

## ***Interactive comment on “Synergetic cloud fraction determination for SCIAMACHY using MERIS” by C. Schlundt et al.***

### **Anonymous Referee #1**

Received and published: 1 October 2010

concerning your reply:

comments a) to g), j) are ok.

However, for h) and i) I have the following further comments:

h) Ok, you are right, this was my fault. My comment was referring to Figure 10 c-f, which are not mentioned at all in the text. Please delete those.

i) I still would like to see the Figure 9 b)+ f) in relative terms. Then especially the values for cloud fraction equals to 0.17, 0.32 and 0.5 will appear more clearly. What is the reason for that behaviour? You will see similar (not realistic?) patterns also in other Figures, almost at the same cloud fraction. What is the reason for having higher

C1613

number densities at this specific cloud fraction values? Is that due to your choice of thresholds?

---

Interactive comment on Atmos. Meas. Tech. Discuss., 3, 3601, 2010.