

## Metadata Notification

15 April 2019

Please note that the station YBAL was deployed on an aerostat and did not have a fixed location, as the metadata suggests. Below, we show the exact sensor location information for the 80 explosions discussed in Iezzi et al. (*in review*). The uploaded files begin 5 seconds prior to each explosion onset and are 20 seconds in duration.

Please direct any further questions to Alex Iezzi (amiezzi@alaska.edu) and Arthur Jolly (A.Jolly@gns.cri.nz).

Iezzi, A.M., Fee, D., Kim, K., Jolly, A.D., Matoza, R.S. (*in review*), 3-D Acoustic Multipole Waveform Inversion at Yasur Volcano, Vanuatu, *Journal of Geophysical Research: Solid Earth*.

Event Name	Vent	Event Time	Latitude	Longitude	Elevation [m]
YBAL.3C1	C	2016-07-30T23:11:07.620000	-19.53169256	169.4495409	369
YBAL.3C2	C	2016-07-30T23:32:40.300000	-19.53147604	169.4472334	406
YBAL.3C3	C	2016-07-30T23:42:11.200000	-19.53156404	169.4471409	403
YBAL.3C4	C	2016-07-30T23:44:51.300000	-19.53155854	169.4471339	403
YBAL.3C5	C	2016-07-30T23:45:19.200000	-19.53156754	169.4470909	400
YBAL.3C6	C	2016-07-31T00:10:50.900000	-19.52967057	169.4498694	380
YBAL.3C7	C	2016-07-31T01:01:08.500000	-19.52846857	169.4498639	344
YBAL.3C8	C	2016-07-31T01:05:25.680000	-19.52866407	169.4497319	333
YBAL.3C9	C	2016-07-31T01:19:03.850000	-19.52783256	169.4496859	358
YBAL.3C10	C	2016-07-31T02:02:34.200000	-19.52798807	169.4504214	358
YBAL.3C11	C	2016-07-31T02:06:13.400000	-19.52787457	169.4501639	319
YBAL.3C12	C	2016-07-31T02:26:05.550000	-19.52819607	169.4503284	340
YBAL.3C13	C	2016-07-31T02:26:25.300000	-19.52818507	169.4503009	337
YBAL.3C14	C	2016-07-31T02:30:06.800000	-19.52823707	169.4504204	347
YBAL.3C15	C	2016-07-31T02:46:12.050000	-19.52799107	169.4503444	351
YBAL.3C16	C	2016-07-31T02:47:18.000000	-19.52794757	169.4503929	356
YBAL.3C17	C	2016-07-31T02:49:46.020000	-19.52795107	169.4502894	345
YBAL.3C18	C	2016-07-31T02:54:55.150000	-19.52780507	169.4503464	350
YBAL.3C19	C	2016-07-31T03:02:12.970000	-19.52803007	169.4502219	332
YBAL.3C20	C	2016-07-31T03:15:21.620000	-19.52662806	169.4496169	393
YBAL.3C21	C	2016-07-31T03:19:58.700000	-19.52687706	169.4494674	380
YBAL.3C22	C	2016-07-31T03:20:04.880000	-19.52687706	169.4494674	380
YBAL.3C23	C	2016-07-31T03:28:29.000000	-19.52749057	169.4501704	361
YBAL.3C24	C	2016-07-31T03:28:38.200000	-19.52746807	169.4501784	361
YBAL.3C25	C	2016-07-31T03:29:47.600000	-19.52746457	169.4501489	361
YBAL.3C26	C	2016-07-31T03:37:08.100000	-19.52714357	169.4503769	368
YBAL.3C27	C	2016-07-31T03:50:05.000000	-19.52740057	169.4502839	361

