



USDA NCERA 101 2008

Cocoa Beach, Florida

University of Maryland Agricultural Experiment Station

Gerald F. Deitzer

Plant Sciences and Landscape
Architecture

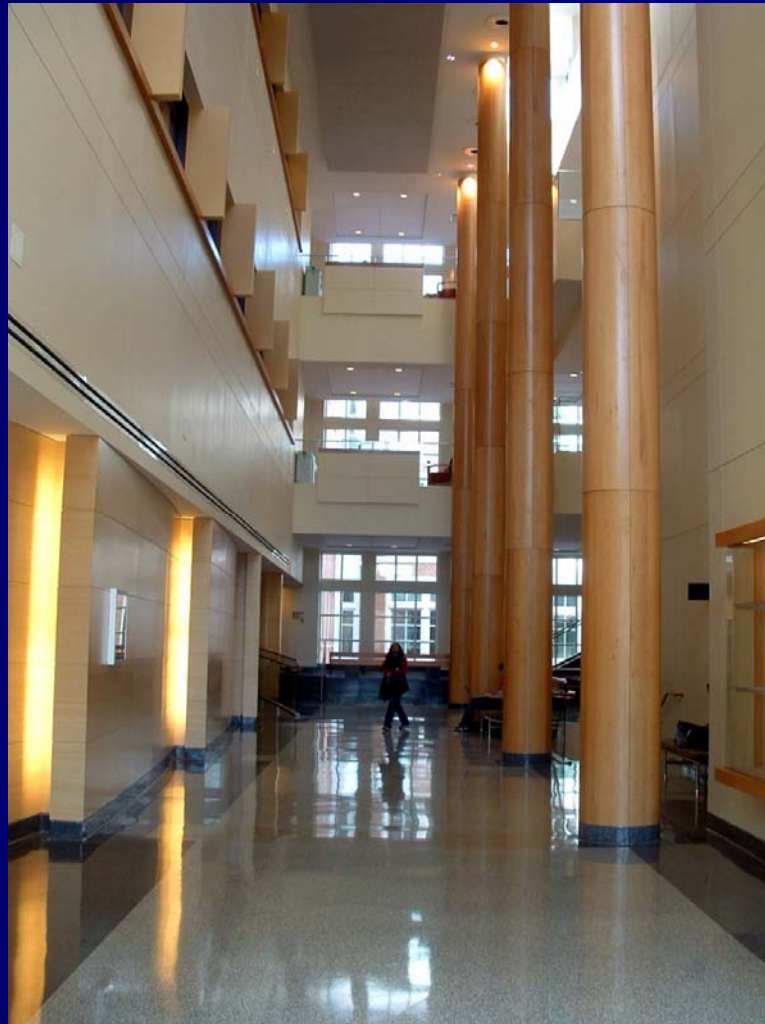


Biosciences Building





Biosciences Atrium





Plant Science Wing





Growth Chamber Room

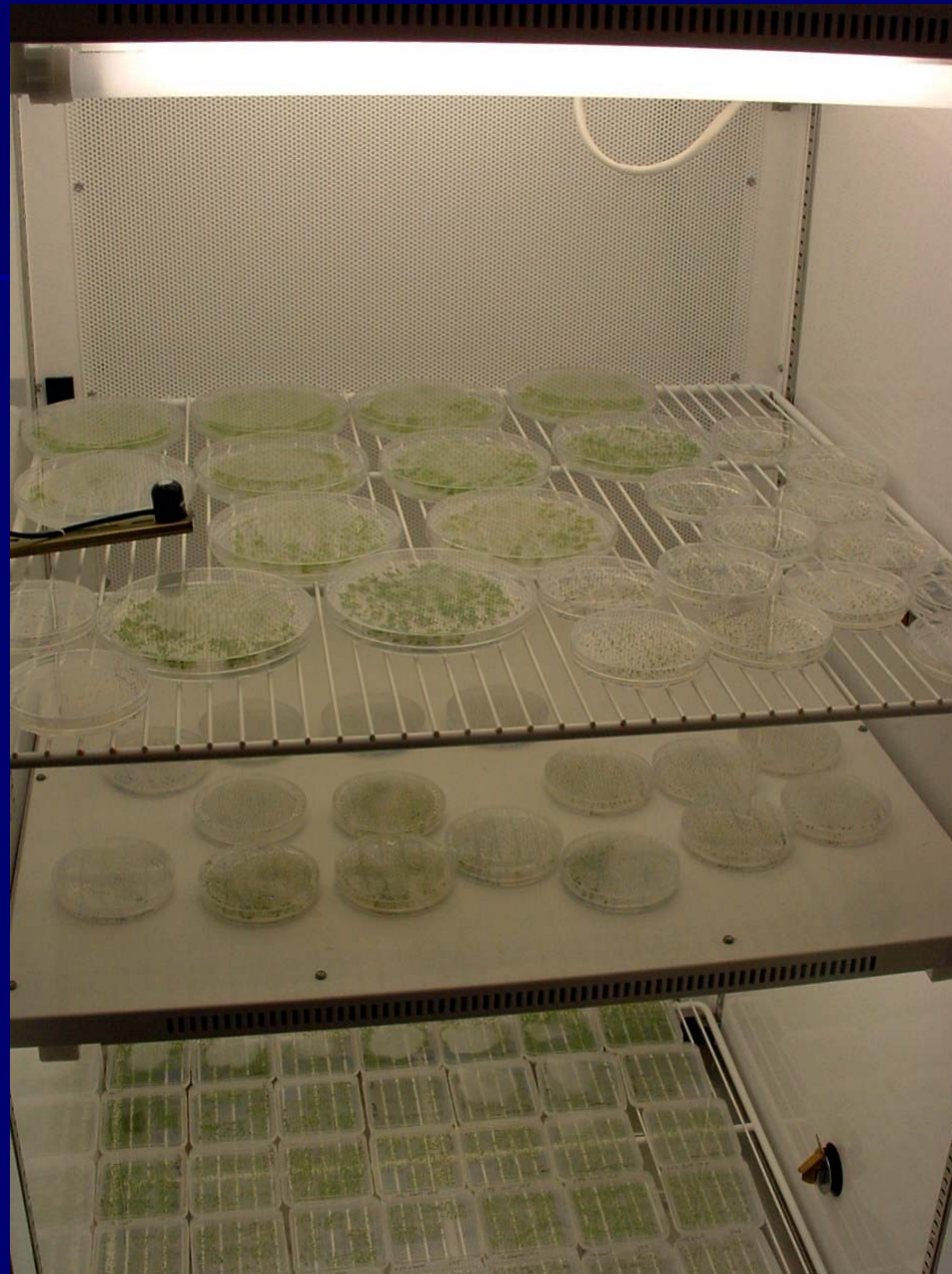




Percival AR36 Chamber









Percival AR 100





Form: _____
Date: _____ Comments: _____ Name: _____

	Current	Set Point
Temp	19.8 C	20.0 C
%RH	62 %	65 %
AUX	65 %	0 %

Your computer might be at risk.
ActiveX software might not be installed.
Click the balloon to fix the problem.

DO NOT CHANGE COMPUTER NAME UNLESS YOU CONTACT PERCIVAL SCIENTIFIC FIRST!
CHANGING THE COMPUTER NAME WILL CAUSE THE SOFTWARE TO STOP FUNCTIONING!

