

QUADRO D'UNIONE

LEGENDA

INDAGINI ESEGUITE PER PROGETTO DEFINITIVO ITALFERR 2019

- L3-S1-155: Sondaggio a carotaggio continuo
- PT: Pozzetto per prova di carico su piastra
- P: Pozzetto per prova di permeabilità
- CPTU: Prova piezometrica statica con piezoceno
- SCPTU: Prova piezometrica statica con piezoceno sismico
- MAW: Prova MASW

INDAGINI ESEGUITE PER PFTE ITALFERR 2018

- SCPTU: Prova piezometrica statica con piezoceno sismico
- MAW: Prova MASW

INDAGINI DA DATA BASE REGIONE LOMBARDIA

- E7A506607920: Sondaggio a carotaggio continuo
- ETC400481858: Pozzo per acqua
- ETC402410517: Prova piezometrica statica

INDAGINI DA ENSEER

- S42: Sondaggio a carotaggio continuo
- CPTU1: Prova piezometrica statica con piezoceno

SONDAGGIO A CAROTAGGIO CONTINUO

Identificazione sondaggio: L3-S16

PROVE IN FORDO

Prove SPT: valori di N60 espressi in colpi/30cm. "N" testate a prova anata a riflusso. Prova di permeabilità LPTM (in situ).

CAMPIONI: Identificazione dei campioni (numerazione) e "r" distanza. Sono indicati nell'elenco per i quali sono disponibili analisi di laboratorio.

PIEZOMETRO: definisce il tratto filtrante. indica il tipo di piezometro secondo la dizione seguente: X=Autoblo spento, C=Tipo Casagrande.

