Expert Reviewer: GRAY

#	Chapter	Start Page	Start Line	End Page	End Line	Comment ** If you are cutting and pasting comments from another application into the review form, please DOUBLE-CLICK in the appropriate spreadsheet comment cell before pasting your comment. ** Only ONE comment per row, please.
1	5	2	1	2	1	You should begin by telling us what you mean by confidence limits. I suspect that they are only one standard deviation. They should be two standard deviations to comply with the standard requirement for 95% confidence. I propose to double all your confidenve limits accordingly.
2	5	2	3	2	3	Replace "risen" with "periodic behaviour"
3	5	2	4	2	5	Replace ."14.5 x 10 to the 22 Joule" on line 4 to "1998" on line 5" with " 10x 10 to the 22nd Joule from 1955 to 1980; folowed by a fall of 6x10 to the 22nd Joule from 1980 to 1990; and a rise of 8 x 10 to the 22nd K\Jpule from 1980 to 2005."
4	5	2	5	2	5	Delete "This amount represents an average warming of"
5	5	2	6	2	6	Insert after "ocean" "can vary in temperature over time by as much as"
6	5	2	9	2	9	Replace "longer-term" by "periodic"
7	5	2	35	2	35	Replace "118±19" by "118±38", to give 95% confidence limits
8	5	2	37	2	37	Replace "42±7" by "42±14", to give 95% confidence limits
9	5	2	37	2	37	Replace "37±7" by "3714", to give 95% confidence limits
10	5	2	42	2	42	Replace "1.8±0.5" by "1.8±10", to give 95% confidence limits
11	5	2	43	2	43	Replace "1.5±0.5" with "1.5±1.0", to give 95% confidence limits
12	5	2	44	2	44	Replace "3.1±0.8" by "3.1±1.6", to give 95% confidence limits
13	5	2	48	2	48	Replace "0.4±0.1" by "0.4±0.2", to give 95% confidence limits
14	5	2	49	2	49	Replace "1.6±0.6" by "1.6±1.2", to give 95% confidence limits
15	5	2	54	2	54	Replace "1.2±0.6" by "1.2±1.2", to give 95% confidence limits
16	5	3	1	3	1	Replace "2.8±0.8" by "2.8±1.6", to give 95% confidence limits
17	5	4	3	4	3	Delete "change"
18	5	4	30	4	30	Replace "1.5±0.5" with "1.5±1.0", to give 95% confidence limits
19	5	4	30	4	30	Delete "average for the". You have given a total, not an average.
20	5	5	22	5	22	Replace "an overall trend of increrasing" with "a periodic variability in "
21	5	5	24	5	24	Delete "on this trend" You cannot draw a "trend" through such irregular data
22	5	5	28	5	28	Insert after."use". "From 1955 to 1970 there was no change. From 1970 to 1980 there was a rise of 10x10 to the 22 Joules. From 1980 to 1993 there was a fall of 5x10 to the 22 Joules".
23	5	5	38	5	39	Replace "increasing trends" with "periodic behaviour"
24	5	6	6	6	6	Replace "the linear" by "a pseudo-linear". There is no evidence that the change is linear.
25	5	6	8	6	8	Replace "linear" by "pseudo-linear"
26	5	6	9	6	9	Insert after "warmed" "since 1955"

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27	5	6	17	6	17	Replace "linear" by "pseudo-linear"
28	5	6	25	6	25	Replace "linear" by "pseudo-linear"
29	5	9	35	9	35	Replace "linear trends" with "changes". They are not "linear"
30	5	19	43	19	43	Replace "2.2±0.4" with "2.2±0.8", to give 95% confidence limits
31	5	23	44	23	44	Delete "in response to global warming"
32	5	24	7	24	7	Insert after "signal". "Also the measurements are biased by their predominant presence near large ports and in the Northern Hemisphere. The measurements are influenced by removal of ground water, oil and minerals, and by the effects of severe storms on measuring equipment>"
33	5	24	16	24	16	Replace "1.5±0.5" with "1.5±1.0", to give 95% confidence limits
34	5	24	19	24	19	Replace "higer" with "higher"
35	5	24	18	24	18	Insert after "rise" "or the influence of groundwater and mineral removel and weight of buildings"
36	5	24	45	24	45	Replace "1.8±0.3" with"1.8±0.6", to give 95% confidence limits
37	5	24	49	24	49	Replace "1.8±0.5" with "1.8±1.0", to give 95% confidence limits
38	5	24	54	24	54	Replace "consensus" with "opinion"
39	5	24	56	24	56	Delete "significantly" This word has a statistical conmnotation not presebnt here
40	5	25	9	25	9	Add at end "There have been, so far, very few corrections for land subsidance due to removal of groundwater and minerals, and by the weight of buildings"
41	5	25	12	25	12	Delete "precision" There have been many arguments about the accuracy of these measurements
42	5	25	12	25	13	Delete "although the road to success was paved by" We don't need this purple prose.
43	5	25	13	25	13	Replace "and" by "gave way to"
44	5	25	14	25	14	Delete "ushered in a new paradigm in satellite altimetry, largely" More purple prose..
45	5	25	15	25	15	Delete "launch of the" sounds like a battleship?
46	5	25	15	25	15	Replace "mission" by "series" Who are you tring to convert?
47	5	25	16	25	16	Delete "precidion" But tell us how muc.
48	5	25	16	25	16	Delete "seamlessly" It is not an embroidery
49	5	25	17	25	17	Replace "is a reasonably straightforward exsrcise if" by "requires"
50	5	25	18	25	18	Delete "is"
51	5	25	24	25	24	Replace "+3.1±0.8" with "+3.1±1.6", to give 95% confidence limits
52	5	25	31	25	32	Delete from "The accuracy needed" on line 31 to "and thus" on line 32. Redundant comment
53	5	25	39	25	39	Delete "considered to be extremely robust" to "sea level rise of" An unnecessary statement
54	5	25	39	25	39	Replace "+3.1±0.8" with "+3.1±1.6", to give 95% confidence limits
55	5	25	40	25	40	Delete "is reliable within these error bars" I should hope so!
56	5	25	42	25	42	Delete "Note that"

