

Andreanov earthquake at 04:04:00 June 10, 1996 = 162.169444

Table information

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| plot number | Latitude [°N] | Longitude [°E] | Station      | Id  | Sensor | dt [sec] | T | ETA [hrs] | file Start UTC June 1996 | file End UTC June 1996 | record length | Mean [m] | Contact   |
|-------------|---------------|----------------|--------------|-----|--------|----------|---|-----------|--------------------------|------------------------|---------------|----------|-----------|
| 1           | 44.0172       | 144.2897       | Abashiri     | JMA |        | 60       | ? | 4.4431    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.681    | Y.Tanioka |
| 2           | 43.3417       | 145.5900       | Nemuro       | JMA |        | 60       | N | 4.4444    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.957    | Y.Tanioka |
| 3           | 42.9722       | 144.3750       | Kushiro      | JMA |        | 60       | N | 4.1014    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.866    | Y.Tanioka |
| 4           | 42.1617       | 142.7750       | Urakawa      | JMA |        | 60       | ? | 4.1275    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.858    | Y.Tanioka |
| 5           | 41.7792       | 140.7283       | Hakodate     | JMA |        | 60       | N | 4.1275    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.471    | Y.Tanioka |
| 6           | 40.5289       | 141.5314       | Hachinohe    | JMA |        | 60       | ? | 4.5111    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.826    | Y.Tanioka |
| 7           | 39.6408       | 141.9789       | Miyako       | JMA |        | 60       | N | 4.4178    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.822    | Y.Tanioka |
| 8           | 39.0167       | 141.7572       | Ofunato      | JMA |        | 60       | ? | 4.4178    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.842    | Y.Tanioka |
| 9           | 38.4167       | 141.2667       | Ishinomaki   | JMA |        | 60       | Y | 4.4389    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.874    | Y.Tanioka |
| 10          | 36.9339       | 140.8953       | Onahama      | JMA |        | 60       | N | 4.4497    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.750    | Y.Tanioka |
| 11          | 35.7333       | 140.0483       | Cyoshi       | JMA |        | 60       | N | 5.8458    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.791    | Y.Tanioka |
| 12          | 35.6456       | 139.7733       | Tokyo        | JMA |        | 60       | N | 5.8458    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.093    | Y.Tanioka |
| 13          | 35.5650       | 140.0483       | Chiba        | JMA |        | 60       | N | 5.8458    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.072    | Y.Tanioka |
| 14          | 35.4650       | 139.6403       | Yokohama     | JMA |        | 60       | ? | 5.8458    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.018    | Y.Tanioka |
| 15          | 35.2778       | 139.6797       | Yokosuka     | JMA |        | 60       | N | 5.0444    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.019    | Y.Tanioka |
| 16          | 35.1567       | 139.6183       | Aburatsubo   |     |        | 60       | N | 5.8458    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.803    | Y.Tanioka |
| 17          | 35.1500       | 139.1500       | Manazuru     |     |        | 60       | N | 5.3053    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 2.547    | Y.Tanioka |
| 18          | 35.0881       | 136.8839       | Nagoya       | JMA |        | 60       | N | 5.8417    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.338    | Y.Tanioka |
| 19          | 35.0142       | 138.8986       | Uchiura      | JMA |        | 60       | ? | 5.3053    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.896    | Y.Tanioka |
| 20          | 35.0086       | 138.5208       | Shimizuko    | JMA |        | 60       | ? | 5.3053    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.873    | Y.Tanioka |
| 21          | 34.9500       | 136.6333       | Yokkaichi    | JMA |        | 60       | N | 5.6111    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.402    | Y.Tanioka |
| 22          | 34.9483       | 139.1383       | Ito          | JMA |        | 60       | N | 5.3053    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 2.213    | Y.Tanioka |
| 23          | 34.9156       | 139.8281       | Tateyama     | JMA |        | 60       | N | 5.0444    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.861    | Y.Tanioka |
| 24          | 34.8667       | 136.9333       | Taketoyo     | JMA |        | 60       | N | 5.6111    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.272    | Y.Tanioka |
| 25          | 34.8667       | 138.3300       | Yaizu        | JMA |        | 60       | Y | 5.5761    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 3.134    | Y.Tanioka |
| 26          | 34.8033       | 138.7667       | Tago         |     |        | 60       | N | 5.3053    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 2.445    | Y.Tanioka |
| 27          | 34.8000       | 140.5167       | Boso-Obs3    |     |        | 60       | ? | 5.3053    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | -2.917   | Y.Tanioka |
| 28          | 34.7861       | 139.3944       | Oshima       | JMA |        | 60       | ? | 5.3053    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.810    | Y.Tanioka |
| 29          | 34.7500       | 140.7500       | Boso-Obs2    |     |        | 60       | N | 4.8236    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 14.499   | Y.Tanioka |
| 30          | 34.6789       | 137.6119       | Maisaka      | JMA |        | 60       | N | 5.5761    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.646    | Y.Tanioka |
| 31          | 34.6500       | 140.9833       | Boso-Obs1    |     |        | 60       | N | 4.8236    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | -6.846   | Y.Tanioka |
| 32          | 34.6217       | 138.8900       | Minamiizu    |     |        | 60       | ? | 5.3053    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 2.705    | Y.Tanioka |
| 33          | 34.6053       | 138.2250       | Omaezaki     | JMA |        | 60       | Y | 5.5761    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.935    | Y.Tanioka |
| 34          | 34.4819       | 136.8275       | Toba         | JMA |        | 60       | N | 5.6525    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.154    | Y.Tanioka |
| 35          | 34.2186       | 135.1483       | Wakayama     | JMA |        | 60       | N | 6.1250    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.173    | Y.Tanioka |
| 36          | 34.2050       | 139.1367       | Kozujima     | JMA |        | 60       | ? | 5.3053    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.276    | Y.Tanioka |
| 37          | 34.0733       | 136.2103       | Owase        | JMA |        | 60       | Y | 5.6111    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.945    | Y.Tanioka |
| 38          | 34.0600       | 139.4833       | Miyakejima   | JMA |        | 60       | ? | 5.0444    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 2.322    | Y.Tanioka |
| 39          | 34.0058       | 134.5900       | Komatsujima  | JMA |        | 60       | ? | 5.9194    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.079    | Y.Tanioka |
| 40          | 33.7667       | 137.5833       | Tokai-Obs    |     |        | 60       | N | 5.4528    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 6.476    | Y.Tanioka |
| 41          | 33.6800       | 135.3786       | Shirahama    | JMA |        | 60       | N | 6.1250    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.131    | Y.Tanioka |
| 42          | 33.5547       | 135.8989       | Uragami      | JMA |        | 60       | Y | 5.8222    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.962    | Y.Tanioka |
| 43          | 33.4975       | 133.5786       | Kochi        | JMA |        | 60       | N | 6.1178    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.179    | Y.Tanioka |
| 44          | 33.4725       | 135.7761       | Shionomisaki | JMA |        | 60       | ? | 5.8222    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.112    | Y.Tanioka |
| 45          | 33.2631       | 134.1672       | Murotomisaki | JMA |        | 60       | N | 6.1178    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.245    | Y.Tanioka |

