PART A SUPPLEMENT (good seismograms):
Step-response signals recorded during earthquakes in Alaska
Carl Tape (ctape@alaska.edu), Vipul Silwal, Stephen Holtkamp
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### Overview

This is Part A of a two-part supplement to the main report of *Tape et al.* (2017). The supplement includes all seismograms that do *not* exhibit the step-response signal. (For seismograms where the step-response signal or digitizer clipping is weak, we have included them here as well as in the main report.) See main report for discussion.

Part A includes seismograms for which all three components exhibit an earthquake wavefield signal in the bandpass of interest (10–100 s) that is comparable to what is recorded at nearby stations. The tables start on p. G1, and the seismograms start on p. G16. (If there is no earthquake signal at nearby stations, then the noise recordings are all included.)

## References

Tape, C., V. Silwal, and S. Holtkamp (2017), Step-response signals recorded during earthquakes in Alaska, ScholarWorks@UA at http://hdl.handle.net/11122/7947 (last accessed 2017-10-27).

Table G1: Stations NOT exhibiting anomalously high amplitudes for the 2014-08-31 $M_w$ 5.0 earthquake. See map in Figure 3 and waveforms in Figure G1.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AK | MDM | | BHZ BHN BHE | 43.7 km | 119.1 deg | 2660283 | 1771565 | 1415086 | 0 | 0 | 0 | 0.32 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | NEA2 | | BHZ BHN BHE | 62.4 km | 181.3 deg | 487617 | 704856 | 1070626 | 0 | 0 | 0 | 0.13 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | POKR | | BHZ BHN BHE | 75.5 km | 92.3 deg | 398749 | 698393 | 985533 | 0 | 0 | 0 | 0.12 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 75.5 km | 92.3 deg | 533802 | 865448 | 1223104 | 0 | 0 | 0 | 0.15 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | CCB | | BHZ BHN BHE | 81.3 km | 133.5 deg | 546675 | 806206 | 1064991 | 0 | 0 | 0 | 0.13 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | WRH | | BHZ BHN BHE | 88.3 km | 148.9 deg | 493232 | 497231 | 438933 | 0 | 0 | 0 | 0.06 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | BWN | | BHZ BHN BHE | 109.9 km | 186.6 deg | 862760 | 1273988 | 1142541 | 0 | 0 | 0 | 0.15 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | HDA | | BHZ BHN BHE | 129.5 km | 128.9 deg | 1022715 | 1163286 | 974714 | 0 | 0 | 0 | 0.14 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | HDA | | BHZ BHN BHE | 129.5 km | 128.9 deg | 1023380 | 1170900 | 977007 | 0 | 0 | 0 | 0.14 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | BPAW | | BHZ BHN BHE | 149.8 km | 219.3 deg | 444427 | 451244 | 472193 | 0 | 0 | 0 | 0.06 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | MCK | | BHZ BHN BHE | 158.5 km | 178.2 deg | 374518 | 518861 | 614051 | 0 | 0 | 0 | 0.07 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| AK | RND | | BHZ BHN BHE | 195.0 km | 177.4 deg | 216460 | 254250 | 519361 | 0 | 0 | 0 | 0.06 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| AK | TRF | | BHZ BHN BHE | 199.2 km | 198.2 deg | 207876 | 282772 | 269839 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| AK | KTH | | BHZ BHN BHE | 200.2 km | 207.9 deg | 130173 | 174937 | 171954 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | CHUM | | BHZ BHN BHE | 211.6 km | 229.5 deg | 264345 | 400114 | 520152 | 0 | 0 | 0 | 0.06 (24-bit) | Guralp CMG40T_60sec/Guralp DM24Datalogger |
| AK | WAT5 | | BHZ BHN BHE | 236.3 km | 170.0 deg | 50043 | 51893 | 74881 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | COLD | | BHZ BHN BHE | 237.2 km | 347.8 deg | 142282 | 189605 | 159861 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT2 | | BHZ BHN BHE | 245.1 km | 174.6 deg | 43578 | 66570 | 88798 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | DHY | | BHZ BHN BHE | 245.3 km | 160.0 deg | 23360 | 13021 | 3657 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | RIDG | | BHZ BHN BHE | 256.0 km | 126.0 deg | 173760 | 235822 | 268599 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| AK | WAT7 | | BHZ BHN BHE | 258.7 km | 177.8 deg | 83864 | 77208 | 142485 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT1 | | HHZ HHN HHE | 260.1 km | 174.5 deg | 59659 | 73680 | 96572 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | WAT4 | | BHZ BHN BHE | 263.9 km | 167.8 deg | 57761 | 92128 | 80655 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | SCRK | | BHZ BHN BHE | 275.2 km | 116.2 deg | 183157 | 207935 | 146590 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT3 | | HHZ HHN HHE | 276.6 km | 174.7 deg | 73489 | 89682 | 97418 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | DOT | | BHZ BHN BHE | 292.4 km | 122.7 deg | 138375 | 174852 | 199324 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT6 | | BHZ BHN BHE | 293.7 km | 166.8 deg | 36888 | 32098 | 54402 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PPLA | | BHZ BHN BHE | 294.8 km | 212.9 deg | 134231 | 160893 | 136611 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | PAX | | BHZ BHN BHE | 299.2 km | 142.8 deg | 34708 | 34227 | 45581 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |

Table G2: Stations NOT exhibiting anomalously high amplitudes for the 2014-10-21 $M_w$ 4.7 earthquake. See waveforms in Figure G2.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| XV | F3TN | | HHZ HHN HHE | 42.4 km | 186.8 deg | 1732209 | 6459190 | 6106187 | 0 | 0 | 0 | 0.77 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | MDM | | BHZ BHN BHE | 43.5 km | 118.5 deg | 1311383 | 961972 | 1044186 | 0 | 0 | 0 | 0.16 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| XV | FPAP | | HHZ HHN HHE | 59.8 km | 182.7 deg | 1194286 | 2803299 | 3149610 | 0 | 0 | 0 | 0.38 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | NEA2 | | BHZ BHN BHE | 62.0 km | 181.2 deg | 450037 | 769855 | 1427213 | 0 | 0 | 0 | 0.17 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | TCOL | | BHZ BHN BHE | 63.5 km | 118.4 deg | 1897169 | 4167979 | 3972603 | 0 | 0 | 0 | 0.50 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| IU | COLA | 00 | BHZ BH2 BH1 | 63.5 km | 118.4 deg | 2916352 | 7777257 | 5751701 | 0 | 0 | 0 | 0.23 (26-bit) | Geotech KS-54000Borehole Seismometer |
| TA | POKR | | BHZ BHN BHE | 75.6 km | 92.0 deg | 534246 | 488224 | 434228 | 0 | 0 | 0 | 0.06 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 75.6 km | 92.0 deg | 670016 | 603233 | 538547 | 0 | 0 | 0 | 0.08 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | CCB | | BHZ BHN BHE | 81.1 km | 133.2 deg | 277054 | 338626 | 531652 | 0 | 0 | 0 | 0.06 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | MLY | | BHZ BHN BHE | 81.1 km | 261.4 deg | 595662 | 613899 | 612364 | 0 | 0 | 0 | 0.07 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| AK | WRH | | BHZ BHN BHE | 88.0 km | 148.7 deg | 250951 | 261561 | 235278 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | BWN | | BHZ BHN BHE | 109.5 km | 186.6 deg | 680441 | 619084 | 854825 | 0 | 0 | 0 | 0.10 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | HDA | | BHZ BHN BHE | 129.3 km | 128.7 deg | 580074 | 597616 | 457686 | 0 | 0 | 0 | 0.07 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | HDA | | BHZ BHN BHE | 129.3 km | 128.7 deg | 584736 | 603169 | 459160 | 0 | 0 | 0 | 0.07 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | BPAW | | BHZ BHN BHE | 149.5 km | 219.4 deg | 290416 | 237716 | 244075 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | MCK | | BHZ BHN BHE | 158.1 km | 178.1 deg | 355023 | 747014 | 879086 | 0 | 0 | 0 | 0.10 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | RND | | BHZ BHN BHE | 194.5 km | 177.3 deg | 217373 | 422179 | 1146977 | 0 | 0 | 0 | 0.14 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| AK | TRF | | BHZ BHN BHE | 198.8 km | 198.3 deg | 114591 | 148924 | 173518 | 0 | 0 | 0 | 0.02 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| AK | KTH | | BHZ BHN BHE | 199.8 km | 207.9 deg | 74392 | 186876 | 133612 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | CHUM | | BHZ BHN BHE | 211.3 km | 229.6 deg | 201399 | 310015 | 346076 | 0 | 0 | 0 | 0.04 (24-bit) | Guralp CMG40T_60sec/Guralp DM24Datalogger |
| AK | FYU | | BHZ BHN BHE | 234.8 km | 46.0 deg | 77401 | 215871 | 161436 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT5 | | BHZ BHN BHE | 235.9 km | 170.0 deg | 69459 | 62758 | 105989 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | COLD | | BHZ BHN BHE | 237.6 km | 347.8 deg | 57477 | 83090 | 105532 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT2 | | BHZ BHN BHE | 244.7 km | 174.6 deg | 59760 | 95345 | 158898 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | DHY | | BHZ BHN BHE | 245.0 km | 159.9 deg | 38870 | 55985 | 68367 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | RIDG | | BHZ BHN BHE | 255.8 km | 126.0 deg | 76779 | 110656 | 157190 | 0 | 0 | 0 | 0.02 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| AK | WAT7 | | HHZ HHN HHE | 258.3 km | 177.8 deg | 99847 | 88030 | 195799 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT1 | | HHZ HHN HHE | 259.7 km | 174.5 deg | 58116 | 93789 | 193917 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | WAT4 | | BHZ BHN BHE | 263.5 km | 167.7 deg | 56952 | 54460 | 89388 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | SCRK | | BHZ BHN BHE | 275.1 km | 116.1 deg | 92081 | 147432 | 76347 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT3 | | BHZ BHN BHE | 276.2 km | 174.6 deg | 73299 | 63525 | 129091 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | DOT | | BHZ BHN BHE | 292.3 km | 122.6 deg | 63865 | 90610 | 86881 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT6 | | BHZ BHN BHE | 293.3 km | 166.8 deg | 61790 | 46460 | 60577 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PPLA | | BHZ BHN BHE | 294.5 km | 212.9 deg | 65439 | 95888 | 83981 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | PAX | | BHZ BHN BHE | 298.9 km | 142.7 deg | 21531 | 22004 | 38389 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |

Table G3: Stations NOT exhibiting anomalously high amplitudes for the 2014-10-23 $M_w$ 4.8 earthquake. See waveforms in Figure G3.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AK | MDM | | BHZ BHN BHE | 44.8 km | 120.2 deg | 1208590 | 935497 | 880181 | 0 | 0 | 0 | 0.14 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| XV | FPAP | | HHZ HHN HHE | 61.5 km | 182.1 deg | 1456962 | 2321463 | 3076946 | 0 | 0 | 0 | 0.37 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | NEA2 | | BHZ BHN BHE | 63.7 km | 180.7 deg | 432689 | 615967 | 1255609 | 0 | 0 | 0 | 0.15 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | TCOL | | BHZ BHN BHE | 64.8 km | 119.5 deg | 3612284 | 5586357 | 3341393 | 0 | 0 | 0 | 0.67 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| IU | COLA | 00 | BHZ BH2 BH1 | 64.8 km | 119.5 deg | 2826765 | 5143673 | 5134105 | 0 | 0 | 0 | 0.15 (26-bit) | Geotech KS-54000Borehole Seismometer |
| TA | POKR | | BHZ BHN BHE | 76.1 km | 93.2 deg | 318823 | 436795 | 401168 | 0 | 0 | 0 | 0.05 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 76.1 km | 93.2 deg | 405136 | 505937 | 497846 | 0 | 0 | 0 | 0.06 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | MLY | | BHZ BHN BHE | 80.9 km | 260.1 deg | 876102 | 969096 | 1441322 | 0 | 0 | 0 | 0.17 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| AK | WRH | | BHZ BHN BHE | 89.7 km | 149.0 deg | 466946 | 279021 | 266264 | 0 | 0 | 0 | 0.06 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | BWN | | BHZ BHN BHE | 111.1 km | 186.2 deg | 646461 | 919856 | 988256 | 0 | 0 | 0 | 0.12 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | HDA | | BHZ BHN BHE | 130.8 km | 129.1 deg | 628080 | 732792 | 545839 | 0 | 0 | 0 | 0.09 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | HDA | | BHZ BHN BHE | 130.8 km | 129.1 deg | 628238 | 720273 | 551597 | 0 | 0 | 0 | 0.09 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | BPAW | | BHZ BHN BHE | 150.5 km | 218.8 deg | 659988 | 613145 | 571560 | 0 | 0 | 0 | 0.08 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | MCK | | BHZ BHN BHE | 159.8 km | 178.0 deg | 326675 | 471146 | 606139 | 0 | 0 | 0 | 0.07 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | RND | | BHZ BHN BHE | 196.3 km | 177.2 deg | 211506 | 294330 | 739676 | 0 | 0 | 0 | 0.09 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| AK | TRF | | BHZ BHN BHE | 200.2 km | 198.0 deg | 152662 | 273820 | 238507 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| AK | KTH | | BHZ BHN BHE | 201.1 km | 207.5 deg | 193526 | 315854 | 194031 | 0 | 0 | 0 | 0.04 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | CHUM | | BHZ BHN BHE | 212.0 km | 229.1 deg | 305806 | 444427 | 618067 | 0 | 0 | 0 | 0.07 (24-bit) | Guralp CMG40T_60sec/Guralp DM24Datalogger |
| AK | FYU | | BHZ BHN BHE | 234.0 km | 46.4 deg | 105036 | 190554 | 178596 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | COLD | | BHZ BHN BHE | 235.8 km | 347.8 deg | 90725 | 108453 | 99956 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT5 | | BHZ BHN BHE | 237.7 km | 169.9 deg | 58988 | 71334 | 74336 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT2 | | BHZ BHN BHE | 246.5 km | 174.5 deg | 50619 | 64405 | 132718 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | DHY | | BHZ BHN BHE | 246.8 km | 159.9 deg | 41869 | 45751 | 47146 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | RIDG | | BHZ BHN BHE | 257.2 km | 126.2 deg | 108723 | 139027 | 213859 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| AK | WAT7 | | HHZ HHN HHE | 260.1 km | 177.7 deg | 84624 | 77704 | 175274 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT1 | | HHZ HHN HHE | 261.4 km | 174.4 deg | 59123 | 99076 | 119896 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | WAT4 | | BHZ BHN BHE | 265.3 km | 167.7 deg | 52537 | 53715 | 70904 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | SCRK | | BHZ BHN BHE | 276.3 km | 116.3 deg | 122268 | 165426 | 87230 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT3 | | BHZ BHN BHE | 278.0 km | 174.6 deg | 75726 | 71114 | 76782 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | DOT | | BHZ BHN BHE | 293.6 km | 122.9 deg | 88050 | 77481 | 95158 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT6 | | BHZ BHN BHE | 295.1 km | 166.8 deg | 34054 | 30960 | 53709 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PPLA | | BHZ BHN BHE | 295.6 km | 212.7 deg | 140864 | 143742 | 158953 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |

Table G4: Stations NOT exhibiting anomalously high amplitudes for the 2015-09-12 $M_w$ 3.8 earthquake. See waveforms in Figure G4.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AK | MDM | | BHZ BHN BHE | 27.1 km | 131.1 deg | 18756 | 33186 | 34583 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | I23K | | BHZ BHN BHE | 32.8 km | 275.6 deg | 12335 | 18069 | 18146 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | TCOL | | BHZ BHN BHE | 46.8 km | 125.7 deg | 62560 | 79826 | 94224 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| IU | COLA | 00 | BHZ BH2 BH1 | 46.8 km | 125.7 deg | 531071 | 469228 | 693931 | 0 | 0 | 0 | 0.02 (26-bit) | Geotech KS-54000Borehole Seismometer |
| IU | COLA | 10 | BHZ BH2 BH1 | 46.8 km | 125.7 deg | 3286690 | 6522204 | 7218621 | 0 | 0 | 0 | 0.22 (26-bit) | Streckeisen STS-2 High-gain |
| XV | FTGH | | HHZ HHN HHE | 48.4 km | 189.3 deg | 23569 | 31930 | 37062 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F6TP | | HHZ HHN HHE | 50.6 km | 236.9 deg | 30121 | 67453 | 45321 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | POKR | | BHZ BHN BHE | 57.8 km | 89.8 deg | 7166 | 10618 | 11213 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 57.8 km | 89.8 deg | 7681 | 12830 | 14097 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| XV | FPAP | | HHZ HHN HHE | 60.2 km | 200.2 deg | 30944 | 53358 | 50556 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | NEA2 | | BHZ BHN BHE | 61.9 km | 198.2 deg | 7906 | 11985 | 14064 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| XV | F7TV | | HHZ HHN HHE | 62.4 km | 242.0 deg | 29374 | 53840 | 41705 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | CCB | | BHZ BHN BHE | 66.8 km | 142.1 deg | 14768 | 18773 | 19037 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| XV | FNN2 | | HHZ HHN HHE | 71.2 km | 211.7 deg | 18795 | 29618 | 32466 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F8KN | | HHZ HHN HHE | 71.8 km | 237.1 deg | 19429 | 66168 | 52700 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H24K | | BHZ BHN BHE | 87.8 km | 24.2 deg | 5301 | 10076 | 6937 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | H23K | | BHZ BHN BHE | 88.5 km | 333.0 deg | 3962 | 4050 | 3965 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | MLY | | BHZ BHN BHE | 98.3 km | 265.1 deg | 9093 | 13616 | 13410 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| AK | HDA | | BHZ BHN BHE | 113.9 km | 133.4 deg | 10298 | 10678 | 8636 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | MCK | | BHZ BHN BHE | 155.4 km | 185.0 deg | 1299 | 1966 | 2440 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | I21K | | BHZ BHN BHE | 155.8 km | 273.9 deg | 2595 | 4603 | 4195 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | BPAW | | BHZ BHN BHE | 159.1 km | 225.4 deg | 9616 | 7872 | 6184 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | J25K | | BHZ BHN BHE | 166.1 km | 108.4 deg | 3154 | 4792 | 4470 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | FYU | | BHZ BHN BHE | 224.7 km | 42.6 deg | 2172 | 4108 | 3296 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | COLD | | BHZ BHN BHE | 244.9 km | 344.2 deg | 1194 | 675 | 659 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J26L | | BHZ BHN BHE | 251.9 km | 103.6 deg | 1945 | 1586 | 2007 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | WAT7 | | BHZ BHN BHE | 255.2 km | 182.1 deg | 893 | 1518 | 842 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | SCRK | | BHZ BHN BHE | 257.9 km | 117.5 deg | 716 | 1962 | 2032 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J20K | | BHZ BHN BHE | 282.2 km | 250.6 deg | 1321 | 2423 | 2748 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | PAX | | BHZ BHN BHE | 286.0 km | 145.5 deg | 718 | 787 | 455 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |

Table G5: Stations NOT exhibiting anomalously high amplitudes for the 2015-10-31 $M_w$ 3.5 earthquake. See waveforms in Figure G5.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AK | NEA2 | | BHZ BHN BHE | 35.3 km | 58.4 deg | 154322 | 166369 | 197766 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| XV | F8KN | | HHZ HHN HHE | 39.2 km | 343.5 deg | 113562 | 249626 | 150653 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F6TP | | HHZ HHN HHE | 49.7 km | 7.5 deg | 306679 | 747609 | 723212 | 0 | 0 | 0 | 0.09 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | WRH | | BHZ BHN BHE | 77.4 km | 85.7 deg | 63659 | 76504 | 71228 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | I23K | | BHZ BHN BHE | 81.8 km | 11.1 deg | 34963 | 78263 | 117422 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | MLY | | BHZ BHN BHE | 83.6 km | 323.8 deg | 56998 | 76269 | 101514 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| AK | MCK | | BHZ BHN BHE | 86.1 km | 154.1 deg | 13322 | 21627 | 20471 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| IU | COLA | 00 | BHZ BH2 BH1 | 100.8 km | 59.7 deg | 549518 | 493301 | 710293 | 0 | 0 | 0 | 0.02 (26-bit) | Geotech KS-54000Borehole Seismometer |
| AK | TRF | | BHZ BHN BHE | 112.9 km | 195.2 deg | 15746 | 15144 | 17303 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| AK | KTH | | BHZ BHN BHE | 114.6 km | 212.1 deg | 22184 | 50917 | 44623 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | | BHZ BHN BHE | 132.2 km | 53.5 deg | 14066 | 19457 | 23110 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 132.2 km | 53.5 deg | 15925 | 21807 | 26028 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| TA | I21K | | BHZ BHN BHE | 137.1 km | 308.7 deg | 12930 | 38400 | 31332 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| TA | H23K | | BHZ BHN BHE | 155.9 km | 2.6 deg | 27735 | 28475 | 64725 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | H24K | | BHZ BHN BHE | 178.7 km | 27.7 deg | 5048 | 7210 | 8736 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | J25K | | BHZ BHN BHE | 208.8 km | 82.4 deg | 4212 | 8289 | 7998 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | PPLA | | BHZ BHN BHE | 210.7 km | 217.0 deg | 6212 | 9241 | 8140 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | J20K | | BHZ BHN BHE | 217.2 km | 264.6 deg | 7480 | 10160 | 14762 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | K20K | | BHZ BHN BHE | 245.7 km | 242.9 deg | 2987 | 4287 | 5903 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | PAX | | BHZ BHN BHE | 264.8 km | 126.0 deg | 2021 | 2997 | 2353 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | SCRK | | BHZ BHN BHE | 281.7 km | 97.7 deg | 1979 | 3141 | 3523 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | SKN | | BHZ BHN BHE | 288.1 km | 199.5 deg | 3021 | 5146 | 5971 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| TA | J26L | | BHZ BHN BHE | 295.1 km | 85.7 deg | 3196 | 2979 | 3009 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | M22K | | BHZ BHN BHE | 299.0 km | 184.3 deg | 4430 | 7201 | 7323 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |

Table G6: Stations NOT exhibiting anomalously high amplitudes for the 2016-11-06 $M_w$ 4.0 earthquake. See waveforms in Figure G6.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AK | BWN | | BHZ BHN BHE | 37.1 km | 88.1 deg | 228346 | 395686 | 428856 | 0 | 0 | 0 | 0.05 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | NEA2 | | BHZ BHN BHE | 67.7 km | 44.6 deg | 156094 | 260427 | 207570 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| XV | F1TN | | HHZ HHN HHE | 69.9 km | 38.1 deg | 234283 | 195459 | 226760 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | MCK | | BHZ BHN BHE | 73.2 km | 130.6 deg | 54810 | 89106 | 150656 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| XV | F2TN | | HHZ HHN HHE | 75.5 km | 36.0 deg | 116102 | 191047 | 276392 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | KTH | | BHZ BHN BHE | 80.2 km | 212.2 deg | 130202 | 284745 | 289893 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | TRF | | BHZ BHN BHE | 80.3 km | 188.1 deg | 98926 | 138808 | 143165 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| XV | FTGH | | HHZ HHN HHE | 83.7 km | 44.8 deg | 318248 | 701052 | 690582 | 0 | 0 | 0 | 0.08 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | WRH | | BHZ BHN BHE | 101.3 km | 69.3 deg | 51034 | 111262 | 101142 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | MLY | | BHZ BHN BHE | 102.0 km | 341.6 deg | 49259 | 98879 | 97147 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| AK | RND | | BHZ BHN BHE | 103.2 km | 144.4 deg | 5692641 | 6899202 | 4056149 | 0 | 40000 | 0 | 0.82 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| AK | CHUM | | BHZ BHN BHE | 114.5 km | 255.1 deg | 60075 | 80717 | 117993 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | I23K | | BHZ BHN BHE | 114.7 km | 16.7 deg | 75566 | 209108 | 169244 | 0 | 0 | 0 | 0.02 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | CCB | | BHZ BHN BHE | 121.4 km | 62.7 deg | 97756 | 135435 | 133158 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | CAST | | BHZ BHN BHE | 129.7 km | 231.1 deg | 64198 | 89801 | 99718 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | TCOL | | BHZ BHN BHE | 132.0 km | 52.2 deg | 224727 | 336213 | 268170 | 0 | 0 | 0 | 0.04 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| IU | COLA | 00 | BHZ BH2 BH1 | 132.0 km | 52.2 deg | 711944 | 992627 | 895709 | 0 | 0 | 0 | 0.03 (26-bit) | Geotech KS-54000Borehole Seismometer |
| IU | COLA | 10 | BHZ BH2 BH1 | 132.0 km | 52.2 deg | 16147013 | 18168438 | 22059404 | 0 | 0 | 0 | 0.66 (26-bit) | Streckeisen STS-2 High-gain |
| IU | COLA | 10 | HHZ HH2 HH1 | 132.0 km | 52.2 deg | 16225847 | 18549104 | 23406762 | 0 | 0 | 0 | 0.70 (26-bit) | Streckeisen STS-2 High-gain |
| TA | I21K | | BHZ BHN BHE | 145.7 km | 321.9 deg | 28164 | 52709 | 89492 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | HDA | | BHZ BHN BHE | 153.3 km | 78.3 deg | 73244 | 68507 | 95471 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT7 | | BHZ BHN BHE | 160.2 km | 157.3 deg | 14884 | 16291 | 17225 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | POKR | | BHZ BHN BHE | 164.6 km | 48.6 deg | 34605 | 45419 | 73581 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 164.6 km | 48.6 deg | 41879 | 53568 | 86650 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | WAT1 | | HHZ HHN HHE | 166.7 km | 152.5 deg | 23620 | 18816 | 26703 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | PPLA | | BHZ BHN BHE | 176.5 km | 217.8 deg | 46937 | 73094 | 67806 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | DHY | | BHZ BHN BHE | 180.2 km | 131.1 deg | 12396 | 18876 | 20274 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H23K | | BHZ BHN BHE | 186.8 km | 7.3 deg | 27903 | 19110 | 35742 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | CUT | | BHZ BHN BHE | 196.2 km | 183.0 deg | 54232 | 81385 | 75135 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J20K | | BHZ BHN BHE | 198.6 km | 272.2 deg | 20219 | 26367 | 34842 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H22K | | BHZ BHN BHE | 202.6 km | 342.8 deg | 10279 | 9071 | 9371 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H21K | | BHZ BHN BHE | 211.1 km | 323.3 deg | 16205 | 23460 | 21946 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | WAT6 | | BHZ BHN BHE | 211.3 km | 145.6 deg | 16378 | 16608 | 21564 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H24K | | BHZ BHN BHE | 213.1 km | 27.9 deg | 17383 | 23071 | 34943 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | K24K | | BHZ BHN BHE | 213.5 km | 98.9 deg | 39285 | 53058 | 51729 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | K20K | | BHZ BHN BHE | 217.2 km | 247.3 deg | 10885 | 19633 | 15135 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | J25K | | BHZ BHN BHE | 231.8 km | 75.4 deg | 10391 | 20128 | 18778 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | SKN | | BHZ BHN BHE | 254.5 km | 197.6 deg | 21122 | 29796 | 35700 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| AK | RIDG | | BHZ BHN BHE | 259.9 km | 98.1 deg | 12681 | 16296 | 16047 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PPD | | BHZ BHN BHE | 262.9 km | 52.9 deg | 14857 | 35589 | 23252 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PAX | | BHZ BHN BHE | 264.1 km | 118.2 deg | 7537 | 8645 | 11402 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | L20K | | BHZ BHN BHE | 268.0 km | 227.2 deg | 21768 | 58144 | 46041 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | M22K | | BHZ BHN BHE | 268.7 km | 180.7 deg | 15856 | 25251 | 29679 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | SAW | | BHZ BHN BHE | 276.9 km | 160.8 deg | 4046 | 9614 | 6179 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | G23K | | BHZ BHN BHE | 284.0 km | 0.3 deg | 3972 | 5525 | 7101 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AT | PMR | | BHZ BHN BHE | 290.5 km | 170.2 deg | 5803 | 7287 | 10270 | 0 | 0 | 0 | 0.00 (24-bit) | STS-2/Trident |
| AK | SCM | | BHZ BHN BHE | 294.5 km | 150.7 deg | 5958 | 9081 | 7887 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | SCRK | | BHZ BHN BHE | 297.0 km | 91.3 deg | 4781 | 5808 | 7735 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | M20K | | BHZ BHN BHE | 298.0 km | 212.8 deg | 11382 | 20295 | 23898 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | DOT | | BHZ BHN BHE | 299.7 km | 98.4 deg | 5670 | 11061 | 7603 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |

Table G7: Stations NOT exhibiting anomalously high amplitudes for the 2016-12-08 $M_w$ 4.4 earthquake. See waveforms in Figure G7.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| XV | FNN2 | | HHZ HHN HHE | 51.3 km | 33.6 deg | 514414 | 1079537 | 1017554 | 0 | 0 | 0 | 0.13 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | FNN1 | | HHZ HHN HHE | 57.8 km | 42.8 deg | 1508244 | 1646121 | 2913124 | 0 | 0 | 0 | 0.35 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | FAPT | | HHZ HHN HHE | 60.8 km | 48.8 deg | 419373 | 1144126 | 1301785 | 0 | 0 | 0 | 0.16 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | NEA2 | | BHZ BHN BHE | 64.5 km | 46.0 deg | 231188 | 346570 | 296687 | 0 | 0 | 0 | 0.04 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| XV | FPAP | | HHZ HHN HHE | 65.1 km | 43.6 deg | 549232 | 1148526 | 1243892 | 0 | 0 | 0 | 0.15 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | MCK | | BHZ BHN BHE | 74.5 km | 133.2 deg | 255836 | 540837 | 639447 | 0 | 0 | 0 | 0.08 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| XV | F6TP | | HHZ HHN HHE | 78.8 km | 16.7 deg | 418902 | 1216133 | 1461127 | 0 | 0 | 0 | 0.17 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | FTGH | | HHZ HHN HHE | 80.5 km | 45.8 deg | 453555 | 1082725 | 1130446 | 0 | 0 | 0 | 0.13 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | KTH | | BHZ BHN BHE | 83.7 km | 211.8 deg | 146877 | 310955 | 288051 | 0 | 0 | 0 | 0.04 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | TRF | | BHZ BHN BHE | 83.8 km | 188.6 deg | 104369 | 191220 | 233934 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WRH | | BHZ BHN BHE | 99.0 km | 70.9 deg | 131862 | 186625 | 230352 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | MLY | | BHZ BHN BHE | 99.2 km | 340.4 deg | 181860 | 299464 | 386637 | 0 | 0 | 0 | 0.05 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| AK | RND | | BHZ BHN BHE | 105.3 km | 146.0 deg | 5863408 | 6983431 | 4225093 | 0 | 40000 | 0 | 0.83 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| TA | I23K | | BHZ BHN BHE | 111.2 km | 16.6 deg | 193396 | 664052 | 631543 | 0 | 0 | 0 | 0.08 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | CHUM | | BHZ BHN BHE | 116.6 km | 253.7 deg | 120849 | 434604 | 320490 | 0 | 0 | 0 | 0.05 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | CCB | | BHZ BHN BHE | 118.8 km | 63.9 deg | 186924 | 213886 | 184671 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | TCOL | | BHZ BHN BHE | 129.0 km | 53.1 deg | 386209 | 872239 | 733471 | 0 | 0 | 0 | 0.10 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| IU | COLA | 00 | BHZ BH2 BH1 | 129.0 km | 53.1 deg | 1738528 | 1640507 | 1674524 | 0 | 0 | 0 | 0.05 (26-bit) | Geotech KS-54000Borehole Seismometer |
| IU | COLA | 10 | BHZ BH2 BH1 | 129.0 km | 53.1 deg | 23404482 | 40984976 | 41014552 | 0 | 49 | 64 | 1.22 (26-bit) | Streckeisen STS-2 High-gain |
| IU | COLA | 10 | HHZ HH2 HH1 | 129.0 km | 53.1 deg | 23924528 | 40688176 | 40930416 | 0 | 115 | 162 | 1.22 (26-bit) | Streckeisen STS-2 High-gain |
| AK | CAST | | BHZ BHN BHE | 132.8 km | 230.3 deg | 145152 | 256382 | 281858 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | I21K | | BHZ BHN BHE | 143.9 km | 320.7 deg | 140839 | 202919 | 291482 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | HDA | | BHZ BHN BHE | 151.5 km | 79.5 deg | 238685 | 236562 | 217116 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | POKR | | BHZ BHN BHE | 161.5 km | 49.2 deg | 101143 | 110727 | 191965 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 161.5 km | 49.2 deg | 128043 | 141663 | 247224 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | WAT7 | | BHZ BHN BHE | 162.8 km | 158.1 deg | 72146 | 96091 | 70615 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT1 | | HHZ HHN HHE | 169.1 km | 153.4 deg | 79704 | 94461 | 78299 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | PPLA | | BHZ BHN BHE | 179.9 km | 217.5 deg | 66837 | 114906 | 87476 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | DHY | | BHZ BHN BHE | 181.5 km | 132.2 deg | 53845 | 67771 | 73331 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H23K | | BHZ BHN BHE | 183.4 km | 7.1 deg | 65430 | 81980 | 214196 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | J20K | | BHZ BHN BHE | 199.7 km | 271.3 deg | 76221 | 102952 | 179962 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H22K | | BHZ BHN BHE | 199.8 km | 342.2 deg | 38472 | 35903 | 31202 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H21K | | BHZ BHN BHE | 209.1 km | 322.5 deg | 53203 | 135697 | 147421 | 0 | 0 | 0 | 0.02 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | H24K | | BHZ BHN BHE | 209.6 km | 28.1 deg | 51656 | 89151 | 124930 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | K24K | | BHZ BHN BHE | 212.9 km | 99.9 deg | 123056 | 251537 | 235844 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | WAT6 | | BHZ BHN BHE | 213.3 km | 146.4 deg | 46680 | 51972 | 79592 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | K20K | | BHZ BHN BHE | 219.6 km | 246.7 deg | 24034 | 41146 | 44803 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | J25K | | BHZ BHN BHE | 229.9 km | 76.2 deg | 30267 | 52146 | 55925 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | SKN | | BHZ BHN BHE | 258.0 km | 197.7 deg | 20276 | 45286 | 57895 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| AK | PPD | | BHZ BHN BHE | 259.9 km | 53.4 deg | 54104 | 65621 | 53404 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PAX | | BHZ BHN BHE | 264.6 km | 119.0 deg | 21725 | 27981 | 38127 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | L20K | | BHZ BHN BHE | 271.2 km | 226.9 deg | 47705 | 83891 | 70345 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | M22K | | BHZ BHN BHE | 272.1 km | 180.9 deg | 30567 | 67561 | 51643 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | GHO | | BHZ BHN BHE | 275.8 km | 167.7 deg | 14125 | 19722 | 23947 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | SAW | | BHZ BHN BHE | 279.7 km | 161.2 deg | 12620 | 24706 | 25796 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | G23K | | BHZ BHN BHE | 280.7 km | 0.1 deg | 9134 | 11252 | 21269 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AT | PMR | | BHZ BHN BHE | 293.6 km | 170.6 deg | 12616 | 18081 | 27602 | 0 | 0 | 0 | 0.00 (24-bit) | STS-2/Trident |
| AK | SCRK | | BHZ BHN BHE | 295.9 km | 92.0 deg | 23066 | 32637 | 37000 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | SCM | | BHZ BHN BHE | 296.8 km | 151.3 deg | 26777 | 35658 | 30363 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | DOT | | BHZ BHN BHE | 299.0 km | 99.0 deg | 32088 | 31025 | 46361 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |

Table G8: Stations NOT exhibiting anomalously high amplitudes for the 2016-01-14 $M_w$ 3.8 earthquake. See waveforms in Figure G8.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| XV | F1TN | | HHZ HHN HHE | 5.3 km | 126.7 deg | 240670 | 460044 | 496263 | 0 | 0 | 0 | 0.06 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F2TN | | HHZ HHN HHE | 6.2 km | 61.9 deg | 629930 | 548925 | 655749 | 0 | 0 | 0 | 0.08 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | NEA2 | | BHZ BHN BHE | 13.2 km | 139.5 deg | 242880 | 471908 | 354463 | 0 | 0 | 0 | 0.06 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| XV | F5MN | | HHZ HHN HHE | 22.9 km | 7.9 deg | 854664 | 1940983 | 2958859 | 0 | 0 | 0 | 0.35 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F6TP | | HHZ HHN HHE | 25.6 km | 324.7 deg | 434744 | 1018862 | 670581 | 0 | 0 | 0 | 0.12 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F8KN | | HHZ HHN HHE | 33.8 km | 286.1 deg | 229812 | 665224 | 898599 | 0 | 0 | 0 | 0.11 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I23K | | BHZ BHN BHE | 52.1 km | 354.2 deg | 102151 | 143868 | 138393 | 0 | 0 | 0 | 0.02 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | BWN | | BHZ BHN BHE | 56.9 km | 182.5 deg | 70634 | 102030 | 97742 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WRH | | BHZ BHN BHE | 60.2 km | 112.5 deg | 55868 | 161661 | 117938 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | CCB | | BHZ BHN BHE | 69.0 km | 92.8 deg | 90197 | 183366 | 70636 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | TCOL | | BHZ BHN BHE | 69.3 km | 71.5 deg | 319684 | 319954 | 312991 | 0 | 0 | 0 | 0.04 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| IU | COLA | 00 | BHZ BH2 BH1 | 69.3 km | 71.5 deg | 780793 | 616637 | 864707 | 0 | 0 | 0 | 0.03 (26-bit) | Geotech KS-54000Borehole Seismometer |
| IU | COLA | 10 | BHZ BH2 BH1 | 69.3 km | 71.5 deg | 20741336 | 22239840 | 18551608 | 0 | 0 | 0 | 0.66 (26-bit) | Streckeisen STS-2 High-gain |
| IU | COLA | 10 | HHZ HH2 HH1 | 69.3 km | 71.5 deg | 20332712 | 22345252 | 19874432 | 0 | 0 | 0 | 0.67 (26-bit) | Streckeisen STS-2 High-gain |
| TA | POKR | | BHZ BHN BHE | 98.6 km | 59.8 deg | 44797 | 58070 | 88307 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 98.6 km | 59.8 deg | 52400 | 64486 | 106400 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | BPAW | | BHZ BHN BHE | 106.1 km | 233.0 deg | 52893 | 65588 | 70451 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | MCK | | BHZ BHN BHE | 107.1 km | 171.8 deg | 31200 | 32453 | 27134 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | HDA | | BHZ BHN BHE | 114.5 km | 104.4 deg | 109580 | 79945 | 137413 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | I21K | | BHZ BHN BHE | 140.7 km | 294.4 deg | 121960 | 216191 | 199830 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | RND | | BHZ BHN BHE | 143.6 km | 172.2 deg | 17633 | 19915 | 48263 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| TA | H24K | | BHZ BHN BHE | 143.7 km | 25.8 deg | 31658 | 36619 | 61103 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | TRF | | BHZ BHN BHE | 146.5 km | 200.8 deg | 15398 | 27106 | 29300 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| AK | KTH | | BHZ BHN BHE | 150.1 km | 213.7 deg | 19552 | 16724 | 15680 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | CHUM | | BHZ BHN BHE | 173.3 km | 240.4 deg | 15046 | 32331 | 47746 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | CAST | | BHZ BHN BHE | 197.6 km | 225.8 deg | 8883 | 18678 | 15604 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | H21K | | BHZ BHN BHE | 199.0 km | 304.7 deg | 13517 | 21805 | 34828 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | DHY | | BHZ BHN BHE | 201.4 km | 152.0 deg | 4874 | 8543 | 6510 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | WAT7 | | BHZ BHN BHE | 207.1 km | 174.3 deg | 7842 | 5990 | 10389 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | RIDG | | BHZ BHN BHE | 238.1 km | 114.2 deg | 8658 | 13269 | 20593 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J20K | | BHZ BHN BHE | 242.6 km | 258.8 deg | 12856 | 12256 | 16704 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | WAT6 | | BHZ BHN BHE | 245.9 km | 161.6 deg | 3855 | 2964 | 4613 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PPLA | | BHZ BHN BHE | 246.3 km | 217.4 deg | 5187 | 7980 | 9411 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | CUT | | BHZ BHN BHE | 258.8 km | 191.7 deg | 10905 | 27644 | 15196 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | SCRK | | BHZ BHN BHE | 266.1 km | 104.8 deg | 6195 | 10072 | 7527 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PAX | | BHZ BHN BHE | 266.5 km | 134.0 deg | 3856 | 5340 | 3928 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J26L | | BHZ BHN BHE | 272.9 km | 91.7 deg | 8472 | 8616 | 7327 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | DOT | | BHZ BHN BHE | 276.9 km | 112.3 deg | 9377 | 10100 | 8511 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | K20K | | BHZ BHN BHE | 278.2 km | 240.1 deg | 4985 | 7779 | 6889 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | FYU | | BHZ BHN BHE | 279.7 km | 39.6 deg | 10147 | 19690 | 13871 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | COLD | | BHZ BHN BHE | 287.0 km | 351.7 deg | 3695 | 3482 | 4378 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |

Table G9: Stations NOT exhibiting anomalously high amplitudes for the 2017-05-08 $M_w$ 3.5 earthquake. See waveforms in Figure G9.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TA | POKR | | BHZ BHN BHE | 28.7 km | 237.1 deg | 365371 | 477330 | 818247 | 0 | 0 | 0 | 0.10 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 28.7 km | 237.1 deg | 423208 | 649724 | 972377 | 0 | 0 | 0 | 0.12 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| IU | COLA | 00 | BHZ BH2 BH1 | 61.6 km | 226.4 deg | 678749 | 680011 | 850687 | 0 | 0 | 0 | 0.03 (26-bit) | Geotech KS-54000Borehole Seismometer |
| TA | TCOL | | BHZ BHN BHE | 61.6 km | 226.4 deg | 152405 | 266555 | 256550 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | MDM | | BHZ BHN BHE | 69.9 km | 242.3 deg | 47786 | 170897 | 135171 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PPD | | BHZ BHN BHE | 71.1 km | 65.3 deg | 46614 | 70653 | 61071 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H24K | | BHZ BHN BHE | 78.3 km | 326.1 deg | 28792 | 67761 | 95679 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | CCB | | BHZ BHN BHE | 80.0 km | 211.9 deg | 76581 | 105410 | 153649 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | HDA | | BHZ BHN BHE | 94.6 km | 180.8 deg | 49657 | 46939 | 56209 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J25K | | BHZ BHN BHE | 102.7 km | 133.7 deg | 62822 | 68077 | 84513 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | WRH | | BHZ BHN BHE | 103.7 km | 212.9 deg | 62117 | 85301 | 88827 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| XV | FTGH | | HHZ HHN HHE | 109.9 km | 235.8 deg | 57110 | 96850 | 102351 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I23K | | BHZ BHN BHE | 114.8 km | 265.0 deg | 27015 | 50208 | 61190 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | H25L | | BHZ BHN BHE | 123.4 km | 23.7 deg | 28769 | 109309 | 53333 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | NEA2 | | BHZ BHN BHE | 125.8 km | 234.9 deg | 47816 | 48865 | 52944 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| XV | F6TP | | HHZ HHN HHE | 131.5 km | 252.0 deg | 25827 | 44939 | 30368 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H23K | | BHZ BHN BHE | 136.7 km | 298.8 deg | 29782 | 27506 | 30403 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| XV | FNN2 | | HHZ HHN HHE | 141.6 km | 238.7 deg | 28123 | 53769 | 79598 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F8KN | | HHZ HHN HHE | 152.1 km | 250.2 deg | 18155 | 66858 | 38267 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | G24K | | BHZ BHN BHE | 162.8 km | 351.4 deg | 14683 | 22477 | 16862 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I26K | | BHZ BHN BHE | 175.9 km | 86.5 deg | 15399 | 15247 | 19370 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | J26L | | BHZ BHN BHE | 180.1 km | 116.4 deg | 24490 | 28733 | 20465 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | MLY | | BHZ BHN BHE | 181.1 km | 263.7 deg | 22431 | 26990 | 24981 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| AK | MCK | | BHZ BHN BHE | 195.7 km | 210.6 deg | 6901 | 10599 | 12257 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | RIDG | | BHZ BHN BHE | 196.4 km | 148.5 deg | 10457 | 14265 | 12692 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | SCRK | | BHZ BHN BHE | 200.2 km | 134.2 deg | 7291 | 7337 | 7068 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | G23K | | BHZ BHN BHE | 214.7 km | 320.4 deg | 8083 | 13001 | 10925 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H22K | | BHZ BHN BHE | 217.5 km | 291.0 deg | 5613 | 8503 | 6126 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | RND | | BHZ BHN BHE | 226.7 km | 205.3 deg | 5668008 | 6880183 | 4022163 | 0 | 40000 | 0 | 0.82 (24-bit) | Streckeisen STS-2 G3/Quanterra 330 Linear Phase |
| AK | BPAW | | BHZ BHN BHE | 233.1 km | 238.2 deg | 7413 | 11761 | 9719 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | G26K | | BHZ BHN BHE | 236.0 km | 35.5 deg | 10989 | 12824 | 12684 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I21K | | BHZ BHN BHE | 236.9 km | 270.2 deg | 5251 | 10910 | 16460 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| TA | I27K | | BHZ BHN BHE | 249.2 km | 78.7 deg | 4474 | 7608 | 8073 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | F24K | | BHZ BHN BHE | 255.8 km | 350.7 deg | 14031 | 11156 | 10086 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | TRF | | BHZ BHN BHE | 258.9 km | 220.4 deg | 3313 | 6722 | 5654 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | COLD | | BHZ BHN BHE | 264.5 km | 327.6 deg | 5373 | 3584 | 6069 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PAX | | BHZ BHN BHE | 264.6 km | 163.8 deg | 1673 | 1601 | 1619 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | F25K | | BHZ BHN BHE | 266.6 km | 11.8 deg | 4316 | 4681 | 4269 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H27K | | BHZ BHN BHE | 270.0 km | 63.9 deg | 3286 | 5187 | 3993 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | KTH | | BHZ BHN BHE | 270.8 km | 227.3 deg | 11186 | 8407 | 10421 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | H21K | | BHZ BHN BHE | 276.3 km | 281.9 deg | 4289 | 9631 | 10203 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| US | EGAK | 00 | BHZ BH2 BH1 | 276.8 km | 98.5 deg | 7822 | 12879 | 12550 | 0 | 0 | 0 | 0.00 (24-bit) | STS2-I=80414=Gen=Q330SR=3792 |
| TA | G22K | | BHZ BHN BHE | 278.2 km | 313.9 deg | 2512 | 4955 | 4094 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | WAT1 | | HHZ HHN HHE | 282.1 km | 197.1 deg | 3418 | 6582 | 8184 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | WAT7 | | BHZ BHN BHE | 286.2 km | 200.1 deg | 3331 | 3861 | 5166 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | G27K | | BHZ BHN BHE | 294.7 km | 51.7 deg | 2088 | 3421 | 2886 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | F26K | | BHZ BHN BHE | 298.5 km | 23.2 deg | 4196 | 3893 | 5095 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |

Table G10: Stations NOT exhibiting anomalously high amplitudes for the 2017-06-28 $M_w$ 3.5 earthquake. See waveforms in Figure G10.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TA | I23K | | BHZ BHN BHE | 48.6 km | 334.1 deg | 39298 | 68947 | 79536 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | TCOL | | BHZ BHN BHE | 51.4 km | 74.8 deg | 154870 | 176435 | 217521 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| IU | COLA | 00 | BHZ BH2 BH1 | 51.4 km | 74.8 deg | 591983 | 555669 | 758797 | 0 | 0 | 0 | 0.02 (26-bit) | Geotech KS-54000Borehole Seismometer |
| IU | COLA | 10 | BHZ BH2 BH1 | 51.4 km | 74.8 deg | 10700860 | 13274723 | 12972467 | 0 | 0 | 0 | 0.40 (26-bit) | Streckeisen STS-2 High-gain |
| IU | COLA | 10 | HHZ HH2 HH1 | 51.4 km | 74.8 deg | 10123398 | 12490232 | 13448803 | 0 | 0 | 0 | 0.40 (26-bit) | Streckeisen STS-2 High-gain |
| AK | CCB | | BHZ BHN BHE | 54.1 km | 102.8 deg | 68503 | 83925 | 79871 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | | BHZ BHN BHE | 80.5 km | 59.4 deg | 41501 | 47406 | 123888 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 80.5 km | 59.4 deg | 46605 | 52092 | 143759 | 0 | 0 | 0 | 0.02 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | MLY | | BHZ BHN BHE | 92.2 km | 290.2 deg | 26646 | 43994 | 44738 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| AK | HDA | | BHZ BHN BHE | 101.6 km | 111.5 deg | 45050 | 46474 | 54239 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | MCK | | BHZ BHN BHE | 114.3 km | 180.7 deg | 14076 | 25893 | 36964 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H23K | | BHZ BHN BHE | 122.8 km | 346.3 deg | 7405 | 10381 | 7989 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | H24K | | BHZ BHN BHE | 129.7 km | 21.3 deg | 11578 | 14001 | 20936 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | RND | | BHZ BHN BHE | 150.6 km | 179.1 deg | 7945 | 11943 | 18746 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | I21K | | BHZ BHN BHE | 152.7 km | 289.4 deg | 8836 | 15545 | 21182 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | TRF | | BHZ BHN BHE | 160.4 km | 205.4 deg | 4367 | 5378 | 5294 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J25K | | BHZ BHN BHE | 169.6 km | 93.8 deg | 9763 | 11387 | 10873 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H22K | | BHZ BHN BHE | 171.2 km | 318.9 deg | 16522 | 16684 | 16547 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | DHY | | BHZ BHN BHE | 201.9 km | 157.4 deg | 3812 | 5061 | 7104 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H21K | | BHZ BHN BHE | 208.2 km | 300.6 deg | 3486 | 5022 | 7409 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | WAT7 | | BHZ BHN BHE | 214.4 km | 179.2 deg | 2976 | 3345 | 4156 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | CAST | | BHZ BHN BHE | 215.0 km | 227.5 deg | 5259 | 9181 | 11696 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT1 | | HHZ HHN HHE | 215.5 km | 175.2 deg | 2540 | 9896 | 8305 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | G23K | | BHZ BHN BHE | 223.8 km | 347.3 deg | 1463 | 1752 | 2106 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | G24K | | BHZ BHN BHE | 226.5 km | 16.2 deg | 1591 | 2736 | 4244 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | WAT6 | | BHZ BHN BHE | 249.3 km | 166.1 deg | 2214 | 3267 | 4590 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | SCRK | | BHZ BHN BHE | 252.8 km | 107.9 deg | 1825 | 2551 | 3171 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J26L | | BHZ BHN BHE | 257.1 km | 93.9 deg | 4895 | 5979 | 7223 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | J20K | | BHZ BHN BHE | 260.1 km | 258.0 deg | 10076 | 11482 | 14460 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | PAX | | BHZ BHN BHE | 261.2 km | 138.1 deg | 1878 | 2571 | 1538 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PPLA | | BHZ BHN BHE | 262.8 km | 219.4 deg | 14677 | 4555 | 5348 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | I20K | | BHZ BHN BHE | 264.9 km | 273.5 deg | 12544 | 28075 | 28753 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | G22K | | BHZ BHN BHE | 269.0 km | 335.0 deg | 1032 | 2718 | 2817 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I26K | | BHZ BHN BHE | 277.9 km | 74.7 deg | 6274 | 8263 | 10227 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | G21K | | BHZ BHN BHE | 288.5 km | 314.9 deg | 1265 | 2484 | 3989 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H20K | | BHZ BHN BHE | 292.1 km | 289.0 deg | 2469 | 5253 | 3554 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | K20K | | BHZ BHN BHE | 296.3 km | 240.6 deg | 4643 | 7290 | 4583 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |

Table G11: Stations NOT exhibiting anomalously high amplitudes for the 2017-11-08 $M_w$ 3.7 earthquake. See waveforms in Figure G11.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| XV | FTGH | | HHZ HHN HHE | 20.7 km | 203.5 deg | 168802 | 357644 | 333028 | 0 | 0 | 0 | 0.04 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | FPAP | | HHZ HHN HHE | 34.9 km | 217.5 deg | 272634 | 342322 | 283788 | 0 | 0 | 0 | 0.04 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | NEA2 | | BHZ BHN BHE | 35.9 km | 213.5 deg | 90248 | 70293 | 114833 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| IU | COLA | 00 | BHZ BH2 BH1 | 37.6 km | 87.7 deg | 190511 | 336420 | 321531 | 0 | 0 | 0 | 0.01 (26-bit) | Trillium360 |
| IU | COLA | 00 | HHZ HH2 HH1 | 37.6 km | 87.7 deg | 200705 | 347121 | 321955 | 0 | 0 | 0 | 0.01 (26-bit) | Trillium360 |
| IU | COLA | 10 | BHZ BH2 BH1 | 37.6 km | 87.7 deg | 981962 | 1852211 | 1675795 | 0 | 0 | 0 | 0.06 (26-bit) | Streckeisen STS-5A BB seismometer |
| IU | COLA | 10 | HHZ HH2 HH1 | 37.6 km | 87.7 deg | 1004914 | 1904636 | 1674909 | 0 | 0 | 0 | 0.06 (26-bit) | Streckeisen STS-5A BB seismometer |
| XV | FNN1 | | HHZ HHN HHE | 42.0 km | 219.9 deg | 185419 | 360727 | 393302 | 0 | 0 | 0 | 0.05 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F6TP | | HHZ HHN HHE | 42.9 km | 271.6 deg | 106897 | 109313 | 154654 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I23K | | BHZ BHN BHE | 46.1 km | 314.1 deg | 41269 | 121133 | 120110 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | CCB | | BHZ BHN BHE | 47.1 km | 120.5 deg | 49517 | 153056 | 278870 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| XV | FNN2 | | HHZ HHN HHE | 49.4 km | 230.1 deg | 113342 | 167214 | 385397 | 0 | 0 | 0 | 0.05 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | WRH | | BHZ BHN BHE | 51.2 km | 148.0 deg | 26604 | 40450 | 44839 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| XV | F7TV | | HHZ HHN HHE | 55.5 km | 269.6 deg | 42752 | 91838 | 91407 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F8KN | | HHZ HHN HHE | 61.5 km | 260.5 deg | 31347 | 111992 | 85854 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | POKR | | BHZ BHN BHE | 64.3 km | 63.2 deg | 40913 | 50171 | 51750 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 64.3 km | 63.2 deg | 54275 | 63608 | 65368 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | BWN | | BHZ BHN BHE | 82.8 km | 202.2 deg | 40347 | 61130 | 49401 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | HDA | | BHZ BHN BHE | 96.0 km | 121.0 deg | 56666 | 40461 | 55075 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | MLY | | BHZ BHN BHE | 100.5 km | 281.7 deg | 47081 | 150921 | 83814 | 0 | 0 | 0 | 0.02 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| TA | H24K | | BHZ BHN BHE | 114.6 km | 18.1 deg | 21593 | 31556 | 71801 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | H23K | | BHZ BHN BHE | 115.1 km | 339.3 deg | 19374 | 14857 | 20625 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | MCK | | BHZ BHN BHE | 126.7 km | 186.3 deg | 6575 | 9071 | 14855 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | BPAW | | BHZ BHN BHE | 140.7 km | 233.9 deg | 28112 | 36159 | 30995 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | J25K | | BHZ BHN BHE | 158.9 km | 98.6 deg | 17065 | 21186 | 19991 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I21K | | BHZ BHN BHE | 160.8 km | 284.2 deg | 12519 | 29053 | 25120 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | RND | | BHZ BHN BHE | 162.7 km | 183.6 deg | 5950 | 8689 | 10362 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | PPD | | BHZ BHN BHE | 163.8 km | 62.1 deg | 22918 | 40573 | 48788 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H22K | | BHZ BHN BHE | 171.0 km | 313.5 deg | 9160 | 13287 | 14682 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | TRF | | BHZ BHN BHE | 176.3 km | 207.5 deg | 7310 | 8980 | 9025 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | K24K | | BHZ BHN BHE | 182.4 km | 129.0 deg | 15996 | 25226 | 37465 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | KTH | | BHZ BHN BHE | 182.8 km | 218.1 deg | 8908 | 21180 | 34000 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | H25L | | BHZ BHN BHE | 204.2 km | 38.6 deg | 14743 | 33981 | 25447 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | CHUM | | BHZ BHN BHE | 207.7 km | 239.9 deg | 13197 | 28999 | 24219 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | DHY | | BHZ BHN BHE | 208.8 km | 162.0 deg | 2386 | 4685 | 2873 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | G24K | | BHZ BHN BHE | 212.0 km | 14.2 deg | 4783 | 9365 | 7927 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H21K | | BHZ BHN BHE | 213.1 km | 296.4 deg | 5705 | 10776 | 11187 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | G23K | | BHZ BHN BHE | 215.5 km | 343.7 deg | 2659 | 3392 | 3161 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | WAT7 | | BHZ BHN BHE | 226.4 km | 182.5 deg | 3612 | 2520 | 4768 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT1 | | HHZ HHN HHE | 226.6 km | 178.7 deg | 1922 | 4110 | 5810 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | CAST | | BHZ BHN BHE | 231.8 km | 227.6 deg | 4294 | 7264 | 6491 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | G25K | | BHZ BHN BHE | 242.2 km | 27.7 deg | 9186 | 11754 | 9113 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | SCRK | | BHZ BHN BHE | 245.5 km | 111.6 deg | 3682 | 5641 | 5707 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J26L | | BHZ BHN BHE | 246.3 km | 97.1 deg | 6257 | 9660 | 5771 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | FYU | | BHZ BHN BHE | 246.4 km | 38.0 deg | 9814 | 22066 | 16611 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT6 | | BHZ BHN BHE | 258.3 km | 169.5 deg | 1712 | 1400 | 3266 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | DOT | | BHZ BHN BHE | 260.2 km | 119.2 deg | 599 | 65 | 218 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PAX | | BHZ BHN BHE | 262.5 km | 142.0 deg | 2300 | 1692 | 2298 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | I26K | | BHZ BHN BHE | 263.3 km | 76.7 deg | 9314 | 10485 | 12376 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | G22K | | BHZ BHN BHE | 263.8 km | 331.8 deg | 1755 | 3607 | 3298 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | COLD | | BHZ BHN BHE | 272.9 km | 345.8 deg | 2099 | 2438 | 2632 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J20K | | BHZ BHN BHE | 274.5 km | 256.3 deg | 11035 | 10780 | 21283 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I20K | | BHZ BHN BHE | 276.5 km | 271.1 deg | 17914 | 36659 | 43809 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | PPLA | | BHZ BHN BHE | 279.5 km | 220.0 deg | 3755 | 5626 | 6556 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | CUT | | BHZ BHN BHE | 285.1 km | 196.9 deg | 4331 | 10105 | 7870 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | G21K | | BHZ BHN BHE | 289.2 km | 311.8 deg | 3145 | 4202 | 5174 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | F24K | | BHZ BHN BHE | 298.3 km | 6.3 deg | 2862 | 3290 | 3227 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H20K | | BHZ BHN BHE | 300.0 km | 286.4 deg | 6118 | 7767 | 4917 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |

Table G12: Stations NOT exhibiting anomalously high amplitudes for the 2018-08-25 $M_w$ 3.16 earthquake. See waveforms in Figure G12.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AK | NEA2 | | BHZ BHN BHE | 6.9 km | 112.3 deg | 240611 | 516977 | 582816 | 0 | 0 | 0 | 0.07 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| XV | FTGH | | HHZ HHN HHE | 19.8 km | 64.8 deg | 418160 | 466094 | 400297 | 0 | 0 | 0 | 0.06 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F6TP | | HHZ HHN HHE | 33.0 km | 329.2 deg | 133655 | 139546 | 139277 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F8KN | | HHZ HHN HHE | 38.5 km | 295.9 deg | 41579 | 55872 | 74614 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I23K | | BHZ BHN BHE | 59.7 km | 352.9 deg | 12090 | 18843 | 26757 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | MDM | | BHZ BHN BHE | 60.0 km | 49.9 deg | 25323 | 27699 | 27878 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | CCB | | BHZ BHN BHE | 66.9 km | 86.6 deg | 23463 | 41895 | 22751 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| IU | COLA | 00 | BHZ BH2 BH1 | 70.0 km | 65.2 deg | 42946 | 47266 | 35854 | 0 | 0 | 0 | 0.00 (26-bit) | Trillium360 |
| IU | COLA | 00 | HHZ HH2 HH1 | 70.0 km | 65.2 deg | 49765 | 49819 | 40117 | 0 | 0 | 0 | 0.00 (26-bit) | Trillium360 |
| IU | COLA | 10 | BHZ BH2 BH1 | 70.0 km | 65.2 deg | 239522 | 313904 | 204894 | 0 | 0 | 0 | 0.01 (26-bit) | Streckeisen STS-5A BB seismometer |
| IU | COLA | 10 | HHZ HH2 HH1 | 70.0 km | 65.2 deg | 243146 | 313639 | 220433 | 0 | 0 | 0 | 0.01 (26-bit) | Streckeisen STS-5A BB seismometer |
| AK | MLY | | BHZ BHN BHE | 86.5 km | 302.9 deg | 19221 | 44031 | 29572 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | MCK | | BHZ BHN BHE | 99.5 km | 172.4 deg | 9419 | 9348 | 13024 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | POKR | | BHZ BHN BHE | 100.8 km | 55.6 deg | 15662 | 18352 | 19037 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 100.8 km | 55.6 deg | 18890 | 22165 | 20914 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | BPAW | | BHZ BHN BHE | 103.6 km | 237.0 deg | 52495 | 69886 | 83100 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | HDA | | BHZ BHN BHE | 110.8 km | 101.0 deg | 33731 | 19307 | 17171 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H23K | | BHZ BHN BHE | 135.7 km | 353.4 deg | 4261 | 5309 | 5709 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | RND | | BHZ BHN BHE | 136.0 km | 172.8 deg | 6120 | 11440 | 12599 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | H24K | | BHZ BHN BHE | 149.5 km | 23.9 deg | 2991 | 3551 | 3534 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | H22K | | BHZ BHN BHE | 174.9 km | 325.5 deg | 3356 | 2710 | 4870 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | J25K | | BHZ BHN BHE | 183.4 km | 88.4 deg | 3757 | 5740 | 4213 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | K24K | | BHZ BHN BHE | 189.4 km | 117.0 deg | 4164 | 10358 | 9692 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | DHY | | BHZ BHN BHE | 193.9 km | 151.6 deg | 1757 | 3016 | 2579 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PPD | | BHZ BHN BHE | 200.1 km | 58.2 deg | 3527 | 5913 | 5086 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H21K | | BHZ BHN BHE | 205.0 km | 306.1 deg | 2694 | 7394 | 7108 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | RIDG | | BHZ BHN BHE | 233.2 km | 112.8 deg | 1571 | 2025 | 2091 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | G23K | | BHZ BHN BHE | 236.6 km | 351.2 deg | 845 | 821 | 1395 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | J20K | | BHZ BHN BHE | 243.4 km | 260.6 deg | 6662 | 7390 | 10468 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | G24K | | BHZ BHN BHE | 245.6 km | 18.1 deg | 838 | 1214 | 1594 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I20K | | BHZ BHN BHE | 252.3 km | 276.9 deg | 8283 | 16181 | 17095 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | PAX | | BHZ BHN BHE | 259.8 km | 133.2 deg | 1230 | 1660 | 887 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | SCRK | | BHZ BHN BHE | 262.2 km | 103.4 deg | 1124 | 1218 | 1478 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J26L | | BHZ BHN BHE | 270.7 km | 90.2 deg | 1453 | 1800 | 2047 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | DOT | | BHZ BHN BHE | 272.2 km | 111.0 deg | 924 | 1378 | 1368 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | K20K | | BHZ BHN BHE | 276.4 km | 241.7 deg | 2968 | 3538 | 4019 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | G22K | | BHZ BHN BHE | 277.8 km | 338.7 deg | 3655 | 2782 | 3736 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H20K | | BHZ BHN BHE | 284.5 km | 292.6 deg | 2506 | 2617 | 2330 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | G21K | | BHZ BHN BHE | 290.2 km | 318.8 deg | 647 | 1482 | 1434 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I26K | | BHZ BHN BHE | 295.8 km | 72.2 deg | 1782 | 2921 | 2676 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |

Table G13: Stations NOT exhibiting anomalously high amplitudes for the 2018-08-28 $M_w$ 4.3 earthquake. See waveforms in Figure G13.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AK | MLY | | BHZ BHN BHE | 18.3 km | 206.3 deg | 1772202 | 2333588 | 3410338 | 0 | 0 | 0 | 0.41 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| XV | F8KN | | HHZ HHN HHE | 55.1 km | 146.4 deg | 312180 | 553737 | 470701 | 0 | 0 | 0 | 0.07 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I23K | | BHZ BHN BHE | 56.9 km | 92.8 deg | 211273 | 427351 | 463472 | 0 | 0 | 0 | 0.06 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| XV | F6TP | | HHZ HHN HHE | 58.8 km | 125.3 deg | 460486 | 517544 | 493977 | 0 | 0 | 0 | 0.06 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | FNN2 | | HHZ HHN HHE | 85.8 km | 141.0 deg | 509308 | 546796 | 363421 | 0 | 0 | 0 | 0.07 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H23K | | BHZ BHN BHE | 86.4 km | 33.0 deg | 131831 | 291751 | 281405 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | H22K | | BHZ BHN BHE | 88.1 km | 335.4 deg | 75878 | 113088 | 182634 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | FNN1 | | HHZ HHN HHE | 93.2 km | 135.9 deg | 436003 | 1292682 | 1918302 | 0 | 0 | 0 | 0.23 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | FPAP | | HHZ HHN HHE | 94.0 km | 131.4 deg | 206493 | 483239 | 408823 | 0 | 0 | 0 | 0.06 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | NEA2 | | BHZ BHN BHE | 96.6 km | 131.8 deg | 125133 | 151429 | 77597 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| DE | UAF02 | | HHZ HHN HHE | 96.6 km | 131.8 deg | 121229 | 146919 | 69294 | 0 | 0 | 0 | 0.02 (24-bit) | TrilliumHorizon |
| XV | FTGH | | HHZ HHN HHE | 98.7 km | 122.5 deg | 134403 | 287605 | 303324 | 0 | 0 | 0 | 0.04 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| DE | UAF01 | | HHZ HH2 HH1 | 99.4 km | 134.1 deg | 195052 | 358786 | 392191 | 0 | 0 | 0 | 0.05 (24-bit) | Nanometrics Research Network |
| TA | H21K | | BHZ BHN BHE | 116.6 km | 298.3 deg | 124121 | 223514 | 174719 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | BPAW | | BHZ BHN BHE | 121.8 km | 189.6 deg | 331173 | 507088 | 847756 | 0 | 0 | 0 | 0.10 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| IU | COLA | 10 | BHZ BH2 BH1 | 132.2 km | 103.6 deg | 1428424 | 4126860 | 2583644 | 0 | 0 | 0 | 0.12 (26-bit) | Streckeisen STS-5A BB seismometer |
| IU | COLA | 10 | HHZ HH2 HH1 | 132.2 km | 103.6 deg | 1449372 | 4134606 | 2566642 | 0 | 0 | 0 | 0.12 (26-bit) | Streckeisen STS-5A BB seismometer |
| AK | WRH | | BHZ BHN BHE | 141.7 km | 122.6 deg | 77868 | 163415 | 168473 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | CCB | | BHZ BHN BHE | 143.8 km | 113.1 deg | 163661 | 142081 | 202054 | 0 | 0 | 0 | 0.02 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| TA | H24K | | BHZ BHN BHE | 144.7 km | 58.3 deg | 65996 | 107774 | 88668 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | POKR | | BHZ BHN BHE | 147.4 km | 91.2 deg | 138494 | 175195 | 180780 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 147.4 km | 91.2 deg | 175540 | 225040 | 226054 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| TA | G23K | | BHZ BHN BHE | 172.7 km | 8.0 deg | 92565 | 120881 | 207213 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | MCK | | BHZ BHN BHE | 179.4 km | 153.2 deg | 56401 | 73704 | 71275 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | I20K | | BHZ BHN BHE | 189.2 km | 258.8 deg | 641454 | 1694481 | 2092857 | 0 | 0 | 0 | 0.25 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | HDA | | BHZ BHN BHE | 192.4 km | 114.8 deg | 146504 | 126435 | 153385 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | G22K | | BHZ BHN BHE | 199.0 km | 348.1 deg | 34153 | 87074 | 89712 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | G21K | | BHZ BHN BHE | 200.5 km | 319.4 deg | 52896 | 43484 | 46449 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H20K | | BHZ BHN BHE | 203.7 km | 281.9 deg | 84153 | 148788 | 117079 | 0 | 0 | 0 | 0.02 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | J20K | | BHZ BHN BHE | 203.9 km | 238.4 deg | 126935 | 163296 | 154820 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | RND | | BHZ BHN BHE | 214.2 km | 156.5 deg | 33522 | 28463 | 27765 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | G24K | | BHZ BHN BHE | 220.6 km | 38.3 deg | 27120 | 43018 | 37096 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | COLD | | BHZ BHN BHE | 229.1 km | 4.0 deg | 85796 | 120919 | 118443 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PPD | | BHZ BHN BHE | 238.0 km | 78.6 deg | 40004 | 63354 | 56640 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H25L | | BHZ BHN BHE | 249.6 km | 58.7 deg | 51804 | 55813 | 74136 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | J25K | | BHZ BHN BHE | 254.2 km | 102.0 deg | 37742 | 62609 | 40266 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | F21K | | BHZ BHN BHE | 262.9 km | 331.4 deg | 15199 | 29777 | 21012 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | K20K | | BHZ BHN BHE | 264.4 km | 221.5 deg | 30598 | 39320 | 46006 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | G25K | | BHZ BHN BHE | 269.4 km | 46.9 deg | 39879 | 39541 | 42124 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | F22K | | BHZ BHN BHE | 269.5 km | 345.2 deg | 29306 | 33350 | 32498 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | WAT7 | | BHZ BHN BHE | 274.7 km | 161.3 deg | 16392 | 20122 | 28877 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J19K | | BHZ BHN BHE | 275.5 km | 243.7 deg | 51238 | 88805 | 62561 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H19K | | BHZ BHN BHE | 276.3 km | 280.8 deg | 33985 | 67257 | 65240 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | K24K | | BHZ BHN BHE | 276.6 km | 121.4 deg | 57010 | 73154 | 89052 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | WAT1 | | HHZ HHN HHE | 279.8 km | 158.4 deg | 12767 | 21316 | 29438 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | DHY | | BHZ BHN BHE | 281.3 km | 145.0 deg | 14105 | 18674 | 16638 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | F24K | | BHZ BHN BHE | 287.3 km | 23.5 deg | 58039 | 47572 | 54802 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |

Table G14: Stations NOT exhibiting anomalously high amplitudes for the 2018-10-03 $M_w$ 4.1 earthquake. See waveforms in Figure G14.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| XV | F5MN | | HHZ HHN HHE | 12.5 km | 263.9 deg | 739801 | 1643715 | 1223133 | 0 | 0 | 0 | 0.20 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F4TN | | HHZ HHN HHE | 13.2 km | 237.3 deg | 415750 | 883230 | 1010075 | 0 | 0 | 0 | 0.12 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F3TN | | HHZ HHN HHE | 17.7 km | 217.6 deg | 333287 | 1433039 | 1294388 | 0 | 0 | 0 | 0.17 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F2TN | | HHZ HHN HHE | 23.4 km | 205.8 deg | 260954 | 534733 | 609705 | 0 | 0 | 0 | 0.07 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | FTGH | | HHZ HHN HHE | 23.4 km | 169.3 deg | 202659 | 481389 | 324616 | 0 | 0 | 0 | 0.06 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F1TN | | HHZ HHN HHE | 29.5 km | 203.0 deg | 109545 | 197854 | 157390 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F6TP | | HHZ HHN HHE | 30.5 km | 264.4 deg | 131566 | 324674 | 257884 | 0 | 0 | 0 | 0.04 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | NEA2 | | BHZ BHN BHE | 34.8 km | 192.0 deg | 64269 | 101471 | 88644 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | I23K | | BHZ BHN BHE | 34.8 km | 323.5 deg | 94924 | 367817 | 485926 | 0 | 0 | 0 | 0.06 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| DE | UAFO2 | | HHZ HHN HHE | 34.8 km | 192.0 deg | 67298 | 109183 | 87885 | 0 | 0 | 0 | 0.01 (24-bit) | TrilliumHorizon |
| XV | FNN1 | | HHZ HHN HHE | 39.1 km | 201.5 deg | 226164 | 449508 | 381800 | 0 | 0 | 0 | 0.05 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| DE | UAF01 | | HHZ HH2 HH1 | 39.6 km | 191.5 deg | 82676 | 222344 | 181157 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Research Network |
| XV | FAPT | | HHZ HHN HHE | 39.6 km | 191.5 deg | 159858 | 352986 | 364417 | 0 | 0 | 0 | 0.04 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F7TV | | HHZ HHN HHE | 43.2 km | 263.9 deg | 109503 | 353064 | 256570 | 0 | 0 | 0 | 0.04 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | FNN2 | | HHZ HHN HHE | 43.8 km | 215.2 deg | 74959 | 155094 | 135068 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| IU | COLA | 00 | BHZ BH2 BH1 | 50.2 km | 92.6 deg | 155449 | 219634 | 174935 | 0 | 0 | 0 | 0.01 (26-bit) | Streckeisen STS-6A VBB Seismometer |
| IU | COLA | 00 | HHZ HH2 HH1 | 50.2 km | 92.6 deg | 1484 | 2047 | 1363 | 0 | 0 | 0 | 0.00 (26-bit) | Streckeisen STS-6A VBB Seismometer |
| IU | COLA | 10 | BHZ BH2 BH1 | 50.2 km | 92.6 deg | 749533 | 834863 | 1130741 | 0 | 0 | 0 | 0.03 (26-bit) | Streckeisen STS-5A BB seismometer |
| IU | COLA | 10 | HHZ HH2 HH1 | 50.2 km | 92.6 deg | 744834 | 854657 | 1148832 | 0 | 0 | 0 | 0.03 (26-bit) | Streckeisen STS-5A BB seismometer |
| XV | F8KN | | HHZ HHN HHE | 50.2 km | 253.3 deg | 85576 | 352338 | 123072 | 0 | 0 | 0 | 0.04 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | CCB | | BHZ BHN BHE | 60.0 km | 117.5 deg | 57623 | 114139 | 94723 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| AK | WRH | | BHZ BHN BHE | 61.8 km | 139.9 deg | 42513 | 61152 | 85521 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | | BHZ BHN BHE | 74.2 km | 70.1 deg | 64200 | 71147 | 78508 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 74.2 km | 70.1 deg | 76816 | 86266 | 95442 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | MLY | | BHZ BHN BHE | 87.5 km | 280.5 deg | 24583 | 79289 | 59939 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H23K | | BHZ BHN BHE | 107.4 km | 344.6 deg | 29155 | 51569 | 26498 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | HDA | | BHZ BHN BHE | 108.8 km | 119.2 deg | 63742 | 83806 | 66316 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H24K | | BHZ BHN BHE | 115.4 km | 24.3 deg | 37637 | 39111 | 53421 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | MCK | | BHZ BHN BHE | 130.0 km | 180.4 deg | 30950 | 37614 | 48115 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | BPAW | | BHZ BHN BHE | 133.4 km | 229.1 deg | 25492 | 34266 | 29735 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | I21K | | BHZ BHN BHE | 147.7 km | 283.7 deg | 13921 | 23138 | 21563 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| TA | H22K | | BHZ BHN BHE | 159.3 km | 315.3 deg | 12702 | 23442 | 19122 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | RND | | BHZ BHN BHE | 166.4 km | 179.0 deg | 9399 | 13240 | 22242 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | J25K | | BHZ BHN BHE | 171.9 km | 99.0 deg | 11284 | 25311 | 14522 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | PPD | | BHZ BHN BHE | 173.2 km | 65.0 deg | 43644 | 44746 | 49378 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | KTH | | BHZ BHN BHE | 178.7 km | 213.9 deg | 15360 | 14322 | 12075 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | K24K | | BHZ BHN BHE | 194.7 km | 127.4 deg | 21863 | 52785 | 45656 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | CHUM | | BHZ BHN BHE | 199.1 km | 236.9 deg | 14493 | 32781 | 30505 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H21K | | BHZ BHN BHE | 200.1 km | 296.8 deg | 7179 | 10044 | 12093 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | G23K | | BHZ BHN BHE | 208.4 km | 346.5 deg | 8622 | 5420 | 9553 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H25L | | BHZ BHN BHE | 209.2 km | 41.7 deg | 19542 | 24163 | 27557 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | G24K | | BHZ BHN BHE | 211.6 km | 17.5 deg | 8540 | 10318 | 9573 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | DHY | | BHZ BHN BHE | 216.8 km | 158.9 deg | 5303 | 11041 | 9176 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT7 | | BHZ BHN BHE | 230.2 km | 179.1 deg | 5605 | 4325 | 6384 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT1 | | HHZ HHN HHE | 231.3 km | 175.3 deg | 4469 | 11693 | 11143 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | RIDG | | BHZ BHN BHE | 235.5 km | 121.4 deg | 5443 | 11857 | 9791 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | G25K | | BHZ BHN BHE | 244.8 km | 30.5 deg | 9794 | 16020 | 17200 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | FYU | | BHZ BHN BHE | 251.3 km | 40.6 deg | 13578 | 17296 | 15283 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | G22K | | BHZ BHN BHE | 254.5 km | 333.6 deg | 2670 | 7926 | 5813 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | SCRK | | BHZ BHN BHE | 258.6 km | 111.2 deg | 4021 | 7842 | 5876 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J26L | | BHZ BHN BHE | 259.2 km | 97.4 deg | 9126 | 13673 | 10078 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | J20K | | BHZ BHN BHE | 263.4 km | 254.6 deg | 9947 | 11445 | 13521 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I20K | | BHZ BHN BHE | 263.9 km | 270.1 deg | 13896 | 35930 | 31755 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | WAT6 | | BHZ BHN BHE | 264.8 km | 166.8 deg | 4863 | 2758 | 6038 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | COLD | | BHZ BHN BHE | 266.1 km | 348.0 deg | 5034 | 4992 | 6601 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | DOT | | BHZ BHN BHE | 273.1 km | 118.5 deg | 3800 | 6754 | 8435 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PAX | | BHZ BHN BHE | 273.4 km | 140.2 deg | 4250 | 5120 | 4439 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | I26K | | BHZ BHN BHE | 274.6 km | 77.9 deg | 17259 | 23292 | 33984 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | PPLA | | BHZ BHN BHE | 274.9 km | 217.2 deg | 6297 | 6869 | 10149 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | G21K | | BHZ BHN BHE | 277.2 km | 312.6 deg | 3036 | 6684 | 10061 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | CUT | | BHZ BHN BHE | 285.6 km | 194.1 deg | 6001 | 12156 | 10379 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H20K | | BHZ BHN BHE | 286.8 km | 286.1 deg | 7154 | 7197 | 7800 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | F24K | | BHZ BHN BHE | 295.9 km | 8.6 deg | 5554 | 5018 | 5553 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |

Table G15: Stations NOT exhibiting anomalously high amplitudes for the 2018-10-27 $M_w$ 4.9 earthquake. See waveforms in Figure G15.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AK | MLY | | BHZ BHN BHE | 44.8 km | 119.1 deg | 1030413 | 1094875 | 1189629 | 0 | 0 | 0 | 0.14 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H21K | | BHZ BHN BHE | 74.5 km | 310.5 deg | 405032 | 638039 | 1046349 | 0 | 0 | 0 | 0.12 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | H22K | | BHZ BHN BHE | 74.7 km | 6.9 deg | 457749 | 348159 | 1303294 | 0 | 0 | 0 | 0.16 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F7TV | | HHZ HHN HHE | 92.4 km | 116.1 deg | 1328001 | 2795523 | 3813681 | 0 | 0 | 0 | 0.45 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F8KN | | HHZ HHN HHE | 93.2 km | 122.9 deg | 949180 | 1274577 | 916813 | 0 | 0 | 0 | 0.15 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F6TP | | HHZ HHN HHE | 102.9 km | 111.9 deg | 788687 | 2034746 | 1382694 | 0 | 0 | 0 | 0.24 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I23K | | BHZ BHN BHE | 104.1 km | 93.9 deg | 606216 | 1489576 | 1282560 | 0 | 0 | 0 | 0.18 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | H23K | | BHZ BHN BHE | 115.1 km | 53.8 deg | 513515 | 708315 | 1028742 | 0 | 0 | 0 | 0.12 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| XV | F5MN | | HHZ HHN HHE | 118.9 km | 107.6 deg | 1854801 | 4729458 | 2362888 | 0 | 0 | 0 | 0.56 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F4TN | | HHZ HHN HHE | 122.3 km | 110.0 deg | 957248 | 1676591 | 2528386 | 0 | 0 | 0 | 0.30 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | FNN2 | | HHZ HHN HHE | 124.3 km | 124.9 deg | 1028242 | 1104214 | 929620 | 0 | 0 | 0 | 0.13 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F3TN | | HHZ HHN HHE | 125.3 km | 112.9 deg | 1034747 | 2368637 | 2854222 | 0 | 0 | 0 | 0.34 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | BPAW | | BHZ BHN BHE | 128.9 km | 167.2 deg | 367098 | 672759 | 981790 | 0 | 0 | 0 | 0.12 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| XV | F2TN | | HHZ HHN HHE | 129.0 km | 115.5 deg | 657517 | 939003 | 775888 | 0 | 0 | 0 | 0.11 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F1TN | | HHZ HHN HHE | 130.9 km | 118.2 deg | 761165 | 1828969 | 1048188 | 0 | 0 | 0 | 0.22 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | FNN1 | | HHZ HHN HHE | 133.5 km | 122.2 deg | 1444338 | 4533575 | 5516307 | 0 | 0 | 0 | 0.66 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | FPAP | | HHZ HHN HHE | 135.7 km | 119.2 deg | 677636 | 2267905 | 1733079 | 0 | 0 | 0 | 0.27 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| DE | UAF02 | | HHZ HHN HHE | 138.1 km | 119.7 deg | 209362 | 535849 | 299305 | 0 | 0 | 0 | 0.06 (24-bit) | TrilliumHorizon |
| AK | NEA2 | | BHZ BHN BHE | 138.1 km | 119.7 deg | 219622 | 570412 | 311299 | 0 | 0 | 0 | 0.07 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| DE | UAF01 | | HHZ HH2 HH1 | 140.2 km | 121.5 deg | 454138 | 1102705 | 1083295 | 0 | 0 | 0 | 0.13 (24-bit) | Nanometrics Research Network |
| XV | FAPT | | HHZ HHN HHE | 140.2 km | 121.5 deg | 741846 | 1709556 | 2108945 | 0 | 0 | 0 | 0.25 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | FTGH | | HHZ HHN HHE | 142.9 km | 113.5 deg | 254133 | 631739 | 572088 | 0 | 0 | 0 | 0.08 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | CHUM | | BHZ BHN BHE | 154.2 km | 193.7 deg | 872215 | 2125296 | 1956397 | 0 | 0 | 0 | 0.25 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H20K | | BHZ BHN BHE | 156.6 km | 282.3 deg | 632812 | 644442 | 568913 | 0 | 0 | 0 | 0.08 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | BWN | | BHZ BHN BHE | 160.0 km | 136.3 deg | 622015 | 525343 | 410535 | 0 | 0 | 0 | 0.07 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | G21K | | BHZ BHN BHE | 168.4 km | 329.3 deg | 267483 | 559833 | 863244 | 0 | 0 | 0 | 0.10 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | J20K | | BHZ BHN BHE | 169.7 km | 227.5 deg | 312716 | 547524 | 603400 | 0 | 0 | 0 | 0.07 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| IU | COLA | 00 | BHZ BH2 BH1 | 179.2 km | 101.1 deg | 1386144 | 1257281 | 1440577 | 0 | 0 | 0 | 0.04 (26-bit) | Streckeisen STS-6A VBB Seismometer |
| IU | COLA | 00 | HHZ HH2 HH1 | 179.2 km | 101.1 deg | 1387844 | 1257247 | 1438764 | 0 | 0 | 0 | 0.04 (26-bit) | Streckeisen STS-6A VBB Seismometer |
| IU | COLA | 10 | BHZ BH2 BH1 | 179.2 km | 101.1 deg | 3207560 | 11281071 | 7696243 | 0 | 0 | 0 | 0.34 (26-bit) | Streckeisen STS-5A BB seismometer |
| IU | COLA | 10 | HHZ HH2 HH1 | 179.2 km | 101.1 deg | 3188086 | 11282875 | 7712849 | 0 | 0 | 0 | 0.34 (26-bit) | Streckeisen STS-5A BB seismometer |
| TA | G23K | | BHZ BHN BHE | 179.7 km | 22.4 deg | 162525 | 173799 | 238699 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H24K | | BHZ BHN BHE | 183.8 km | 66.7 deg | 263545 | 412436 | 397846 | 0 | 0 | 0 | 0.05 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | WRH | | BHZ BHN BHE | 185.5 km | 115.5 deg | 282806 | 237180 | 259624 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | G22K | | BHZ BHN BHE | 188.8 km | 0.9 deg | 124895 | 313228 | 286414 | 0 | 0 | 0 | 0.04 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | KTH | | BHZ BHN BHE | 189.4 km | 170.2 deg | 302513 | 384415 | 845573 | 0 | 0 | 0 | 0.10 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | CCB | | BHZ BHN BHE | 189.7 km | 108.3 deg | 174723 | 320968 | 236590 | 0 | 0 | 0 | 0.04 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| TA | POKR | | BHZ BHN BHE | 194.4 km | 91.8 deg | 325334 | 353392 | 282474 | 0 | 0 | 0 | 0.04 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 194.4 km | 91.8 deg | 414607 | 447097 | 359606 | 0 | 0 | 0 | 0.05 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | CAST | | BHZ BHN BHE | 203.2 km | 187.2 deg | 336108 | 525045 | 345120 | 0 | 0 | 0 | 0.06 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | TRF | | BHZ BHN BHE | 207.7 km | 162.0 deg | 245455 | 380843 | 609666 | 0 | 0 | 0 | 0.07 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | MCK | | BHZ BHN BHE | 209.5 km | 141.6 deg | 118648 | 165430 | 186616 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H19K | | BHZ BHN BHE | 229.1 km | 280.6 deg | 190341 | 280133 | 270937 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | COLD | | BHZ BHN BHE | 231.2 km | 14.8 deg | 135462 | 128688 | 134780 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J19K | | BHZ BHN BHE | 237.5 km | 236.4 deg | 258877 | 414420 | 325816 | 0 | 0 | 0 | 0.05 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | HDA | | BHZ BHN BHE | 237.9 km | 110.5 deg | 210971 | 196279 | 214673 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | F21K | | BHZ BHN BHE | 238.3 km | 339.7 deg | 56158 | 87429 | 173986 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | K20K | | BHZ BHN BHE | 241.1 km | 211.2 deg | 154244 | 252862 | 177738 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | RND | | BHZ BHN BHE | 241.9 km | 145.9 deg | 76063 | 110705 | 86118 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | G24K | | BHZ BHN BHE | 248.3 km | 46.8 deg | 70267 | 111451 | 150910 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | F22K | | BHZ BHN BHE | 255.6 km | 354.2 deg | 106921 | 91199 | 125141 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | GCSA | | BHZ BHN BHE | 256.0 km | 260.3 deg | 146706 | 281696 | 388991 | 0 | 0 | 0 | 0.05 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | PPLA | | BHZ BHN BHE | 261.7 km | 186.9 deg | 183929 | 214425 | 291096 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | G19K | | BHZ BHN BHE | 273.0 km | 294.4 deg | 106171 | 251463 | 167353 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | F20K | | BHZ BHN BHE | 276.2 km | 319.2 deg | 52163 | 93227 | 67786 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | PPD | | BHZ BHN BHE | 283.1 km | 80.7 deg | 169598 | 235979 | 190759 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H25L | | BHZ BHN BHE | 288.1 km | 63.7 deg | 217400 | 337311 | 341229 | 0 | 0 | 0 | 0.04 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | WAT7 | | BHZ BHN BHE | 298.4 km | 152.2 deg | 82568 | 75148 | 71296 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |

Table G16: Stations NOT exhibiting anomalously high amplitudes for the 2018-11-30 $M_w$ 7.1 earthquake. See waveforms in Figure G16.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AK | BPAW | | BHZ BHN BHE | 311.4 km | 350.7 deg | 2791793 | 3084174 | 6715665 | 0 | 0 | 1 | 0.80 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| XV | FAPT | | HHZ HHN HHE | 359.8 km | 6.7 deg | 3747634 | 9287849 | 7783640 | 0 | 87 | 54 | 1.11 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| DE | UAF01 | | HHZ HHN HHE | 359.8 km | 6.7 deg | 2235216 | 5652196 | 4945432 | 0 | 0 | 0 | 0.67 (24-bit) | Nanometrics Research Network |
| XV | FNN2 | | HHZ HHN HHE | 360.9 km | 3.9 deg | 5551566 | 10192968 | 10202399 | 0 | 217 | 322 | 1.22 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | WRH | | BHZ BHN BHE | 360.9 km | 14.4 deg | 4953073 | 2919472 | 3442578 | 0 | 0 | 0 | 0.59 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| XV | FNN1 | | HHZ HHN HHE | 361.4 km | 5.6 deg | 5556090 | 9871632 | 10177422 | 0 | 194 | 320 | 1.21 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| DE | UAF02 | | HHZ HHN HHE | 364.6 km | 6.7 deg | 1768089 | 1822794 | 2569172 | 0 | 0 | 0 | 0.31 (24-bit) | TrilliumHorizon |
| AK | NEA2 | | BHZ BHN BHE | 364.6 km | 6.7 deg | 1853796 | 1747112 | 2821629 | 0 | 0 | 0 | 0.34 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| XV | FPAP | | HHZ HHN HHE | 366.7 km | 6.4 deg | 3395058 | 8286542 | 9232672 | 0 | 19 | 37 | 1.10 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F1TN | | HHZ HHN HHE | 370.9 km | 5.9 deg | 6304333 | 8297245 | 9902563 | 0 | 104 | 315 | 1.18 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F2TN | | HHZ HHN HHE | 377.1 km | 6.0 deg | 8205565 | 8159085 | 8765637 | 51 | 73 | 151 | 1.04 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | FTGH | | HHZ HHN HHE | 377.2 km | 8.2 deg | 1737248 | 1422888 | 3463722 | 0 | 0 | 0 | 0.41 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F8KN | | HHZ HHN HHE | 381.1 km | 0.2 deg | 1822562 | 1338620 | 2731326 | 0 | 0 | 0 | 0.33 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | CCB | | BHZ BHN BHE | 383.4 km | 15.6 deg | 2446427 | 1872815 | 3893509 | 0 | 0 | 0 | 0.46 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| XV | F3TN | | HHZ HHN HHE | 384.0 km | 5.8 deg | 4867942 | 10200855 | 10205955 | 0 | 850 | 809 | 1.22 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F4TN | | HHZ HHN HHE | 390.8 km | 5.6 deg | 6254212 | 8113682 | 10060308 | 0 | 217 | 316 | 1.20 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F7TV | | HHZ HHN HHE | 391.0 km | 0.9 deg | 2146000 | 6532739 | 6198441 | 0 | 0 | 0 | 0.78 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F6TP | | HHZ HHN HHE | 393.3 km | 2.7 deg | 3724897 | 4817295 | 7631625 | 0 | 0 | 102 | 0.91 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F5MN | | HHZ HHN HHE | 396.4 km | 5.3 deg | 4804637 | 6489154 | 10091025 | 0 | 0 | 318 | 1.20 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| IU | COLA | 00 | BHZ BH2 BH1 | 407.1 km | 14.1 deg | 6799799 | 16346385 | 12252100 | 0 | 0 | 0 | 0.49 (26-bit) | Streckeisen STS-6A VBB Seismometer |
| IU | COLA | 00 | HHZ HH2 HH1 | 407.1 km | 14.1 deg | 6789676 | 16335733 | 12215855 | 0 | 0 | 0 | 0.49 (26-bit) | Streckeisen STS-6A VBB Seismometer |
| AK | MLY | | BHZ BHN BHE | 412.5 km | 354.8 deg | 1493194 | 1505209 | 2398839 | 0 | 0 | 0 | 0.29 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | I23K | | BHZ BHN BHE | 424.8 km | 3.8 deg | 2460198 | 2953215 | 4452817 | 0 | 0 | 0 | 0.53 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | POKR | | BHZ BHN BHE | 438.9 km | 15.7 deg | 1324811 | 1994404 | 3096698 | 0 | 0 | 0 | 0.37 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 438.9 km | 15.7 deg | 1622363 | 2491687 | 3938703 | 0 | 0 | 0 | 0.47 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |

Table G17: Stations NOT exhibiting anomalously high amplitudes for the 2019-04-11 $M_w$ 4.15 earthquake. See waveforms in Figure G17.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| XV | F2TN | | HHZ HHN HHE | 3.7 km | 146.5 deg | 680140 | 849470 | 787120 | 0 | 0 | 0 | 0.10 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F4TN | | HHZ HHN HHE | 10.8 km | 5.8 deg | 1578622 | 3893123 | 4506791 | 0 | 0 | 0 | 0.54 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | NEA2 | | BHZ BHN BHE | 16.9 km | 162.4 deg | 362011 | 1226766 | 762545 | 0 | 0 | 0 | 0.15 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| DE | UAF02 | | HHZ HHN HHE | 16.9 km | 162.4 deg | 430786 | 1216374 | 773359 | 0 | 0 | 0 | 0.15 (24-bit) | TrilliumHorizon |
| XV | FTGH | | HHZ HHN HHE | 17.4 km | 106.8 deg | 865859 | 1598256 | 1736382 | 0 | 0 | 0 | 0.21 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | FNN2 | | HHZ HHN HHE | 22.1 km | 215.7 deg | 646459 | 701391 | 1157984 | 0 | 0 | 0 | 0.14 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F6TP | | HHZ HHN HHE | 23.5 km | 309.3 deg | 716119 | 1517647 | 1561162 | 0 | 0 | 0 | 0.19 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F8KN | | HHZ HHN HHE | 36.1 km | 275.4 deg | 482539 | 997246 | 1744431 | 0 | 0 | 0 | 0.21 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I23K | | BHZ BHN BHE | 46.6 km | 349.3 deg | 174074 | 183621 | 210815 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | WRH | | BHZ BHN BHE | 59.7 km | 119.2 deg | 175580 | 366699 | 285419 | 0 | 0 | 0 | 0.04 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| IU | COLA | 00 | BHZ BH2 BH1 | 64.3 km | 75.7 deg | 455705 | 550313 | 875163 | 0 | 0 | 0 | 0.03 (26-bit) | Streckeisen STS-6A VBB Seismometer |
| IU | COLA | 00 | HHZ HH2 HH1 | 64.3 km | 75.7 deg | 1912 | 1493 | 1113 | 0 | 0 | 0 | 0.00 (26-bit) | Streckeisen STS-6A VBB Seismometer |
| IU | COLA | 10 | BHZ BH2 BH1 | 64.3 km | 75.7 deg | 1838008 | 3964076 | 3031484 | 0 | 0 | 0 | 0.12 (26-bit) | Streckeisen STS-5A BB seismometer |
| IU | COLA | 10 | HHZ HH2 HH1 | 64.3 km | 75.7 deg | 1837125 | 3951157 | 3032751 | 0 | 0 | 0 | 0.12 (26-bit) | Streckeisen STS-5A BB seismometer |
| AK | CCB | | BHZ BHN BHE | 66.2 km | 98.3 deg | 195364 | 444683 | 360016 | 0 | 0 | 0 | 0.05 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| TA | POKR | | BHZ BHN BHE | 92.7 km | 62.0 deg | 114250 | 141786 | 175787 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 92.7 km | 62.0 deg | 141214 | 180192 | 229498 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | BPAW | | BHZ BHN BHE | 112.5 km | 231.7 deg | 198670 | 192653 | 175261 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | MCK | | BHZ BHN BHE | 112.7 km | 174.0 deg | 91581 | 71457 | 86169 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | HDA | | BHZ BHN BHE | 112.9 km | 107.9 deg | 261691 | 286727 | 413690 | 0 | 0 | 0 | 0.05 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H23K | | BHZ BHN BHE | 122.5 km | 352.1 deg | 92556 | 110705 | 89368 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | H24K | | BHZ BHN BHE | 136.8 km | 25.7 deg | 88641 | 113661 | 184040 | 0 | 0 | 0 | 0.02 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | I21K | | BHZ BHN BHE | 141.5 km | 291.7 deg | 113698 | 358715 | 182669 | 0 | 0 | 0 | 0.04 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | RND | | BHZ BHN BHE | 149.2 km | 173.9 deg | 26074 | 34412 | 48086 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | TRF | | BHZ BHN BHE | 153.4 km | 201.2 deg | 50057 | 74030 | 73068 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | KTH | | BHZ BHN BHE | 157.0 km | 213.6 deg | 64649 | 73437 | 82071 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | H22K | | BHZ BHN BHE | 164.8 km | 322.5 deg | 92089 | 66458 | 85169 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | CHUM | | BHZ BHN BHE | 179.3 km | 239.3 deg | 69066 | 146338 | 166452 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J25K | | BHZ BHN BHE | 182.2 km | 92.6 deg | 36408 | 71151 | 50563 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H21K | | BHZ BHN BHE | 198.5 km | 302.8 deg | 31273 | 70097 | 64016 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | CAST | | BHZ BHN BHE | 204.2 km | 225.3 deg | 38452 | 59614 | 78009 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | G23K | | BHZ BHN BHE | 223.5 km | 350.4 deg | 17118 | 11286 | 15006 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H25L | | BHZ BHN BHE | 230.7 km | 40.8 deg | 41091 | 52188 | 73469 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | G24K | | BHZ BHN BHE | 232.4 km | 18.9 deg | 28390 | 41170 | 30087 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | RIDG | | BHZ BHN BHE | 237.6 km | 115.9 deg | 34940 | 57088 | 57883 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J20K | | BHZ BHN BHE | 247.2 km | 257.6 deg | 54688 | 83683 | 104952 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I20K | | BHZ BHN BHE | 252.3 km | 273.9 deg | 87698 | 216881 | 207798 | 0 | 0 | 0 | 0.03 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | PPLA | | BHZ BHN BHE | 253.2 km | 217.2 deg | 36043 | 36149 | 50376 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | SCRK | | BHZ BHN BHE | 264.4 km | 106.4 deg | 14766 | 22201 | 18084 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | CUT | | BHZ BHN BHE | 265.4 km | 192.2 deg | 39516 | 87776 | 71361 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | G22K | | BHZ BHN BHE | 265.8 km | 337.4 deg | 5772 | 14228 | 12803 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | G25K | | BHZ BHN BHE | 266.4 km | 30.5 deg | 44911 | 50601 | 35085 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | PAX | | BHZ BHN BHE | 268.3 km | 135.5 deg | 11157 | 10932 | 15225 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J26L | | BHZ BHN BHE | 269.7 km | 93.1 deg | 25691 | 24160 | 24186 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | FYU | | BHZ BHN BHE | 272.8 km | 39.9 deg | 23794 | 51994 | 31658 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | DOT | | BHZ BHN BHE | 276.1 km | 113.8 deg | 29368 | 37853 | 27427 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | H20K | | BHZ BHN BHE | 280.8 km | 290.0 deg | 47903 | 52358 | 51472 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | G21K | | BHZ BHN BHE | 281.2 km | 316.8 deg | 9605 | 24452 | 33368 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | COLD | | BHZ BHN BHE | 281.5 km | 350.9 deg | 12599 | 9639 | 14485 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | K20K | | BHZ BHN BHE | 284.2 km | 239.5 deg | 18940 | 40136 | 45015 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I26K | | BHZ BHN BHE | 290.8 km | 74.7 deg | 20581 | 41098 | 45635 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |

Table G18: Stations NOT exhibiting anomalously high amplitudes for the 2019-09-06 $M_w$ 4.6 earthquake. See waveforms in Figure G18.

| net | sta | loc | channels | station distance | station azimuth | max counts on each component | | | # time steps exceeding threshold | | | clipping | sensor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TA | I21K | | BHZ BHN BHE | 68.3 km | 15.0 deg | 96611 | 152236 | 204102 | 0 | 0 | 0 | 0.02 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| AK | BPAW | | BHZ BHN BHE | 85.8 km | 128.9 deg | 312312 | 757684 | 470834 | 0 | 0 | 0 | 0.09 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | MLY | | BHZ BHN BHE | 91.1 km | 56.6 deg | 104025 | 190066 | 90248 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | J20K | | BHZ BHN BHE | 97.8 km | 242.8 deg | 469136 | 447413 | 656779 | 0 | 0 | 0 | 0.08 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I20K | | BHZ BHN BHE | 103.8 km | 283.8 deg | 1281895 | 2524158 | 1823532 | 0 | 0 | 0 | 0.30 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| XV | F8KN | | HHZ HHN HHE | 117.5 km | 79.3 deg | 58340 | 136812 | 150205 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H21K | | BHZ BHN BHE | 120.9 km | 350.2 deg | 53764 | 80860 | 94576 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| XV | F7TV | | HHZ HHN HHE | 124.3 km | 75.1 deg | 121729 | 239814 | 264560 | 0 | 0 | 0 | 0.03 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | KTH | | BHZ BHN BHE | 135.1 km | 148.1 deg | 112391 | 101010 | 112911 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| XV | F6TP | | HHZ HHN HHE | 137.0 km | 75.5 deg | 58883 | 141829 | 158015 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | H22K | | BHZ BHN BHE | 152.5 km | 17.0 deg | 45370 | 35635 | 49772 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F2TN | | HHZ HHN HHE | 154.7 km | 83.6 deg | 112623 | 121734 | 154673 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| XV | F5MN | | HHZ HHN HHE | 154.9 km | 76.2 deg | 198839 | 269235 | 444413 | 0 | 0 | 0 | 0.05 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | I23K | | BHZ BHN BHE | 155.2 km | 65.0 deg | 75149 | 78327 | 111459 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | H20K | | BHZ BHN BHE | 155.8 km | 311.4 deg | 96967 | 143958 | 125509 | 0 | 0 | 0 | 0.02 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| XV | FPAP | | HHZ HHN HHE | 156.0 km | 87.5 deg | 169564 | 358265 | 405756 | 0 | 0 | 0 | 0.05 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| DE | UAF01 | | HHZ HHN HHE | 157.0 km | 90.1 deg | 93129 | 295821 | 278871 | 0 | 0 | 0 | 0.04 (24-bit) | Nanometrics Research Network |
| XV | FAPT | | HHZ HHN HHE | 157.0 km | 90.1 deg | 160680 | 511838 | 480404 | 0 | 0 | 0 | 0.06 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| DE | UAF02 | | HHZ HHN HHE | 157.5 km | 88.4 deg | 68220 | 87188 | 114935 | 0 | 0 | 0 | 0.01 (24-bit) | TrilliumHorizon |
| AK | NEA2 | | BHZ BHN BHE | 157.5 km | 88.4 deg | 68438 | 90317 | 118241 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | K20K | | BHZ BHN BHE | 160.9 km | 212.2 deg | 111489 | 198541 | 147916 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | TRF | | BHZ BHN BHE | 162.3 km | 140.5 deg | 83017 | 125536 | 115788 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| XV | FTGH | | HHZ HHN HHE | 169.1 km | 84.5 deg | 61854 | 81537 | 120673 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | J19K | | BHZ BHN BHE | 171.4 km | 248.7 deg | 84752 | 177231 | 168553 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | PPLA | | BHZ BHN BHE | 188.9 km | 177.4 deg | 82787 | 93786 | 154124 | 0 | 0 | 0 | 0.02 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | H23K | | BHZ BHN BHE | 190.6 km | 42.4 deg | 39289 | 59135 | 78408 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | MCK | | BHZ BHN BHE | 191.9 km | 118.3 deg | 55895 | 95597 | 101079 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WRH | | BHZ BHN BHE | 205.2 km | 91.7 deg | 27247 | 54947 | 30047 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| AK | RND | | BHZ BHN BHE | 216.1 km | 126.0 deg | 24724 | 31470 | 33934 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| IU | COLA | 10 | BHZ BH2 BH1 | 216.5 km | 79.5 deg | 448061 | 963696 | 656397 | 0 | 0 | 0 | 0.03 (26-bit) | Streckeisen STS-5A BB seismometer |
| IU | COLA | 10 | HHZ HH2 HH1 | 216.5 km | 79.5 deg | 458157 | 970791 | 663967 | 0 | 0 | 0 | 0.03 (26-bit) | Streckeisen STS-5A BB seismometer |
| AK | GCSA | | BHZ BHN BHE | 216.6 km | 276.7 deg | 50087 | 87132 | 109261 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | CCB | | BHZ BHN BHE | 217.9 km | 86.3 deg | 45114 | 47461 | 52666 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| TA | H19K | | BHZ BHN BHE | 219.1 km | 300.4 deg | 54338 | 136474 | 182993 | 0 | 0 | 0 | 0.02 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | G21K | | BHZ BHN BHE | 221.3 km | 346.7 deg | 31325 | 52679 | 54962 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | POKR | | BHZ BHN BHE | 240.8 km | 73.6 deg | 17752 | 28539 | 30630 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | POKR | 01 | BHZ BHN BHE | 240.8 km | 73.6 deg | 21809 | 35332 | 37875 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-4B/Quanterra 330 Linear Phase Co |
| TA | L22K | | BHZ BHN BHE | 243.1 km | 160.3 deg | 36614 | 78186 | 63145 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | J18K | | BHZ BHN BHE | 247.1 km | 241.5 deg | 39983 | 58474 | 65775 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| TA | L20K | | BHZ BHN BHE | 247.1 km | 198.5 deg | 80692 | 130464 | 172923 | 0 | 0 | 0 | 0.02 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | H24K | | BHZ BHN BHE | 251.5 km | 54.4 deg | 19599 | 31285 | 33453 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | G23K | | BHZ BHN BHE | 259.8 km | 23.4 deg | 13636 | 14273 | 20699 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | HDA | | BHZ BHN BHE | 260.7 km | 92.0 deg | 26906 | 36073 | 65147 | 0 | 0 | 0 | 0.01 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| AK | WAT7 | | BHZ BHN BHE | 261.5 km | 136.9 deg | 40323 | 37279 | 29103 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | G22K | | BHZ BHN BHE | 263.0 km | 8.1 deg | 10497 | 21798 | 24687 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |
| AK | WAT1 | | HHZ HHN HHE | 271.8 km | 134.5 deg | 21512 | 27916 | 35551 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 240Sec Response sn400 and |
| TA | G19K | | BHZ BHN BHE | 280.0 km | 310.4 deg | 14275 | 19614 | 22359 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| TA | H18K | | BHZ BHN BHE | 291.4 km | 285.2 deg | 21693 | 21704 | 22229 | 0 | 0 | 0 | 0.00 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | SKN | | BHZ BHN BHE | 293.7 km | 171.5 deg | 65267 | 72418 | 51468 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5/Quanterra 330Linear Phase Bel |
| TA | L19K | | BHZ BHN BHE | 295.9 km | 206.1 deg | 44829 | 64177 | 88377 | 0 | 0 | 0 | 0.01 (24-bit) | Streckeisen STS-5A/Quanterra 330 Linear Phase Co |
| AK | DHY | | BHZ BHN BHE | 297.6 km | 122.3 deg | 21275 | 23645 | 24034 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120Sec Response/Quanterra |
| TA | F21K | | BHZ BHN BHE | 298.0 km | 350.6 deg | 10963 | 12003 | 14733 | 0 | 0 | 0 | 0.00 (24-bit) | Nanometrics Trillium 120 Sec PH Response/Quanter |

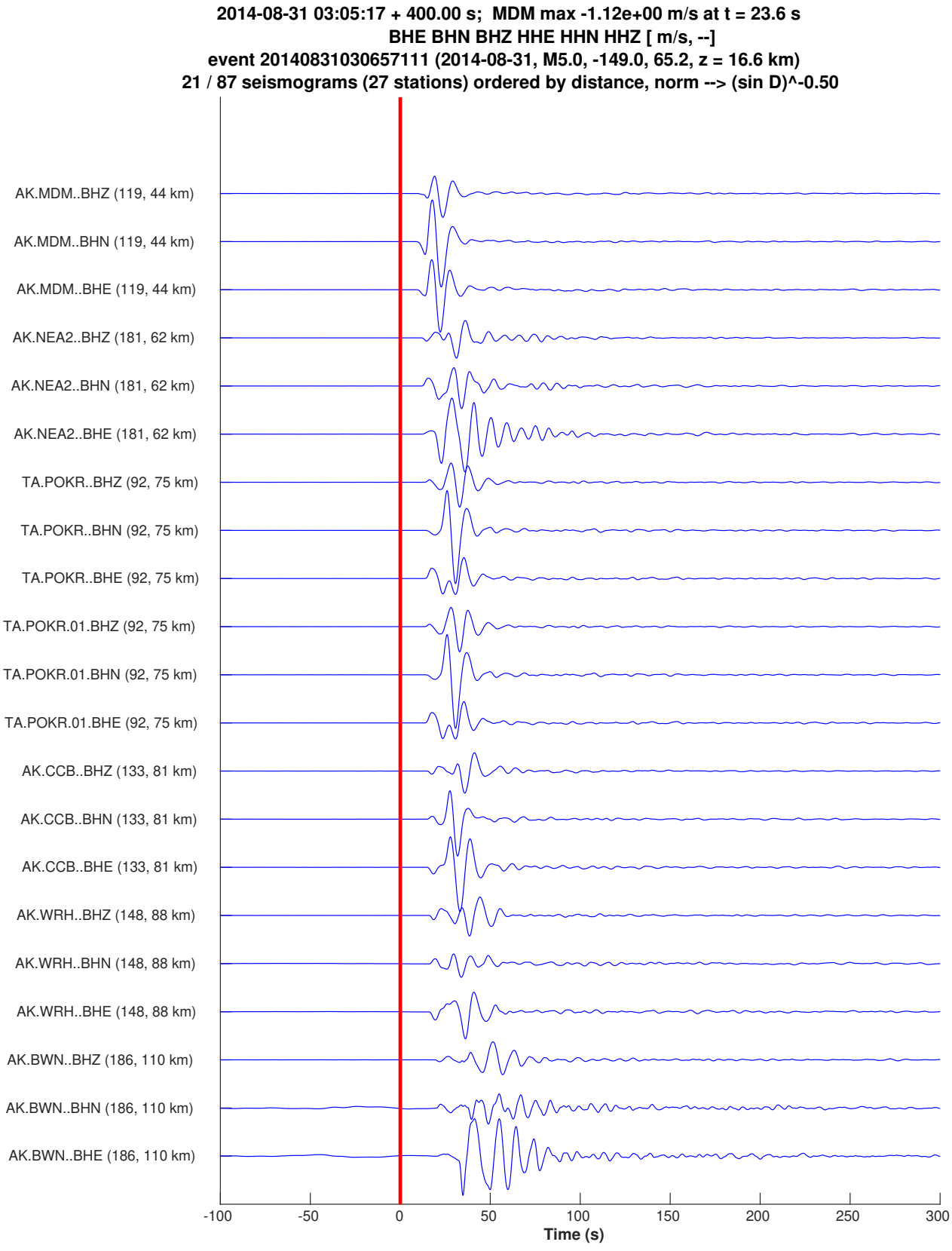



Figure G1: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G1) for the 2014-08-31 $M_w$ 5.0 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

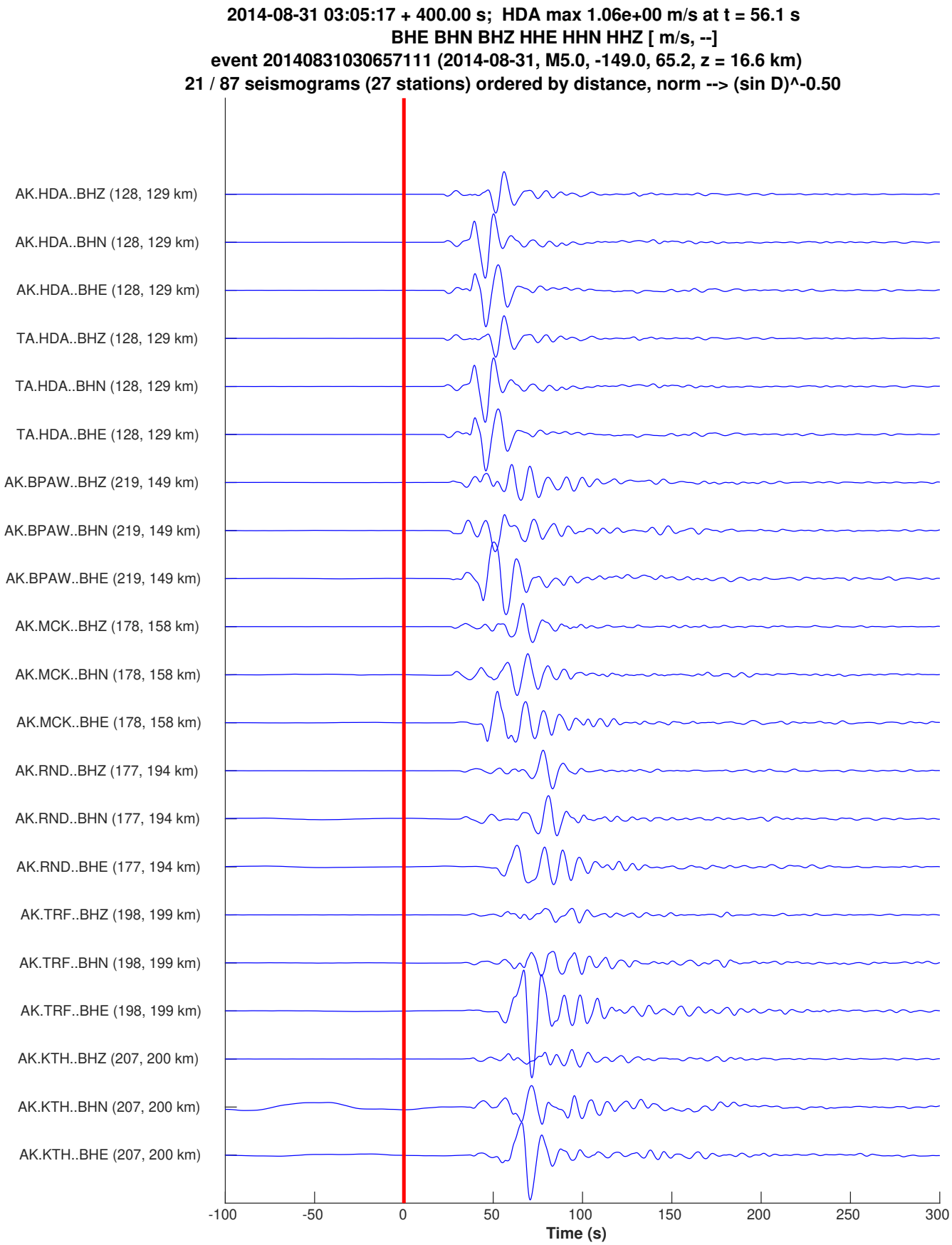



Figure G1, Part 2

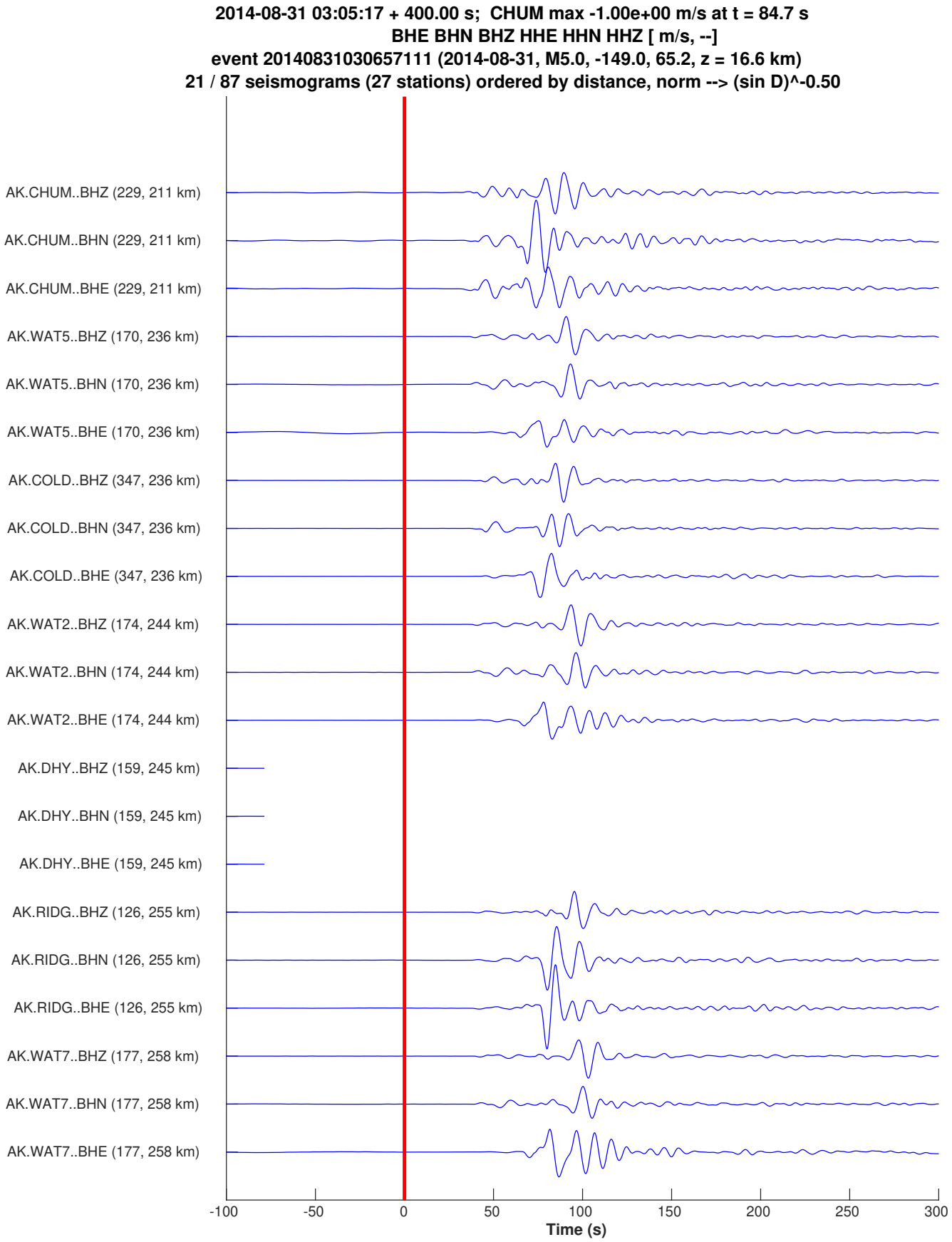



Figure G1, Part 3

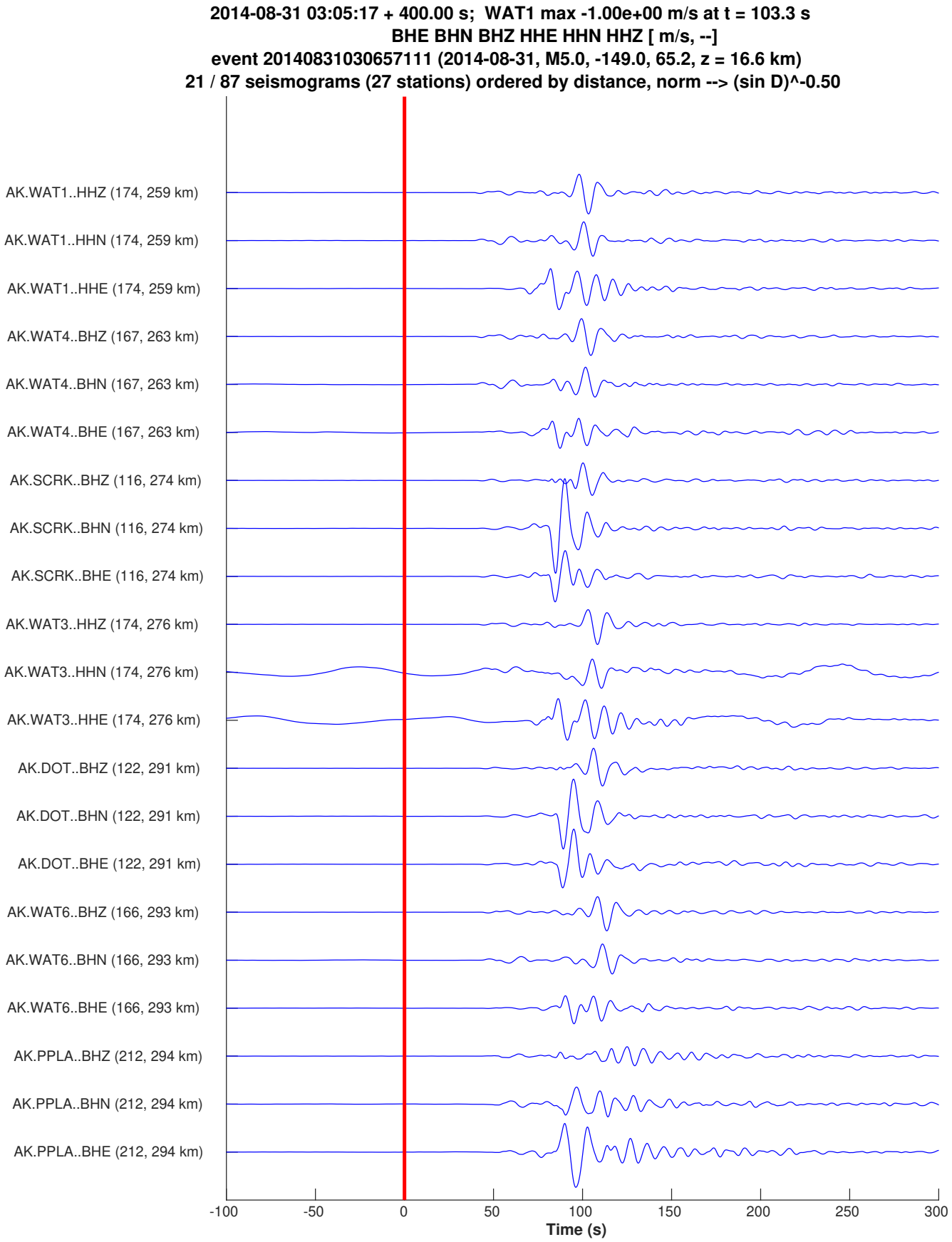



Figure G1, Part 4

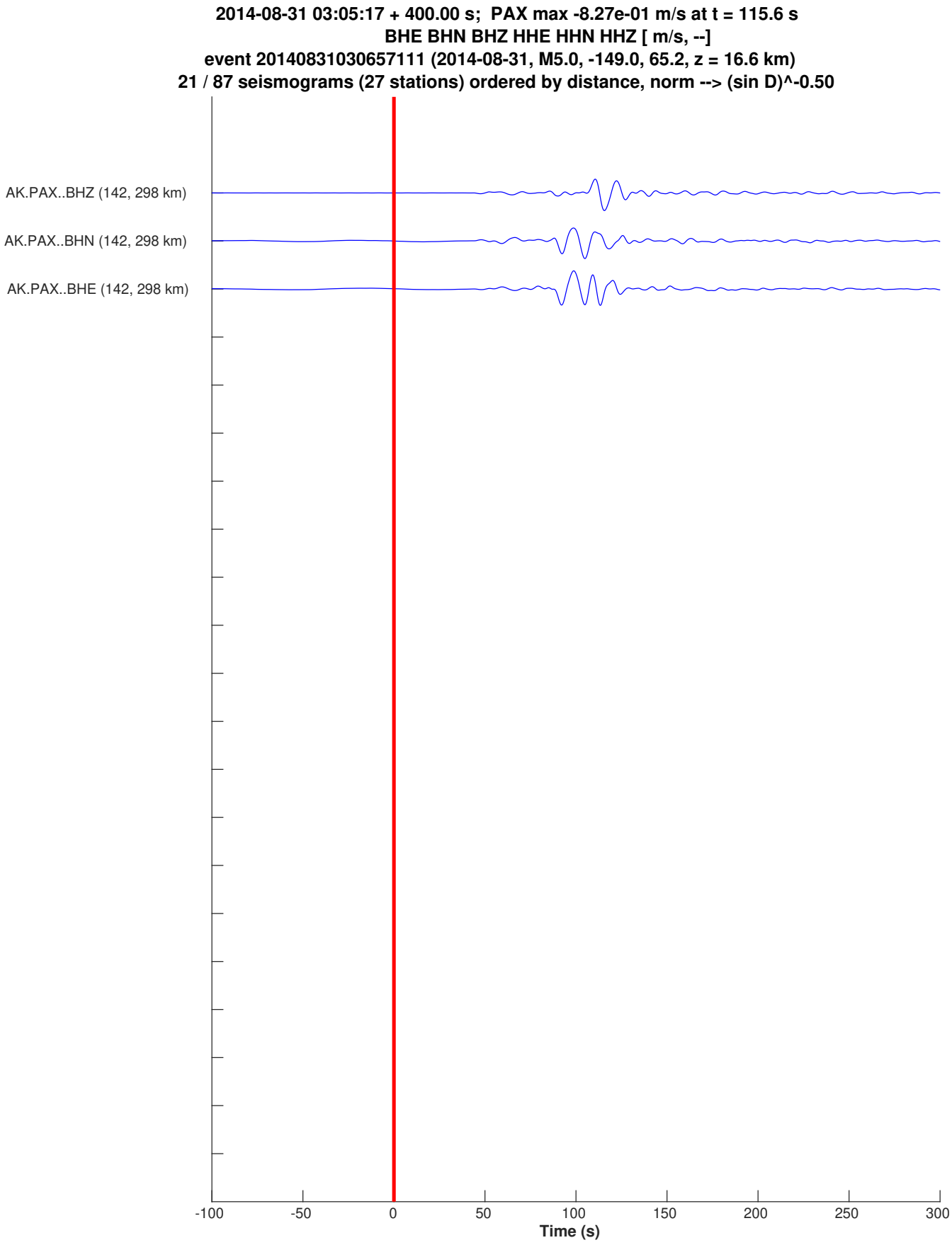



Figure G1, Part 5

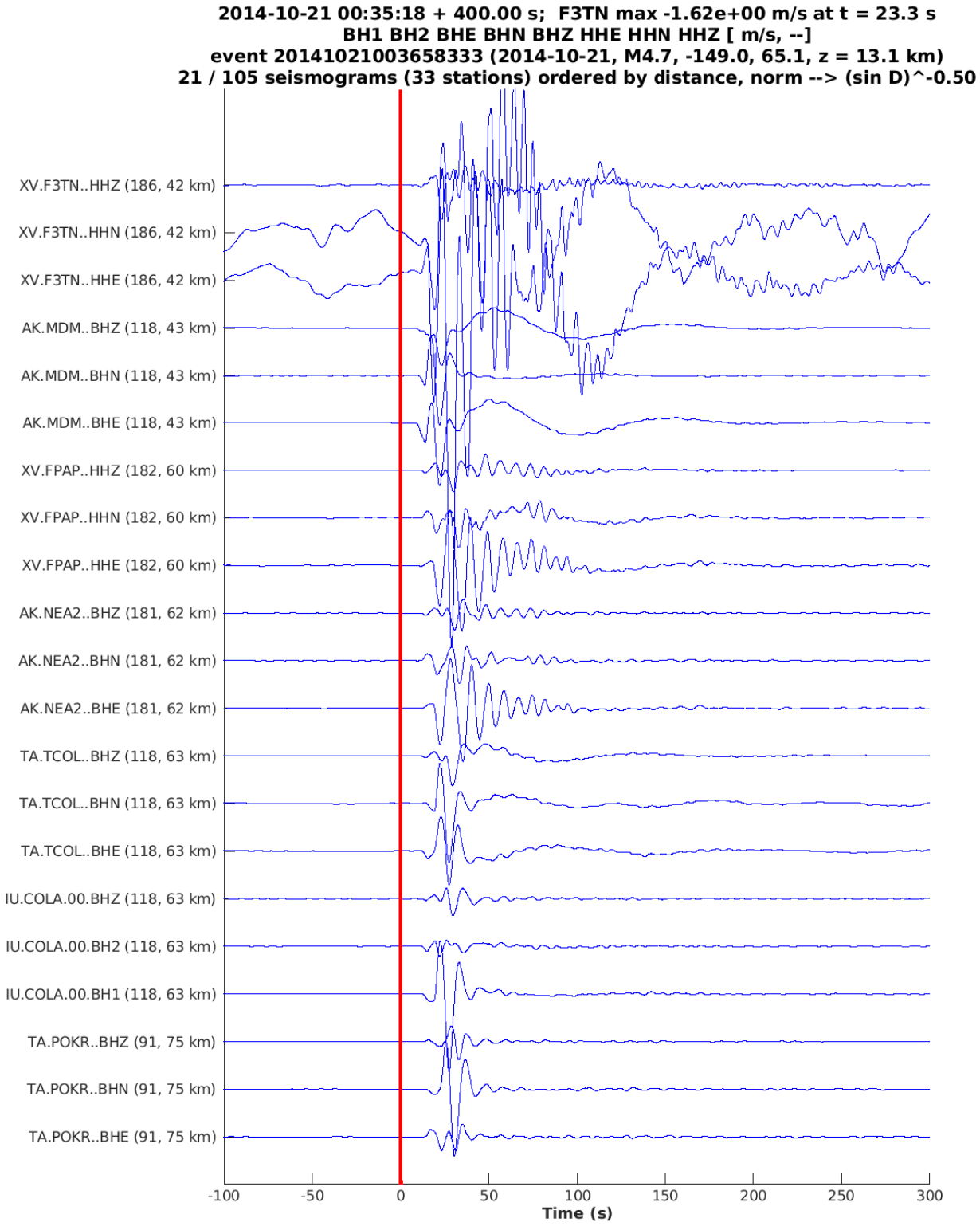



Figure G2: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G2) for the 2014-10-21 $M_{\mathrm{w}}$ 4.7 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