PERCIVAL

3:22PM 19.8C 65%RH
LT:1010 67%

- HEAT
- COOL
- HUMIDIFY
- DEHUMIDIFY
- CO₂ / AUXILIARY
- PROGRAM
- DEFROST
- COMMUNICATIONS

TIME TEMP ALARM LIGHTS % RH CO₂ / AUX PROG INTER HELP

Advanced Intellius environmental controller

CHAMBER #10

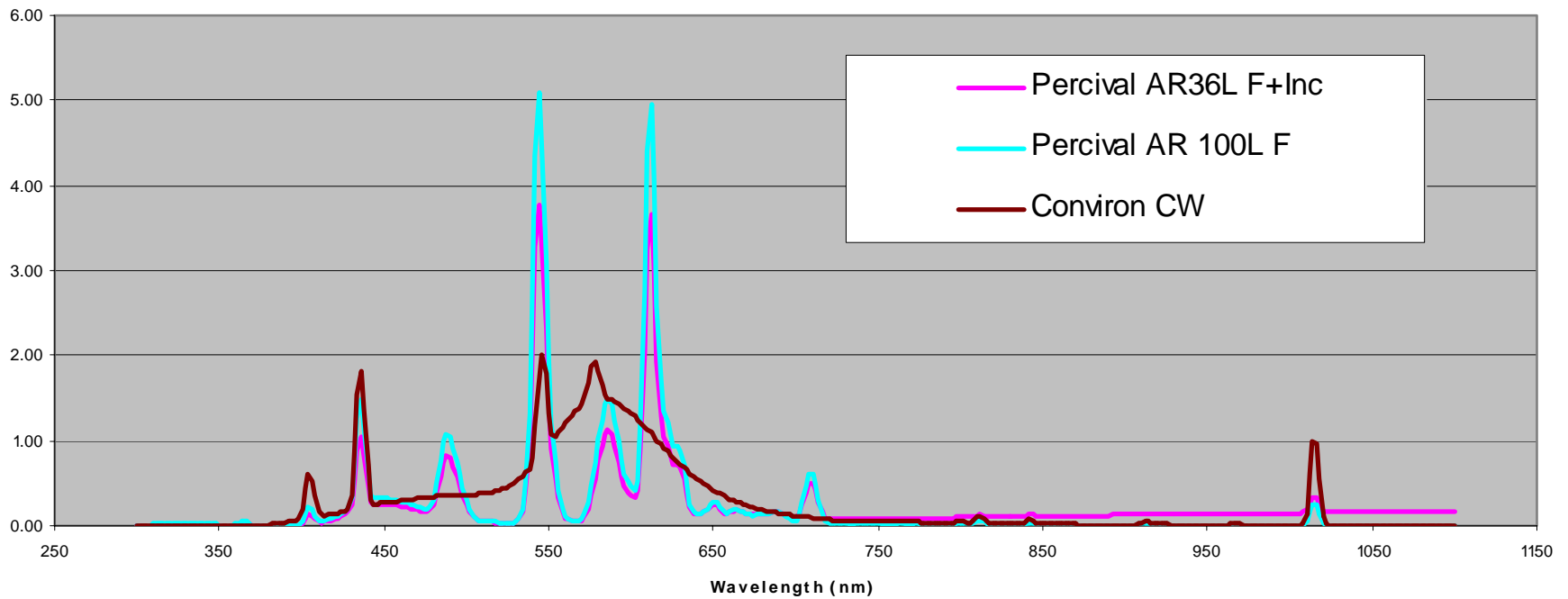
ON GENERATOR BACKUP

