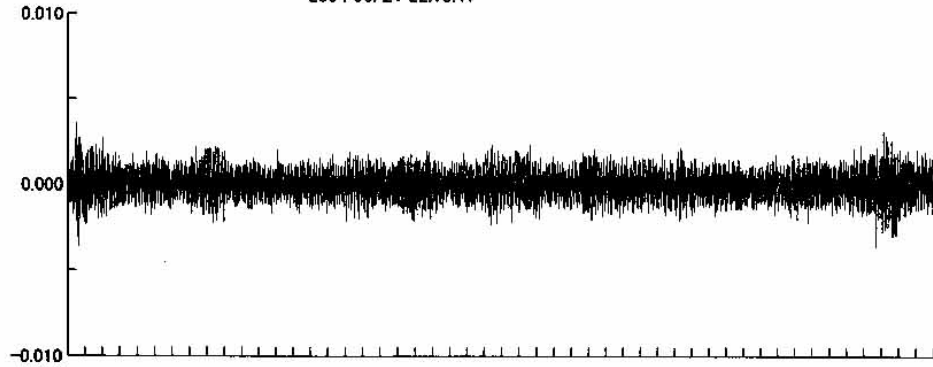


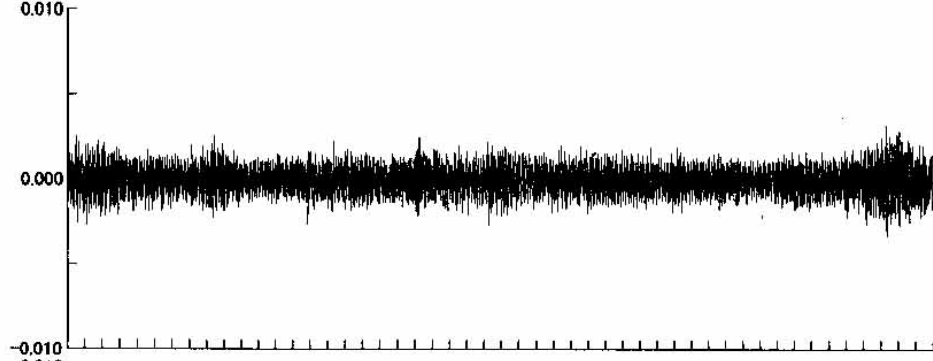
13 KORIKANCHA-SUN-NS

04 06 21 22 13 41 04 06 21 08 13 41  
2004 08/21 22:13:41

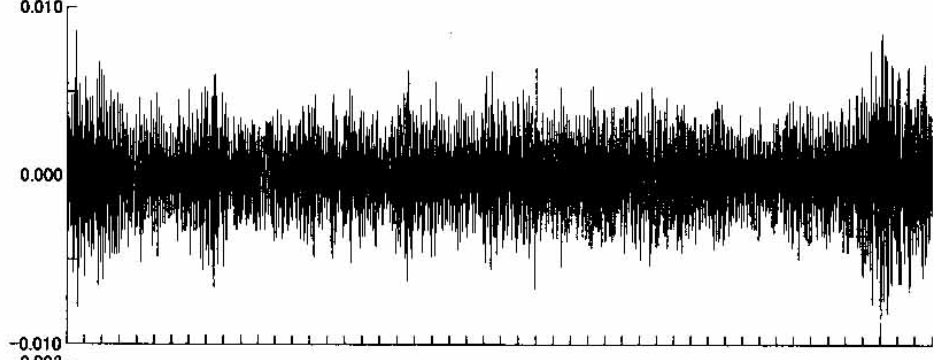
CH07:CH-7  
Max. = 0.004 (kine)  
Min. = -0.004 (kine)



