

**Table T1.** Index properties, compressional wave and shear wave velocities, attenuation, mineralogy, and deformation information. (See [table notes](#). Continued on next 27 pages.)

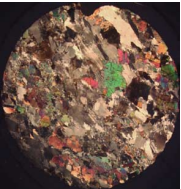
| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)  | Depth<br>(mbsf) | Porosity<br>(%) | Bulk density<br>(g/cm <sup>3</sup> ) | Grain density<br>(g/cm <sup>3</sup> ) | Pc<br>(MPa)                 | Pp<br>(MPa) | Ep<br>(MPa) | Vp<br>(m/s) | Vs1<br>(m/s) | Vs2<br>(m/s) | Vp<br>Anisotropy | Vs<br>Anisotropy | Vsmax<br>Anisotropy | Qp    | Qs1  | Qs2  |      |     |  |
|---|-----------------|-----------------|--------------------------------------|---------------------------------------|-----------------------------|-------------|-------------|-------------|--------------|--------------|------------------|------------------|---------------------|-------|------|------|------|-----|--|
| 176-735B-96R-2 (49-51) h'   | 550.29          | 0.87            | 2.95                                 | 2.96                                  | 10.0                        | 2.1         | 7.9         | 6649        | 3799         | 3805         | -0.7             | 0.0              | 0.7                 |       |      |      |      |     |  |
|   |                 |                 |                                      |                                       | 20.3                        | 2.0         | 18.3        | 6748        | 3805         | 3802         | 1.9              | 0.0              | 0.7                 |       |      |      |      |     |  |
|   |                 |                 |                                      |                                       | 40.2                        | 2.1         | 38.1        | 6669        | 3791         | 3796         | 0.0              | 0.0              | 0.5                 |       |      |      |      |     |  |
|   |                 |                 |                                      |                                       | 60.4                        | 2.0         | 58.3        | 6712        | 3818         | 3809         | 0.6              | -0.1             | 0.6                 | 20.3  | 14.8 | 15.2 |      |     |  |
|   |                 |                 |                                      |                                       | 80.2                        | 2.1         | 78.0        | 6695        | 3802         | 3774         | -0.2             | -0.2             | 0.3                 |       |      |      |      |     |  |
|   |                 |                 |                                      |                                       | 100.3                       | 2.1         | 98.2        | 6744        | 3830         | 3789         | 0.3              | -0.3             | 0.3                 | 30.7  | 21.6 | 19.1 |      |     |  |
|   |                 |                 |                                      |                                       | 150.1                       | 2.1         | 148.0       | 6811        | 3841         | 3825         | 0.7              | -0.1             | 0.5                 | 38.5  | 32.5 | 29.8 |      |     |  |
|   |                 |                 |                                      |                                       | 200.3                       | 2.1         | 198.2       | 6859        | 3857         | 3860         | 0.9              | 0.0              | 0.5                 | 41.4  | 32.7 | 29.9 |      |     |  |
|   |                 |                 |                                      |                                       | 100.4                       | 2.1         | 98.3        | 6757        | 3832         | 3808         | 0.2              | -0.2             | 0.5                 |       |      |      |      |     |  |
|   |                 |                 |                                      |                                       | 60.2                        | 2.1         | 58.1        | 6731        | 3835         | 3816         | 0.7              | -0.1             | 0.5                 | 20.9  | 16.2 | 15.5 |      |     |  |
|   |                 |                 |                                      |                                       | 10.5                        | 2.0         | 8.5         | 6694        | 3802         | 3802         | 0.7              | 0.0              | 0.6                 |       |      |      |      |     |  |
|   |                 |                 |                                      |                                       | 176-735B-96R-2 (54-58) v    | 550.34      | 0.92        | 3.06        | 3.08         | 10.0         | 2.1              | 7.8              | 6695                | 3674  | 3699 |      | -0.2 |     |  |
| 20.1  | 2.1             | 18.0            | 6624                                 | 3685                                  |                             |             |             |             |              | 3702         |                  | -0.1             |                     |       |      |      |      |     |  |
| 39.9  | 2.2             | 37.7            | 6669                                 | 3698                                  |                             |             |             |             |              | 3714         |                  | -0.1             |                     |       |      |      |      |     |  |
| 60.1  | 2.1             | 58.0            | 6675                                 | 3711                                  |                             |             |             |             |              | 3718         |                  | 0.0              |                     | 17.9  | 13.0 | 14.2 |      |     |  |
| 80.2  | 2.1             | 78.1            | 6706                                 | 3729                                  |                             |             |             |             |              | 3729         |                  | 0.0              |                     |       |      |      |      |     |  |
| 100.2   | 2.1             | 98.1            | 6724                                 | 3740                                  |                             |             |             |             |              | 3746         |                  | 0.0              |                     | 23.4  | 16.6 | 19.6 |      |     |  |
| 150.2   | 2.1             | 148.1           | 6762                                 | 3781                                  |                             |             |             |             |              | 3754         |                  | 0.2              |                     | 36.5  | 18.7 | 21.9 |      |     |  |
| 200.0   | 2.1             | 198.0           | 6796                                 | 3788                                  |                             |             |             |             |              | 3779         |                  | 0.1              |                     | 44.3  | 19.2 | 25.2 |      |     |  |
| 100.1   | 2.1             | 98.0            | 6745                                 | 3750                                  |                             |             |             |             |              | 3733         |                  | 0.1              |                     |       |      |      |      |     |  |
| 60.2  | 2.1             | 58.2            | 6683                                 | 3729                                  |                             |             |             |             |              | 3738         |                  | -0.1             |                     | 18.8  | 13.3 | 15.4 |      |     |  |
| 10.0  | 2.1             | 7.9             | 6650                                 | 3694                                  |                             |             |             |             |              | 3710         |                  | -0.1             |                     |       |      |      |      |     |  |
| 176-735B-116R-4 (127-129) h<br> | 677.04          | 0.59            | 2.96                                 | 2.97                                  |                             |             |             |             |              | 10.0         | 2.1              | 7.9              | 6911                | 3867  | 3833 | 1.0  | 0.2  | 0.5 |  |
|   |                 |                 |                                      |                                       | 20.3                        | 1.9         | 18.3        | 6880        | 3871         | 3838         | 1.8              | 0.2              | 0.5                 |       |      |      |      |     |  |
|   |                 |                 |                                      |                                       | 40.1                        | 2.1         | 38.0        | 6881        | 3880         | 3825         | 1.9              | 0.4              | 0.6                 |       |      |      |      |     |  |
|   |                 |                 |                                      |                                       | 60.2                        | 2.1         | 58.2        | 6865        | 3873         | 3823         | 1.7              | 0.3              | 0.6                 | 20.2  | 16.7 | 11.6 |      |     |  |
|   |                 |                 |                                      |                                       | 80.3                        | 2.0         | 78.2        | 6873        | 3875         | 3817         | 1.6              | 0.4              | 0.6                 |       |      |      |      |     |  |
|   |                 |                 |                                      |                                       | 100.6                       | 2.0         | 98.6        | 6893        | 3886         | 3810         | 1.8              | 0.5              | 0.8                 | 24.9  | 24.2 | 13.2 |      |     |  |
|   |                 |                 |                                      |                                       | 150.3                       | 2.0         | 148.3       | 6946        | 3873         | 3831         | 1.8              | 0.3              | 0.8                 | 34.6  | 27.4 | 15.0 |      |     |  |
|   |                 |                 |                                      |                                       | 200.1                       | 2.1         | 198.1       | 6974        | 3862         | 3830         | 1.7              | 0.2              | -0.9                | 35.2  | 28.4 | 16.1 |      |     |  |
|   |                 |                 |                                      |                                       | 100.3                       | 2.1         | 98.2        | 6938        | 3862         | 3798         | 1.4              | 0.4              | 1.0                 |       |      |      |      |     |  |
|   |                 |                 |                                      |                                       | 60.2                        | 2.1         | 58.1        | 6866        | 3852         | 3795         | 2.0              | 0.4              | 0.8                 | 19.0  | 16.6 | 9.9  |      |     |  |
|   |                 |                 |                                      |                                       | 10.2                        | 2.1         | 8.2         | 6834        | 3846         | 3799         | 2.4              | 0.3              | 0.8                 |       |      |      |      |     |  |
|   |                 |                 |                                      |                                       | 176-735B-116R-4 (129-133) v | 677.06      | 0.50        | 2.96        | 2.97         | 10.1         | 2.2              | 7.9              | 6983                | 3868  | 3918 |      | 0.3  |     |  |
| 20.0  | 2.2             | 17.8            | 7007                                 | 3876                                  |                             |             |             |             |              | 3917         |                  | 0.3              |                     |       |      |      |      |     |  |
| 40.1  | 2.2             | 37.9            | 7013                                 | 3892                                  |                             |             |             |             |              | 3921         |                  | 0.2              |                     |       |      |      |      |     |  |
| 60.2  | 2.2             | 58.1            | 6985                                 | 3884                                  |                             |             |             |             |              | 3912         |                  | 0.2              |                     | 46.1  | 21.7 | 14.4 |      |     |  |
| 80.5  | 2.1             | 78.4            | 6985                                 | 3928                                  |                             |             |             |             |              | 3915         |                  | -0.1             |                     |       |      |      |      |     |  |
| 100.4   | 2.2             | 98.2            | 7016                                 | 3906                                  |                             |             |             |             |              | 3934         |                  | 0.2              |                     | 66.9  | 30.3 | 18.1 |      |     |  |
| 150.3   | 2.2             | 148.1           | 7074                                 | 3950                                  |                             |             |             |             |              | 3949         |                  | 0.0              |                     | 260.0 | 37.9 | 22.9 |      |     |  |
| 200.2   | 2.1             | 198.1           | 7095                                 | 3932                                  |                             |             |             |             |              | 3964         |                  | 0.2              |                     | inf   | 38.2 | 28.9 |      |     |  |
| 100.4   | 2.2             | 98.2            | 7038                                 | 3906                                  |                             |             |             |             |              | 3955         |                  | 0.3              |                     |       |      |      |      |     |  |
| 60.3  | 2.1             | 58.2            | 7007                                 | 3915                                  |                             |             |             |             |              | 3925         |                  | 0.1              |                     | 46.4  | 24.6 | 14.6 |      |     |  |
| 10.0  | 2.2             | 7.9             | 6999                                 | 3906                                  |                             |             |             |             |              | 3925         |                  | 0.1              |                     |       |      |      |      |     |  |
| 176-735B-116R-5 (7-9) h'  | 677.27          | 0.75            | 2.92                                 | 2.93                                  |                             |             |             |             |              | 10.1         | 2.1              | 8.0              | 6905                | 3803  | 3783 |      | 0.1  |     |  |
|   |                 |                 |                                      |                                       | 20.0                        | 2.2         | 17.8        | 6882        | 3814         | 3807         |                  | 0.0              |                     |       |      |      |      |     |  |
|   |                 |                 |                                      |                                       | 40.2                        | 2.1         | 38.1        | 6913        | 3846         | 3822         |                  | 0.2              |                     |       |      |      |      |     |  |
|   |                 |                 |                                      |                                       | 60.2                        | 2.1         | 58.1        | 6876        | 3837         | 3835         |                  | 0.0              |                     | 14.0  | 12.5 | 13.4 |      |     |  |
|   |                 |                 |                                      |                                       | 80.5                        | 2.1         | 78.5        | 6829        | 3851         | 3850         |                  | 0.0              |                     |       |      |      |      |     |  |
|   |                 |                 |                                      |                                       | 100.2                       | 2.2         | 98.1        | 6850        | 3870         | 3868         |                  | 0.0              |                     | 21.7  | 18.9 | 18.9 |      |     |  |
|   |                 |                 |                                      |                                       | 150.2                       | 2.1         | 148.0       | 6939        | 3886         | 3895         |                  | -0.1             |                     | 27.9  | 19.7 | 24.1 |      |     |  |
|   |                 |                 |                                      |                                       | 200.2                       | 2.1         | 198.1       | 6991        | 3915         | 3906         |                  | 0.1              |                     | 22.9  | 18.1 | 23.2 |      |     |  |
|   |                 |                 |                                      |                                       | 100.5                       | 2.1         | 98.4        | 6846        | 3874         | 3871         |                  | 0.0              |                     |       |      |      |      |     |  |
|   |                 |                 |                                      |                                       | 60.3                        | 2.1         | 58.1        | 6853        | 3849         | 3841         |                  | 0.1              |                     | 13.9  | 12.9 | 12.7 |      |     |  |
|   |                 |                 |                                      |                                       | 10.2                        | 2.1         | 8.1         | 6811        | 3826         | 3826         |                  | 0.0              |                     |       |      |      |      |     |  |

Table T1 (continued).

