

Updates to San Clemente Island weather station data, 2008 – 2013

New spreadsheet files have been posted to the website as of 4/1/14. These reflect a series of edits and corrections that have been made over the past year. These include the following:

1. the original (downloaded) datalogger files from which the year's data is taken are included as separate tabs within the workbook. They are named by the date range to which they correspond.
2. a separate worksheet which has the name of the station, is now included. This contains the year's data with one row per hour. The data is taken from the individual datalogger sheets with the following modifications:
 - a. overlapping data has been removed
 - b. data recorded during maintenance has been removed
 - c. timestamped blank rows have been inserted where data was not recorded
 - d. bad rain data has been deleted
 - e. other data has been filtered for errors to the extent possible (RH > 100%, RH < 10%, negative fuel moisture and solar radiation, and other obvious erroneous values have been removed)
 - f. in some cases where accurate filtering was difficult to ensure, filtered and unfiltered data are both included
 - g. times corresponding to midnight are now recorded in the correct order as 00:00 hrs on the following date.
 - h. the spreadsheet has separate columns showing GMT (UT) and PST. Previously there were some time stamp errors as datalogger clocks were sometimes switched between these two time settings between 2008 and 2013. Prior to 2008 all timestamps are in PST.
3. graphs (charts) are now included as a separate tab within each workbook file. These are linked to the primary worksheet data
4. graphs have been corrected where necessary to use the correct column variable. Since the CR1000 dataloggers were installed in April 2012, the variable (column) names are retrieved from the datalogger so there is no confusion over identification of variables; prior to this on occasion an incorrect column may have been plotted.
5. Prior to March 2013 Eel Point and Hoeppel station equipment was mounted on 20 ft poles. This caused problems with birds nesting in the rain buckets. Despite many efforts to mitigate, the birds won! All rain data from these two stations prior to March 2013 is most likely of no use. Since then the equipment has been relocated to adjacent standard tripods. Only rain data is expected to be affected by the change.

For any questions about the stations or data please contact Dr. Helen Cox, Geography Department, California State University, Northridge. (818) 677-3512 or helen.m.cox@csun.edu