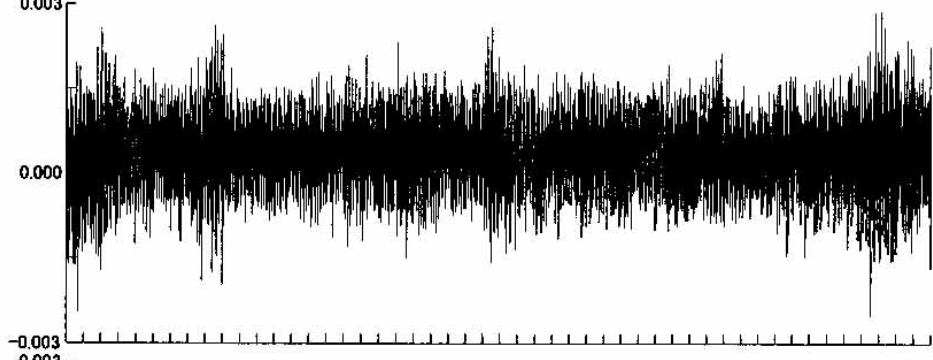
CH08:CH-8  
Max. = 0.003 (kine)  
Min. = -0.003 (kine)



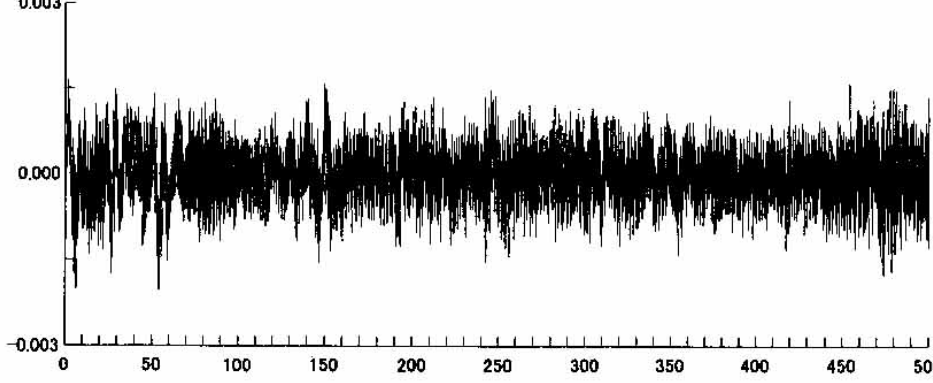
CH09:CH-9  
Max. = 0.009 (kine)  
Min. = -0.010 (kine)



CH10:CH-10  
Max. = 0.003 (kine)  
Min. = -0.003 (kine)



CH11:CH-11  
Max. = 0.002 (kine)  
Min. = -0.002 (kine)

