## Seismic_Sites
| Site\_ID | Latitude | Longitude | Vs30 (m/s) | Max\_Depth (m/s) | Active\_Spacing\_1 (ft) | Active\_Source\_Offset\_1 (ft) | Active\_Spacing\_2 (ft) | Active\_Source\_Offset\_2 (ft) | Passive\_Spacing (ft) | Raw\_file\_folder | File Numbers, Active Spacing 1 | File Number, Active Spacing 2 | File Numbers, Passive | Unit\_Abbreviation | Unit | Lithology | Topographic\_Position | Age | Location | Notes |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19-Aug-01 | 34.480583 | -118.914650 | 783.0 | 30.5 | 5.0 | 25 | NaN | 25.0 | NaN | Aug\_2019\_Raw\_Data | 699, 700 | NaN | NaN | Tsp | Sespe Formation | Sandstone | Hillslope | Oligocene | Topatopa Mountains | Sespe. Interbeds of massive sandstone and highly fractured shale beds. 700.dat is cleaner than 699.dat |
| 19-Aug-02 | 34.489323 | -118.897064 | 671.0 | 30.5 | 5.0 | 25 | 2.5 | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 701 | 722 | 702-721 | Tsp | Sespe Formation | Sandstone | Hillslope | Oligocene | Topatopa Mountains | NaN |
| 19-Aug-03 | 34.474983 | -118.914787 | 787.0 | 28.0 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 723, 724 | NaN | 725-744 | Tsp | Sespe Formation | Sandstone | Hillslope | Oligocene | Topatopa Mountains | Sespe. Interbeds of sandstone and shale. 724.dat is cleaner than 723.dat |
| 19-Aug-04 | 34.473640 | -118.913025 | 1104.0 | 32.9 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 745, 746 | NaN | 747-766 | Tsp | Sespe Formation | Sandstone | Hillslope | Oligocene | Topatopa Mountains | Sespe. Interbeds of massive sandstone and more fissile fine sand beds. 746.dat is cleaner than 745.dat |
| 19-Aug-05 | 34.465012 | -118.906670 | 1001.0 | 28.0 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 767 | NaN | 768-787 | Tr | Rincon Shale | Shale | Hillslope | Miocene | Topatopa Mountains | Rincon Fmn |
| 19-Aug-06 | 34.084335 | -118.765411 | 775.0 | 28.7 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 788 | NaN | 789-808 | Tsp | Sespe Formation | Sandstone | Ridge | Oligocene | Santa Monica Mountains | Sespe. Mostly sandstone, locally conglomerate. Beds dip nearly vertically. Line parallel to strike of beds. |
| 19-Aug-07 | 34.085106 | -118.771774 | 546.0 | 23.8 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 809 | NaN | 810-829 | Tsp | Sespe Formation | Sandstone | Ridge | Oligocene | Santa Monica Mountains | NaN |
| 19-Aug-08 | 34.085369 | -118.773666 | 695.0 | 28.7 | 5.0 | 25 | 2.5 | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 830 | 851 | 831-850 | Tsp | Sespe Formation | Sandstone | Ridge | Oligocene | Santa Monica Mountains | Sespe. Near-vertical dip of beds. Coarse sandstone with common conglomerate beds. |
| 19-Aug-09 | 34.074345 | -118.754776 | 787.0 | 25.6 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 852, 853 | NaN | 854-873 | Tsp | Sespe Formation | Sandstone | Ridge | Oligocene | Santa Monica Mountains | Sespe. Sandstone with local conglomerate beds. Near unit contact, may actually be measuring underlying unit. Car running for 852.dat |
