Pacific Climate Change Science Program

Australian Government

Climate Change in the Pacific: Scientific Assessment and New Research

Errata

Last updated: 5 October 2012

Please note the following is a list of errata and corrections to *Climate Change in the Pacific: Scientific Assessment and New Research. Volume 1: Regional Overview* and *Volume 2: Country Reports.* For updates to this list please visit: www.pacificclimatechangescience.org

All errata will be corrected in the online versions of the report.

Page	Item	Correction
Volume 1		
8	Rainfall section	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "Extreme rainfall events that currently occur once every 20 years on average are generally simulated to occur four times per year, on average, by 2055 and seven times per year, on average, by 2090 under the A2 (high) scenario" The statement should read: "Extreme rainfall events that currently occur once every 20 years on average are generally simulated to occur four times per 20-year period, on average, by 2055 and seven times per 20-year period, on average, by 2090 under the A2 (high) scenario"
40	Figure 2.9	Blue arrow has been labelled "Northern Hem". It should be labelled "Southern Hem"
42	Figure 2.10	The heading on the Tuvalu graph reads "Funafuti, Tuvalu 179.22°E, 8.52° N". It should read "Funafuti, Tuvalu 179.22°E, 8.52° S"
137	Figure 5.37	Panel (a) in figure 5.37 is incorrect. It should look the same as panel (a) in figure 5.35.
148	Figure 6.1	The label "A1" should be "A2"
157	Section 6.2.7.2	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "Extreme rainfall events that currently occur once every 20 years on average are simulated to occur four times per year, on average, by 2055 and seven times per year, on average, by 2090 under the A2 (high) scenario" The statement should read: "Extreme rainfall events that currently occur once every 20 years on average are generally simulated to occur four

		times per 20-year period, on average, by 2055 and seven times per 20-year period, on average, by 2090 under the A2 (high) scenario"
158	Section 6.2.7.3	The statement below is incorrect: "moderate droughts (SPI values between -2.00 and -2.99)" The statement should read: "moderate droughts (SPI values between -1.00 and -1.49)" The statement below is incorrect: "mild droughts (SPI values between -2.00 and -2.99) and severe droughts (SPI values between -3.00 and -3.99)" The statement should read: "mild droughts (SPI values between 0 and -0.99) and severe droughts (SPI values between -1.50 and -1.99)"
178	Section 6.7.1 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "Extreme rainfall events that currently occur once every 20 years on average are generally simulated to occur four times every year by 2055 and seven times every year by 2090 under the A2 (high) scenario" The statement should read: "Extreme rainfall events that currently occur once every 20 years on average are generally simulated to occur four times per 20-year period, on average, by 2055 and seven times per 20-year period, on average, by 2090 under the A2 (high) scenario"
Volume 2		
8	Rainfall section	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "Extreme rainfall events that currently occur once every 20 years on average are generally simulated to occur four times per year, on average, by 2055 and seven times per year, on average, by 2090 under the A2 (high) scenario" The statement should read: "Extreme rainfall events that currently occur once every 20 years on average are generally simulated to occur four times per 20-year period, on average, by 2055 and seven times per 20-year period, on average, by 2090 under the A2 (high) scenario"
36 (Cook Islands)	Section 2.7.3 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "The majority of models project, by 2055 under the B1 (low) emissions scenario, that the current 1-in-20-year extreme rainfall event will occur, on average, four times every year in the Northern Cook Islands and three times every year in the Southern Cook Islands. By 2090, under

		the A2 (high) emissions scenario, the projected frequency remains relatively unchanged in the Northern Cook Islands, and increases to three to four times every year over the Southern Cook Islands" The statement should read: "The majority of models project, by 2055 under the B1 (low) emissions scenario, that the current 1-in-20-year extreme rainfall event will occur, on average, four times per 20-year period in the Northern Cook Islands and three times per 20-year period in the Southern Cook Islands. By 2090, under the A2 (high) emissions scenario, the projected frequency remains relatively unchanged in the Northern Cook Islands, and increases to three to four times per 20-year period over the Southern Cook Islands"
52 (East Timor)	Section 3.7.3 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, four times every year by 2055 under the B1 (low) emissions scenario and between five and six times every year by 2090 under the A2 (high) emissions scenario" The statement should read: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, four times per 20-year period by 2055 under the B1 (low) emissions scenario and between five and six times per 20-year period by 2090 under the A2 (high) emissions scenario"
69 (Federated States of Micronesia)	Section 4.7.3 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, two to three times every year by 2055 under the B1 (low) emissions scenario and between five and six times every year by 2090 under the A2 (high) emissions scenario" The statement should read: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, two to three times per 20-year period by 2055 under the B1 (low) emissions scenario and between five and six times per 20-year period by 2090 under the A2 (high) emissions scenario"
73 (Federated States of Micronesia)	Table 4.4	Mean Sea Level under the 2055 column for the A2 emissions scenario reads: "+20 (10-0)". It should read "+20 (10-30)" Mean Sea Level under the 2030 column for the B1 emissions scenario reads: "+9 (3-4)". It should read "+9 (3-14")
87-88 (Fiji)	Section 5.7.3 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, three times every year by 2055 under the B1 (low) emissions scenario and four to five times every year by 2090 under