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|-------------|---------------|----------------|---------------------------|--------------|----------|----------|---|-----------|--------------------------|------------------------|---------------|----------|------------|
| 46          | 33.1278       | 139.8083       | Hachijyohima              | JMA          |          | 60       | Y | 5.1222    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.020    | Y.Tanioka  |
| 47          | 32.7758       | 132.9614       | Tosashimizu               | JMA          |          | 60       | N | 6.3692    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.251    | Y.Tanioka  |
| 48          | 32.7311       | 129.8689       | Nagasaki                  | JMA          |          | 60       | N | 8.8889    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.725    | Y.Tanioka  |
| 49          | 32.6833       | 128.8519       | Fukue                     | JMA          |          | 60       | N | 9.1219    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.655    | Y.Tanioka  |
| 50          | 32.6197       | 130.4539       | Misumi                    | JMA          |          | 60       | ? | 8.8889    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 2.302    | Y.Tanioka  |
| 51          | 32.6019       | 130.1969       | Kuchinotsu                | JMA          |          | 60       | N | 8.8889    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 2.015    | Y.Tanioka  |
| 52          | 32.4333       | 131.6667       | Hyugashirahama            |              |          | 60       | N | 6.3692    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.152    | Y.Tanioka  |
| 53          | 31.5775       | 130.5728       | Kagoshima                 | JMA          |          | 60       | N | 6.6319    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.589    | Y.Tanioka  |
| 54          | 31.5733       | 131.4114       | Aburatsu                  | JMA          |          | 60       | ? | 8.1361    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.208    | Y.Tanioka  |
| 55          | 31.2642       | 130.2953       | Makurazaki                | JMA          |          | 60       | ? | 7.9025    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.501    | Y.Tanioka  |
| 56          | 27.0911       | 142.1914       | Chichijima                | JMA          |          | 60       | Y | 5.4139    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 0.504    | Y.Tanioka  |
| 57          | 26.2089       | 127.6675       | Naha                      | JMA          |          | 60       | ? | 7.3775    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.272    | Y.Tanioka  |
| 58          | 24.3317       | 124.1558       | Ishigakijima              | JMA          |          | 60       | N | 8.0611    | 08 00:00:00=160.000000   | 13 00:00:00=165.000000 | 7201          | 1.197    | Y.Tanioka  |
| 59          | 28.2117       | -177.3600      | Midway                    | NOS 16199108 | Druck    | 15       | Y | 3.1500    | 08 07:08:20=160.297454   | 13 23:29:50=165.979051 | 32727         | 1.769    | J.Wendland |
| 60          | 28.2010       | -177.3510      | Midway, Hawaii            | PTWC         | BUB      | 120      | Y | 3.1650    | 09 00:00:00=161.000000   | 13 22:58:00=165.956944 | 3570          | 1.495    | B.Kilonsky |
| 61          | 23.7830       | -166.2170      | Tern, Fr. Frigate, Hawaii | UHSLC        | BUB      | 120      | Y | 4.1900    | 08 23:29:00=160.978472   | 13 23:27:00=165.977083 | 3600          | 0.768    | B.Kilonsky |
| 62          | 21.9600       | -159.3700      | Nawiliwili, Kauai, Hawaii | PTWC         | ENC      | 120      | Y | 4.7125    | 08 22:06:00=160.920834   | 10 22:00:00=162.916667 | 1438          | 0.097    | B.Kilonsky |
| 63          | 21.9550       | -159.3567      | Nawiliwili                | NOS 16114008 | Druck    | 15       | Y | 4.5333    | 08 06:40:20=160.278009   | 13 23:01:50=165.959606 | 32727         | 1.547    | J.Wendland |
| 64          | 21.9550       | -159.3567      | Nawiliwili                | NOS 16114001 | Aquatrak | 60       | Y | 4.5333    | 09 03:19:00=161.138194   | 15 23:18:00=167.970833 | 9840          | 0.972    | J.Wendland |
| 65          | 21.6000       | -158.1100      | Haleiwa, Oahu, Hawaii     | PTWC         | ENC      | 120      | Y | 4.7344    | 09 01:26:00=161.059723   | 11 01:16:00=163.052779 | 1436          | 0.060    | B.Kilonsky |
| 66          | 21.4400       | -158.1700      | Waianae, Oahu, Hawaii     | PTWC         | ENC      | 120      | Y | 4.7344    | 09 02:10:00=161.090278   | 11 02:00:00=163.083334 | 1436          | 0.166    | B.Kilonsky |
| 67          | 21.4333       | -157.7900      | Mokuoloe                  | NOS 16124808 | Druck    | 15       | Y | 4.7333    | 08 06:10:21=160.257187   | 13 22:31:51=165.938784 | 32727         | 1.473    | J.Wendland |