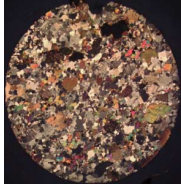
| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)   | Depth<br>(mbsf) | Porosity<br>(%) | Bulk density<br>(g/cm <sup>3</sup> ) | Grain density<br>(g/cm <sup>3</sup> ) | Pc<br>(MPa) | Pp<br>(MPa) | Ep<br>(MPa) | Vp<br>(m/s) | Vs1<br>(m/s) | Vs2<br>(m/s) | Vp<br>Anisotropy | Vs<br>Anisotropy | Vsmax<br>Anisotropy | Qp    | Qs1   | Qs2  |  |  |  |  |  |
|--|-----------------|-----------------|--------------------------------------|---------------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|------------------|------------------|---------------------|-------|-------|------|--|--|--|--|--|
| 176-735B-133R-2 (126-128) h'   | 825.50          | 0.73            | 2.93                                 | 2.95                                  | 10.1        | 2.2         | 7.9         | 6952        | 3843         | 3797         | 0.9              | 0.3              | -0.1                |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 20.1        | 2.2         | 17.9        | 6885        | 3842         | 3808         | 0.5              | 0.2              | 0.0                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 40.3        | 2.2         | 38.1        | 6913        | 3871         | 3815         | 0.3              | 0.4              | 0.2                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 60.2        | 2.2         | 58.0        | 6949        | 3875         | 3858         | 0.7              | 0.1              | 0.3                 | 13.4  | 8.7   | 9.4  |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 80.3        | 2.2         | 78.1        | 6988        | 3879         | 3855         | 1.2              | 0.2              | 0.3                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 100.4       | 2.2         | 98.1        | 7024        | 3895         | 3882         | 2.1              | 0.1              | 0.4                 | 17.3  | 8.3   | 9.5  |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 150.3       | 2.2         | 148.1       | 7077        | 3919         | 3903         | 2.1              | 0.1              | 0.3                 | 19.8  | 9.9   | 12.6 |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 200.2       | 2.3         | 197.9       | 7150        | 3926         | 3899         | 2.8              | 0.2              | 0.4                 | 17.9  | 9.1   | 13.6 |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 100.4       | 2.2         | 98.1        | 7002        | 3956         | 3897         | 1.1              | 0.4              | 0.4                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 60.3        | 2.2         | 58.0        | 7012        | 3933         | 3884         | 1.5              | 0.3              | 0.4                 | 14.1  | 8.5   | 9.2  |  |  |  |  |  |
| 10.2   | 2.3             | 7.9             | 6885                                 | 3884                                  | 3864        | 0.4         | 0.1         | 0.1         |              |              |                  |                  |                     |       |       |      |  |  |  |  |  |
| 176-735B-133R-3 (0-7) v<br> | 825.63          | 1.49            | 2.96                                 | 2.99                                  | 9.8         | 2.2         | 7.5         | 6893        | 3895         | 3867         |                  |                  | -0.2                |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 19.8        | 2.2         | 17.6        | 6849        | 3880         | 3848         |                  |                  | -0.2                |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 40.1        | 2.2         | 37.9        | 6891        | 3863         | 3856         |                  |                  | 0.0                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 60.1        | 2.2         | 58.0        | 6898        | 3850         | 3844         |                  |                  | 0.0                 | 30.7  | 17.5  | 17.1 |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 80.3        | 2.1         | 78.2        | 6902        | 3846         | 3852         |                  |                  | 0.0                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 100.1       | 2.2         | 97.9        | 6878        | 3850         | 3847         |                  |                  | 0.0                 | 48.9  | 22.0  | 21.7 |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 150.1       | 2.1         | 148.0       | 6931        | 3860         | 3865         |                  |                  | 0.0                 | 107.0 | 24.5  | 27.2 |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 200.1       | 2.1         | 198.0       | 6955        | 3872         | 3894         |                  |                  | 0.1                 | 162.0 | 26.7  | 26.9 |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 100.4       | 2.1         | 98.3        | 6922        | 3847         | 3852         |                  |                  | 0.0                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 60.3        | 2.1         | 58.1        | 6907        | 3845         | 3849         |                  |                  | 0.0                 | 34.4  | 17.8  | 16.8 |  |  |  |  |  |
| 10.0   | 2.2             | 7.8             | 6860                                 | 3883                                  | 3853        |             |             | -0.2        |              |              |                  |                  |                     |       |       |      |  |  |  |  |  |
| 176-735B-133R-3 (7-9) h  | 825.70          | 0.44            | 2.94                                 | 2.95                                  | 10.1        | 2.1         | 7.9         | 6973        | 3872         | 3882         |                  |                  | 0.1                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 20.1        | 2.1         | 18.0        | 7052        | 3903         | 3886         |                  |                  | -0.1                |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 40.3        | 2.1         | 38.2        | 7049        | 3889         | 3890         |                  |                  | 0.0                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 60.3        | 2.1         | 58.2        | 7048        | 3891         | 3899         |                  |                  | 0.1                 | 130.0 | 53.0  | 30.5 |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 80.1        | 2.2         | 77.9        | 7055        | 3895         | 3897         |                  |                  | 0.0                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 100.2       | 2.1         | 98.1        | 7071        | 3903         | 3905         |                  |                  | 0.0                 | 540.0 | 109.0 | 39.1 |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 150.2       | 2.1         | 148.1       | 7109        | 3896         | 3912         |                  |                  | 0.1                 | inf   | 77.5  | 50.2 |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 200.0       | 2.1         | 197.9       | 7130        | 3909         | 3930         |                  |                  | 0.1                 | inf   | 71.8  | 42.2 |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 100.3       | 2.1         | 98.2        | 7079        | 3895         | 3903         |                  |                  | 0.1                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 60.2        | 2.1         | 58.1        | 7053        | 3893         | 3900         |                  |                  | 0.0                 | 115.0 | 65.2  | 25.3 |  |  |  |  |  |
| 10.4   | 2.0             | 8.4             | 7039                                 | 3884                                  | 3894        |             |             | 0.1         |              |              |                  |                  |                     |       |       |      |  |  |  |  |  |
| 176-735B-142R-3 (86-88) h'   | 896.47          | 1.04            | 3.01                                 | 3.03                                  | 10.3        | 2.1         | 8.3         | 7122        | 3618         | 3930         | 8.9              | 2.1              | 2.3                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 20.0        | 2.2         | 17.9        | 7090        | 3695         | 3936         | 4.2              | 1.6              | 2.9                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 40.1        | 2.2         | 37.9        | 7109        | 3730         | 3951         | 4.2              | 1.4              | 3.5                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 60.2        | 2.1         | 58.1        | 7115        | 3753         | 3999         | 4.0              | 1.6              | 2.8                 | 6.5   | 5.3   | 4.9  |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 80.1        | 2.2         | 78.0        | 7125        | 3748         | 3981         | 3.8              | 1.5              | 2.5                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 100.2       | 2.2         | 98.0        | 7140        | 3766         | 3985         | 3.8              | 1.4              | 2.2                 | 6.4   | 7.0   | 6.0  |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 150.4       | 2.1         | 148.3       | 7269        | 3799         | 4047         | 4.6              | 1.6              | 2.1                 | 8.2   | 8.3   | 7.9  |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 200.3       | 2.1         | 198.2       | 7367        | 3831         | 4088         | 5.9              | 1.6              | 2.6                 | 9.0   | 8.8   | 8.4  |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 100.6       | 2.0         | 98.6        | 7165        | 3780         | 3997         | 3.4              | 1.4              | 1.9                 |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 60.4        | 2.1         | 58.3        | 7149        | 3751         | 3988         | 3.7              | 1.5              | 2.0                 | 7.0   | 5.6   | 5.3  |  |  |  |  |  |
| 10.4   | 2.1             | 8.3             | 7047                                 | 3687                                  | 3945        | 9.0         | 1.7         | 2.9         |              |              |                  |                  |                     |       |       |      |  |  |  |  |  |
| 176-735B-142R-3 (86-88) h' 45°   | 896.47          | 1.04            | 3.01                                 | 3.03                                  | 10.2        | 2.1         | 8.1         | 6957        | 3699         | 3606         | 6.4              | 0.6              |                     |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 20.2        | 2.1         | 18.1        | 7061        | 3835         | 3648         | 3.8              | 1.2              |                     |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 40.0        | 2.2         | 37.8        | 7114        | 3981         | 3734         | 4.3              | 1.6              |                     |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 60.1        | 2.1         | 58.0        | 7198        | 3964         | 3737         | 5.2              | 1.5              |                     | 6.8   | 8.0   | 7.3  |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 80.3        | 2.1         | 78.2        | 7370        | 3981         | 3705         | 7.3              | 1.8              |                     |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 100.2       | 2.1         | 98.1        | 7370        | 3964         | 3685         | 7.0              | 1.8              |                     | 8.0   | 9.8   | 7.7  |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 150.0       | 2.1         | 147.9       | 7468        | 4020         | 3729         | 7.4              | 1.9              |                     | 8.1   | 10.7  | 8.5  |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 199.9       | 2.1         | 197.8       | 7572        | 4164         | 3758         | 8.8              | 2.6              |                     | 8.0   | 9.4   | 8.2  |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 100.2       | 2.1         | 98.1        | 7168        | 3981         | 3691         | 3.4              | 1.9              |                     |       |       |      |  |  |  |  |  |
|  |                 |                 |                                      |                                       | 60.0        | 2.2         | 57.9        | 7223        | 3987         | 3745         | 4.7              | 1.6              |                     | 7.1   | 7.9   | 7.0  |  |  |  |  |  |
| 10.2   | 2.1             | 8.1             | 7168                                 | 3866                                  | 3648        | 10.8        | 1.5         |             |              |              |                  |                  |                     |       |       |      |  |  |  |  |  |

Table T1 (continued).

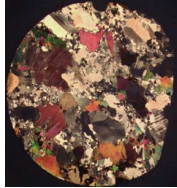
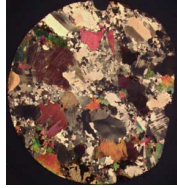
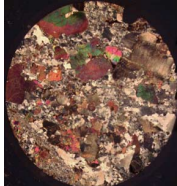
| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)   | Depth<br>(mbsf) | Porosity<br>(%) | Bulk density<br>(g/cm <sup>3</sup> ) | Grain density<br>(g/cm <sup>3</sup> ) | Pc<br>(MPa) | Pp<br>(MPa) | Ep<br>(MPa) | Vp<br>(m/s) | Vs1<br>(m/s) | Vs2<br>(m/s) | Vp<br>Anisotropy | Vs<br>Anisotropy | Vsmax<br>Anisotropy | Qp   | Qs1  | Qs2  |      |       |      |      |  |
|--|-----------------|-----------------|--------------------------------------|---------------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|------------------|------------------|---------------------|------|------|------|------|-------|------|------|--|
| 176-735B-142R-5 (0-6) v  | 898.44          | 0.87            | 2.91                                 | 2.93                                  | 10.1        | 2.1         | 8.0         | 6525        | 3580         | 3530         |                  |                  | 0.4                 |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 20.3        | 2.1         | 18.2        | 6802        | 3676         | 3625         |                  |                  |                     | 0.3  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 40.4        | 2.1         | 38.4        | 6820        | 3691         | 3647         |                  |                  |                     | 0.3  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.3        | 2.1         | 58.1        | 6836        | 3714         | 3672         |                  |                  |                     | 0.3  |      |      | 48.4 | 15.7  | 17.6 |      |  |
|  |                 |                 |                                      |                                       | 80.4        | 2.1         | 78.3        | 6858        | 3741         | 3687         |                  |                  |                     | 0.4  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 100.6       | 2.1         | 98.5        | 6876        | 3756         | 3708         |                  |                  |                     | 0.3  |      |      |      | 107.0 | 18.3 | 20.3 |  |
|  |                 |                 |                                      |                                       | 150.5       | 2.1         | 148.4       | 6941        | 3792         | 3744         |                  |                  |                     | 0.3  |      |      |      | 208.0 | 21.4 | 25.1 |  |
|  |                 |                 |                                      |                                       | 200.3       | 2.1         | 198.2       | 6945        | 3819         | 3769         |                  |                  |                     | 0.3  |      |      |      | 147.0 | 22.3 | 25.7 |  |
|  |                 |                 |                                      |                                       | 100.5       | 2.1         | 98.3        | 6928        | 3787         | 3734         |                  |                  |                     | 0.4  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.3        | 2.1         | 58.2        | 6893        | 3776         | 3729         |                  |                  |                     | 0.3  |      |      |      | 89.0  | 18.9 | 18.7 |  |
|  |                 |                 |                                      |                                       | 10.3        | 2.1         | 8.2         | 6452        | 3635         | 3584         |                  |                  |                     | 0.4  |      |      |      |       |      |      |  |
| 176-735B-142R-5 (6-8) h<br>                               | 898.50          | 0.76            | 2.93                                 | 2.94                                  | 10.1        | 2.1         | 8.0         | 6525        | 3580         | 3530         |                  |                  | 0.4                 |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 20.3        | 2.1         | 18.2        | 6802        | 3676         | 3625         |                  |                  |                     | 0.3  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 40.4        | 2.1         | 38.4        | 6820        | 3691         | 3647         |                  |                  |                     | 0.3  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.3        | 2.1         | 58.1        | 6836        | 3714         | 3672         |                  |                  |                     | 0.3  |      |      | 62.4 | 20.9  | 17.9 |      |  |
|  |                 |                 |                                      |                                       | 80.4        | 2.1         | 78.3        | 6858        | 3741         | 3687         |                  |                  |                     | 0.4  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 100.6       | 2.1         | 98.5        | 6876        | 3756         | 3708         |                  |                  |                     | 0.3  |      |      |      | 133.0 | 30.8 | 20.4 |  |
|  |                 |                 |                                      |                                       | 150.5       | 2.1         | 148.4       | 6941        | 3792         | 3744         |                  |                  |                     | 0.3  |      |      |      | inf   | 38.9 | 27.1 |  |
|  |                 |                 |                                      |                                       | 200.3       | 2.1         | 198.2       | 6945        | 3819         | 3769         |                  |                  |                     | 0.3  |      |      |      | inf   | 37.9 | 31.6 |  |
|  |                 |                 |                                      |                                       | 100.5       | 2.1         | 98.3        | 6928        | 3787         | 3734         |                  |                  |                     | 0.4  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.3        | 2.1         | 58.2        | 6893        | 3776         | 3729         |                  |                  |                     | 0.3  |      |      |      | 65.0  | 23.7 | 18.5 |  |
|  |                 |                 |                                      |                                       | 10.3        | 2.1         | 8.2         | 6452        | 3635         | 3584         |                  |                  |                     | 0.4  |      |      |      |       |      |      |  |
| 176-735B-142R-5 (6-8) h 45°<br>Parallel to foliation<br> | 898.50          | 0.76            | 2.93                                 | 2.94                                  | 10.0        | 2.2         | 7.8         | 6546        | 3440         | 3374         |                  |                  | 0.5                 |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 20.1        | 2.2         | 17.9        | 6546        | 3468         | 3408         |                  |                  |                     | 0.4  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 39.9        | 2.3         | 37.6        | 6622        | 3496         | 3456         |                  |                  |                     | 0.3  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.2        | 2.3         | 57.9        | 6736        | 3590         | 3548         |                  |                  |                     | 0.3  |      |      |      | 28.5  | 18.6 | 12.2 |  |
|  |                 |                 |                                      |                                       | 80.2        | 2.3         | 78.0        | 6781        | 3654         | 3603         |                  |                  |                     | 0.4  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 100.2       | 2.3         | 98.0        | 6863        | 3686         | 3634         |                  |                  |                     | 0.4  |      |      |      | 36.4  | 20.8 | 18.1 |  |
|  |                 |                 |                                      |                                       | 150.2       | 2.3         | 147.9       | 6891        | 3763         | 3700         |                  |                  |                     | 0.4  |      |      |      | 52.8  | 21.9 | 23.0 |  |
|  |                 |                 |                                      |                                       | 200.1       | 2.3         | 197.8       | 6947        | 3810         | 3755         |                  |                  |                     | 0.4  |      |      |      | 52.2  | 18.8 | 26.4 |  |
|  |                 |                 |                                      |                                       | 100.3       | 2.3         | 98.0        | 6863        | 3743         | 3689         |                  |                  |                     | 0.4  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.1        | 2.3         | 57.8        | 6854        | 3727         | 3678         |                  |                  |                     | 0.3  |      |      |      | 39.0  | 21.5 | 15.3 |  |
|  |                 |                 |                                      |                                       | 10.0        | 2.3         | 7.6         | 6099        | 3511         | 3442         |                  |                  |                     | 0.5  |      |      |      |       |      |      |  |
| 176-735B-147R-6 (32-39) v  | 947.26          | 0.74            | 2.95                                 | 2.96                                  | 10.3        | 2.1         | 8.2         | 6135        | 3253         | 3173         | 2.3              | 0.6              | 2.3                 |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 20.3        | 2.1         | 18.2        | 6302        | 3312         | 3254         | -1.5             | 0.4              | 2.3                 |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 40.2        | 2.2         | 38.0        | 6492        | 3386         | 3340         | 0.7              | 0.3              | 2.0                 |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.4        | 2.1         | 58.3        | 6635        | 3494         | 3444         | 0.8              | 0.4              | 1.5                 | 18.2 | 18.0 | 14.1 |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 80.3        | 2.1         | 78.2        | 6730        | 3576         | 3524         | 1.1              | 0.4              | 1.1                 |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 100.7       | 2.0         | 98.7        | 6766        | 3601         | 3560         | 2.0              | 0.3              | 0.8                 | 27.5 | 21.9 | 15.4 |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 150.3       | 2.1         | 148.2       | 6875        | 3682         | 3647         | 0.9              | 0.2              | 1.0                 | 51.9 | 24.1 | 21.1 |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 200.3       | 2.1         | 198.3       | 6951        | 3742         | 3705         | 3.8              | 0.2              | 1.0                 | 75.5 | 23.0 | 23.2 |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 100.4       | 2.1         | 98.3        | 6868        | 3697         | 3657         | 1.4              | 0.3              | 1.1                 |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.3        | 2.1         | 58.1        | 6799        | 3672         | 3622         | 0.5              | 0.3              | 1.4                 | 19.9 | 22.7 | 17.1 |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 10.5        | 2.0         | 8.5         | 6043        | 3422         | 3311         | 5.4              | 0.8              | 1.1                 |      |      |      |      |       |      |      |  |
| 176-735B-147R-6 (39-41) h<br>                           | 947.33          | 0.81            | 2.93                                 | 2.94                                  | 10.1        | 2.1         | 8.0         | 6538        | 3396         | 3386         |                  |                  | 0.1                 |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 20.2        | 2.1         | 18.1        | 6580        | 3453         | 3436         |                  |                  |                     | 0.1  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 39.9        | 2.2         | 37.7        | 6717        | 3576         | 3541         |                  |                  |                     | 0.2  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.1        | 2.2         | 58.0        | 6804        | 3675         | 3641         |                  |                  |                     | 0.2  |      |      |      | 39.1  | 18.3 | 15.8 |  |
|  |                 |                 |                                      |                                       | 80.5        | 2.0         | 78.5        | 6875        | 3721         | 3694         |                  |                  |                     | 0.2  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 100.3       | 2.1         | 98.1        | 6879        | 3729         | 3717         |                  |                  |                     | 0.1  |      |      |      | 50.5  | 22.1 | 16.0 |  |
|  |                 |                 |                                      |                                       | 150.2       | 2.1         | 148.1       | 6951        | 3784         | 3775         |                  |                  |                     | 0.1  |      |      |      | 152.0 | 24.3 | 18.8 |  |
|  |                 |                 |                                      |                                       | 200.1       | 2.2         | 197.9       | 6983        | 3835         | 3827         |                  |                  |                     | 0.1  |      |      |      | 144.0 | 23.7 | 21.3 |  |
|  |                 |                 |                                      |                                       | 100.4       | 2.1         | 98.2        | 6920        | 3789         | 3779         |                  |                  |                     | 0.1  |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.2        | 2.2         | 58.0        | 6930        | 3794         | 3754         |                  |                  |                     | 0.3  |      |      |      | 45.0  | 21.0 | 14.7 |  |
|  |                 |                 |                                      |                                       | 10.3        | 2.1         | 8.3         | 5914        | 3435         | 3424         |                  |                  |                     | 0.1  |      |      |      |       |      |      |  |