YBAL.3C28	C	2016-07-31T03:54:55.500000	-19.52752857	169.4501214	361
YBAL.3C29	C	2016-07-31T04:17:06.950000	-19.52739457	169.4498674	347
YBAL.3C30	C	2016-07-31T04:32:41.720000	-19.52796057	169.4499019	400
YBAL.3C31	C	2016-07-31T04:45:18.000000	-19.52814957	169.4498094	397
YBAL.3C32	C	2016-07-31T04:55:07.650000	-19.52787907	169.4499489	401
YBAL.3C33	C	2016-07-31T05:08:31.280000	-19.52794857	169.4499154	401
YBAL.3C34	C	2016-07-31T05:31:27.150000	-19.52886557	169.4497259	369
YBAL.3C35	C	2016-07-31T05:34:56.250000	-19.52885657	169.4497324	369
YBAL.3C36	C	2016-07-31T05:41:38.250000	-19.52888857	169.4497724	369
YBAL.3C37	C	2016-07-31T05:46:19.550000	-19.52885657	169.4497549	369
YBAL.3A1	A	2016-07-31T23:24:41.280000	-19.53133506	169.4493249	367
YBAL.3A2	A	2016-07-31T23:27:42.800000	-19.53135856	169.4493529	372
YBAL.3A3	A	2016-07-31T23:29:47.550000	-19.53164056	169.4492914	391
YBAL.3C38	C	2016-07-31T23:31:08.710000	-19.53151856	169.4492459	380
YBAL.3A4	A	2016-07-31T23:35:08.920000	-19.53157056	169.4492999	388
YBAL.3A5	A	2016-07-31T23:42:22.370000	-19.53147006	169.4492419	376
YBAL.3A6	A	2016-07-31T23:47:18.450000	-19.53155856	169.4492844	386
YBAL.3A7	A	2016-07-31T23:48:20.400000	-19.53172506	169.4493714	399
YBAL.3A8	A	2016-08-01T00:16:25.650000	-19.53312906	169.4491824	350
YBAL.3C39	C	2016-08-01T00:29:31.250000	-19.53294206	169.4492599	342
YBAL.3A9	A	2016-08-01T00:30:06.970000	-19.53306056	169.4491539	343
YBAL.3A10	A	2016-08-01T00:49:20.420000	-19.53214005	169.4478094	408
YBAL.3A11	A	2016-08-01T00:52:16.420000	-19.53204005	169.4478584	404
YBAL.3A12	A	2016-08-01T01:03:07.750000	-19.53252655	169.4478774	445
YBAL.3A13	A	2016-08-01T01:05:14.010000	-19.53248104	169.4477179	424
YBAL.3A14	A	2016-08-01T01:06:04.430000	-19.53235454	169.4477484	419
YBAL.3A15	A	2016-08-01T01:14:02.850000	-19.53207455	169.4479209	415
YBAL.3A16	A	2016-08-01T01:16:34.300000	-19.53217754	169.4477564	404
YBAL.3A17	A	2016-08-01T01:17:37.450000	-19.53215555	169.4478414	413
YBAL.3A18	A	2016-08-01T01:34:42.350000	-19.53262605	169.4483994	386
YBAL.3A19	A	2016-08-01T01:41:48.460000	-19.53264205	169.4486914	422
YBAL.3A20	A	2016-08-01T01:46:35.550000	-19.53292305	169.4485244	429
YBAL.3C40	C	2016-07-31T05:41:38.250000	-19.52888857	169.4497724	369
YBAL.3A21	A	2016-08-01T01:57:12.750000	-19.53242355	169.4485634	383
YBAL.3A22	A	2016-08-01T02:11:17.750000	-19.53209554	169.4469444	397
YBAL.3A23	A	2016-08-01T02:40:20.000000	-19.53210154	169.4468864	390
YBAL.3A24	A	2016-08-01T03:21:59.420000	-19.53160102	169.4452634	387
YBAL.3A25	A	2016-08-01T03:22:17.900000	-19.53162702	169.4452224	385
YBAL.3A26	A	2016-08-01T03:50:22.600000	-19.53118856	169.4489789	365
YBAL.3A27	A	2016-08-01T03:55:13.700000	-19.53135756	169.4491629	416
YBAL.3A28	A	2016-08-01T04:00:56.600000	-19.53157306	169.4490224	426

YBAL.3A29	A	2016-08-01T04:03:15.050000	-19.53146856	169.4489279	403
YBAL.3A30	A	2016-08-01T04:13:47.720000	-19.53130806	169.4491809	411
YBAL.3A31	A	2016-08-01T04:24:20.620000	-19.53121606	169.4491189	390
YBAL.3A32	A	2016-08-01T04:27:46.500000	-19.53119806	169.4490159	373
YBAL.3A33	A	2016-08-01T04:39:06.580000	-19.53117506	169.4491844	391
YBAL.3A34	A	2016-08-01T04:41:29.250000	-19.53107806	169.4492769	385
YBAL.3A35	A	2016-08-01T04:53:12.870000	-19.53020957	169.4497679	388
YBAL.3A36	A	2016-08-01T04:54:02.830000	-19.53015357	169.4498269	385
YBAL.3A37	A	2016-08-01T05:00:09.170000	-19.53019357	169.4497814	387
YBAL.3A38	A	2016-08-01T05:01:16.750000	-19.53015107	169.4498029	382
YBAL.3A39	A	2016-08-01T05:04:58.080000	-19.53008657	169.4497984	370
YBAL.3A40	A	2016-08-01T05:08:14.520000	-19.53024006	169.4496244	375