| 68          | 21.4333       | -157.7900      | Mokuoloe                  | NOS 16124801 | Aquatrak | 60       | Y | 4.7333    | 09 03:52:00=161.161111   | 16 21:51:00=168.910417 | 11160         | 1.153    | J.Wendland |
| 69          | 21.3232       | -157.6715      | Makapu'u, Oahu, Hawaii    | PTWC         | ENC      | 120      | Y | 4.7344    | 09 00:42:00=161.029167   | 11 00:32:00=163.022223 | 1436          | 0.276    | B.Kilonsky |
| 70          | 21.3040       | -157.8670      | Honolulu, Oahu, Hawaii    | PTWC         | PTW      | 120      | ? | 4.7344    | 09 03:18:00=161.137500   | 11 03:08:00=163.130556 | 1436          | 0.188    | B.Kilonsky |
| 71          | 21.3033       | -157.8650      | Honolulu                  | NOS 16123408 | Druck    | 15       | Y | 4.7333    | 09 01:08:05=161.047280   | 14 17:29:35=166.728877 | 32727         | 1.120    | J.Wendland |
| 72          | 21.3033       | -157.8650      | Honolulu                  | NOS 16123401 | Aquatrak | 60       | Y | 4.7333    | 09 02:44:00=161.113889   | 15 18:13:00=167.759028 | 9570          | 1.329    | J.Wendland |
| 73          | 20.8980       | -156.4720      | Kahului, Maui, Hawaii     | PTWC         | ENC      | 120      | Y | 4.9958    | 09 01:02:00=161.043056   | 11 00:52:00=163.036112 | 1436          | -0.168   | B.Kilonsky |
| 74          | 20.8950       | -156.4683      | Kahului                   | NOS 16156808 | Druck    | 15       | Y | 5.0000    | 08 08:33:05=160.356308   | 14 00:54:35=166.037905 | 32727         | 1.832    | J.Wendland |
| 75          | 20.8950       | -156.4683      | Kahului                   | NOS 16156801 | Aquatrak | 60       | Y | 5.0000    | 09 01:33:00=161.064583   | 17 09:32:00=169.397222 | 12000         | 1.059    | J.Wendland |
| 76          | 20.8750       | -156.6920      | Lahaina, Maui, Hawaii     | PTWC         | PTW      | 120      | ? | 4.9917    | 09 03:04:00=161.127778   | 11 02:54:00=163.120834 | 1436          | 0.232    | B.Kilonsky |
| 77          | 20.0367       | -155.8300      | Kawaihae                  | NOS 16174331 | Druck    | 60       | Y | 5.0000    | 09 00:06:00=161.004167   | 15 21:05:00=167.878473 | 9900          | 1.044    | J.Wendland |
| 78          | 19.7300       | -155.0567      | Hilo                      | NOS 16177608 | Druck    | 15       | Y | 5.4167    | 08 00:25:35=160.017766   | 13 16:46:50=165.699190 | 32726         | 2.500    | J.Wendland |
| 79          | 19.7300       | -155.0567      | Hilo                      | NOS 16177601 | Aquatrak | 60       | Y | 5.4167    | 09 02:39:00=161.110417   | 14 16:38:00=166.693056 | 8040          | 1.544    | J.Wendland |
| 80          | 19.5000       | -154.8170      | Kapoho, Hawaii, Hawaii    | PTWC         | ENC      | 120      | N | 5.1833    | 09 02:36:00=161.108334   | 11 02:26:00=163.101390 | 1436          | 0.398    | B.Kilonsky |
| 81          | 19.2900       | 166.6183       | Wake                      | NOS 18900008 | Druck    | 15       | ? | 4.7500    | 08 09:07:20=160.380093   | 14 01:28:50=166.061690 | 32727         | 2.777    | J.Wendland |
| 82          | 19.2900       | 166.6183       | Wake                      | NOS 18900001 | Aquatrak | 60       | ? | 4.7500    | 09 00:45:00=161.031250   | 15 20:44:00=167.863889 | 9840          | 1.523    | J.Wendland |
| 83          | 19.2892       | 166.6213       | Wake, Territory           | PTWC         | BUB      | 120      | ? | 4.7483    | 08 23:54:00=160.995833   | 13 23:52:00=165.994444 | 3600          | 1.185    | B.Kilonsky |
| 84          | 16.7390       | -169.5233      | Johnston, Territory       | PTWC         | BUB      | 120      | ? | 5.1192    | 08 23:36:00=160.983333   | 13 23:34:00=165.981944 | 3600          | 2.022    | B.Kilonsky |
| 85          | 16.7383       | -169.5300      | Johnston Island           | NOS 16190008 | Druck    | 15       | ? | 5.1167    | 08 01:52:20=160.078009   | 13 18:13:50=165.759606 | 32727         | 1.819    | J.Wendland |
| 86          | 16.7383       | -169.5300      | Johnston Island           | NOS 16190001 | Aquatrak | 60       | Y | 5.1167    | 09 02:09:00=161.089583   | 15 19:08:00=167.797222 | 9660          | 0.939    | J.Wendland |
| 87          | 60.1200       | -149.4267      | Seward                    | NOS 94550908 | IMO      | 15       | ? | 4.1833    | 08 23:12:36=160.967083   | 14 15:33:51=166.648507 | 32726         | 3.428    | J.Wendland |
| 88          | 60.1200       | -149.4267      | Seward                    | NOS 94550901 | Aquatrak | 60       | ? | 4.1833    | 09 02:52:00=161.119444   | 16 08:51:00=168.368750 | 10440         | 3.463    | J.Wendland |
| 89          | 59.5483       | -139.7350      | Yakutat                   | NOS 94532208 | IMO      | 15       | ? | 4.0333    | 08 06:33:20=160.273148   | 13 22:41:05=165.945197 | 32672         | 5.235    | J.Wendland |
| 90          | 59.5483       | -139.7350      | Yakutat                   | NOS 94532201 | Aquatrak | 60       | ? | 4.0333    | 08 16:41:00=160.695139   | 11 20:40:00=163.861111 | 4560          | 2.222    | J.Wendland |