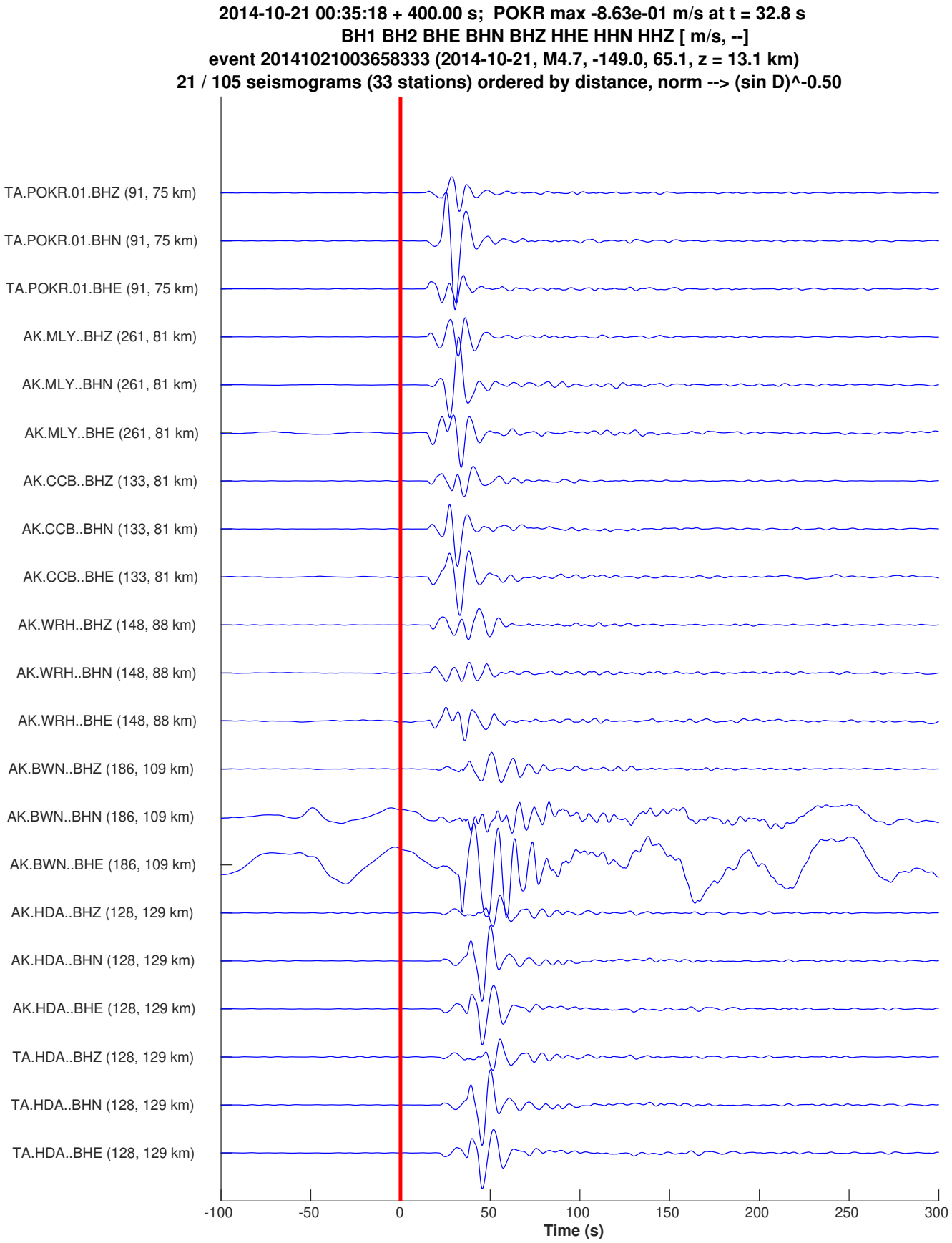



Figure G2, Part 2

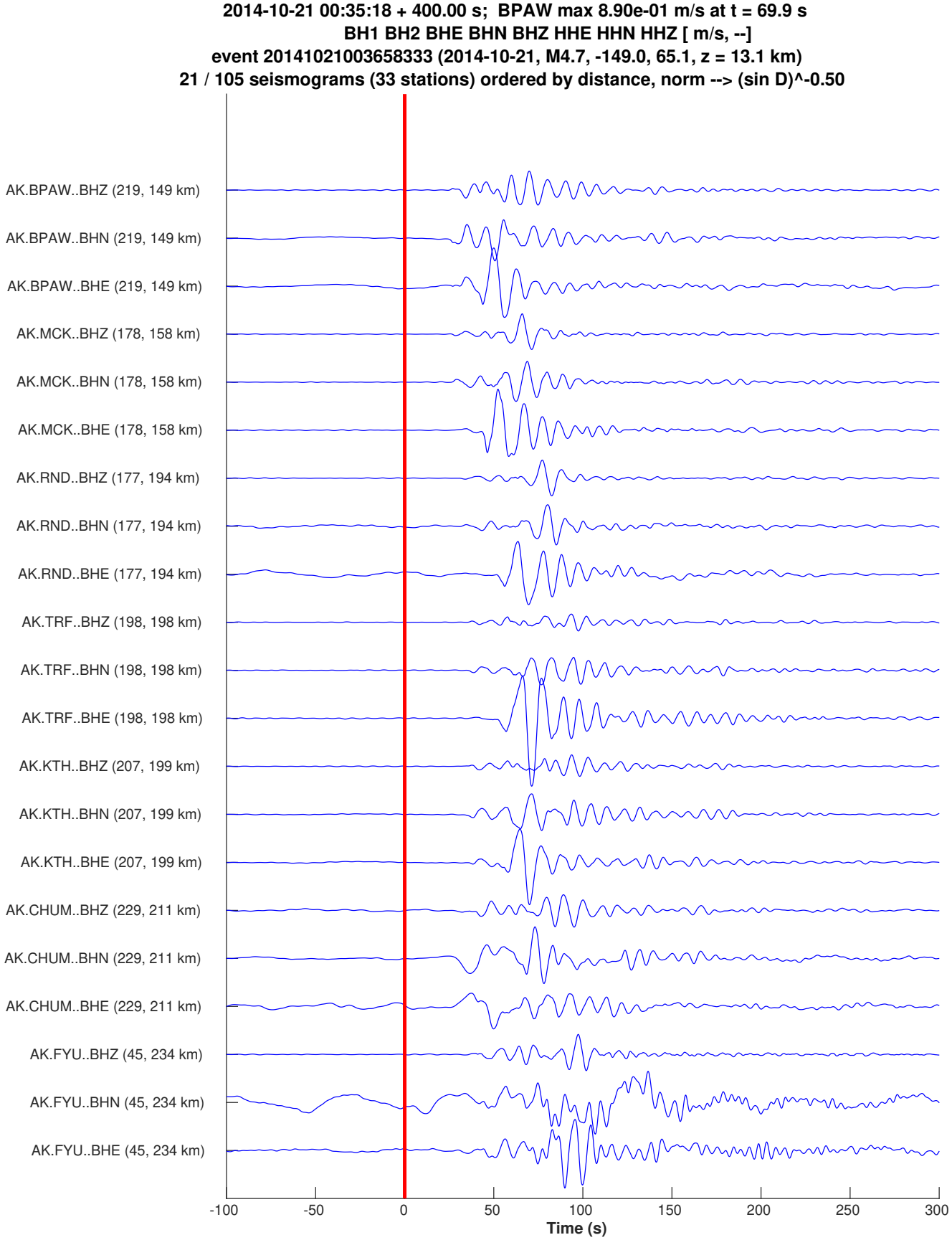



Figure G2, Part 3

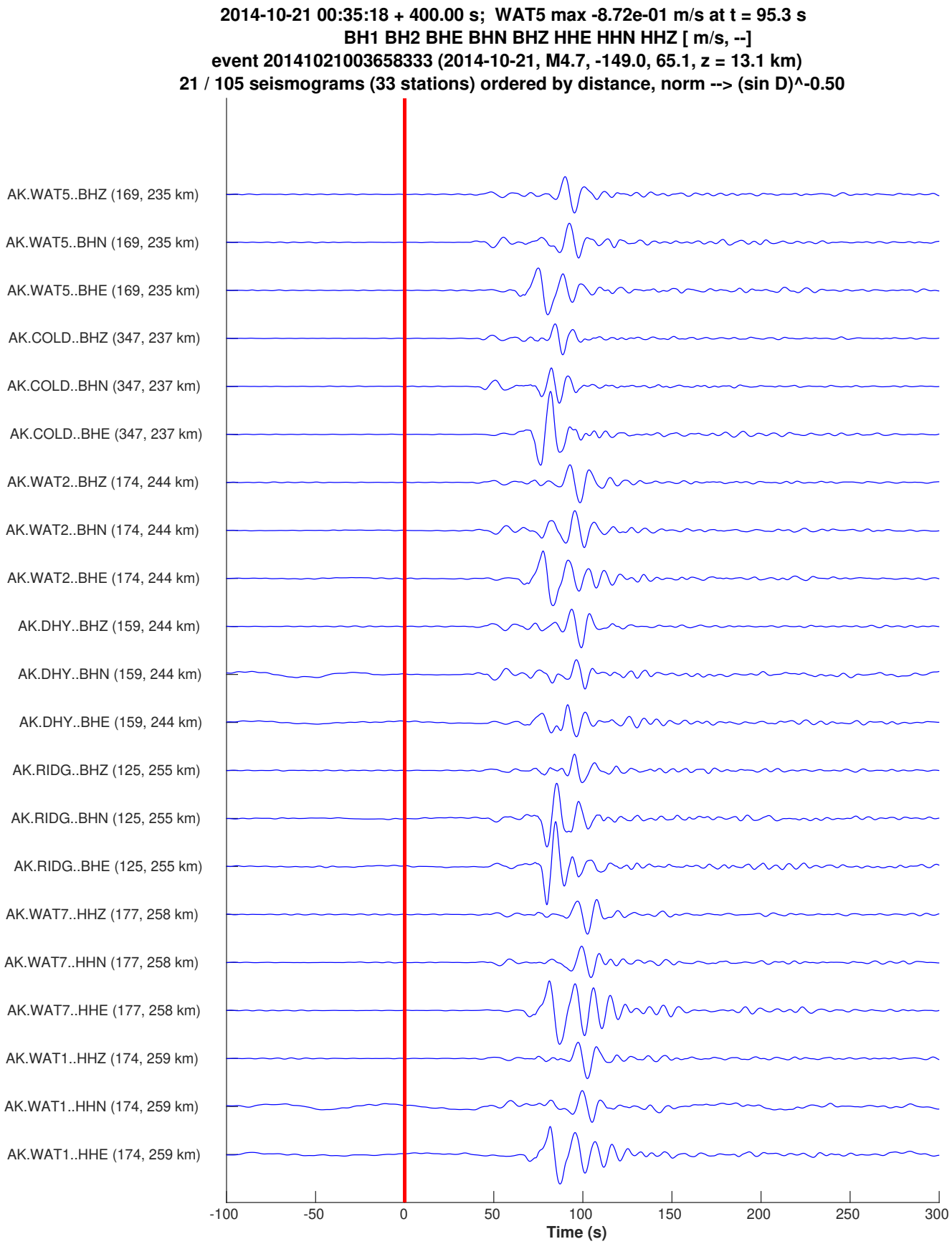



Figure G2, Part 4

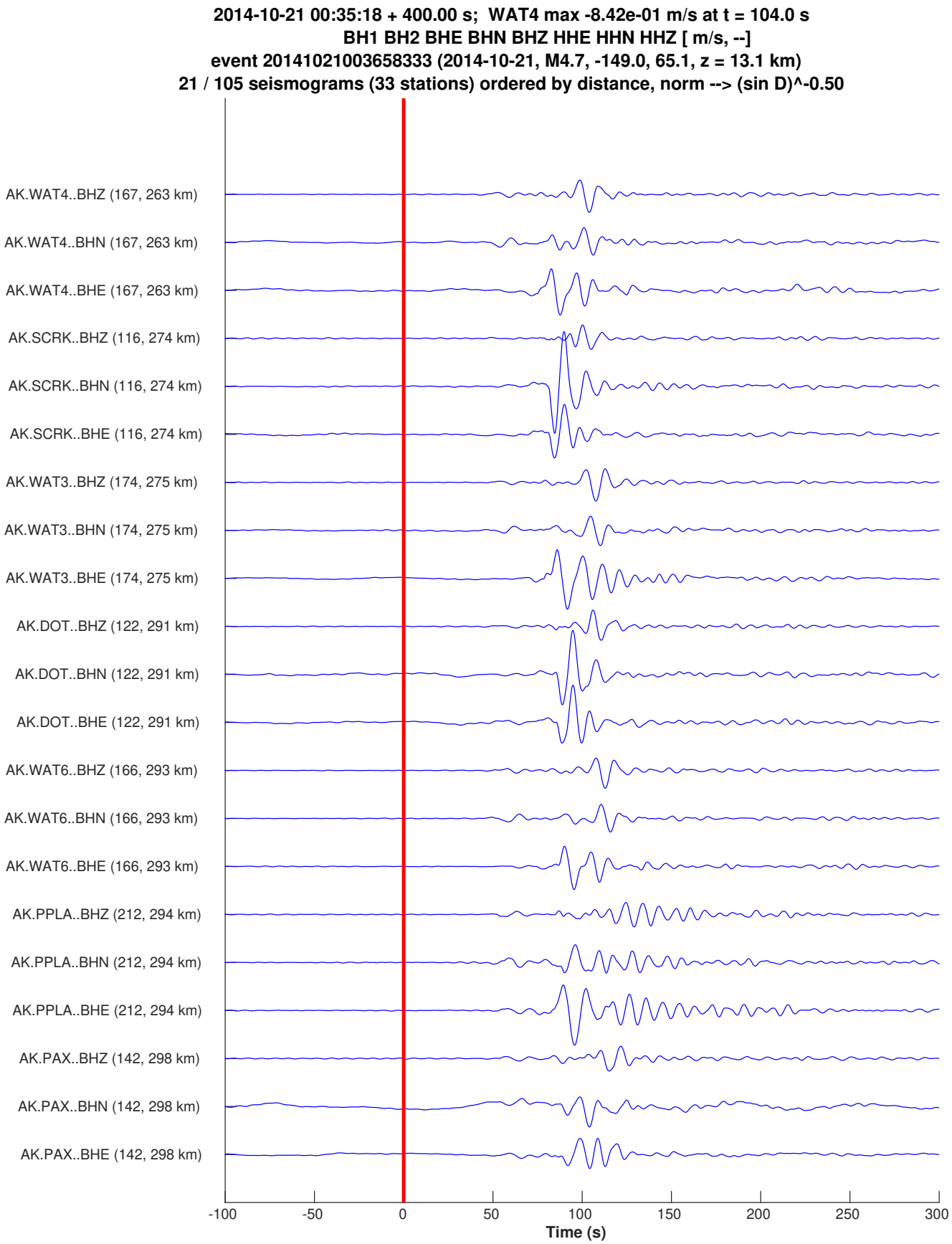



Figure G2, Part 5

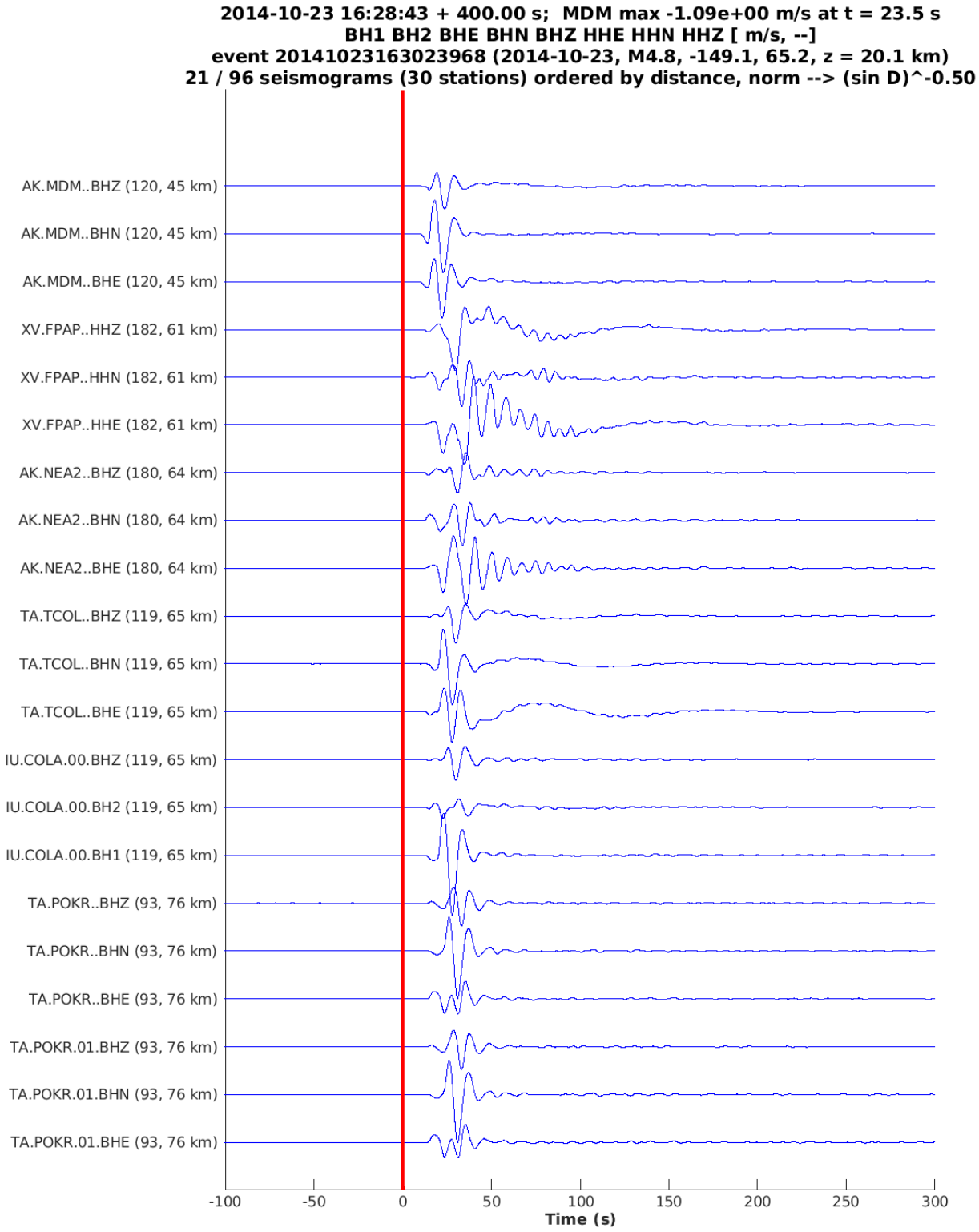



Figure G3: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G3) for the 2014-10-23 $M_w$ 4.8 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

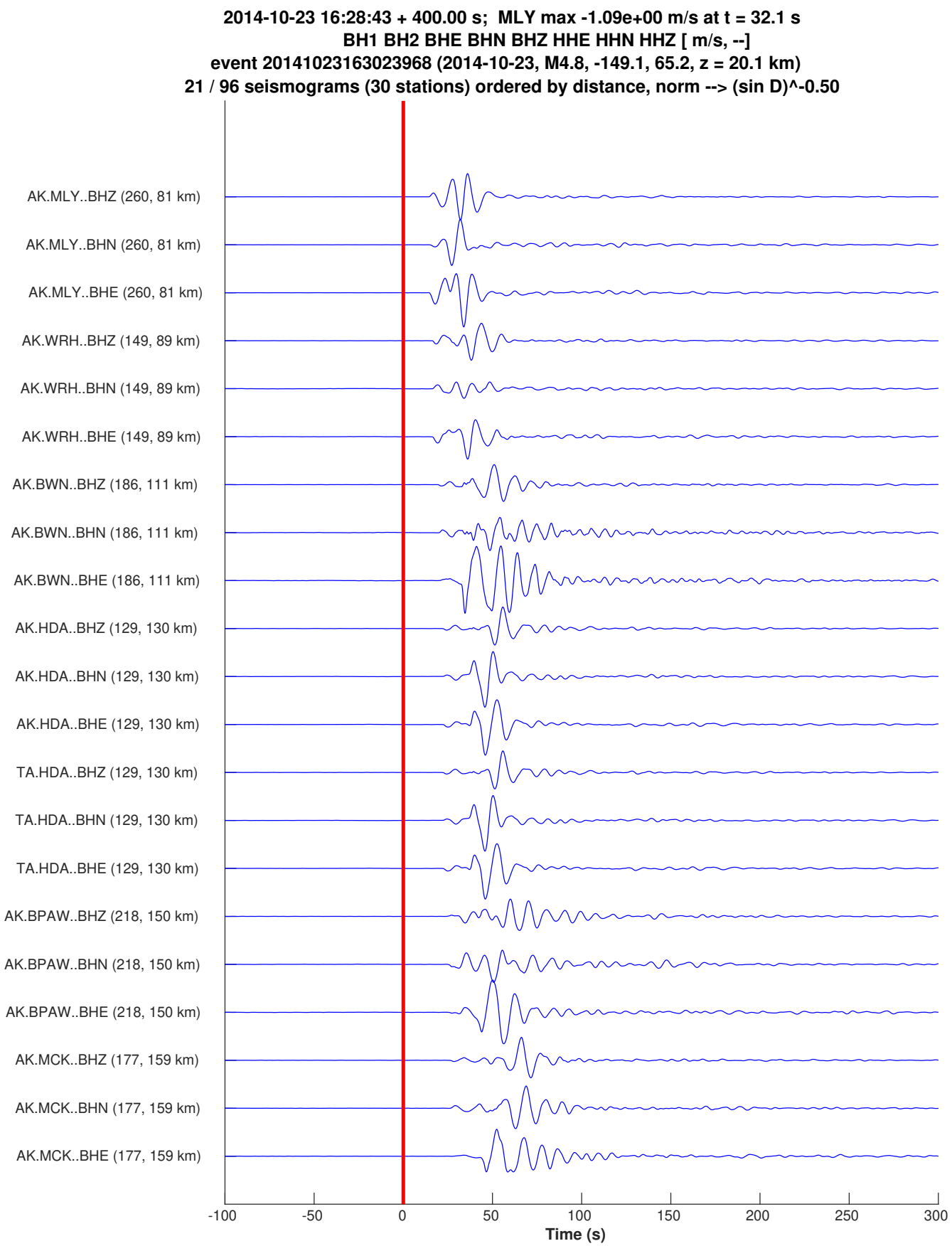



Figure G3, Part 2

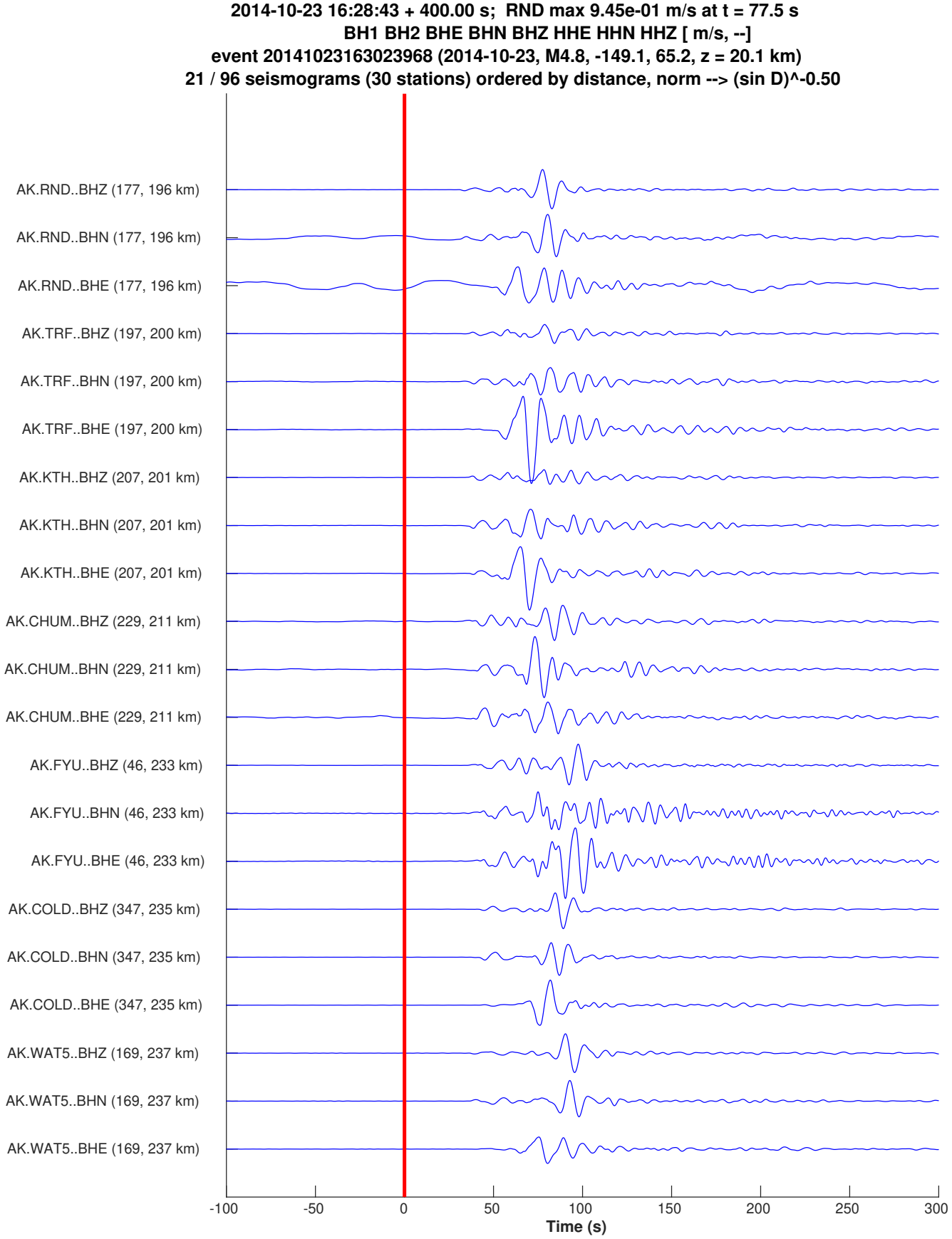



Figure G3, Part 3

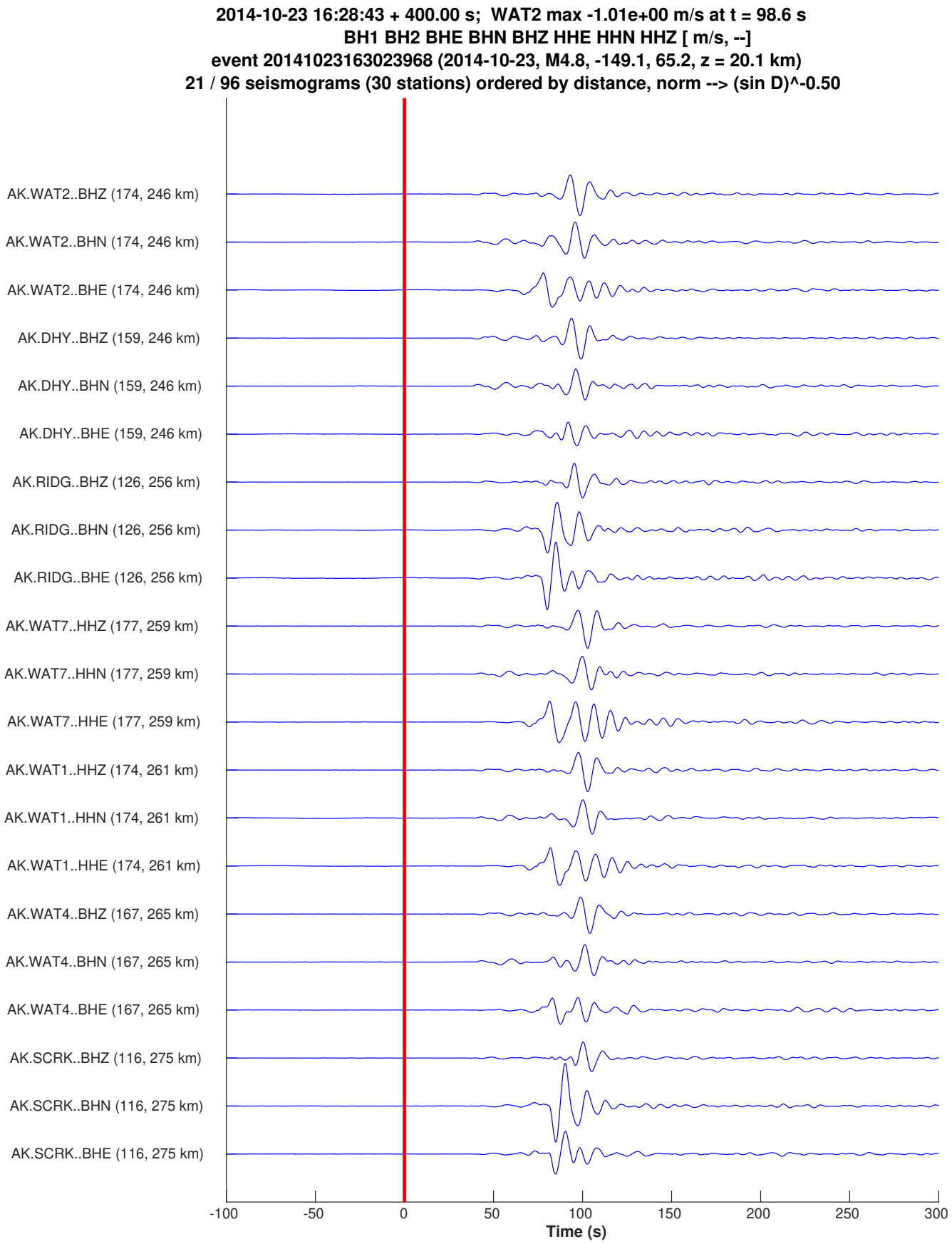



Figure G3, Part 4

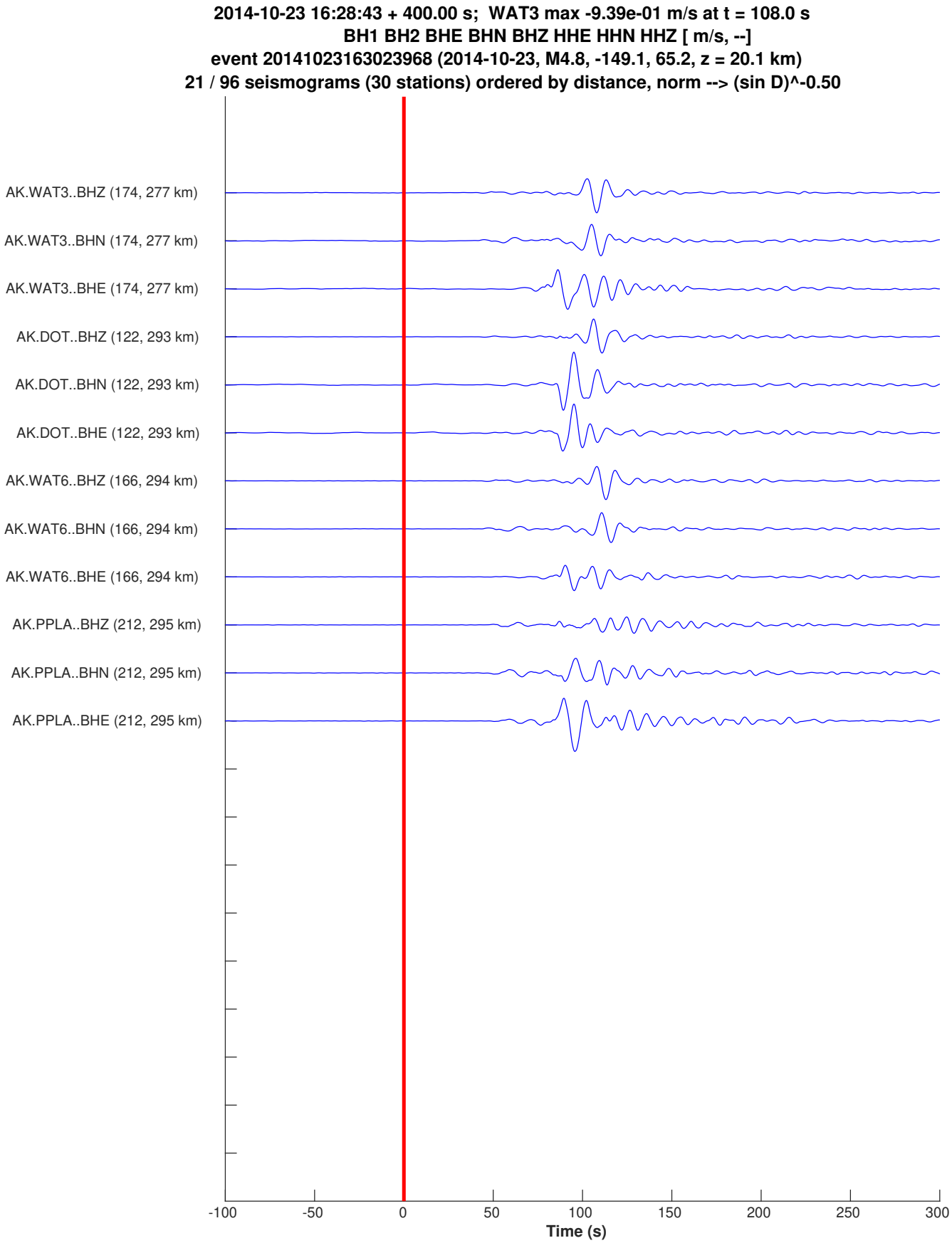



Figure G3, Part 5

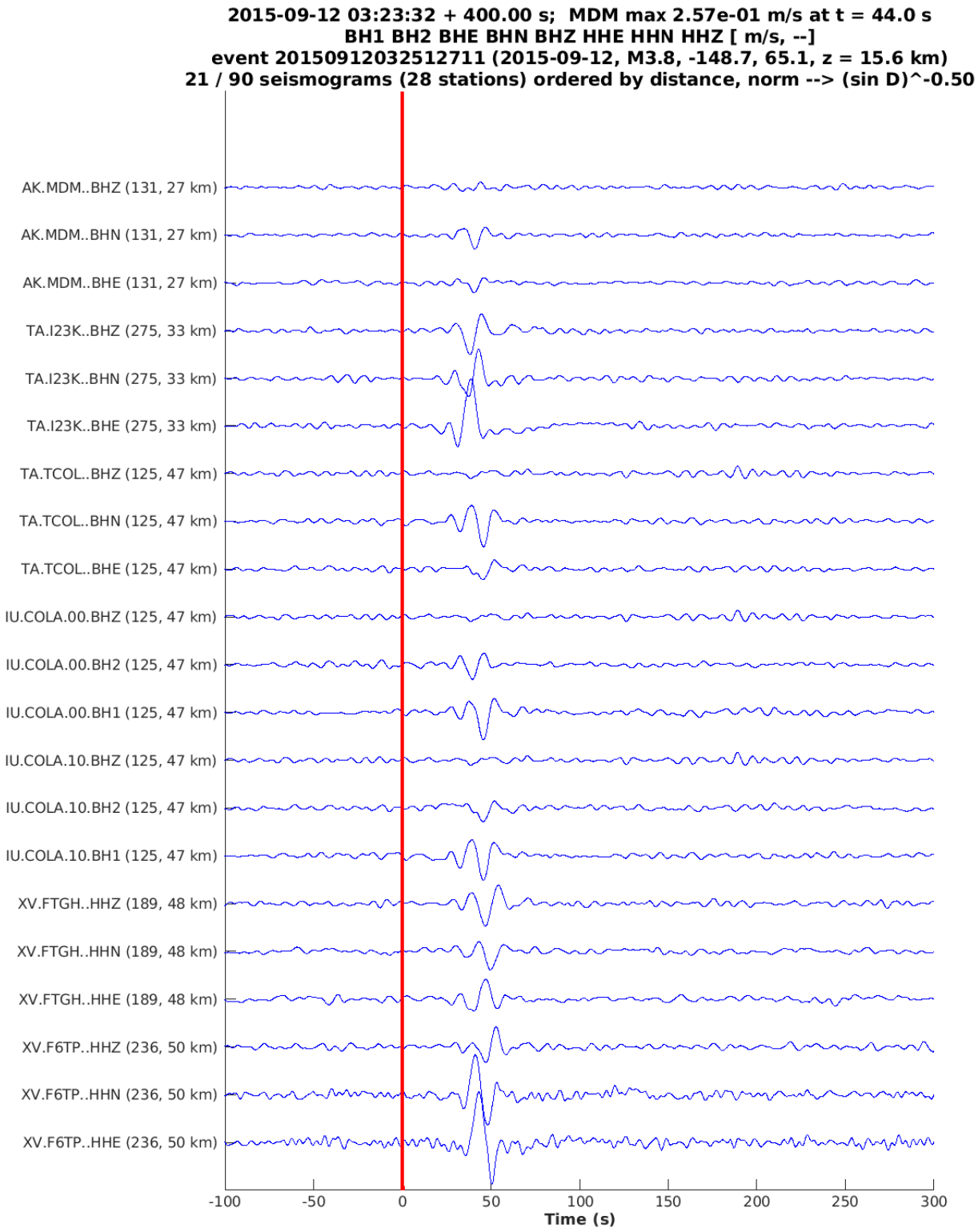



Figure G4: All stations NOT exhibiting anomalously high amplitudes (Table G4) for the 2015-09-12 $M_w$ 3.8 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

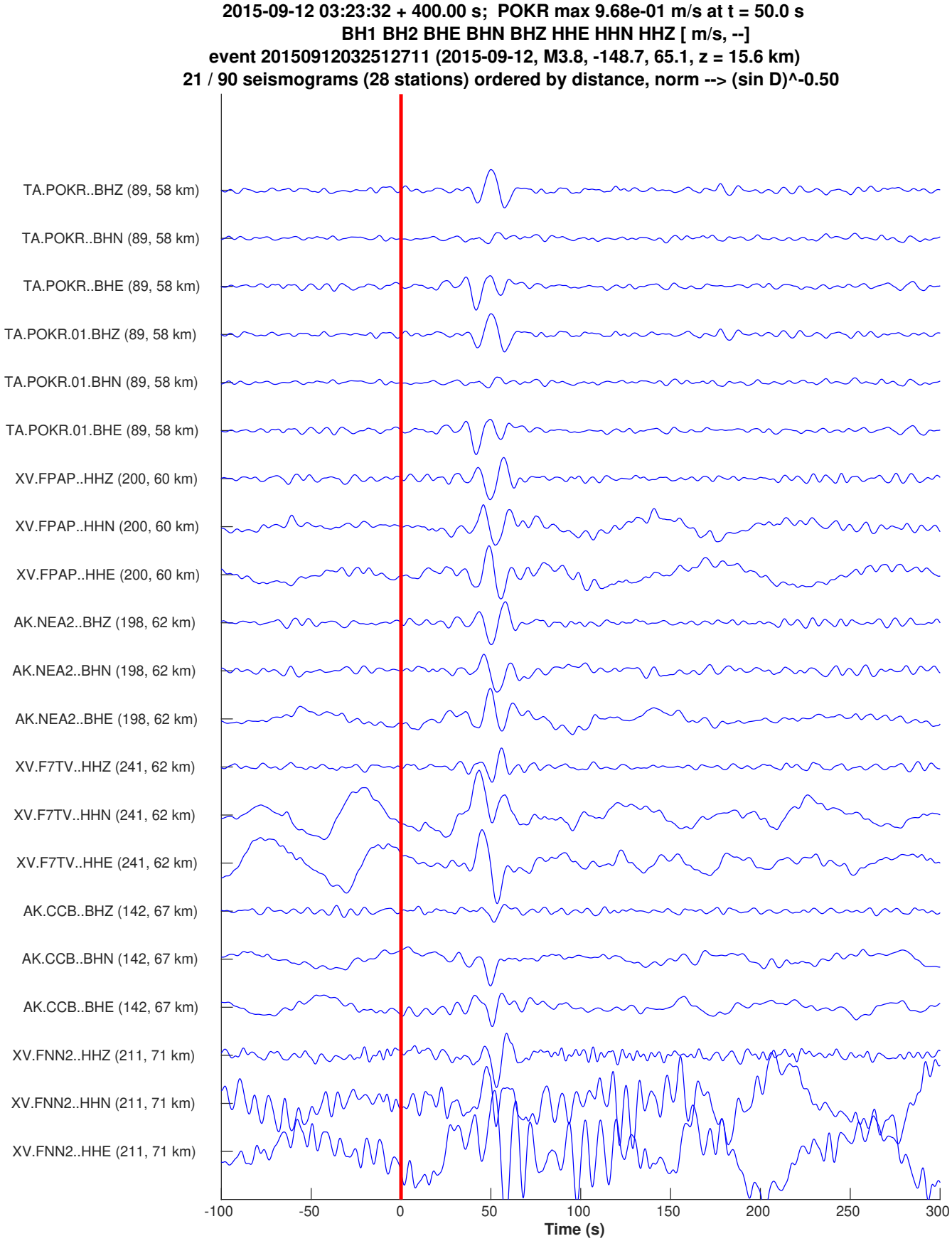



Figure G4, Part 2

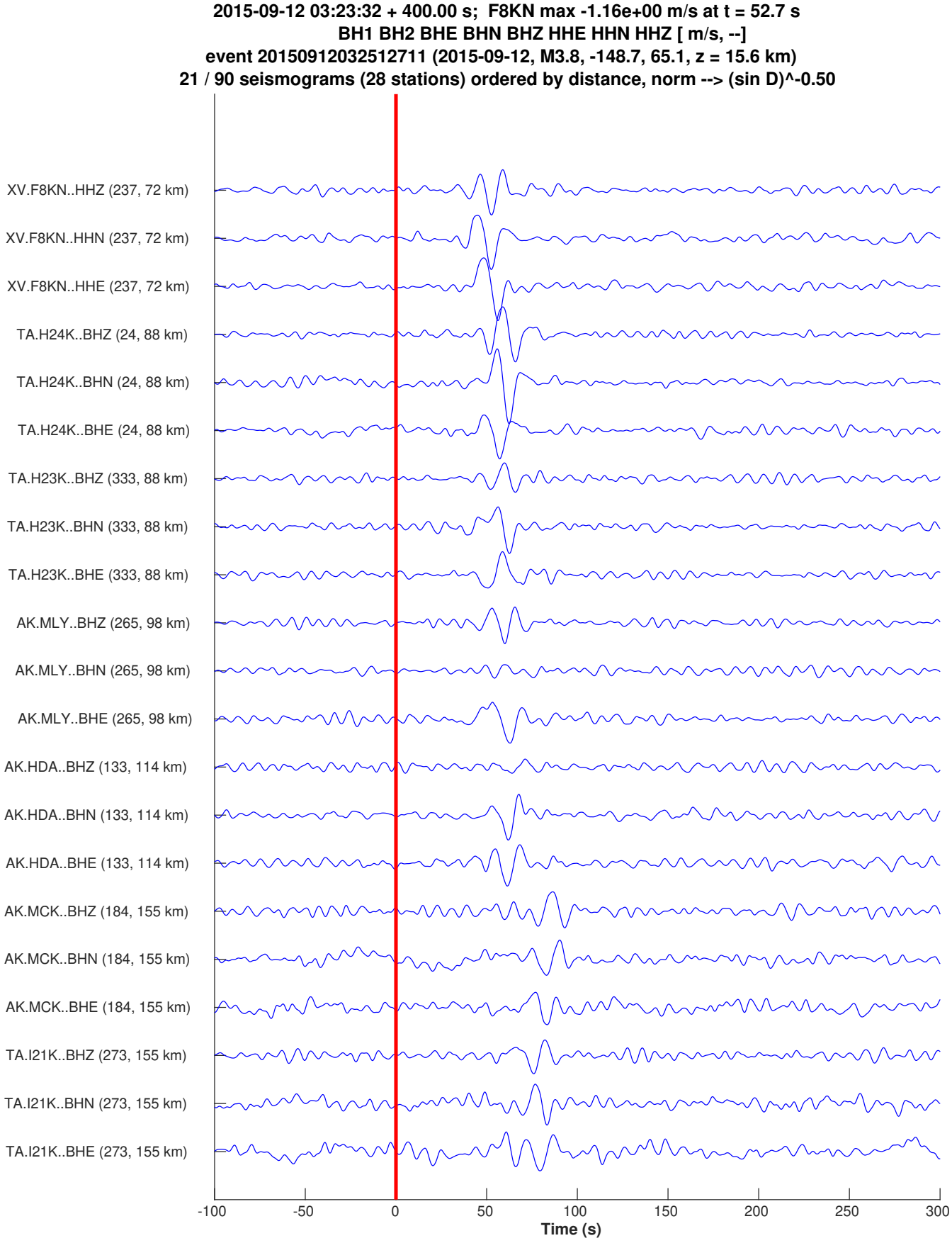



Figure G4, Part 3

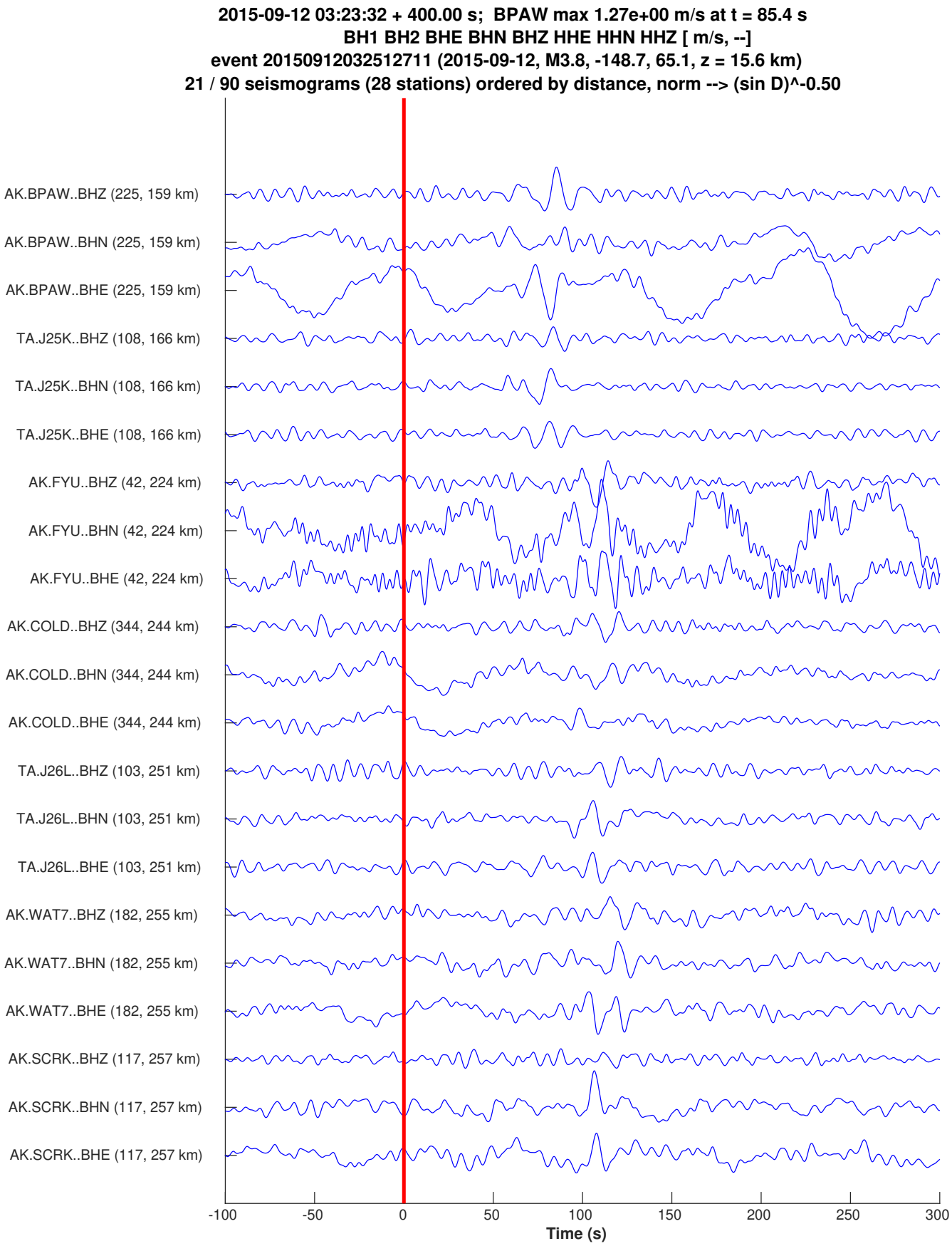



Figure G4, Part 4

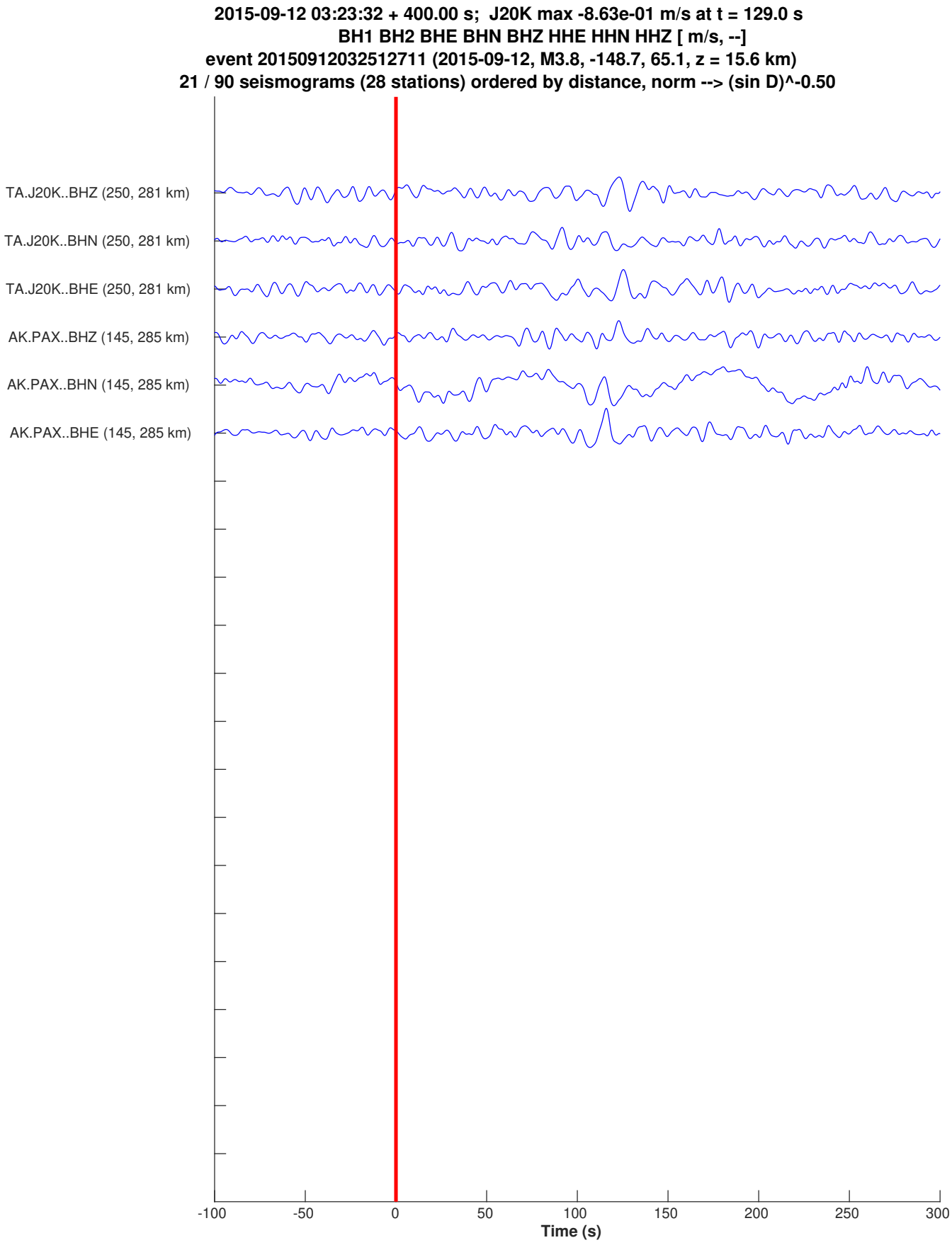



Figure G4, Part 5

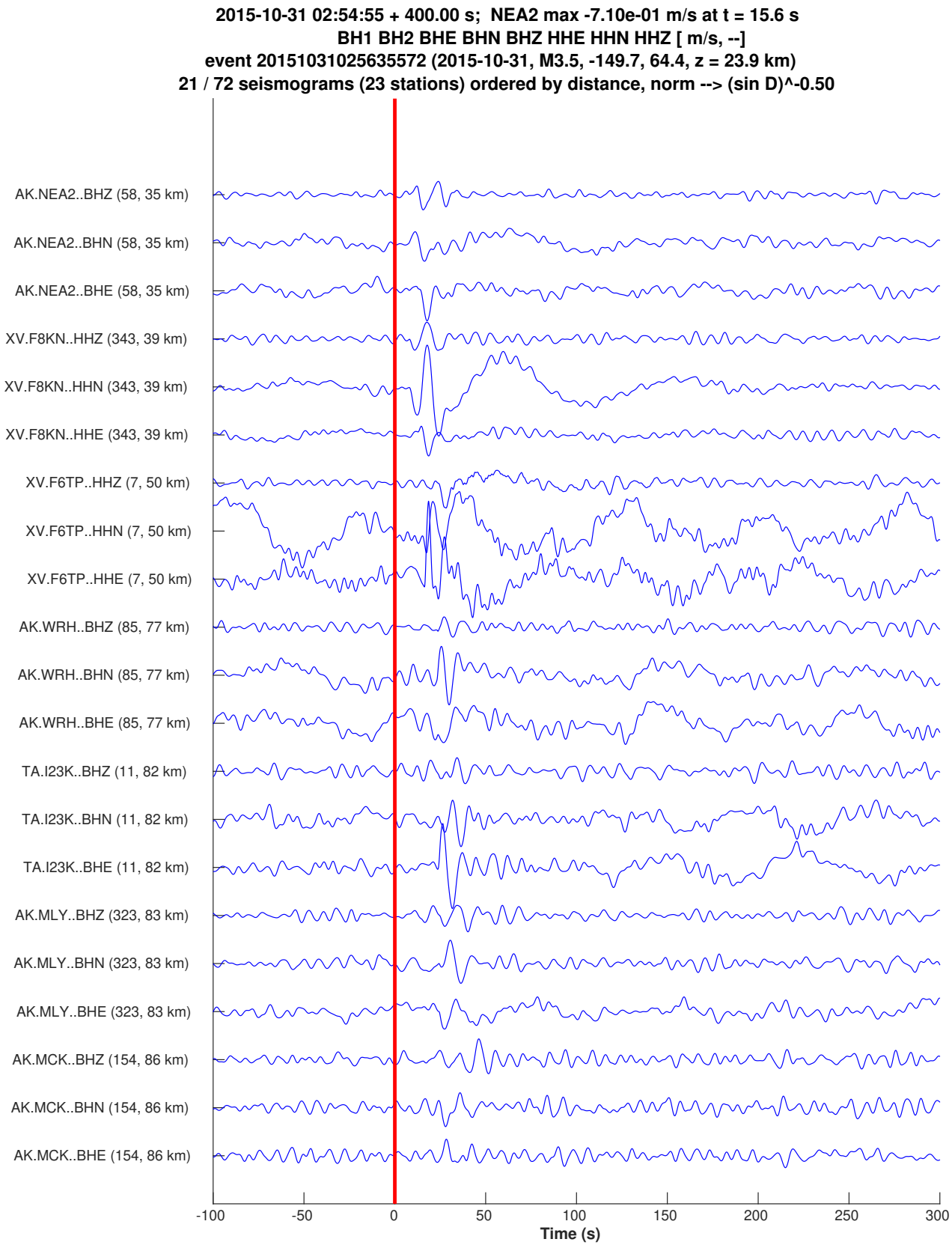



Figure G5: All stations NOT exhibiting anomalously high amplitudes (Table G5) for the 2015-10-31 $M_w$ 3.5 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

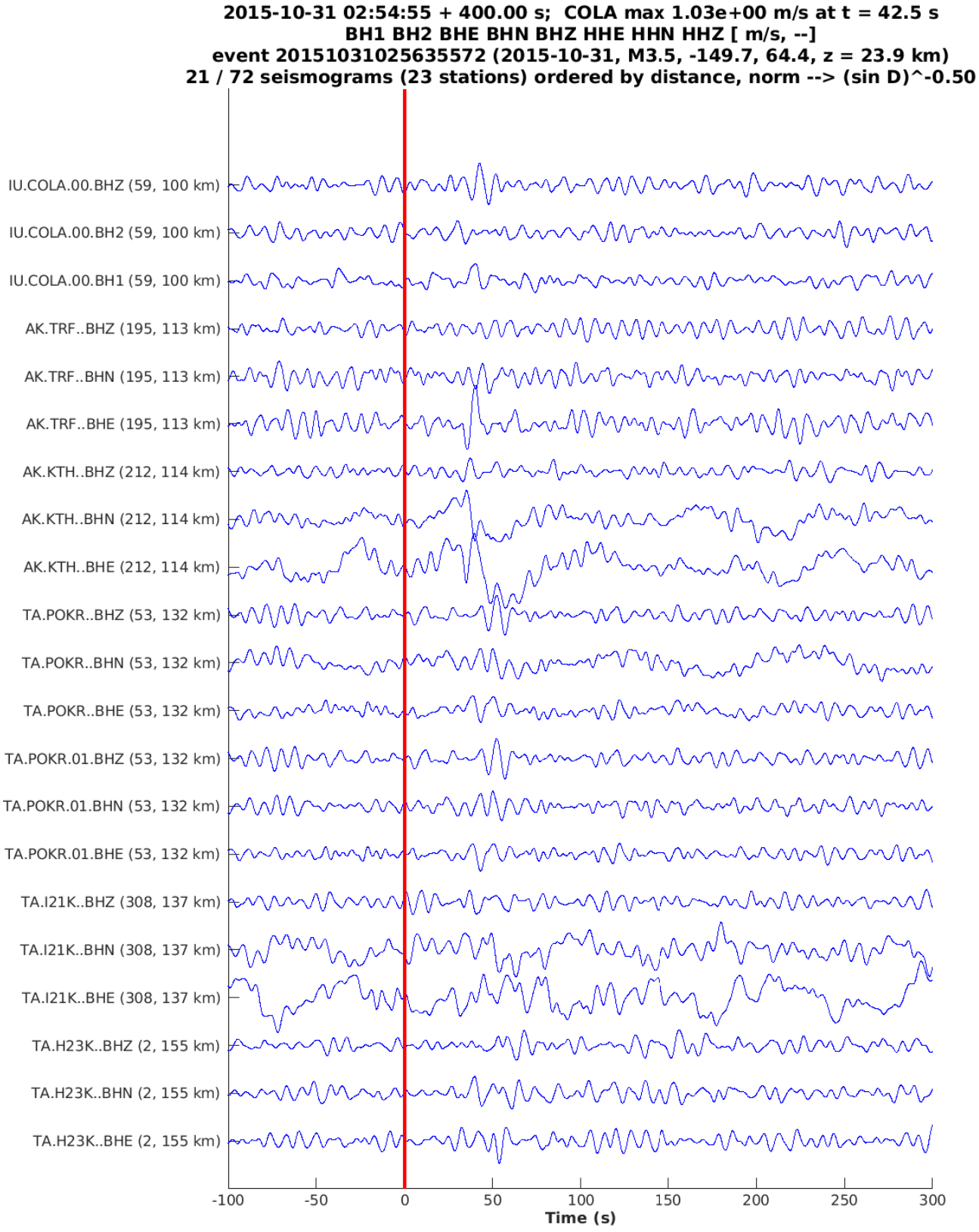
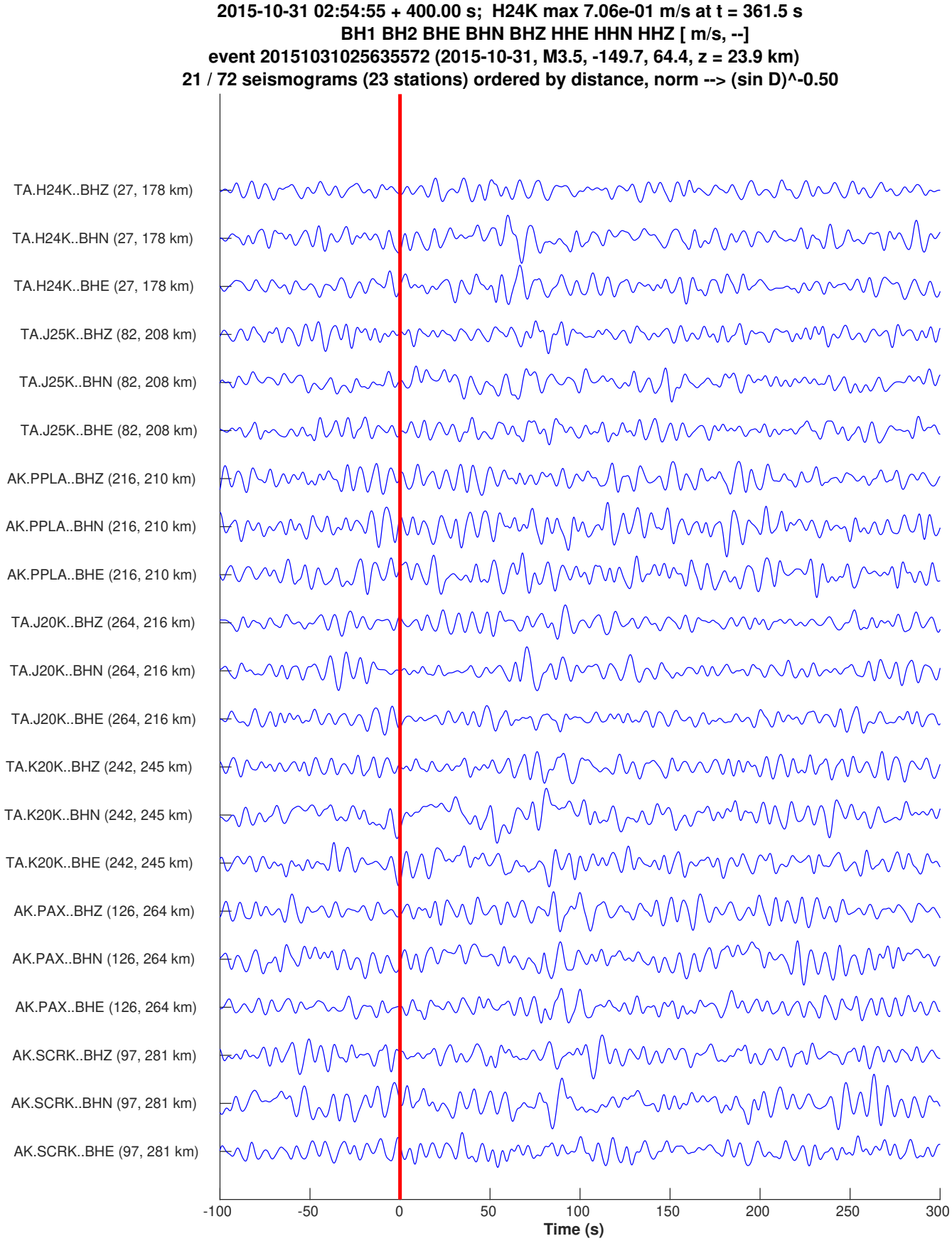



Figure G5, Part 2

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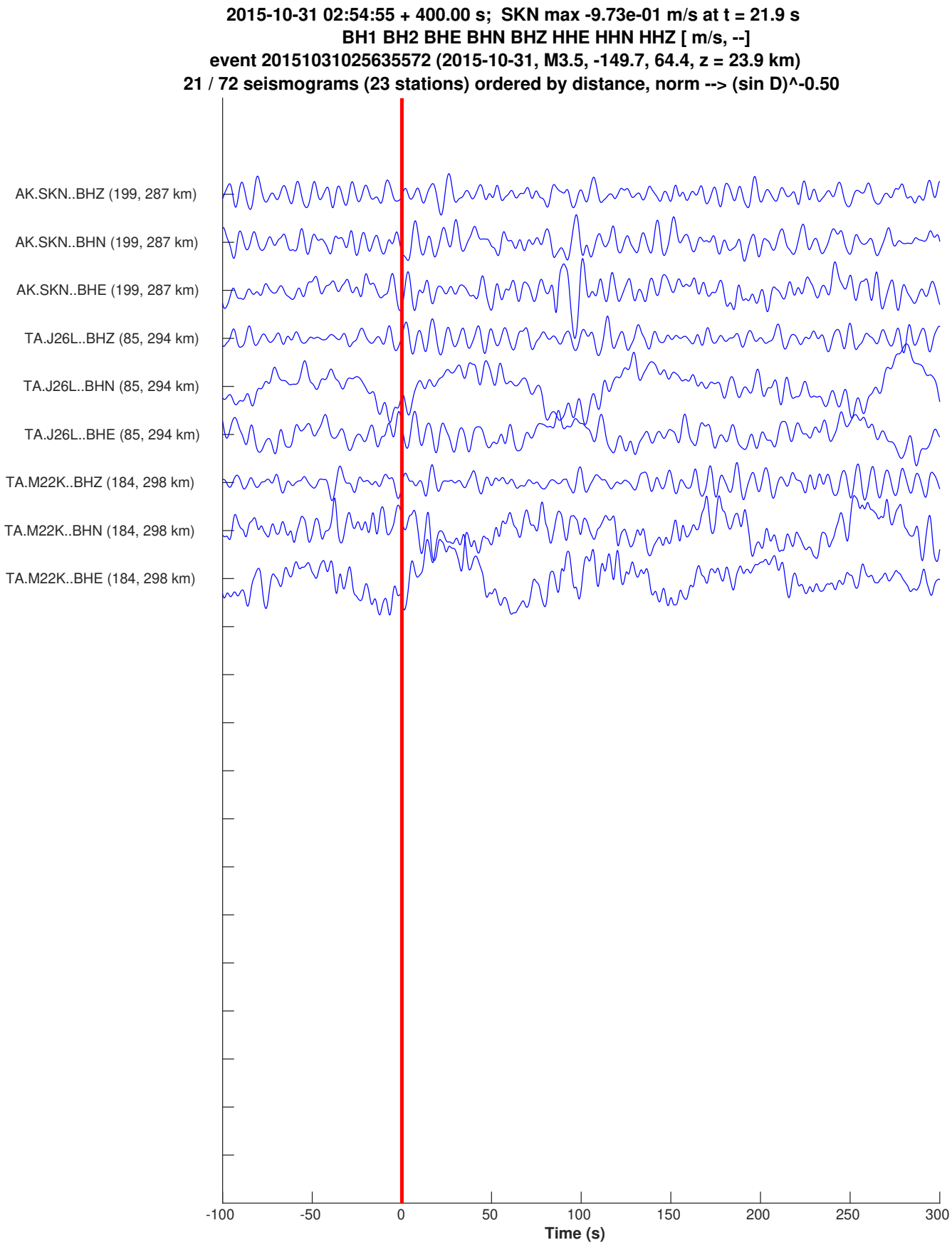



Figure G5, Part 4

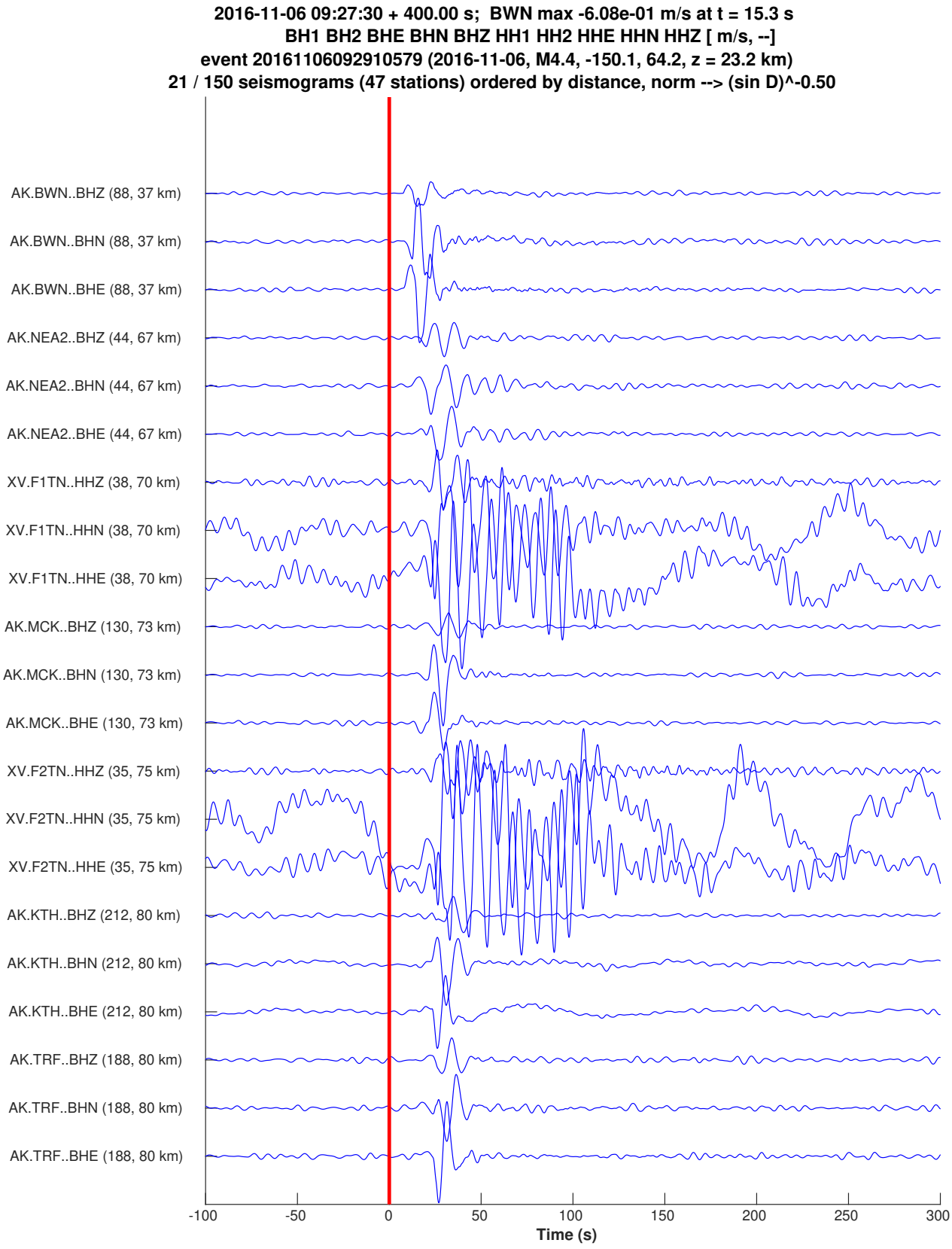



Figure G6: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G6) for the 2016-11-06 $M_w$ 4.0 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