Table T1 (continued).

| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation) | Depth<br>(mbsf) | Porosity<br>(%) | Bulk density<br>(g/cm <sup>3</sup> ) | Grain density<br>(g/cm <sup>3</sup> ) | Pc<br>(MPa)                    | Pp<br>(MPa) | Ep<br>(MPa) | Vp<br>(m/s) | Vs1<br>(m/s) | Vs2<br>(m/s) | Vp<br>Anisotropy | Vs<br>Anisotropy | Vsmax<br>Anisotropy | Qp   | Qs1  | Qs2  |      |       |      |      |  |
|--|-----------------|-----------------|--------------------------------------|---------------------------------------|--------------------------------|-------------|-------------|-------------|--------------|--------------|------------------|------------------|---------------------|------|------|------|------|-------|------|------|--|
| 176-735B-147R-6 (43-45) h'                             | 947.37          | 0.82            | 2.93                                 | 2.94                                  | 9.9                            | 2.2         | 7.7         | 6545        | 3408         | 3388         |                  | 0.1              |                     |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 20.1                           | 2.1         | 18.0        | 6608        | 3445         | 3402         |                  | 0.3              |                     |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 40.4                           | 2.1         | 38.3        | 6675        | 3540         | 3488         |                  | 0.4              |                     |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.2                           | 2.1         | 58.1        | 6793        | 3646         | 3581         |                  | 0.5              |                     |      |      |      | 44.8 | 16.8  | 14.5 |      |  |
|  |                 |                 |                                      |                                       | 80.4                           | 2.1         | 78.3        | 6787        | 3720         | 3659         |                  | 0.4              |                     |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 100.3                          | 2.1         | 98.2        | 6862        | 3759         | 3681         |                  | 0.5              |                     |      |      |      |      | 99.3  | 13.3 | 15.5 |  |
|  |                 |                 |                                      |                                       | 150.3                          | 2.1         | 148.2       | 6949        | 3810         | 3771         |                  | 0.3              |                     |      |      |      |      | 166.0 | 15.3 | 21.8 |  |
|  |                 |                 |                                      |                                       | 200.2                          | 2.1         | 198.1       | 6975        | 3842         | 3787         |                  | 0.4              |                     |      |      |      |      | 308.0 | 17.0 | 24.6 |  |
|  |                 |                 |                                      |                                       | 100.4                          | 2.1         | 98.4        | 6995        | 3854         | 3768         |                  | 0.6              |                     |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.1                           | 2.2         | 58.0        | 6902        | 3790         | 3735         |                  | 0.4              |                     |      |      |      |      | 76.1  | 17.6 | 15.6 |  |
|  |                 |                 |                                      |                                       | 10.2                           | 2.1         | 8.2         | 6046        | 3436         | 3380         |                  | 0.4              |                     |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 176-735B-147R-6 (43-45) h' 45° | 947.37      | 0.82        | 2.93        | 2.94         | 10.1         | 2.1              | 8.0              | 6499                | 3304 | 3318 |      | 0.1  |       |      |      |  |
|  |                 |                 |                                      |                                       |                                |             |             |             |              | 20.1         | 2.1              | 18.0             | 6570                | 3359 | 3380 |      | 0.2  |       |      |      |  |
| 39.9   | 2.2             | 37.7            | 6691                                 | 3455                                  |                                |             |             |             |              | 3471         |                  | 0.1              |                     |      |      |      |      |       |      |      |  |
| 60.1   | 2.1             | 58.0            | 6861                                 | 3562                                  |                                |             |             |             |              | 3586         |                  | 0.2              |                     |      |      |      |      | 32.1  | 16.4 | 15.7 |  |
| 80.1   | 2.1             | 78.0            | 6895                                 | 3636                                  |                                |             |             |             |              | 3661         |                  | 0.2              |                     |      |      |      |      |       |      |      |  |
| 100.2  | 2.1             | 98.1            | 6922                                 | 3665                                  |                                |             |             |             |              | 3683         |                  | 0.1              |                     |      |      |      |      | 60.7  | 19.9 | 19.4 |  |
| 150.1  | 2.1             | 148.0           | 6984                                 | 3736                                  |                                |             |             |             |              | 3765         |                  | 0.2              |                     |      |      |      |      | 167.0 | 18.0 | 23.4 |  |
| 199.9  | 2.1             | 197.8           | 7140                                 | 3796                                  |                                |             |             |             |              | 3823         |                  | 0.2              |                     |      |      |      |      | 221.0 | 17.7 | 22.8 |  |
| 100.3  | 2.1             | 98.2            | 7029                                 | 3757                                  |                                |             |             |             |              | 3775         |                  | 0.1              |                     |      |      |      |      |       |      |      |  |
| 60.2   | 2.1             | 58.1            | 6957                                 | 3723                                  |                                |             |             |             |              | 3752         |                  | 0.2              |                     |      |      |      |      | 43.0  | 17.5 | 16.3 |  |
| 10.2   | 2.1             | 8.1             | 6252                                 | 3429                                  |                                |             |             |             |              | 3425         |                  | 0.0              |                     |      |      |      |      |       |      |      |  |
| 176-735B-147R-6 (55-57) h'                             | 947.49          | 1.09            | 2.93                                 | 2.95                                  |                                |             |             |             |              | 10.1         | 2.1              | 7.9              | 6350                | 3473 | 3428 |      | 0.3  |       |      |      |  |
|  |                 |                 |                                      |                                       |                                |             |             |             |              | 20.1         | 2.1              | 18.0             | 6665                | 3572 | 3557 |      | 0.1  |       |      |      |  |
|  |                 |                 |                                      |                                       | 40.2                           | 2.1         | 38.1        | 6642        | 3618         | 3597         |                  | 0.1              |                     |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.2                           | 2.1         | 58.0        | 6810        | 3663         | 3660         |                  | 0.0              |                     |      |      |      |      | 14.9  | 14.0 | 9.4  |  |
|  |                 |                 |                                      |                                       | 80.3                           | 2.1         | 78.1        | 6822        | 3685         | 3741         |                  | -0.4             |                     |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 100.2                          | 2.1         | 98.1        | 6783        | 3682         | 3744         |                  | -0.4             |                     |      |      |      |      | 22.8  | 20.4 | 10.2 |  |
|  |                 |                 |                                      |                                       | 150.2                          | 2.1         | 148.1       | 6922        | 3791         | 3824         |                  | -0.2             |                     |      |      |      |      | 36.6  | 35.7 | 13.1 |  |
|  |                 |                 |                                      |                                       | 200.0                          | 2.2         | 197.9       | 6877        | 3852         | 3849         |                  | 0.0              |                     |      |      |      |      | 36.1  | 36.4 | 12.9 |  |
|  |                 |                 |                                      |                                       | 100.4                          | 2.1         | 98.3        | 6935        | 3815         | 3803         |                  | 0.1              |                     |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.3                           | 2.1         | 58.2        | 6926        | 3836         | 3840         |                  | 0.0              |                     |      |      |      |      | 18.9  | 18.4 | 10.7 |  |
|  |                 |                 |                                      |                                       | 10.2                           | 2.1         | 8.1         | 5925        | 3461         | 3473         |                  | -0.1             |                     |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 176-735B-154R-5 (32-34) h'     | 1010.59     | 0.96        | 2.93        | 2.95         | 10.1         | 2.1              | 8.0              | 6570                | 3580 | 3581 | 1.9  | 0.0  | 0.5   |      |      |  |
|  |                 |                 |                                      |                                       |                                |             |             |             |              | 20.1         | 2.1              | 18.0             | 6762                | 3653 | 3698 | 2.6  | 0.3  | 1.1   |      |      |  |
| 40.0   | 2.1             | 37.9            | 6858                                 | 3708                                  |                                |             |             |             |              | 3761         | 2.0              | 0.4              | 1.1                 |      |      |      |      |       |      |      |  |
| 60.1   | 2.1             | 58.0            | 6907                                 | 3790                                  |                                |             |             |             |              | 3832         | 1.5              | 0.3              | 0.9                 | 12.4 | 10.8 | 9.6  |      |       |      |      |  |
| 80.3   | 2.1             | 78.2            | 6909                                 | 3829                                  |                                |             |             |             |              | 3891         | 0.7              | 0.4              | 1.0                 |      |      |      |      |       |      |      |  |
| 100.2  | 2.1             | 98.1            | 6999                                 | 3860                                  |                                |             |             |             |              | 3917         | 2.4              | 0.4              | 1.1                 | 12.9 | 16.3 | 12.5 |      |       |      |      |  |
| 150.3  | 2.1             | 148.2           | 6983                                 | 3881                                  |                                |             |             |             |              | 3932         | 1.2              | 0.3              | 0.9                 | 13.8 | 15.6 | 10.7 |      |       |      |      |  |
| 200.3  | 2.1             | 198.2           | 7033                                 | 3912                                  |                                |             |             |             |              | 3957         | 0.7              | 0.3              | 0.8                 | 13.5 | 15.4 | 9.6  |      |       |      |      |  |
| 100.4  | 2.1             | 98.3            | 6952                                 | 3902                                  |                                |             |             |             |              | 3971         | 1.2              | 0.4              | 1.2                 |      |      |      |      |       |      |      |  |
| 60.3   | 2.1             | 58.2            | 6982                                 | 3889                                  |                                |             |             |             |              | 3910         | 1.4              | 0.1              | 0.8                 | 12.1 | 11.6 | 9.9  |      |       |      |      |  |
| 10.1   | 2.1             | 7.9             | 6371                                 | 3561                                  |                                |             |             |             |              | 3634         | 3.8              | 0.5              | 0.5                 |      |      |      |      |       |      |      |  |
| 176-735B-154R-5 (42-44) h                              | 1010.69         | 0.66            | 2.96                                 | 2.97                                  |                                |             |             |             |              | 10.2         | 2.0              | 8.2              | 6443                | 3449 | 3459 |      | -0.1 |       |      |      |  |
|  |                 |                 |                                      |                                       |                                |             |             |             |              | 20.4         | 2.0              | 18.4             | 6591                | 3489 | 3511 |      | -0.2 |       |      |      |  |
|  |                 |                 |                                      |                                       | 40.2                           | 2.0         | 38.1        | 6720        | 3596         | 3605         |                  | -0.1             |                     |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.2                           | 2.0         | 58.2        | 6804        | 3697         | 3710         |                  | -0.1             |                     |      |      |      | 24.7 | 22.1  | 13.5 |      |  |
|  |                 |                 |                                      |                                       | 80.5                           | 2.0         | 78.5        | 6860        | 3763         | 3754         |                  | 0.1              |                     |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 100.6                          | 1.9         | 98.7        | 6833        | 3763         | 3776         |                  | -0.1             |                     |      |      |      | 32.6 | 20.5  | 13.5 |      |  |
|  |                 |                 |                                      |                                       | 150.2                          | 2.1         | 148.1       | 6903        | 3822         | 3827         |                  | 0.0              |                     |      |      |      | 67.7 | 22.1  | 17.5 |      |  |
|  |                 |                 |                                      |                                       | 200.1                          | 2.0         | 198.1       | 6986        | 3851         | 3849         |                  | 0.0              |                     |      |      |      | 94.2 | 22.2  | 20.1 |      |  |
|  |                 |                 |                                      |                                       | 100.3                          | 2.0         | 98.3        | 6870        | 3842         | 3829         |                  | 0.1              |                     |      |      |      |      |       |      |      |  |
|  |                 |                 |                                      |                                       | 60.2                           | 2.0         | 58.2        | 6882        | 3805         | 3816         |                  | -0.1             |                     |      |      |      | 24.8 | 23.9  | 13.3 |      |  |
|  |                 |                 |                                      |                                       | 10.0                           | 2.1         | 7.9         | 6130        | 3509         | 3541         |                  | -0.2             |                     |      |      |      |      |       |      |      |  |

