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## ***Interactive comment on “A satellite-based analysis of the Val d’Agri (South of Italy) Oil Center gas flaring emissions” by M. Faruolo et al.***

### **Anonymous Referee #1**

Received and published: 8 September 2014

The object of this paper is to analyze the flaring activity of Val d’Agri oil pre-treatment plant, applying an RST to MODIS infrared data. A regression model has been applied finding good level of correlation between model data and emitted gas at COVA.

The methodology is clearly explained, and the paper is well written. I suggest to accept it after minor revisions:

- 1) add a discussion on experimental error on MODIS data, and the resulting uncertainty on FRP.
- 2) add error bars in fig. 7, 8, 9, and if possible unify fig. 7 and fig. 8.
- 3) In section 4.3 the results of regression model are reported. Clarify why a zero

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intercept was imposed to the linear model.

4) Evaluate the uncertainty on the linear model parameter, reporting it with a right number of significant digit both in the text and on figure 9.

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 2, 4101, 2014.

**NHESD**

2, C2003–C2004, 2014

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C2004