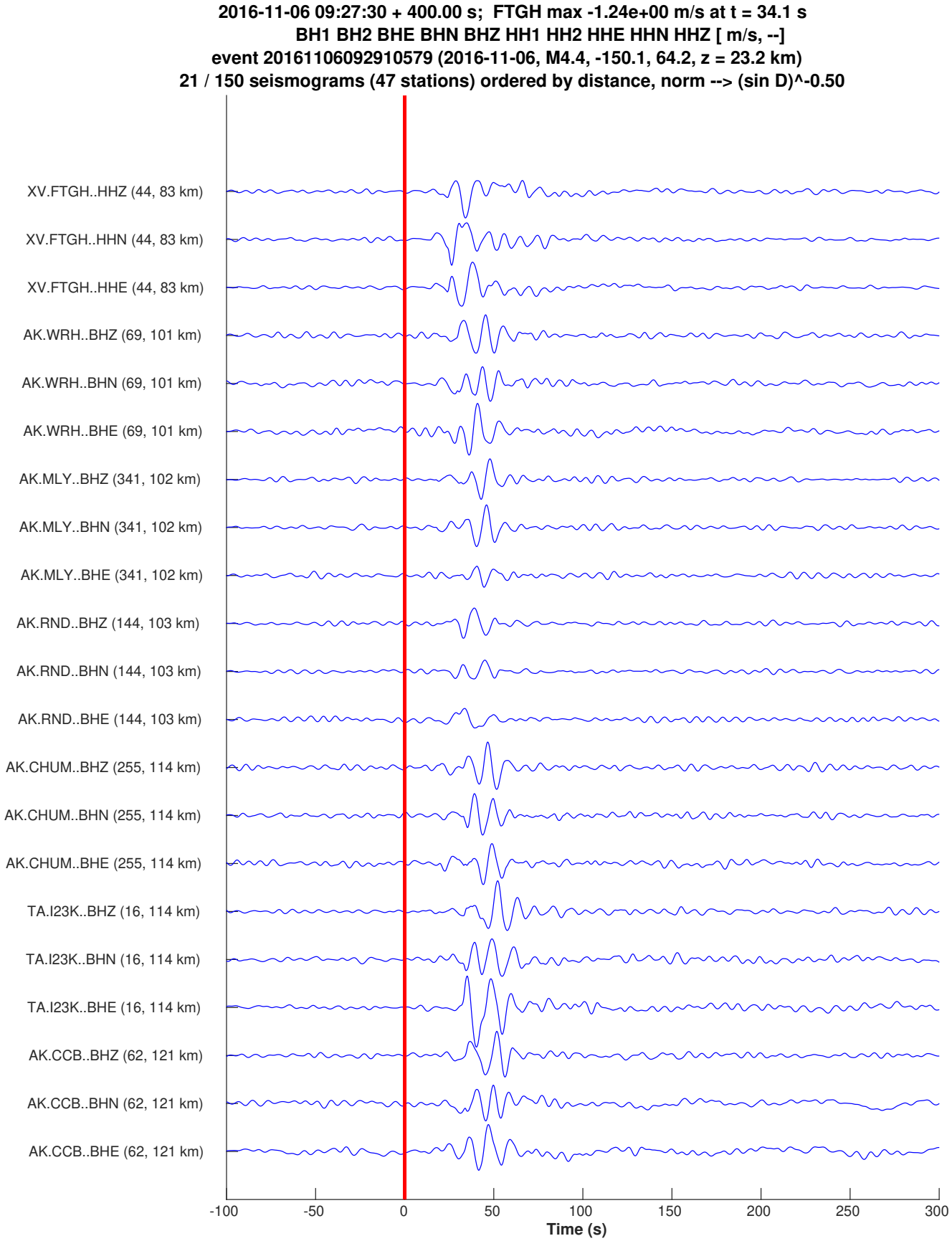



Figure G6, Part 2

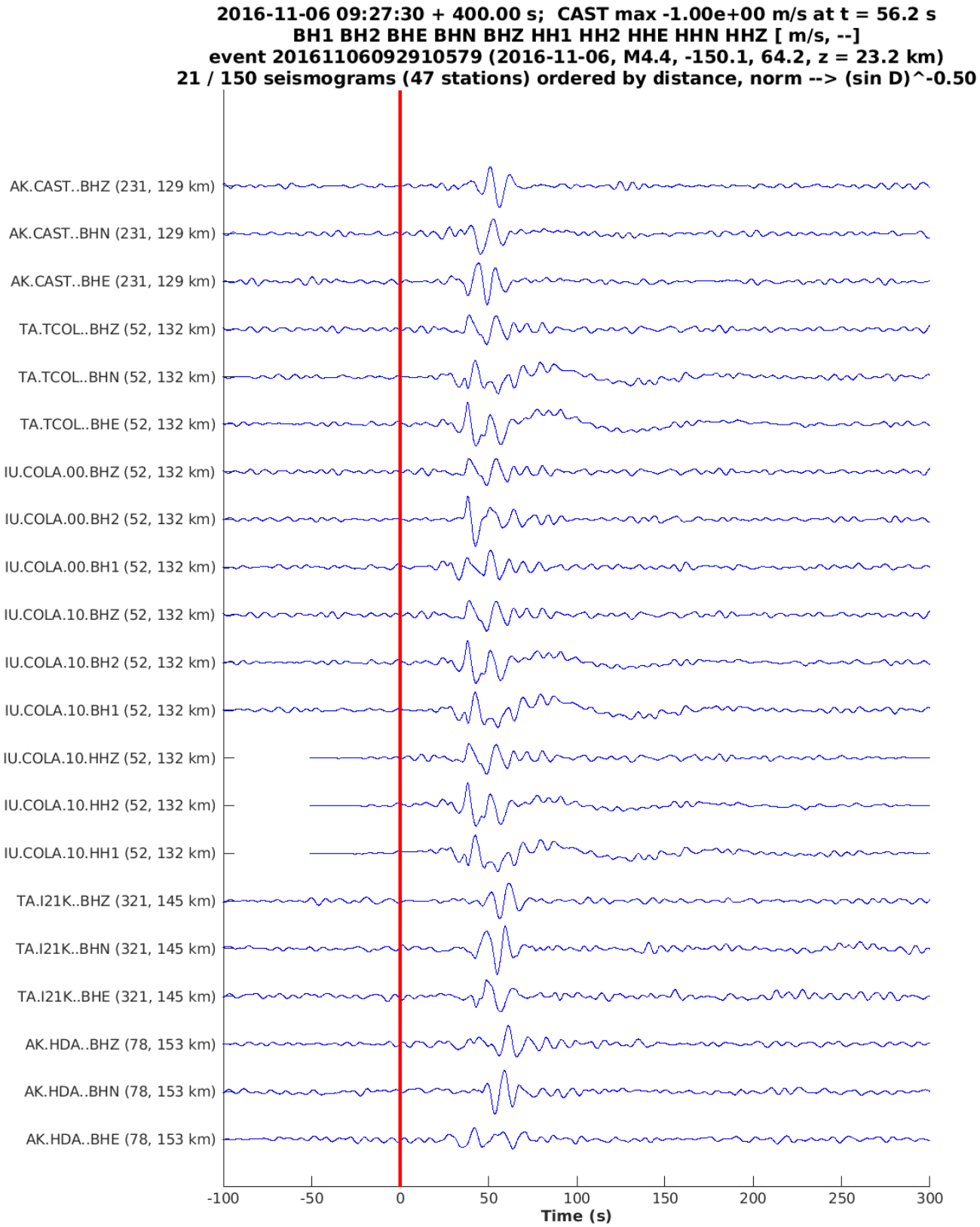
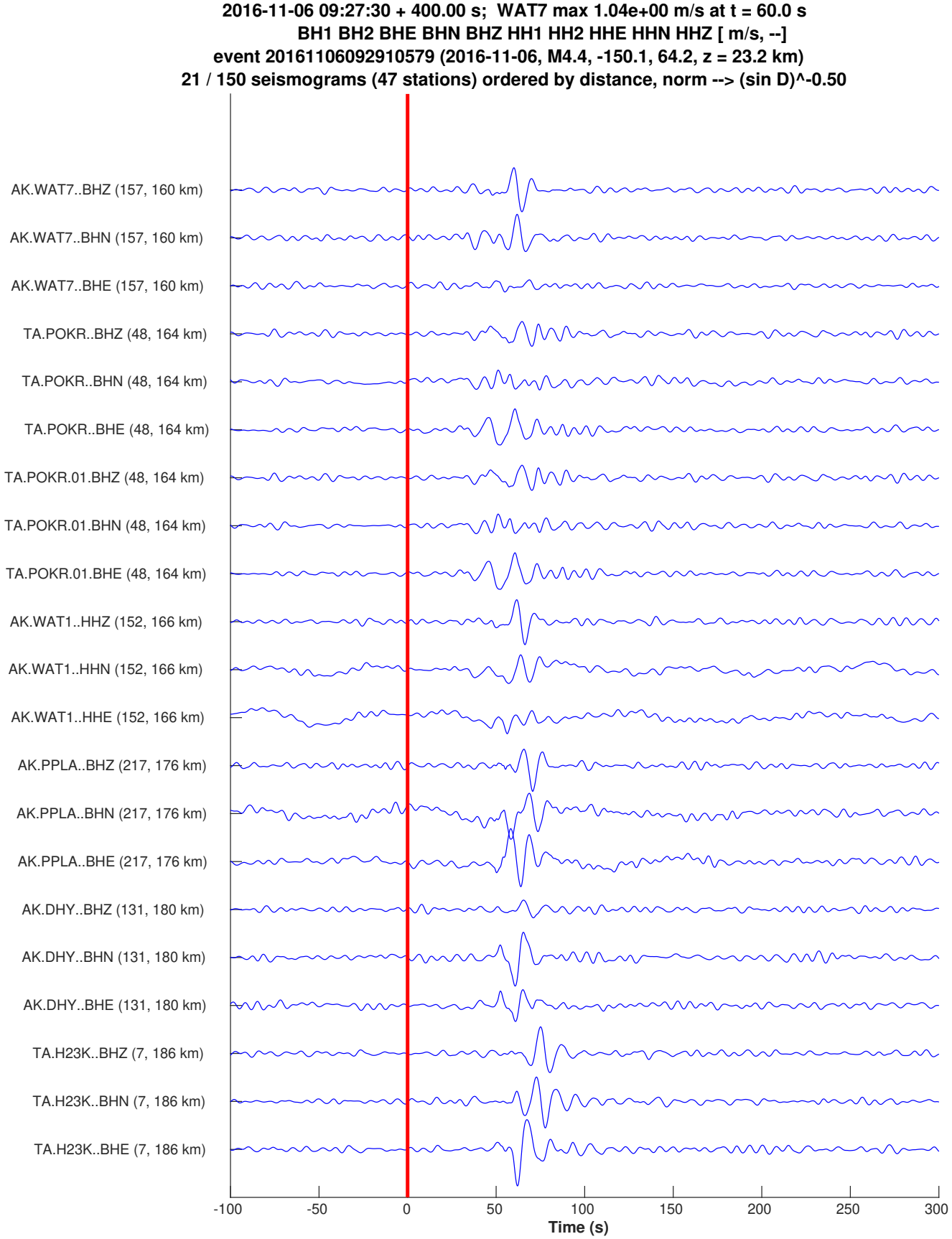



Figure G6, Part 3

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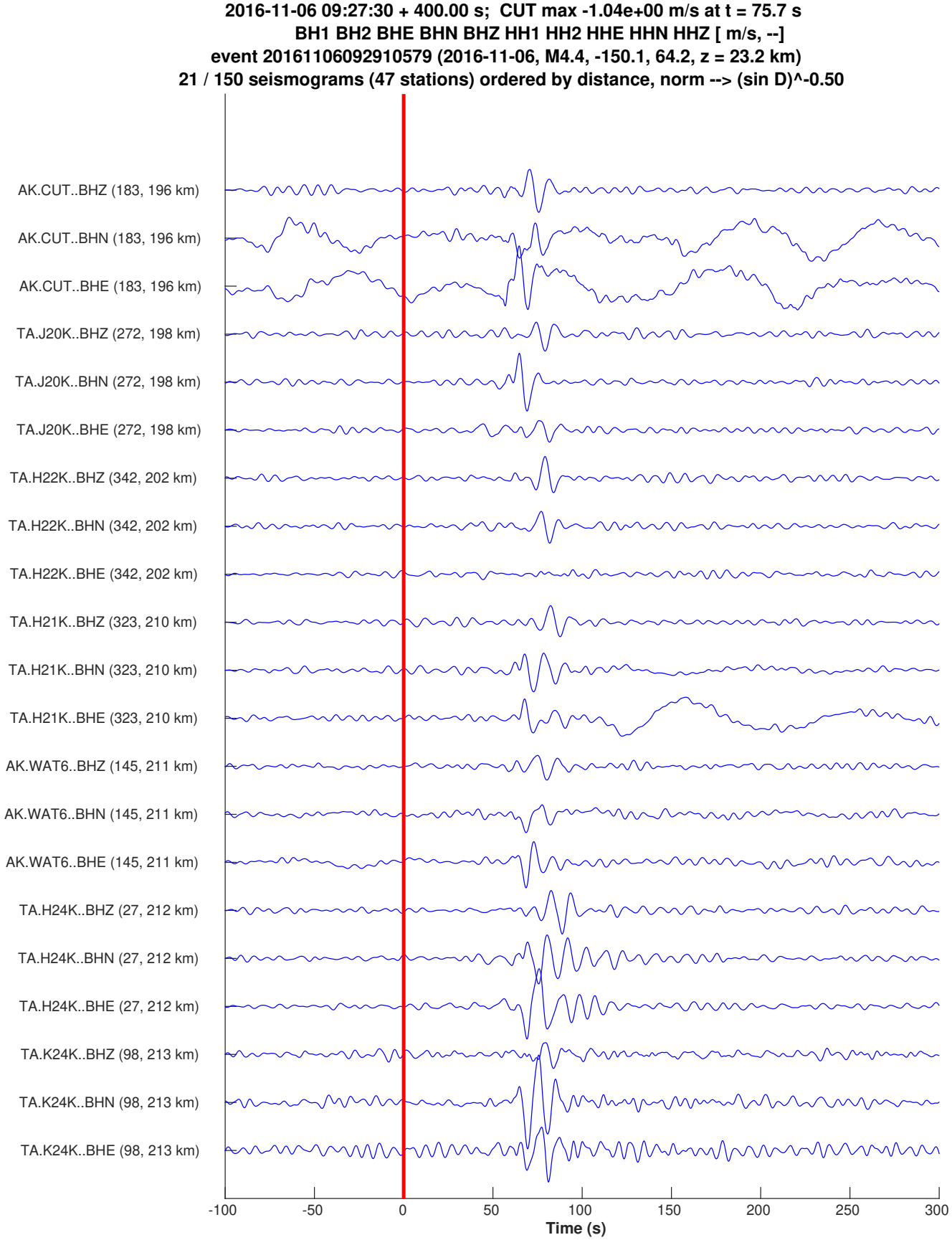


Figure G6, Part 5

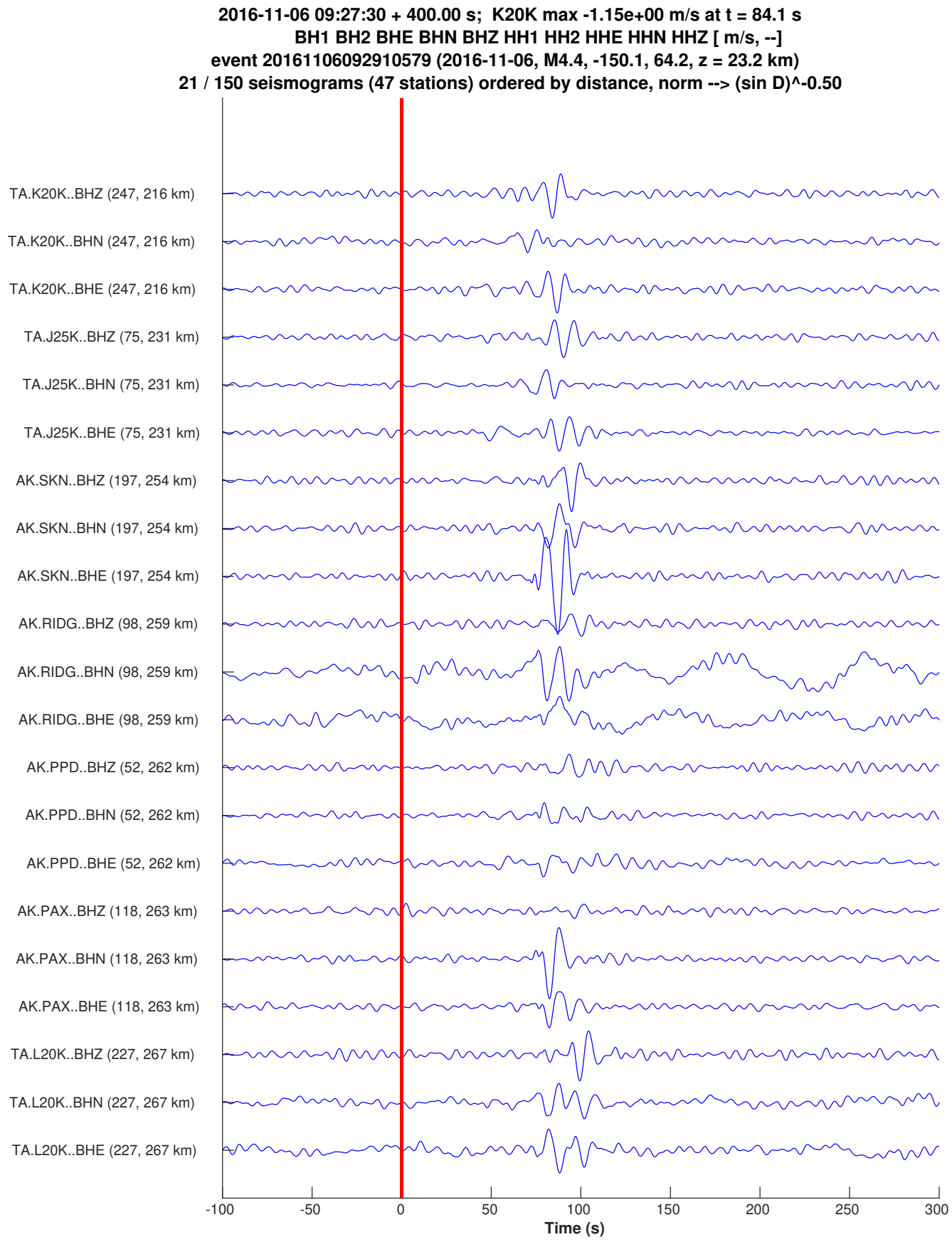


Figure G6, Part 6

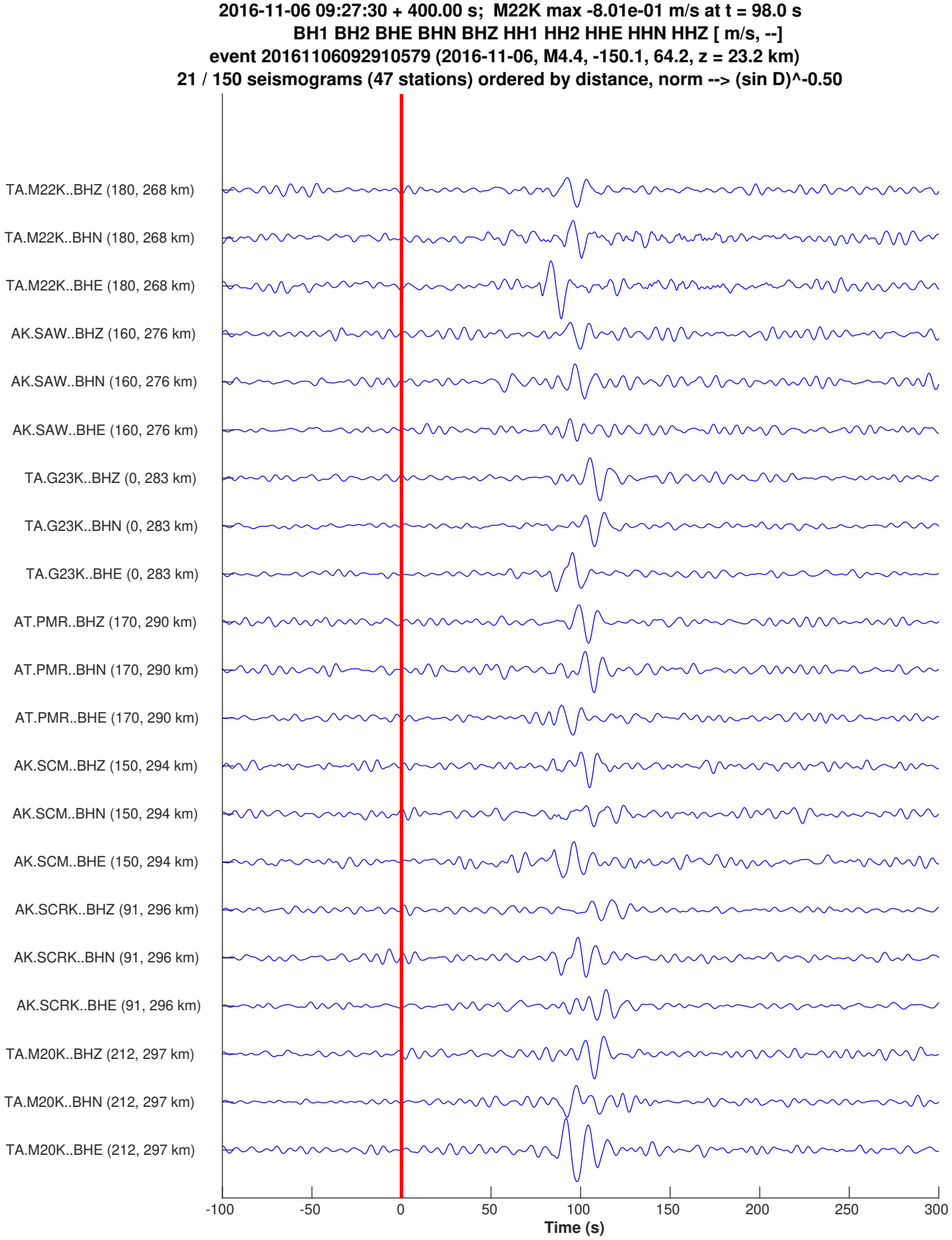


Figure G6, Part 7

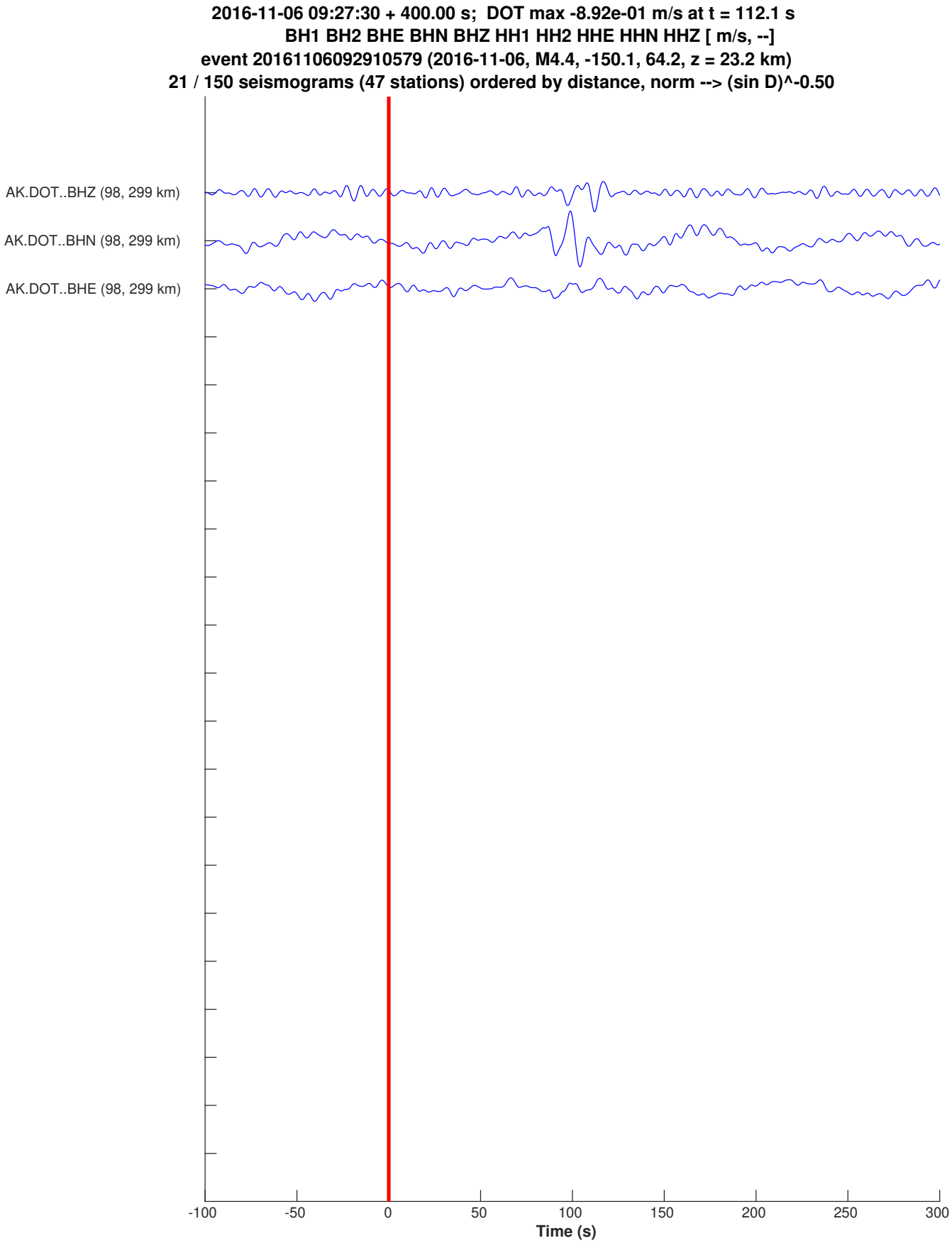


Figure G6, Part 8

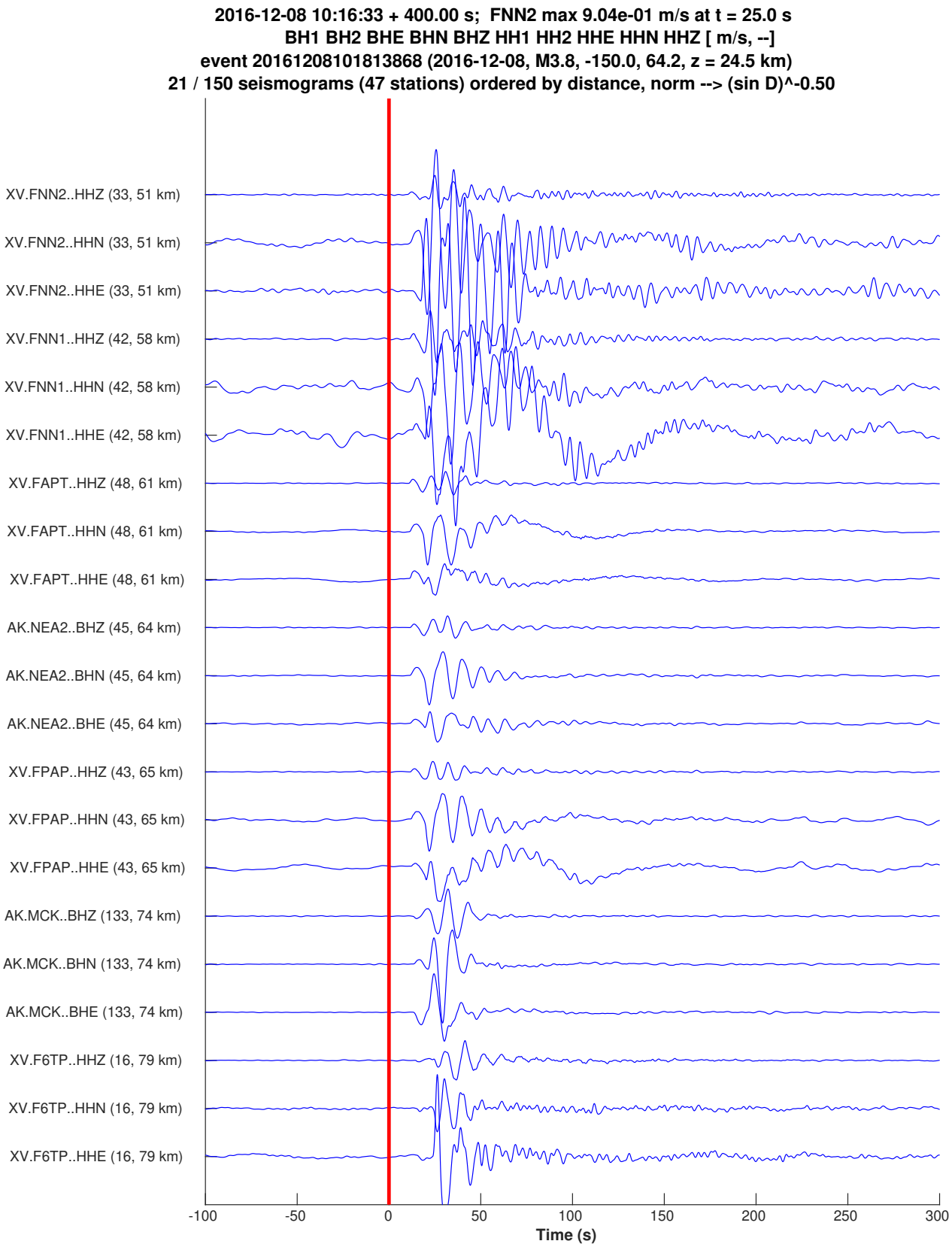


Figure G7: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G7) for the 2016-12-08 $M_{\mathrm{w}}$ 4.4 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

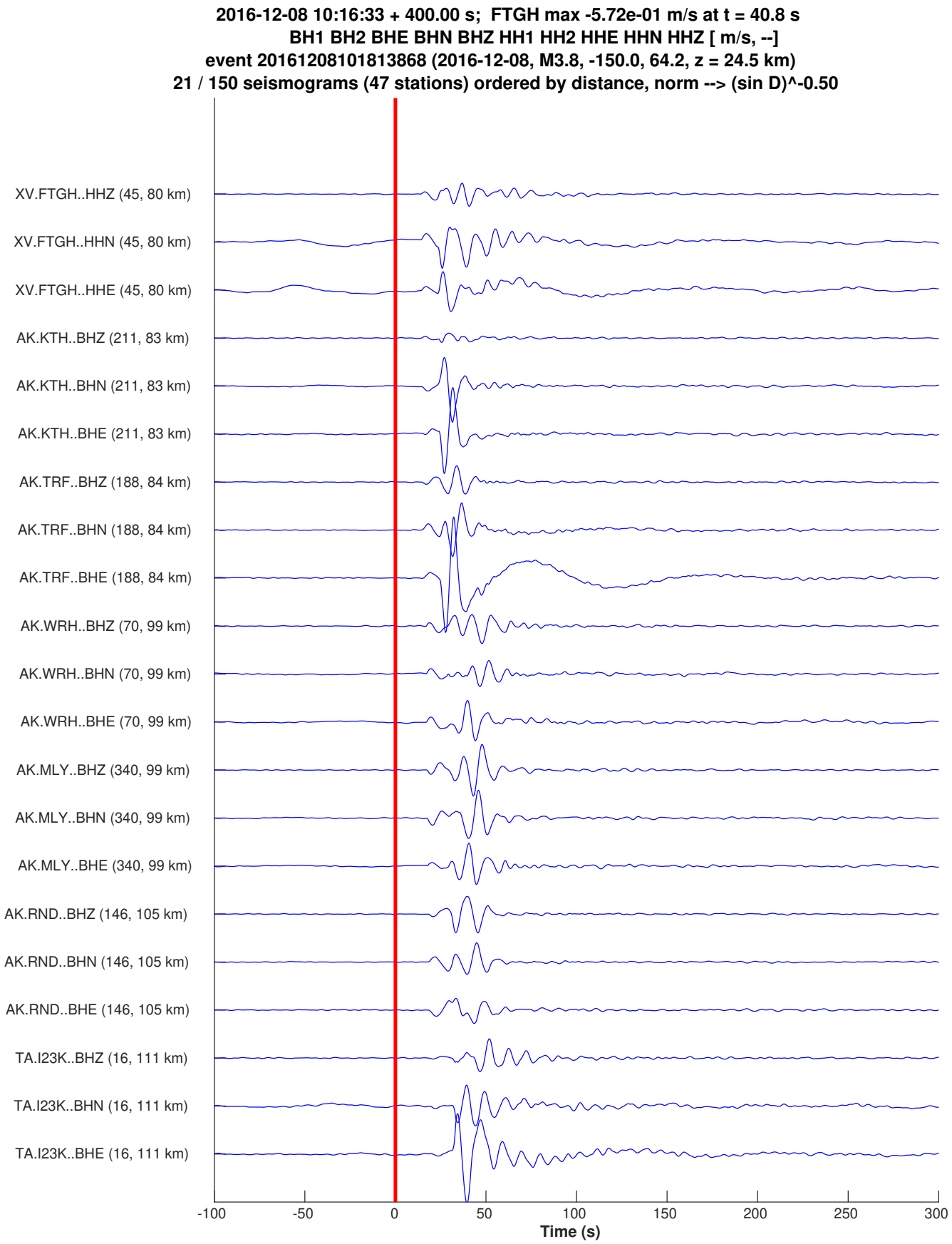


Figure G7, Part 2

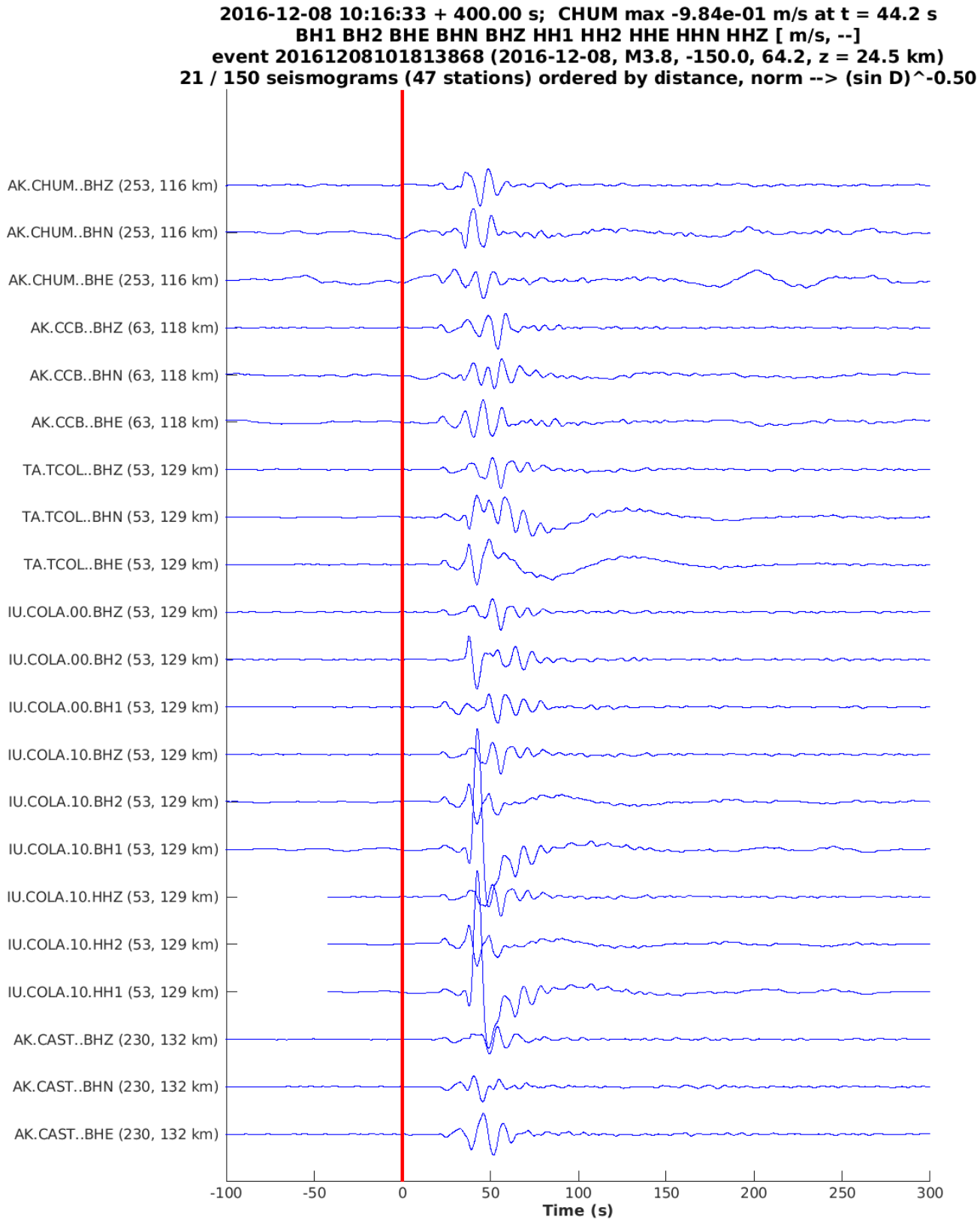


Figure G7, Part 3

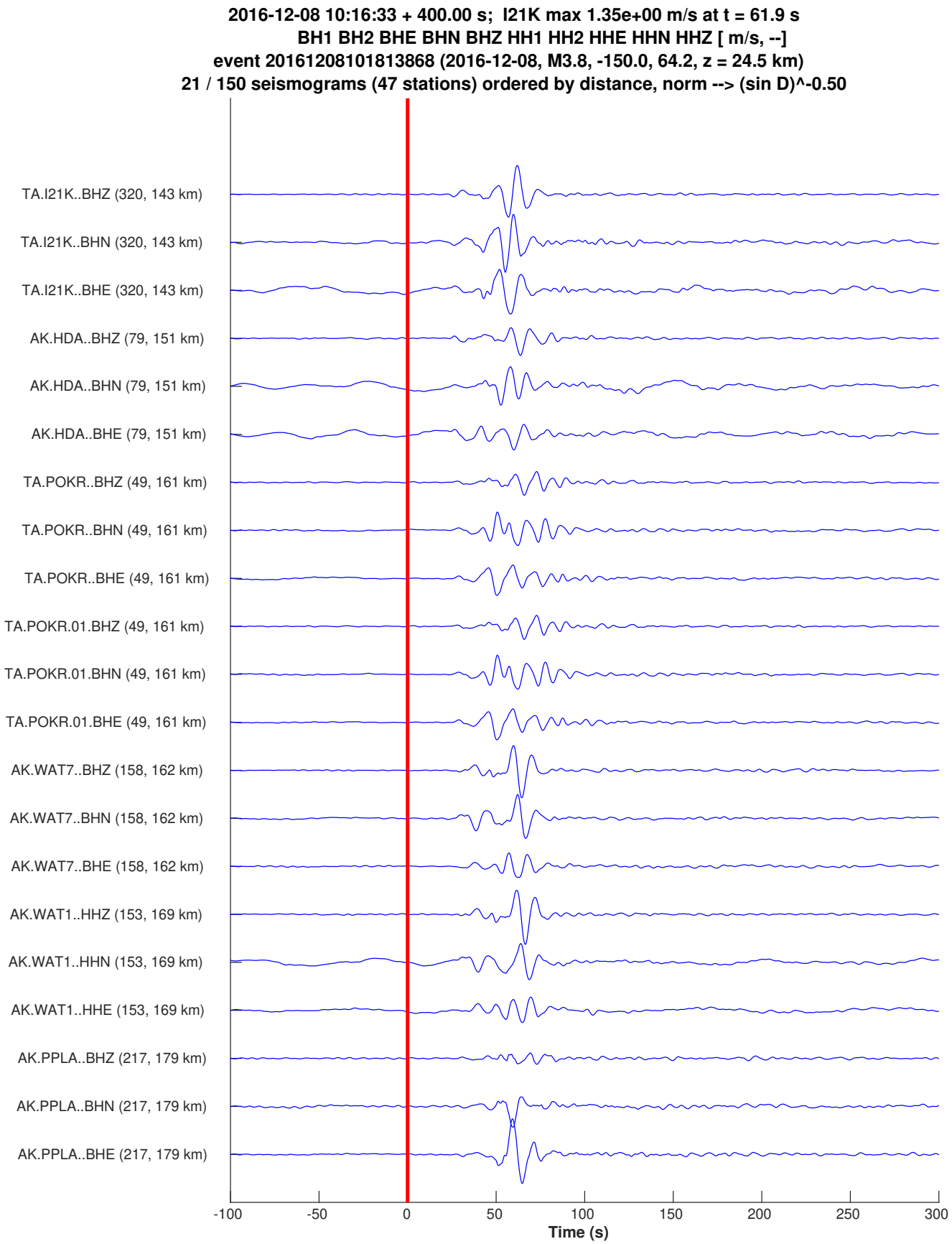


Figure G7, Part 4

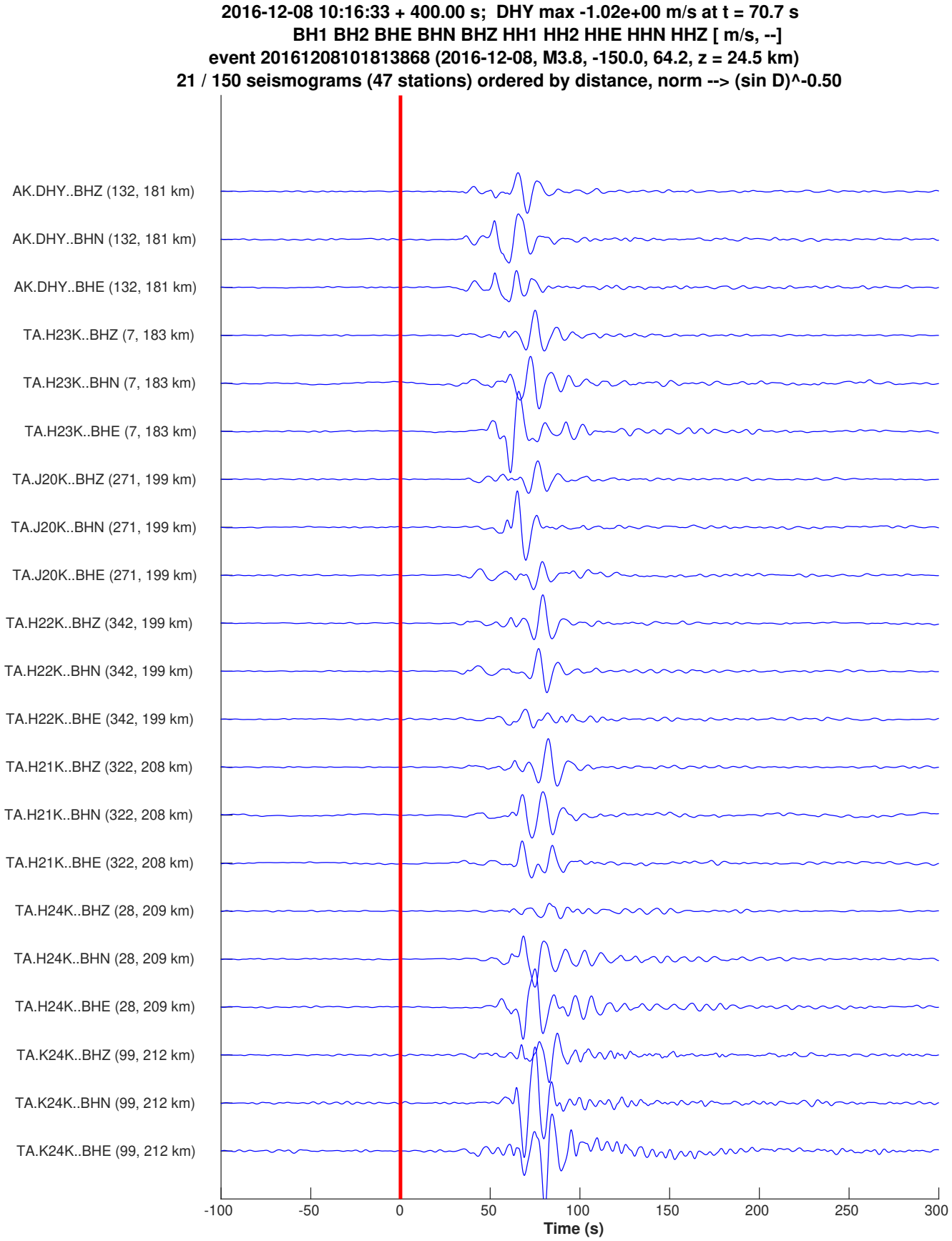


Figure G7, Part 5

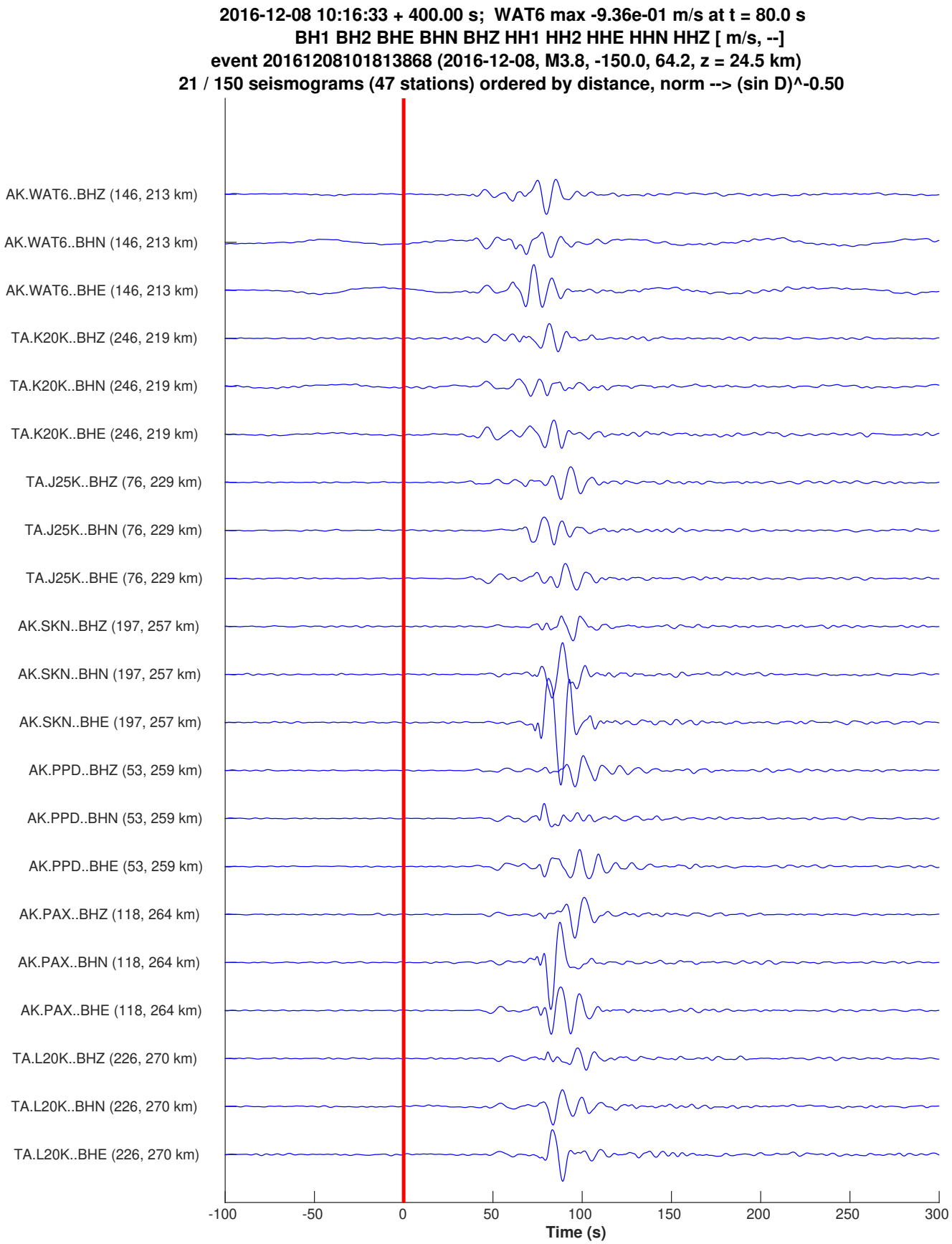


Figure G7, Part 6

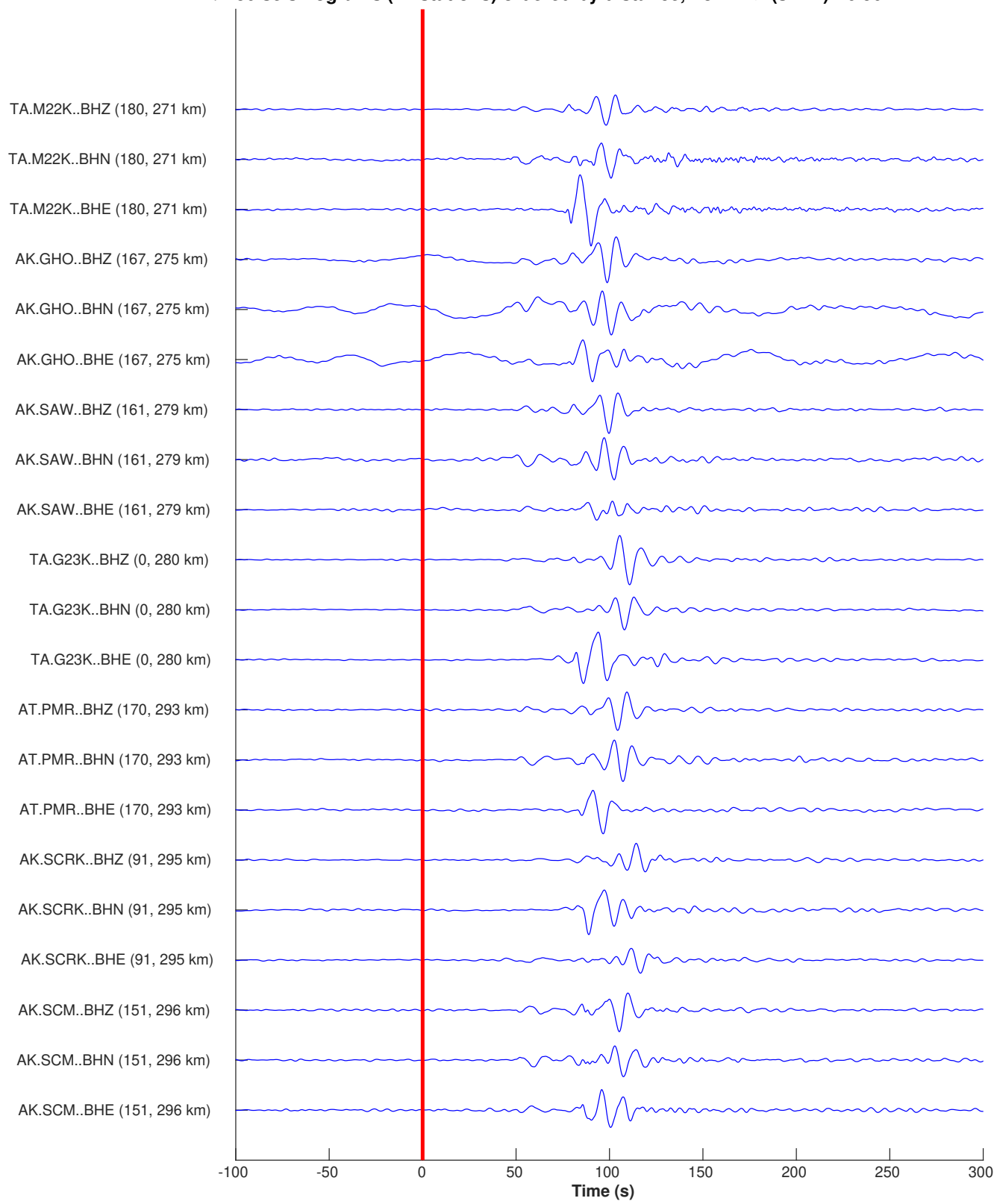


Figure G7, Part 7

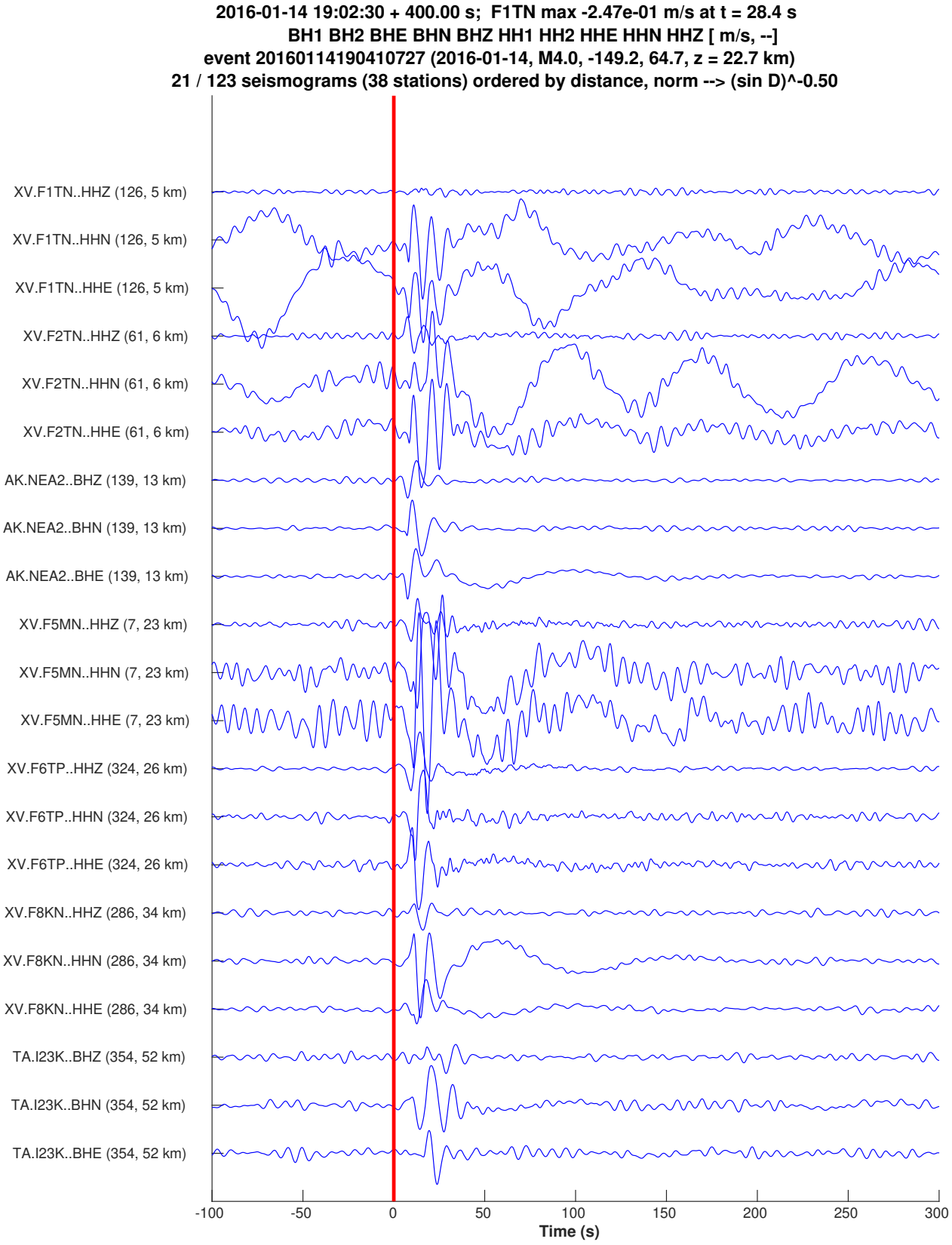


Figure G8: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G8) for the 2016-01-14 $M_w$ 3.8 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

