

APPENDIX 2
List of Coseismic Deformation
Data

Island	Region	Latitude Longitude (°,'")	Time mon./day hr:min	Vertical deformation (survey data), m	Vertical deformation tide corrected), m	Note	
Ghizo	Titiana	8 6 20.3 156 49 18.7	4/14 15:30	-1	-1.00	Eyewitness account	
	Gizo	8 6 4.1 156 50 14.6	4/14 17:25	-0.6~-0.3	-0.60~-0.30	Eyewitness account	
	Malakerava	8 6 35.2 156 50 27.3	4/15 9:32	-0.6	-0.60	Eyewitness account	
	Malakerava	8 6 27.8 156 50 43	4/15 10:28	-0.9	-0.90	Eyewitness account	
	Gizo Hospital	8 6 23.6 156 50 48.2	4/15 10:58	-0.6	-0.60	Eyewitness account	
	Anti Malaria Office	8 6 16.9 156 50 7.7	4/15 11:25	-0.6	-0.60	Eyewitness account	
	New Mandre	8 6 22 156 49 18.2	4/15 14:08	-1	-1.00	Eyewitness account	
	Logha	8 5 35.2 156 50 33.1	4/15 17:00	-0.9	-0.90	Eyewitness account	
	Sagheraghi	8 2 32.5 156 46 29.9	4/15 10:07	0	0.00	Eyewitness account	
	Suve	8 5 33.9 156 47 30.7	4/15 14:51	0	0.00	Eyewitness account	
	Pailongge	8 5 41.6 156 47 19.6	4/15 17:18	0	0.00	Eyewitness account	
	Simbo	Tapurai	8 14 45.7 156 32 9.4	4/16 11:00	subside (-)	subside (-)	Eyewitness account, the coast line moved landward
		Riguru	8 15 45.8 156 32 51.1	4/16 13:05	-0.3	-0.41	Eyewitness account, the location of the old coast line
		Lengana	8 16 42.9 156 31 57.8	4/16 14:33	-1	-1.00	Eyewitness account
Ranongga	Keara	8 7 38.7 156 33 36.7	4/1710:55	>1.5	>1.76	The average height of tops of corals exposed by uplift.	
	Keara	8 7 38.7	4/1710:55	>1.6	>1.86	The average height of tops of	

		156 33 36.7				corals exposed by uplift.
	Keara	8 7 38.7	4/17 10:55	>1.3	>1.56	The average height of tops of corals exposed by uplift.
		156 33 36.7				
	Keara	8 7 38.7	4/17 10:55	>1.2	>1.46	The average height of tops of corals exposed by uplift.
		156 33 36.7				
	Keara	8 7 38.6	4/17 11:20	1.5	1.06	Eyewitness account, high tide level before the event
		156 33 38.8				
	Lale	8 10 25.8	4/17 12:15	3	2.52	Eyewitness account, rocks completely or partially submerged before the event.
		156 34 41.9				
	Lale	8 10 25.8	4/17 12:15	3.4	2.92	Eyewitness account, the base of a tree, shows a high tide level before the event.
		156 34 41.9				
	Lale	8 10 25.8	4/17 12:15	2.7-2.9	2.42	The height of white lines, indicating the mean high sea level before the event
		156 34 41.9				
	Saguru	8 5 49	4/17 14:10	2.4-3.0	2.50	The height of white lines
		156 32 15.3				
	Saguru	8 5 49	4/17 14:10	>1.6	>1.77	The average height of tops of corals exposed by uplift.
		156 32 15.3				
	Mondo	8 2 17.6	4/17 15:00	2.68-3.08	2.58	Eyewitness accounts, mean sea level before the event.
		156 32 12.2				
	Vori	7 56 49.2	4/17 16:17	>0.95	>1.16	The average height of tops of corals exposed by uplift.
		156 30 50.8				
	Koriovuku	7 56 43.3	4/17 17:06	1.8	1.37	Eyewitness accounts, high sea level before the event
		156 33 10.2				
	Pienuna	8 1 41.7	4/17 17:56	2.2-2.6	2.20	Eyewitness accounts, mean sea level before the event.
		156 35 7.2				
	Keara	8 7 39.7	4/17 11:14	>1.2	>1.44	The average height of tops of corals exposed by uplift.
		156 33 40.4				
	Lale	8 10 25	4/17 12:24	3.1-3.8	3.32	The height of white lines
		156 34 41				
	Saguru	8 5 50.6	4/17 14:26	2.9	2.40	The height of white lines
		156 32 17.1				
	Vori	7 56 49.5	4/17 16:20	>0.7	>0.91	The average height of tops of corals exposed by uplift.
		156 30 50.1				