| 19-Aug-10 | 34.082172 | -118.758514 | 591.0 | 23.8 | 5.0 | 25 | 10.0 | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 874 | Files 1,2,3 from folder Socal\_Jan\_2018\_Raw\_Data (Original Site 18-Socal-1) | 875-895 | Tsp | Sespe Formation | Sandstone | Ridge | Oligocene | Santa Monica Mountains | Sespe. Repeat of 18-SoCal-1. Vs profile is result of combined picks from 18-Socal-1 and 19Aug-10. |
| 19-Aug-11 | 34.066654 | -118.832382 | 580.0 | 26.8 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 896 | NaN | 897-916 | Tsp | Sespe Formation | Sandstone | Ridge | Oligocene | Santa Monica Mountains | Sespe on Zuma Ridge. Line parallel to strike of beds. |
| 19-Aug-12 | 34.057297 | -118.832459 | 593.0 | 25.0 | 5.0 | 25 | 2.5 | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 917 | 938 | 918-937 | Tsp | Sespe Formation | Sandstone | Hillslope | Oligocene | Santa Monica Mountains | Sespe. Line roughly parallel to strike of beds. |
| 19-Aug-13 | 34.080204 | -118.762466 | 885.0 | 26.8 | 5.0 | 25 | NaN | 25.0 | NaN | Aug\_2019\_Raw\_Data | 939 | NaN | NaN | Tsp | Sespe Formation | Sandstone | Ridge | Oligocene | Santa Monica Mountains | Sespe. Massive sandstone with local conglomerate beds. Anomalously fast for Sespe in SMM. |
| 19-Aug-14 | 34.069008 | -118.661171 | 550.0 | 21.3 | 4.5 | 25 | NaN | 25.0 | 4.5 | Aug\_2019\_Raw\_Data | 941 | NaN | 942-961 | Tsp | Sespe Formation | Sandstone | Ridge | Oligocene | Santa Monica Mountains | Sespe. Massive sandstone |
| 19-Aug-15 | 34.461609 | -119.130669 | 1018.0 | 27.4 | 5.0 | 25 | 2.5 | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 962, 963 | 984, 985 | 964-983 | Tma | Matilija Sandstone | Sandstone | Channel | Eocene | Topatopa Mountains | 963.dat is cleaner than 962.dat. 985.dat is cleaner than 984.dat |
| 19-Aug-16 | 34.464207 | -119.129524 | 861.0 | 26.8 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 986 | NaN | 987-1006 | Tma | Matilija Sandstone | Sandstone | Channel | Eocene | Topatopa Mountains | Line is oriented close to parallel to strike of beds. Less messy than adjacent 2018 site. |
| 19-Aug-17 | 34.469074 | -119.125061 | 709.0 | 28.7 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 1007 | NaN | 1008-1027 | Tjsh | Juncal Formation | Shale | Hillslope | Eocene | Topatopa Mountains | NaN |
| 19-Aug-18 | 34.471725 | -119.125198 | 612.0 | 22.9 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 1028 | NaN | 1029-1048 | Tjss | Juncal Formation | Sandstone | Hillslope | Eocene | Topatopa Mountains | Line oriented about 30 degrees to strike of bedding. |
| 19-Aug-19 | 34.474556 | -119.131470 | 531.0 | 27.4 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 1049 | NaN | 1050-1069 | Tjss | Juncal Formation | Sandstone | Hillslope | Eocene | Topatopa Mountains | Vs is really slow. Material may be colluvium |
| 19-Aug-20 | 34.484913 | -119.142258 | 621.0 | 24.4 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 1070, 1071 | NaN | 1072-1091 | Tjsh | Juncal Formation | Shale | Hillslope | Eocene | Topatopa Mountains | Site mostly shale with sandstone interbeds. 1071.dat is cleaner than 1070.dat |
| 19-Aug-21 | 34.501534 | -119.153923 | 689.0 | 26.8 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 1092 | NaN | 1093-1112 | Tjsh | Juncal Formation | Shale | Ridge | Eocene | Topatopa Mountains | Juncal Fmn shale |