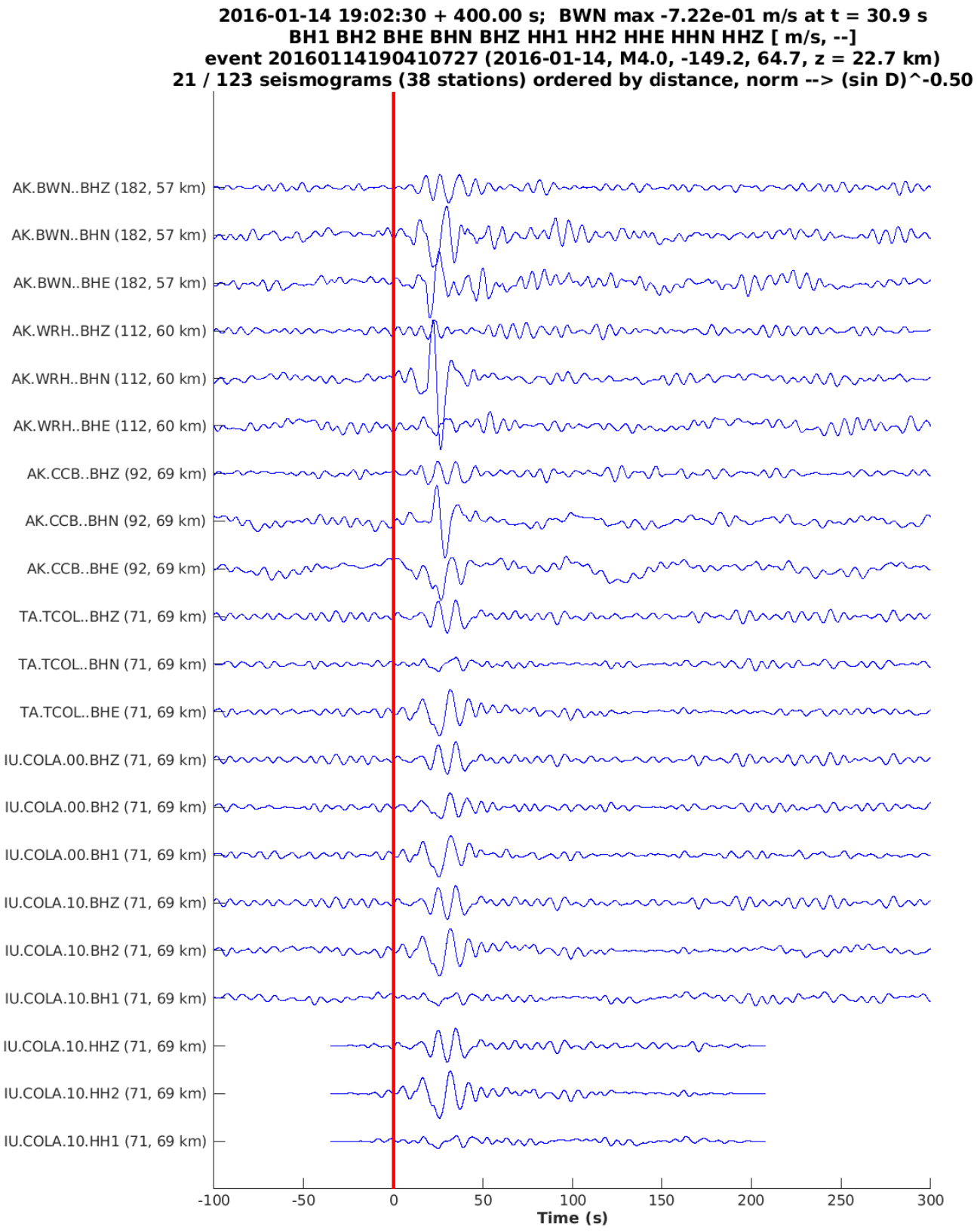


Figure G8, Part 2

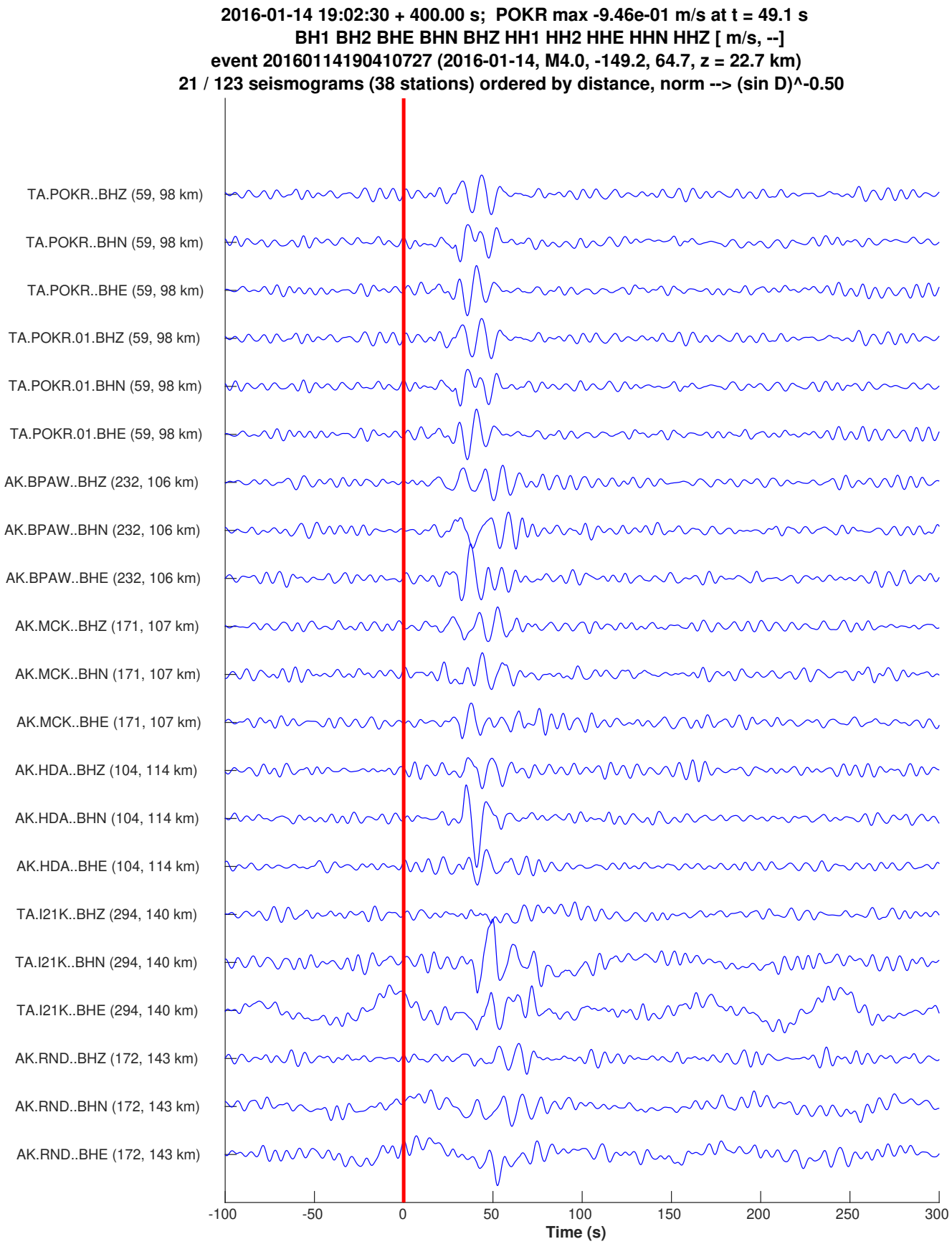


Figure G8, Part 3

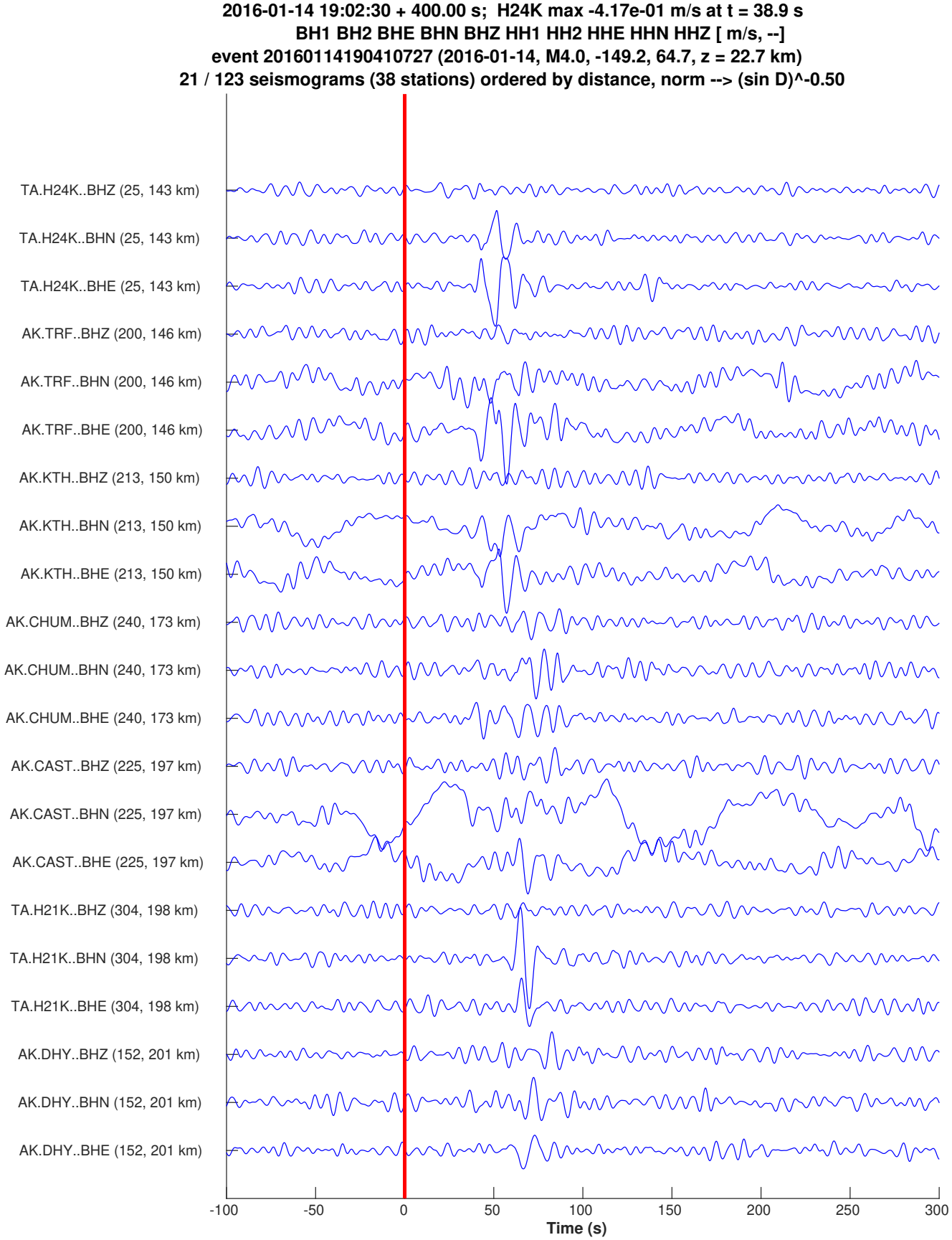


Figure G8, Part 4

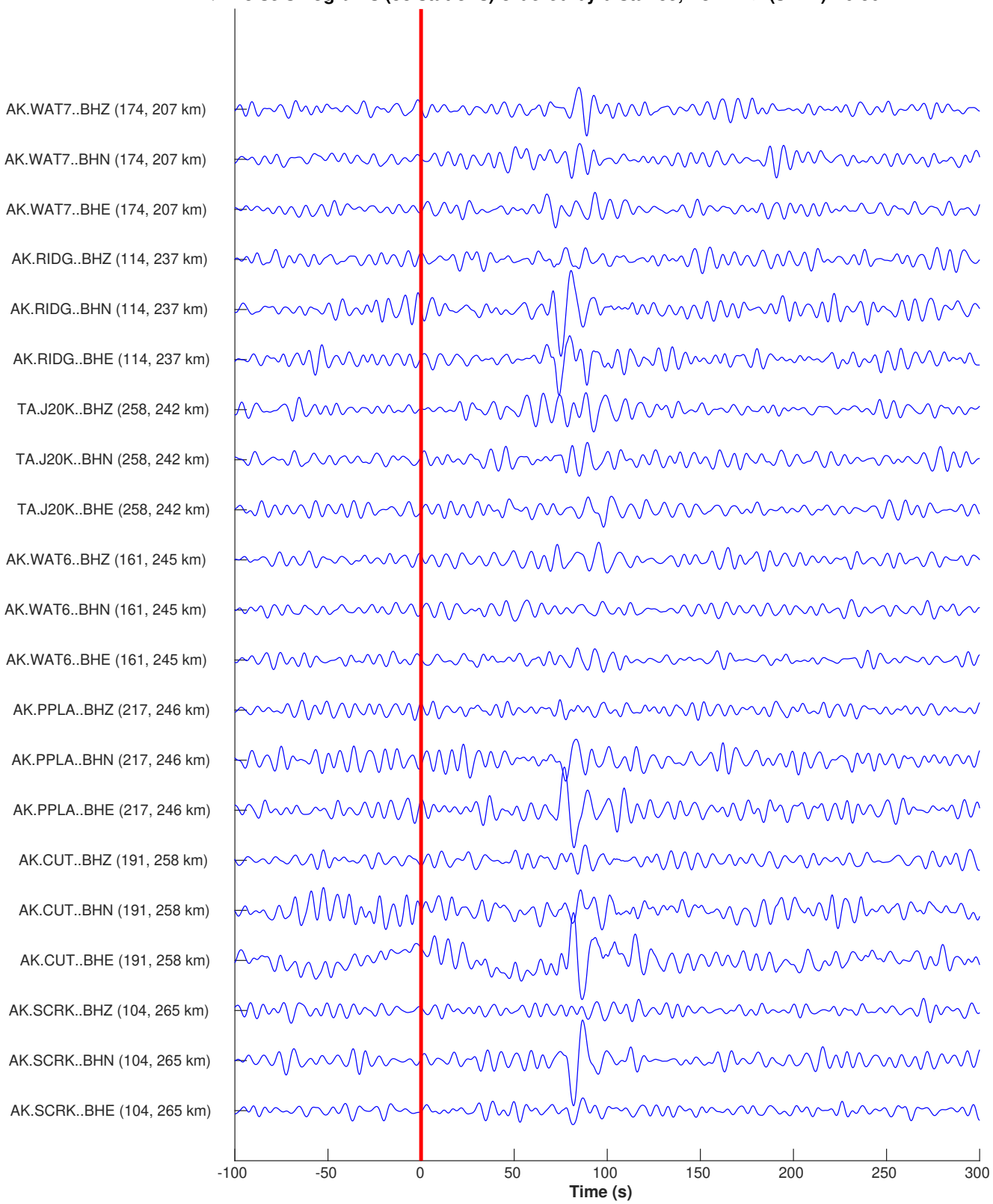


Figure G8, Part 5

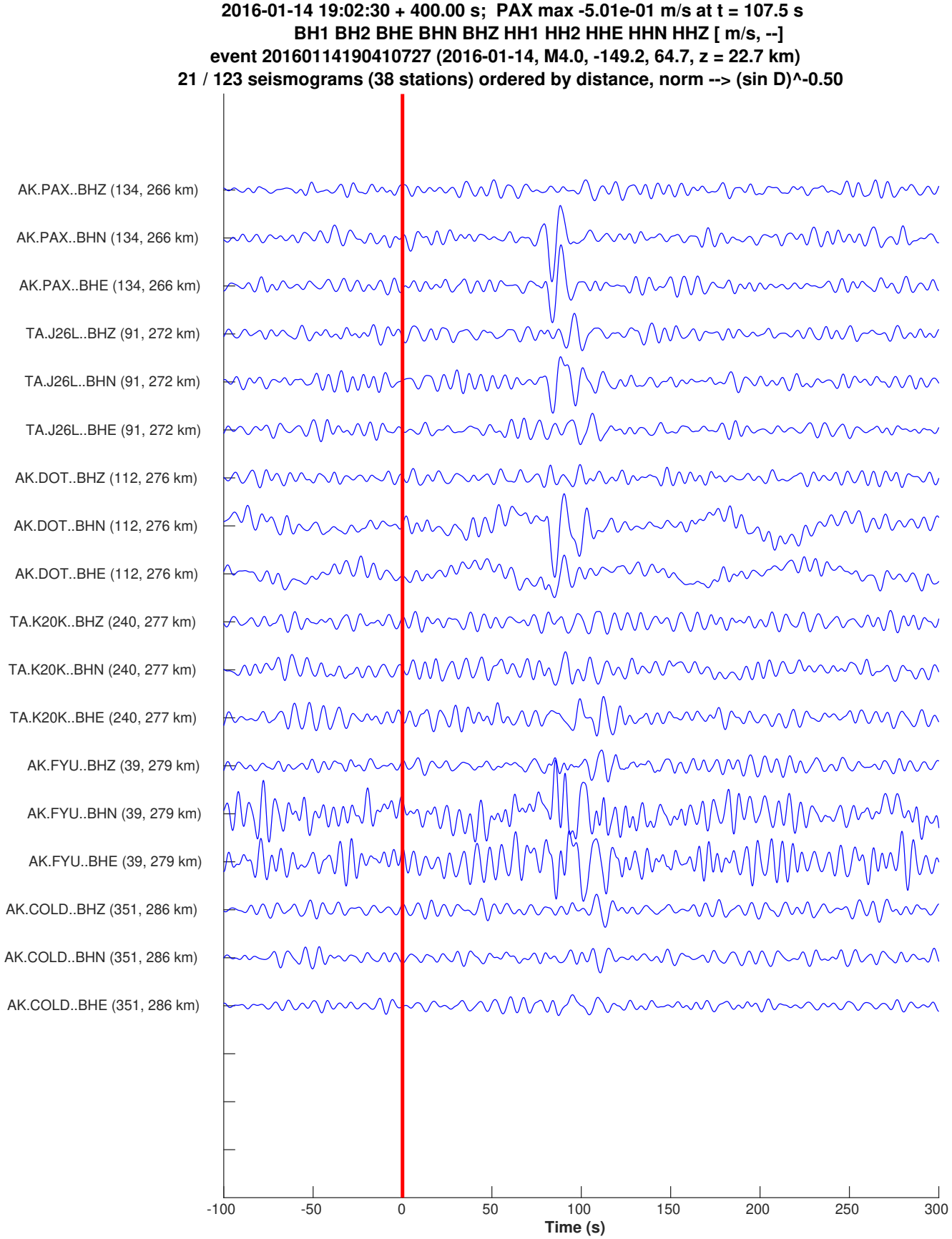


Figure G8, Part 6

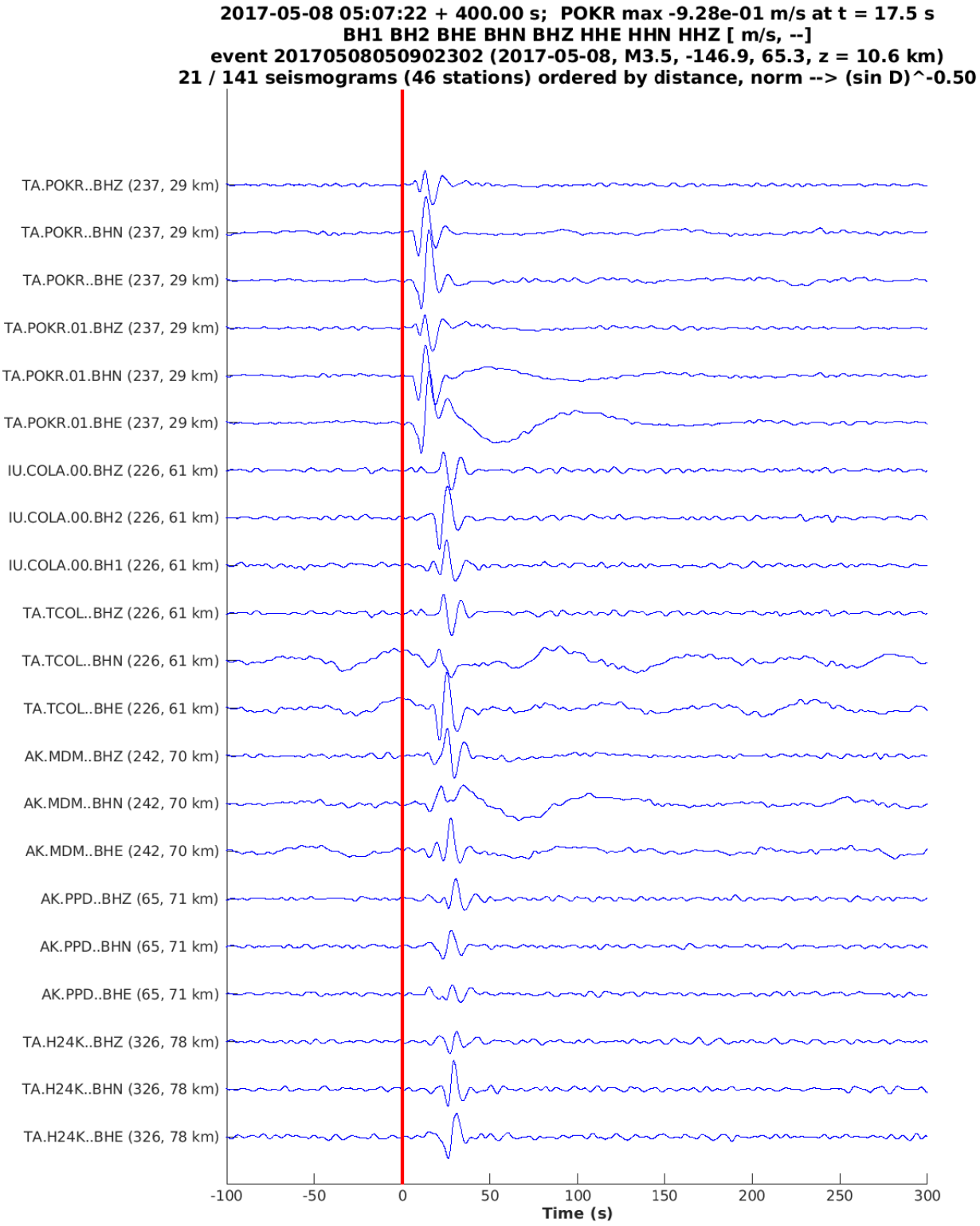


Figure G9: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G9) for the 2017-05-08 $M_{\mathrm{w}}$ 3.5 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

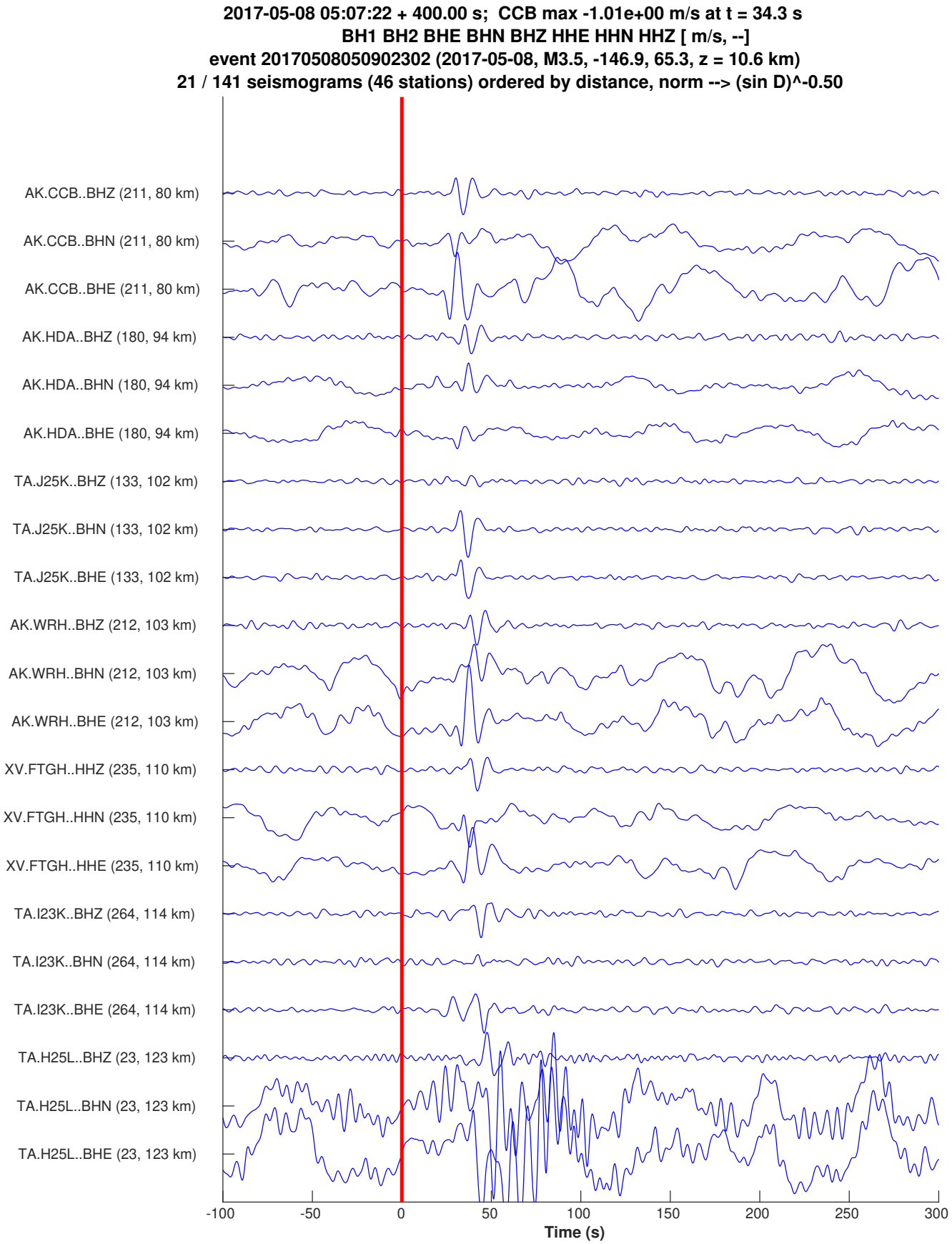


Figure G9, Part 2

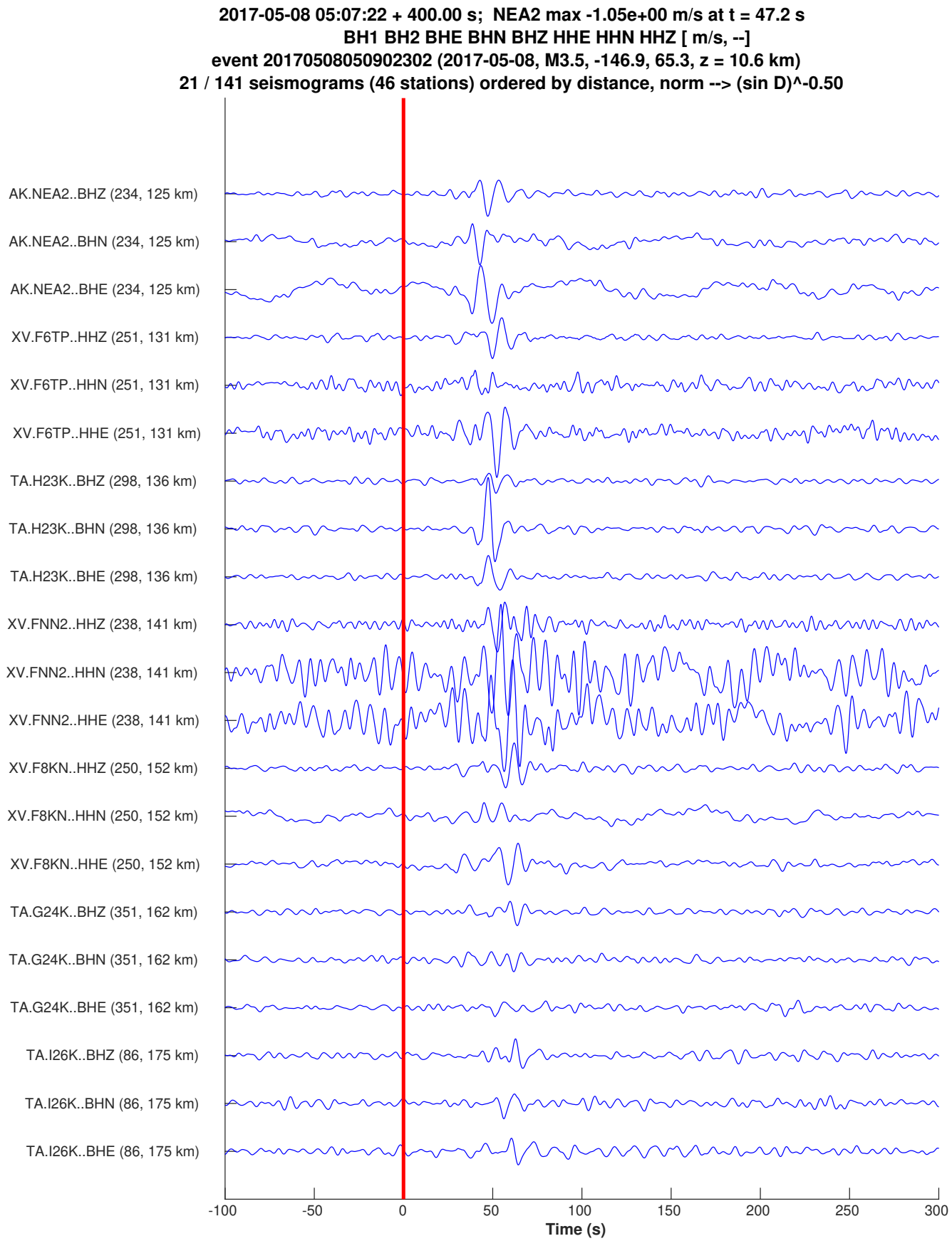


Figure G9, Part 3

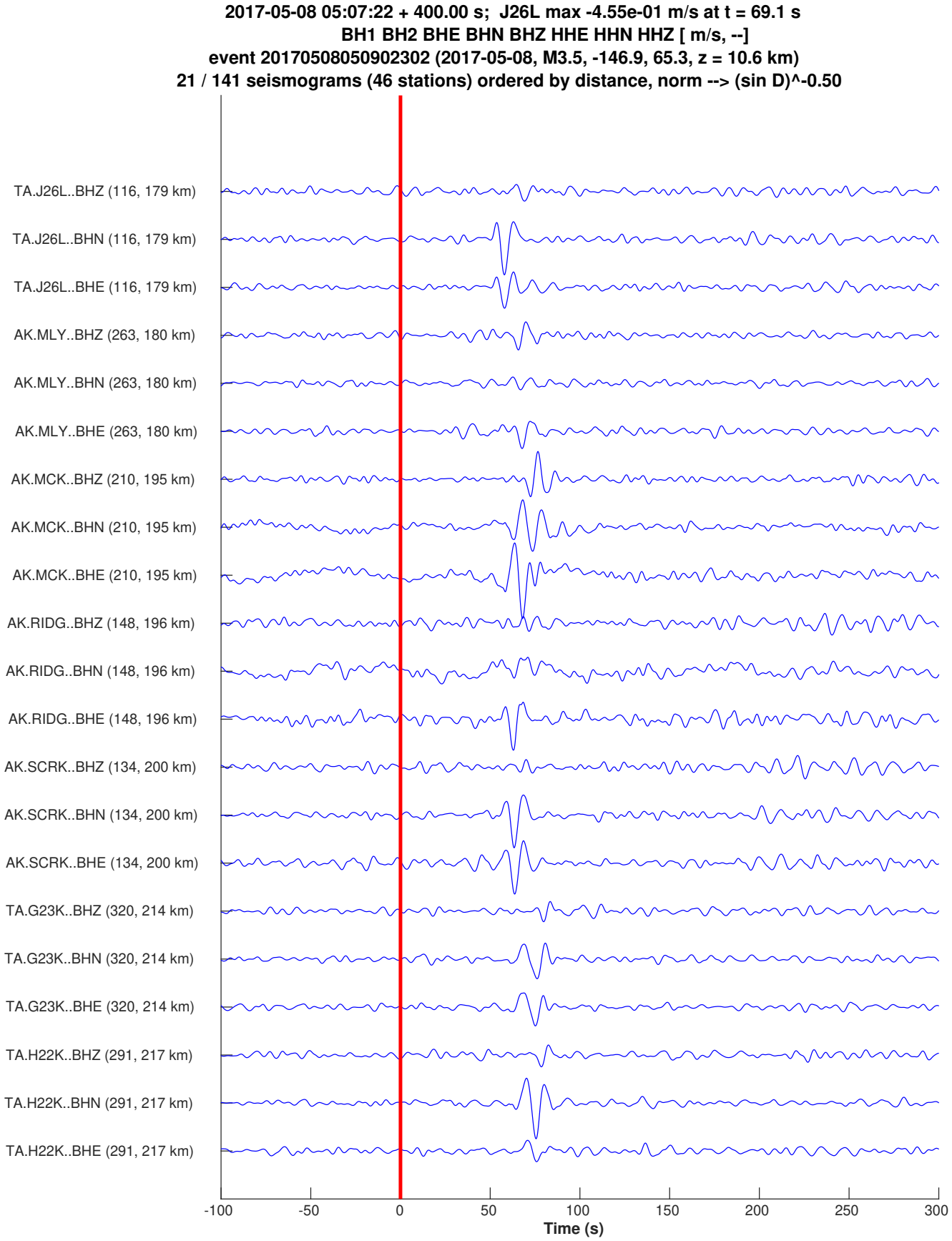


Figure G9, Part 4

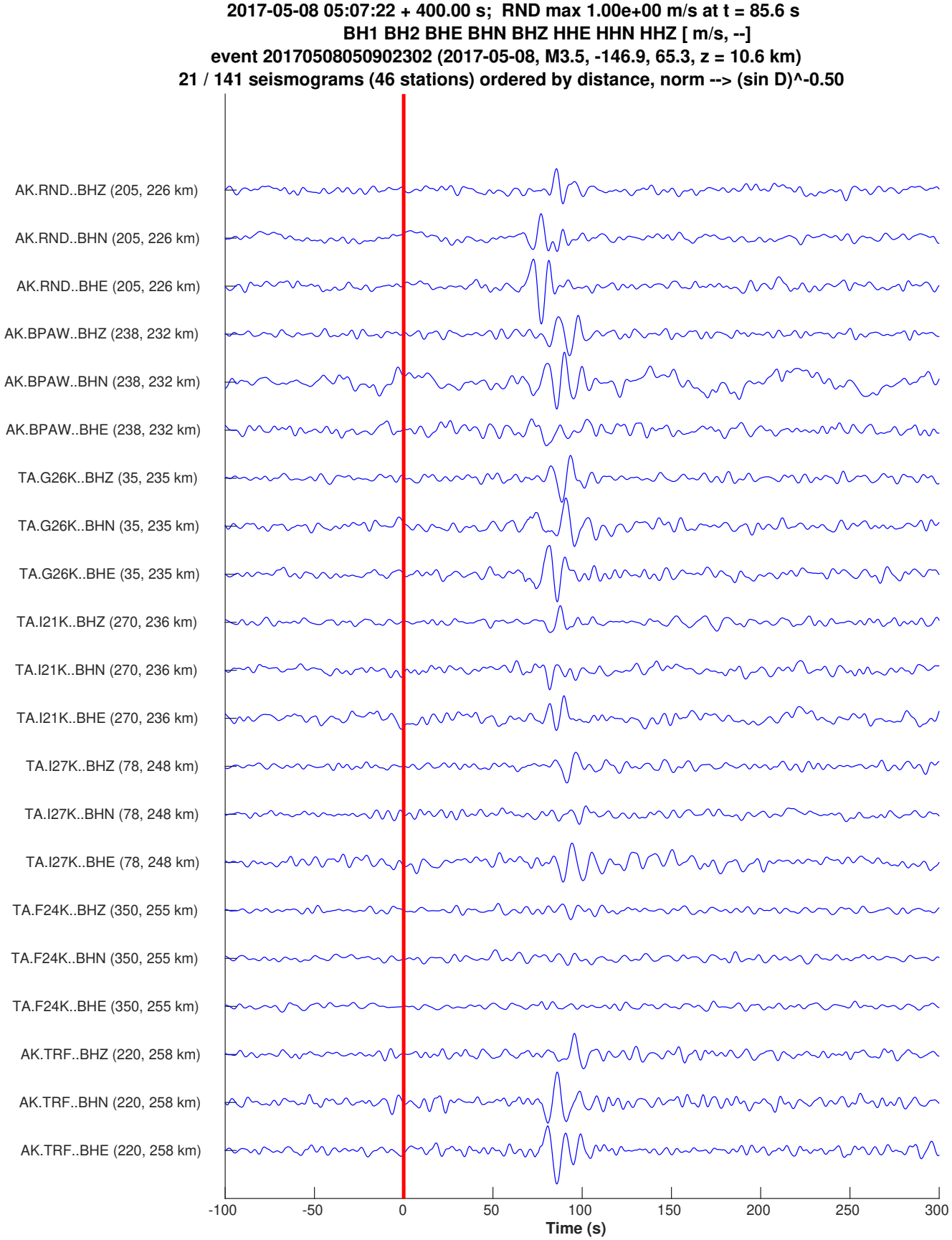


Figure G9, Part 5

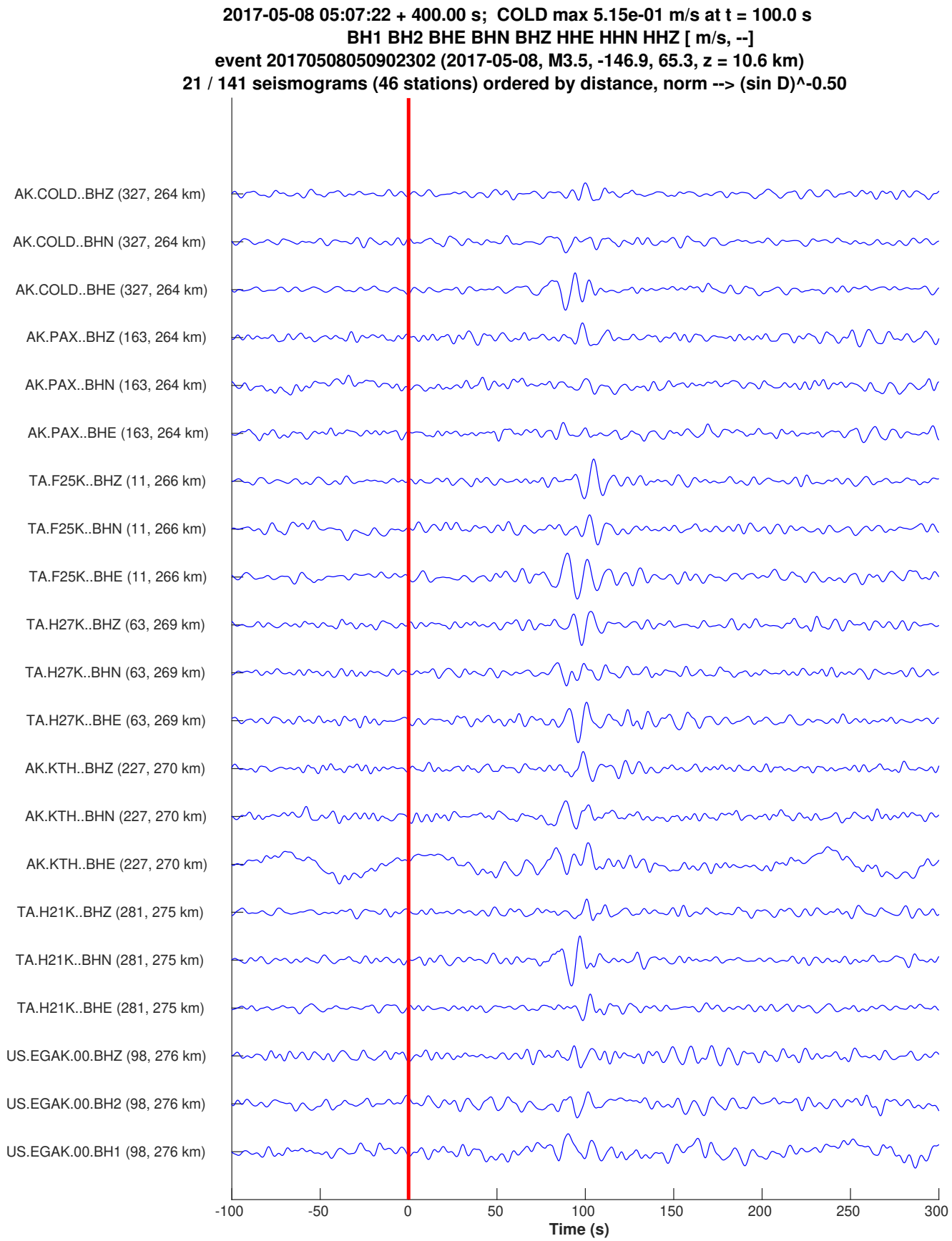


Figure G9, Part 6

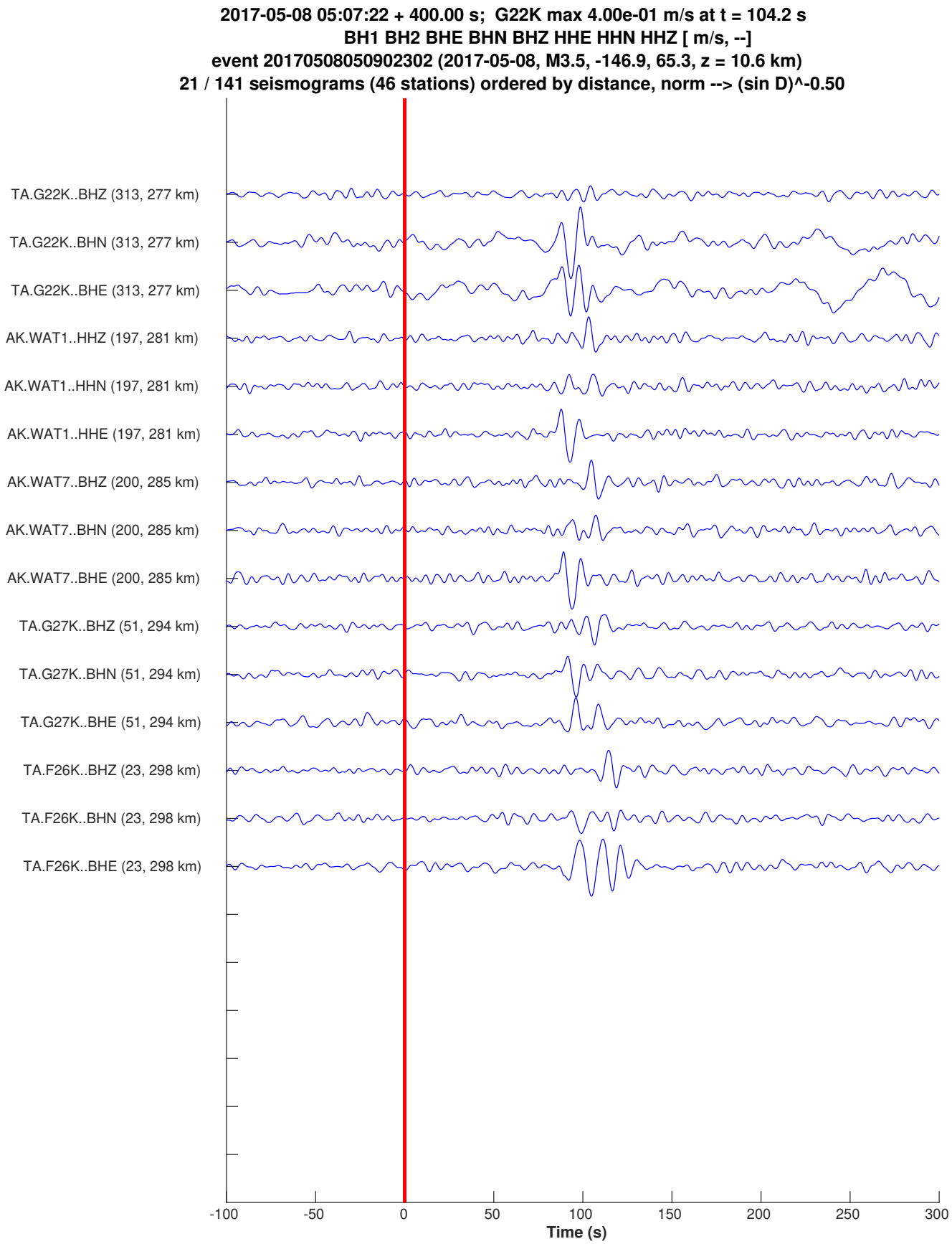


Figure G9, Part 7

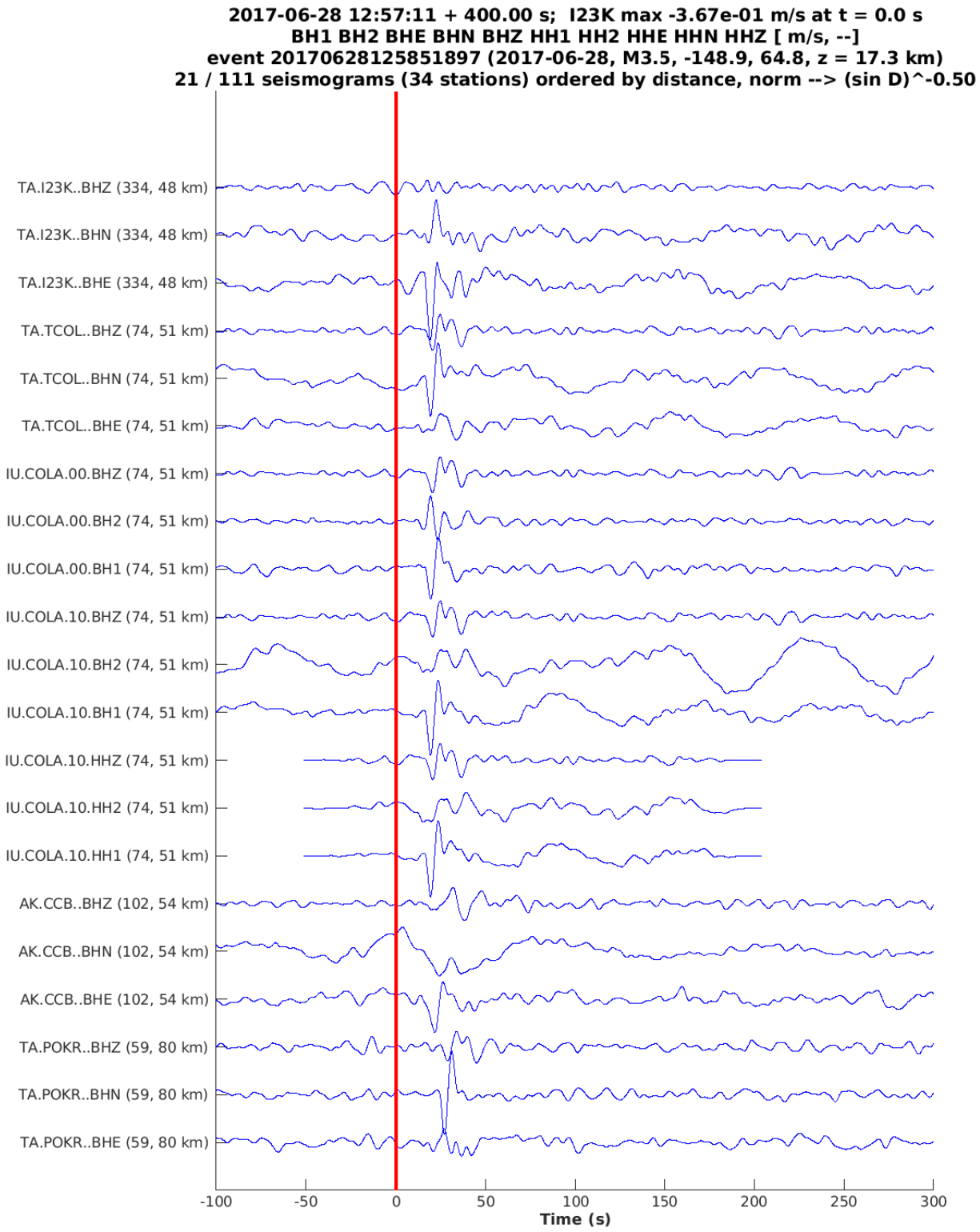


Figure G10: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G10) for the 2017-06-28 $M_{\mathrm{w}}$ 3.5 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

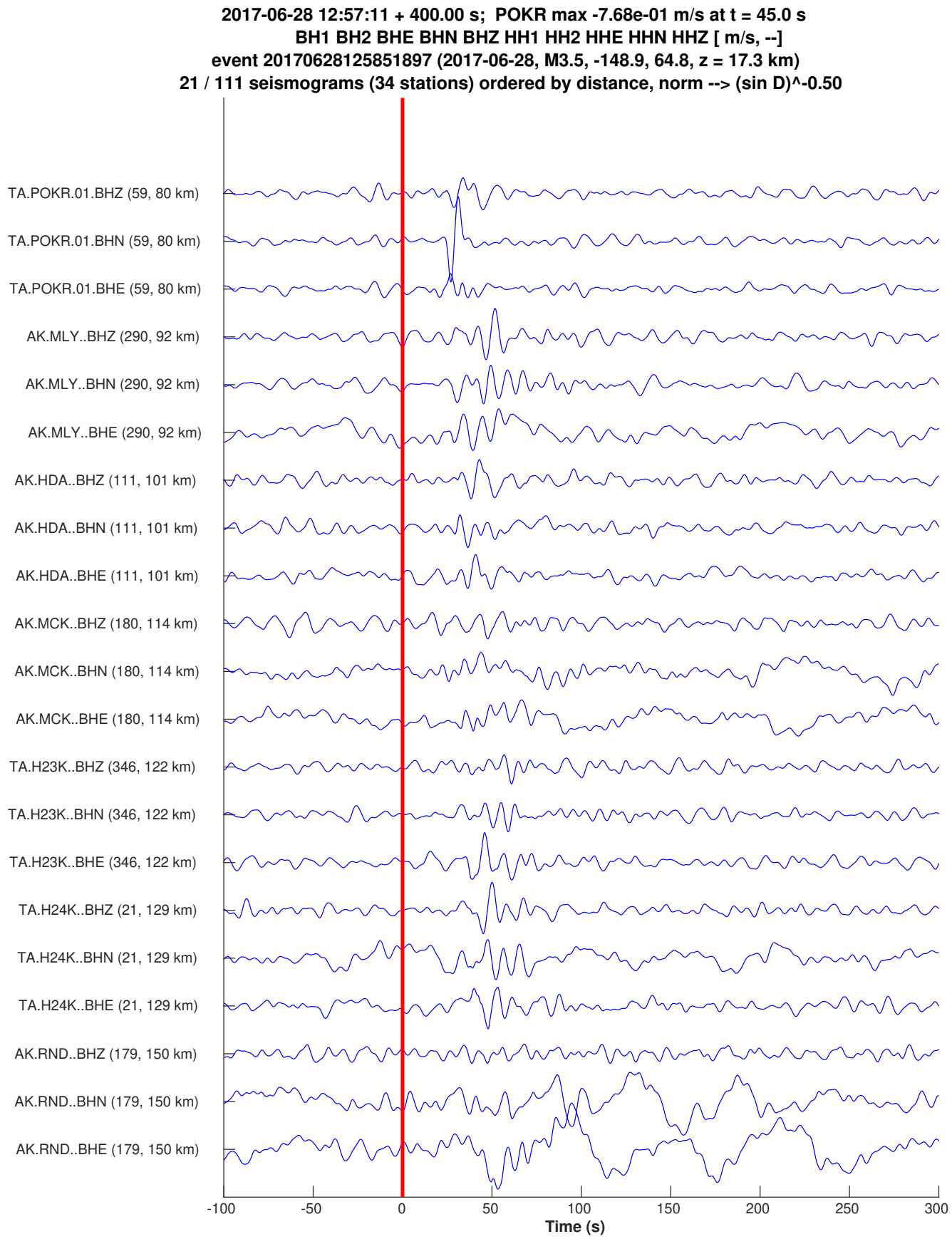


Figure G10, Part 2

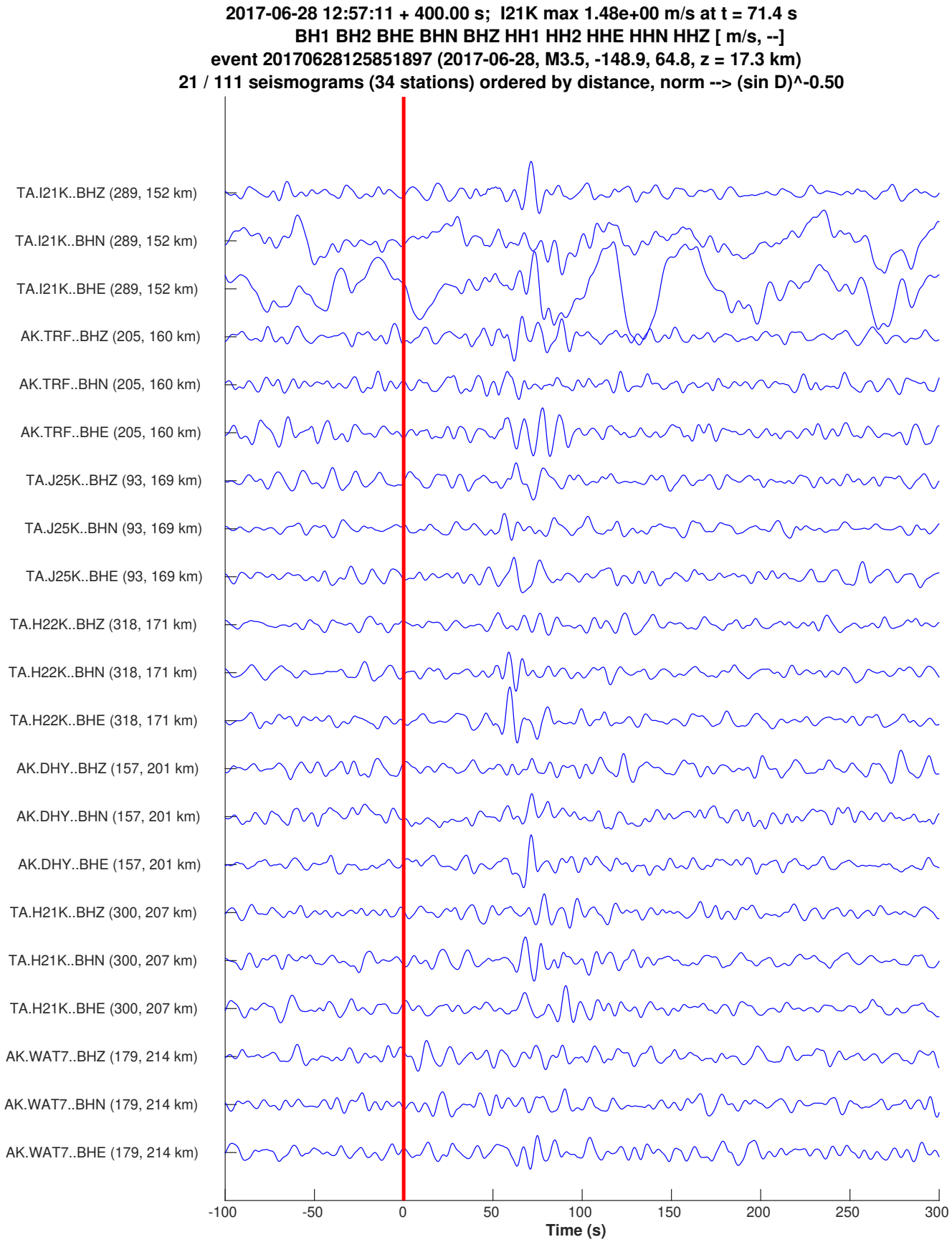


Figure G10, Part 3

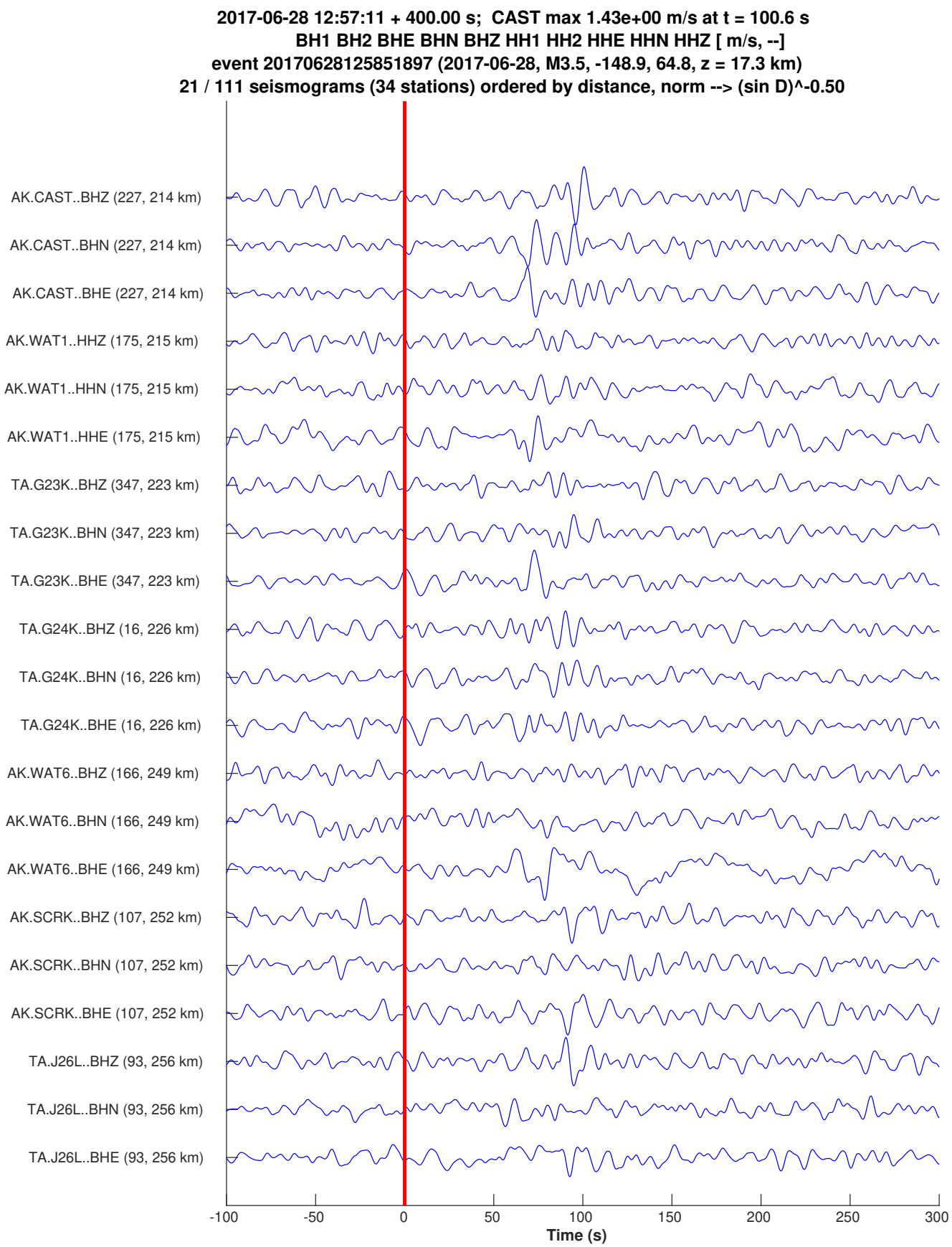


Figure G10, Part 4

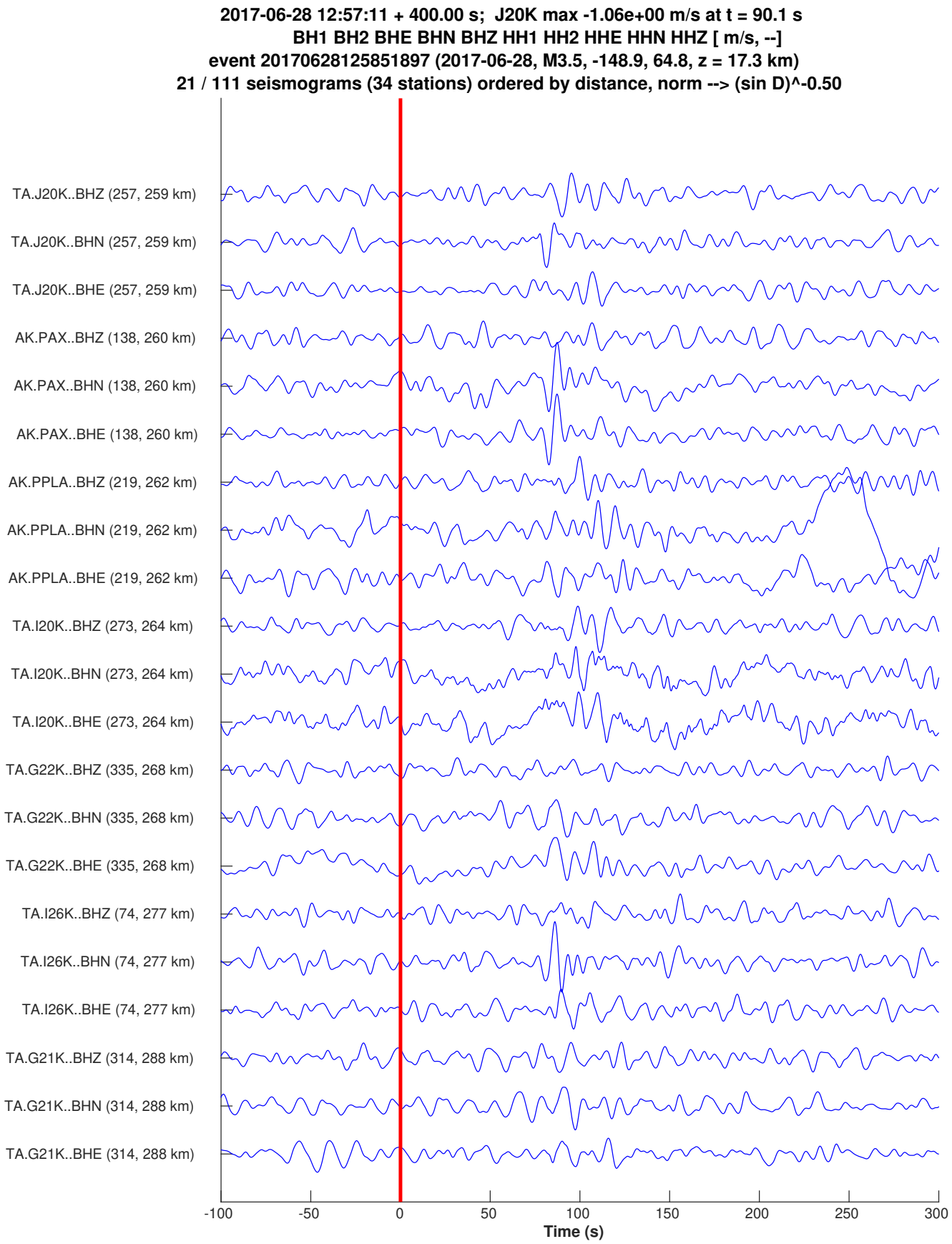


Figure G10, Part 5

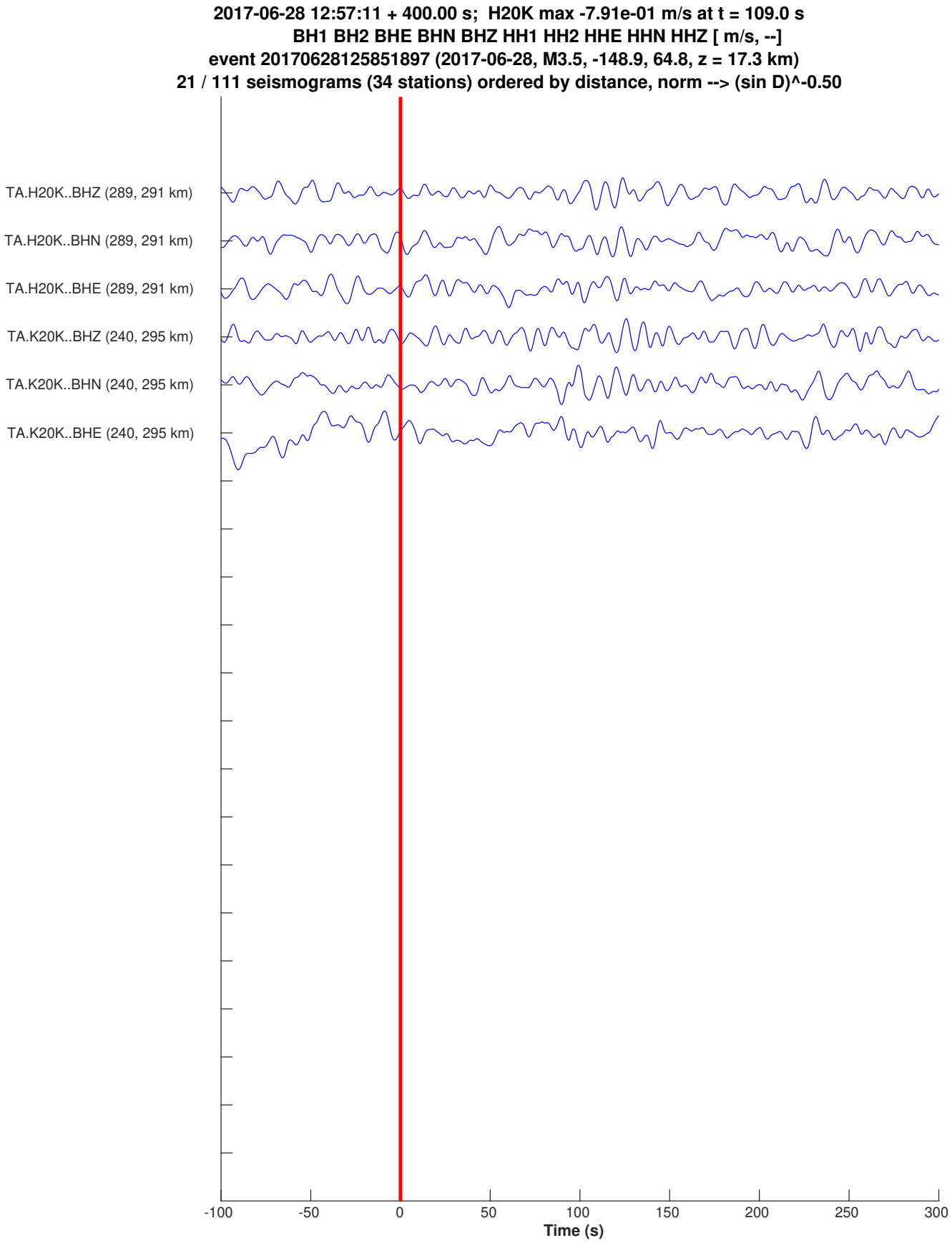


Figure G10, Part 6

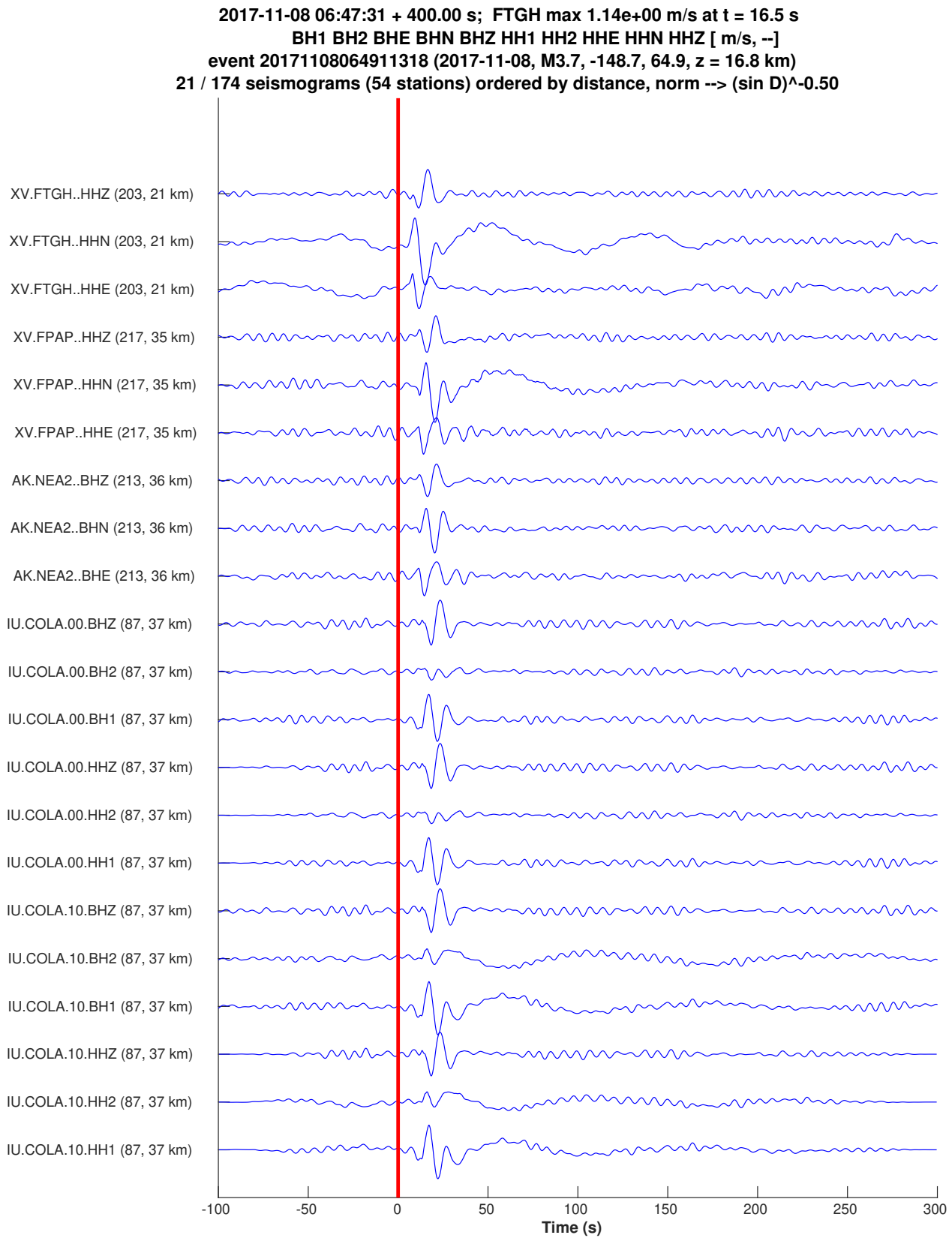


Figure G11: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G11) for the 2017-11-08 $M_w$ 3.7 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