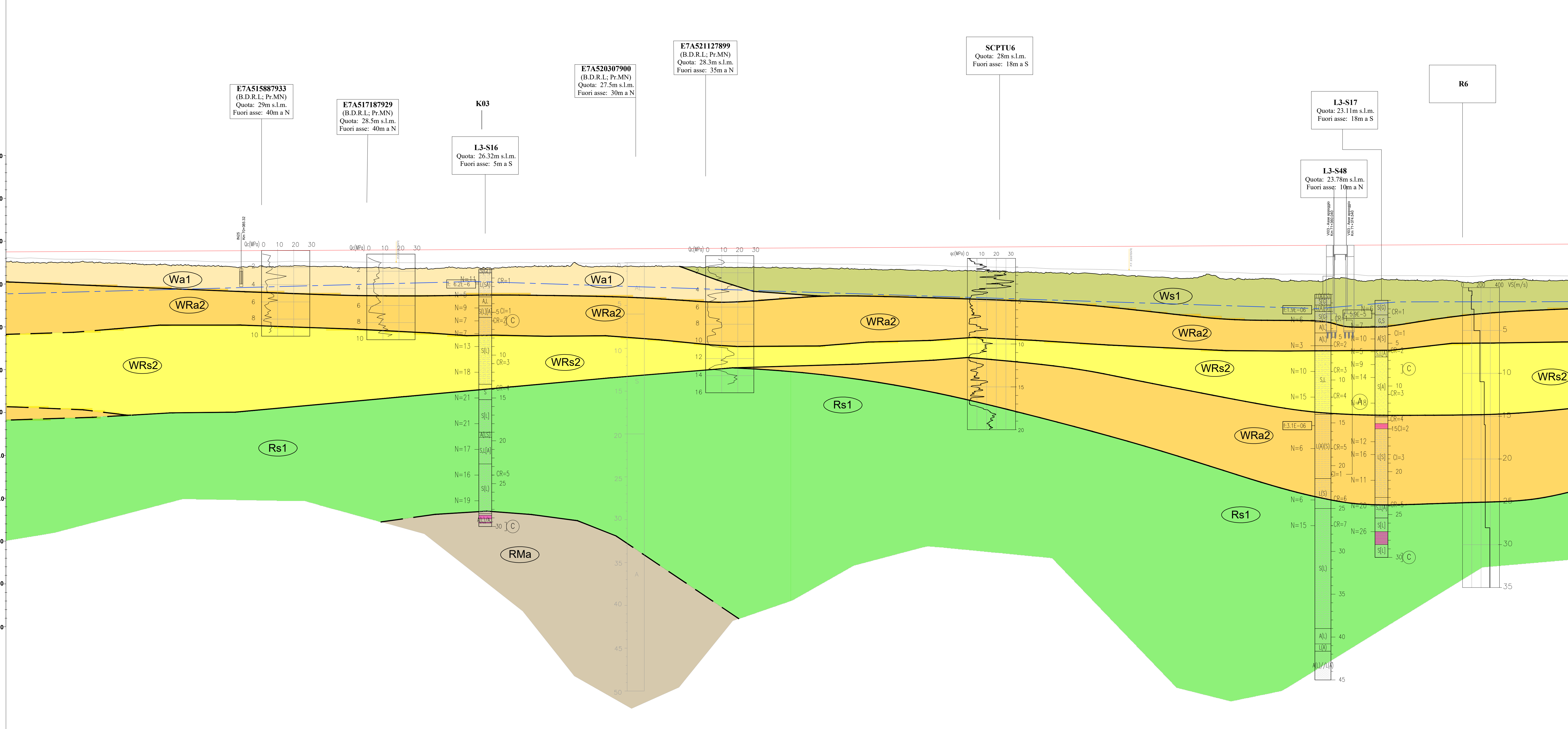
DESCRIZIONE schematiche del terreno

| CLASSI SUEDESE | DESCRIZIONE | CLASSE INTERNAZIONALE TORONTO | % terreni AGI | avvicino |
|----------------|-------------|-------------------------------|---------------|-----------------------|
| A-ARGILLA | Argilla | U | 0-30 | SIC/argilla grigia |
| S-SCIOLTA | Sabbia | SC | 30-50 | S-Gravello con ghiaia |
| G-GRANDE | Ghiaia | SG | 50-70 | SIC/mabbia con ghiaia |
| U-UMIDA | Umida | U | 70-95 | SIC/mabbia con ghiaia |

LEGENDA PROFILO

- Livellata di progetto
- Superficie piezometrica corrispondente alla soggiacenza minima nei mesi di Novembre 2019 e Gennaio 2020
- Limite unità geotecnica
- Limite unità geotecnica incerto

NOTA: Nel profilo compaiono le sole indagini con fuori asse inferiore a 100 metri, fatta eccezione in alcuni tratti dove le indagini confermano la stratigrafia lungo la linea ferroviaria.



LEGENDA UNITA' GEOTECNICHE

| UNITA' GEOTECNICA | DESCRIZIONE MATERIALE | UNITA' GEOLOGICA |
|-------------------|---|------------------|
| Aa | Deposito alluvionale limoso sabbioso, da debolmente argilloso ad argilloso e/o argilla da limosa a con limo. | A3/A2 |
| As | Deposito alluvionale di sabbia limosa, localmente argillosa, con rara ghiaia. | A3/A2 |
| Ws1 | Sabbia da limosa a con limo, localmente argillosa. | F (w) |
| WRa1 | Limo argilloso o con argilla, debolmente sabbioso o sabbioso e/o argilla limosa. | F (w) |
| WRa2 | Sabbia da limosa a con limo, localmente debolmente argillosa e/o ghiaiosa e/o con clasti. | F (w-r) |
| WRs2 | Argilla limosa sabbiosa e/o limo argilloso sabbioso e/o argilla con sabbia con possibili livelli centometrici di presenza organica. | F (w-r) |
| Rs1 | Sabbia da debolmente limosa a limosa, localmente debolmente argillosa e/o limo sabbioso. | F (r) |
| Ra2 | Sabbia da debolmente limosa a limosa, localmente ghiaiosa. | F (r) |
| Ra1 | Limo sabbioso e/o argilla limosa debolmente sabbiosa. | F (r) |
| RMa | Limo argilloso sabbioso o e/o argilla limosa sabbiosa con frequenti intercalazioni di livelli sabbiosi. Possibili livelli centometrici di materia organica e/o torba. | F (r-m) |
| RMs | Sabbia da debolmente limosa a con limo. | F (r-m) |