		the A2 (high) emissions scenario" The statement should read: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, three times per 20-year period by 2055 under the B1 (low) emissions scenario and four to five times per 20-year period by 2090 under the A2 (high) emissions scenario"
104 (Kiribati)	Section 6.7.3 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, 5, 10 and 11-12 times every year by 2055 under the B1 (low) emissions scenario in the Gilbert, Phoenix and Line Islands, respectively. By 2090 under the A2 (high) emissions scenario, the projected frequency increases are 7-8, 18-19 and 22-23 times every year, respectively" The statement should read: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, 5, 10 and 11-12 times per 20-year period by 2055 under the B1 (low) emissions scenario in the Gilbert, Phoenix and Line Islands, respectively. By 2090 under the A2 (high) emissions scenario, the projected frequency increases are 7-8, 18-19 and 22-23 times per 20-year period, respectively"
122 (Marshall Islands)	Section 7.7.3 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, three to four times every year in the northern Marshall Islands by 2055 under the B1 (low) emissions scenario, and four to five times every year in the southern Marshall Islands. By 2090, under the A2 (high) emissions scenario, the projected frequency increases to five to six times every year in the northern Marshall Islands and seven to eight times every year in the southern Marshall Islands" The statement should read: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, three to four times per 20-year period in the northern Marshall Islands by 2055 under the B1 (low) emissions scenario, and four to five times per 20-year period in the southern Marshall Islands. By 2090, under the A2 (high) emissions scenario, the projected frequency increases to five to six times per 20-year period in the northern Marshall Islands and seven to eight times per 20-year period in the southern Marshall Islands"
137 (Nauru)	Section 8.7.3 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, three to four times every year by 2055 under the B1 (low) emissions scenario and six to seven times every year by 2090 under the A2 (high) emissions scenario" The statement should read:

		"The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, three to four times per 20-year period by 2055 under the B1 (low) emissions scenario and six to seven times per 20-year period by 2090 under the A2 (high) emissions scenario"
150 (Niue)	Section 9.7.3 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, two to three times every year by 2055 under the B1 (low) emissions scenario and three to four times every year by 2090 under the A2 (high) emissions scenario" The statement should read: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, two to three times per 20-year period by 2055 under the B1 (low) emissions scenario and three to four times per 20-year period by 2090 under the A2 (high) emissions scenario"
154 (Niue)	Table 9.3	The aragonite saturations stated in the 2030 column and the 2090 column are incorrect. Information in the 2030 column should be in the 2090 column and vice versa.
164 (Palau)	Section 10.7.3 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, two to three times every year by 2055 under the B1 (low) emissions scenario and four times every year by 2090 under the A2 (high) emissions scenario" The statement should read: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, two to three times per 20-year period by 2055 under the B1 (low) emissions scenario and four times per 20-year period by 2090 under the A2 (high) emissions scenario"
168 (Palau)	Table 10.3	The aragonite saturations stated in the 2030 column and the 2090 column are incorrect. Information in the 2030 column should be in the 2090 column and vice versa.
180 (Papua New Guinea)	Section 11.7.3 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, three to four times every year by 2055 under the B1 (low) emissions scenario and six times every year by 2090 under the A2 (high) emissions scenario" The statement should read: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, three to four times per 20-year period by 2055 under the B1 (low) emissions scenario and six times per 20-year period by 2090 under the A2 (high) emissions scenario"

191 (Samoa)	Section 12.6.4 Sea Surface Temperature	The first sentence reads: "Water temperatures in around Samoa declined". It should read: "Water temperatures around Samoa declined."
195 (Samoa)	Section 12.7.3 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, four times every year by 2055 under the B1 (low) emissions scenario and three times every year by 2090 under the A2 (high) emissions scenario" The statement should read: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, four times per 20-year period by 2055 under the B1 (low) emissions scenario and three times per 20-year period by 2090 under the A2 (high) emissions scenario"
209 (Solomon Islands)	Section 13.7.3 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, three to four times every year by 2055 under the B1 (low) emissions scenario and five times every year by 2090 under the A2 (high) emissions scenario" The statement should read: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, three to four times per 20-year period by 2055 under the B1 (low) emissions scenario and five times per 20-year period by 2090 under the A2 (high) emissions scenario"
224 (Tonga)	Section 14.7.3 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, three to four times every year by 2055 under the B1 (low) emissions scenario and five times every year by 2090 under the A2 (high) emissions scenario" The statement should read: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, three to four times per 20-year period by 2055 under the B1 (low) emissions scenario and five times per 20-year period by 2090 under the A2 (high) emissions scenario"
238 (Tuvalu)	Section 15.7.3 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, four to five times every year by 2055 under the B1 (low) emissions scenario and six to seven times every year by 2090 under the A2 (high) emissions scenario" The statement should read: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, four to five times per 20-year period by 2055 under the B1 (low) emissions scenario and six to seven times per 20-year

		period by 2090 under the A2 (high) emissions scenario"

255 (Vanuatu)	Section 16.7.3 (Rainfall)	The extreme rainfall frequencies for 2055 and 2090 are incorrect in the following statement: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, three to four times every year by 2055 under the B1 (low) emissions scenario and four times every year by 2090 under the A2 (high) emissions scenario" The statement should read: "The majority of models project that the current 1-in-20-year extreme rainfall event will occur, on average, three to four times per 20-year period by 2055 under the B1 (low) emissions scenario and four times per 20-year period by 2090 under the A2 (high) emissions scenario"
38, 53, 70, 89, 106, 124, 138, 151, 165, 182, 196, 210, 226, 239, 256	Ocean Acidification Projection plots	In all plots, the A2 and A1B scenarios are incorrectly labelled. The purple shading on the graph actually represents the A1B (medium) emissions scenario and the green shading represents the A2 (high) emissions scenario.