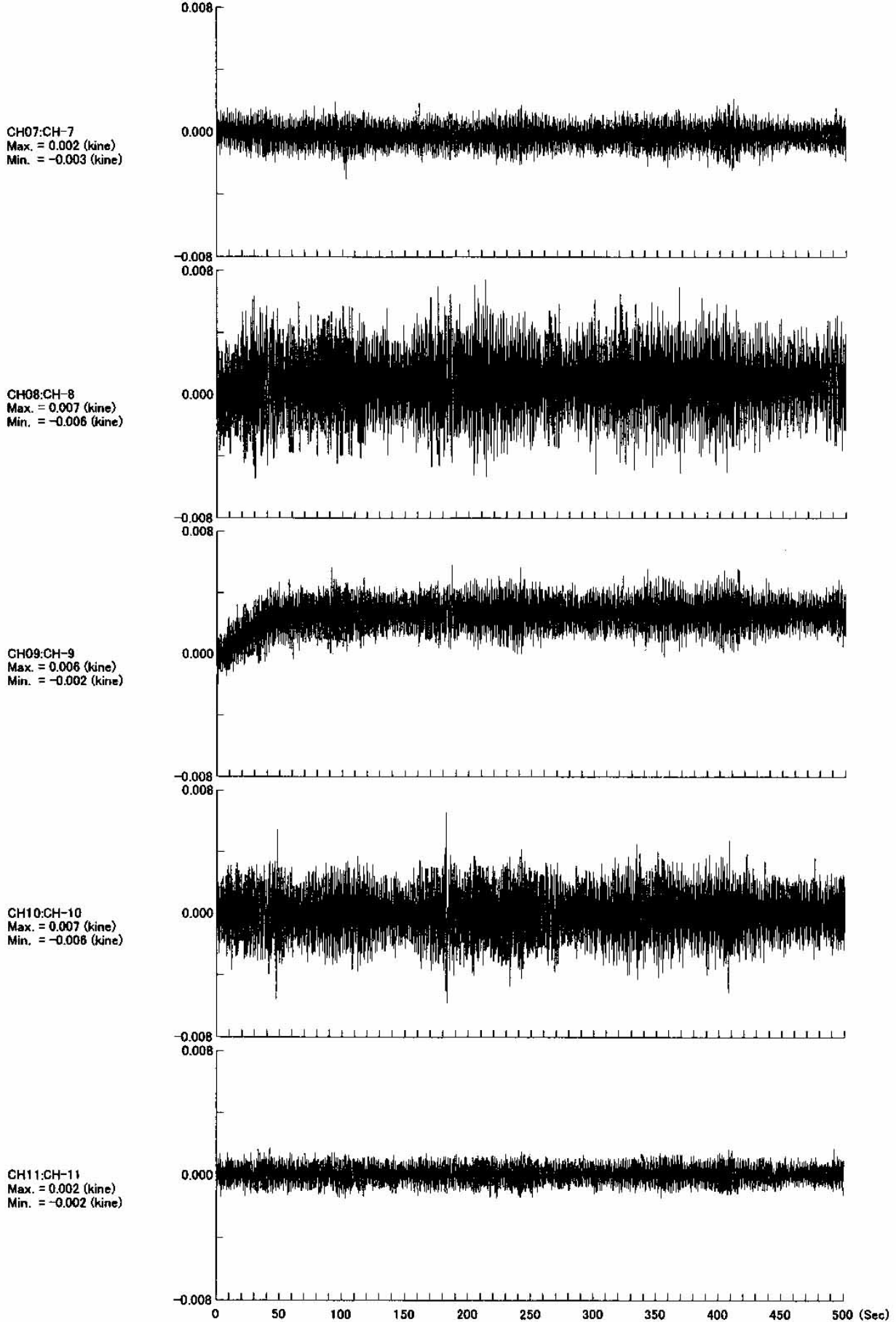


0 50 100 150 200 250 300 350 400 450 500 (Sec)

14 KORIKANCHA-SUN-EW

04 06 21 22 25 16 04 06 21 08 25 16

2004 06/21 22:25:16



## 2.2. Temple of Thunder (Illapa): Structure Vibration



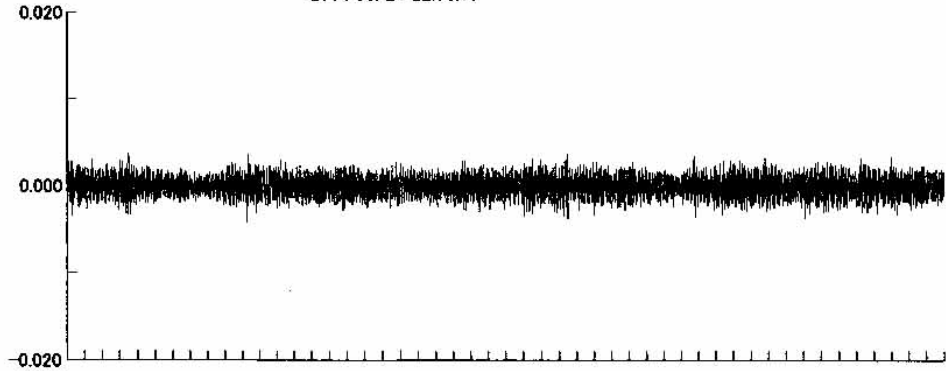
In a manner similar to the temple of the stars, measurements of horizontal vibrations in the two principal directions of the building were performed. The sensors were located on the floor level and on walls on four sides. The sensors at the wall were located on the sill of rectangular offset on the inner wall face closest to center of the wall. The directions were designated NS and EW respectively, but the actual directions are Northeast-Southwest (regarded as NS) and Northwest-Southeast (regarded as EW). Time domain plots of the results of measurements are shown in the following figures:

15 KORIKANCHA-MOON-NS

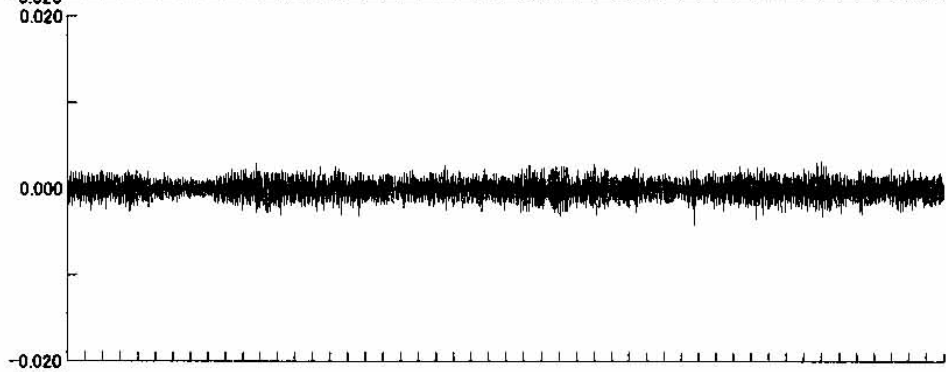
04 06 21 22 56 17 04 06 21 08 56 17

2004 08/21 22:56:17

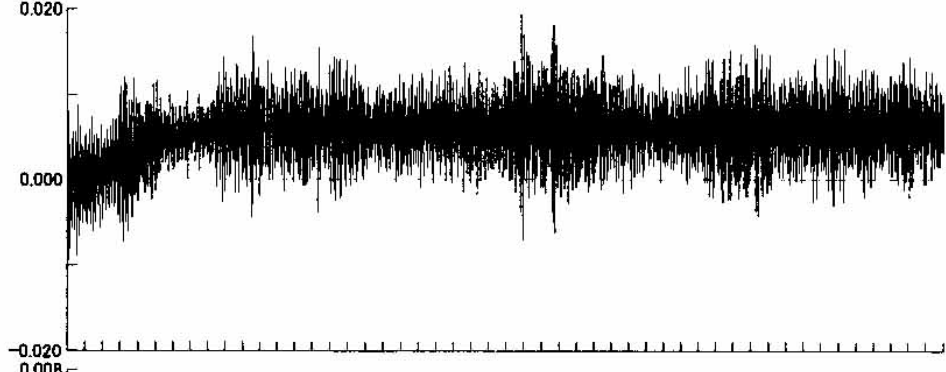
CH07:CH-7  
Max. = 0.004 (kine)  
Min. = -0.004 (kine)



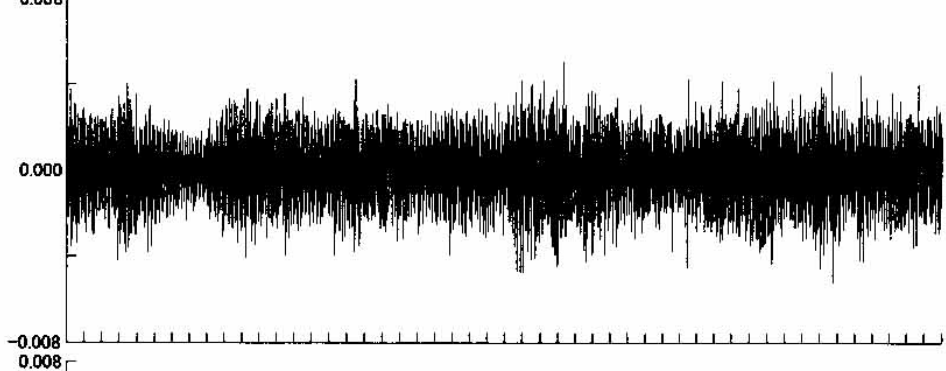
CH08:CH-8  
Max. = 0.003 (kine)  
Min. = -0.004 (kine)



