MCP Software Revision History

Version 1.0 – July 2016

* Reference & Target data format: Time Stamp, WS, WD.
* MCP methods available: orthogonal regression, variance ratio, method of bins
* Uncertainty analysis: 1 month increment step size only
* Exports available: TAB files (no header info), time series, WS bin ratios, uncertainty analysis

Version 1.1 – October 13, 2016

* Added temperature to reference data. Reference data format: Time Stamp, WS, WD, Temp. Target site format same as version 1.0.
* Added number of hourly bins = 1, 2, 4, 6 or 8 bins:
  + With 2 hourly bins: 7am – 6pm, 7pm – 6am
  + With 4 hourly bins: 7am – 12pm, 1pm – 6pm, 7pm – 11pm, 12am – 6am
  + With 6 bins: 6am – 9am, 10am – 1pm, 2pm – 5pm, 6pm – 9pm, 10pm – 1am, 2am – 5am
  + With 8 bins: 6am – 8am, 9am – 11am, 12pm – 2pm, 3pm – 5pm, 6pm – 8pm, 9pm – 11pm, 12am – 2am, 3am – 5am
* Added number of temperature bins = 1, 2 or 4 bins
  + With 2 temperature bins, find min/max temperature and divide in two
  + With 4 temp. bins, find min/max and divide in four
* Added MCP method: Matrix-LastWS (still in testing, not for use in WRA yet). Added WS PDF Weight and Last WS Weight which apply to this method only.
* Added export of annual TAB files
* Added TAB file header info: Met name, UTMX/Y, Height
* Added TAB file number of WD bins dropdown
* Added uncertainty interval window option (beta).
* Added limits to orthogonal regression and variance ratio slopes:
  + If slope > +/- 5, slope = Avg Targ. WS / Avg Ref. WS
  + If there are fewer than 3 data points in bin, slope = Avg Targ. WS / Avg Ref. WS
  + If there is not data in bin, use slope = 1

Version 1.2 – November 2, 2016

* Fixed annual TAB export bug (less than full years caused it to crash)
* Fixed reference data import from getting hung up with no temperature data
* Added About MCP button to display software version
* Rearranged / resized buttons and textboxes