

## **Return comments on esurf-2012-58 resubmission.**

We thank and appreciate the detailed attention that the reviewers have given to the resubmission and address the points as follows.

### **SPECIFIC COMMENTS**

Figure 1 – Additional information has been added to the caption to improve the colour description on the image composite.

Figure 2 – Clarity improved with thicker solid lines and better separation of lines for (t) and (a). The word 'seasonal' between 'previous' and 'minimum' (now L152-3) is deleted it may imply the minimum has to be in the same motion year. Direction of movement clarified (now L133-4).

Figure S2 – Dates simplified to monthly labelling and caption altered accordingly.

L155-164 – Edited to correctly refer to the dates of the data analysed for this paper (now L165-169).

L165 – reference to Figure 3 added.

Table S4 – All classes are edited to the first three PFTs, using subscripts to differentiate similar named clusters in Table 2. All 'n' categories have been removed as it is clear from supplementary tables that there is no presence, and it also removes ambiguity with sample number  $n$ . Redundant text on L204 deleted accordingly (now L216).

Table S5 – Simplified and reorganised to include the 0 % and 100 % classes in the cumulative table, with class descriptions altered as suggested.

L391-394 – Text clarified with reference to Table S5 (now L399-398)

### **TECHNICAL CORRECTIONS**

All suggestions acknowledged and addressed as suggested with the following specific points:

L299 and 302 – Changed 'mass' to 'height' (now L303)

L391 - Identified and corrected rounding error in table S5.