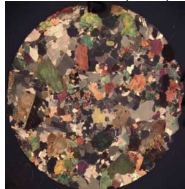


Table T1 (continued).

| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation) | Depth<br>(mbsf) | Porosity<br>(%) | Bulk density<br>(g/cm <sup>3</sup> ) | Grain density<br>(g/cm <sup>3</sup> ) | Pc<br>(MPa) | Pp<br>(MPa) | Ep<br>(MPa) | Vp<br>(m/s) | Vs1<br>(m/s) | Vs2<br>(m/s) | Vp<br>Anisotropy | Vs<br>Anisotropy | Vsmax<br>Anisotropy | Qp   | Qs1  | Qs2  |  |      |      |      |  |
|--|-----------------|-----------------|--------------------------------------|---------------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|------------------|------------------|---------------------|------|------|------|--|------|------|------|--|
| 176-735B-154R-5 (44-50) v                              | 1010.71         | 0.81            | 2.92                                 | 2.94                                  | 9.9         | 2.1         | 7.8         | 6664        | 3573         | 3508         |                  |                  | 0.5                 |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 20.0        | 2.1         | 17.9        | 6697        | 3589         | 3542         |                  |                  |                     | 0.3  |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 40.0        | 2.2         | 37.9        | 6787        | 3669         | 3600         |                  |                  |                     |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 60.1        | 2.1         | 58.0        | 6896        | 3741         | 3690         |                  |                  |                     |      |      |      |  | 22.5 | 30.1 | 16.9 |  |
|  |                 |                 |                                      |                                       | 80.2        | 2.1         | 78.1        | 6931        | 3797         | 3738         |                  |                  |                     |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 100.3       | 2.1         | 98.2        | 6928        | 3818         | 3745         |                  |                  |                     |      |      |      |  | 23.4 | 47.5 | 18.3 |  |
|  |                 |                 |                                      |                                       | 150.2       | 2.1         | 148.1       | 6960        | 3859         | 3790         |                  |                  |                     |      |      |      |  | 25.8 | 38.5 | 20.2 |  |
|  |                 |                 |                                      |                                       | 200.1       | 2.2         | 197.9       | 7009        | 3894         | 3839         |                  |                  |                     |      |      |      |  | 24.6 | 35.3 | 23.2 |  |
|  |                 |                 |                                      |                                       | 100.3       | 2.1         | 98.2        | 6960        | 3868         | 3790         |                  |                  |                     |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 60.2        | 2.1         | 58.1        | 6965        | 3846         | 3789         |                  |                  |                     |      |      |      |  | 22.5 | 35.1 | 18.1 |  |
|  |                 |                 |                                      |                                       | 10.1        | 2.2         | 7.9         | 6556        | 3666         | 3565         |                  |                  |                     |      |      |      |  |      |      |      |  |
| 176-735B-158R-4 (65-67) h'                             | 1048.63         | 0.40            | 2.96                                 | 2.97                                  | 10.0        | 2.1         | 7.9         | 6615        | 3494         | 3529         | 4.7              | -0.2             | 0.2                 |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 19.9        | 2.1         | 17.8        | 6687        | 3563         | 3558         | 5.7              | 0.0              | 0.8                 |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 40.4        | 2.0         | 38.4        | 6606        | 3626         | 3598         | 7.7              | 0.2              | 1.5                 |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 60.2        | 2.1         | 58.1        | 6722        | 3685         | 3649         | 7.9              | 0.2              | 1.8                 | 11.1 | 9.0  | 9.6  |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 80.3        | 2.1         | 78.2        | 6748        | 3750         | 3679         | 7.4              | 0.5              | 2.1                 |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 100.2       | 2.1         | 98.1        | 6751        | 3759         | 3671         | 7.8              | 0.6              | 2.3                 | 12.6 | 10.6 | 12.9 |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 150.3       | 2.0         | 148.2       | 6853        | 3803         | 3736         | 6.8              | 0.4              | 2.1                 | 14.4 | 10.1 | 15.2 |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 200.2       | 2.0         | 198.1       | 6923        | 3837         | 3771         | 5.9              | 0.4              | 2.1                 | 16.0 | 8.4  | 13.5 |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 100.2       | 2.1         | 98.1        | 6804        | 3770         | 3744         | 6.8              | 0.2              | 2.1                 |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 60.2        | 2.1         | 58.1        | 6792        | 3777         | 3706         | 7.3              | 0.5              | 2.2                 | 10.7 | 8.8  | 10.5 |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 10.0        | 2.1         | 7.9         | 6623        | 3625         | 3612         | -1.6             | 0.1              | -1.3                |      |      |      |  |      |      |      |  |
| 176-735B-158R-4 (80-84) v                              | 1048.78         | 0.83            | 2.96                                 | 2.98                                  | 10.1        | 2.1         | 8.0         | 6418        | 3248         | 3509         |                  |                  | 1.9                 |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 20.0        | 2.2         | 17.8        | 6694        | 3388         | 3606         |                  |                  |                     | 1.6  |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 40.1        | 2.1         | 37.9        | 6793        | 3556         | 3711         |                  |                  |                     | 1.1  |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 60.2        | 2.1         | 58.0        | 6891        | 3669         | 3767         |                  |                  |                     | 0.7  |      |      |  | 27.0 | 12.8 | 16.0 |  |
|  |                 |                 |                                      |                                       | 80.2        | 2.1         | 78.1        | 6963        | 3720         | 3783         |                  |                  |                     | 0.4  |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 100.3       | 2.1         | 98.2        | 6946        | 3717         | 3805         |                  |                  |                     | 0.6  |      |      |  | 29.1 | 15.3 | 19.4 |  |
|  |                 |                 |                                      |                                       | 150.2       | 2.1         | 148.0       | 6994        | 3788         | 3811         |                  |                  |                     | 0.2  |      |      |  | 35.9 | 18.1 | 24.3 |  |
|  |                 |                 |                                      |                                       | 200.1       | 2.1         | 198.0       | 7044        | 3831         | 3831         |                  |                  |                     | 0.0  |      |      |  | 39.4 | 15.9 | 22.6 |  |
|  |                 |                 |                                      |                                       | 100.4       | 2.1         | 98.3        | 6984        | 3752         | 3785         |                  |                  |                     | 0.2  |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 60.3        | 2.1         | 58.2        | 6910        | 3690         | 3796         |                  |                  |                     | 0.7  |      |      |  | 25.4 | 12.7 | 15.5 |  |
|  |                 |                 |                                      |                                       | 10.1        | 2.1         | 8.0         | 6526        | 3432         | 3677         |                  |                  |                     | 1.7  |      |      |  |      |      |      |  |
| 176-735B-158R-4 (84-86) h                              | 1048.82         | 0.90            | 2.99                                 | 3.01                                  | 10.0        | 2.1         | 7.9         | 6927        | 3560         | 3443         |                  |                  | 0.8                 |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 20.1        | 2.1         | 18.0        | 7077        | 3676         | 3561         |                  |                  |                     | 0.8  |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 40.1        | 2.1         | 38.0        | 7130        | 3825         | 3696         |                  |                  |                     | 0.9  |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 60.1        | 2.1         | 58.0        | 7271        | 3930         | 3788         |                  |                  |                     | 0.9  |      |      |  | 20.6 | 10.3 | 7.7  |  |
|  |                 |                 |                                      |                                       | 80.1        | 2.2         | 78.0        | 7266        | 3995         | 3845         |                  |                  |                     | 1.0  |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 100.3       | 2.1         | 98.2        | 7299        | 4033         | 3837         |                  |                  |                     | 1.2  |      |      |  | 22.2 | 13.3 | 13.1 |  |
|  |                 |                 |                                      |                                       | 150.3       | 2.1         | 148.2       | 7330        | 4067         | 3874         |                  |                  |                     | 1.2  |      |      |  | 25.2 | 13.2 | 16.5 |  |
|  |                 |                 |                                      |                                       | 200.4       | 2.0         | 198.5       | 7345        | 4101         | 3929         |                  |                  |                     | 1.1  |      |      |  | 24.6 | 12.8 | 17.5 |  |
|  |                 |                 |                                      |                                       | 100.1       | 2.2         | 98.0        | 7280        | 4065         | 3877         |                  |                  |                     | 1.2  |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 60.1        | 2.2         | 57.9        | 7306        | 4042         | 3877         |                  |                  |                     | 1.0  |      |      |  | 19.7 | 10.8 | 8.6  |  |
|  |                 |                 |                                      |                                       | 9.9         | 2.1         | 7.7         | 6517        | 3431         | 3541         |                  |                  |                     | -0.8 |      |      |  |      |      |      |  |
| 176-735B-179R-5 (90-97) v                              | 1227.35         | 0.59            | 2.91                                 | 2.92                                  | 9.8         | 2.2         | 7.7         | 6641        | 3569         | 3570         | 3.7              | 0.0              | 1.8                 |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 19.9        | 2.2         | 17.8        | 6837        | 3613         | 3609         | 3.1              | 0.0              | 1.7                 |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 40.2        | 2.1         | 38.1        | 6945        | 3657         | 3669         | 2.4              | 0.1              | 1.6                 |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 60.3        | 2.0         | 58.3        | 6965        | 3699         | 3709         | 1.5              | 0.1              | 1.8                 | 23.5 | 13.5 | 10.4 |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 80.2        | 2.1         | 78.1        | 7032        | 3722         | 3721         | 0.3              | 0.0              | 1.8                 |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 100.2       | 2.1         | 98.1        | 7016        | 3735         | 3740         | 0.5              | 0.0              | 1.8                 | 31.0 | 15.6 | 11.5 |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 150.1       | 2.1         | 148.0       | 7044        | 3773         | 3766         | 1.2              | 0.0              | 1.7                 | 41.1 | 13.5 | 13.5 |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 200.1       | 2.1         | 198.0       | 7132        | 3782         | 3798         | 1.6              | 0.1              | 1.9                 | 42.1 | 11.4 | 12.8 |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 100.2       | 2.2         | 98.0        | 7026        | 3736         | 3761         | 1.1              | 0.2              | 2.1                 |      |      |      |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 60.2        | 2.1         | 58.2        | 7003        | 3715         | 3731         | 2.8              | 0.1              | 2.2                 | 23.9 | 13.9 | 10.3 |  |      |      |      |  |
|  |                 |                 |                                      |                                       | 10.2        | 2.1         | 8.1         | 6716        | 3567         | 3607         | 3.0              | 0.3              | 1.9                 |      |      |      |  |      |      |      |  |

Table T1 (continued).