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|-------------|---------------|----------------|----------------------------|--------------|----------|----------|---|-----------|--------------------------|------------------------|---------------|----------|------------|
| 91          | 57.7317       | -152.5117      | Kodiak                     | NOS 94572928 | IMO      | 15       | Y | 2.7333    | 08 09:07:20=160.380093   | 14 01:28:50=166.061690 | 32727         | 2.777    | J.Wendland |
| 92          | 57.7317       | -152.5117      | Kodiak                     | NOS 94572921 | Aquatrak | 60       | Y | 2.7333    | 09 04:06:00=161.170833   | 15 22:44:00=167.947222 | 9759          | 9.160    | J.Wendland |
| 93          | 57.4400       | -152.2900      | Kodiak, Alaska             | PTWC         | BUB      | 120      | Y | 2.7372    | 08 23:34:00=160.981944   | 13 23:32:00=165.980555 | 3600          | 2.528    | B.Kilonsky |
| 94          | 57.0517       | -135.3417      | Sitka                      | NOS 94516008 | Druck    | 15       | Y | 4.3333    | 08 19:00:35=160.792072   | 14 11:22:05=166.473669 | 32727         | 3.850    | J.Wendland |
| 95          | 57.0517       | -135.3417      | Sitka                      | NOS 94516001 | Aquatrak | 60       | Y | 4.3333    | 09 03:25:00=161.142361   | 16 02:17:00=168.095139 | 10013         | 2.933    | J.Wendland |
| 96          | 55.3333       | -160.5017      | Sand Point                 | NOS 94594501 | Aquatrak | 60       | Y | 2.3333    | 09 03:04:00=161.127778   | 16 12:03:00=168.502084 | 10620         | 10.330   | J.Wendland |
| 97          | 54.2902       | -158.5470      | AK70                       | PMEL         | BPR      | 15       | Y | 2.0667    | 09 00:00:00=161.000000   | 14 00:00:00=166.000000 | 28801         | 1751.928 | M. Eble    |
| 98          | 53.8800       | -166.5383      | Dutch Hbr,Unalaska         | NOS 94626208 | IMO      | 15       | Y | 1.6167    | 08 08:56:20=160.372454   | 14 01:17:50=166.054051 | 32727         | 2.901    | J.Wendland |
| 99          | 53.8800       | -166.5383      | Dutch Hbr,Unalaska         | NOS 94626201 | Aquatrak | 60       | Y | 1.6167    | 09 01:57:00=161.081250   | 16 00:56:00=168.038889 | 10020         | 1.265    | J.Wendland |
| 100         | 53.5300       | -166.3200      | Dutch Hbr,Unalaska, Alaska | PTWC         | BUB      | 120      | ? | 1.4056    | 08 23:33:00=160.981250   | 13 22:31:00=165.938194 | 3570          | 2.530    | B.Kilonsky |
| 101         | 53.4233       | -157.2777      | AK71                       | PMEL         | BPR      | 15       | Y | 2.0333    | 09 00:00:00=161.000000   | 14 00:00:00=166.000000 | 28801         | 4831.798 | M. Eble    |
| 102         | 52.0392       | -158.7513      | AK72                       | PMEL         | BPR      | 15       | Y | 1.8167    | 09 00:00:00=161.000000   | 14 00:00:00=166.000000 | 28801         | 4943.092 | M. Eble    |
| 103         | 52.0182       | -155.7235      | AK73                       | PMEL         | BPR      | 15       | Y | 2.0667    | 09 00:00:00=161.000000   | 14 00:00:00=166.000000 | 28801         | 4872.032 | M. Eble    |
| 104         | 51.8633       | -176.6317      | Adak                       | NOS 94613808 | Druck    | 15       | Y | 0.1500    | 08 08:16:20=160.344676   | 14 00:37:50=166.026273 | 32727         | 2.535    | J.Wendland |
| 105         | 51.8633       | -176.6317      | Adak                       | NOS 94613801 | Aquatrak | 60       | Y | 0.1500    | 09 03:24:00=161.141667   | 15 19:09:00=167.797917 | 9586          | 1.468    | J.Wendland |
| 106         | 51.5200       | -176.3800      | Adak, Alaska               | PTWC         | ADR      | 120      | Y | 0.2972    | 08 23:32:00=160.980556   | 13 23:30:00=165.979167 | 3600          | 2.231    | B.Kilonsky |
| 107         | 51.5200       | -176.3800      | Adak, Alaska               | PTWC         | BUB      | 120      | Y | 0.2972    | 08 23:32:00=160.980556   | 13 23:30:00=165.979167 | 3600          | 2.231    | B.Kilonsky |
| 108         | 48.3667       | -124.6117      | Neah Bay                   | NOS 94430908 | Druck    | 15       | Y | 5.4500    | 09 01:27:51=161.061007   | 14 17:49:21=166.742604 | 32727         | 3.496    | J.Wendland |
| 109         | 48.3667       | -124.6117      | Neah Bay                   | NOS 94430901 | Aquatrak | 60       | Y | 5.4500    | 09 00:25:00=161.017361   | 15 18:24:00=167.766667 | 9720          | 1.702    | J.Wendland |
| 110         | 46.7083       | -123.9650      | Toke Point                 | NOS 94409101 | Aquatrak | 60       | Y | 5.8000    | 09 04:06:00=161.170833   | 17 17:55:00=169.746527 | 12350         | 2.567    | J.Wendland |
| 111         | 46.2083       | -123.7667      | Astoria                    | NOS 94390408 | Druck    | 15       | ? | 5.8000    | 08 03:23:35=160.141377   | 13 19:45:05=165.822974 | 32727         | 2.965    | J.Wendland |
| 112         | 46.2083       | -123.7667      | Astoria                    | NOS 94390401 | Aquatrak | 60       | N | 5.8000    | 09 04:43:00=161.196528   | 15 20:42:00=167.862500 | 9600          | 1.964    | J.Wendland |