| NUMERO SEZIONE | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| QUOTE PROGETTO | 27.742 | -28.773 | 27.703 | -28.798 | 27.674 | -28.823 | 27.645 | -28.848 | 27.616 | -28.873 | 27.587 | -28.898 | 27.558 | -28.923 | 27.529 | -28.948 | 27.500 | -28.973 | 27.471 | -28.998 | 27.442 | -29.023 | 27.413 | -29.048 | 27.384 | -29.073 | 27.355 | -29.098 | 27.326 | -29.123 | 27.297 | -29.148 | 27.268 | -29.173 | 27.239 | -29.198 | 27.210 | -29.223 | 27.181 | -29.248 | 27.152 | -29.273 | 27.123 | -29.298 | 27.094 | -29.323 | 27.065 | -29.348 | 27.036 | -29.373 | 27.007 | -29.398 | 26.978 | -29.423 | 26.949 | -29.448 | 26.920 | -29.473 | 26.891 | -29.498 | 26.862 | -29.523 | 26.833 | -29.548 | 26.804 | -29.573 | 26.775 | -29.598 | 26.746 | -29.623 | 26.717 | -29.648 | 26.688 | -29.673 | 26.659 | -29.698 | 26.630 | -29.723 | 26.601 | -29.748 | 26.572 | -29.773 | 26.543 | -29.798 | 26.514 | -29.823 | 26.485 | -29.848 | 26.456 | -29.873 | 26.427 | -29.898 | 26.398 | -29.923 | 26.369 | -29.948 | 26.340 | -29.973 | 26.311 | -30.000 | 26.282 | -30.025 | 26.253 | -30.050 | 26.224 | -30.075 | 26.195 | -30.100 | 26.166 | -30.125 | 26.137 | -30.150 | 26.108 | -30.175 | 26.079 | -30.200 | 26.050 | -30.225 | 26.021 | -30.250 | 25.992 | -30.275 | 25.963 | -30.300 | 25.934 | -30.325 | 25.905 | -30.350 | 25.876 | -30.375 | 25.847 | -30.400 | 25.818 | -30.425 | 25.789 | -30.450 | 25.760 | -30.475 | 25.731 | -30.500 | 25.702 | -30.525 | 25.673 | -30.550 | 25.644 | -30.575 | 25.615 | -30.600 | 25.586 | -30.625 | 25.557 | -30.650 | 25.528 | -30.675 | 25.499 | -30.700 | 25.470 | -30.725 | 25.441 | -30.750 | 25.412 | -30.775 | 25.383 | -30.800 | 25.354 | -30.825 | 25.325 | -30.850 | 25.296 | -30.875 | 25.267 | -30.900 | 25.238 | -30.925 | 25.209 | -30.950 | 25.180 | -30.975 | 25.151 | -31.000 | 25.122 | -31.025 | 25.093 | -31.050 | 25.064 | -31.075 | 25.035 | -31.100 | 25.006 | -31.125 | 24.977 | -31.150 | 24.948 | -31.175 | 24.919 | -31.200 | 24.890 | -31.225 | 24.861 | -31.250 | 24.832 | -31.275 | 24.803 | -31.300 | 24.774 | -31.325 | 24.745 | -31.350 | 24.716 | -31.375 | 24.687 | -31.400 | 24.658 | -31.425 | 24.629 | -31.450 | 24.600 | -31.475 | 24.571 | -31.500 | 24.542 | -31.525 | 24.513 | -31.550 | 24.484 | -31.575 | 24.455 | -31.600 | 24.426 | -31.625 | 24.397 | -31.650 | 24.368 | -31.675 | 24.339 | -31.700 | 24.310 | -31.725 | 24.281 | -31.750 | 24.252 | -31.775 | 24.223 | -31.800 | 24.194 | -31.825 | 24.165 | -31.850 | 24.136 | -31.875 | 24.107 | -31.900 | 24.078 | -31.925 | 24.049 | -31.950 | 24.020 | -31.975 | 23.991 | -32.000 | 23.962 | -32.025 | 23.933 | -32.050 | 23.904 | -32.075 | 23.875 | -32.100 | 23.846 | -32.125 | 23.817 | -32.150 | 23.788 | -32.175 | 23.759 | -32.200 | 23.730 | -32.225 | 23.701 | -32.250 | 23.672 | -32.275 | 23.643 | -32.300 | 23.614 | -32.325 | 23.585 | -32.350 | 23.556 | -32.375 | 