| 19-Aug-22 | 34.517201 | -119.185463 | 679.0 | 31.7 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 1113, 1114 | NaN | 1115-1134 | Kucg | Unnamed Marine Strata | Sandstone | Ridge | Cretaceous | Topatopa Mountains | Cretaceous sandstone and congomerate on top of ridge. Line closer to parallel of dip direction of beds. 1114.dat is cleaner than 1113.dat |
| 19-Aug-23 | 34.491211 | -118.903030 | 607.0 | 28.0 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 1135 | NaN | 1136-1155 | Tsp | Sespe Formation | Shale | Hillslope | Oligocene | Topatopa Mountains | Sespe. Sandstone and shale interbeds. |
| 19-Aug-24 | 34.503986 | -118.894218 | 1029.0 | 32.3 | 5.0 | 25 | 2.5 | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 1156, 1157 | 1178 | 1158-1177 | Tsp | Sespe Formation | Sandstone | Channel | Oligocene | Topatopa Mountains | Sespe. 1157.dat is cleaner than 1156.dat |
| 19-Aug-25 | 34.465195 | -119.227463 | 664.0 | 30.5 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 1179 | NaN | 1180-1199 | Tcw | Coldwater Sandstone | Sandstone | Hillslope | Eocene | Topatopa Mountains | Tcd Coldwater SS |
| 19-Aug-26 | 34.463081 | -119.245277 | 534.0 | 25.0 | 5.0 | 25 | NaN | 25.0 | NaN | Aug\_2019\_Raw\_Data | 1200 | NaN | NaN | Tsp | Sespe Formation | Sandstone | Hillslope | Oligocene | Ojai Valley | Sespe. Section in valley below mountains. |
| 19-Aug-27 | 34.485470 | -119.303040 | 1049.0 | 29.9 | 5.0 | 25 | NaN | 25.0 | NaN | Aug\_2019\_Raw\_Data | 1201, 1202 | NaN | NaN | Tma | Matilija Sandstone | Sandstone | Channel | Eocene | Topatopa Mountains | Tma. Vertical beds on road cut adjacent to main highway. Loose dirt surface, bedrock likely below. 1202.dat is cleaner than 1201.dat |
| 19-Aug-28 | 34.472134 | -118.735451 | 545.0 | 12.8 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 1203 | Files 21, 22, 23 from folder Socal\_Jan\_2018\_Raw\_Data, site 18-Socal-13 | 1204-1223 | Ttoc | Towsley Formation | Sandstone | Hillslope | Miocene-Pliocene | Topatopa Mountains | Includes 18-Seismic-13 picks |
| 19-Aug-29 | 34.464283 | -118.747734 | 590.0 | 23.8 | 5.0 | 25 | NaN | 25.0 | 5.0 | Aug\_2019\_Raw\_Data | 1225 | 1246 | 1226-1245 | Tmss | Monterey Formation | Sandstone | Hillslope | Miocene | Topatopa Mountains | Tmss. Repeat of 18-Seismic-12 (file 20 in folder Socal\_Jan\_2018\_Raw\_Data, not used here) |
| 19-Aug-30 | 34.442959 | -118.666481 | 380.0 | 20.1 | 5.0 | 25 | NaN | 25.0 | NaN | Aug\_2019\_Raw\_Data | 1247 | NaN | NaN | Tp | Pico Formation | Sandstone | Hillslope | Pliocene | Topatopa Mountains | Pico |
| 19-Aug-31 | 34.450848 | -118.650444 | 597.0 | 30.5 | 5.0 | 25 | NaN | 25.0 | NaN | Aug\_2019\_Raw\_Data | 1248, 1249 | NaN | NaN | QTs | Saugus Formation | Paleosol | Hillslope | Plio-Pleistocene | Topatopa Mountains | Saugus. Common paleosols in outcrop. Geophones locally on old asphalt, loose dirt. 1249.dat is cleaner than 1248.dat. |
| 18-Seismic-2 | 34.079071 | -118.755402 | NaN | NaN | 10.0 | 25 | NaN | NaN | NaN | Socal\_Jan\_2018\_Raw\_Data | 4 | NaN | NaN | Tsp | Sespe Formation | Sandstone | Ridge | Oligocene | Santa Monica Mountains | Data from this site not analyzed for Vs profile |
