

The following suggestions from the referees have not completely been addressed (done) although you said “We will make this change”. Please check if your responses are entirely sufficient.

p.30710, 1.6: "but Robinson et al. (2014) do discuss" is a little awkward, maybe ", although Robinson et al. have raised"? (Line 85)

We will make this change.

p.30714, 1.28: "In order to quantify better" -> "In order to better quantify"? (Line 214)

OK, we will make this change.

2 Observations, p. 30710, line 3: 'We have observed similar features in measurements collected in Borneo during subsequent winters...' Please add which winters? (2009-xx) (Line 81-83)

We will re-write the sentence so that it is clear we have also collected data in the two subsequent winters (2009/10 and 2010/11).

4 Wider air quality implications, p. 30711, line 20: 'We are not aware of any continuous air quality measurements in Northern Borneo that are unaffected by local pollution...' What is the impact of local sources on the C2Cl4 observations? (Line 125-126)

We suggest adding the following sentence in section 2 to highlight this point: “This coherence is indicative of changes in composition occurring over relatively large scales, and suggests very local emissions of C2Cl4 do not have an important influence on the data.” (not added yet.)

Below are the comments/suggestions from this editor.

Line 6: It would be more helpful if the latitude and longitude values of the stations be provided.

Line 9: Change “>30° of latitude” to “30° N latitude”?

Line 19: Can a short-lived chlorine containing species, which destroy ozone in the stratosphere, be considered as ozone precursor? Maybe change “ozone (O3) precursors” to “various pollutants”.

Line 35: Please consider rephrasing the sentence “with enhancements in the region around the northwest coast of Borneo often particularly marked”.

Line 62-63: Please consider rephrasing the sentence “with oxidation by OH the dominant loss mechanism (Singh et al., 1996)”.

L87: Please consider rephrasing the sentence “which Fig. 1b shows are well correlated”.

L96-97: What does “this is the case” means? Please specify more clearly the difference(s) between the backward and forward modes.

L110-111: A threshold of “1.5 ppt of C2Cl4” is not used in Fig.2. Change it to “1.4 ppt of C2Cl4” or “1.6 ppt of C2Cl4”?

L196: Should be “into the mid- and upper troposphere”?

L205: Remove “, in sum”?