| 113         | 45.96         | -130.00        | WC68                       | PMEL         | BPR      | 15       | Y | 5.0000    | 09 00:00:00=161.000000   | 14 00:00:00=166.000000 | 28801         | 1578.740 | M. Eble    |
| 114         | 45.9333       | -129.9805      | WC67                       | PMEL         | BPR      | 15       | Y | 5.0000    | 09 00:00:00=161.000000   | 14 00:00:00=166.000000 | 28801         | 1564.938 | M. Eble    |
| 115         | 45.93         | -129.98        | WC69                       | PMEL         | BPR      | 15       | Y | 5.0000    | 09 00:00:00=161.000000   | 14 00:00:00=166.000000 | 28801         | 1558.564 | M. Eble    |
| 116         | 44.6250       | -124.0433      | South Beach                | NOS 94353808 | IMO      | 15       | ? | 5.9920    | 07 02:20:30=159.097569   | 12 18:42:00=164.779166 | 32727         | 3.794    | J.Wendland |
| 117         | 43.3450       | -124.3217      | Charleston                 | NOS 94327808 | IMO      | 15       | Y | 6.0833    | 08 01:04:06=160.044514   | 13 17:25:21=165.725938 | 32726         | 3.007    | J.Wendland |
| 118         | 43.3450       | -124.3217      | Charleston                 | NOS 94327801 | Aquatrak | 60       | ? | 6.0833    | 09 03:41:00=161.153472   | 16 06:17:00=168.261805 | 10237         | 2.206    | J.Wendland |
| 119         | 42.7400       | -124.4967      | Port Orford                | NOS 94316471 | Aquatrak | 60       | Y | 5.9000    | 09 03:14:00=161.134722   | 16 06:13:00=168.259028 | 10260         | 8.013    | J.Wendland |
| 120         | 41.7450       | -124.1833      | Crescent City              | NOS 94197508 | IMO      | 15       | Y | 6.2167    | 08 07:49:35=160.326100   | 14 00:11:05=166.007697 | 32727         | 3.141    | J.Wendland |
| 121         | 41.7450       | -124.1833      | Crescent City              | NOS 94197501 | Aquatrak | 60       | Y | 6.2167    | 09 02:35:00=161.107639   | 16 16:34:00=168.690278 | 10920         | 2.094    | J.Wendland |
| 122         | 40.7667       | -124.2167      | No.Spit                    | NOS 94187678 | IMO      | 15       | ? | 6.2833    | 06 06:00:51=158.250590   | 11 22:22:21=163.932187 | 32727         | 3.728    | J.Wendland |
| 123         | 38.9150       | -123.7117      | Arena Cove                 | NOS 94168418 | IMO      | 15       | Y | 6.2333    | 08 05:38:20=160.234954   | 13 21:59:50=165.916551 | 32727         | 3.075    | J.Wendland |
| 124         | 38.9150       | -123.7117      | Arena Cove                 | NOS 94168411 | Aquatrak | 60       | Y | 6.2333    | 09 04:22:00=161.181944   | 17 21:31:00=169.896527 | 12550         | 9.654    | J.Wendland |
| 125         | 37.9967       | -122.9750      | Point Reyes                | NOS 94150201 | Aquatrak | 60       | Y | 6.4167    | 09 03:02:00=161.126389   | 15 07:01:00=167.292361 | 8880          | 2.068    | J.Wendland |
| 126         | 37.7717       | -122.2983      | Alameda                    | NOS 94147508 | IMO      | 15       | ? | 6.6667    | 08 09:14:20=160.384954   | 14 01:35:50=166.066551 | 32727         | 3.569    | J.Wendland |
| 127         | 36.6050       | -121.8883      | Monterey Harbor            | NOS 94134508 | IMO      | 15       | ? | 6.0667    | 08 05:39:05=160.235475   | 13 22:00:35=165.917072 | 32727         | 3.681    | J.Wendland |
| 128         | 36.6050       | -121.8883      | Monterey Harbor            | NOS 94134501 | Aquatrak | 60       | Y | 6.0667    | 09 03:14:00=161.134722   | 17 22:13:00=169.925694 | 12660         | 1.794    | J.Wendland |
| 129         | 35.1683       | -120.7533      | Port San Luis              | NOS 94121108 | IMO      | 15       | Y | 6.8667    | 08 04:01:20=160.167593   | 13 20:22:50=165.849190 | 32727         | 2.890    | J.Wendland |
| 130         | 35.1683       | -120.7533      | Port San Luis              | NOS 94121101 | Aquatrak | 60       | N | 6.8667    | 09 03:23:00=161.140972   | 17 03:22:00=169.140278 | 11520         | 1.563    | J.Wendland |
| 131         | 34.4700       | -120.6817      | Harvest Platform, Ca       | COE 63.1     |          | 15       | N | 6.8750    | 08 06:14:52=160.260324   | 17 18:34:52=169.774213 | 54801         | 15.74387 | M. Eble    |
| 132         | 34.0083       | -118.5000      | Santa Monica               | NOS 94108408 | IMO      | 15       | Y | 7.7000    | 08 07:49:35=160.326100   | 14 00:11:05=166.007697 | 32727         | 3.141    | J.Wendland |
| 133         | 34.0083       | -118.5000      | Santa Monica               | NOS 94108401 | Aquatrak | 60       | N | 7.7000    | 09 04:07:00=161.171528   | 15 20:06:00=167.837500 | 9600          | 1.560    | J.Wendland |
| 134         | 33.7200       | -118.2550      | Los Angeles                | NOS 94106608 | IMO      | 15       | N | 7.7000    | 08 08:36:20=160.358565   | 14 00:57:50=166.040162 | 32727         | 3.436    | J.Wendland |
| 135         | 33.7200       | -118.2550      | Los Angeles                | NOS 94106601 | Aquatrak | 60       | N | 7.7000    | 08 21:11:00=160.882639   | 16 06:10:00=168.256945 | 10620         | 2.013    | J.Wendland |