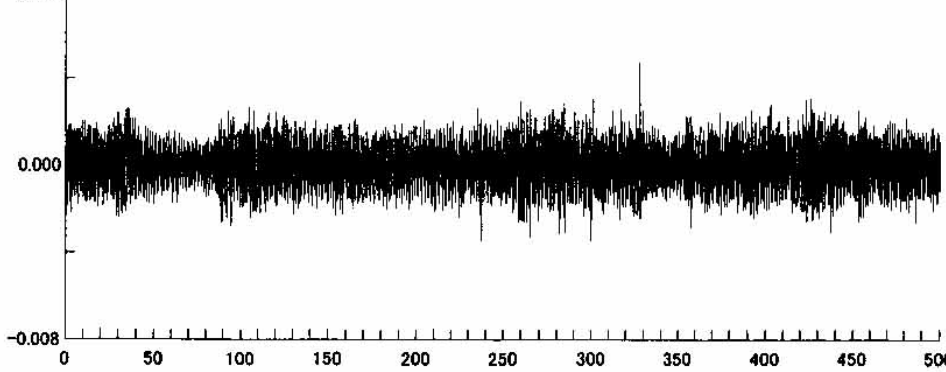
CH09:CH-9  
Max. = 0.020 (kine)  
Min. = -0.010 (kine)



CH10:CH-10  
Max. = 0.005 (kine)  
Min. = -0.005 (kine)



CH11:CH-11  
Max. = 0.005 (kine)  
Min. = -0.004 (kine)



0 50 100 150 200 250 300 350 400 450 500 (Sec)