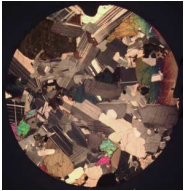

| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)   | Depth<br>(mbsf) | Porosity<br>(%) | Bulk density<br>(g/cm <sup>3</sup> ) | Grain density<br>(g/cm <sup>3</sup> ) | Pc<br>(MPa)                      | Pp<br>(MPa) | Ep<br>(MPa) | Vp<br>(m/s) | Vs1<br>(m/s) | Vs2<br>(m/s) | Vp<br>Anisotropy | Vs<br>Anisotropy | Vsmax<br>Anisotropy | Qp   | Qs1  | Qs2  |     |       |      |      |  |  |
|--|-----------------|-----------------|--------------------------------------|---------------------------------------|----------------------------------|-------------|-------------|-------------|--------------|--------------|------------------|------------------|---------------------|------|------|------|-----|-------|------|------|--|--|
| 176-735B-179R-5 (97-99) h<br>   | 1227.42         | 0.64            | 2.89                                 | 2.90                                  | 10.1                             | 2.1         | 8.0         | 6796        | 3573         | 3489         |                  | 0.6              |                     |      |      |      |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 20.1                             | 2.1         | 18.1        | 6839        | 3606         | 3542         |                  | 0.4              |                     |      |      |      |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 40.0                             | 2.1         | 37.8        | 6933        | 3681         | 3609         |                  | 0.5              |                     |      |      |      |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 60.2                             | 2.1         | 58.2        | 6987        | 3707         | 3666         |                  | 0.3              |                     |      |      |      |     | 19.5  | 13.4 | 14.1 |  |  |
|  |                 |                 |                                      |                                       | 80.3                             | 2.0         | 78.3        | 7019        | 3739         | 3706         |                  | 0.2              |                     |      |      |      |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 100.3                            | 2.1         | 98.2        | 7036        | 3761         | 3704         |                  | 0.4              |                     |      |      |      |     | 20.7  | 12.6 | 14.9 |  |  |
|  |                 |                 |                                      |                                       | 150.1                            | 2.1         | 148.0       | 7056        | 3787         | 3746         |                  | 0.3              |                     |      |      |      |     | 26.6  | 14.1 | 17.2 |  |  |
|  |                 |                 |                                      |                                       | 200.0                            | 2.1         | 197.9       | 7091        | 3821         | 3786         |                  | 0.2              |                     |      |      |      |     | 26.5  | 14.5 | 15.2 |  |  |
|  |                 |                 |                                      |                                       | 100.3                            | 2.1         | 98.2        | 7050        | 3792         | 3729         |                  | 0.4              |                     |      |      |      |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 60.2                             | 2.1         | 58.1        | 7034        | 3750         | 3714         |                  | 0.2              |                     |      |      |      |     | 18.7  | 13.5 | 14.4 |  |  |
|  |                 |                 |                                      |                                       | 10.0                             | 2.1         | 7.9         | 6630        | 3628         | 3580         |                  | 0.3              |                     |      |      |      |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 176-735B-179R-5 (110-112) h'<br> | 1227.55     | 0.72        | 2.94        | 2.96         | 9.9          | 2.2              | 7.8              | 7052                | 3836 | 3722 |      | 0.8 |       |      |      |  |  |
|  |                 |                 |                                      |                                       |                                  |             |             |             |              | 20.1         | 2.1              | 17.9             | 7056                | 3866 | 3722 |      | 0.9 |       |      |      |  |  |
| 40.1   | 2.1             | 38.0            | 7103                                 | 3893                                  |                                  |             |             |             |              | 3759         |                  | 0.9              |                     |      |      |      |     |       |      |      |  |  |
| 60.1   | 2.2             | 57.9            | 7096                                 | 3969                                  |                                  |             |             |             |              | 3802         |                  | 1.1              |                     |      |      |      |     | 14.1  | 7.9  | 11.6 |  |  |
| 80.0   | 2.2             | 77.8            | 7037                                 | 4004                                  |                                  |             |             |             |              | 3855         |                  | 0.9              |                     |      |      |      |     |       |      |      |  |  |
| 100.1  | 2.2             | 98.0            | 7070                                 | 4009                                  |                                  |             |             |             |              | 3832         |                  | 1.1              |                     |      |      |      |     | 16.5  | 9.1  | 15.2 |  |  |
| 150.1  | 2.2             | 147.9           | 7140                                 | 4046                                  |                                  |             |             |             |              | 3849         |                  | 1.2              |                     |      |      |      |     | 22.6  | 12.1 | 22.7 |  |  |
| 200.0  | 2.1             | 197.9           | 7205                                 | 4073                                  |                                  |             |             |             |              | 3849         |                  | 1.4              |                     |      |      |      |     | 20.8  | 12.8 | 22.1 |  |  |
| 100.2  | 2.2             | 98.0            | 7125                                 | 4065                                  |                                  |             |             |             |              | 3832         |                  | 1.5              |                     |      |      |      |     |       |      |      |  |  |
| 60.1   | 2.1             | 58.0            | 7229                                 | 4053                                  |                                  |             |             |             |              | 3870         |                  | 1.2              |                     |      |      |      |     | 14.4  | 8.5  | 12.4 |  |  |
| 10.1   | 2.1             | 8.0             | 6829                                 | 3849                                  |                                  |             |             |             |              | 3722         |                  | 0.8              |                     |      |      |      |     |       |      |      |  |  |
| 176-735B-190R-4 (67-69) h'<br>   | 1330.90         | 0.73            | 2.98                                 | 2.99                                  |                                  |             |             |             |              | 10.0         | 2.1              | 7.9              | 6621                | 3656 | 3645 | 2.3  | 0.1 | 1.3   |      |      |  |  |
|  |                 |                 |                                      |                                       |                                  |             |             |             |              | 20.0         | 2.1              | 17.8             | 6661                | 3705 | 3705 | 2.4  | 0.0 | 1.5   |      |      |  |  |
|  |                 |                 |                                      |                                       | 40.0                             | 2.2         | 37.9        | 6758        | 3780         | 3758         | 2.8              | 0.1              | 1.9                 |      |      |      |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 60.3                             | 2.1         | 58.2        | 6879        | 3783         | 3793         | 4.0              | -0.1             | 1.8                 | 25.7 | 14.3 | 15.2 |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 80.6                             | 2.0         | 78.6        | 6912        | 3808         | 3810         | 3.7              | 0.0              | 1.8                 |      |      |      |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 100.4                            | 2.0         | 98.4        | 6887        | 3826         | 3817         | 2.7              | 0.1              | 1.7                 | 53.1 | 19.5 | 20.0 |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 150.4                            | 2.0         | 148.3       | 6976        | 3880         | 3876         | 3.0              | 0.0              | 1.8                 | 55.0 | 28.0 | 29.0 |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 174.0                            | 2.1         | 171.9       | 6999        | 3921         | 3904         |                  | 0.1              |                     | 51.6 | 28.1 | 33.5 |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 100.6                            | 2.0         | 98.5        | 6945        | 3874         | 3867         | 3.7              | 0.0              | 2.0                 |      |      |      |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 60.5                             | 2.0         | 58.5        | 6889        | 3855         | 3869         | 4.3              | -0.1             | 2.2                 | 31.0 | 14.5 | 14.9 |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 10.4                             | 2.1         | 8.3         | 6429        | 3647         | 3641         | -1.3             | 0.0              | 1.2                 |      |      |      |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 176-735B-190R-4 (80-86) v<br>    | 1331.03     | 0.67        | 2.94        | 2.95         | 10.1         | 2.1              | 8.0              | 6594                | 3585 | 3564 |      | 0.1 |       |      |      |  |  |
|  |                 |                 |                                      |                                       |                                  |             |             |             |              | 20.1         | 2.1              | 17.9             | 6656                | 3616 | 3598 |      | 0.1 |       |      |      |  |  |
| 40.6   | 1.9             | 38.7            | 6732                                 | 3622                                  |                                  |             |             |             |              | 3615         |                  | 0.0              |                     |      |      |      |     |       |      |      |  |  |
| 60.3   | 2.1             | 58.1            | 6757                                 | 3644                                  |                                  |             |             |             |              | 3643         |                  | 0.0              |                     |      |      |      |     | 64.6  | 26.8 | 18.0 |  |  |
| 80.3   | 2.1             | 78.2            | 6774                                 | 3655                                  |                                  |             |             |             |              | 3638         |                  | 0.1              |                     |      |      |      |     |       |      |      |  |  |
| 100.1  | 2.2             | 98.0            | 6742                                 | 3666                                  |                                  |             |             |             |              | 3649         |                  | 0.1              |                     |      |      |      |     | 132.0 | 28.9 | 19.7 |  |  |
| 150.3  | 2.1             | 148.2           | 6805                                 | 3699                                  |                                  |             |             |             |              | 3683         |                  | 0.1              |                     |      |      |      |     | 137.0 | 30.5 | 23.2 |  |  |
| 200.0  | 2.2             | 197.8           | 6848                                 | 3725                                  |                                  |             |             |             |              | 3704         |                  | 0.1              |                     |      |      |      |     | 106.0 | 29.7 | 24.5 |  |  |
| 100.4  | 2.1             | 98.3            | 6775                                 | 3651                                  |                                  |             |             |             |              | 3638         |                  | 0.1              |                     |      |      |      |     |       |      |      |  |  |
| 60.3   | 2.1             | 58.2            | 6726                                 | 3633                                  |                                  |             |             |             |              | 3627         |                  | 0.0              |                     |      |      |      |     | 59.9  | 25.9 | 17.8 |  |  |
| 10.3   | 2.1             | 8.2             | 6614                                 | 3601                                  |                                  |             |             |             |              | 3585         |                  | 0.1              |                     |      |      |      |     |       |      |      |  |  |
| 176-735B-190R-4 (87-89) h<br> | 1331.10         | 1.25            | 2.94                                 | 2.97                                  |                                  |             |             |             |              | 10.0         | 2.0              | 8.0              | 6469                | 3464 | 3476 |      | 0.1 |       |      |      |  |  |
|  |                 |                 |                                      |                                       |                                  |             |             |             |              | 20.2         | 2.0              | 18.3             | 6504                | 3490 | 3489 |      | 0.0 |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 39.9                             | 2.1         | 37.8        | 6573        | 3502         | 3510         |                  | 0.1              |                     |      |      |      |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 60.1                             | 2.1         | 58.0        | 6609        | 3522         | 3535         |                  | 0.1              |                     |      |      |      |     | 24.1  | 16.1 | 20.2 |  |  |
|  |                 |                 |                                      |                                       | 80.2                             | 2.1         | 78.1        | 6663        | 3548         | 3557         |                  | 0.1              |                     |      |      |      |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 100.4                            | 2.0         | 98.5        | 6702        | 3568         | 3571         |                  | 0.0              |                     |      |      |      |     | 36.1  | 19.1 | 21.3 |  |  |
|  |                 |                 |                                      |                                       | 150.1                            | 2.1         | 148.0       | 6770        | 3606         | 3615         |                  | 0.1              |                     |      |      |      |     | 40.8  | 21.6 | 25.4 |  |  |
|  |                 |                 |                                      |                                       | 200.0                            | 2.1         | 197.9       | 6823        | 3636         | 3645         |                  | 0.1              |                     |      |      |      |     | 38.0  | 22.1 | 26.7 |  |  |
|  |                 |                 |                                      |                                       | 100.3                            | 2.1         | 98.2        | 6691        | 3572         | 3570         |                  | 0.0              |                     |      |      |      |     |       |      |      |  |  |
|  |                 |                 |                                      |                                       | 60.2                             | 2.1         | 58.1        | 6599        | 3526         | 3538         |                  | 0.1              |                     |      |      |      |     | 25.2  | 16.0 | 19.4 |  |  |
|  |                 |                 |                                      |                                       | 10.2                             | 2.1         | 8.1         | 6516        | 3482         | 3487         |                  | 0.0              |                     |      |      |      |     |       |      |      |  |  |

Table T1 (continued).

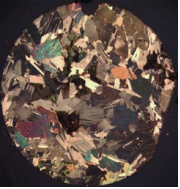
| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)   | Depth<br>(mbsf) | Porosity<br>(%) | Bulk density<br>(g/cm <sup>3</sup> ) | Grain density<br>(g/cm <sup>3</sup> ) | Pc<br>(MPa) | Pp<br>(MPa) | Ep<br>(MPa) | Vp<br>(m/s) | Vs1<br>(m/s) | Vs2<br>(m/s) | Vp<br>Anisotropy | Vs<br>Anisotropy | Vsmax<br>Anisotropy | Qp   | Qs1  | Qs2  |  |      |      |      |
|--|-----------------|-----------------|--------------------------------------|---------------------------------------|-------------|-------------|-------------|-------------|--------------|--------------|------------------|------------------|---------------------|------|------|------|--|------|------|------|
| 176-735B-209R-7 (97-99) h'   | 1497.16         | 0.89            | 2.99                                 | 3.01                                  | 10.1        | 2.1         | 7.9         | 6386        | 3527         | 3615         | -2.9             | 0.6              | 0.2                 |      |      |      |  |      |      |      |
|  |                 |                 |                                      |                                       | 20.3        | 2.1         | 18.2        | 6535        | 3650         | 3727         | -3.0             | 0.5              | 0.6                 |      |      |      |  |      |      |      |
|  |                 |                 |                                      |                                       | 40.3        | 2.1         | 38.2        | 6766        | 3747         | 3847         | -1.9             | 0.7              | 1.0                 |      |      |      |  |      |      |      |
|  |                 |                 |                                      |                                       | 60.3        | 2.1         | 58.2        | 6892        | 3858         | 3926         | -0.3             | 0.4              | 1.4                 | 8.4  | 4.9  | 4.7  |  |      |      |      |
|  |                 |                 |                                      |                                       | 80.1        | 2.2         | 77.9        | 6934        | 3879         | 3961         | -0.4             | 0.5              | 1.6                 |      |      |      |  |      |      |      |
|  |                 |                 |                                      |                                       | 100.2       | 2.2         | 98.0        | 6968        | 3897         | 3980         | -0.2             | 0.5              | 1.6                 | 14.0 | 6.3  | 7.7  |  |      |      |      |
|  |                 |                 |                                      |                                       | 150.3       | 2.1         | 148.1       | 7073        | 4011         | 4072         | 0.3              | 0.4              | 2.0                 | 27.1 | 8.5  | 8.9  |  |      |      |      |
|  |                 |                 |                                      |                                       | 200.1       | 2.1         | 198.0       | 7050        | 4086         | 4110         | 0.4              | 0.1              | 2.0                 | 38.4 | 10.4 | 10.0 |  |      |      |      |
|  |                 |                 |                                      |                                       | 100.4       | 2.1         | 98.3        | 7050        | 3951         | 4044         | 0.8              | 0.6              | 1.9                 |      |      |      |  |      |      |      |
|  |                 |                 |                                      |                                       | 60.3        | 2.1         | 58.2        | 6919        | 3942         | 3994         | -0.9             | 0.3              | 1.6                 | 8.5  | 5.4  | 5.2  |  |      |      |      |
|  |                 |                 |                                      |                                       | 10.1        | 2.1         | 8.0         | 6108        | 3650         | 3640         | -7.6             | -0.1             | 0.2                 |      |      |      |  |      |      |      |
| 176-735B-209R-7 (100-102) h<br> | 1497.19         | 0.73            | 2.99                                 | 3.00                                  | 10.0        | 2.1         | 7.9         | 6576        | 3599         | 3587         |                  | 0.1              |                     |      |      |      |  |      |      |      |
|  |                 |                 |                                      |                                       | 20.1        | 2.1         | 18.0        | 6732        | 3677         | 3633         |                  | 0.3              |                     |      |      |      |  |      |      |      |
|  |                 |                 |                                      |                                       | 40.1        | 2.1         | 37.9        | 6897        | 3734         | 3696         |                  | 0.3              |                     |      |      |      |  |      |      |      |
|  |                 |                 |                                      |                                       | 60.1        | 2.1         | 58.0        | 6916        | 3768         | 3718         |                  | 0.3              |                     |      |      |      |  | 21.3 | 10.0 | 12.3 |
|  |                 |                 |                                      |                                       | 80.4        | 2.1         | 78.3        | 6965        | 3784         | 3716         |                  | 0.5              |                     |      |      |      |  |      |      |      |
|  |                 |                 |                                      |                                       | 100.2       | 2.2         | 98.1        | 6982        | 3809         | 3729         |                  | 0.5              |                     |      |      |      |  | 28.5 | 9.6  | 13.7 |
|  |                 |                 |                                      |                                       | 150.0       | 2.2         | 147.8       | 7050        | 3855         | 3754         |                  | 0.7              |                     |      |      |      |  | 39.8 | 11.1 | 15.5 |
|  |                 |                 |                                      |                                       | 200.0       | 2.2         | 197.8       | 7022        | 3865         | 3787         |                  | 0.5              |                     |      |      |      |  | 44.0 | 11.9 | 16.7 |
|  |                 |                 |                                      |                                       | 100.3       | 2.2         | 98.1        | 6993        | 3792         | 3753         |                  | 0.3              |                     |      |      |      |  |      |      |      |
|  |                 |                 |                                      |                                       | 60.1        | 2.2         | 57.9        | 6980        | 3792         | 3750         |                  | 0.3              |                     |      |      |      |  | 23.5 | 10.6 | 12.5 |
|  |                 |                 |                                      |                                       | 10.1        | 2.2         | 7.9         | 6601        | 3630         | 3617         |                  | 0.1              |                     |      |      |      |  |      |      |      |
| 176-735B-209R-7 (102-108) v  | 1497.21         | 0.89            | 2.98                                 | 3.00                                  | 10.0        | 2.2         | 7.9         | 6594        | 3534         | 3537         |                  | 0.0              |                     |      |      |      |  |      |      |      |
|  |                 |                 |                                      |                                       | 20.0        | 2.2         | 17.9        | 6704        | 3573         | 3601         |                  | -0.2             |                     |      |      |      |  |      |      |      |
|  |                 |                 |                                      |                                       | 39.9        | 2.2         | 37.7        | 6790        | 3655         | 3633         |                  | 0.2              |                     |      |      |      |  |      |      |      |
|  |                 |                 |                                      |                                       | 60.0        | 2.2         | 57.8        | 6907        | 3703         | 3684         |                  | 0.1              |                     |      |      |      |  | 19.0 | 14.1 | 10.0 |
|  |                 |                 |                                      |                                       | 80.2        | 2.2         | 78.0        | 6937        | 3740         | 3726         |                  | 0.1              |                     |      |      |      |  |      |      |      |
|  |                 |                 |                                      |                                       | 100.3       | 2.1         | 98.2        | 6937        | 3776         | 3739         |                  | 0.2              |                     |      |      |      |  | 22.3 | 14.9 | 12.2 |
|  |                 |                 |                                      |                                       | 150.1       | 2.1         | 148.0       | 6987        | 3809         | 3782         |                  | 0.2              |                     |      |      |      |  | 24.9 | 15.8 | 15.2 |
|  |                 |                 |                                      |                                       | 200.0       | 2.1         | 197.9       | 7028        | 3848         | 3828         |                  | 0.1              |                     |      |      |      |  | 24.9 | 15.0 | 14.9 |
|  |                 |                 |                                      |                                       | 100.2       | 2.2         | 98.0        | 6949        | 3784         | 3756         |                  | 0.2              |                     |      |      |      |  |      |      |      |
|  |                 |                 |                                      |                                       | 60.2        | 2.2         | 58.0        | 6945        | 3767         | 3733         |                  | 0.2              |                     |      |      |      |  | 20.4 | 14.5 | 10.4 |
|  |                 |                 |                                      |                                       | 10.1        | 2.1         | 8.0         | 6660        | 3622         | 3609         |                  | 0.1              |                     |      |      |      |  |      |      |      |

Table T1 (continued).