Andreanov earthquake at 04:04:00 June 10, 1996 = 162.169444

Table information

| plot number | Latitude [°N] | Longitude [°E] | Station                   | Id           | Sensor   | dt [sec] | T | ETA [hrs] | file Start UTC June 1996 | file End UTC June 1996 | record length | Mean [m] | Contact    |
|-------------|---------------|----------------|---------------------------|--------------|----------|----------|---|-----------|--------------------------|------------------------|---------------|----------|------------|
| 136         | 33.6317       | -117.9783      | Huntington Beach, CA      | COE 72.1     |          | 15       | N | 7.7069    | 08 06:10:46=160.257477   | 18 01:22:31=170.057303 | 56448         | 10.63984 | M. Eble    |
| 137         | 33.2050       | -117.3883      | Oceanside O Dock, CA      | COE 69.1     |          | 15       |   | 7.7069    | 08 06:01:43=160.251192   | 17 21:09:28=169.881574 | 55472         | 4.94947  | M. Eble    |
| 138         | 32.8667       | -117.2583      | La Jolla                  | NOS 94102308 | IMO      | 15       | N | 7.7833    | 07 23:18:06=159.970903   | 13 15:39:36=165.652500 | 32727         | 4.694    | J.Wendland |
| 139         | 32.8667       | -117.2583      | La Jolla                  | NOS 94102301 | Aquatrak | 60       | N | 7.7833    | 09 02:56:00=161.122222   | 16 16:55:00=168.704861 | 10920         | 2.111    | J.Wendland |
| 140         | 32.8667       | -117.2567      | Scripps Pier, Ca          | COE 3.1      |          | 15       | N | 7.7903    | 08 05:53:43=160.245637   | 17 17:06:58=169.713172 | 54534         | 4.88873  | M. Eble    |
| 141         | 32.7133       | -117.1733      | San Diego                 | NOS 94101701 | Aquatrak | 60       | N | 7.7833    | 09 03:40:00=161.152778   | 15 21:39:00=167.902084 | 9720          | 2.005    | J.Wendland |
| 142         | 23.8830       | -109.9000      | Cabo San Lucas Mexico     | UHSLC        | ENC      | 120      | ? | 9.1875    | 08 23:18:00=160.970833   | 13 23:16:00=165.969444 | 3600          | 10.034   | B.Kilonsky |
| 143         | 18.7170       | -110.0170      | Socorro Mexico            | PTWC         | BUB      | 120      | N | 9.6539    | 08 23:19:00=160.971528   | 13 23:17:00=165.970139 | 3600          | 1.878    | B.Kilonsky |
| 144         | -0.4330       | -90.2830       | Baltra, Galapagos Ecuador | UHSLC        | ENC      | 120      | Y | 14.7344   | 08 23:32:00=160.980556   | 13 23:30:00=165.979167 | 3600          | 9.338    | B.Kilonsky |
| 145         | -2.2090       | -80.9020       | La Libertad Ecuador       | PTWC         | ENC      | 120      | ? | 16.1650   | 08 23:26:00=160.976389   | 13 23:24:00=165.975000 | 3600          | 2.656    | B.Kilonsky |
| 146         | -4.5833       | -81.2833       | Talara Peru               | PTWC         | ENC      | 120      | Y | 16.1483   | 08 23:22:00=160.973611   | 13 23:20:00=165.972222 | 3600          | 0.756    | B.Kilonsky |
| 147         | -6.9350       | -80.7200       | Lobos de Afuera Peru      | PTWC         | ENC      | 120      | Y | 16.1747   | 08 23:20:00=160.972222   | 13 23:18:00=165.970833 | 3600          | 1.468    | B.Kilonsky |
| 148         | -12.0710      | -77.1740       | Callao, La-Punta Peru     | PTWC         | ENC      | 120      | ? | 17.0764   | 08 23:32:00=160.980556   | 13 23:30:00=165.979167 | 3600          | 3.813    | B.Kilonsky |
| 149         | -18.4720      | -70.3350       | Arica Chile               | PTWC         | BUB      | 120      | N | 18.7792   | 08 23:34:00=160.981944   | 13 23:32:00=165.980555 | 3600          | 1.946    | B.Kilonsky |