POWER DESICCANT DRIER



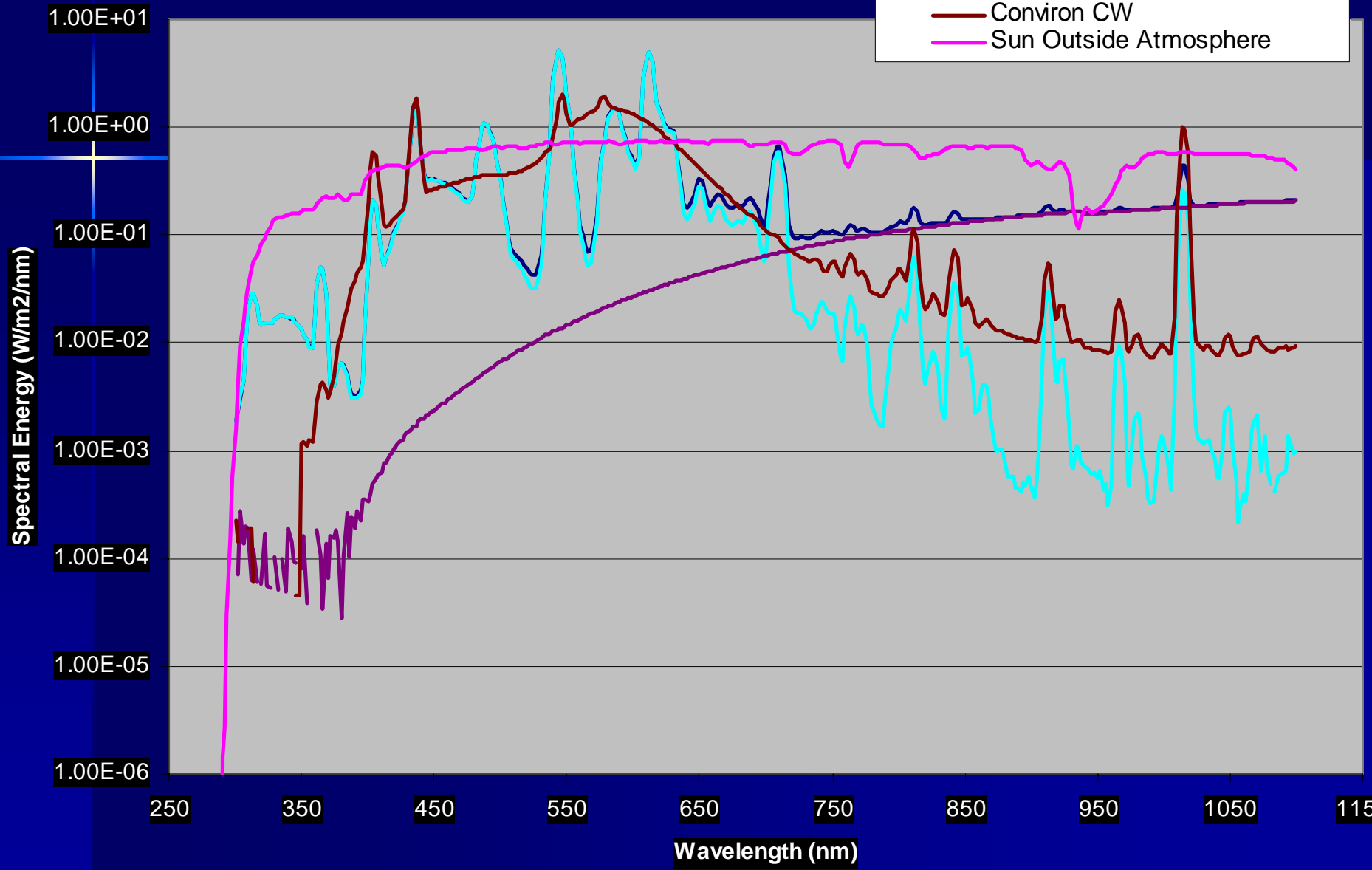
Spectral Comparison

Linear Comparison to Solar



Log Comparison

- 8 F32/T8/TL 741+4 15W Inc
- 8 F32/T8/TL 741
- 4 15W Inc
- Conviron CW
- Sun Outside Atmosphere





Research Greenhouse





Orchid Propagation





Orchid Production