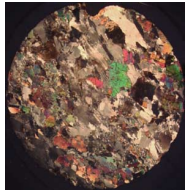
| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)  | Depth<br>(mbsf) | Igneous<br>Interval | Lithology                | Macroscopic Core Observations |               |                |                 |                | Background<br>alteration (%) |
|---|-----------------|---------------------|--------------------------|-------------------------------|---------------|----------------|-----------------|----------------|------------------------------|
|   |                 |                     |                          | Plagioclase<br>(%)            | Augite<br>(%) | Olivine<br>(%) | Opx/Plag<br>(%) | Opaques<br>(%) |                              |
| 176-735B-96R-2 (49-51) h'   | 550.29          | 524                 | opx-bearing oxide gabbro | 65                            | 35            | 8              | -               | 0.5            | 12                           |
| 176-735B-96R-2 (54-58) v  | 550.34          | 524                 | opx-bearing oxide gabbro | 65                            | 35            | 8              | -               | 0.5            | 12                           |
| 176-735B-116R-4 (127-129) h<br> | 677.04          | 573                 | opx-bearing gabbro       | 50                            | 35            | 3              | 3               | 0.7            | 18                           |
| 176-735B-116R-4 (129-133) v   | 677.06          | 573                 | opx-bearing gabbro       | 50                            | 35            | 3              | 3               | 0.7            | 18                           |
| 176-735B-116R-5 (7-9) h'  | 677.27          | 575                 | gabbronorite             | 55                            | 35            | 1              | 7               | 0.8            | 10                           |



Table T1 (continued).

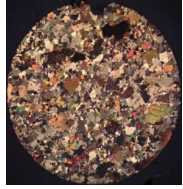
| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)   | Depth<br>(mbsf) | Igneous<br>Interval | Lithology      | Macroscopic Core Observations |               |                |                 |                |                              |
|--|-----------------|---------------------|----------------|-------------------------------|---------------|----------------|-----------------|----------------|------------------------------|
|  |                 |                     |                | Plagioclase<br>(%)            | Augite<br>(%) | Olivine<br>(%) | Opx/Plag<br>(%) | Opaques<br>(%) | Background<br>alteration (%) |
| 176-735B-133R-2 (126-128) h'   | 825.50          | 662                 | olivine gabbro | 65                            | 35            | 6              | -               | 0.5            | 40                           |
| 176-735B-133R-3 (0-7) v<br> | 825.63          | 662                 | olivine gabbro | 65                            | 35            | 6              | -               | 0.5            | ~60                          |
| 176-735B-133R-3 (7-9) h  | 825.70          | 662                 | olivine gabbro | 65                            | 35            | 6              | -               | 0.5            | ~60                          |
| 176-735B-142R-3 (86-88) h'   | 896.47          | 693                 | olivine gabbro | 65                            | 35            | 8              | -               | 0.5            | 10                           |
| 176-735B-142R-3 (86-88) h' 45°   | 896.47          | 693                 | olivine gabbro | 65                            | 35            | 8              | -               | 0.5            | 10                           |

Table T1 (continued).

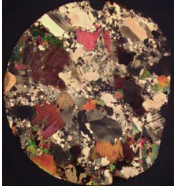
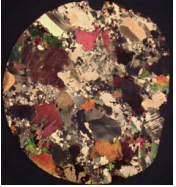
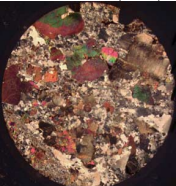
| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)   | Depth<br>(mbsf) | Igneous<br>Interval | Lithology      | Macroscopic Core Observations |               |                |                 |                | Background<br>alteration (%) |
|--|-----------------|---------------------|----------------|-------------------------------|---------------|----------------|-----------------|----------------|------------------------------|
|  |                 |                     |                | Plagioclase<br>(%)            | Augite<br>(%) | Olivine<br>(%) | Opx/Plag<br>(%) | Opaques<br>(%) |                              |
| 176-735B-142R-5 (0-6) v  | 898.44          | 693                 | olivine gabbro | 65                            | 35            | 8              | -               | 0.5            | 12                           |
| 176-735B-142R-5 (6-8) h<br>                               | 898.50          | 693                 | olivine gabbro | 65                            | 35            | 8              | -               | 0.5            | 12                           |
| 176-735B-142R-5 (6-8) h 45°<br>Parallel to foliation<br> | 898.50          | 693                 | olivine gabbro | 65                            | 35            | 8              | -               | 0.5            | 12                           |
| 176-735B-147R-6 (32-39) v  | 947.26          | 710                 | gabbro         | 55                            | 30            | 2              | -               | 0.6            | 40                           |
| 176-735B-147R-6 (39-41) h<br>                           | 947.33          | 710                 | gabbro         | 55                            | 30            | 2              | -               | 0.6            | 40                           |

Table T1 (continued).

| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation) | Depth<br>(mbsf) | Igneous<br>Interval | Lithology      | Macroscopic Core Observations |               |                |                 |                |                              |
|--|-----------------|---------------------|----------------|-------------------------------|---------------|----------------|-----------------|----------------|------------------------------|
|  |                 |                     |                | Plagioclase<br>(%)            | Augite<br>(%) | Olivine<br>(%) | Opx/Plag<br>(%) | Opaques<br>(%) | Background<br>alteration (%) |
| 176-735B-147R-6 (43-45) h'                             | 947.37          | 710                 | gabbro         | 55                            | 30            | 2              | -               | 0.6            | 40                           |
| 176-735B-147R-6 (43-45) h' 45°                         | 947.37          | 710                 | gabbro         | 55                            | 30            | 2              | -               | 0.6            | 40                           |
| 176-735B-147R-6 (55-57) h'                             | 947.49          | 710                 | gabbro         | 55                            | 30            | 2              | -               | 0.6            | 40                           |
| 176-735B-154R-5 (32-34) h'                             | 1010.59         | 731                 | olivine gabbro | 65                            | 35            | 8              | -               | 0.5            | 8                            |
| 176-735B-154R-5 (42-44) h'                             | 1010.69         | 731                 | olivine gabbro | 65                            | 35            | 8              | -               | 0.5            | 8                            |



Table T1 (continued).

| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation) | Depth<br>(mbsf) | Igneous<br>Interval | Lithology      | Macroscopic Core Observations |               |                |                 |                | Background<br>alteration (%) |
|--|-----------------|---------------------|----------------|-------------------------------|---------------|----------------|-----------------|----------------|------------------------------|
|  |                 |                     |                | Plagioclase<br>(%)            | Augite<br>(%) | Olivine<br>(%) | Opx/Plag<br>(%) | Opaques<br>(%) |                              |
| 176-735B-154R-5 (44-50) v                              | 1010.71         | 731                 | olivine gabbro | 65                            | 35            | 8              | -               | 0.5            | 8                            |
| 176-735B-158R-4 (65-67) h'                             | 1048.63         | 768                 | olivine gabbro | 55                            | 35            | 6              | -               | 0.5            | 6                            |
| 176-735B-158R-4 (80-84) v                              | 1048.78         | 768                 | olivine gabbro | 55                            | 35            | 6              | -               | 0.5            | 6                            |
| 176-735B-158R-4 (84-86) h                              | 1048.82         | 768                 | olivine gabbro | 55                            | 35            | 6              | -               | 0.5            | 6                            |
| 176-735B-179R-5 (90-97) v                              | 1227.35         | 845                 | olivine gabbro | 55                            | 25            | 20             | -               | 0.5            | 2                            |

Table T1 (continued).

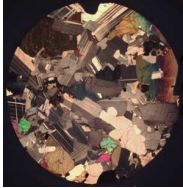

| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)   | Depth<br>(mbsf) | Igneous<br>Interval | Lithology          | Macroscopic Core Observations |               |                |                 |                | Background<br>alteration (%) |
|--|-----------------|---------------------|--------------------|-------------------------------|---------------|----------------|-----------------|----------------|------------------------------|
|  |                 |                     |                    | Plagioclase<br>(%)            | Augite<br>(%) | Olivine<br>(%) | Opx/Plag<br>(%) | Opaques<br>(%) |                              |
| 176-735B-179R-5 (97-99) h<br>   | 1227.42         | 845                 | olivine gabbro     | 55                            | 25            | 20             | -               | 0.5            | 2                            |
| 176-735B-179R-5 (110-112) h'   | 1227.55         | 845                 | olivine gabbro     | 55                            | 25            | 20             | -               | 0.5            | 2                            |
| 176-735B-190R-4 (67-69) h'   | 1330.90         | 890                 | troctolitic gabbro | 65                            | 15            | 12             | -               | 0.7            | 5                            |
| 176-735B-190R-4 (80-86) v  | 1331.03         | 890                 | troctolitic gabbro | 65                            | 15            | 12             | -               | 0.7            | 5                            |
| 176-735B-190R-4 (87-89) h<br> | 1331.10         | 890                 | troctolitic gabbro | 65                            | 15            | 12             | -               | 0.7            | 5                            |

Table T1 (continued).

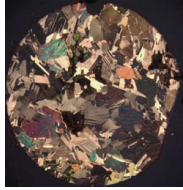
| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)                            | Depth<br>(mbsf) | Igneous<br>Interval | Lithology      | Macroscopic Core Observations |               |                |                 |               |                              |
|---|-----------------|---------------------|----------------|-------------------------------|---------------|----------------|-----------------|---------------|------------------------------|
|   |                 |                     |                | Plagioclase<br>(%)            | Augite<br>(%) | Olivine<br>(%) | Opx/Plag<br>(%) | Opakes<br>(%) | Background<br>alteration (%) |
| 176-735B-209R-7 (97-99) h'  | 1497.16         | 952                 | olivine gabbro | 60                            | 30            | 10             | -               | -             | 3                            |
| 176-735B-209R-7 (100-102) h   | 1497.19         | 952                 | olivine gabbro | 60                            | 30            | 10             | -               | -             | 3                            |
|  |                 |                     |                |                               |               |                |                 |               |                              |
| 176-735B-209R-7 (102-108) v   | 1497.21         | 952                 | olivine gabbro | 60                            | 30            | 10             | -               | -             | 3                            |

Table T1 (continued).

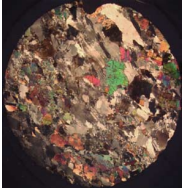
| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)  | Depth<br>(mbsf) | Deformation Analysis |              |           |                 |              |           | Cf | Plag grain size |             | CPX grain size |             | OI grain size |             | OPX grain size |             |
|---|-----------------|----------------------|--------------|-----------|-----------------|--------------|-----------|----|-----------------|-------------|----------------|-------------|---------------|-------------|----------------|-------------|
|   |                 | Mf<br>intensity      | Mf<br>strike | Mf<br>dip | Pf<br>intensity | Pf<br>strike | Pf<br>dip |    | min<br>(mm)     | max<br>(mm) | min<br>(mm)    | max<br>(mm) | min<br>(mm)   | max<br>(mm) | min<br>(mm)    | max<br>(mm) |
| 176-735B-96R-2 (49-51) h'   | 550.29          | 2                    | 16           | 36E       | 1               | 0            | 45E       | 0  | 5               | 30          | 2              | 25          | 1             | 10          |                |             |
| 176-735B-96R-2 (54-58) v  | 550.34          | 2                    | 16           | 36E       | 1               | 0            | 45E       | 0  | 5               | 30          | 2              | 25          | 1             | 10          |                |             |
| 176-735B-116R-4 (127-129) h<br> | 677.04          | 1                    | 90           | 42S       | 1               | 45           | 39E       | 0  | 10              | 25          | 3              | 25          | 1             | 2           | 1              | 3           |
| 176-735B-116R-4 (129-133) v   | 677.06          | 1                    | 90           | 42S       | 1               | 45           | 39E       | 0  | 10              | 25          | 3              | 25          | 1             | 2           | 1              | 3           |
| 176-735B-116R-5 (7-9) h'  | 677.27          | 1                    | 12           | 46E       | 2               | 11           | 37E       | 0  | 10              | 30          | 3              | 15          | 1             | 2           | 2              | 10          |

Table T1 (continued).