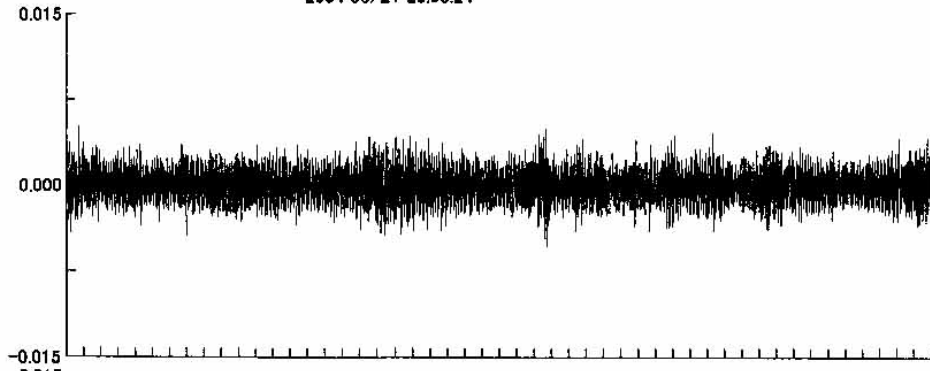
16 KORIKANCHA-MOON-EW

2004 06/21 23:08:24

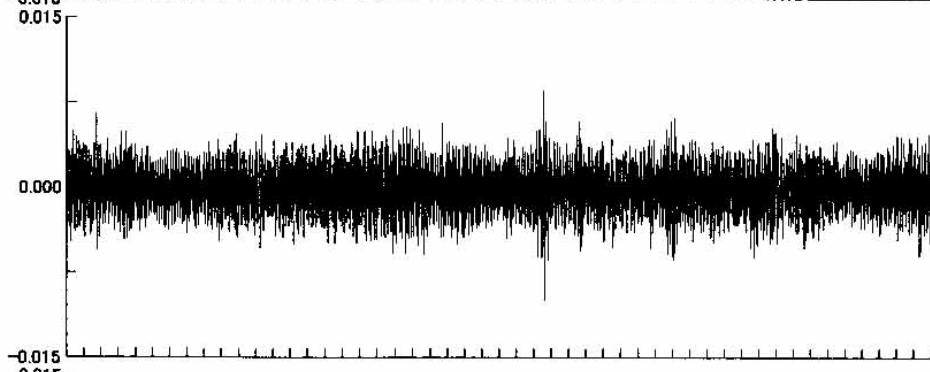
04 06 21 23 08 24

04 06 21 09 08 24

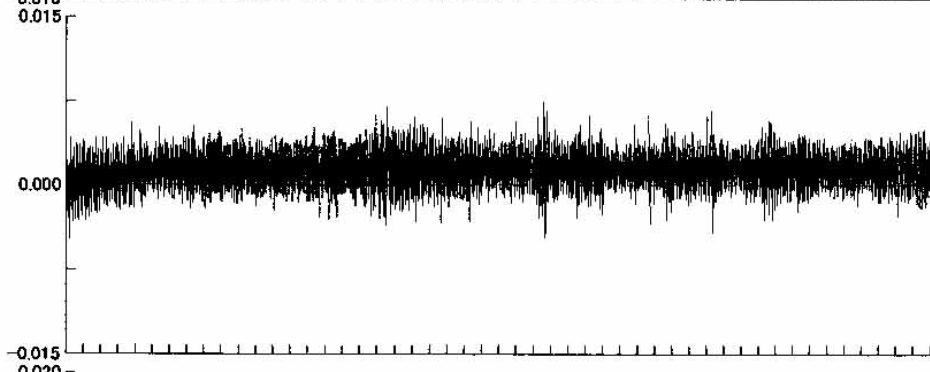
CH07:CH-7  
Max. = 0.005 (kine)  
Min. = -0.005 (kine)



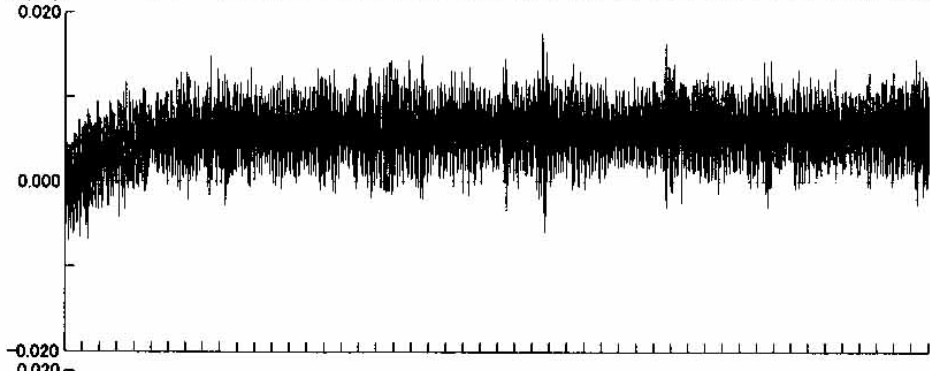
CH08:CH-8  
Max. = 0.009 (kine)  
Min. = -0.010 (kine)



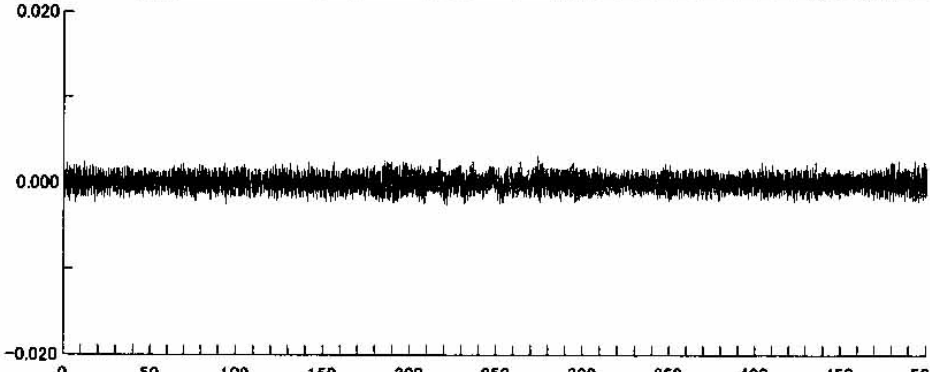
CH09:CH-9  
Max. = 0.007 (kine)  
Min. = -0.005 (kine)



CH10:CH-10  
Max. = 0.018 (kine)  
Min. = -0.007 (kine)