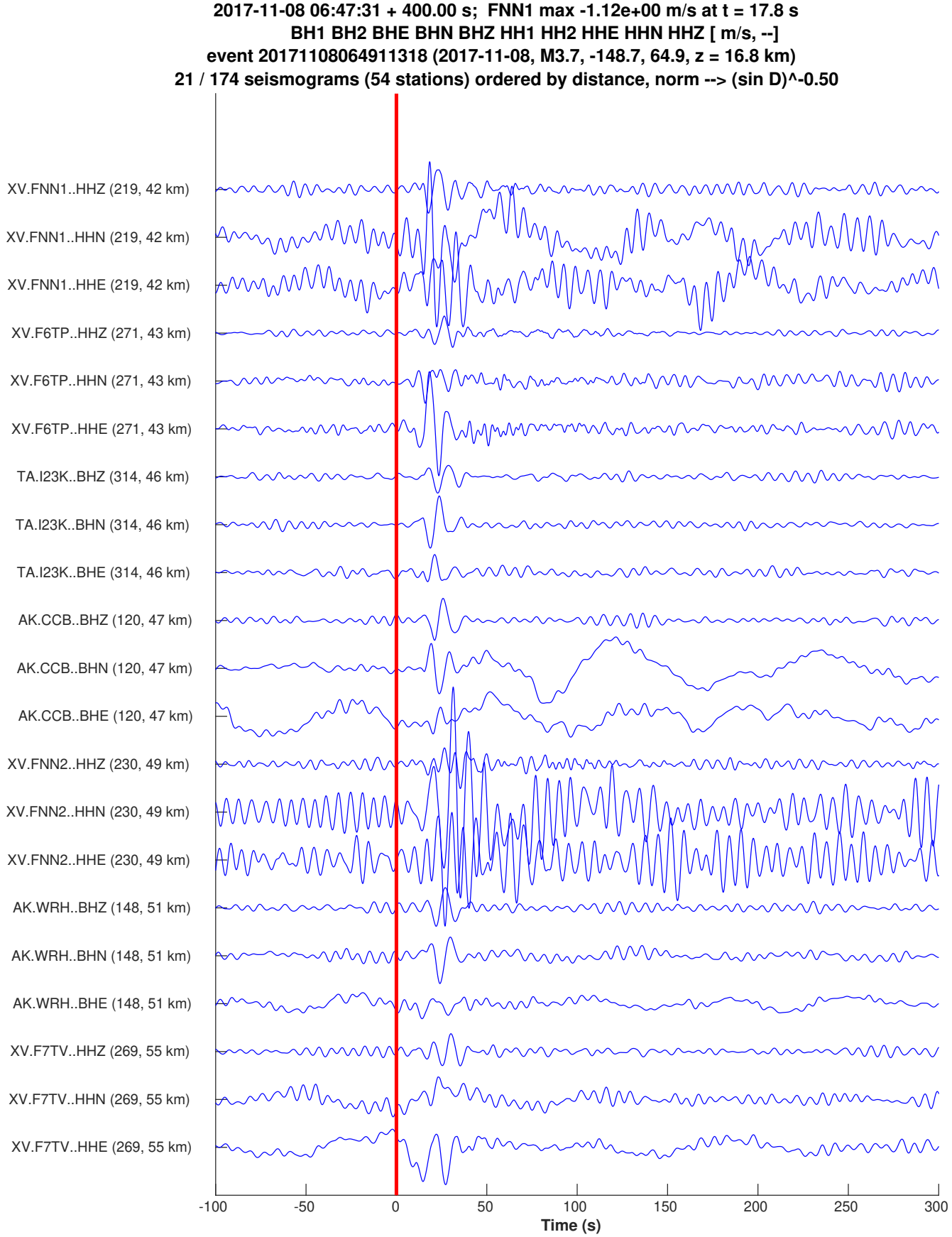


Figure G11, Part 2

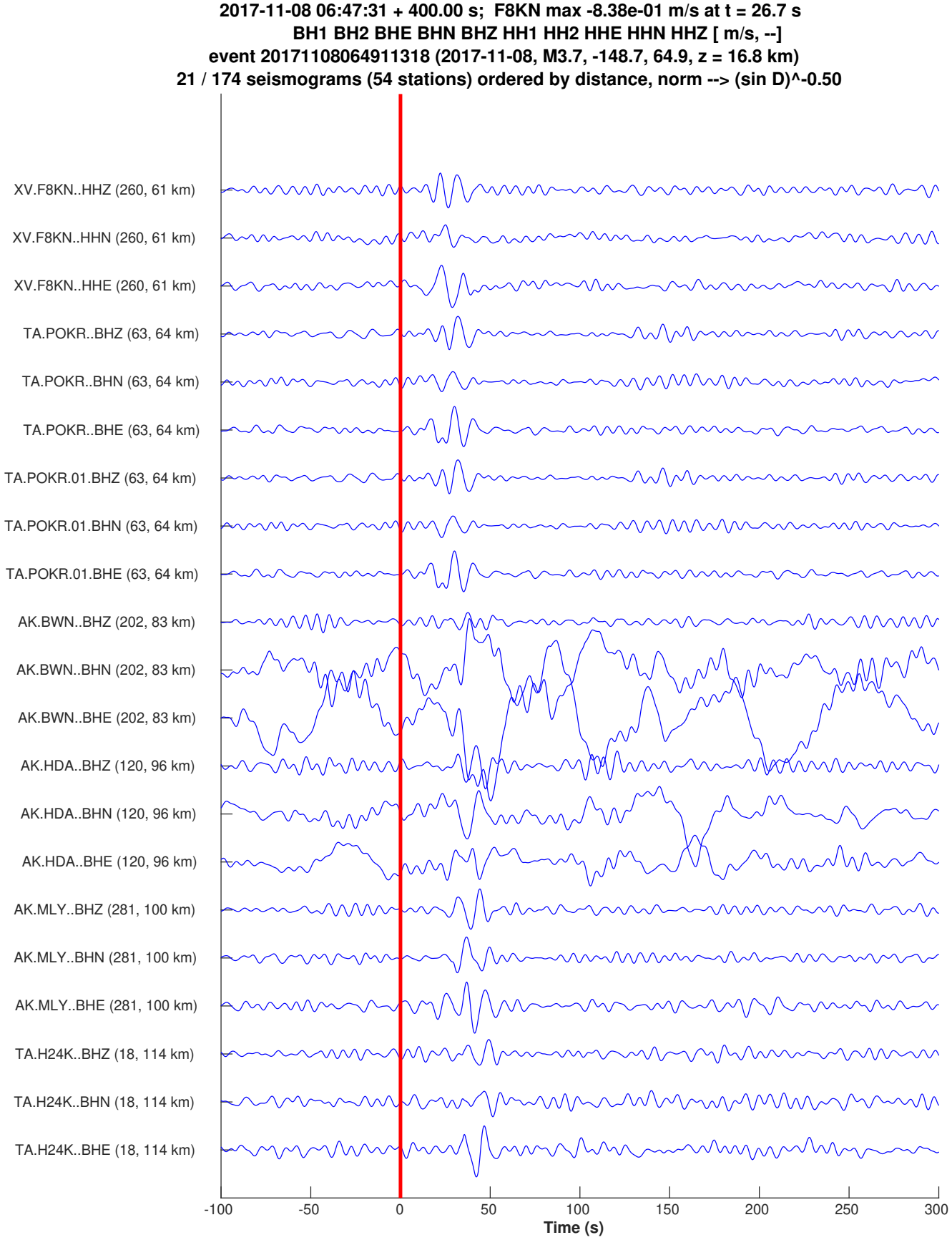


Figure G11, Part 3

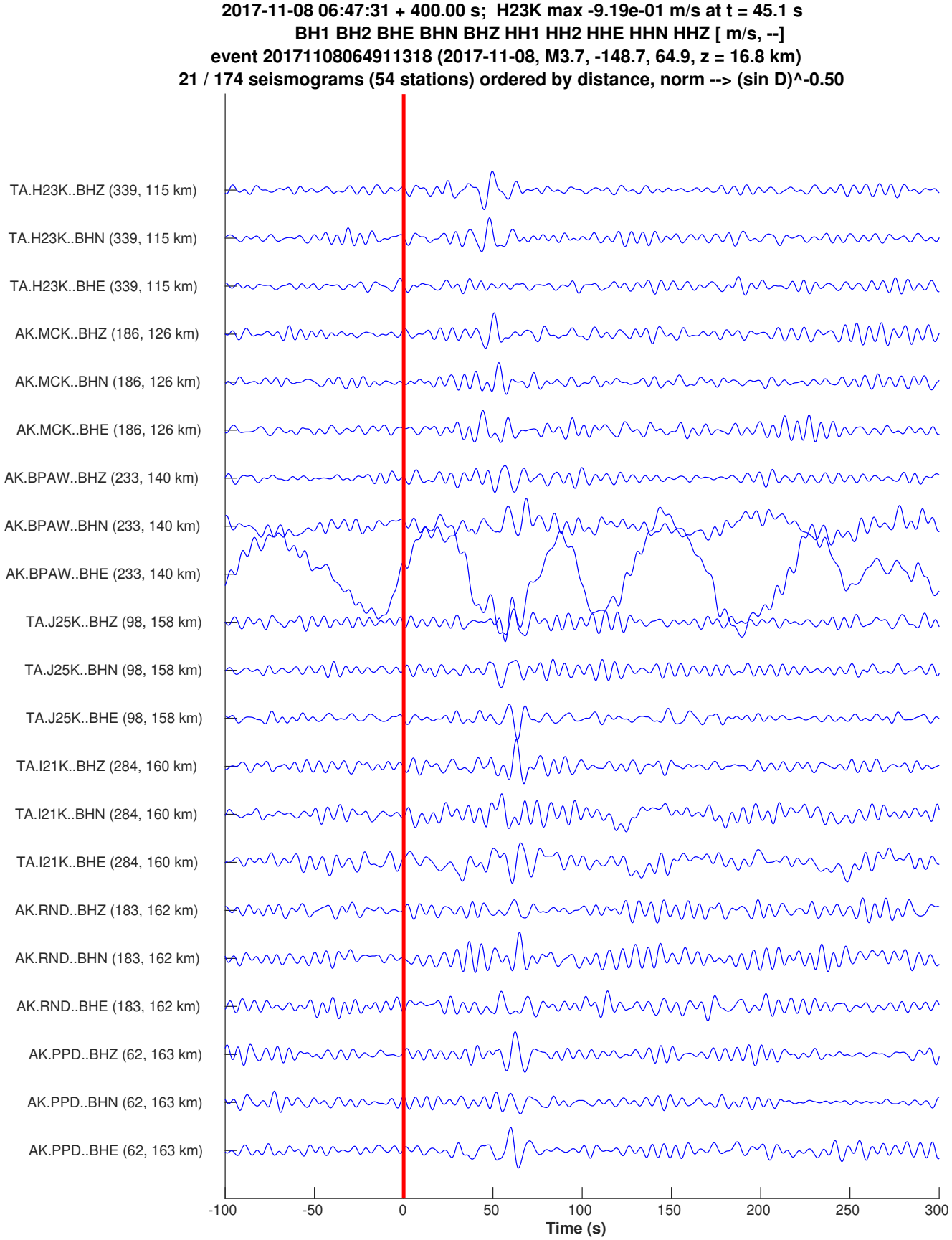


Figure G11, Part 4

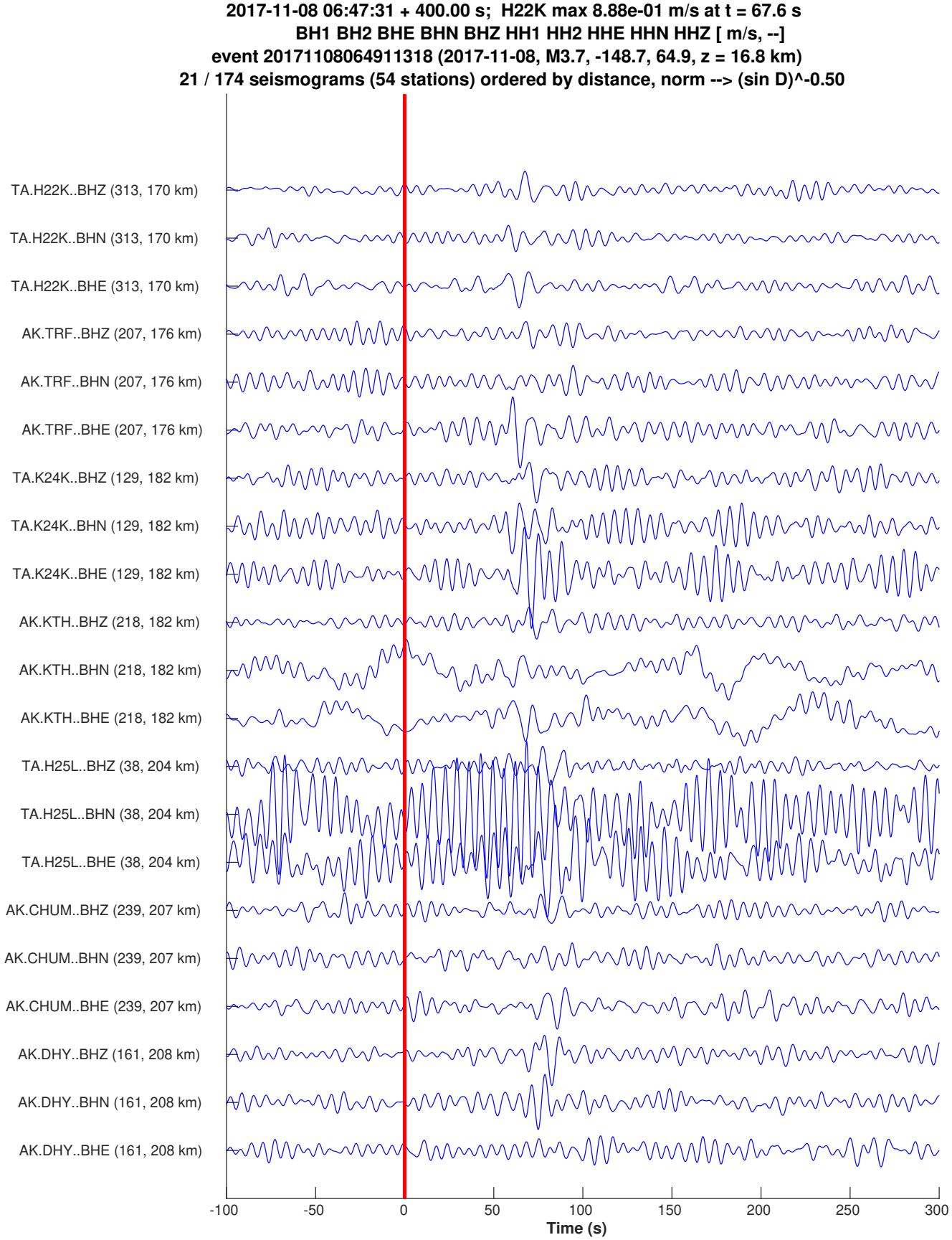


Figure G11, Part 5

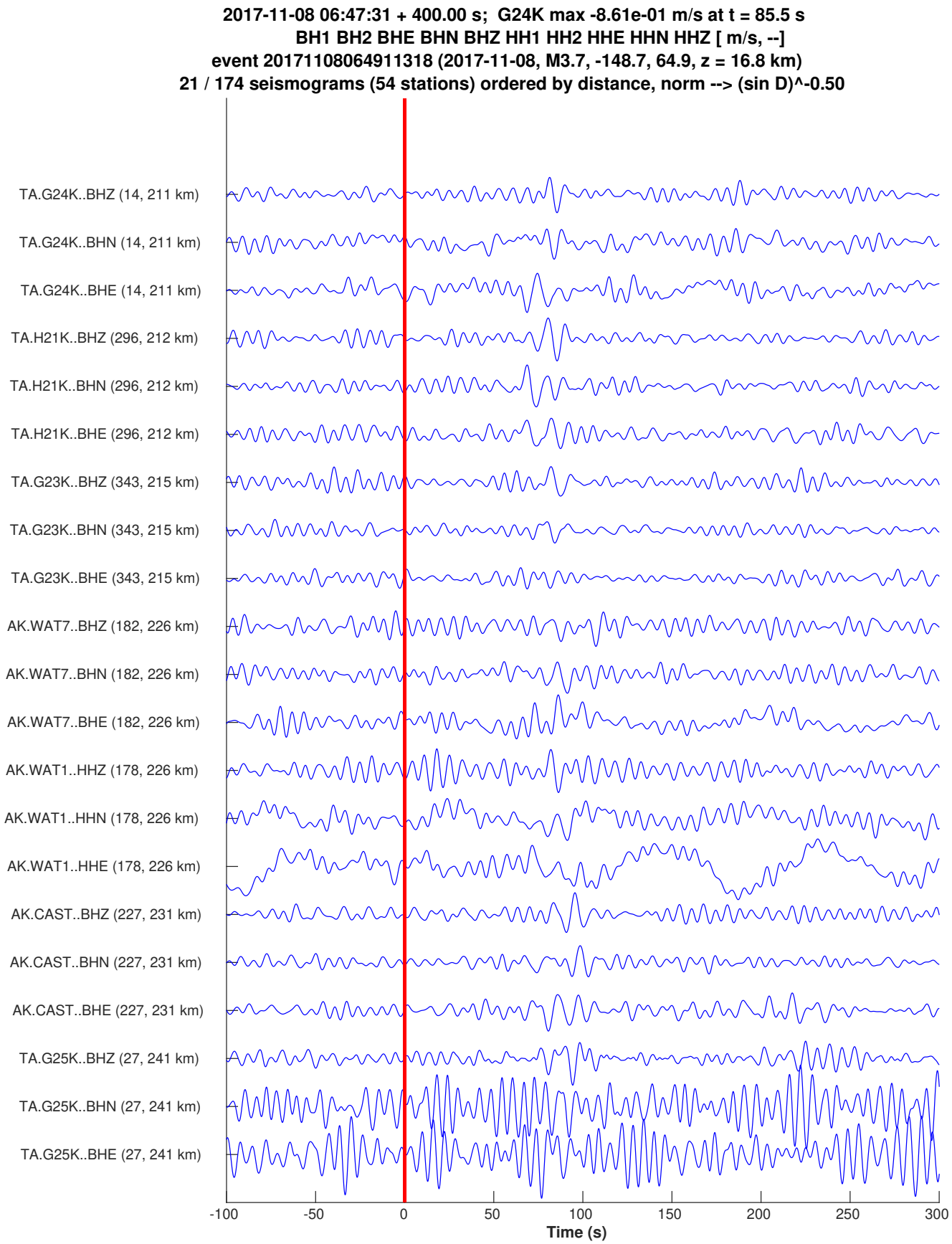


Figure G11, Part 6

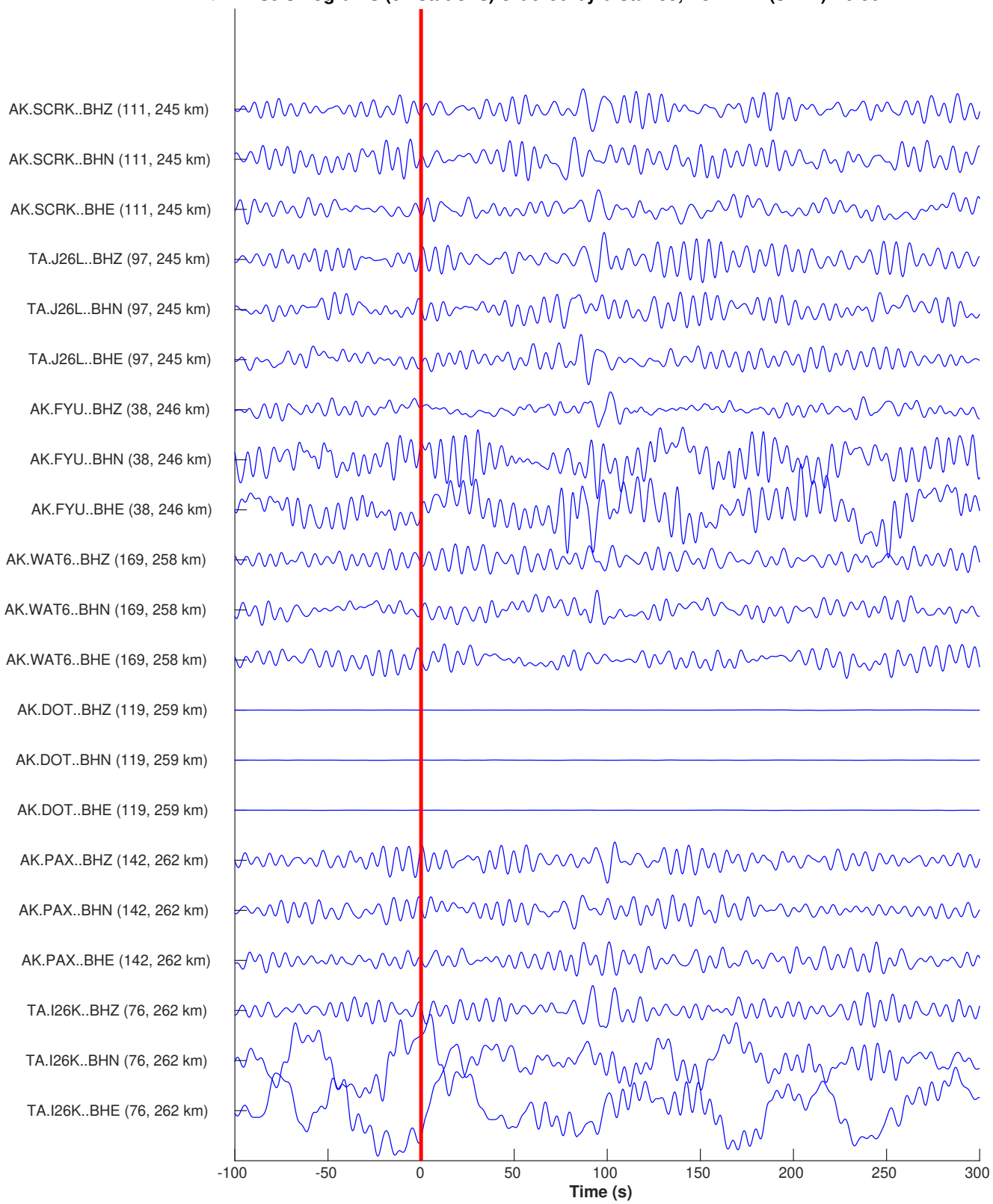


Figure G11, Part 7

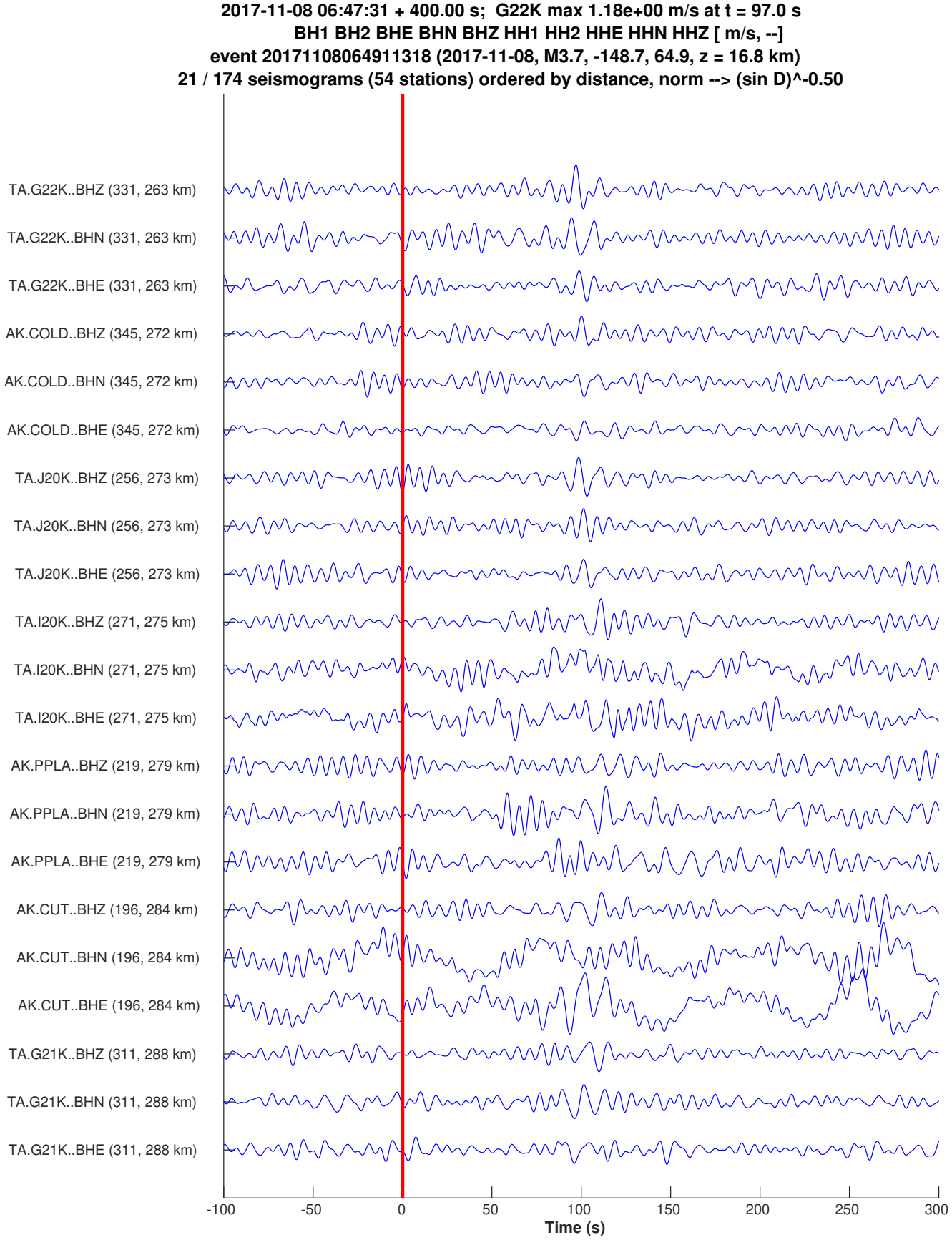


Figure G11, Part 8

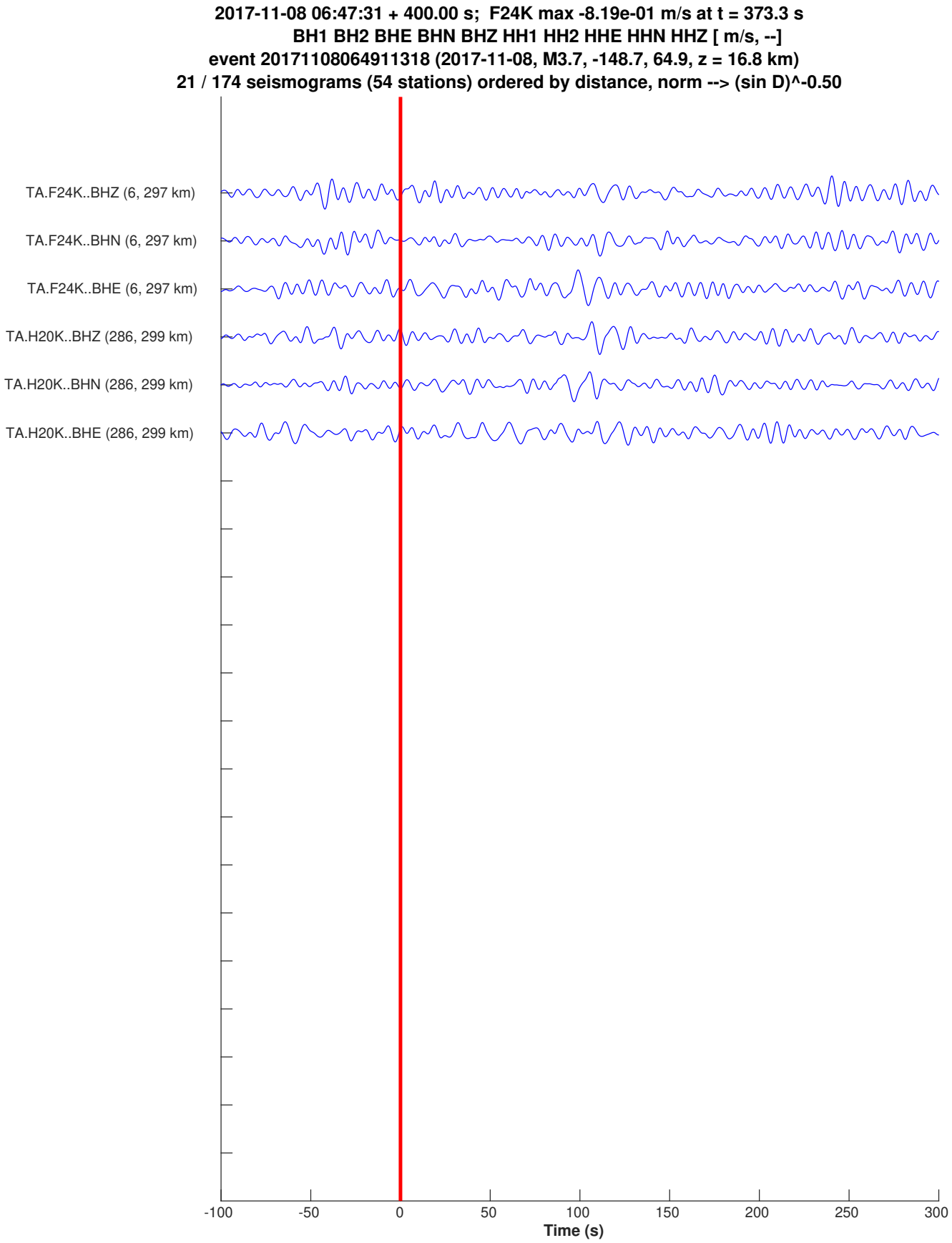


Figure G11, Part 9

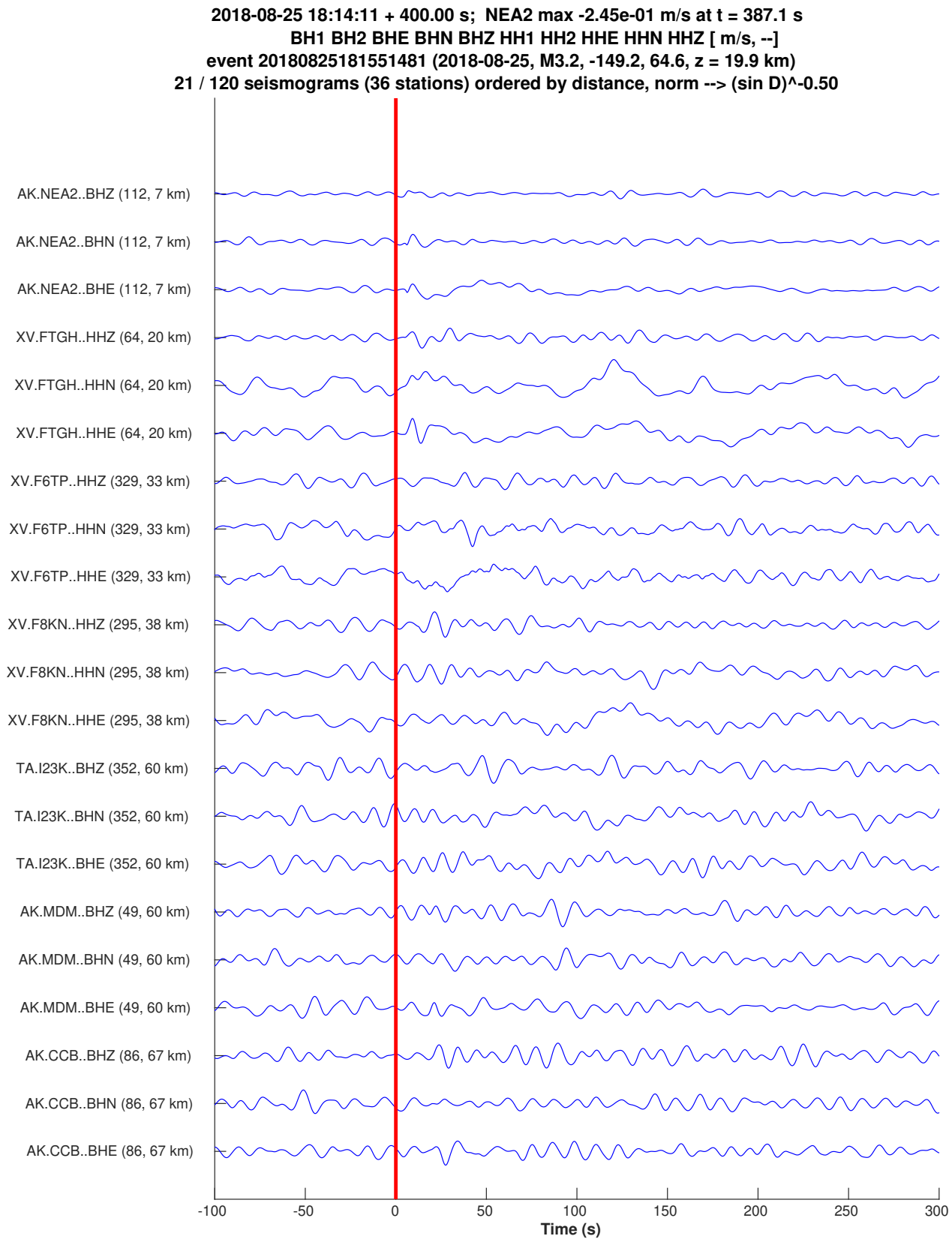


Figure G12: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G12) for the 2018-08-25 $M_w$ 3.16 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.) For this samall ($M_l$ 3.16) earthquake, there is little-to-no signal at this bandpass.

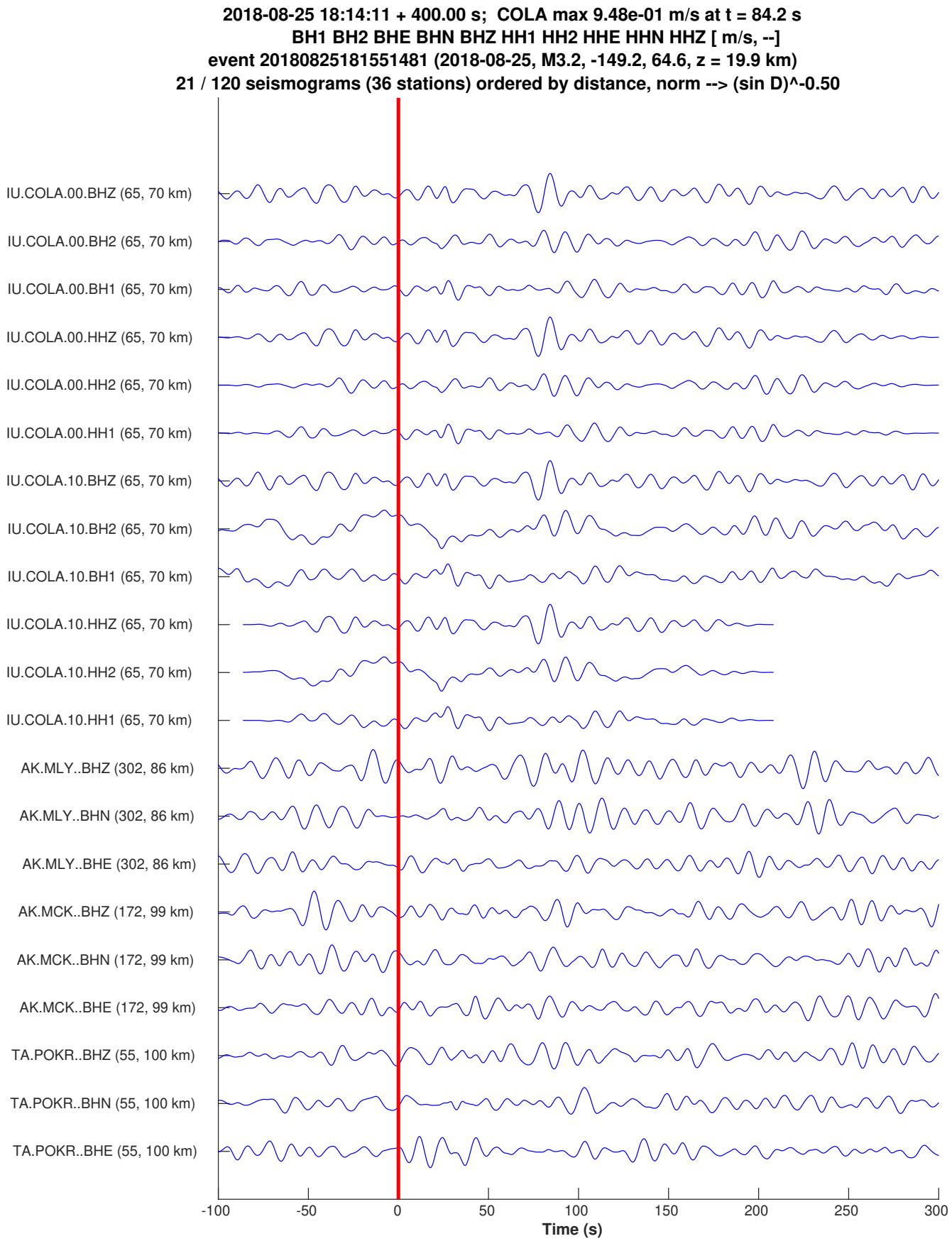


Figure G12, Part 2

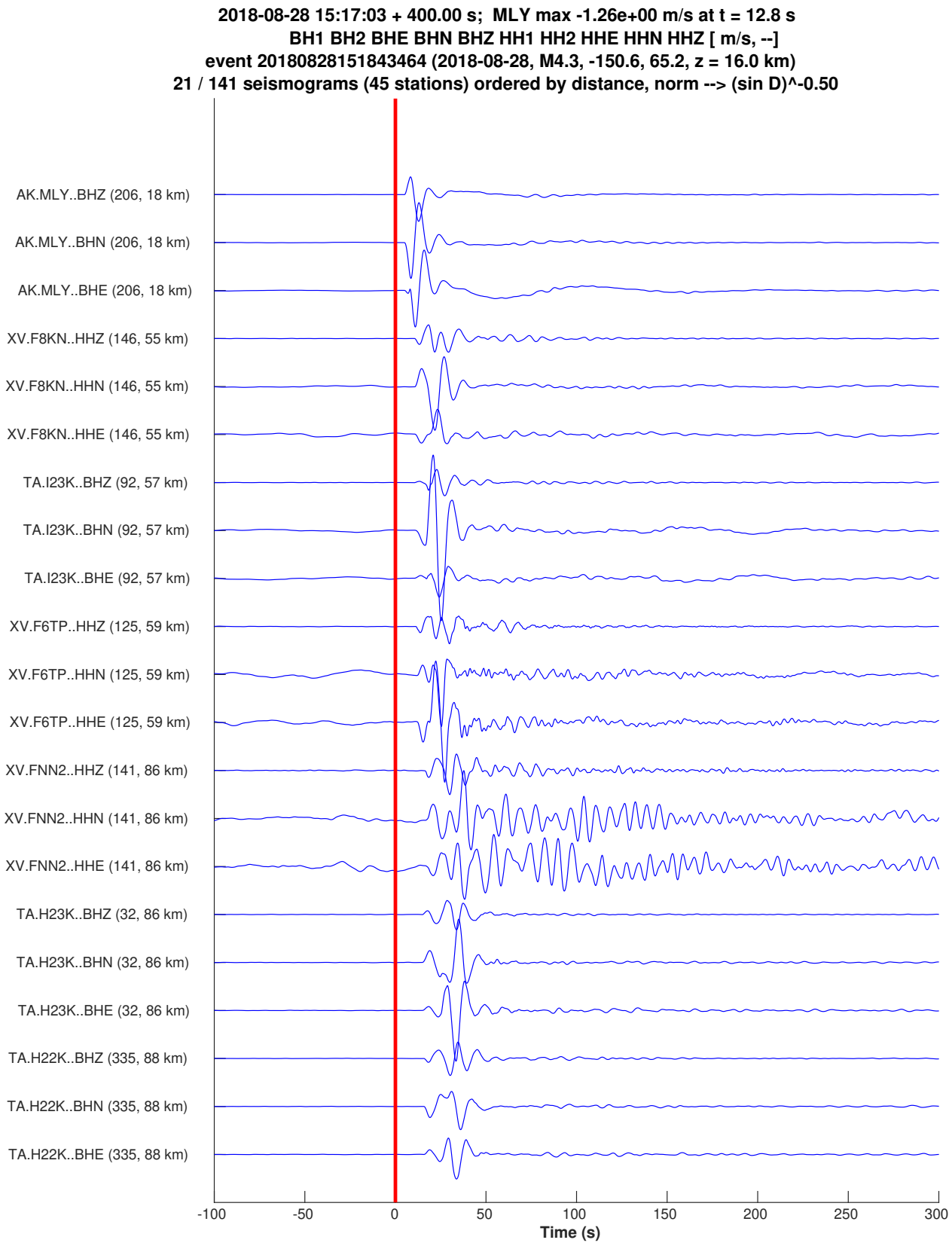


Figure G13: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G13) for the 2018-08-28 $M_{\mathrm{w}}$ 4.3 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

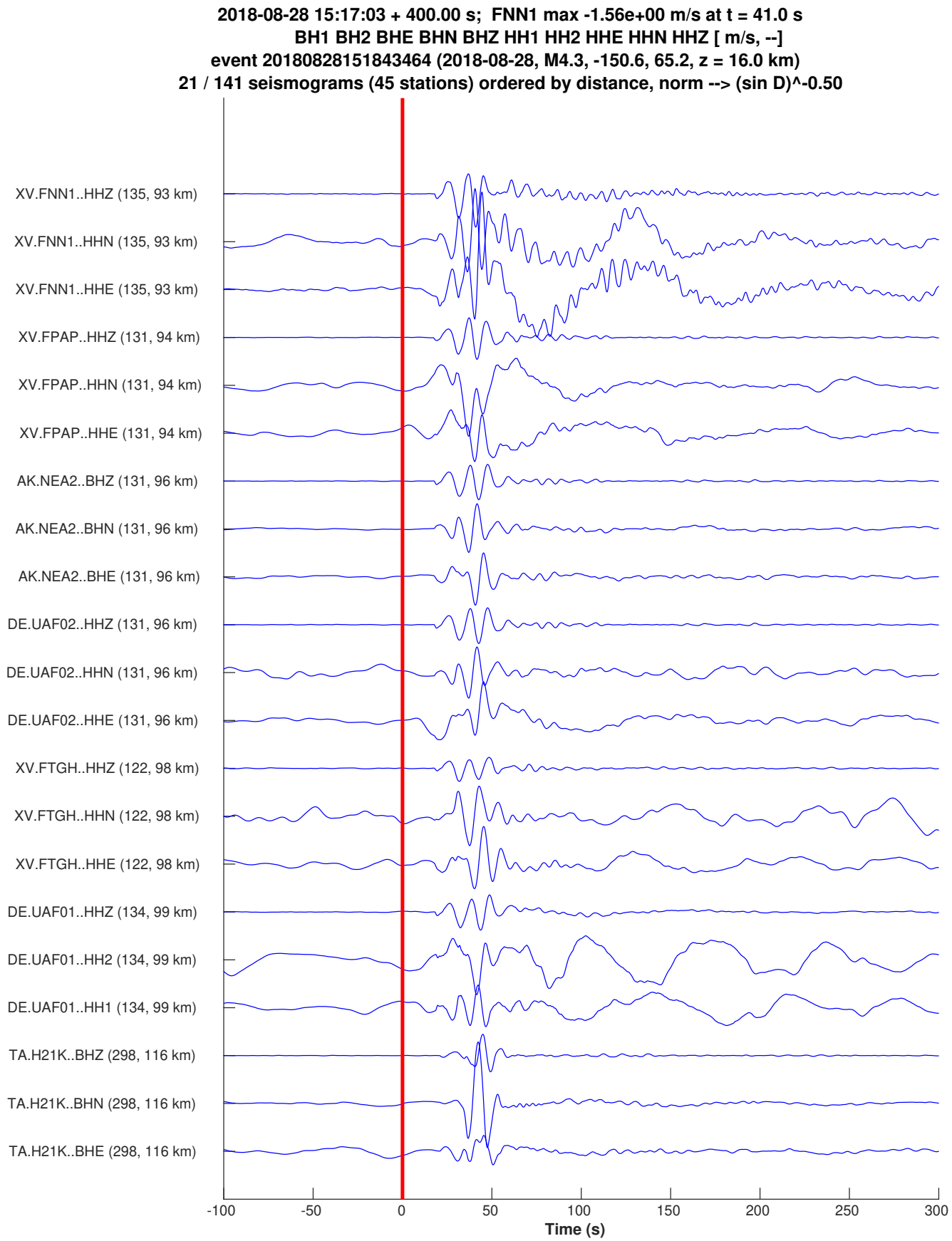


Figure G13, Part 2

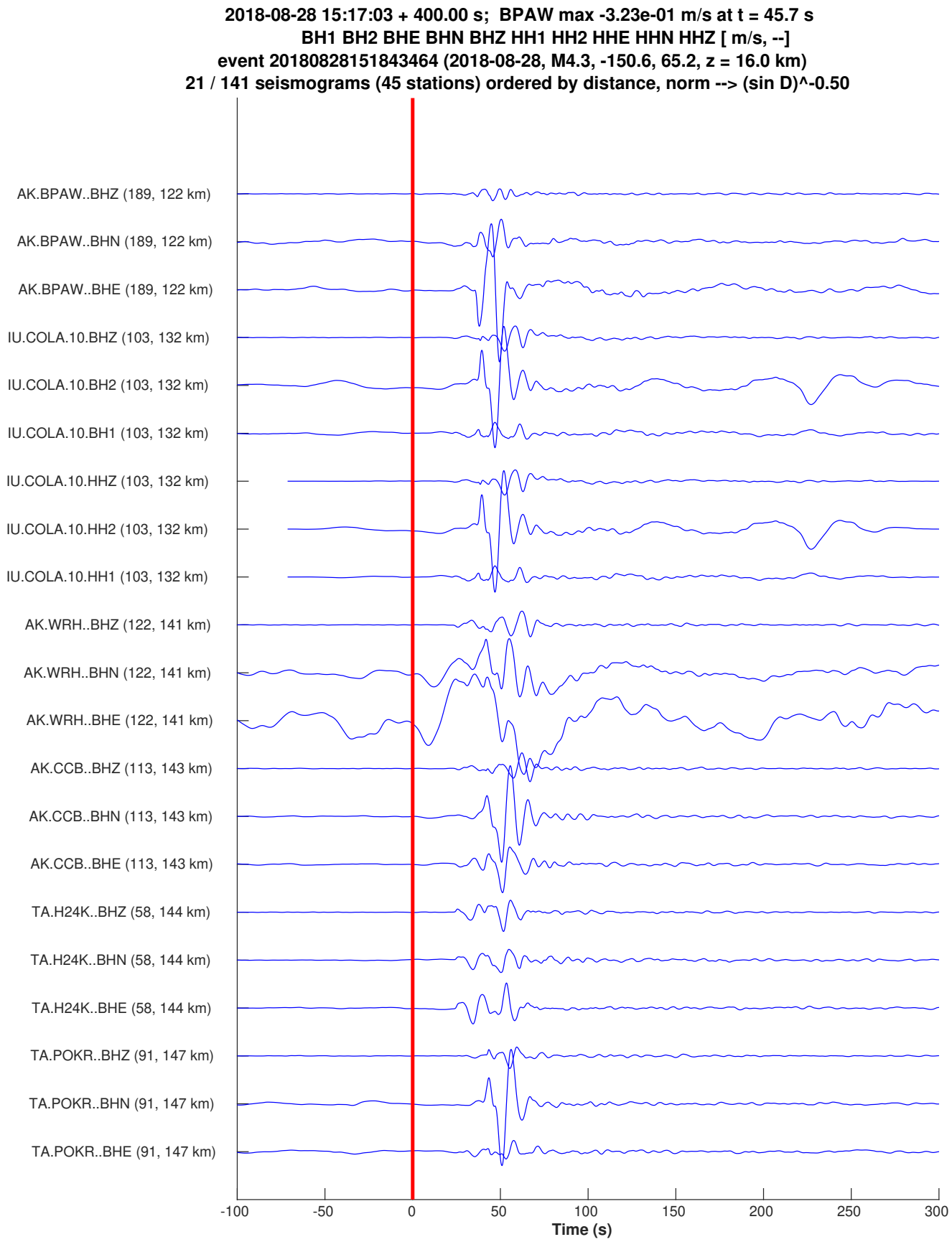


Figure G13, Part 3

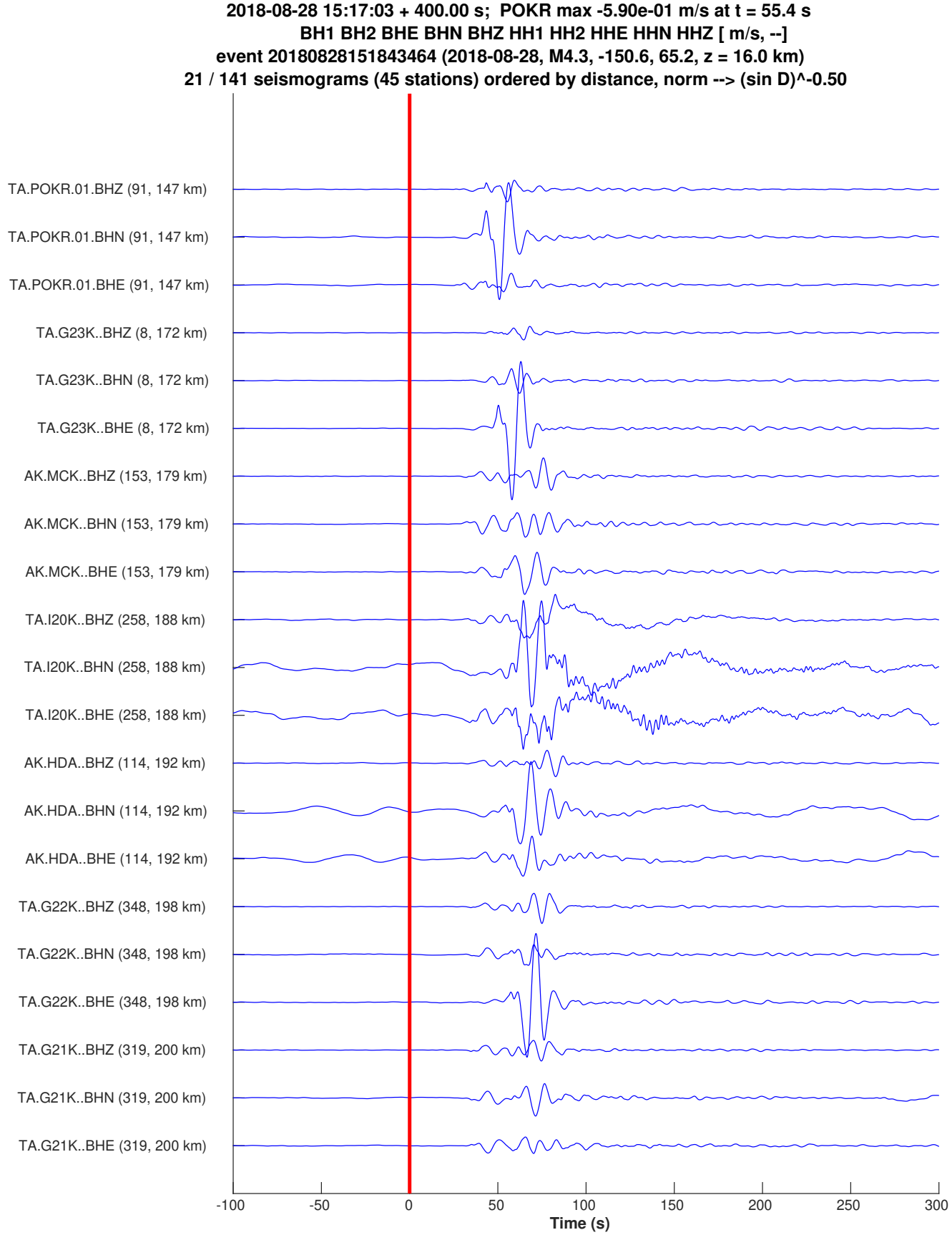


Figure G13, Part 4

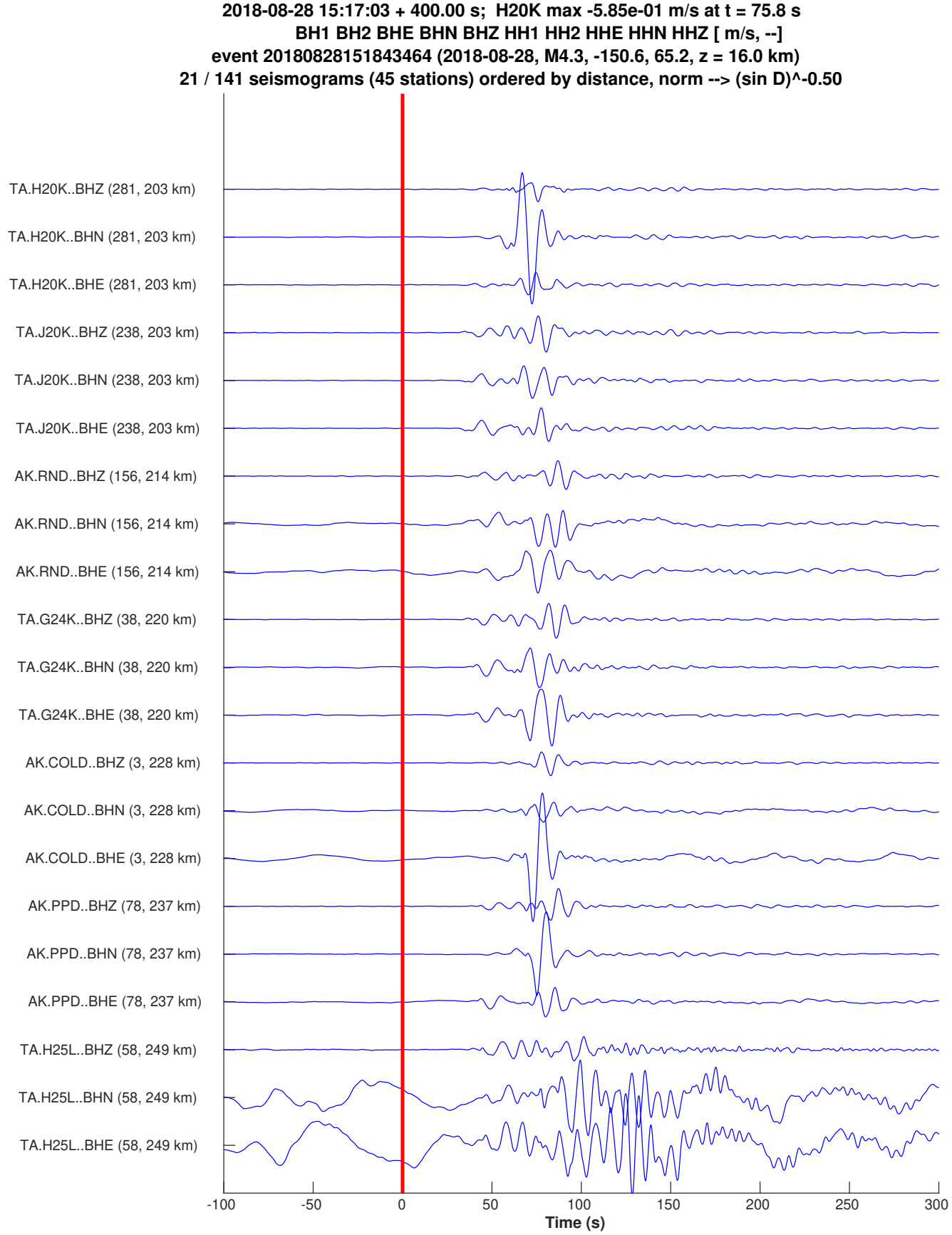


Figure G13, Part 5

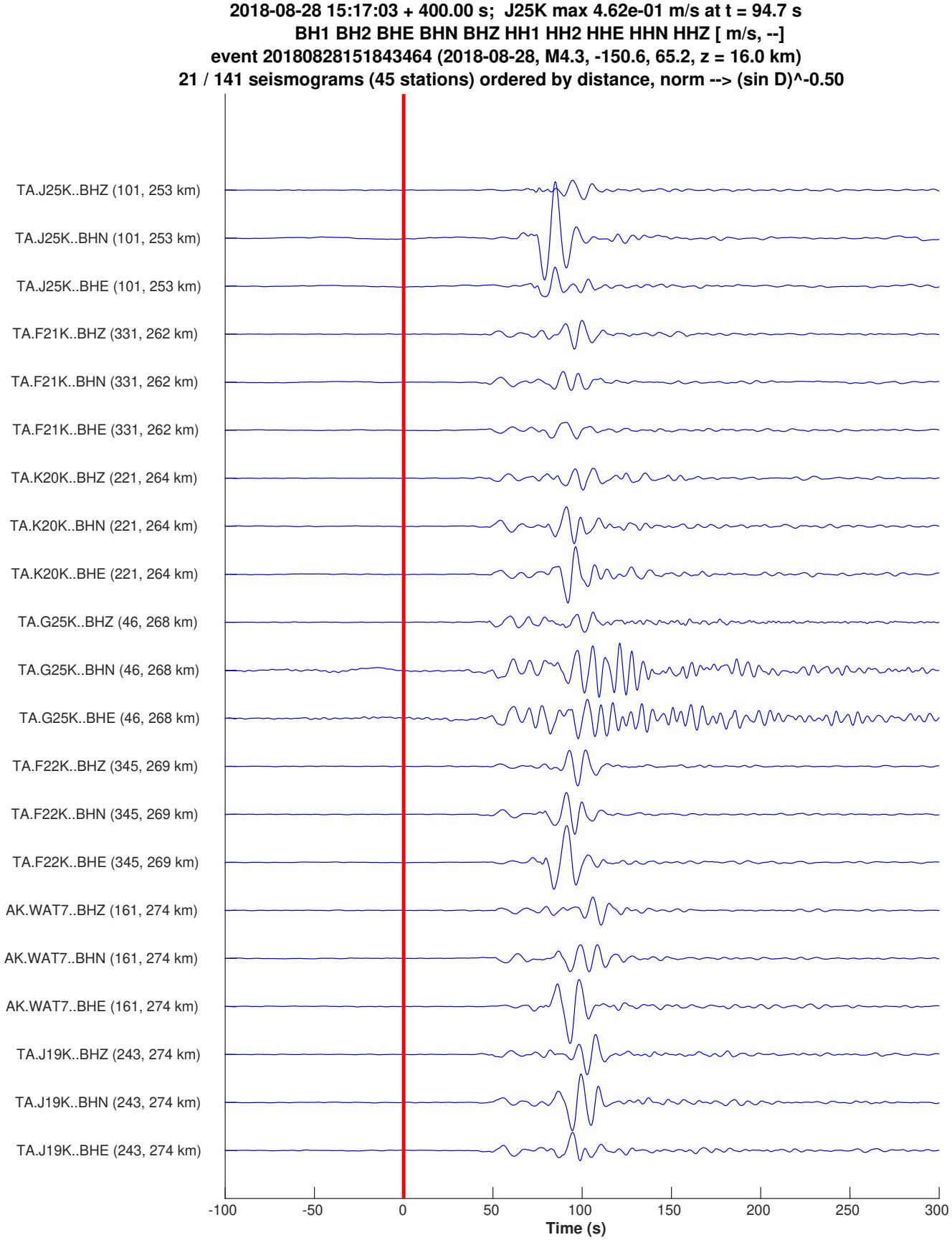


Figure G13, Part 6

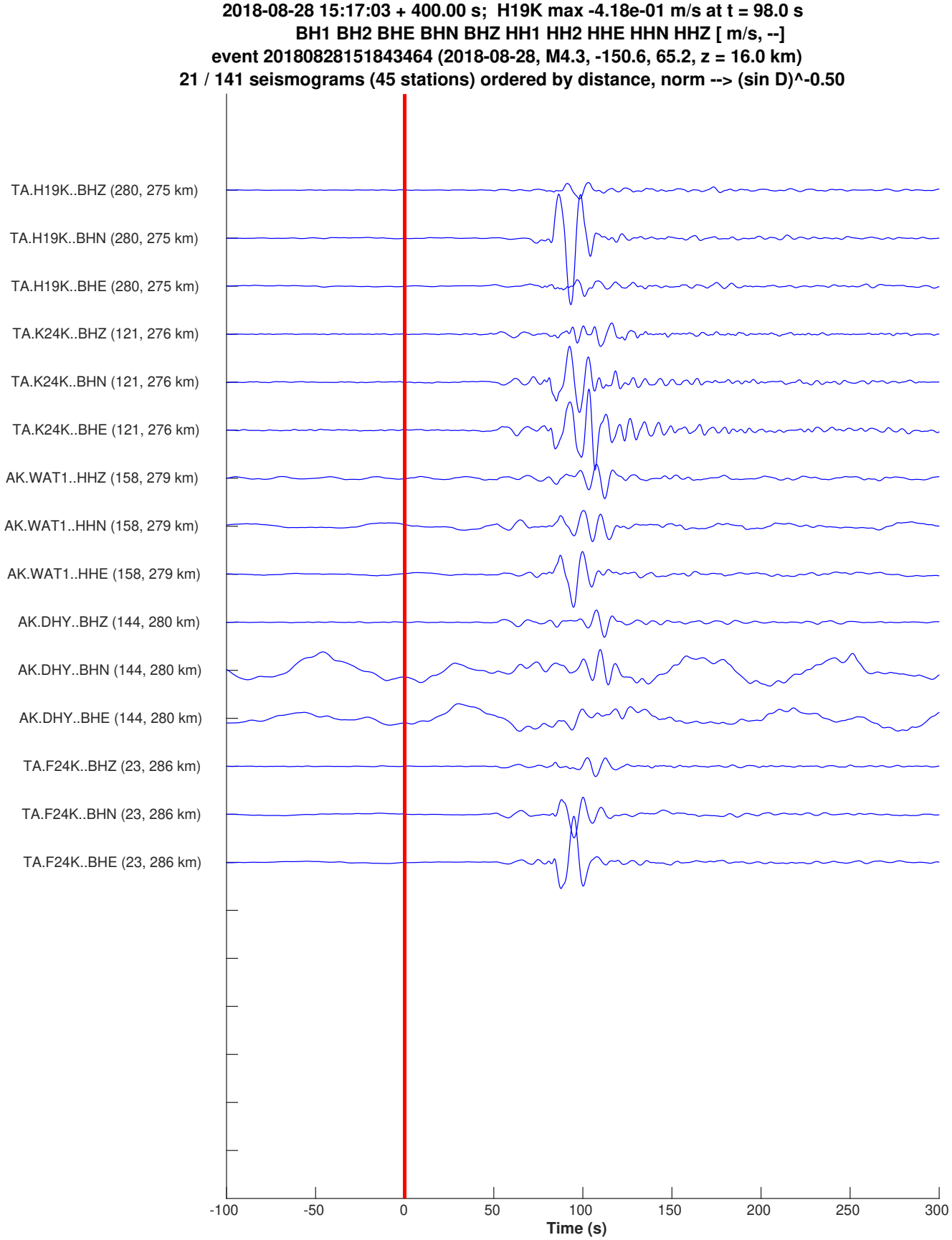


Figure G13, Part 7

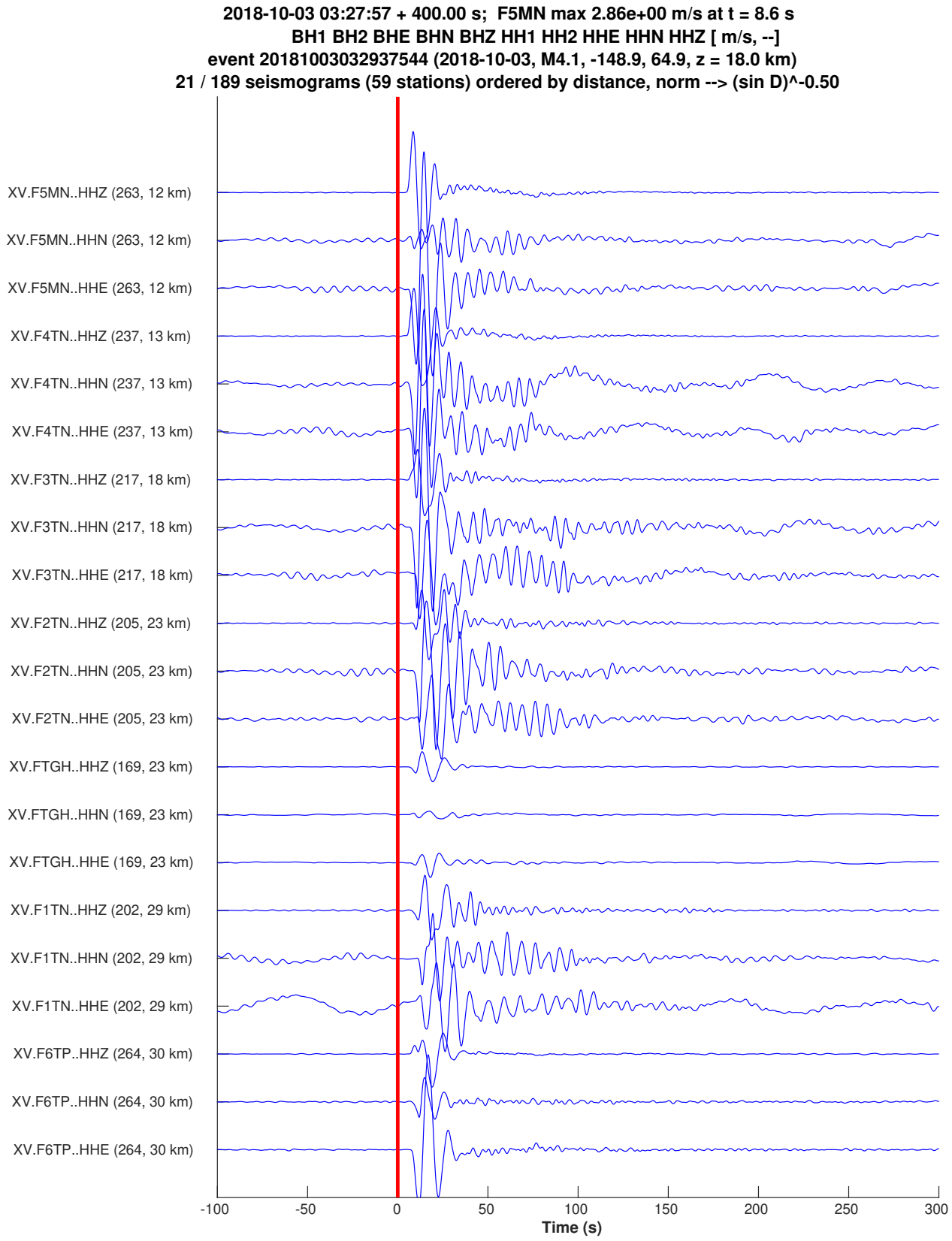


Figure G14: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G14) for the 2018-10-03 $M_{\mathrm{w}}$ 4.1 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