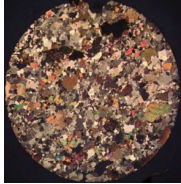
| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)   | Depth<br>(mbsf) | Deformation Analysis |              |           |                 |              |           |    | Plag grain size |             | CPX grain size |             | OI grain size |             | OPX grain size |             |
|--|-----------------|----------------------|--------------|-----------|-----------------|--------------|-----------|----|-----------------|-------------|----------------|-------------|---------------|-------------|----------------|-------------|
|  |                 | Mf<br>intensity      | Mf<br>strike | Mf<br>dip | Pf<br>intensity | Pf<br>strike | Pf<br>dip | Cf | min<br>(mm)     | max<br>(mm) | min<br>(mm)    | max<br>(mm) | min<br>(mm)   | max<br>(mm) | min<br>(mm)    | max<br>(mm) |
| 176-735B-133R-2 (126-128) h'   | 825.50          | 1                    | 23           | 36E       | 2               |              |           | 0  | 5               | 30          | 2              | 25          | 1             | 3           |                |             |
| 176-735B-133R-3 (0-7) v<br> | 825.63          | 0                    |              |           | 2               | 0            | 45E       | 0  | 5               | 30          | 2              | 25          | 1             | 3           |                |             |
| 176-735B-133R-3 (7-9) h  | 825.70          | 0                    |              |           | 2               | 0            | 45E       | 0  | 5               | 30          | 2              | 25          | 1             | 3           |                |             |
| 176-735B-142R-3 (86-88) h'   | 896.47          | 0                    |              |           | 1               |              |           | 0  | 5               | 30          | 2              | 25          | 1             | 10          |                |             |
| 176-735B-142R-3 (86-88) h' 45°   | 896.47          | 0                    |              |           | 1               |              |           | 0  | 5               | 30          | 2              | 25          | 1             | 10          |                |             |



Table T1 (continued).


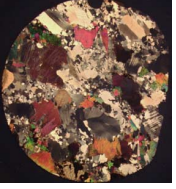
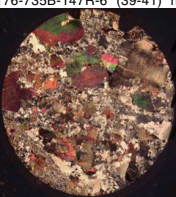
| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)   | Depth<br>(mbsf) | Deformation Analysis |              |           |                 |              |           | Cf | Plag grain size |             | CPX grain size |             | Ol grain size |             | OPX grain size |             |
|--|-----------------|----------------------|--------------|-----------|-----------------|--------------|-----------|----|-----------------|-------------|----------------|-------------|---------------|-------------|----------------|-------------|
|  |                 | Mf<br>intensity      | Mf<br>strike | Mf<br>dip | Pf<br>intensity | Pf<br>strike | Pf<br>dip |    | min<br>(mm)     | max<br>(mm) | min<br>(mm)    | max<br>(mm) | min<br>(mm)   | max<br>(mm) | min<br>(mm)    | max<br>(mm) |
| 176-735B-142R-5 (0-6) v  | 898.44          | 2                    | 16           | 36E       | 1               | 0            | 45E       | 0  | 5               | 30          | 2              | 25          | 1             | 10          |                |             |
| 176-735B-142R-5 (6-8) h<br>                               | 898.50          | 2                    | 16           | 36E       | 1               | 0            | 45E       | 0  | 5               | 30          | 2              | 25          | 1             | 10          |                |             |
| 176-735B-142R-5 (6-8) h 45°<br>Parallel to foliation<br> | 898.50          | 2                    | 16           | 36E       | 1               | 0            | 45E       | 0  | 5               | 30          | 2              | 25          | 1             | 10          |                |             |
| 176-735B-147R-6 (32-39) v  | 947.26          | 0                    |              |           | 2               | 0            | 52E       | 0  | 3               | 20          | 2              | 40          | 1             | 3           |                |             |
| 176-735B-147R-6 (39-41) h<br>                           | 947.33          | 0                    |              |           | 2               | 0            | 52E       | 0  | 3               | 20          | 2              | 40          | 1             | 3           |                |             |

Table T1 (continued).

| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation) | Depth<br>(mbsf) | Deformation Analysis |              |           |                 |              |           |             | Cf | Plag grain size |             | CPX grain size |             | Ol grain size |             | OPX grain size |  |
|--|-----------------|----------------------|--------------|-----------|-----------------|--------------|-----------|-------------|----|-----------------|-------------|----------------|-------------|---------------|-------------|----------------|--|
|  |                 | Mf<br>intensity      | Mf<br>strike | Mf<br>dip | Pf<br>intensity | Pf<br>strike | Pf<br>dip | min<br>(mm) |    | max<br>(mm)     | min<br>(mm) | max<br>(mm)    | min<br>(mm) | max<br>(mm)   | min<br>(mm) | max<br>(mm)    |  |
| 176-735B-147R-6 (43-45) h'                             | 947.37          | 0                    |              |           | 2               | 0            | 52E       | 0           | 3  | 20              | 2           | 40             | 1           | 3             |             |                |  |
| 176-735B-147R-6 (43-45) h' 45°                         | 947.37          | 0                    |              |           | 2               | 0            | 52E       | 0           | 3  | 20              | 2           | 40             | 1           | 3             |             |                |  |
| 176-735B-147R-6 (55-57) h'                             | 947.49          | 0                    |              |           | 2               | 0            | 52E       | 0           | 3  | 20              | 2           | 40             | 1           | 3             |             |                |  |
| 176-735B-154R-5 (32-34) h'                             | 1010.59         | 2                    | 333          | 48E       | 1               | 350          | 50E       | 0           | 2  | 15              | 0.2         | 25             | 1           | 4             |             |                |  |
| 176-735B-154R-5 (42-44) h'                             | 1010.69         | 2                    | 333          | 48E       | 1               | 350          | 50E       | 0           | 2  | 15              | 0.2         | 25             | 1           | 4             |             |                |  |



Table T1 (continued).

| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation) | Depth<br>(mbsf) | Deformation Analysis |              |           |                 |              |           | Cf | Plag grain size |             | CPX grain size |             | OI grain size |             | OPX grain size |             |
|--|-----------------|----------------------|--------------|-----------|-----------------|--------------|-----------|----|-----------------|-------------|----------------|-------------|---------------|-------------|----------------|-------------|
|  |                 | Mf<br>intensity      | Mf<br>strike | Mf<br>dip | Pf<br>intensity | Pf<br>strike | Pf<br>dip |    | min<br>(mm)     | max<br>(mm) | min<br>(mm)    | max<br>(mm) | min<br>(mm)   | max<br>(mm) | min<br>(mm)    | max<br>(mm) |
| 176-735B-154R-5 (44-50) v                              | 1010.71         | 2                    | 333          | 48E       | 1               | 350          | 50E       | 0  | 2               | 15          | 0.2            | 25          | 1             | 4           |                |             |
| 176-735B-158R-4 (65-67) h'                             | 1048.63         | 2                    | 5            | 41E       | 1               | 0            | 45E       | 0  | 5               | 40          | 0.5            | 50          | 1             | 4           |                |             |
| 176-735B-158R-4 (80-84) v                              | 1048.78         | 0                    |              |           | 0               |              |           | 0  | 5               | 40          | 0.5            | 50          | 1             | 4           |                |             |
| 176-735B-158R-4 (84-86) h                              | 1048.82         | 0                    |              |           | 0               |              |           | 0  | 5               | 40          | 0.5            | 50          | 1             | 4           |                |             |
| 176-735B-179R-5 (90-97) v                              | 1227.35         | 0                    |              |           | 0               |              |           | 0  | 4               | 20          | 6              | 25          | 1             | 10          |                |             |

Table T1 (continued).

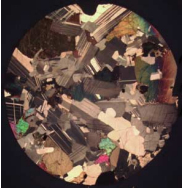
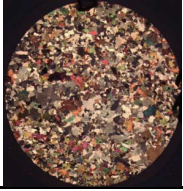
| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)   | Depth<br>(mbsf) | Deformation Analysis |              |           |                 |              |           | Cf | Plag grain size |             | CPX grain size |             | OI grain size |             | OPX grain size |             |
|--|-----------------|----------------------|--------------|-----------|-----------------|--------------|-----------|----|-----------------|-------------|----------------|-------------|---------------|-------------|----------------|-------------|
|  |                 | Mf<br>intensity      | Mf<br>strike | Mf<br>dip | Pf<br>intensity | Pf<br>strike | Pf<br>dip |    | min<br>(mm)     | max<br>(mm) | min<br>(mm)    | max<br>(mm) | min<br>(mm)   | max<br>(mm) | min<br>(mm)    | max<br>(mm) |
| 176-735B-179R-5 (97-99) h<br>   | 1227.42         | 0                    |              |           | 0               |              |           | 0  | 4               | 20          | 6              | 25          | 1             | 10          |                |             |
| 176-735B-179R-5 (110-112) h'   | 1227.55         | 0                    |              |           | 0               |              |           | 0  | 4               | 20          | 6              | 25          | 1             | 10          |                |             |
| 176-735B-190R-4 (67-69) h'   | 1330.90         | 1(2)                 | 0            | 45E       | 1               | 0            | 50E       | 0  | 3               | 20          | 0.2            | 12          | 1             | 3           |                |             |
| 176-735B-190R-4 (80-86) v  | 1331.03         | 1(2)                 | 0            | 45E       | 1               | 0            | 50E       | 0  | 3               | 20          | 0.2            | 12          | 1             | 3           |                |             |
| 176-735B-190R-4 (87-89) h<br> | 1331.10         | 1(2)                 | 0            | 45E       | 1               | 0            | 50E       | 0  | 3               | 20          | 0.2            | 12          | 1             | 3           |                |             |

Table T1 (continued).

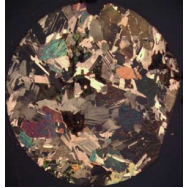
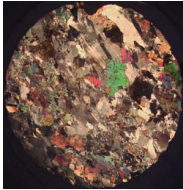
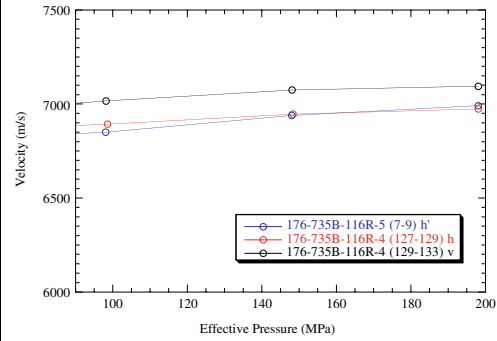
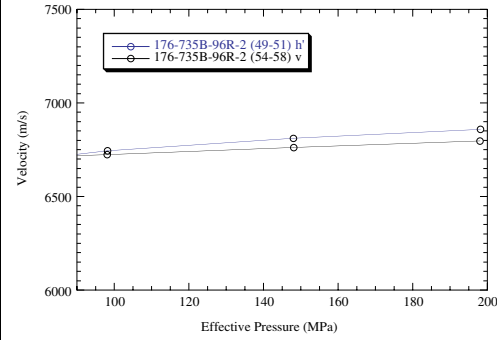
| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)                            | Depth<br>(mbsf) | Deformation Analysis |              |           |                 |              |           |             | Cf | Plag grain size |             | CPX grain size |             | Ol grain size |             | OPX grain size |  |
|---|-----------------|----------------------|--------------|-----------|-----------------|--------------|-----------|-------------|----|-----------------|-------------|----------------|-------------|---------------|-------------|----------------|--|
|   |                 | Mf<br>intensity      | Mf<br>strike | Mf<br>dip | Pf<br>intensity | Pf<br>strike | Pf<br>dip | min<br>(mm) |    | max<br>(mm)     | min<br>(mm) | max<br>(mm)    | min<br>(mm) | max<br>(mm)   | min<br>(mm) | max<br>(mm)    |  |
| 176-735B-209R-7 (97-99) h'  | 1497.16         | 0                    |              |           | 0               |              |           | 0           | 5  | 25              | 5           | 30             | 1           | 8             |             |                |  |
| 176-735B-209R-7 (100-102) h   | 1497.19         | 0                    |              |           | 0               |              |           | 0           | 5  | 25              | 5           | 30             | 1           | 8             |             |                |  |
|  |                 |                      |              |           |                 |              |           |             |    |                 |             |                |             |               |             |                |  |
| 176-735B-209R-7 (102-108) v   | 1497.21         | 0                    |              |           | 0               |              |           | 0           | 5  | 25              | 5           | 30             | 1           | 8             |             |                |  |

Table T1 (continued).

| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)  | Depth<br>(mbsf) |
|---|-----------------|
| 176-735B-96R-2 (49-51) h'   | 550.29          |
| 176-735B-96R-2 (54-58) v  | 550.34          |
| 176-735B-116R-4 (127-129) h<br> | 677.04          |
| 176-735B-116R-4 (129-133) v   | 677.06          |
| 176-735B-116R-5 (7-9) h'  | 677.27          |

**Compressional Wave Velocities**



**Shear Wave Velocities**

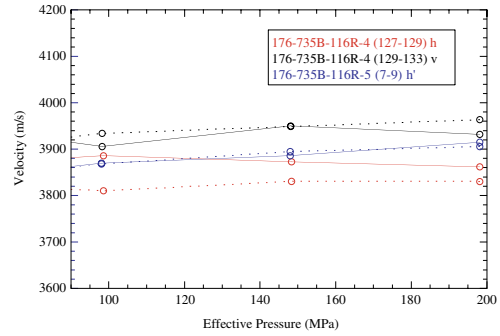
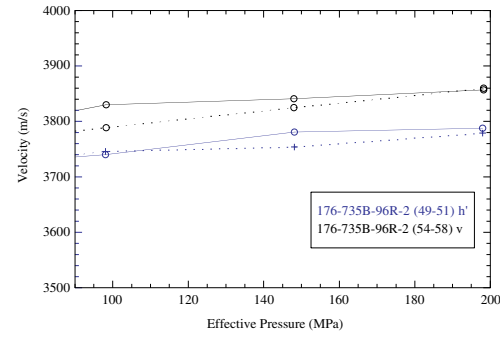
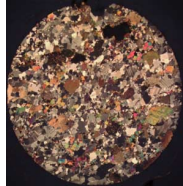
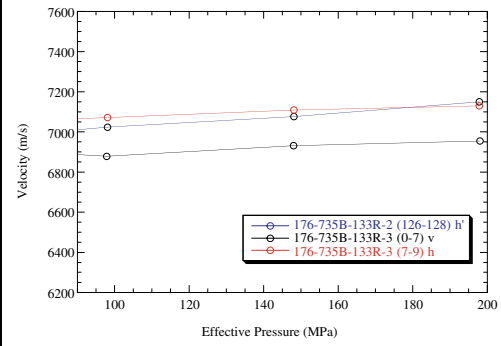


Table T1 (continued).

| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)   | Depth<br>(mbsf) |
|--|-----------------|
| 176-735B-133R-2 (126-128) h'   | 825.50          |
| 176-735B-133R-3 (0-7) v<br> | 825.63          |
| 176-735B-133R-3 (7-9) h  | 825.70          |
| 176-735B-142R-3 (86-88) h'   | 896.47          |
| 176-735B-142R-3 (86-88) h' 45°   | 896.47          |