CH11:CH-11  
Max. = 0.003 (kine)  
Min. = -0.003 (kine)



0 50 100 150 200 250 300 350 400 450 500 (Sec)

### 2.3. Tower of Santo Domingo Church: Structure Vibration

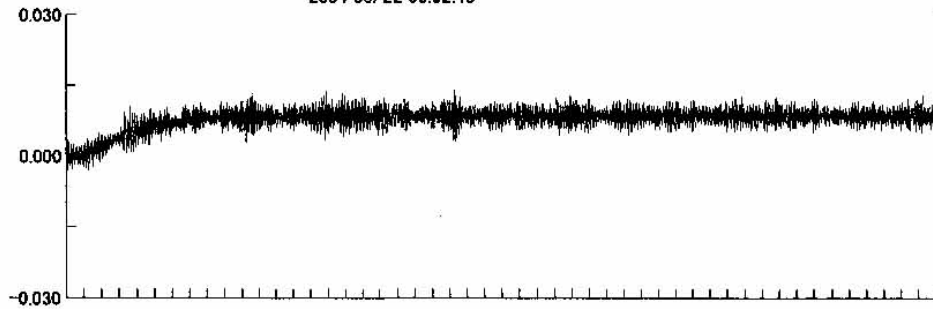


Three component of vibration were measured at the top and bottom of the tower. Time domain plots of the results of measurements are shown in the following figures:

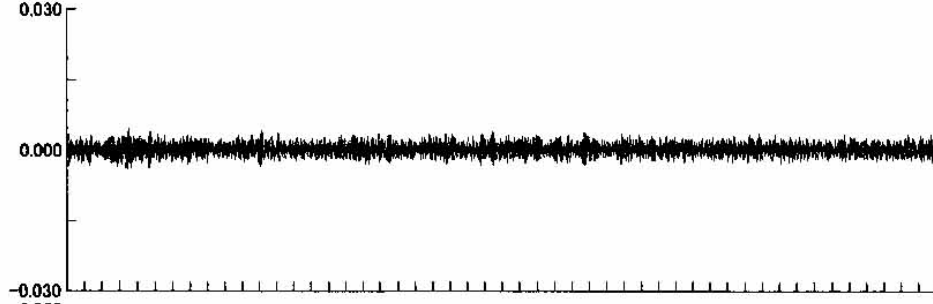


2004 06/22 00:02:48

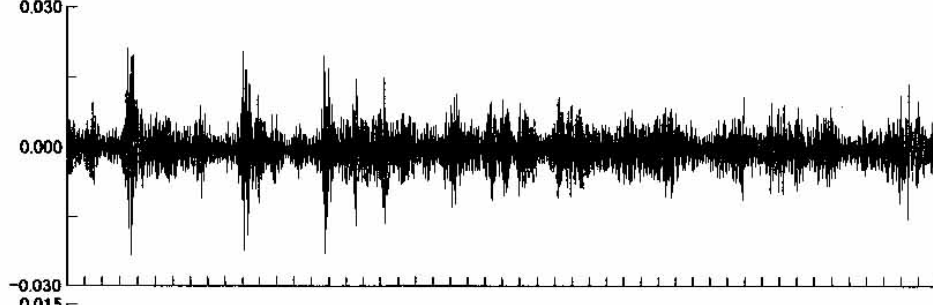
CH07:CH-7  
Max. = 0.014 (kine)  
Min. = -0.003 (kine)



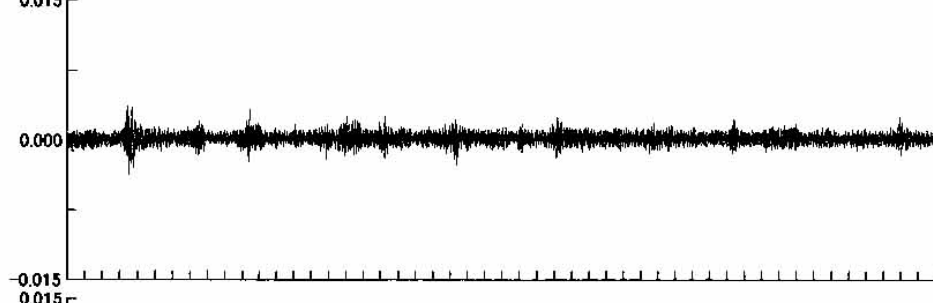
CH08:CH-8  
Max. = 0.005 (kine)  
Min. = -0.004 (kine)



