

resolution, it is practical to compute band-averaged values of  $L_{WN}(\lambda)$  that are appropriately weighted for any of these satellite ocean color sensors.

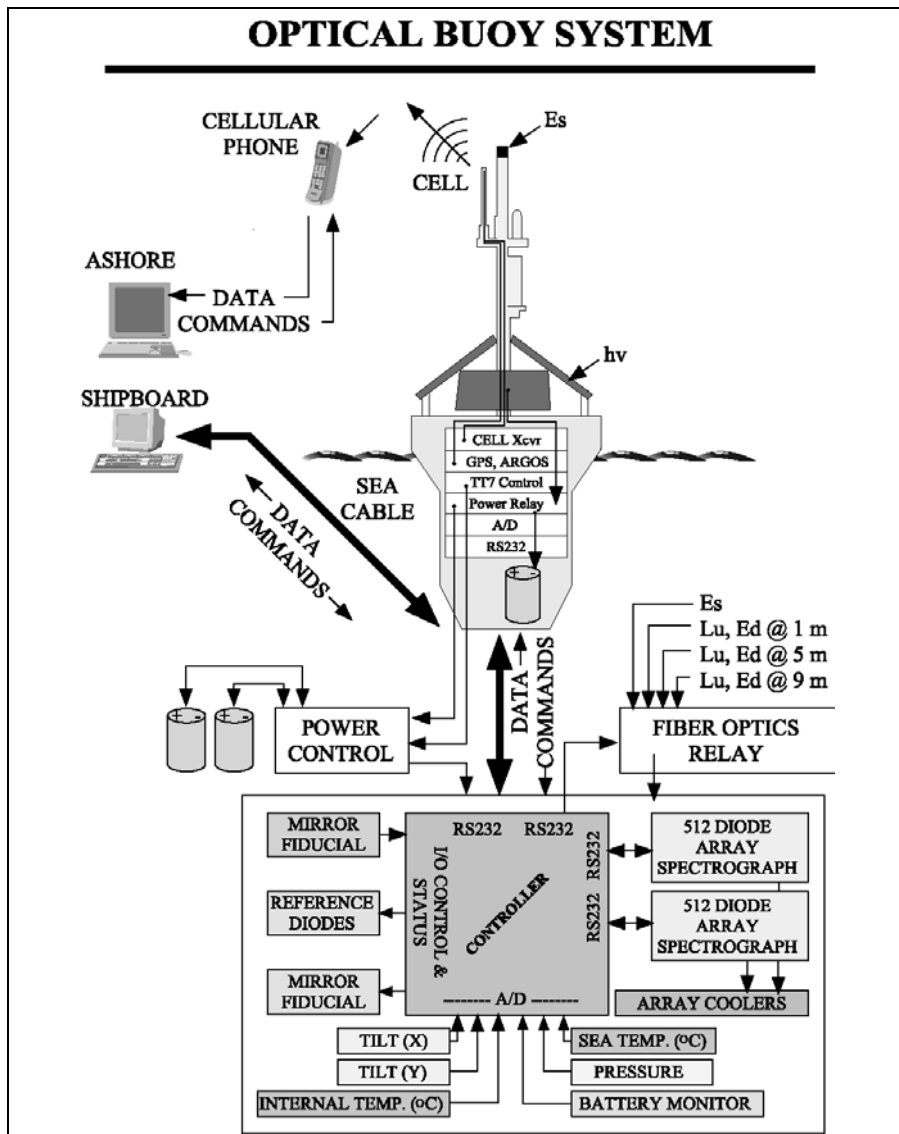


Figure 2.3: A schematic overview of the MOBY system elements.

#### *Ancillary Measurements on MOBY*

The principal navigation (latitude and longitude) and UTC (Universal Time, Coordinated) clock reference are determined from the Global Positioning System (GPS) receiver mounted in the MOBY upper instrument bay (Fig. 2.3 and Table 2.2). A secondary navigational position is provided by the System ARGOS transmitter, which is also installed in the upper bay (Fig. 2.3) and provides frequent MOBY position updates as a precaution against losing the buoy should the mooring fail. On two occasions, in fact, the MOBY array did break away from its moorings and was recovered safely thanks to the ARGOS tracking capability. Additional ancillary sensors are installed in the MOS package:

- Internal housing and CCD array temperatures are measured as indicators of performance quality, and may be used in applying radiometric calibration factors to the data.