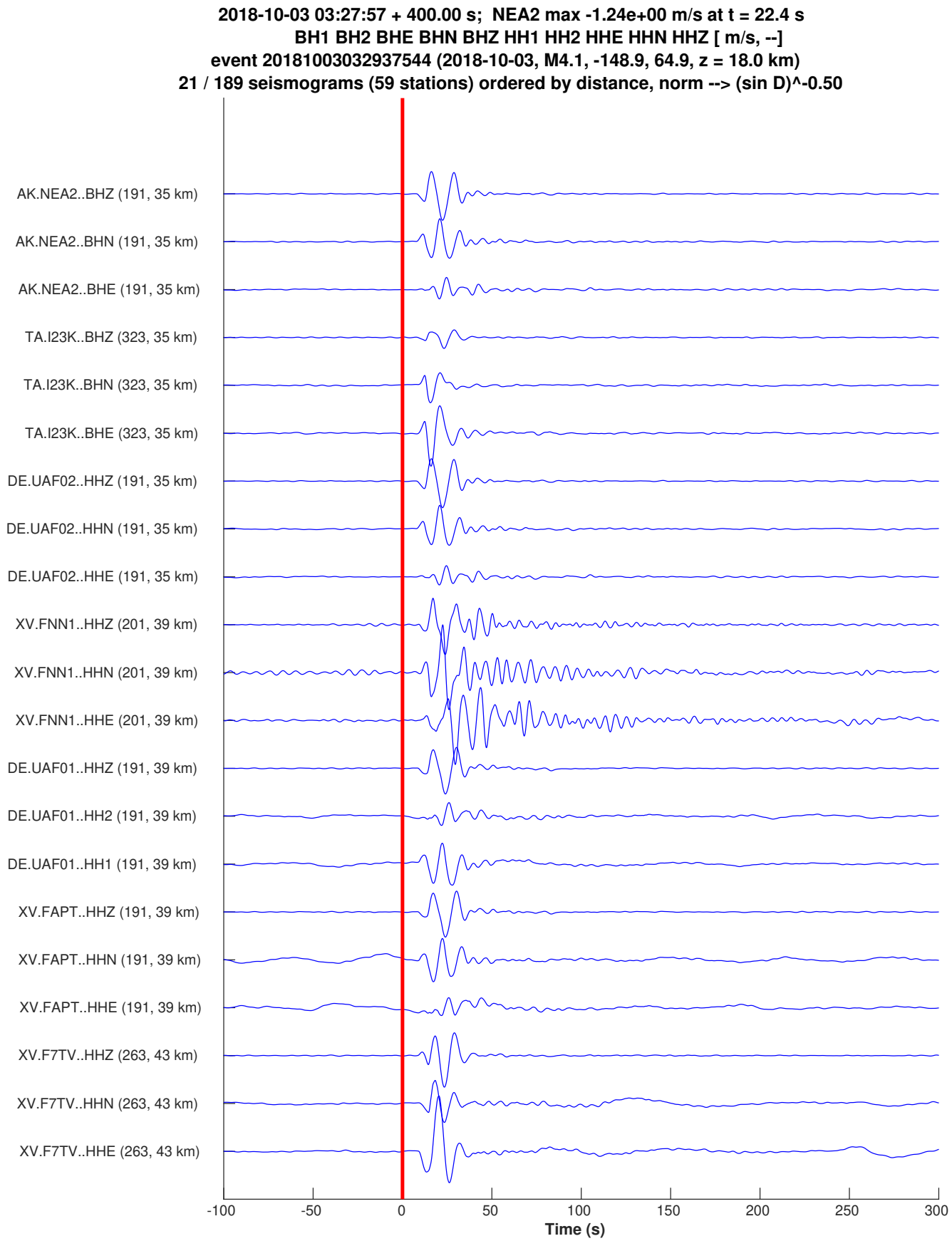


Figure G14, Part 2

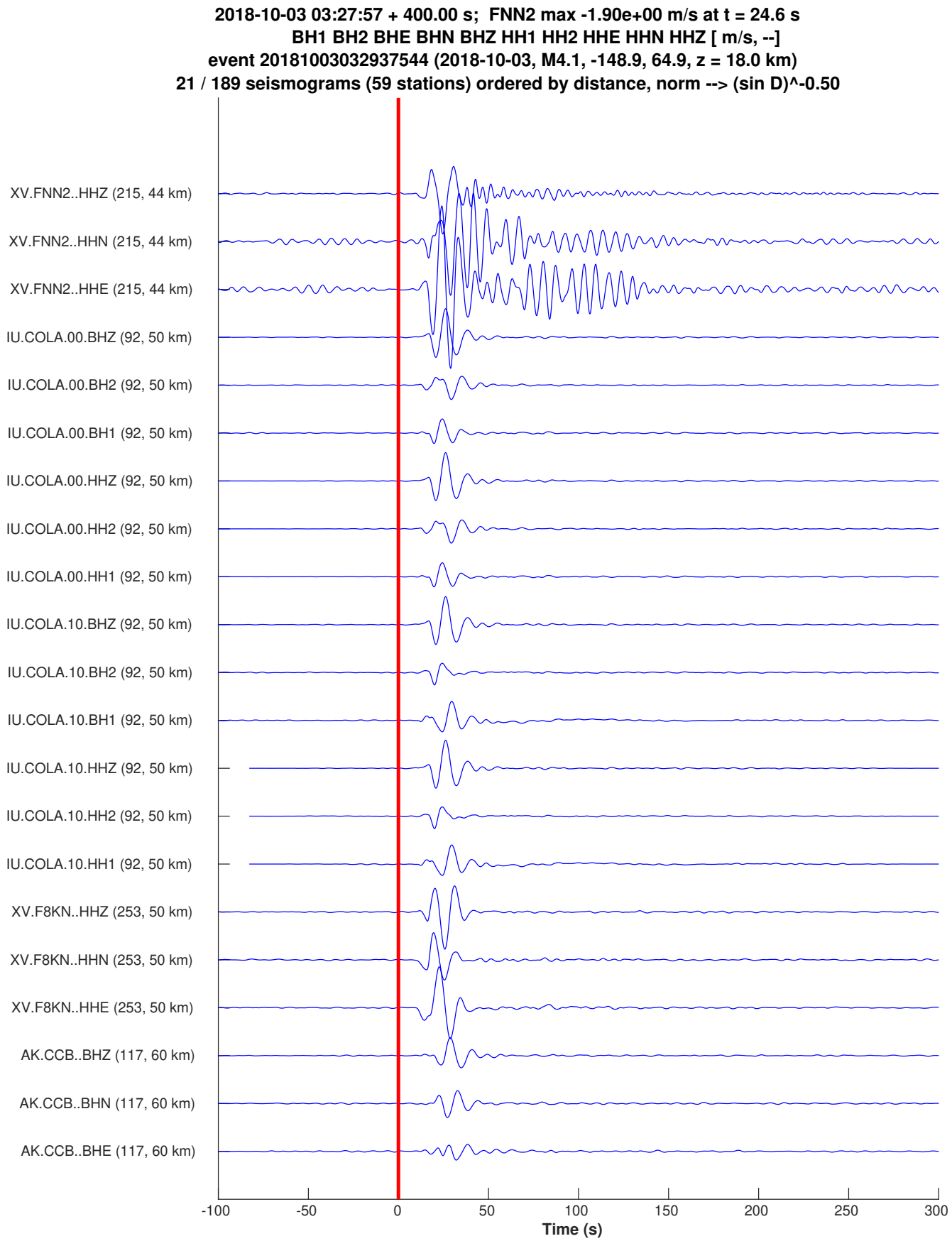


Figure G14, Part 3

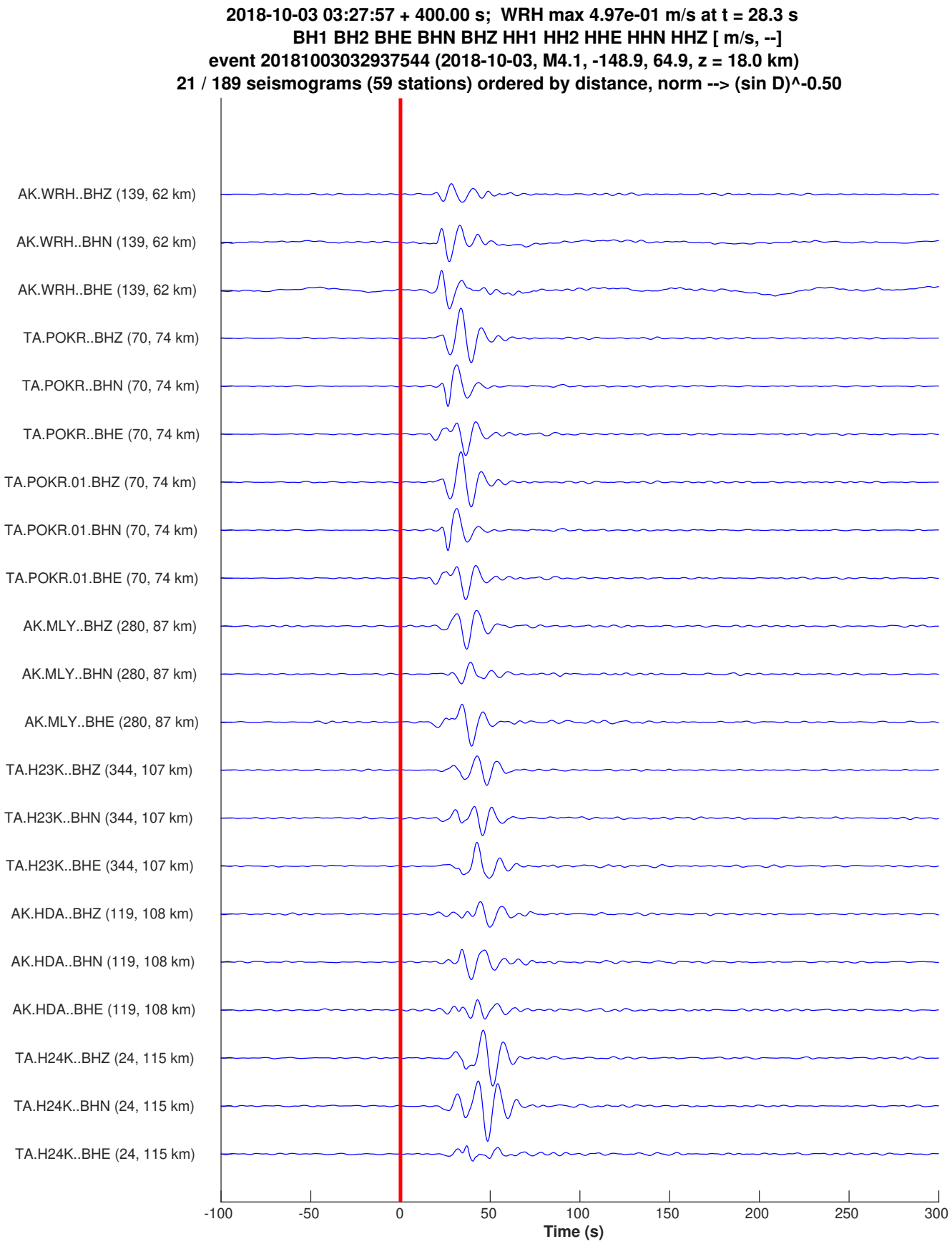


Figure G14, Part 4

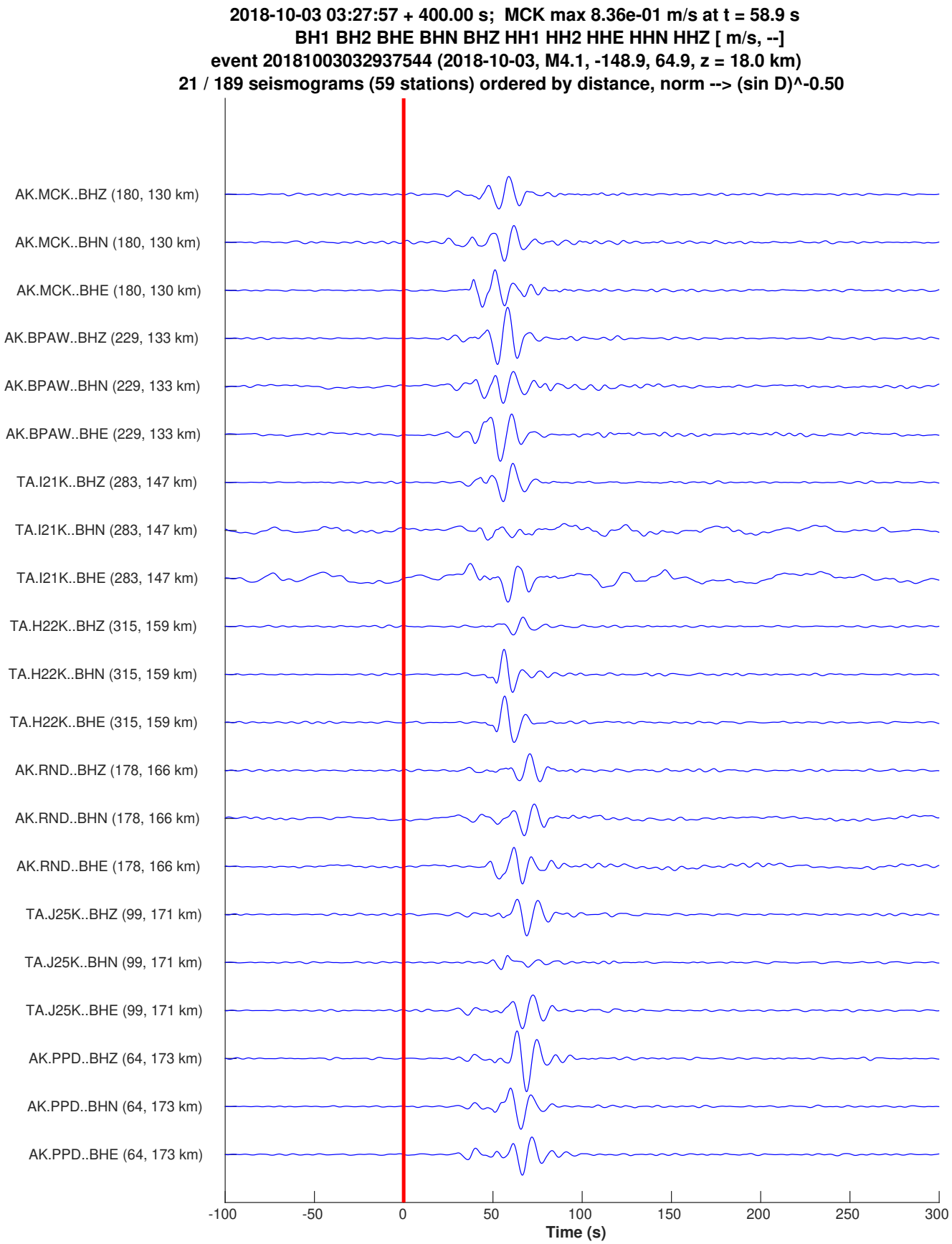


Figure G14, Part 5

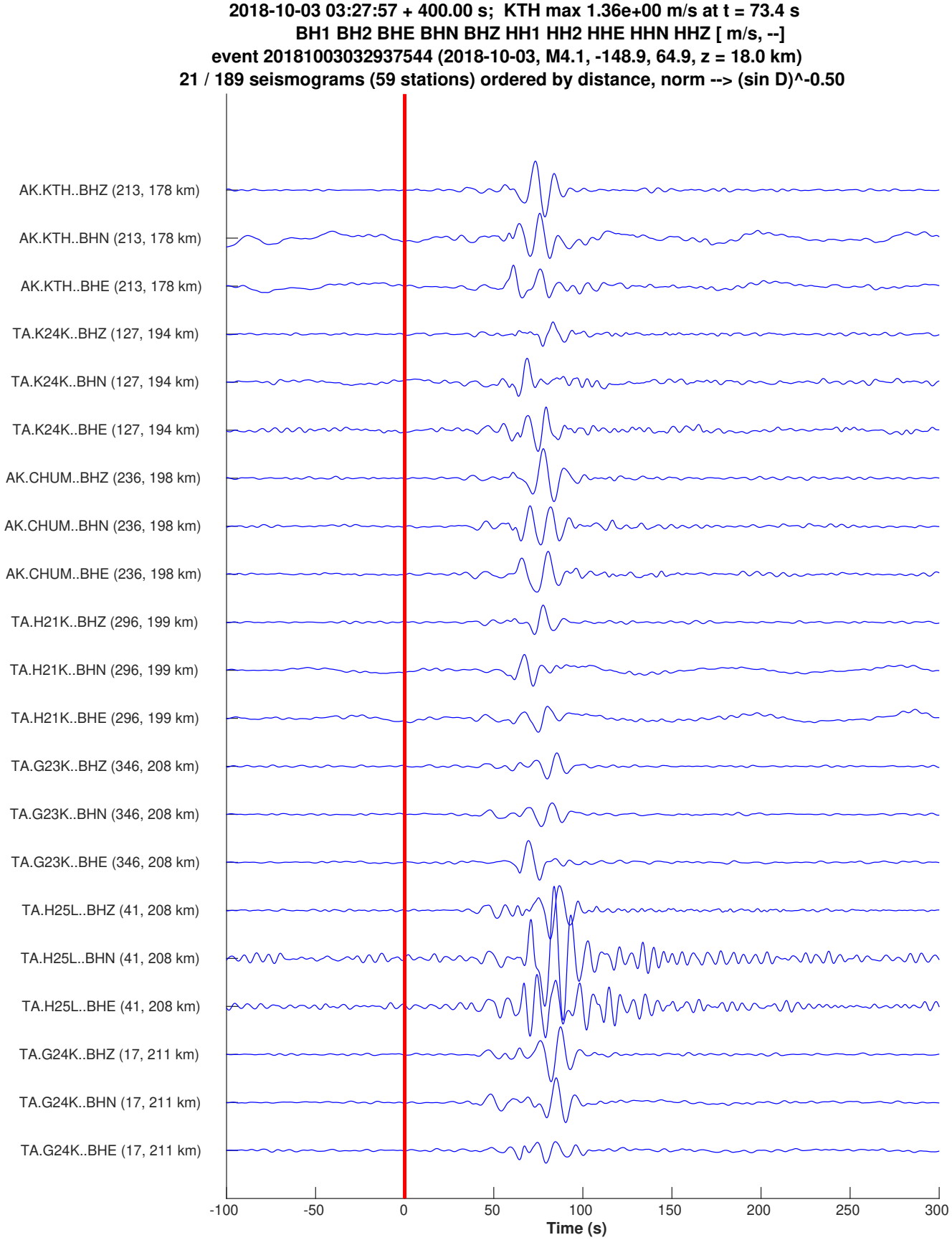


Figure G14, Part 6

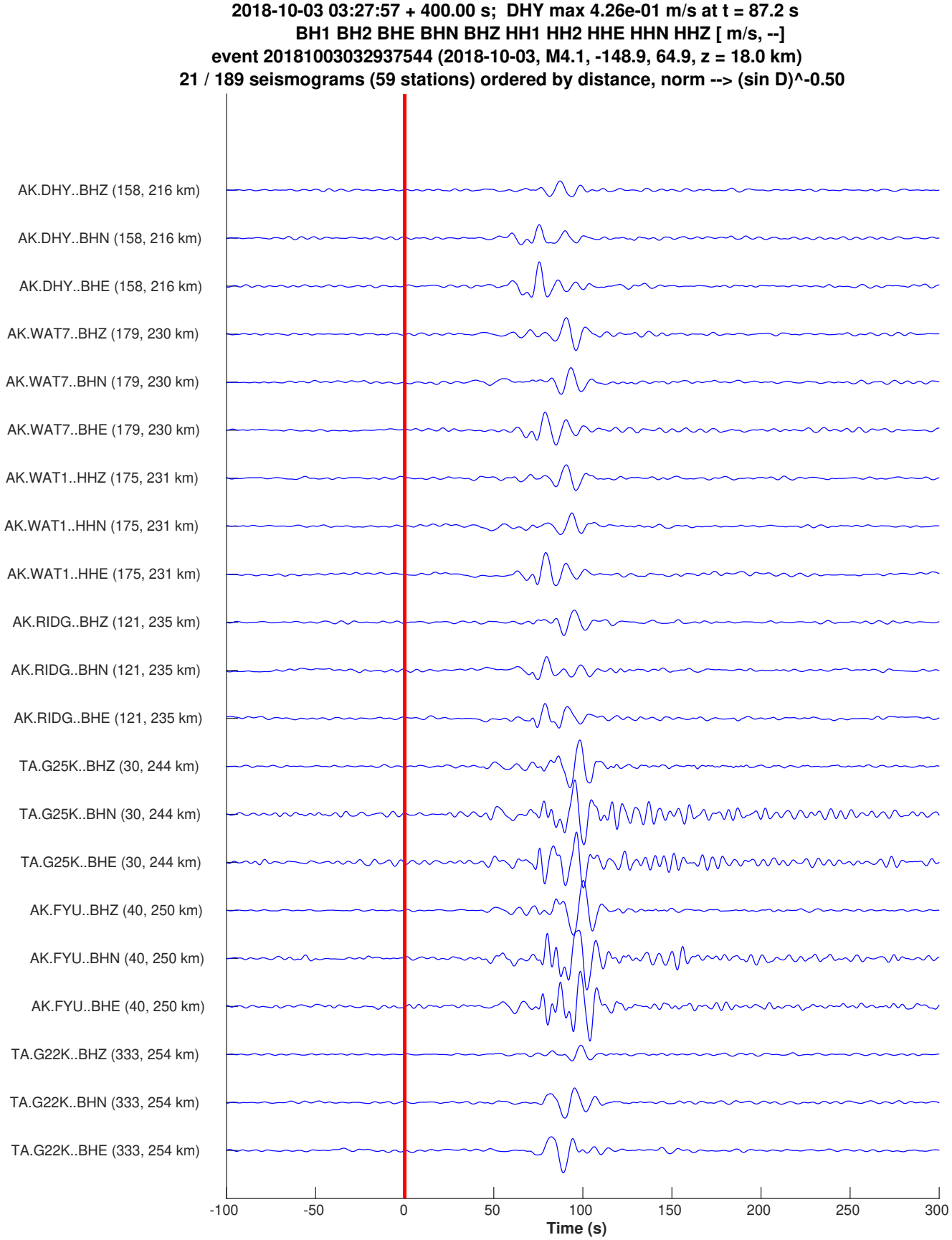


Figure G14, Part 7

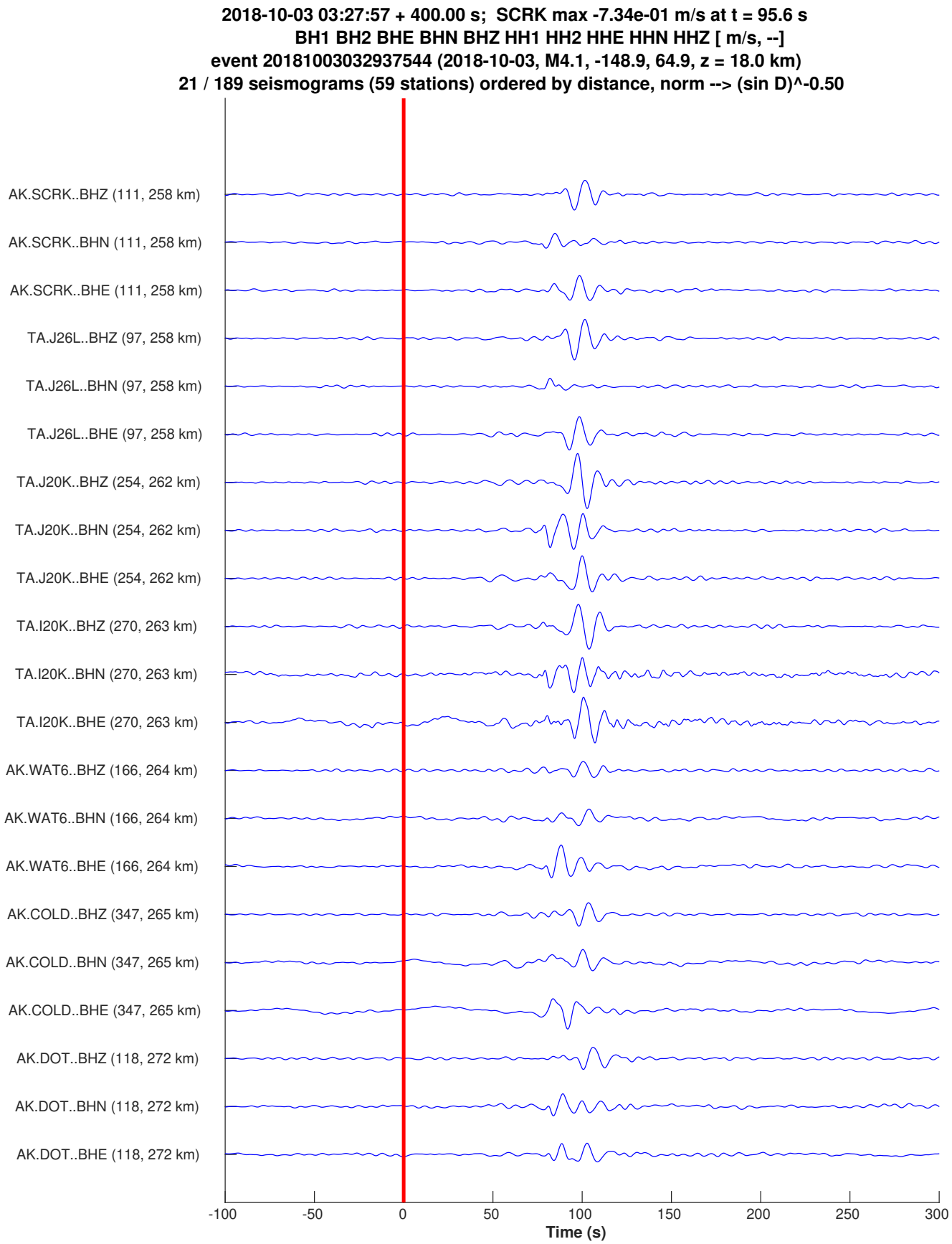


Figure G14, Part 8

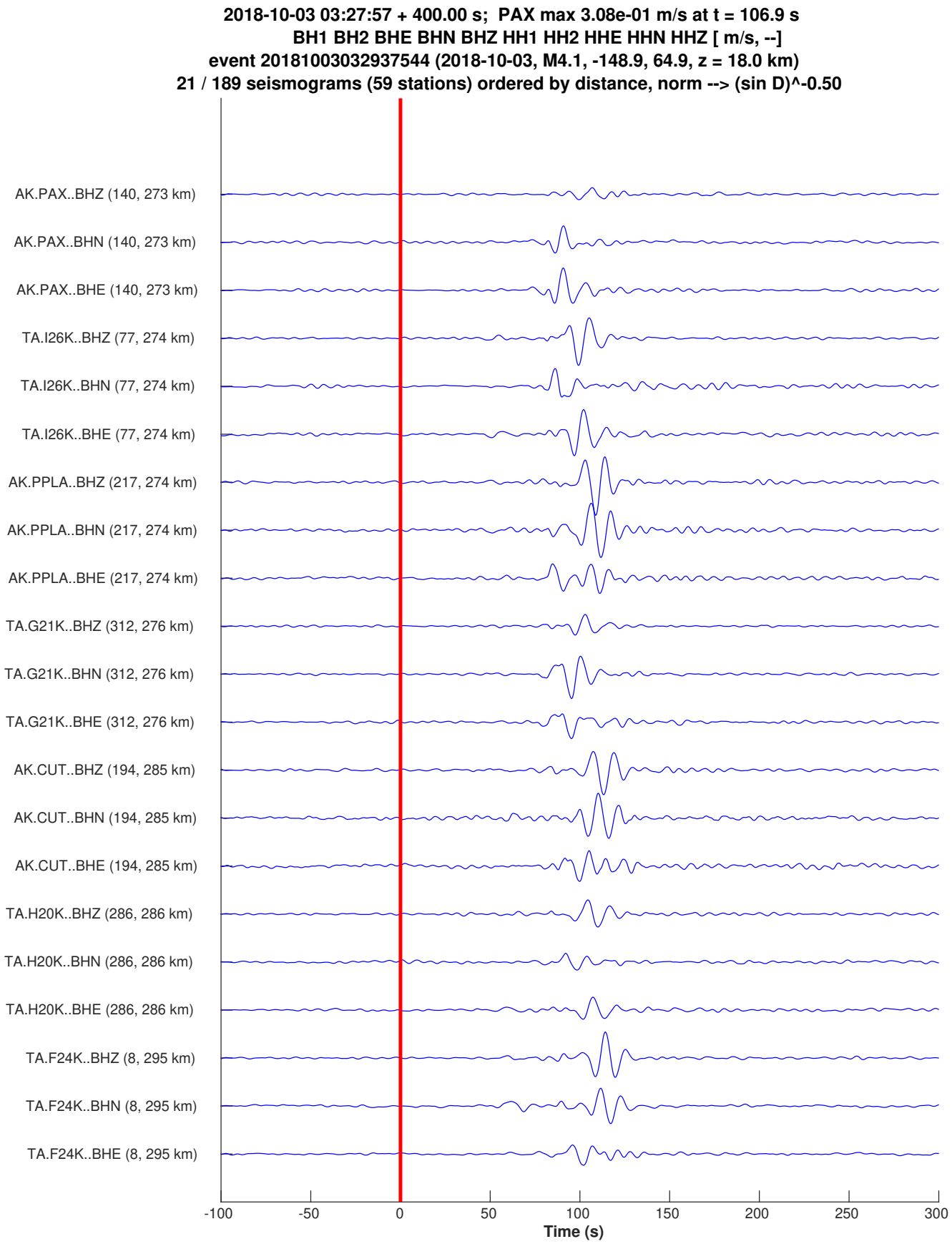


Figure G14, Part 9

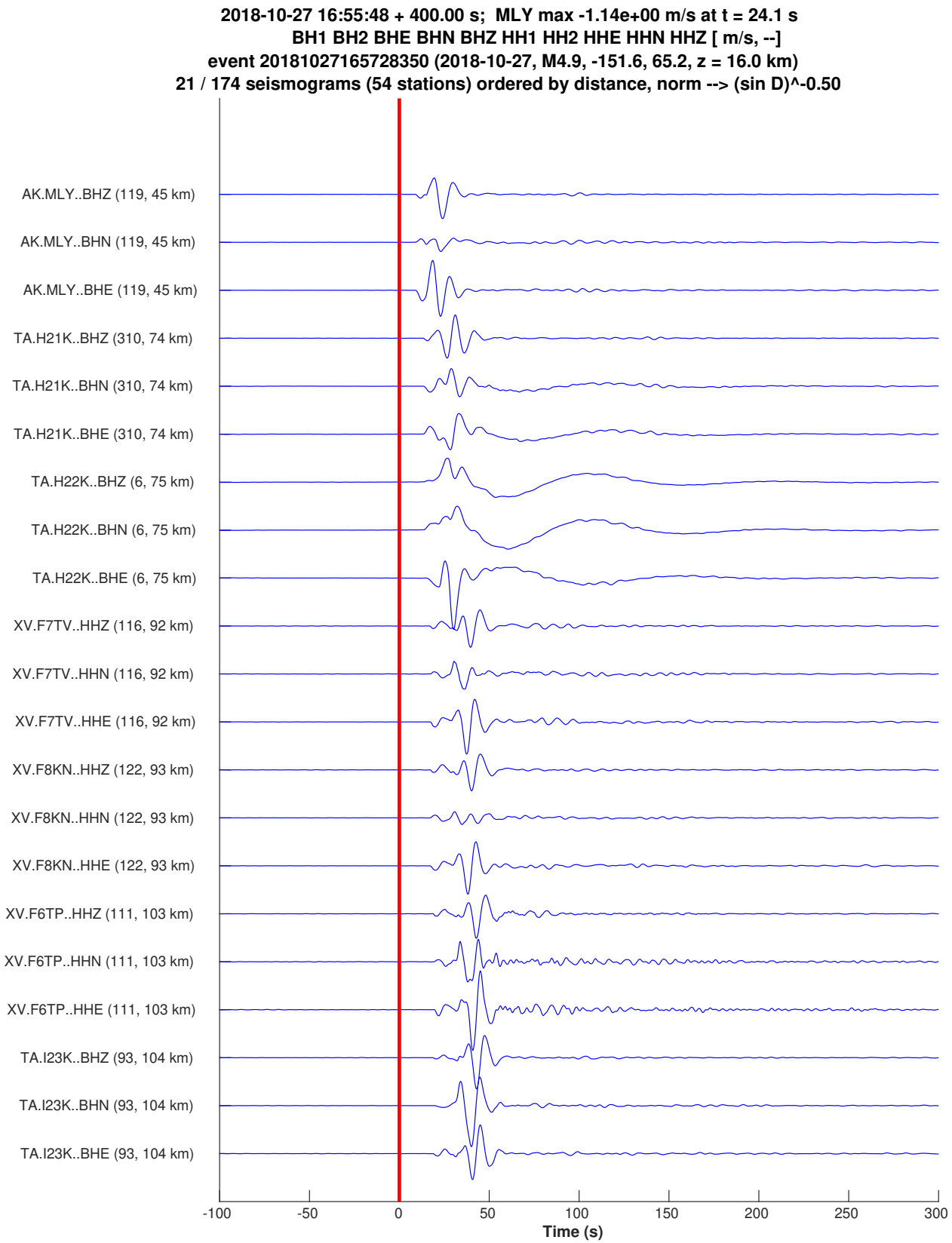


Figure G15: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G15) for the 2018-10-27 $M_{\mathrm{w}}$ 4.9 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

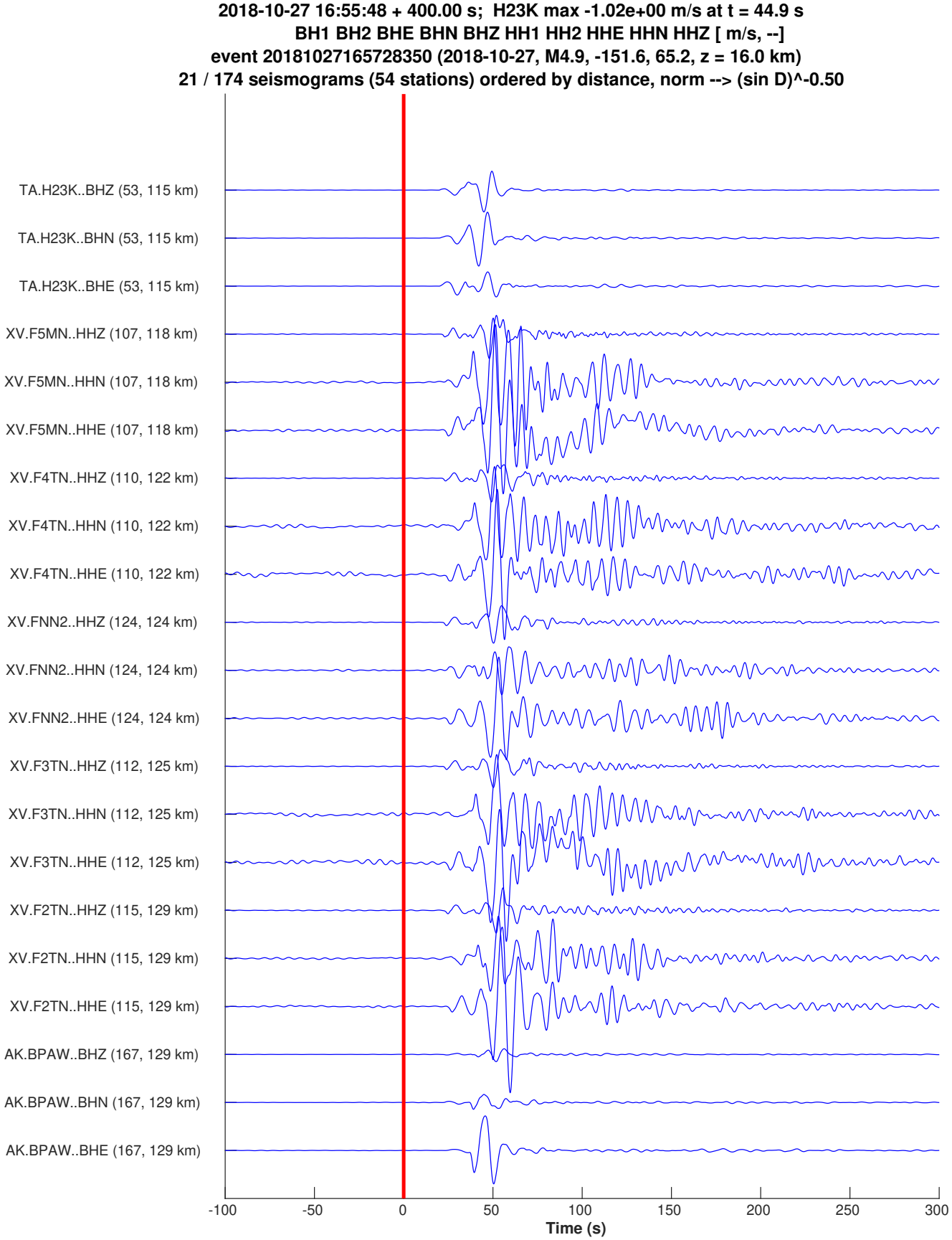


Figure G15, Part 2

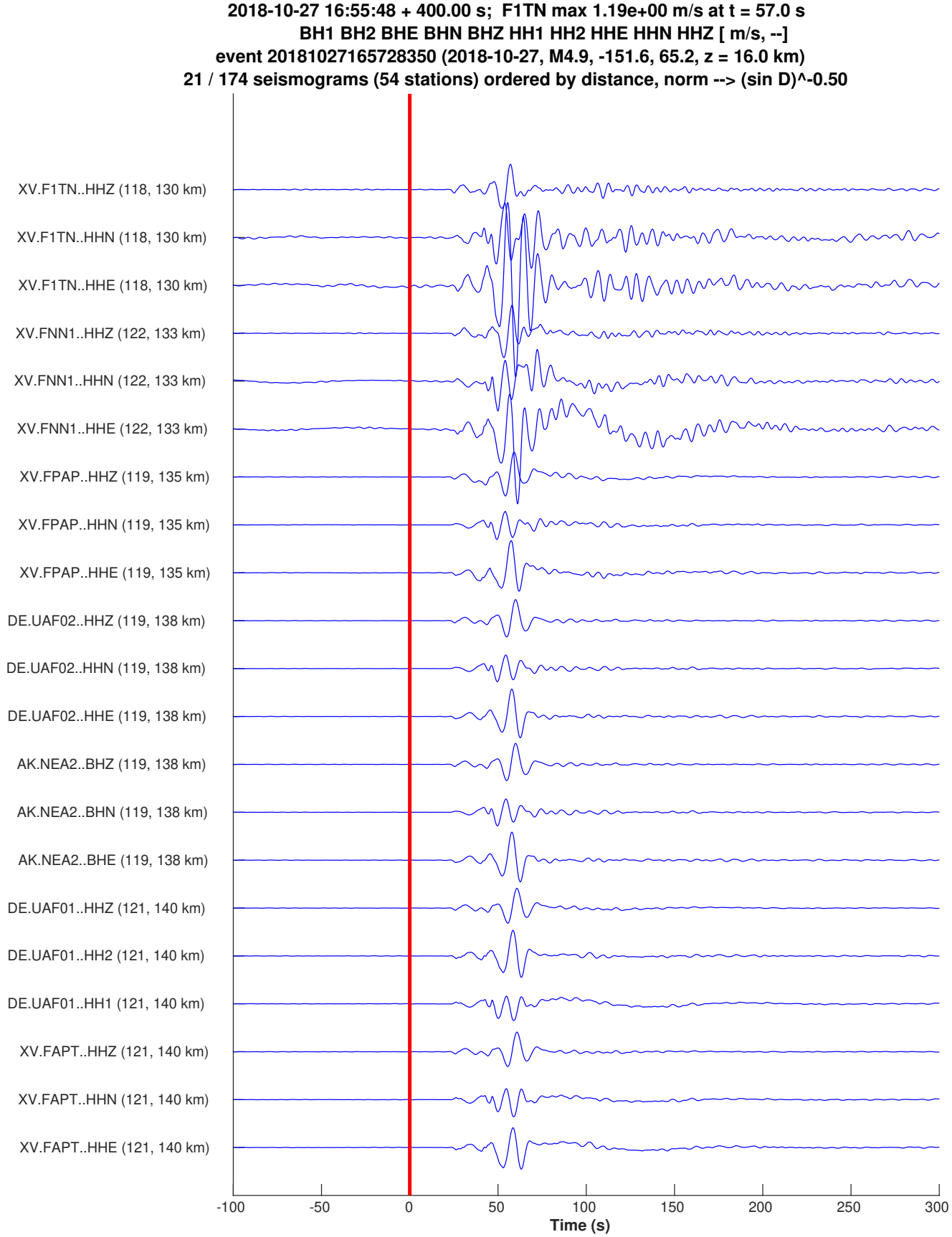


Figure G15, Part 3

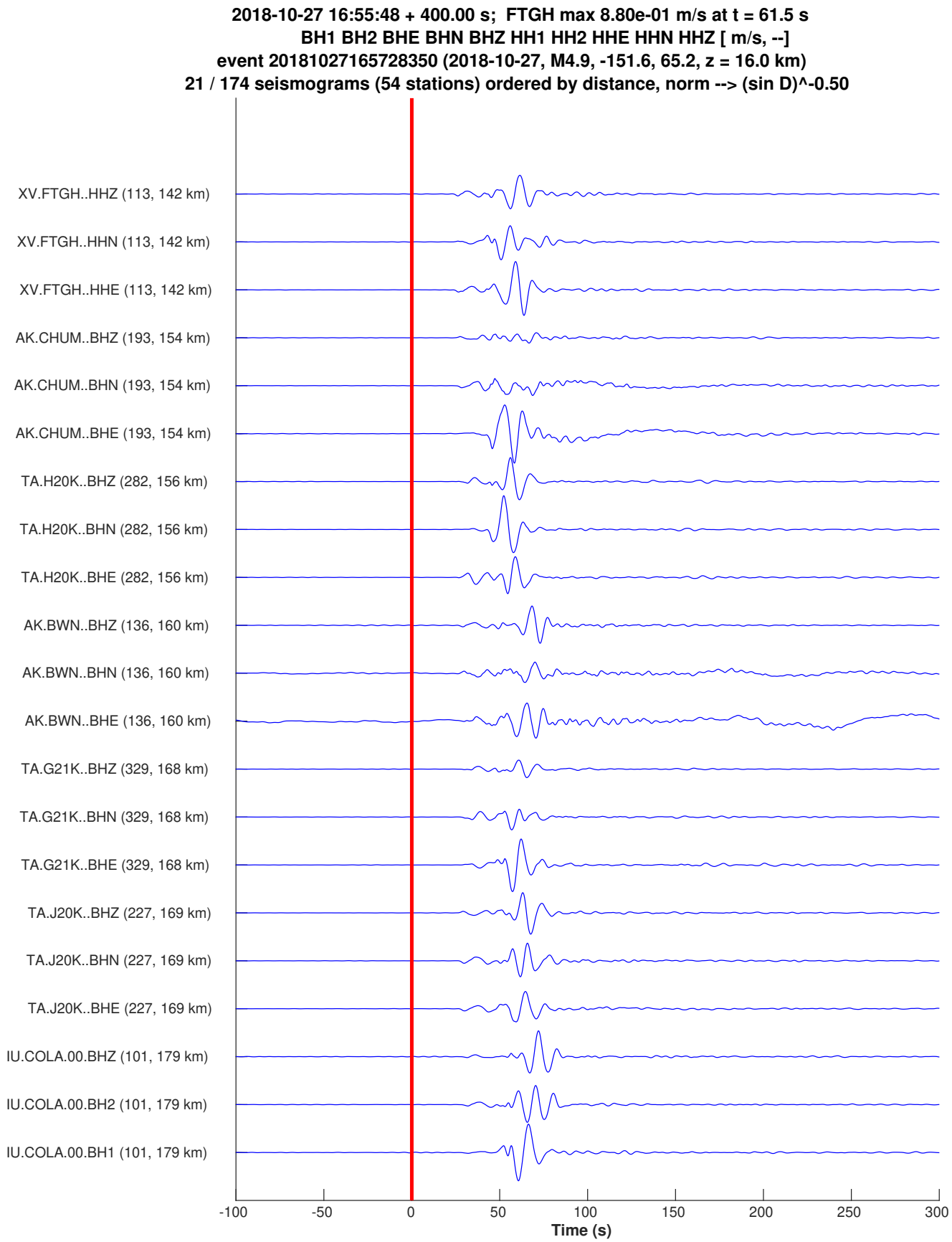


Figure G15, Part 4

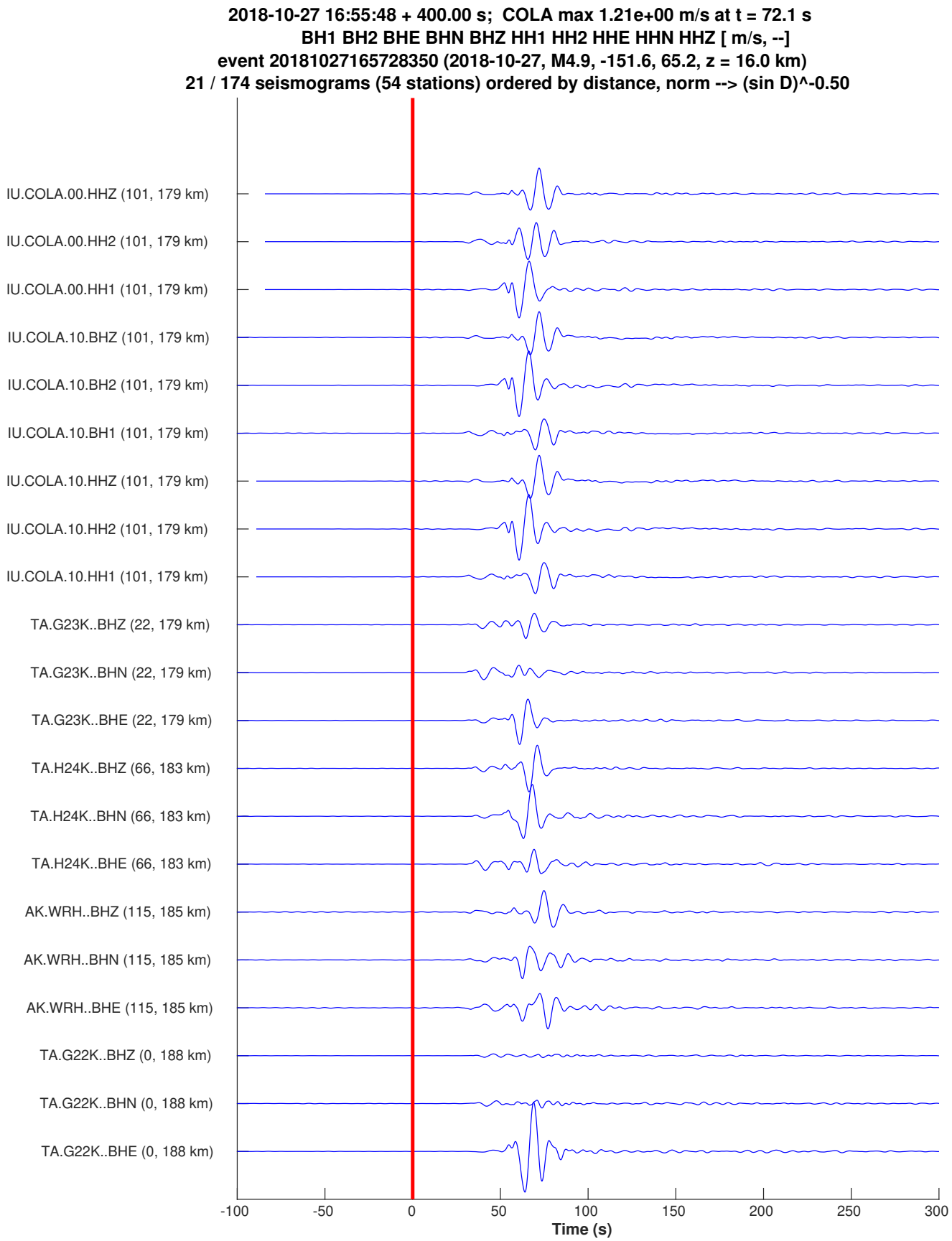


Figure G15, Part 5

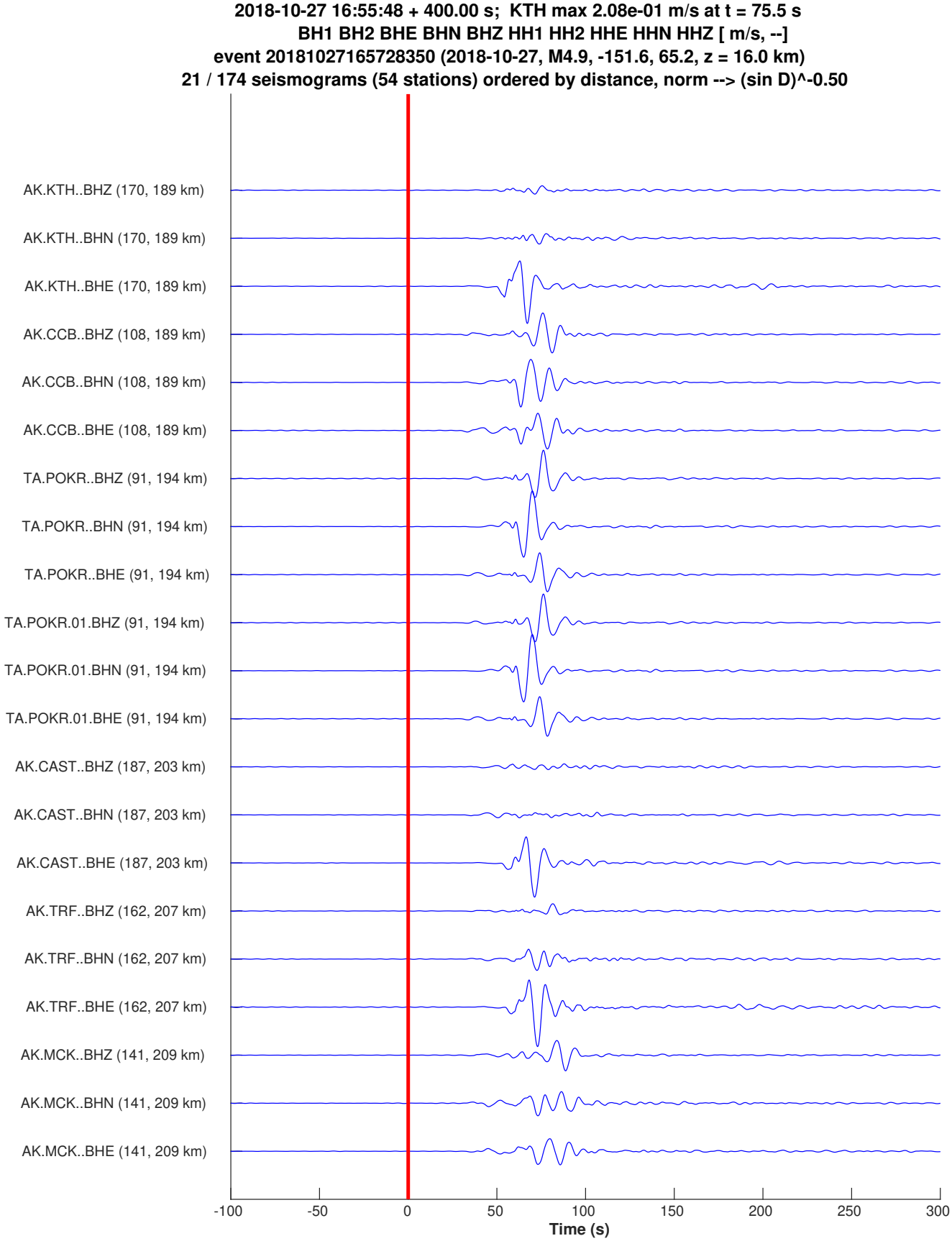


Figure G15, Part 6

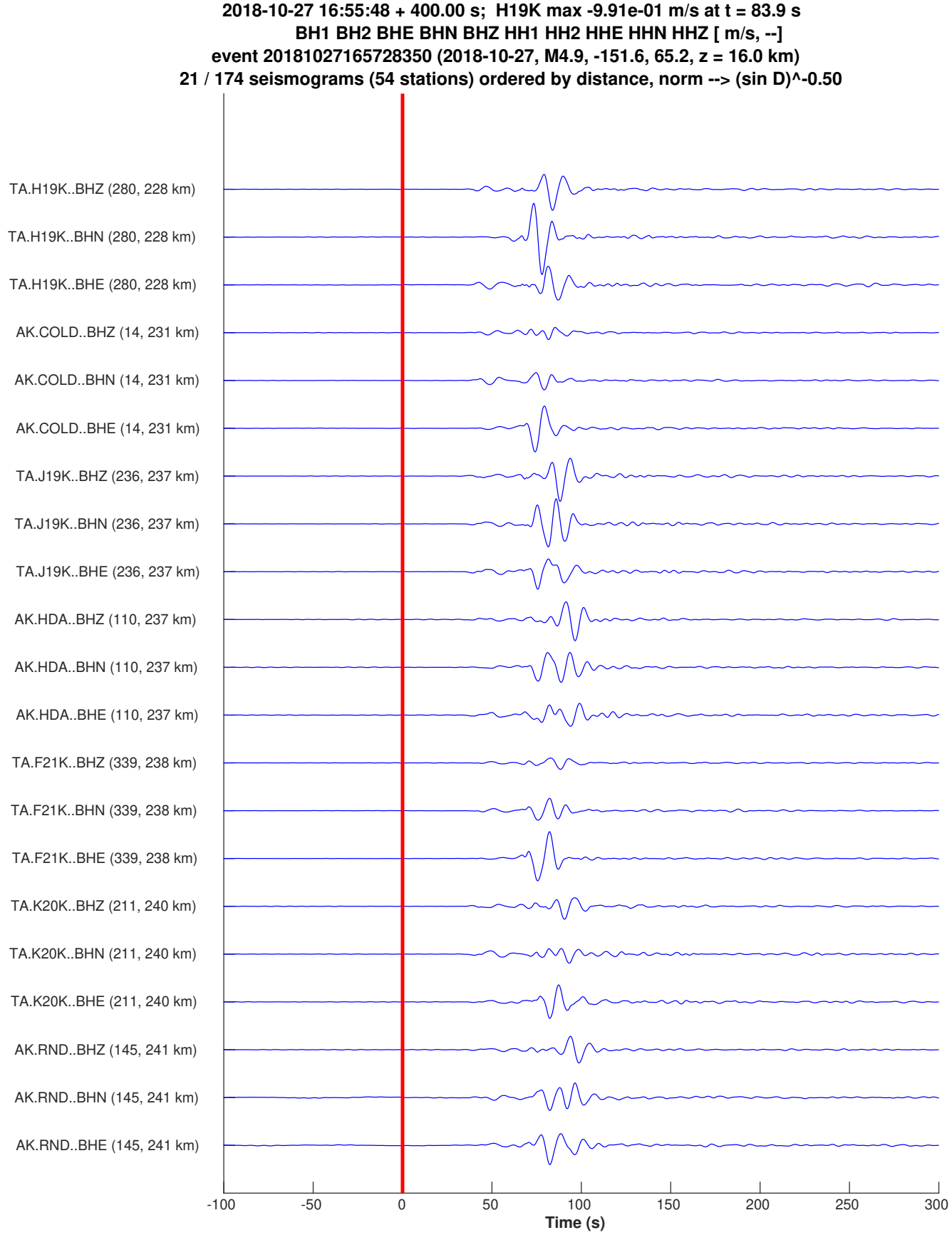


Figure G15, Part 7

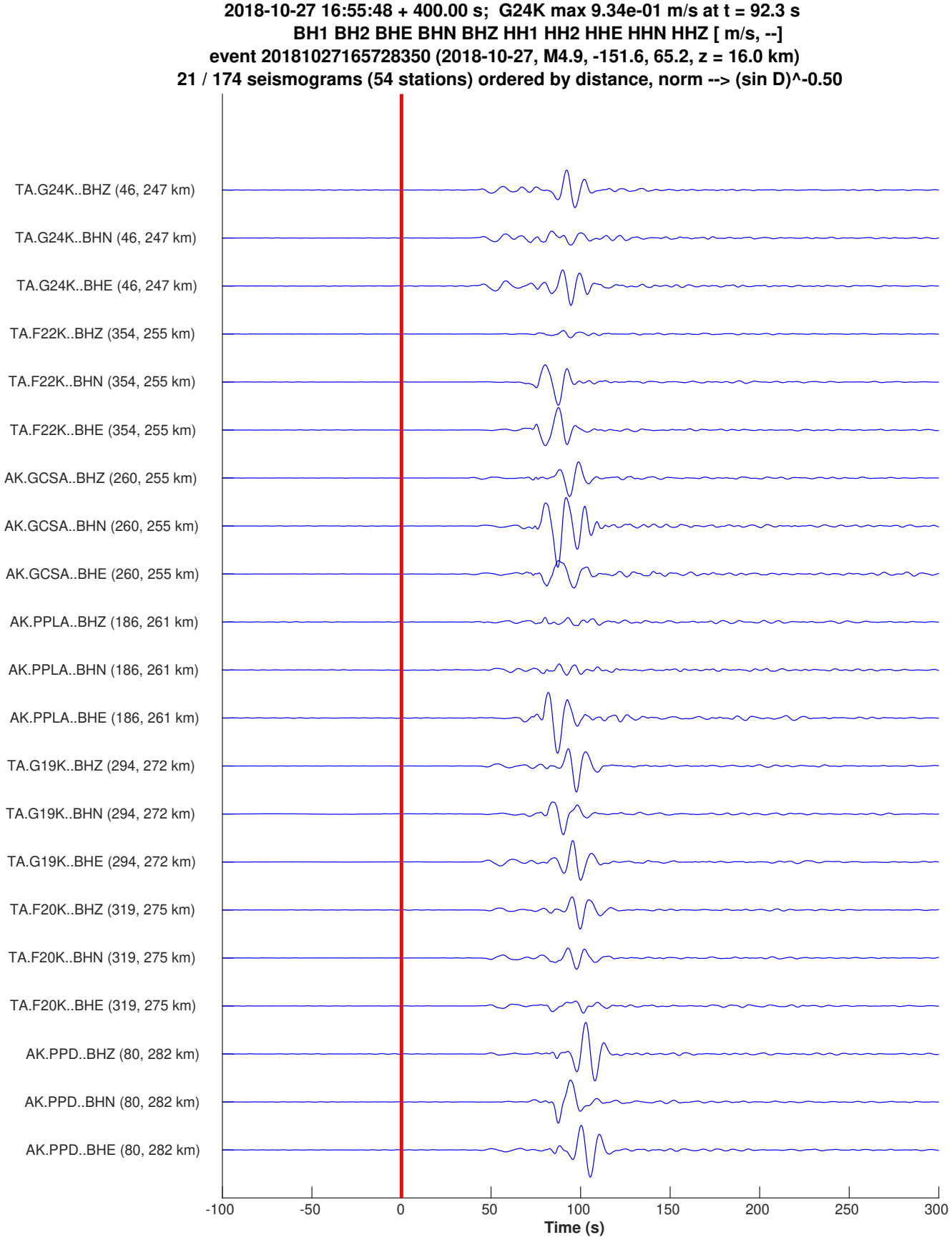


Figure G15, Part 8

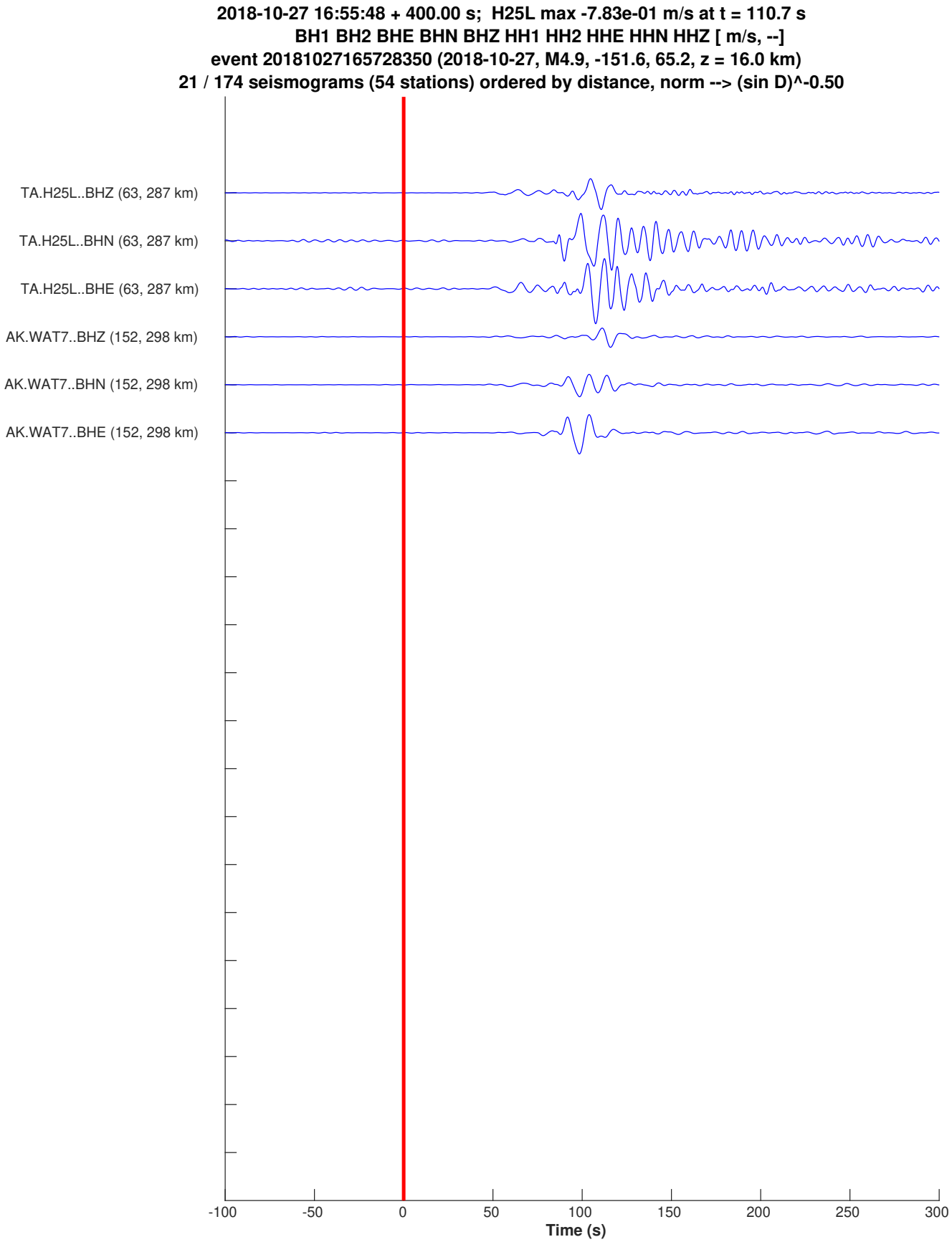


Figure G15, Part 9

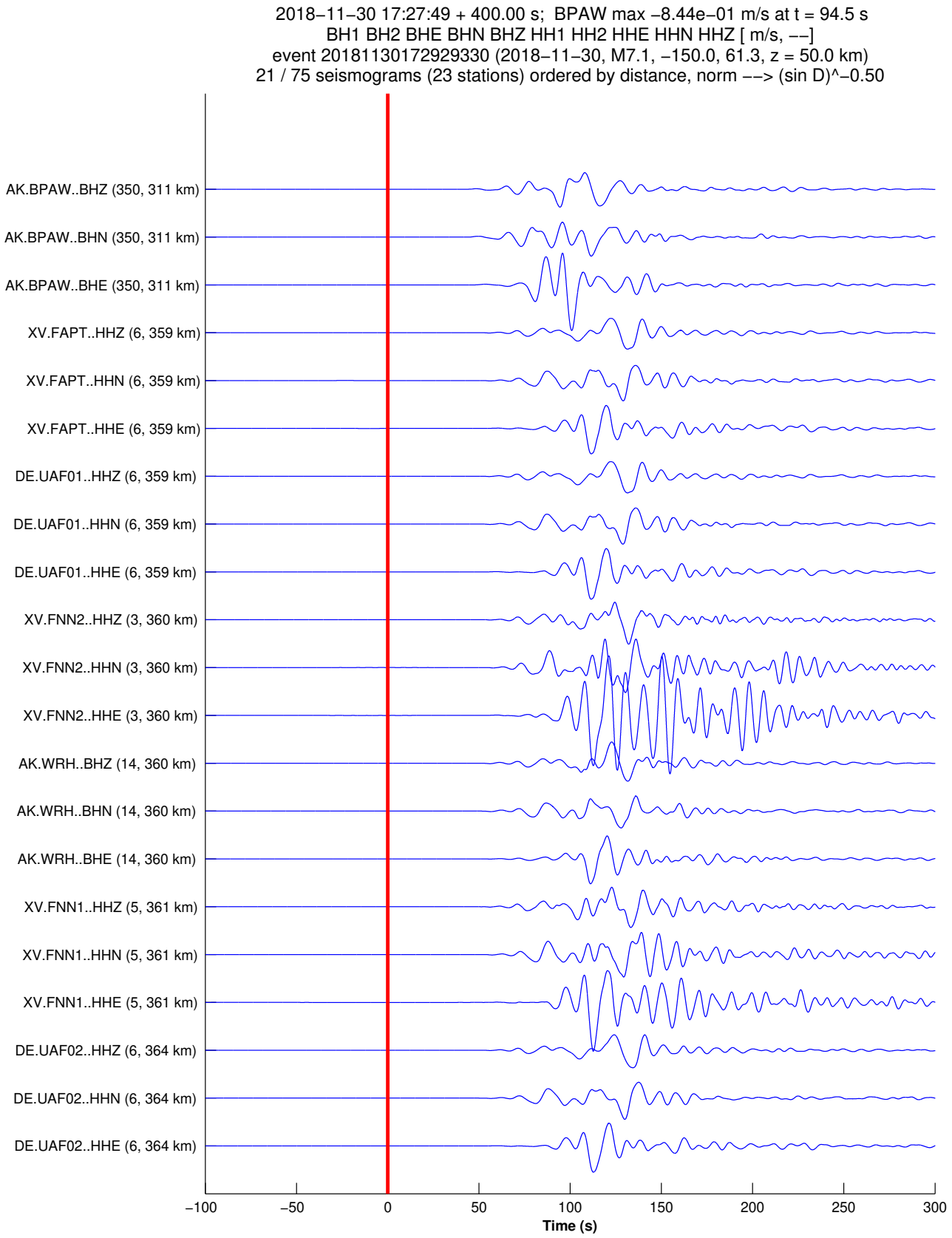


Figure G16: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G16) for the 2018-11-30 $M_{\mathrm{w}}$ 7.1 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