23.527 | -32.400 | 23.498 | -32.425 | 23.469 | -32.450 | 23.440 | -32.475 | 23.411 | -32.500 | 23.382 | -32.525 | 23.353 | -32.550 | 23.324 | -32.575 | 23.295 | -32.600 | 23.266 | -32.625 | 23.237 | -32.650 | 23.208 | -32.675 | 23.179 | -32.700 | 23.150 | -32.725 | 23.121 | -32.750 | 23.092 | -32.775 | 23.063 | -32.800 | 23.034 | -32.825 | 23.005 | -32.850 | 22.976 | -32.875 | 22.947 | -32.900 | 22.918 | -32.925 | 22.889 | -32.950 | 22.860 | -32.975 | 22.831 | -33.000 | 22.802 | -33.025 | 22.773 | -33.050 | 22.744 | -33.075 | 22.715 | -33.100 | 22.686 | -33.125 | 22.657 | -33.150 | 22.628 | -33.175 | 22.599 | -33.200 | 22.570 | -33.225 | 22.541 | -33.250 | 22.512 | -33.275 | 22.483 | -33.300 | 22.454 | -33.325 | 22.425 | -33.350 | 22.396 | -33.375 | 22.367 | -33.400 | 22.338 | -33.425 | 22.309 | -33.450 | 22.280 | -33.475 | 22.251 | -33.500 | 22.222 | -33.525 | 22.193 | -33.550 | 22.164 | -33.575 | 22.135 | -33.600 | 22.106 | -33.625 | 22.077 | -33.650 | 22.048 | -33.675 | 22.019 | -33.700 | 21.990 | -33.725 | 21.961 | -33.750 | 21.932 | -33.775 | 21.903 | -33.800 | 21.874 | -33.825 | 21.845 | -33.850 | 21.816 | -33.875 | 21.787 | -33.900 | 21.758 | -33.925 | 21.729 | -33.950 | 21.700 | -33.975 | 21.671 | -34.000 | 21.642 | -34.025 | 21.613 | -34.050 | 21.584 | -34.075 | 21.555 | -34.100 | 21.526 | -34.125 | 21.497 | -34.150 | 21.468 | -34.175 | 21.439 | -34.200 | 21.410 | -34.225 | 21.381 | -34.250 | 21.352 | -34.275 | 21.323 | -34.300 | 21.294 | -34.325 | 21.265 | -34.350 | 21.236 | -34.375 | 21.207 | -34.400 | 21.178 | -34.425 | 21.149 | -34.450 | 21.120 | -34.475 | 21.091 | -34.500 | 21.062 | -34.525 | 21.033 | -34.550 | 21.004 | -34.575 | 20.975 | -34.600 | 20.946 | -34.625 | 20.917 | -34.650 | 20.888 | -34.675 | 20.859 | -34.700 | 20.830 | -34.725 | 20.801 | -34.750 | 20.772 | -34.775 | 20.743 | -34.800 | 20.714 | -34.825 | 20.685 | -34.850 | 20.656 | -34.875 | 20.627 | -34.900 | 20.598 | -34.925 | 20.569 | -34.950 | 20.540 | -34.975 | 20.511 | -35.000 | 20.482 | -35.025 | 20.453 | -35.050 | 20.424 | -35.075 | 20.395 | -35.100 | 20.366 | -35.125 | 20.337 | -35.150 | 20.308 | -35.175 | 20.279 | -35.200 | 20.250 | -35.225 | 20.221 | -35.250 | 20.192 | -35.275 | 20.163 | -35.300 | 20.134 | -35.325 | 20.105 | -35.350 | 20.076 | -35.375 | 20.047 | -35.400 | 20.018 | -35.425 | 19.989 | -35.450 | 19.960 | -35.475 | 19.931 | -35.500 | 19.902 | -35.525 | 19.873 | -35.550 | 19.844 | -35.575 | 19.815 | -35.600 | 19.786 | -35.625 | 19.757 | -35.650 | 19.728 | -35.675 | 19.699 | -35.700 | 19.670 | -35.725 | 19.641 | -35.750 | 19.612 | -35.775 | 19.583 | -35.800 | 19.554 | -35.825 | 19.525 | -35.850 | 19.496 | -35.875 | 19.467 | -35.900 | 19.438 | -35.925 | 19.409 | -35.950 | 19.380 | -35.975 | 19.351 | -36.000 | 19.322 | -36.025 | 19.293 | -36.050 | 19.264 | -36.075 | 19.235 | -36.100 | 19.206 | -36.125 | 