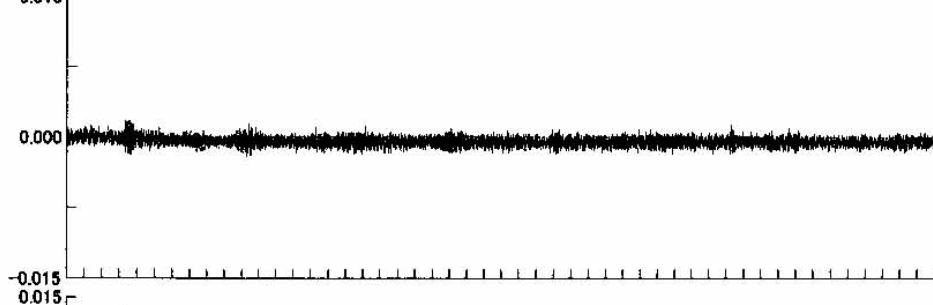
CH09:CH-9  
Max. = 0.021 (kine)  
Min. = -0.023 (kine)



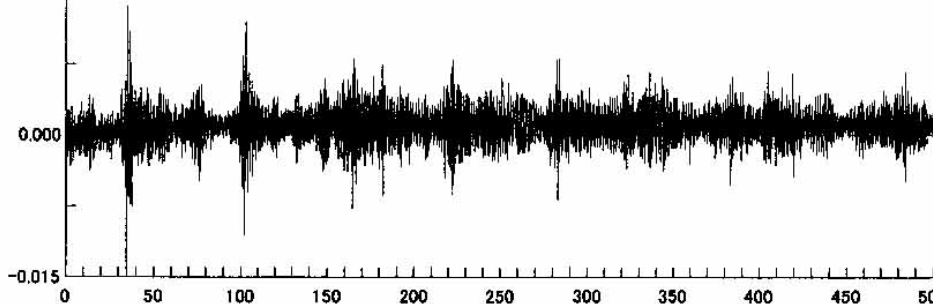
CH10:CH-10  
Max. = 0.004 (kine)  
Min. = -0.004 (kine)



CH11:CH-11  
Max. = 0.002 (kine)  
Min. = -0.002 (kine)



CH12:CH-12  
Max. = 0.014 (kine)  
Min. = -0.015 (kine)

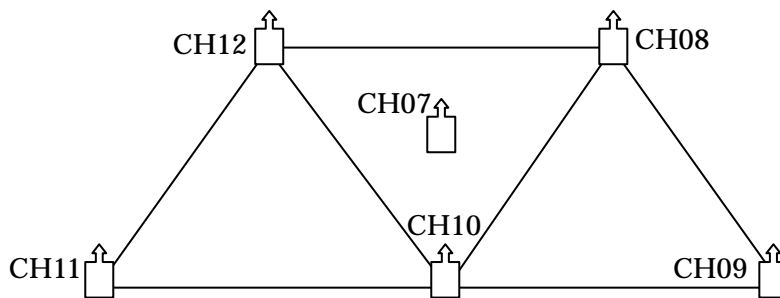


0 50 100 150 200 250 300 350 400 450 500 (Sec)

### 3.4. Interior Yard (Ceremonial Fountain): Ground vibration measurement



At this site, array measurements of the vertical components of the ground vibration were carried out. The triangular array configuration of sensors on the yard consisted of approximately 25 meter sides as shown in the figure below.



As may be noted, an additional sensor is located at the center of the trapezoidal area formed by the triangles. The array measurement is intended for F-K spectral analysis to obtain the Rayleigh wave dispersion curve, from which the shear wave velocity profile of the ground may be obtained by inverse analysis. The figure below shows the waveforms for microtremor measurements.