| 150         | -26.2833      | -80.1333       | San Felix Chile           | PTWC         | BUB      | 120      |   | 17.5706   | 08 23:32:00=160.980556   | 13 23:30:00=165.979167 | 3600          | 1.197    | B.Kilonsky |
| 151         | -27.0580      | -70.8340       | Caldera Chile             | PTWC         | BUB      | 120      | Y | 18.7983   | 08 23:56:00=160.997222   | 13 23:54:00=165.995833 | 3600          | 3.189    | B.Kilonsky |
| 152         | -27.1500      | -109.4483      | Easter Island             | NOS 99624208 | IMO      | 15       |   | 14.8667   | 14 05:45:53=166.240197   | 15 16:59:38=167.708079 | 8456          | 1.620    | J.Wendland |
| 153         | -27.1530      | -109.4480      | Easter Chile              | PTWC         | BUB      | 120      | ? | 14.8736   | 08 23:56:00=160.997222   | 13 23:54:00=165.995833 | 3600          | 1.438    | B.Kilonsky |
| 154         | -33.0330      | -71.6170       | Valparaiso Chile          | PTWC         | BUB      | 120      | Y | 19.0344   | 08 23:24:00=160.975000   | 13 23:22:00=165.973611 | 3600          | 1.449    | B.Kilonsky |
| 155         | -14.2800      | -170.6900      | Pago Pago                 | NOS 17700008 | Druck    | 15       | Y | 9.3833    | 07 06:22:35=159.265683   | 12 22:44:05=164.947280 | 32727         | 2.216    | J.Wendland |
| 156         | -14.2800      | -170.6900      | Pago Pago                 | NOS 17700001 | Digibub  | 60       | Y | 9.3833    | 09 02:51:00=161.118750   | 15 19:08:00=167.797222 | 9618          | 2.087    | J.Wendland |
| 157         | -17.5350      | -149.5717      | Papeete                   | NOS 17324178 | IMO      | 15       | N | 10.5667   | 08 01:58:20=160.082176   | 13 18:19:50=165.763773 | 32727         | 2.640    | J.Wendland |
| 158         | -18.1367      | 178.4250       | Suva Fiji                 | NOS 19100001 | Aquatrak | 60       | ? | 10.3833   | 09 02:37:00=161.109028   | 14 21:36:00=166.900000 | 8340          | 11.585   | J.Wendland |
| 159         | -19.0525      | -169.9214      | Niue Niue                 | PTWC         | BUB      | 120      |   | 10.0706   | 08 23:29:00=160.978472   | 13 23:27:00=165.977083 | 3600          | -0.060   | B.Kilonsky |
| 160         | 13.4417       | 144.6533       | Guam                      | NOS 16300008 | Druck    | 15       | N | 6.7667    | 08 04:26:20=160.184954   | 13 20:47:50=165.866551 | 32727         | 5.670    | J.Wendland |
| 161         | 13.4417       | 144.6533       | Guam                      | NOS 16300001 | Aquatrak | 60       | N | 6.7667    | 09 04:23:00=161.182639   | 15 18:22:00=167.765278 | 9480          | 0.993    | J.Wendland |
| 162         | 13.1611       | 123.7578       | Legaspi Philippines       | PTWC         | ENC      | 120      | N | 8.4622    | 08 23:06:00=160.962500   | 13 23:04:00=165.961111 | 3600          | 4.576    | B.Kilonsky |
| 163         | 13.1611       | 123.7578       | Legaspi Philippines       | PTWC         | PRS      | 120      | N | 8.4622    | 08 23:06:00=160.962500   | 13 23:04:00=165.961111 | 3600          | 2.085    | B.Kilonsky |
| 164         | 9.5120        | 138.1280       | Yap Fed States Micro      | UHSLC        | ENC      | 120      | N | 7.7944    | 08 23:04:00=160.961111   | 13 23:02:00=165.959722 | 3600          | 9.482    | B.Kilonsky |
| 165         | 8.7367        | 167.7383       | Kwajalein                 | NOS 18200001 | Aquatrak | 60       | Y | 6.3333    | 09 02:30:00=161.104167   | 15 19:29:00=167.811806 | 9660          | 1.545    | J.Wendland |
| 166         | 7.3320        | 134.4640       | Malakal, Koror Palau      | PTWC         | ENC      | 120      | ? | 8.3069    | 08 23:02:00=160.959722   | 13 23:00:00=165.958333 | 3600          | 7.040    | B.Kilonsky |