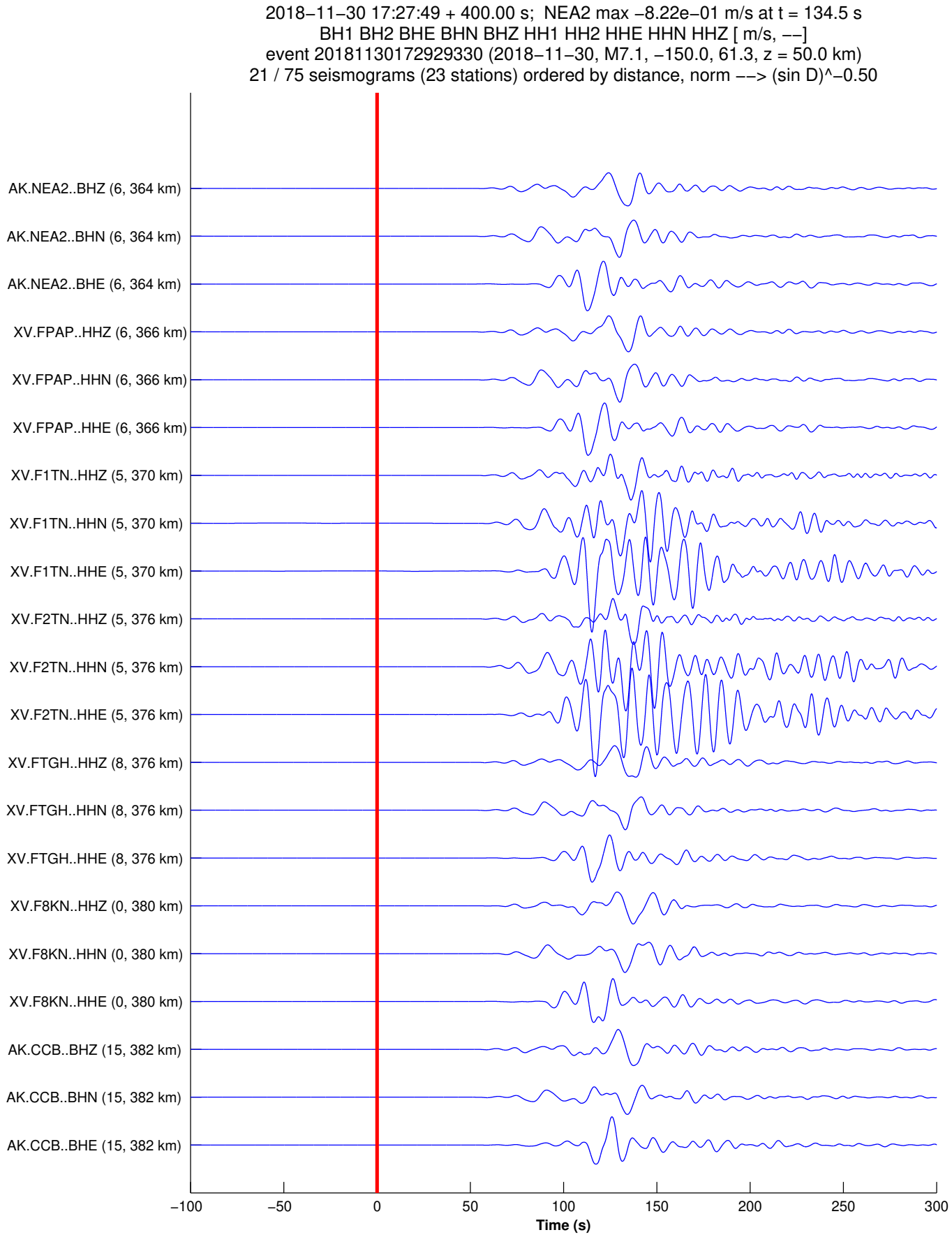


Figure G16, Part 2

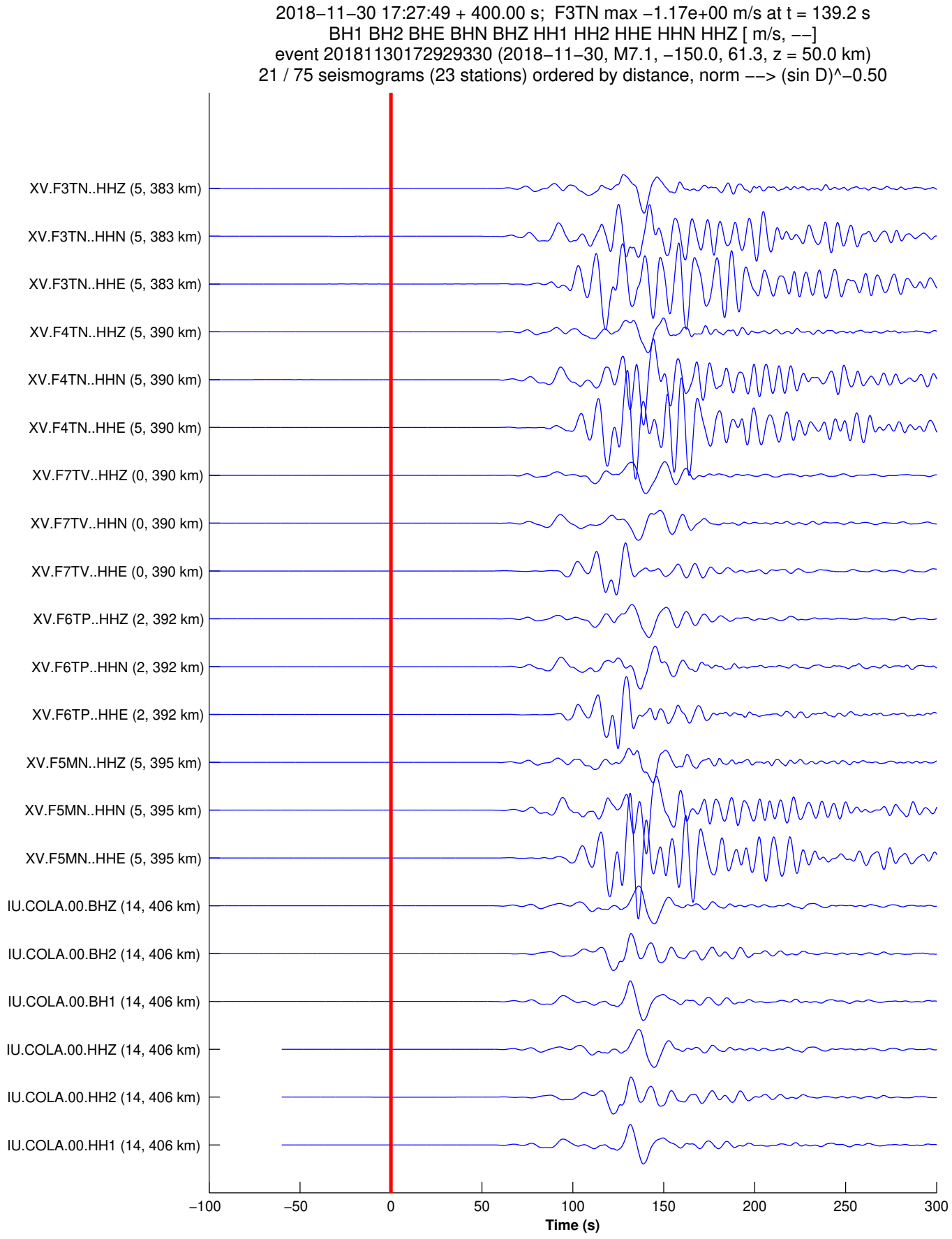


Figure G16, Part 3

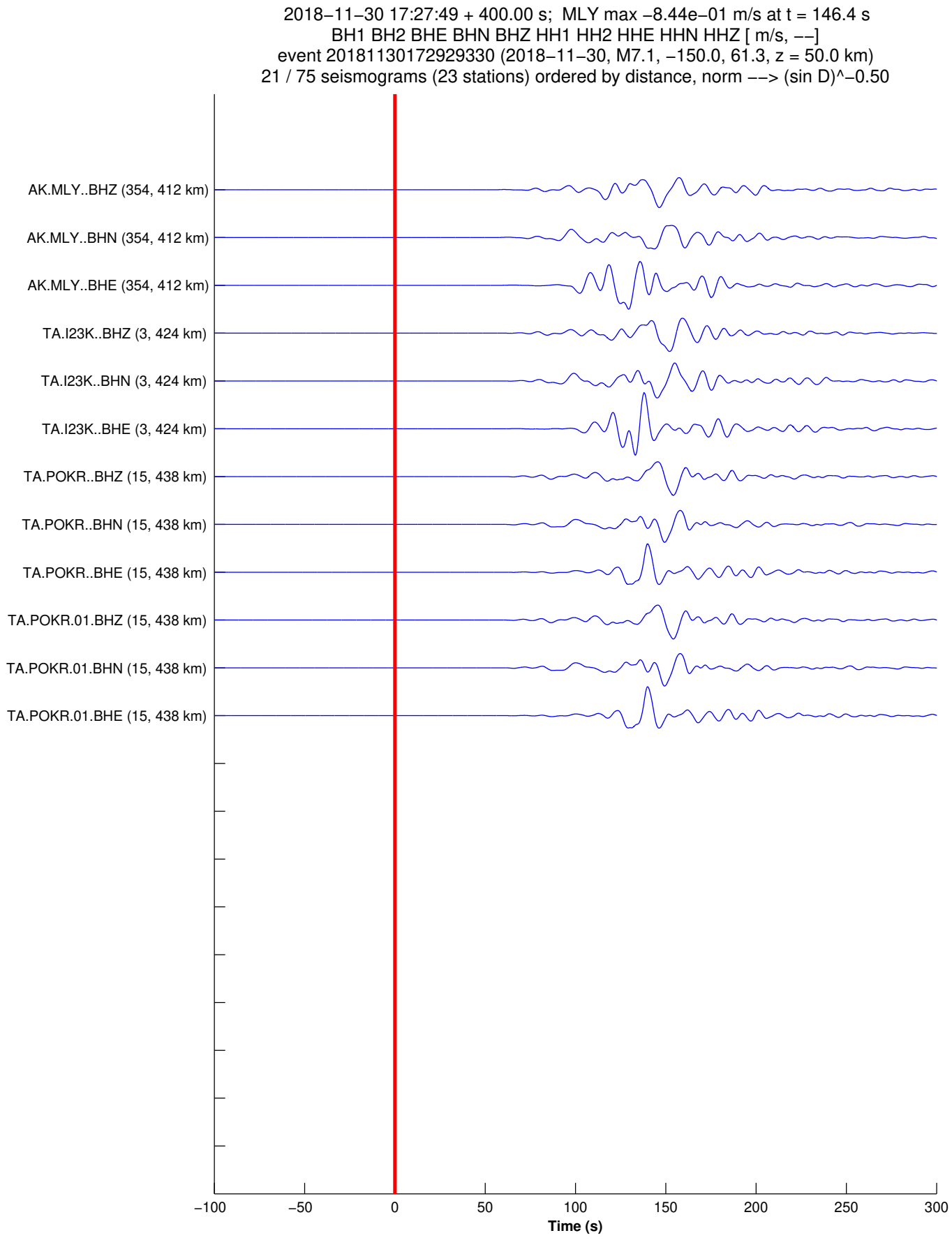


Figure G16, Part 4

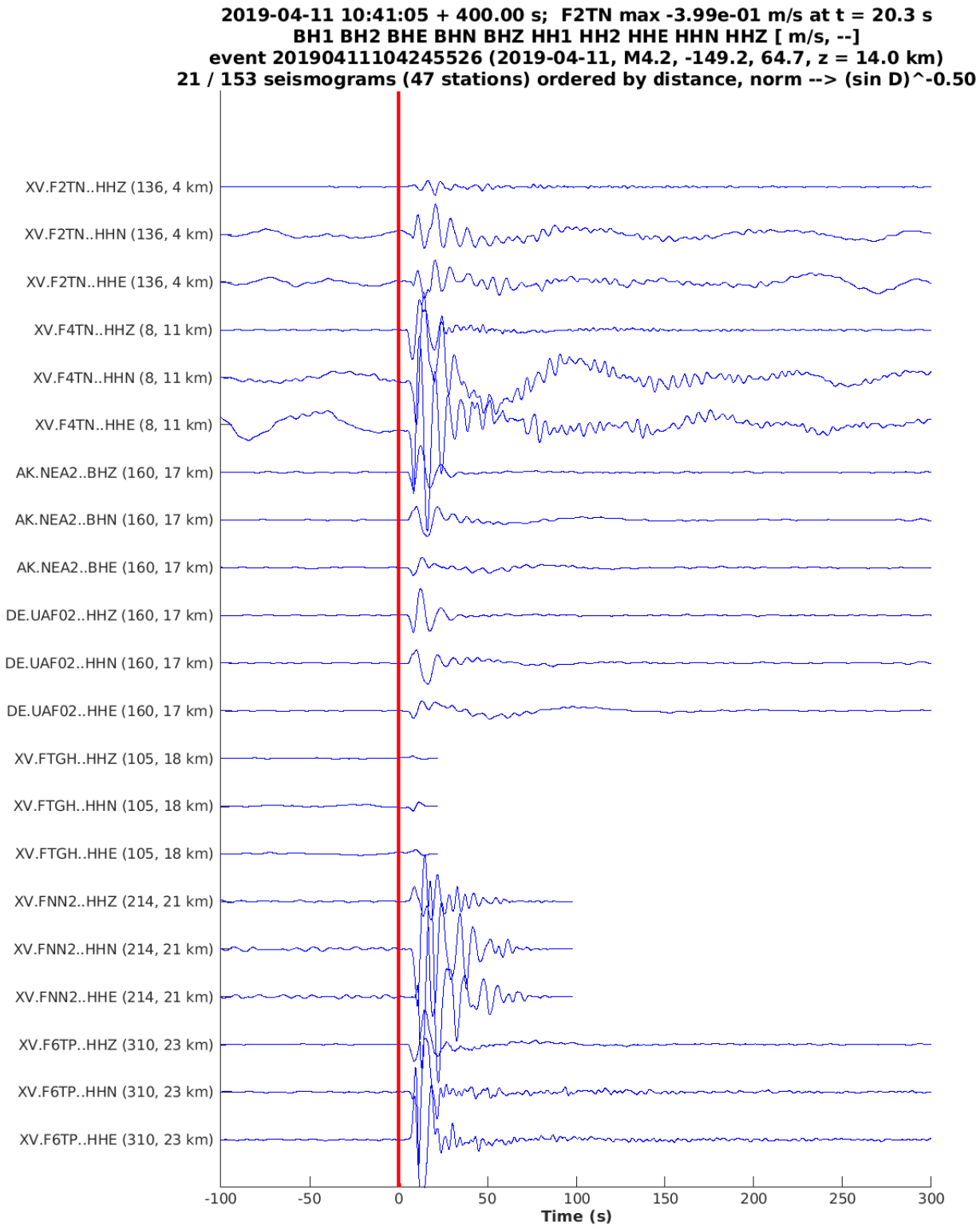


Figure G17: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G17) for the 2019-04-11 $M_{\mathrm{w}}$ 4.15 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

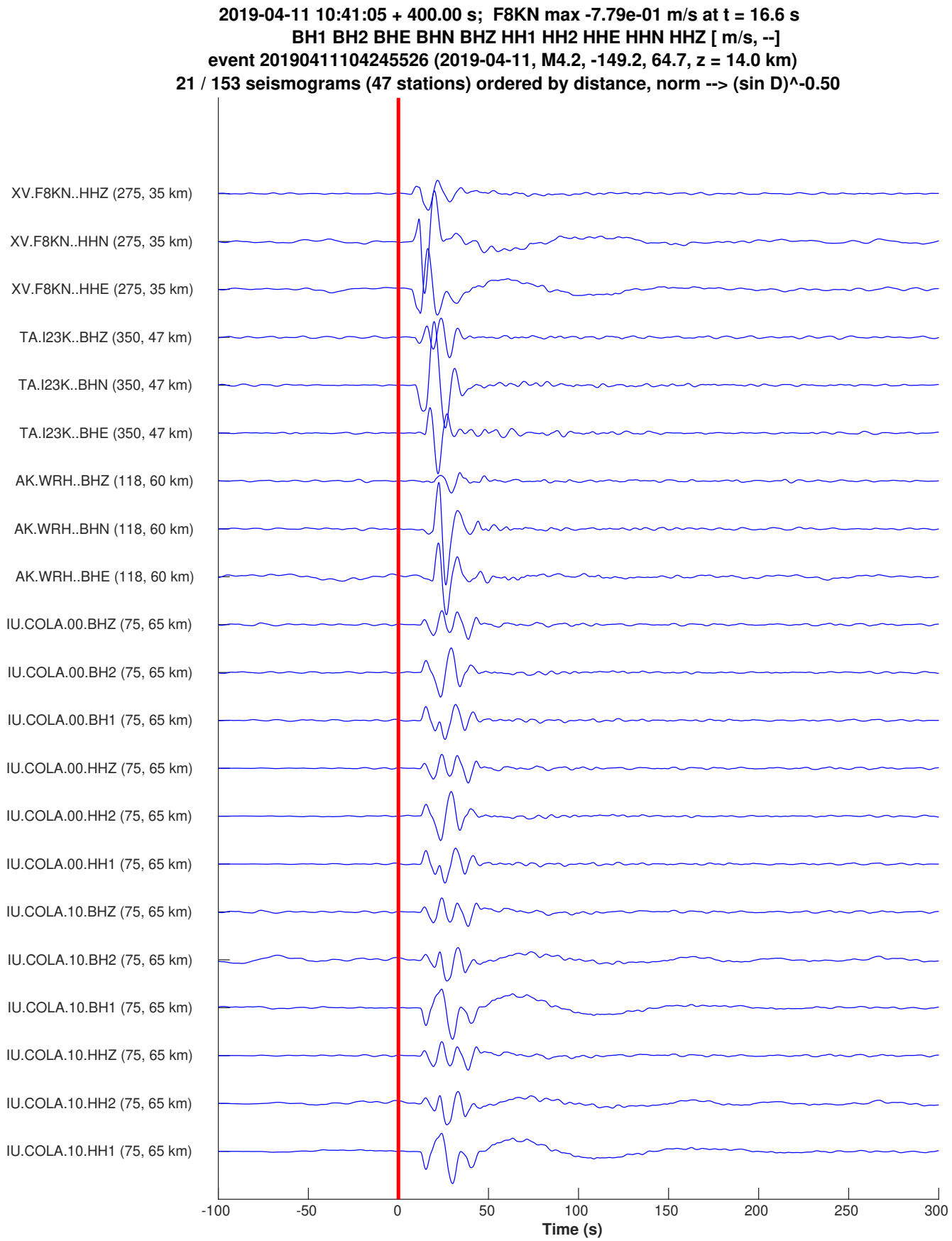


Figure G17, Part 2

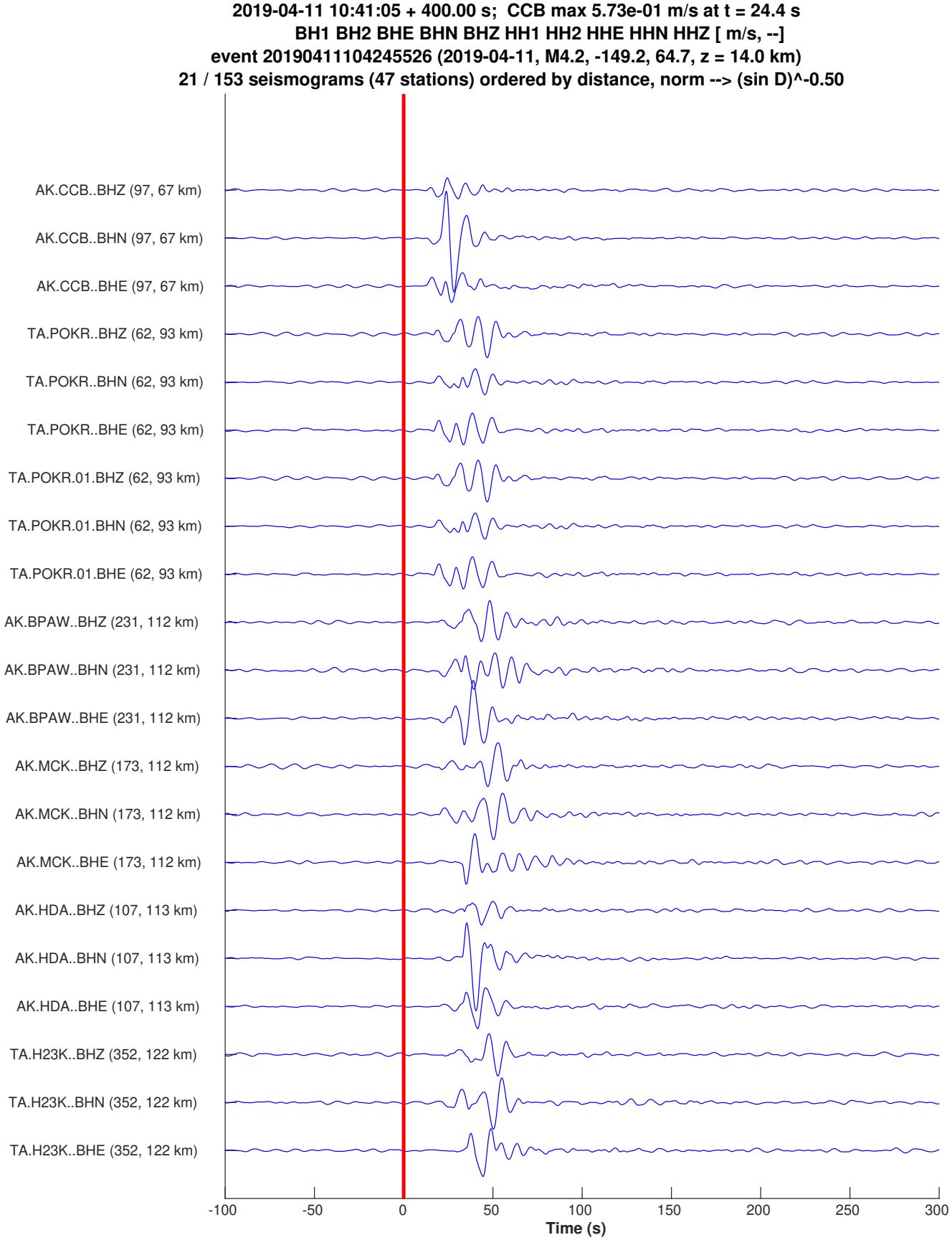


Figure G17, Part 3

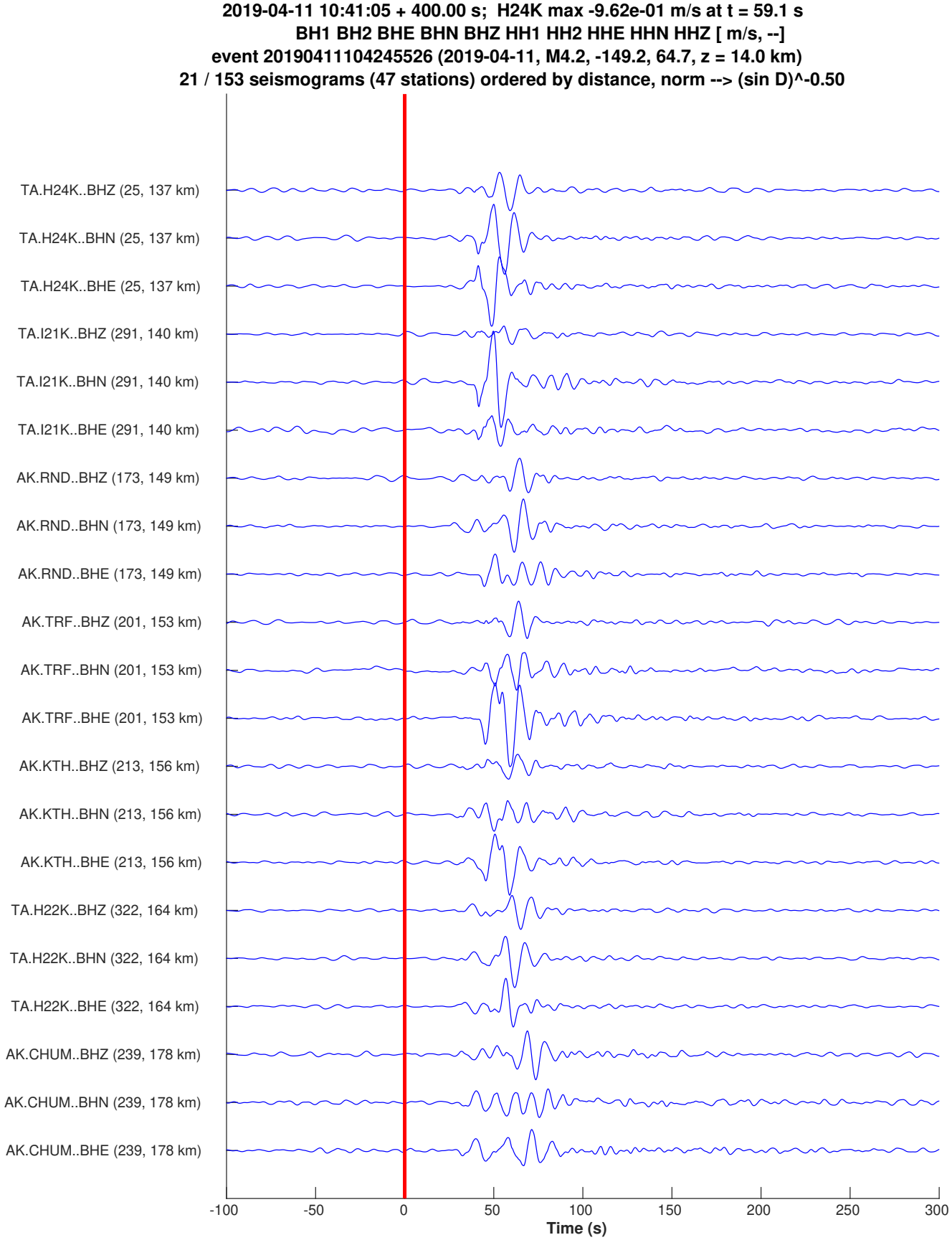


Figure G17, Part 4

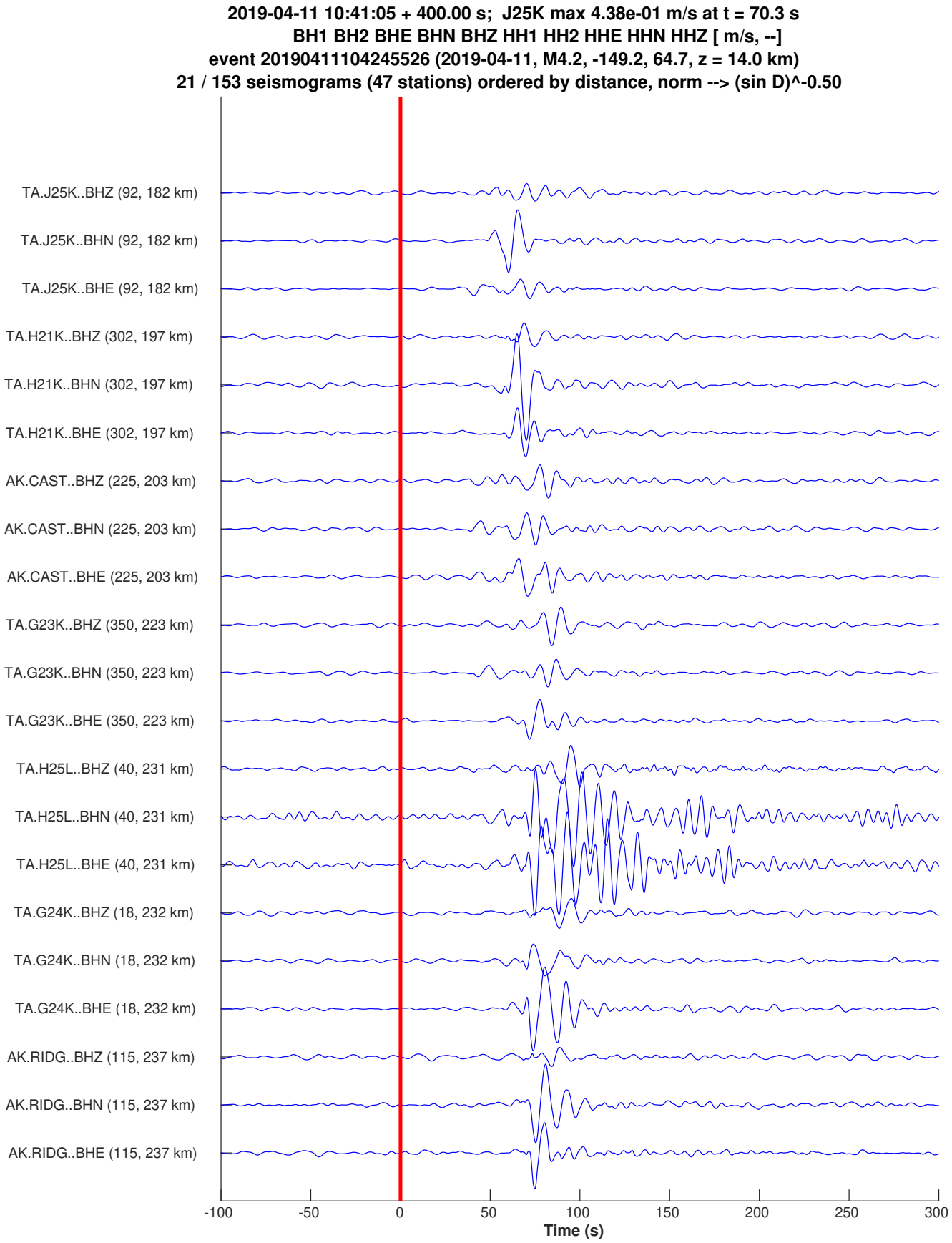


Figure G17, Part 5

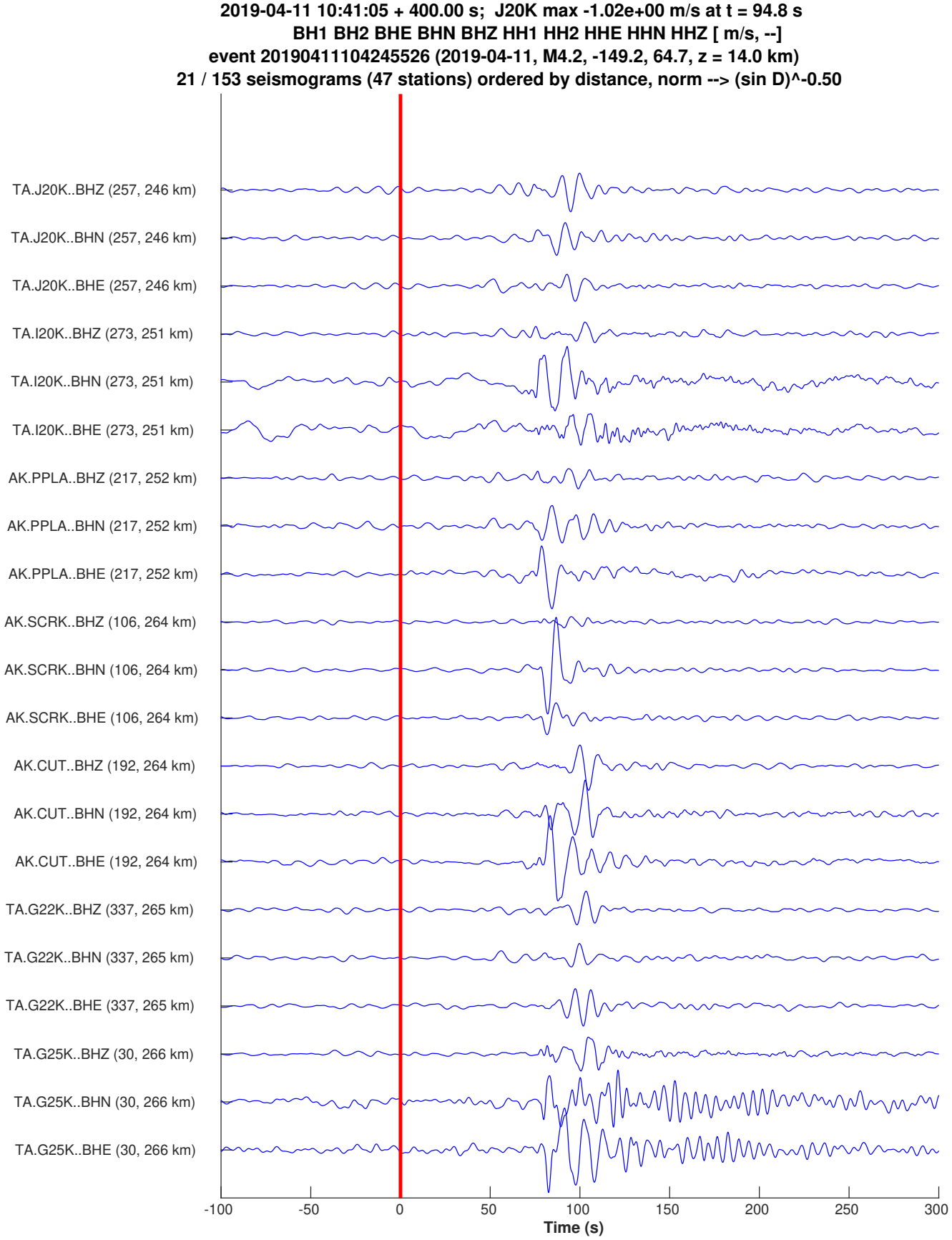


Figure G17, Part 6

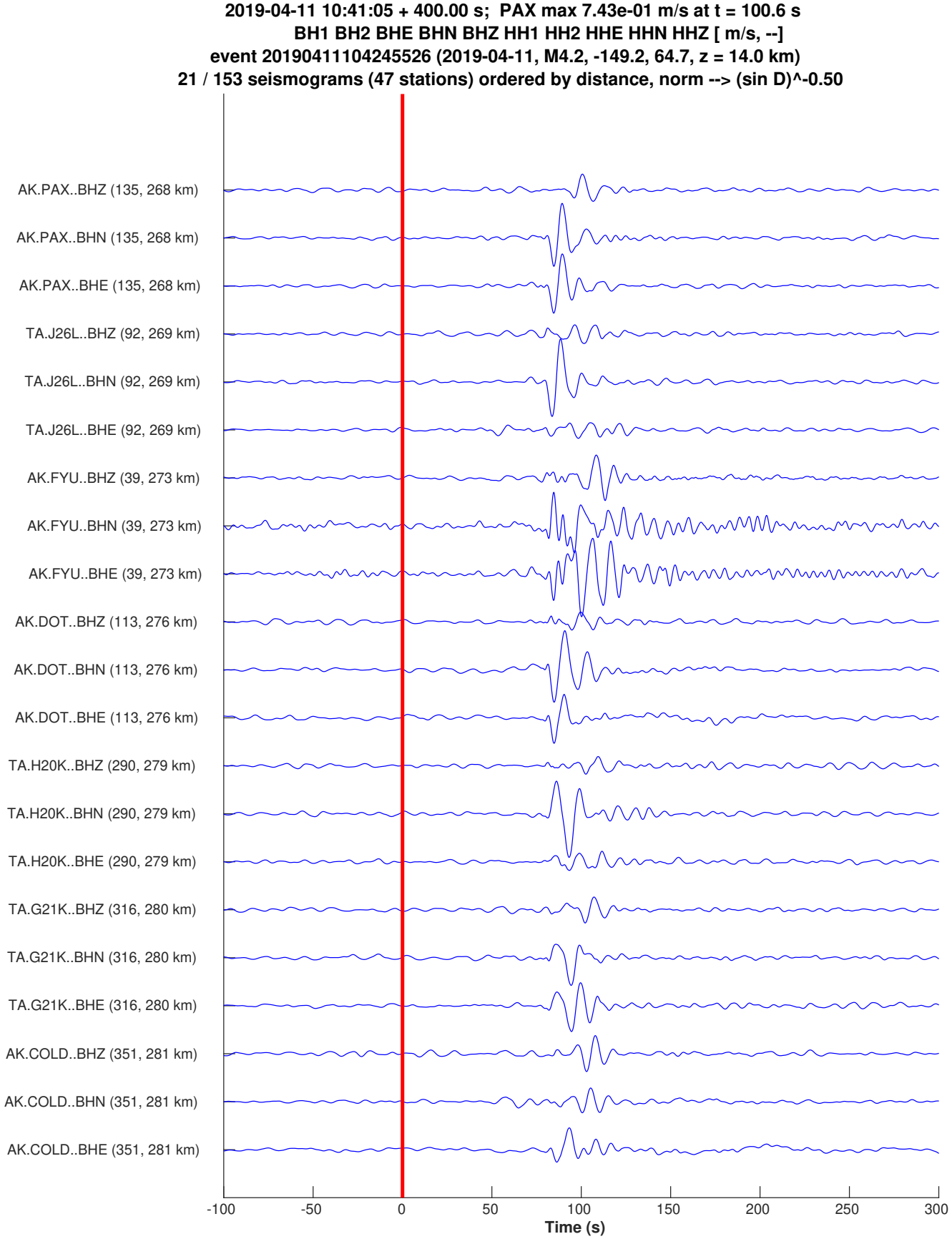


Figure G17, Part 7

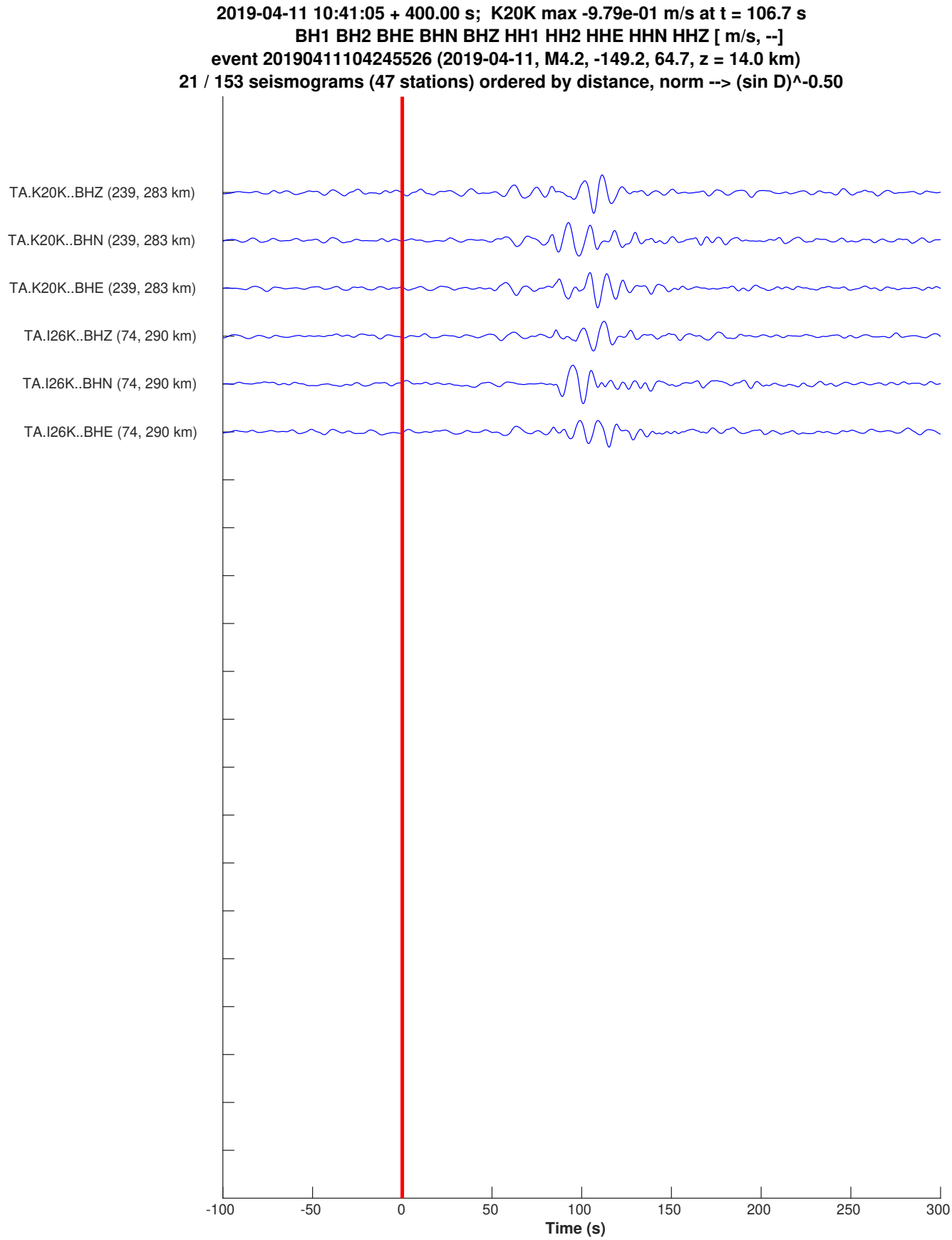


Figure G17, Part 8

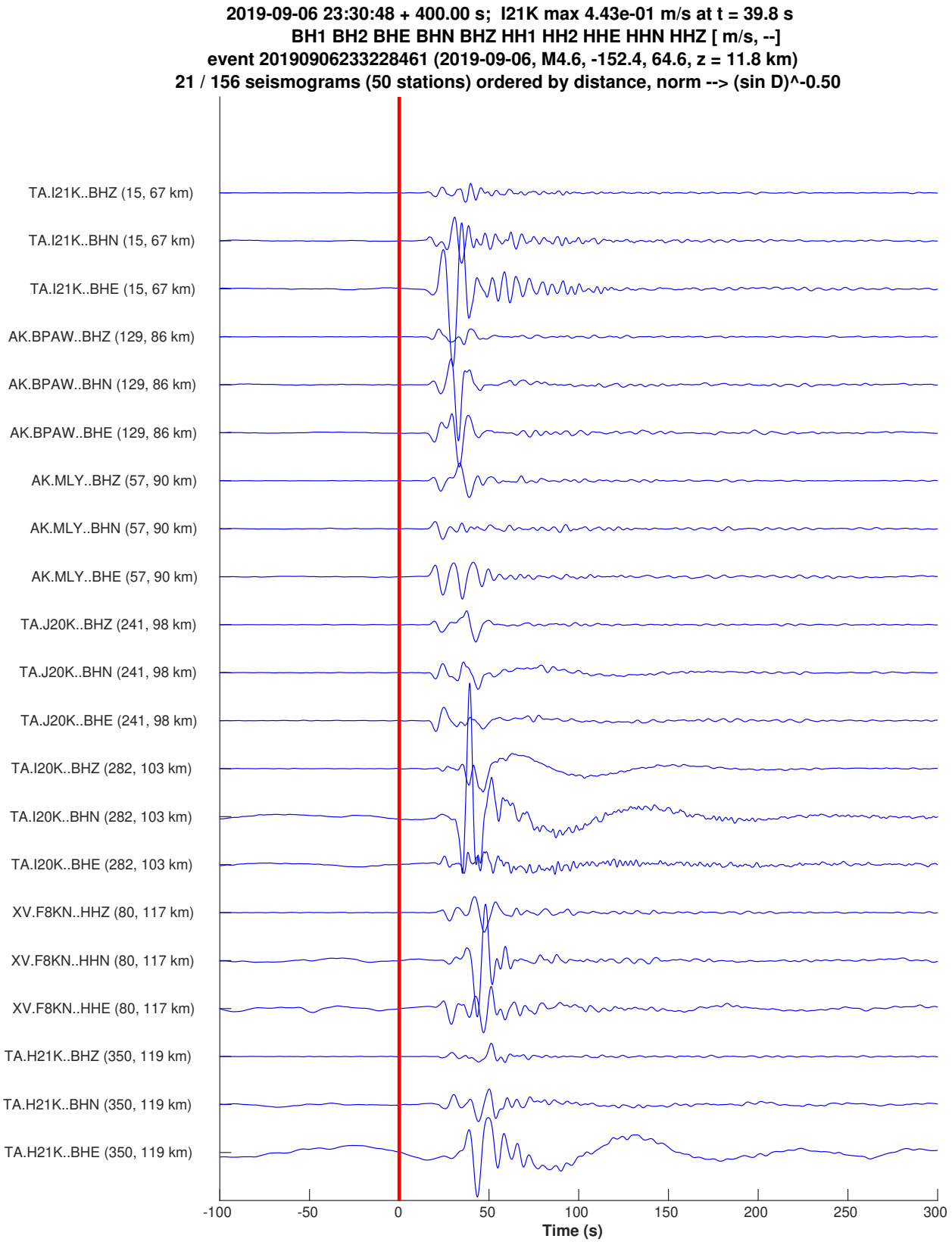


Figure G18: [CONTINUED ON FOLLOWING PAGES] All stations NOT exhibiting anomalously high amplitudes (Table G18) for the 2019-09-06 $M_w$ 4.6 earthquake. Seismograms are bandpass-filtered 10–100 s. Stations are sorted by epicentral distance. Waveforms amplitudes have been corrected for geometric spreading of surface waves. (Some waveforms have other problems besides anomalously high amplitudes, such as high noise levels within this period range. We have left these in for completeness.)

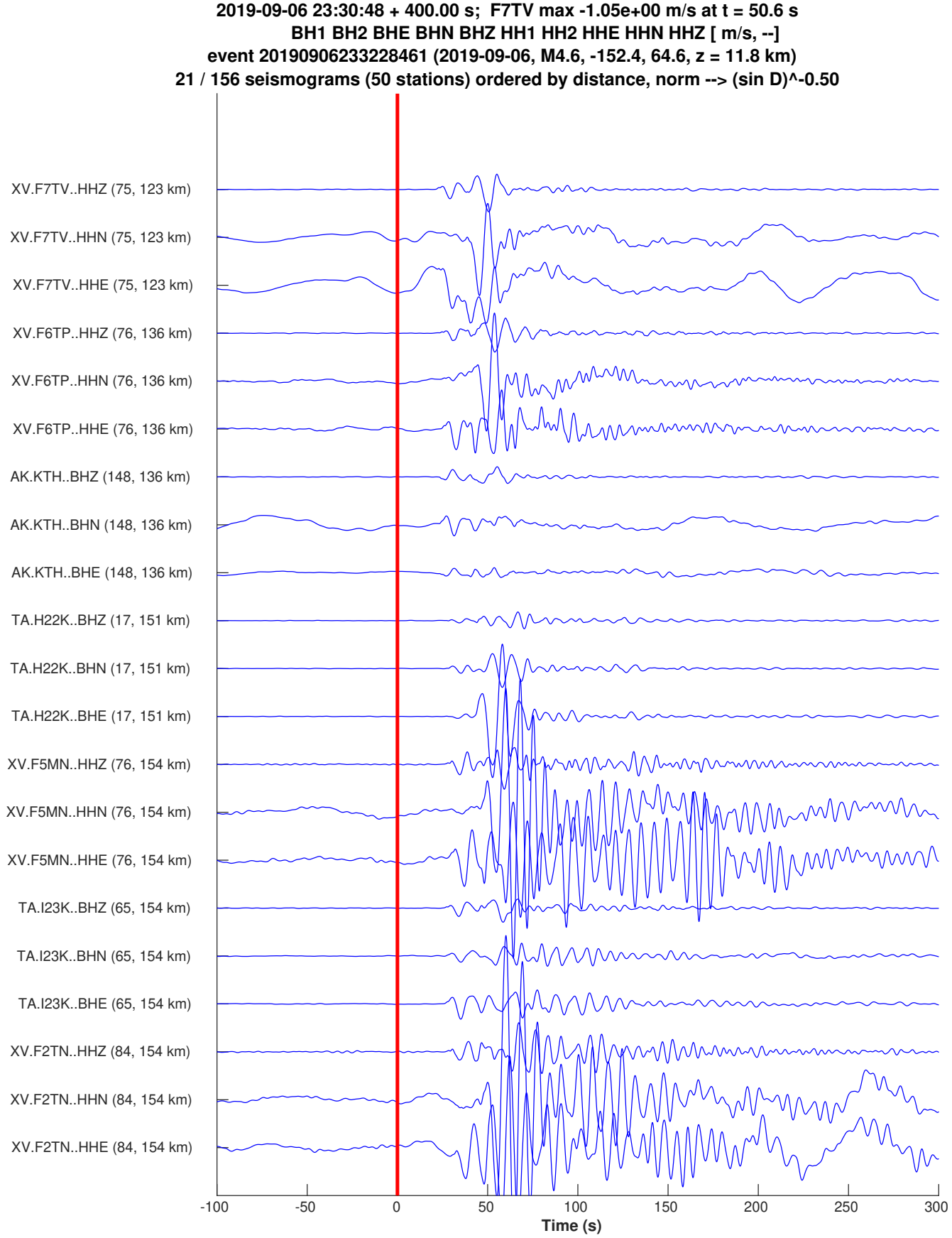


Figure G18, Part 2

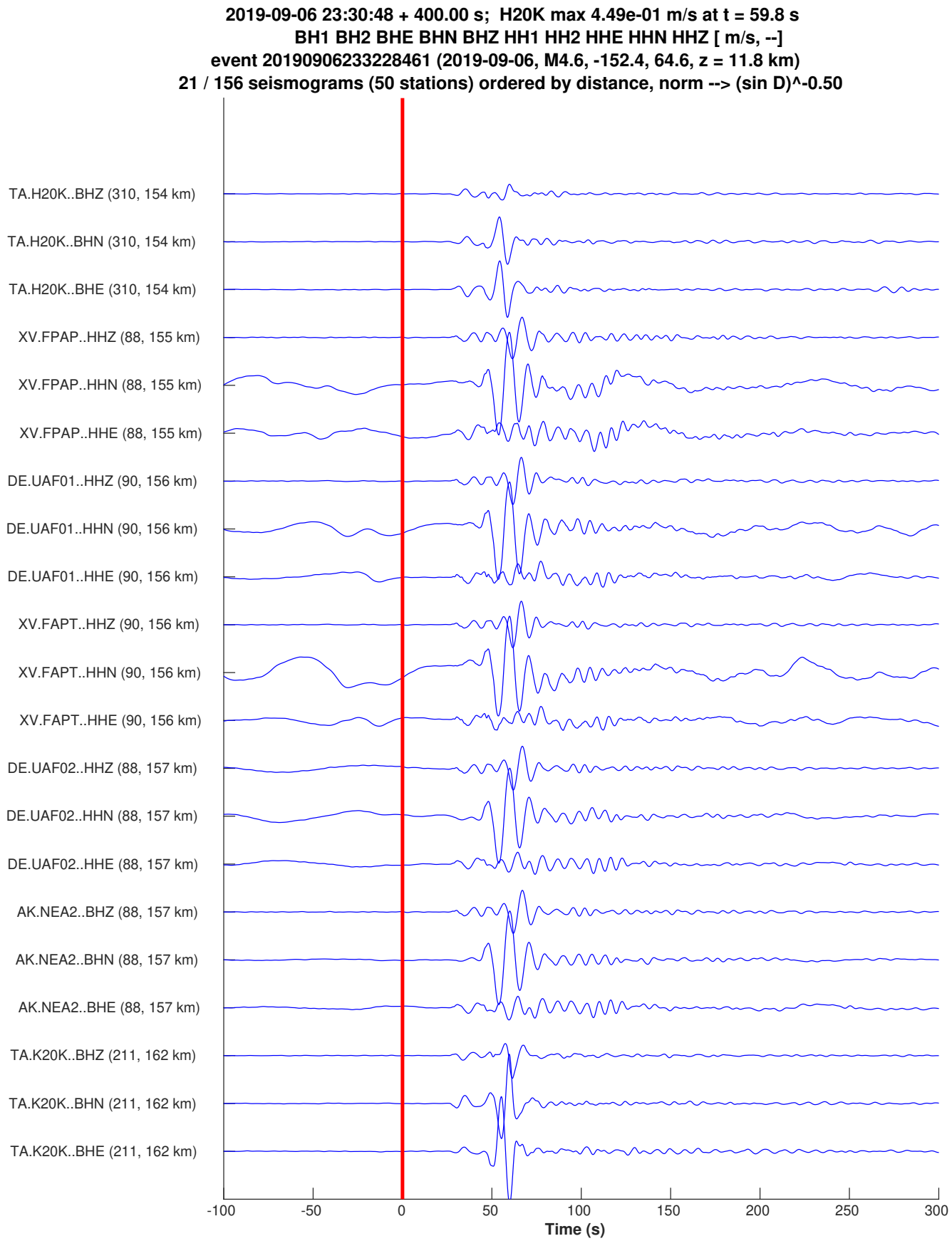


Figure G18, Part 3

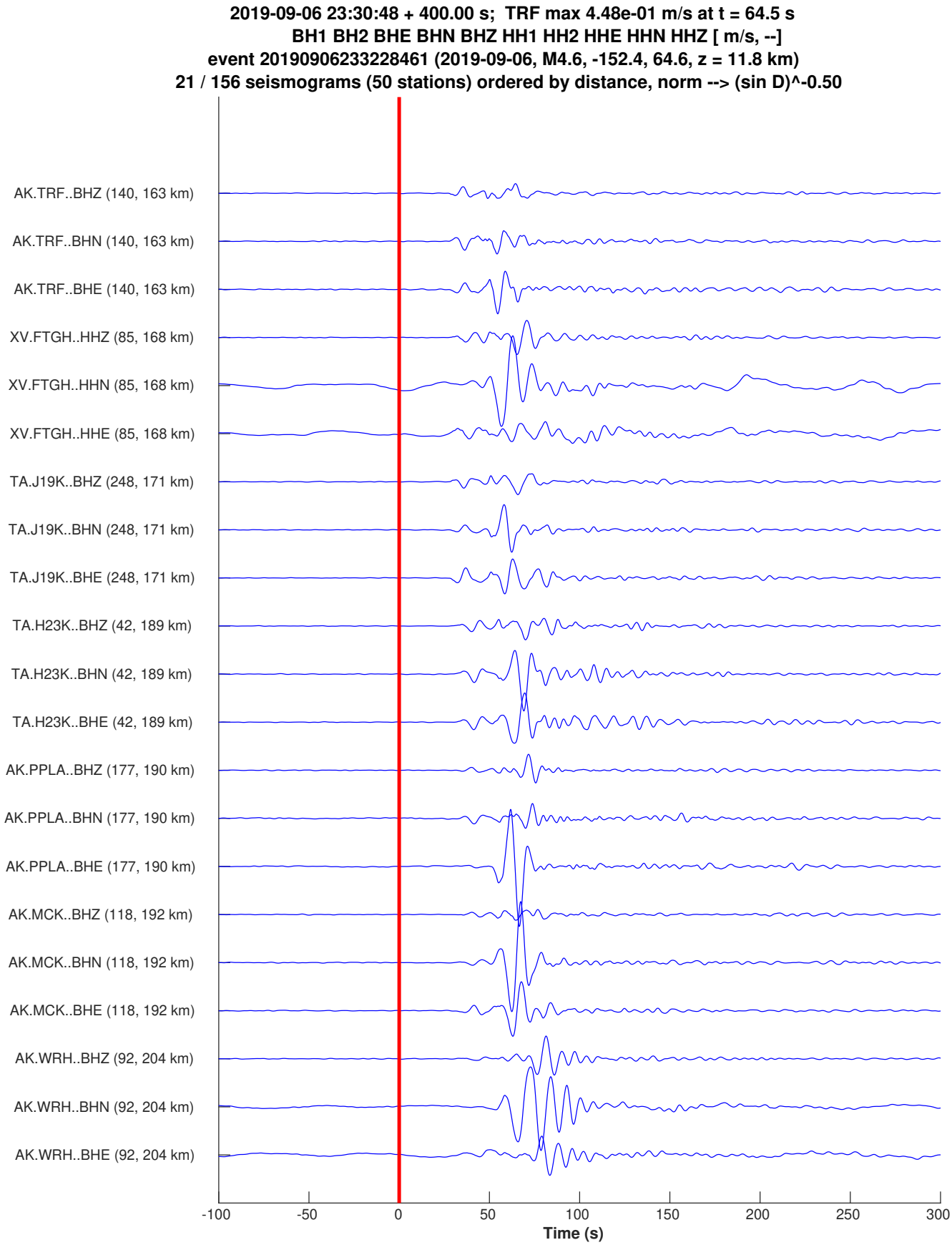


Figure G18, Part 4

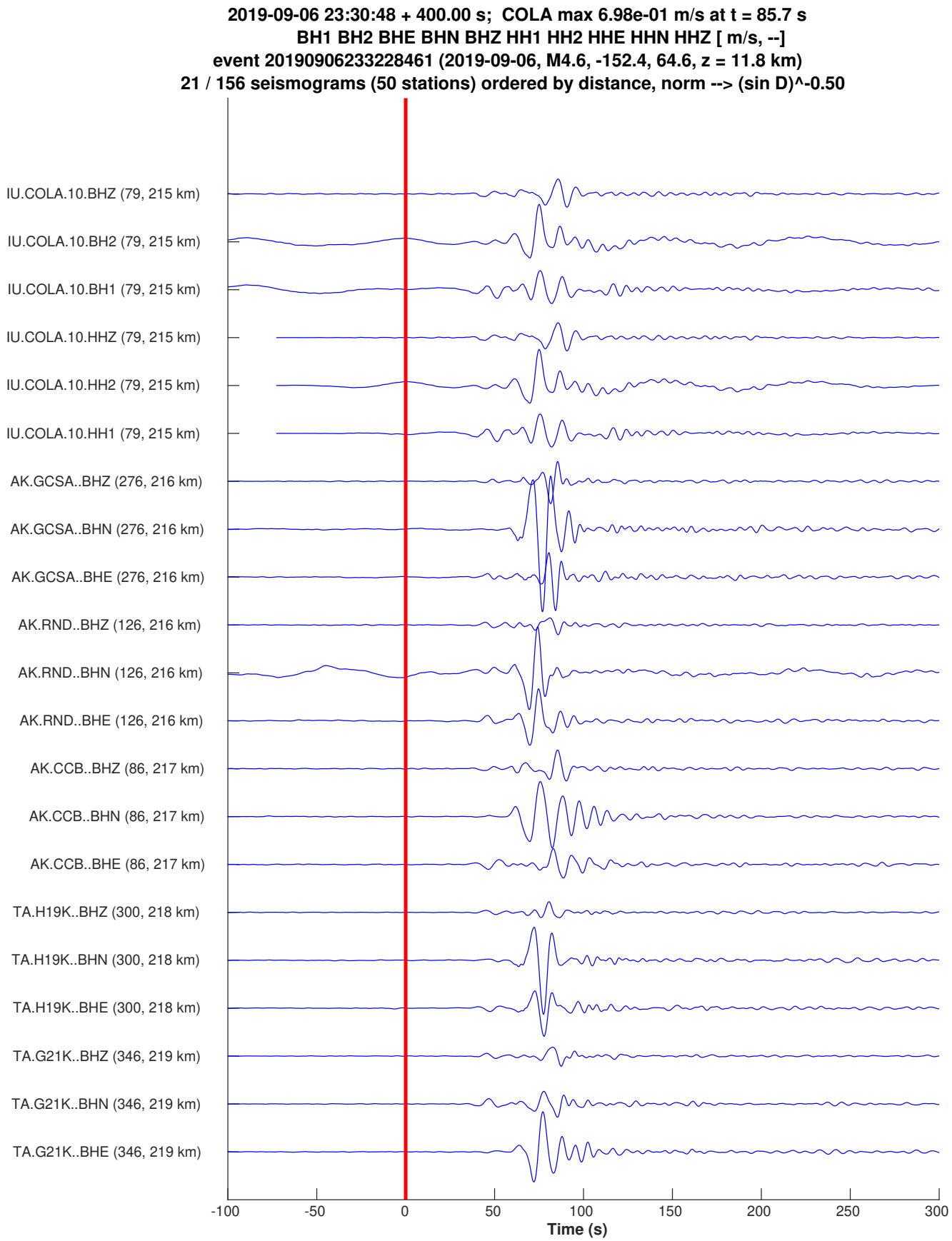


Figure G18, Part 5

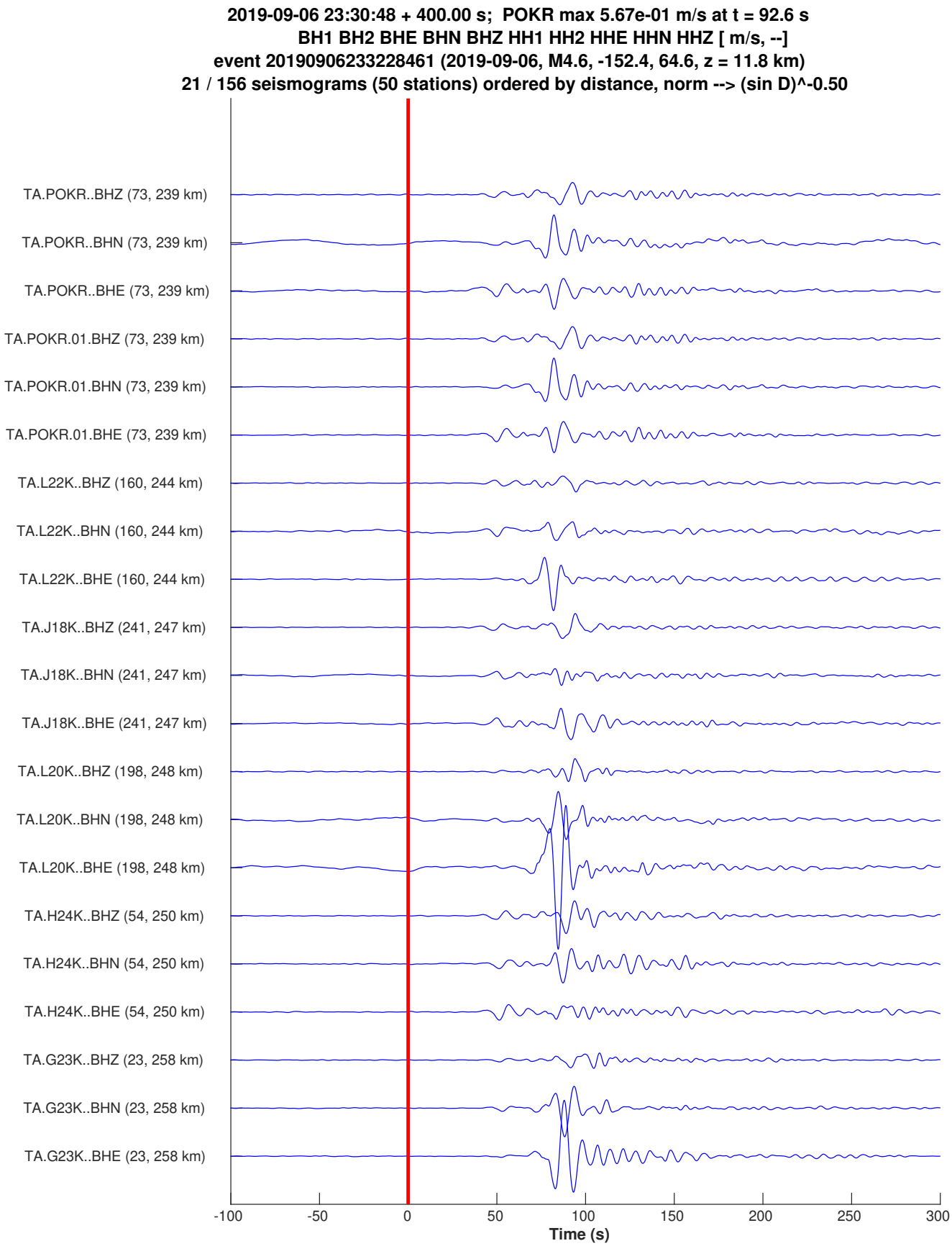


Figure G18, Part 6

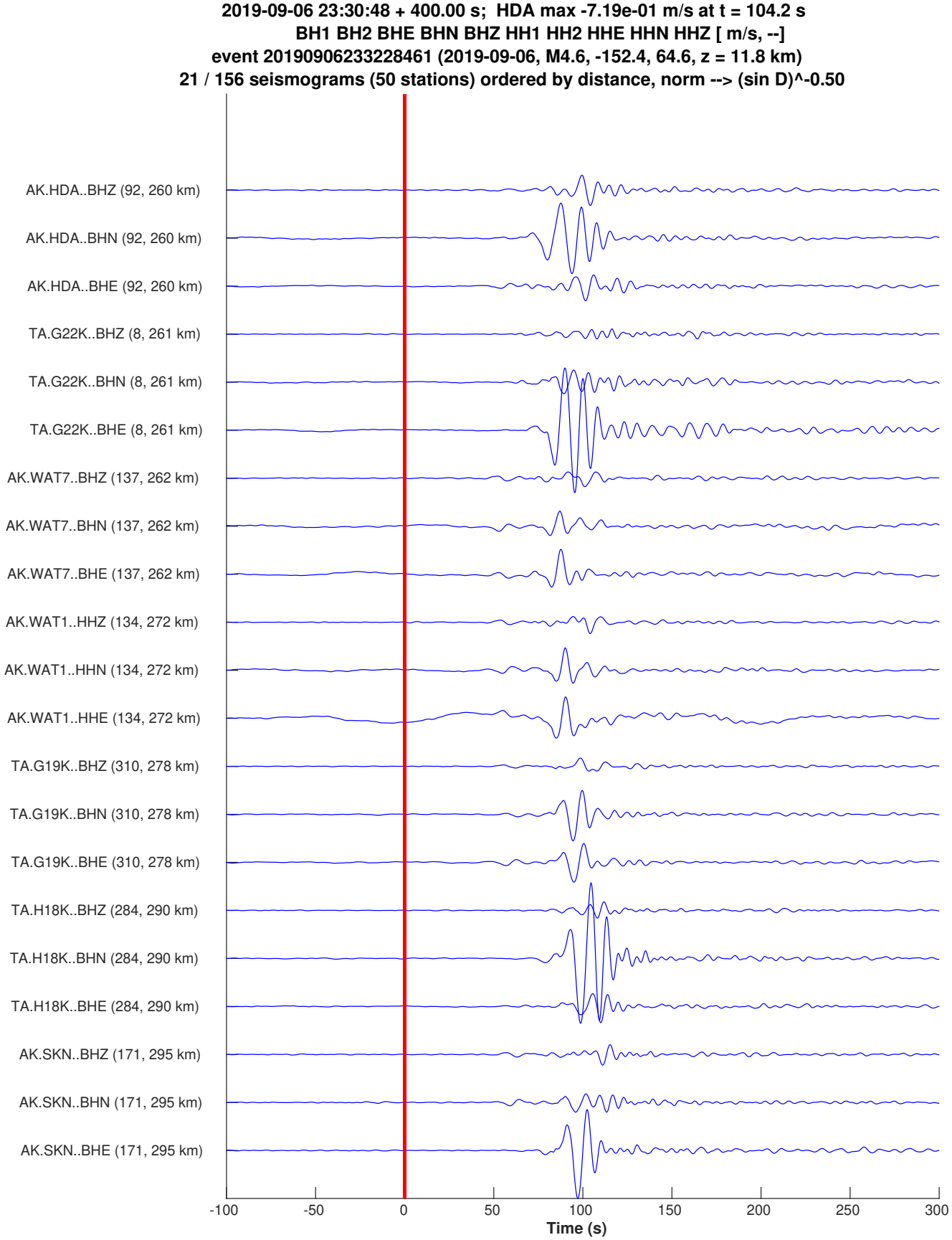


Figure G18, Part 7

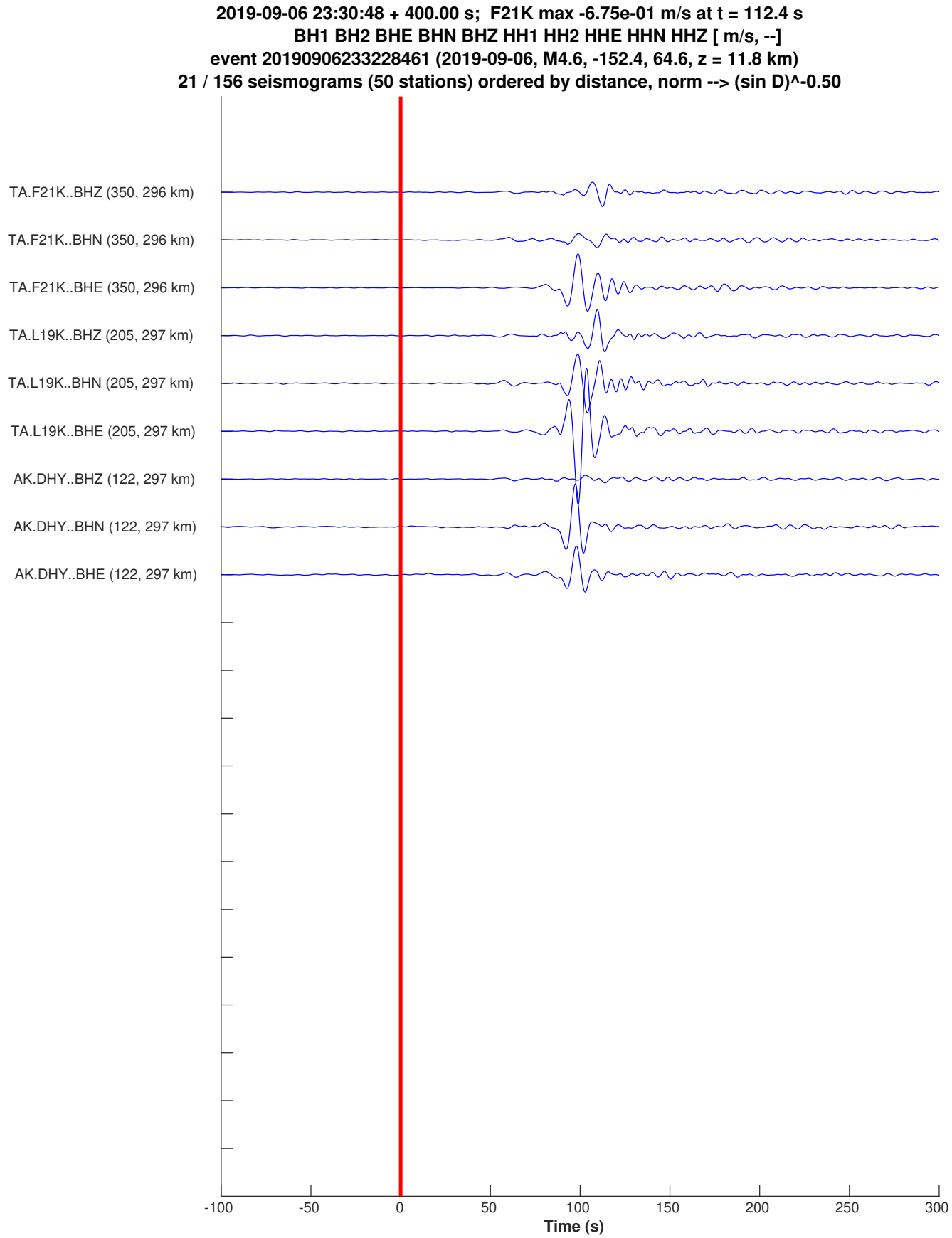


Figure G18, Part 8