| 18-Seismic-3 | 34.061260 | -118.745834 | 447.0 | 20.2 | 10.0 | 25 | NaN | NaN | NaN | Socal\_Jan\_2018\_Raw\_Data | 5 | NaN | NaN | Ttc | Middle Topanga Formation | Unconsolidated | Ridge | Miocene | Santa Monica Mountains | No outcrop at site, completely soil mantled. Very difficult inversion. |
| 18-Seismic-4 | 34.037834 | -118.748444 | 334.0 | 12.2 | 10.0 | 25 | NaN | NaN | NaN | Socal\_Jan\_2018\_Raw\_Data | 6 | NaN | NaN | Ttc | Middle Topanga Formation | Unconsolidated | Channel | Miocene | Santa Monica Mountains | Asphalt. No outcrop at site. Directly on top of Malibu Coast Fault |
| 18-Seismic-5 | 34.034462 | -118.819550 | NaN | NaN | 10.0 | 25 | NaN | NaN | NaN | Socal\_Jan\_2018\_Raw\_Data | 7, 8 | NaN | NaN | Tm | Monterey Formation | Shale | Hillslope | Miocene | Santa Monica Mountains | Data from this site not analyzed for Vs profile |
| 18-Seismic-6 | 34.044357 | -118.935768 | 791.0 | 36.6 | 10.0 | 25 | 3.0 | 10.0 | NaN | Socal\_Jan\_2018\_Raw\_Data | 9, 10 | NaN | NaN | Ttus | Upper Topanga Formation | Sandstone | Marine Terrace | Miocene | Santa Monica Mountains | Marine terrace. Noisy data. Updated with May 28 inversion. 10.dat looks cleaner than 9.dat |
| 18-Seismic-7 | 34.477581 | -118.871246 | 455.0 | 29.0 | 10.0 | 25 | NaN | NaN | NaN | Socal\_Jan\_2018\_Raw\_Data | 11, 12 | NaN | NaN | Tml | Monterey Formation | Shale | Ridge | Miocene | Topatopa Mountains | Oil rigs nearby. 12.dat looks cleaner than 11.dat |
| 18-Seismic-8 | 34.472809 | -118.874031 | 629.0 | 39.6 | 10.0 | 25 | NaN | NaN | NaN | Socal\_Jan\_2018\_Raw\_Data | 13, 14 | NaN | NaN | Tml | Monterey Formation | Shale | Ridge | Miocene | Topatopa Mountains | No outcrop at site. Asphalt. Ugly dispersion curve. Nearby oil pumpjack running during 13.dat collection. Use 14.dat. |
| 18-Seismic-9 | 34.469906 | -118.885605 | 389.0 | 25.9 | 10.0 | 25 | NaN | NaN | NaN | Socal\_Jan\_2018\_Raw\_Data | 15, 16 | NaN | NaN | Tml or Tr | Monterey Formation or Rincon Shale | Shale | Ridge | Miocene | Topatopa Mountains | Low saddle in Tml directly over contact with Tr. 15.dat looks similar to 16.dat. |
| 18-Seismic-10 | 34.476265 | -118.881867 | 856.0 | 37.2 | 10.0 | 25 | NaN | NaN | NaN | Socal\_Jan\_2018\_Raw\_Data | 17 | NaN | NaN | Tr | Rincon Shale | Shale | Hillslope | Miocene | Topatopa Mountains | Fast velocities |
| 18-Seismic-11 | 34.472096 | -118.897171 | 897.0 | 29.0 | 10.0 | 25 | NaN | NaN | NaN | Socal\_Jan\_2018\_Raw\_Data | 18, 19 | NaN | NaN | Tr | Rincon Shale | Shale | Hillslope | Miocene | Topatopa Mountains | Fast Velocities |
| 18-Seismic-14 | 34.054588 | -118.934853 | 416.0 | 13.4 | 10.0 | 25 | NaN | NaN | NaN | Socal\_Jan\_2018\_Raw\_Data | 24, 25 | NaN | NaN | Ttlc below Qa | Lower Topanga Formation below Qa | Unconsolidated | Channel | Miocene | Alluvial Valley | Middle of alluvial valley next to channel with >5m incision. Skeptical profile sees rock. Profile only sees ~17 feet. 25.dat is cleaner than 24.dat. |