	Koriovuku	7 56 45.6 156 30 41.9	4/17 17:09	2	1.89	Eyewitness accounts, mean sea level before the event.
	Pienuna	8 1 42.4 156 35 7.6	4/17 17:58	2.44	2.36	Eyewitness accounts, mean sea level before the event.
	Pienuna	8 1 43.6 156 35 7.7	4/17 18:00	2.36	2.28	Eyewitness accounts, mean sea level before the event.
Vella Lavella	Sambora	7 55 49 156 40 56.5	4/18 10:42	0	0.00	Eyewitness account
	Sekasakuru (Varese)	7 53 49.3 156 39 16.3	4/18 11:59	0	0.00	Eyewitness account
	Sekasakuru	7 53 47.8 156 39 16.8		0.88	0.88	Eyewitness account, the difference of high tide levels before and after the event.
	Pakapaka	7 55 21.6 156 38 37.7	4/18 12:30	0.7-1.1	0.55	The height of white lines
	Maravari	7 51 16.2 156 42 53.3	4/18 13:30	-0.4	-0.40	Eyewitness account
	Niarovai	7 47 30.4 156 46 5.5	4/18 14:46	-1	-1.00	Eyewitness accounts, mean sea level before the event.
	Lamb Lamb	7 43 3 156 46 34.3	4/18 15:46	-0.75	-0.75	Eyewitness account, the difference of high tide levels before and after the event.
Kilimbangara	Kukundu	8 1 18 156 56 46.2	4/18 17:20	-0.35	-0.35	Eyewitness account, the difference of high tide levels before and after the event.
Parara	Rarumana	8 12 17.9 157 0 45.7	7/24 11:15	1.52	1.22	Eyewitness accounts, mean sea level before the event.
	Rarumana	8 12 23.5 157 1 0.7	7/24 11:53	1.39	1.06	Eye witness accounts, mean sea level before the event.
	Vive	8 12 17.4 157 4 57.9	7/24	0.36	-0.36	Eyewitness account, the difference of high tide levels before and after the event.
	near Vive	8 11 3.7 157 1 15.8	7/24	0	0.00	Eyewitness account
	Savanga ? (near Vive)	8 11 45.1 157 5 20.4	7/24	0	0.00	Eyewitness account

	Givusu	8 15 22.2 157 5 54.1	7/24	0.47	0.47	Eyewitness account, the difference of high tide levels before and after the event.
New Georga	Noro	8 14 21.6 157 11 50.2	7/27	0	0.00	Eyewitness account
	Munda	8 19 47.6 157 16 14.4	7/27	0	0.00	Eyewitness account
Renova	Randuvu	8 25 28.7 157 16 48.7	7/27	-0.41	-0.41	Eyewitness account, the difference of high tide levels before and after the event.
	Kenelo	8 28 26.9 157 16 30.5	7/27	0.2	0.2	Eyewitness account, the difference of high tide levels before and after the event.
	Hoppongo	8 33 50.1 157 11 53.6	7/27	0.5	0.5	Eyewitness account, the difference of high tide levels before and after the event.