) enhanced my instruction**.** □ **Yes** □ **No** I would use this demonstration (title:_____) again in instruction**.** □ **Yes** □ **No** **Please comment on the benefits and/or challenges of using this demonstration(s) or equipment in instruction. (***Specify title of experiment(s) before each comment**.)***

□ **Submit**