Performance models for phase curve analysis

Models are provided in two file formats

1. Spreadsheet: contains wavelength dependent quantities with units. Also contains metadata with star and planet parameters used, with units
2. ECSV: extended comma separated values. This is an astropy format to read data directly as an astropy table, with metadata. All quantities have units.

Can be read as:

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from astropy import ascii

from astropy import units as u

data = ascii.read(filename, format='ecsv')

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Wavelength dependent quantities. When using noise values not containing a noise floor, you should add a 20 ppm noise floor in quadrature.

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| Quantity | Units | Notes |
| Wavelength | micron | Central wavelength of photometer, or central wavelength of spectral bin for spectrometers |
| BandWidth | micron | Band width of photometers, or bin width of spectral bins for spectrometers |
| LeftBinEdge | micron | Wavelength - 0.5\*BandWidth |
| RightBinEdge | micron | Wavelength + 0.5\*BandWidth |
| totalNoise | ppm √hr | Total noise in one hour of time. Does not include noise floor. |
| NoiseOnTransit | ppm | Noise on the transit depth estimate. Does not include noise floor. Planet is assumed to be observed 1.5xT14 out of transit and T14 in transit. |
| NoiseOnTransitFloor | ppm | As above (NoiseOnTransit) with a 20ppm noise floor added in quadrature. |

Spectrometer quantities are binned in wavelength with constant log wavelength (λ/Δλ) binning

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| Channel | λ/Δλ |
| NIRSpec | 20 |
| AIRSCH0 | 100 |
| AIRSCH1 | 30 |