

**Expert Reviewer: GRAY**

#	Chapter	Start Page	Start Line	End Page	End Line	Comment
						<b>** If you are cutting and pasting comments from another application into the review form, please <b>DOUBLE-CLICK</b> in the appropriate spreadsheet comment cell before pasting your comment. Only <b>ONE</b> comment per row, please. <b>**</b></b>
1	0	0		0		
2	0	0		0		
3	0	0		0		I must apologise for submitting this supplementary comment, but it is so important that I believe that you should give it some priority
4	0	0		0		The point I wish to make is, that in the whole report, you have failed to notice that all recent climate records show a correlation with El Niño events, but not with increases in greenhouse gases
5	0	0		0		Considerable weight is placed by this Draft on Figure 3.4.2 which compares four temperature records together, showing that the lower three, Upper troposphere, Lower troposphere. and surface greatly resemble one another, However, you draw the wrong conclusion from this resemblance. Only the surface record shows a steady increase from 1978 to 1997, whereas the other records do not. This is more readily recognised if the three records (surface, satellite and lower troposphere are magnified) and compared from 1978 to 1997.
6	0	0		0		The real correlation between the three records is their common response to the El Niño events of 1980 and 1998 and the dispersed El Niño from 2001 which is still with us.
7	0	0		0		You seem not to have noticed that the same pattern is to be found in ocean climate sequences.. Your figure 5.5.2 which tries to find a straight line increase in sea level, shows an initial period from 1993 to 1997 of very little change ( as with the satellite temperatures) followed by a large 1998 El Niño peak, and a subsequent disturbed period which seems to have reached a steady value by 2003..
8	0	0		0		The ocean heat graph Figure 5.2.1. similarly correlates with El Niño and not with greenhouse gas increases. From 1955 to 1970 it is constant. It then rises to a peak in 1980, the year of El Niño, falls to 1990, and then rises again to 1998 El Niño and beyond. This irregular behaviour cannot be explained by increases in greenhouse gases
9	0	0		0		The Draft tries to play down the obvious importance of El Niño in all recent climate records by claiming that it is a form of "internal variability". You do not even consider it as a "natural":climate influence when you are trying to simulate a "natural" component of the surface record. You must surely agree that it is actually a major component, and the greenhouse effect is a minor one.