

Updates in PEP_BVI_v2.7.xls on June 23, 2021

- Removed address information on the “Data Observer” sheet
- Added a field for “TV_VI” on the “Data Observer” sheet
- Improved the way “Time corrected star count comp” is calculated on the “V-band Data Entry”, “B-band Data Entry” and “I-band Data Entry” sheet (there was an issue going from 23 UT to 0 UT)
- Improved the way VI data was reduced in the “Calculations” sheet (didn’t use “TV_VI” for reducing VI data)
- Improved the metadata (including “INDEX=VI” and “TV_VI” in the metadata for VI reductions)
- Uploaded “starparm_2021Jun16” in the spreadsheet
- Changed the software information to “PEP_BVI_v2.7.xls” in the metadata and the “AAVSO format” sheet

Updates in PEP_BVI_v2.8.xls on July 12, 2021

- Fixed a bug in the routine that is creating the metadata. It is now adding TV_BV in the metadata for observers who are doing V-band measurements only
- Fixed a bug in the routine that is creating the AAVSOformat-file. It is now extracting the “Instrumental magnitude Comp” from the right cell in the spreadsheet
- Uploaded “starparm_2021Jul12”
- Changed the software information to “PEP_BVI_v2.8.xls” in the metadata and the “AAVSO format” sheet

Updates in PEP_BVI_v2.9.xls on August 27, 2021

- Uploaded “starparm_2021Aug27”
- Changed the software information to “PEP_BVI_v2.9.xls” in the metadata and the “AAVSO format” sheet

Updates in PEP_BVI_v3.0.xls on February 15, 2023

- A mistake in the formula to calculate the airmass has been corrected (only an issue for observers on the southern hemisphere)
- The ‘mean-airmass’ cell turns red when the airmass is outside the expected range (airmasses < 1,0 and > 2,5). If the ‘mean-airmass’ cell turns red, then the geographical coordinates or the time should be checked.
- Empirical SNR column added to ‘V-band Data Entry’, ‘B-band Data Entry’ and ‘I-band Data Entry’. If a cell in the columns turns red, then one of the counts in the row is off.
- The spreadsheet now takes any identifier for the star, as long as the identifier is in the Variable Star Index (VSX).
- Changed the software information to “PEP_BVI_v3.0.xls” in the metadata and the “AAVSO format” sheet

Updates in PEP_BVI_v3.1.xls on September 12, 2023

- Uploaded “starparm_2023Sep10”
- The tabs of the Data Entry sheets are color coded as a visual aid
- The spreadsheet now fully reduces the check star magnitudes, as B-V of the check stars has been added, if available.
- V-Ic of the comp and check stars have been added, if available.
- Changed the software information to “PEP_BVI_v3.1.xls” in the metadata and the “AAVSO format” sheet

Updates in PEP_BVI_v3.2.xls on September 27, 2023

- Variable Star Index (VSX) identifiers of new stars in “starparm_2023Sep10” added
- Altered comp star average instrumental magnitude to use all comp star samples, not just those bracketing the variable
- Changed the software information to “PEP_BVI_v3.2.xls” in the metadata and the “AAVSO format” sheet

Updates in PEP_BVI_v3.3.xls on October 23, 2023

- Estimated $k_B = k'_B (=0.38)$, $k_V = k'_V (=0.25)$ and $k_I = k'_I (=0.12)$ added to the ‘Data Observer’ sheet
- Uploaded “starparm_2023Oct21”
- Variable Star Index (VSX) identifiers of sig Gem in “starparm_2023Oct21” added
- Changed the software information to “PEP_BVI_v3.3.xls” in the metadata and the “AAVSO format” sheet