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57	5	25	44	25	44	Replace "plausible" by "possible"
58	5	25	45	25	45	"This number". Which number is that, "-0.3" or "+0.15"???
59	5	25	48	25	48	Delete "An important result of"
60	5	25	48	25	48	Replace "is" by "allows"
61	5	35	51	25	51	Delete "unambiguous"
62	5	26	1	26	1	Replace "signature" by ":influence"
63	5	26	19	26	19	Delete "however"
64	5	26	23	26	23	Replace "trends" by "changes"
65	5	26	25	26	35	Replace "linear" by "pseudo-linear"
66	5	27	12	27	12	Replace "a significant" with "an"
67	5	27	12	27	12	Replace "1.3±0.6" with "1.3±1.2", to give 95% confidence limits
68	5	27	24	27	24	Delete "significantyly"
69	5	28	9	28	9	Add at end "And the absence of allowances for removal of ground water, weight of buildings (such as air bases or luxury hotels) and the effects of cyclones"
70	5	28	20	28	20	Replace "1.9±0.8" with "1.9±1.6", to give 95% confidence limits
71	5	28	26	28	26	Replace "1.2±0.8" with "1.2±1.6", to give 95% confidence limits
72	5	29	19	29	19	Replace "0.4±01" with "0.4±0.2", to give 95% confidence limits
73	5	29	25	29	25	Replace "0.33±0.08" with "0.33±0.16", to give 95% confidence limits
74	5	29	26	29	26	Replace "0.36±0.14" with "0.36±0.28", to give 95% confidence limits
75	5	29	32	29	32	Replace "0.32±0.10" with "0.32±0.20", to give 95% confidence limits
76	5	29	37	29	37	Replace "0.12±0.06" with "0.12±0.12", to give 95% confidence limits
77	5	29	41	29	41	Replace "0.42±0.14" with "0.42±0.28", to give 95% confidence limits
78	5	29	43	29	43	Replace 1.6±0.6" with "1.6±1.2", to give 95% confidence limits
79	5	30	1	30	1	Replace 1.5±0.6" with "1.5±1.2", to give 95% confidence limits
80	5	30	1	30	1	Replace 1.6±0.6" with "1.6±1.2", to give 95% confidence limits
81	5	30	8	30	8	Replace 0.04±0.02" with "0.04±0.04", to give 95% confidence limits
82	5	30	17	30	17	All the confidence intervals in this Table should be doubled , for 95% confidence
83	5	30	45	30	45	Delete "remarkable"
84	5	31	4	31	4	Replace "a significant" with "an"
85	5	32	35	32	35	Replace" 0.51±0.32" with "051±0.64", to give 95% confidence limits
86	5	32	35	32	35	Replace" 0.81±0.43" with "0.81±0.43", to give 95% confidence limits
87	5	32	37	32	37	Replace "0.05±0.12" with "0.05±0.24", to give 95% confidence limits
88	5	32	38	32	38	Replace" 0.21±0.07" with "0.21±0.14", to give 95% confidence limits

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89	5	32	39	32	40	Replace "0.14±0.13" with "0.14±0.82", to give 95% confidence limits
90	5	32	40	32	40	Replace "0.21±0.35" with "0.21±0.70", to give 95% confidence limits
91	5	34	21	34	21	All the figures in this Table need to double the confidence intervals to give 95% confidence
92	5	34	40	34	40	Replace "very precise" by "better"
93	5	34	42	34	42	Insert after "of "approximately"
94	5	34	43	34	45	Delete from "However" on line 34 to "effects" on line 34. Don't parade your ignorance!
95	5	35	25	35	25	Delete "compelling"
96	5	35	25	35	25	Replace "increased" by "fluctuated considerably"
97	5	35	26	35	26	Replace "(Figure 5.6.2.)" with ",see Figure 5.6.2"
98	5	50	2	50	3	Start with a statement that all confidence intervals in this Chapter are for 95% confidenve
99	5	54	8	54	8	Add at end "Note that such an apparently periodic graph as this cannot be considered to represent a limear trend"
100	5	55	5	55	5	Replace "linear" by "pseudo-linear"
101	5	55	6	55	6	Replace "linear" by "pseudo-linear"
102	5	56	6	56	6	Replace "linear" by "pseudo-linear"
103	5	62	5	62	5	Insert after "accuracy" "(95% confidence)"
104	5	68	8	68	8	Replace "2.9±0.40" with "2.9±0.80", to give 95% confidence limits
105	5	68	8	68	8	Replace "3.2±0.4" with "3.2±0.8", to give 95% confidence limits
106	5	79	10	79	10	Add at end "Note the comparatively poor coverage of the Southern oceans"
107	5	80	5	80	5	Delete "in Northern Hemisphere and Southern Hemisphere" It is redundant