EAS 199B: Checklist for salinity and temperature control

	Date:	
Group members:		Sub-project Leader
Your score	Max score	
	10	Plot(s) showing measurement of constant K for the thermal response of the system.
	5	Value of K is reasonable
	5	Plot(s) showing measurement of variation used to estimate the deadband.
	5	Value of deadband is given, and is reasonable
	5	Relay circuits for heater appear to be correct
	5	LCD panel displays heating status and water temperature, in addition to the salinity control status
	15	System responds to disturbance caused by addition of DI water: Salinity value on LCD changes, salty valve opens, system returns to equilibrium
	15	System responds to disturbance caused by addition of salty water: Salinity value on LCD changes, DI valve opens, system returns to equilibrium
	15	System responds to disturbance caused by addition of warm or cold water: Heater turns on as needed; system returns to equilibrium
	15	System controls salinity between LCL and UCL, and temperature within the deadband
	95	Total
Sub-projec	t Leader	
	5	Clear and responsive communication with instructor
	5	System is organized and ready for in-class verification
	5	All team members are knowledgable about system operation
	15	