Radiometry: Pressure and Temperature dependance
Drift acquisition at 1000m

Temperature (Temp.)

Depth levels:
- 3.5°
- 6.5°

Parameters:
- Ed380
- Ed410
- Ed490
- PAR
OCR Radiometer dark count response to sudden temperature change (plastic)

initial delay: 45 s;  half-life: 4.2 minutes;  e-folding time: 6 minutes
OCR Radiometer dark count response to sudden temperature change (aluminum)

initial delay: 18 s; half-life: 1.7 minutes; e-folding time: 2.5 minutes
Dark vs Temperature in situ
Dark vs T (corrected for delay)
Recommendation:
• At least 1 midnight profile per year per float with OCR radiometers.

• Preferred timing: at end of summer, when T dynamic range is near maximum.

• Use midnight profiles to correct for T-dependence and deep drift data to correct for sensor drift