| 18-Seismic-15 | 34.044243 | -118.937454 | NaN | NaN | 10.0 | 25 | NaN | NaN | NaN | Socal\_Jan\_2018\_Raw\_Data | 26 | NaN | NaN | Ttus | Upper Topanga Formation | Sandstone | Marine Terrace | Miocene | Santa Monica Mountains | Data from this site not analyzed for Vs profile |
| 18-Seismic-16 | 34.004208 | -118.805809 | 258.0 | 12.2 | 10.0 | 25 | NaN | NaN | NaN | Socal\_Jan\_2018\_Raw\_Data | 27 | NaN | NaN | Tm | Monterey Formation | Shale | Marine Terrace | Miocene | Santa Monica Mountains | Marine terrace. |
| 18-Seismic-17 | 34.501076 | -118.758820 | 682.0 | 36.0 | 10.0 | 25 | 3.0 | 10.0 | NaN | Socal\_Jan\_2018\_Raw\_Data | 28 | 29 | NaN | Tm | Monterey Formation | Sandstone | Hillslope | Miocene | Topatopa Mountains | Asphalt road |
| 18-Seismic-18 | 34.474281 | -118.731399 | 342.0 | 26.5 | 10.0 | 25 | 3.0 | 10.0 | NaN | Socal\_Jan\_2018\_Raw\_Data | 30 | 31 | NaN | Tps` | Pico Formation | Sandstone | Hillslope | Pliocene | Topatopa Mountains | NaN |
| 18-Jun-01 | 34.435978 | -118.828804 | NaN | NaN | 5.0 | 25 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 1, 2 | NaN | NaN | Tm | Monterey Formation | Sandstone | Hillslope | Miocene | Topatopa Mountains | Oil platform. Likely significant artificial fill. Data from this site not analyzed for Vs profile |
| 18-Jun-02 | 34.422432 | -118.836662 | 910.0 | 42.7 | 10.0 | 25 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 3 | NaN | NaN | Tm | Monterey Formation | Sandstone | Channel | Miocene | Topatopa Mountains | Dirt road below hillslope, next to channel. |
| 18-Jun-03 | 34.423817 | -119.014229 | 379.0 | 39.6 | 10.0 | 25 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 4 | NaN | NaN | Tma | Quaternary Colluvium | Unconsolidated | Hillslope | Quaternary | Colluvium | Packed Road. Profile crosses mapped trace of San Cayetano Fault. |
| 18-Jun-04 | 34.035557 | -118.819679 | 286.0 | 12.2 | 10.0 | 25 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 5 | NaN | NaN | Tm | Monterey Formation | Shale | Ridge | Miocene | Santa Monica Mountains | On ridge. Hillslope rolls over on both sides. |
| 18-Jun-05 | 34.042198 | -118.825241 | 424.0 | 36.6 | 10.0 | 25 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 6, 7 | NaN | NaN | Tcvab | Conejo Volcanics Extrusive | Volcaniclastic | Ridge | Miocene | Santa Monica Mountains | Bedrock exposed in road surface. |
| 18-Jun-06 | 34.067177 | -118.831856 | 592.0 | 45.7 | 10.0 | 25 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 8 | NaN | NaN | Tsp | Sespe Formation | Sandstone | Ridge | Oligocene | Santa Monica Mountains | Lots of bedrock exposure. |
| 18-Jun-07 | 34.073124 | -118.835365 | 487.0 | 40.8 | 10.0 | 25 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 9, 10 | NaN | NaN | Ttlsv | Lower Topanga Formation | Shale | Ridge | Miocene | Santa Monica Mountains | NaN |
| 18-Jun-08 | 34.453453 | -119.136291 | 541.0 | 38.4 | 10.0 | 25 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 11, 12 | NaN | NaN | Tcw | Coldwater Sandstone | Sandstone | Channel | Eocene | Topatopa Mountains | Sisar Canyon. Constant exposure next to profile. |
| 18-Jun-09 | 34.463062 | -119.130096 | 1441.0 | 68.0 | 10.0 | 25 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 13, 14 | NaN | NaN | Tma | Matilija Sandstone | Sandstone | Channel | Eocene | Topatopa Mountains | Sisar Canyon. Exposed bedrock along road. |