Compressional Wave Velocities



Shear Wave Velocities

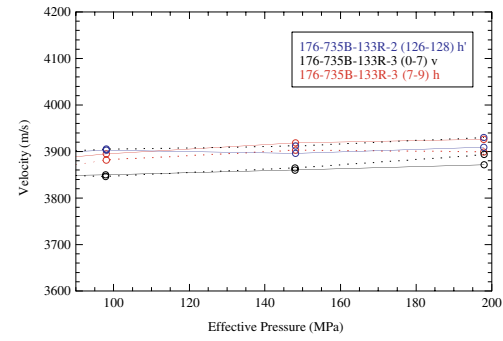
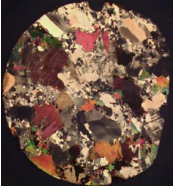
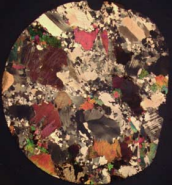
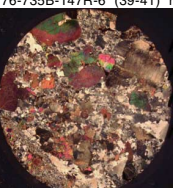
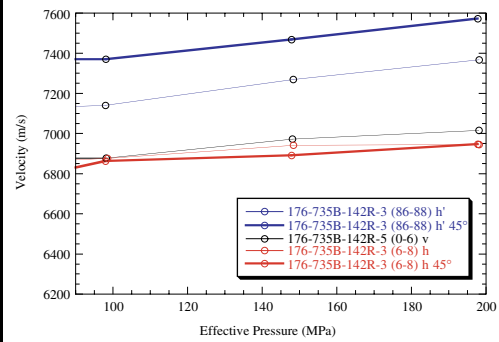


Table T1 (continued).

| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)   | Depth<br>(mbsf) |
|--|-----------------|
| 176-735B-142R-5 (0-6) v  | 898.44          |
| 176-735B-142R-5 (6-8) h<br>                               | 898.50          |
| 176-735B-142R-5 (6-8) h 45°<br>Parallel to foliation<br> | 898.50          |
| 176-735B-147R-6 (32-39) v  | 947.26          |
| 176-735B-147R-6 (39-41) h<br>                           | 947.33          |

Compressional Wave Velocities



Shear Wave Velocities

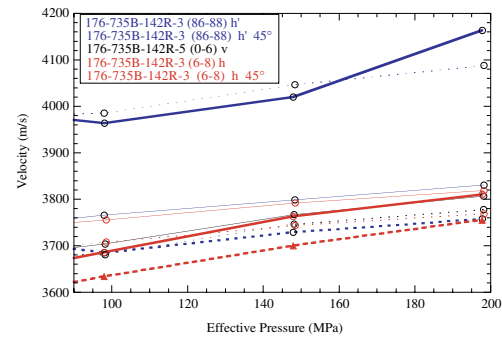


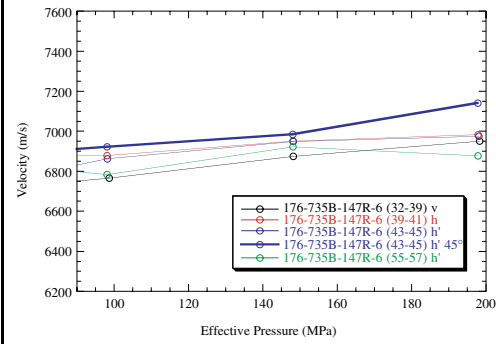


Table T1 (continued).

| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation) | Depth<br>(mbsf) |
|--|-----------------|
| 176-735B-147R-6 (43-45) h'                             | 947.37          |
| 176-735B-147R-6 (43-45) h' 45°                         | 947.37          |
| 176-735B-147R-6 (55-57) h'                             | 947.49          |
| 176-735B-154R-5 (32-34) h'                             | 1010.59         |
| 176-735B-154R-5 (42-44) h'                             | 1010.69         |



Compressional Wave Velocities



Shear Wave Velocities

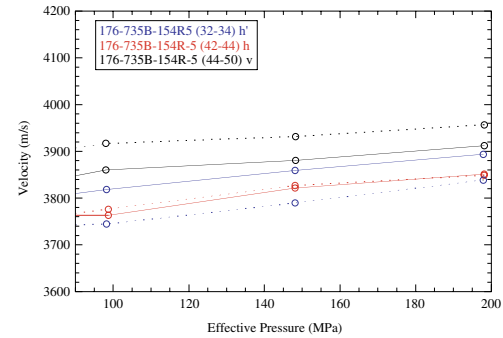
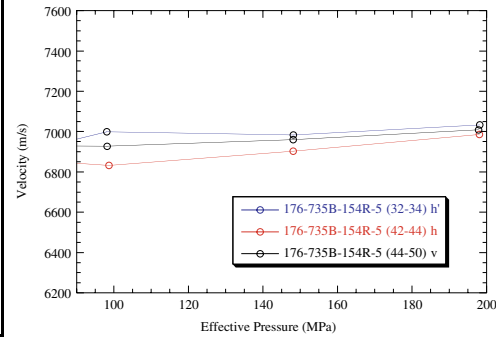
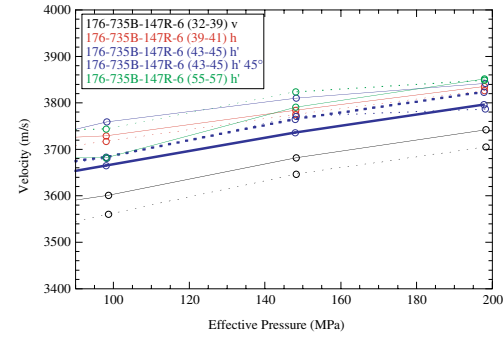
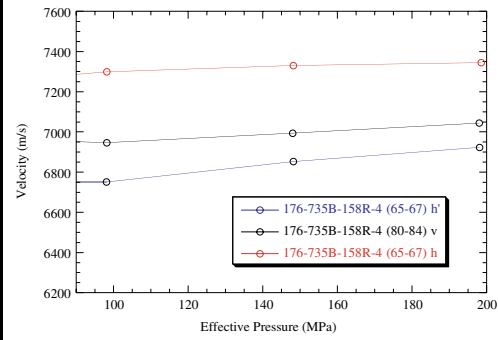


Table T1 (continued).

| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation) | Depth<br>(mbsf) |
|--|-----------------|
| 176-735B-154R-5 (44-50) v                              | 1010.71         |
| 176-735B-158R-4 (65-67) h'                             | 1048.63         |
| 176-735B-158R-4 (80-84) v                              | 1048.78         |
| 176-735B-158R-4 (84-86) h                              | 1048.82         |
| 176-735B-179R-5 (90-97) v                              | 1227.35         |

Compressional Wave Velocities



Shear Wave Velocities

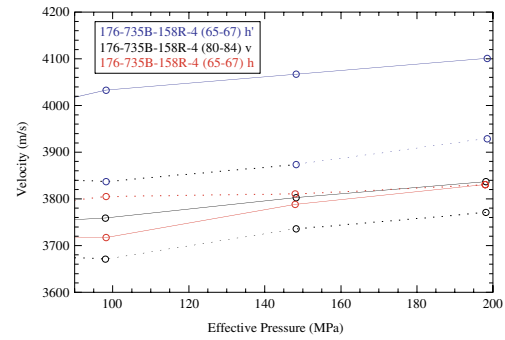
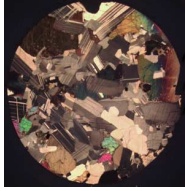
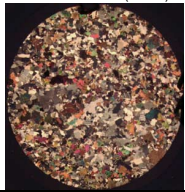
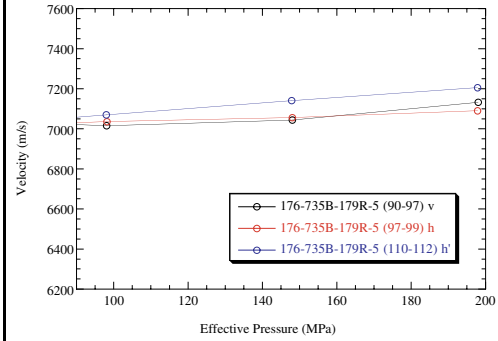


Table T1 (continued).

| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)   | Depth<br>(mbsf) |
|--|-----------------|
| 176-735B-179R-5 (97-99) h<br>   | 1227.42         |
| 176-735B-179R-5 (110-112) h'   | 1227.55         |
| 176-735B-190R-4 (67-69) h'   | 1330.90         |
| 176-735B-190R-4 (80-86) v  | 1331.03         |
| 176-735B-190R-4 (87-89) h<br> | 1331.10         |

Compressional Wave Velocities



Shear Wave Velocities

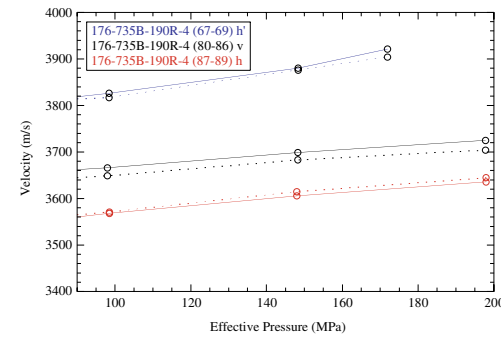
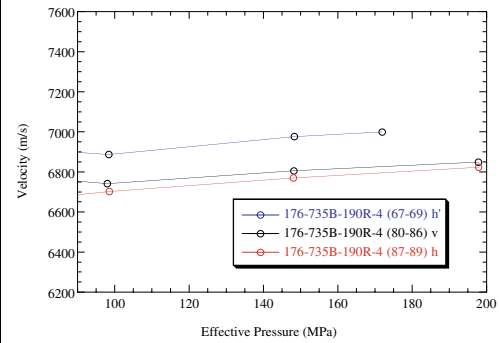
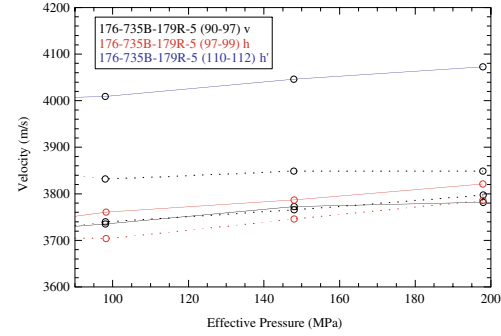
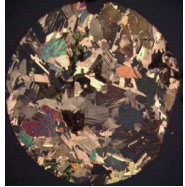
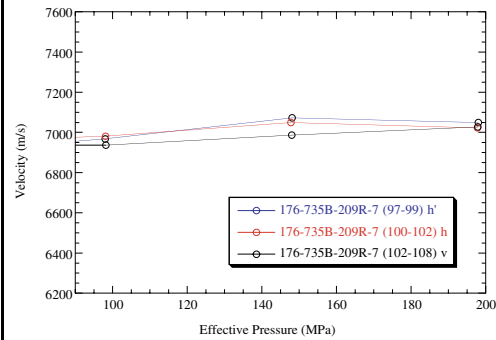


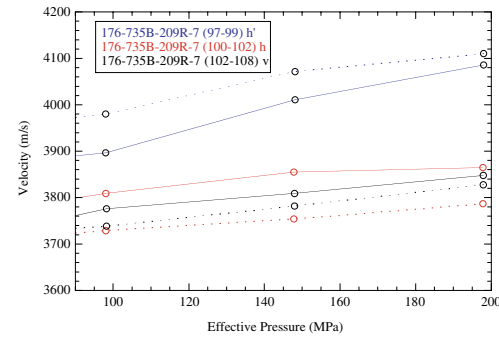
Table T1 (continued).

| Sample<br>(Leg-Hole-Core-Section-Interval-Orientation)   | Depth<br>(mbsf) |
|--|-----------------|
| 176-735B-209R-7 (97-99) h'   | 1497.16         |
| 176-735B-209R-7 (100-102) h<br> | 1497.19         |
| 176-735B-209R-7 (102-108) v  | 1497.21         |

Compressional Wave Velocities



Shear Wave Velocities



$V_{S1}$  for the h' (blue), h (red), and v (black) orientations are represented by solid lines.  
 $V_{S2}$  for the same orientations are shown as dashed lines.

Notes:

$P_c$  = confining pressure;  $P_p$  = pore pressure;  $E_p$  = effective pressure =  $(P_c - P_p)$ ;  $V_p$  = compressional wave velocity;  $V_{S1}$  and  $V_{S2}$  = shear wave velocity polarized according to description below and in Appendix;  
 $Q_p$  = compressional wave attenuation;  $Q_{S1}$  = attenuation of S1;  $Q_{S2}$  = attenuation of S2; v= vertically oriented sample (see Appendix); h = horizontally oriented sample and perpendicular to the core cut face (see Appendix); h' = horizontally oriented sample and parallel to the core cut face (see Appendix).

In vertical samples  $V_{S1}$  was polarized perpendicular to the cut face ( $V_{S2}$  is always 90 degrees from  $V_{S1}$ ); for horizontal cores,  $V_{S1}$  was horizontally polarized and  $V_{S2}$  was polarized vertically; 45° = polarized at 45 degrees from conventional measurements (in most cases is parallel to foliation).

$$V_p \text{ Anisotropy} = [(V_{pmax} - V_{pmin}) / (V_{pavg})] * 100 \text{ at } 200 \text{ MPa}$$

$$V_S \text{ Anisotropy} = [(V_{Smax} - V_{Smin}) / (V_{Savg})] * 100 \text{ at } 200 \text{ MPa for one sample only}$$

$$V_{Smax} \text{ Anisotropy} = [(V_{Smax} - V_{Smin}) / (V_{Savg})] * 100 \text{ at } 200 \text{ MPa for all samples in a core (9.5-m section)}$$

Plag = plagioclase; CPX = clinopyroxene

OPX = orthopyroxene; Ol = olivine

The deformation analysis follows the criteria described in the explanatory notes section of Dick, Natland, Miller, et al., 1999.

Mf = Magmatic Fabrics  
Pf = Crystal-Plastic Fabrics  
Cf = Cataclastic fabric

Magmatic Intensity Scale:  
0 = Isotropic; no shape fabric  
1 = Weak shape fabric  
2 = Moderate shape fabric  
3 = Strong shape fabric

Crystal-Plastic Intensity Scale:  
0 = Undeformed  
1 = Weakly foliated  
2 = Strongly foliated  
3 = Porphyroclastic (proto-mylonite)  
4 = Mylonite  
5 = Ultramylonite

Cataclastic Intensity Scale:  
0 = Undeformed  
1 = Minor fracturing; no significant grain-size reduction  
2 = Moderate fracturing; no significant grain-size reduction  
3 = Dense anastomosing fracturing and incipient breccia (<20% matrix)  
4 = Well-developed fault brecciation; rotation of clasts (20% to 70% matrix)  
5 = Cataclasite (>70% matrix)