19.177 | -36.150 | 19.148 | -36.175 | 19.119 | -36.200 | 19.090 | -36.225 | 19.061 | -36.250 | 19.032 | -36.275 | 19.003 | -36.300 | 18.974 | -36.325 | 18.945 | -36.350 | 18.916 | -36.375 | 18.887 | -36.400 | 18.858 | -36.425 | 18.829 | -36.450 | 18.800 | -36.475 | 18.771 | -36.500 | 18.742 | -36.525 | 18.713 | -36.550 | 18.684 | -36.575 | 18.655 | -36.600 | 18.626 | -36.625 | 18.597 | -36.650 | 18.568 | -36.675 | 18.539 | -36.700 | 18.510 | -36.725 | 18.481 | -36.750 | 18.452 | -36.775 | 18.423 | -36.800 | 18.394 | -36.825 | 18.365 | -36.850 | 18.336 | -36.875 | 18.307 | -36.900 | 18.278 | -36.925 | 18.249 | -36.950 | 18.220 | -36.975 | 18.191 | -37.000 | 18.162 | -37.025 | 18.133 | -37.050 | 18.104 | -37.075 | 18.075 | -37.100 | 18.046 | -37.125 | 18.017 | -37.150 | 17.988 | -37.175 | 17.959 | -37.200 | 17.930 | -37.225 | 17.901 | -37.250 | 17.872 | -37.275 | 17.843 | -37.300 | 17.814 | -37.325 | 17.785 | -37.350 | 17.756 | -37.375 | 17.727 | -37.400 | 17.698 | -37.425 | 17.669 | -37.450 | 17.640 | -37.475 | 17.611 | -37.500 | 17.582 | -37.525 | 17.553 | -37.550 | 17.524 | -37.575 | 17.495 | -37.600 | 17.466 | -37.625 | 17.437 | -37.650 | 17.408 | -37.675 | 17.379 | -37.700 | 17.350 | -37.725 | 17.321 | -37.750 | 17.292 | -37.775 | 17.263 | -37.800 | 17.234 | -37.825 | 17.205 | -37.850 | 17.176 | -37.875 | 17.147 | -37.900 | 17.118 | -37.925 | 17.089 | -37.950 | 17.060 | -37.975 | 17.031 | -38.000 | 17.002 | -38.025 | 16.973 | -38.050 | 16.944 | -38.075 | 16.915 | -38.100 | 16.886 | -38.125 | 16.857 | -38.150 | 16.828 | -38.175 | 16.799 | -38.200 | 16.770 | -38.225 | 16.741 | -38.250 | 16.712 | -38.275 | 16.683 | -38.300 | 16.654 | -38.325 | 16.625 | -38.350 | 16.596 | -38.375 | 16.567 | -38.400 | 16.538 | -38.425 | 16.509 | -38.450 | 16.480 | -38.475 | 16.451 | -38.500 | 16.422 | -38.525 | 16.393 | -38.550 | 16.364 | -38.575 | 16.335 | -38.600 | 16.306 | -38.625 | 16.277 | -38.650 | 16.248 | -38.675 | 16.219 | -38.700 | 16.190 | -38.725 | 16.161 | -38.750 | 16.132 | -38.775 | 16.103 | -38.800 | 16.074 | -38.825 | 16.045 | -38.850 | 16.016 | -38.875 | 15.987 | -38.900 | 15.958 | -38.925 | 15.929 | -38.950 | 15.900 | -38.975 | 15.871 | -39.000 | 15.842 | -39.025 | 15.813 | -39.050 | 15.784 | -39.075 | 15.755 | -39.100 | 15.726 | -39.125 | 15.697 | -39.150 | 15.668 | -39.175 | 15.639 | -39.200 | 15.610 | -39.225 | 15.581 | -39.250 | 15.552 | -39.275 | 15.523 | -39.300 | 15.494 | -39.325 | 15.465 | -39.350 | 15.436 | -39.375 | 15.407 | -39.400 | 15.378 | -39.425 | 15.349 | -39.450 | 15.320 | -39.475 | 15.291 | -39.500 | 15.262 | -39.525 | 15.233 | -39.550 | 15.204 | -39.575 | 15.175 | -39.600 | 15.146 | -39.625 | 15.117 | -39.650 | 15.088 | -39.675 | 15.059 | -39.700 | 15.030 | -39.725 | 15.001 | -39.750 | 14.972 | -39.775 | 14.943 | -39.800 | 14.914 | -39.825 | 14.885 | -39.850 | 14.856 | -39.8 |