**Id - Owners / Station Identification:**

**COE:** US Army Corps of Engineers

**JMA:** Japanese Meteorological Agency

**NOS:** National Ocean Service, NOAA

**PMEL:** Pacific Marine Environmental Laboratory, NOAA

**PTWC:** Pacific Tsunami Warning Center, NWS

**UHSLC:** University of Hawaii Sea Level Center

blank: Owners of individually maintained Japanese stations not available at this time.

**T - Tsunami Visible?:**

**Y:** Indicates tsunami signal is evident above noise levels.

**?:** Indicates tsunami signal is questionable, but might be evident with more processing.

**N:** Indicates tsunami signal is not evident above noise levels.

**Sensors:**

**ADR:** Data from a punch paper tape transmitted via satellite

**Aquatrak:** Data from AQUATRAK sensor transmitted via satellite

**BPR:** Data from PAROSCIENTIFIC sensor

**Druck:** Data from DRUCK Sensor stored on 64K RAM pack

**IMO:** Data from IMO Sensor stored on 64K RAM pack

**BUB:** Data from BUBBLER gauge transmitted via satellite

**ENC:** DATA from HANDAR ENCODER transmitted via satellite

**PRS:** Data from NOS PRESSURE TRANSDUCER transmitted via satellite

**PTW:** Data from NOS PRIMARY WATER LEVEL transmitted via satellite

blank: not available at this time.

**ETA - Estimated Time of Arrival:**

Tsunami arrival time at each station, relative to the main earthquake shock (June 10, 1996 at 0404 UTC), estimated by means of a modified PTWC travel time code.

**Mean:**

Mean sea level value removed from data records.