

## ***Interactive comment on “Magnetogama: An Open Schematic Magnetometer” by Wahyudi et al.***

### **Anonymous Referee #1**

Received and published: 15 March 2017

**Summary:** Paper shows a new configuration for a hand-assembled fluxgate magnetometer called Magnetogama. It is a vectorial magnetic field sensor cheaper, friendlier user-interface, and suitable for ground campaigns or attached to an unmanned aerial vehicle (UAV). The author gives the schematic, code and several verification tests to ensure its reproducibility. Also, made a validation of Magnetogama sensor comparing the measured magnetic data with those obtained from two nearest observatories in Australia at Learmonth (LRM) and Kakadu (KDU).

**Discussion:** To consider the validation of the proposed sensor must be compared with other instrument with similar characteristics. So, how can you conclude that the Magnetogama it is a good vectorial fluxgate sensor if you don't compare it with another vectorial one.

The contributions of the author as well as the main goals of the paper, should be better reflected in the conclusions section.

C1

In addition, grammar and text should be reviewed. There are too many typo mistakes. . .

**Minors:** Typo: Page 1, Line 2 (1,2): easy. 4,20: There is a mistake related to the range of dates for the test. Figure 6: mistake in the label of Y axis Follow the same nomenclatures along the entire paper (nT) Lengthen x-axis to see clearest the latest data Figure 3: Explain the figure and add a legend with the colors and symbols that appears on it. Bigger numbers and names.

---

Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss., doi:10.5194/gi-2016-35, 2017.

C2