

## ***Interactive comment on “Radiometric flight results from the HyperSpectral Imager for Climate Science (HySICS)” by Greg Kopp et al.***

**Anonymous Referee #1**

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i find the paper very well written, with a high scientific level.

I just have some very small comments: \* §2.1: i recommend for a better understanding of the optical system to introduce a figure describing the instrumentation \* figure 1: change burring to blurring in the legend \* §4.2.3.: a way to have a better estimation of the spectral scale correction is also to use the O<sub>2</sub> atmosphere absorption band which very narrow, this will reduce the uncertainty of this correction as two different methods can be used with independent errors. \* figure 4: why the x axis does not cover the 2-2.5  $\mu\text{m}$  spectral range? \* spectral shift: i understand the way to achieve a spectral calibration (positioning) is done using a lamp which marginally covers the SWIR band. What is happening in the domain? \* to reduce the flat field uncertainty it is said that a multi image processing could be a way. This is generally what is done why not doing it directly, before processing?

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Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss., doi:10.5194/gi-2016-37, 2016.

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