| 18-Jun-10 | 34.467030 | -119.126236 | 947.0 | 45.7 | 10.0 | 25 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 15 | NaN | NaN | Tjsh | Juncal Formation | Shale | Channel | Eocene | Topatopa Mountains | Sisar Canyon. Very friable shale. |
| 18-Jun-11 | 34.517719 | -119.180374 | 914.0 | 40.5 | 10.0 | 25 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 16 | NaN | NaN | Kush | Unnamed Marine Strata | Shale | Ridge | Cretaceous | Topatopa Mountains | Sisar Canyon. Bedrock exposed in road surface. |
| 18-Jun-12 | 33.993019 | -119.852768 | NaN | NaN | 10.0 | 25 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 17 | NaN | NaN | Tc | Canada Formation | Shale | Ridge | Eocene | Santa Cruz Island | Bedrock not exposed along transect. Steep cliff to northeast. Reflections in data. Data from this site not analyzed for Vs profile |
| 18-Jun-13 | 33.998646 | -119.854317 | 481.0 | 22.9 | 5.0 | 25 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 18 | NaN | NaN | Tc | Canada Formation | Shale | Ridge | Eocene | Santa Cruz Island | Bedrock not exposed along transect. Better than 18Jun-13. |
| 18-Jun-14 | 33.988853 | -119.718201 | 432.0 | 24.4 | 10.0 | 25 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 19 | NaN | NaN | sc | Santa Cruz Island Schist | Schist | Ridge | Jurassic | Santa Cruz Island | Ridge top, small saddle. Spikes used on profile next to road. |
| 18-Jun-15 | 34.433449 | -118.761887 | 415.0 | 24.4 | 6.0 | 25 | NaN | NaN | 6.0 | Jun\_2018\_Raw\_Data | 21 | NaN | 22-42 | Ttog | Towsley Formation | Conglomerate | Hillslope | Miocene-Pliocene | Topatopa Mountains | Profile crosses into Tsq Sisquoc Formation. |
| 18-Jun-16 | 34.046696 | -118.828423 | 535.0 | 23.5 | 6.0 | 25 | NaN | NaN | 6.0 | Jun\_2018\_Raw\_Data | 44, 45 | NaN | 46-67 | Tsp | Sespe Formation | Sandstone | Ridge | Oligocene | Santa Monica Mountains | Profile follows contact with Tsu Santa Susana Formation |
| 18-Jun-17 | 34.085625 | -118.509277 | 475.0 | 25.0 | 6.0 | 25 | NaN | NaN | 6.0 | Jun\_2018\_Raw\_Data | 68, 69 | NaN | 70-90 | sms | Santa Monica Slate | Slate | Ridge | Jurassic | Santa Monica Mountains | Bedrock exposed along profile. |
| 18-Jun-18 | 34.108055 | -118.361061 | 816.0 | 30.5 | 6.0 | 25 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 91 | NaN | NaN | qd | Granitic Rocks | Quartz Diorite | Channel | Cretaceous | Santa Monica Mountains | Outcrop above site. Modelled with velocity contrast at 9 meters depth. Removed upper 20ft of profile for edited Vs (likely fill) |
| 18-Jun-19 | 34.091259 | -118.269287 | 427.0 | 17.1 | 4.0 | 20 | NaN | NaN | NaN | Jun\_2018\_Raw\_Data | 92 | NaN | NaN | Tmss | Monterey Formation | Sandstone | Hillslope | Miocene | Los Angeles | Flat bases on pavement |
| 18-Seismic-19 | 34.044243 | -118.937454 | NaN | NaN | 3.0 | 10 | NaN | NaN | NaN | Socal\_Jan\_2018\_Raw\_Data | NaN | NaN | NaN | Ttus | Upper Topanga Formation | Sandstone | Marine Terrace | Miocene | Santa Monica Mountains | Same as site 18-Seismic-6. Data from this site not analyzed for Vs profile |