

| Filename | Sm. | Mean lee side angle (°) | Maximum angle (°) | Max. angle position | Bedform length (m) | Bedform height (m) | Steep portion height (m) | Length flow seapration zone (m) | Maximum TKE (m ² /s ²) | Mean TKE (m ² /s ²) | Length wake (m) |
|----------------------------|-----|-------------------------|-------------------|---------------------|--------------------|--------------------|--------------------------|---------------------------------|---|--|-----------------|
| sm0_ls10_sfm20_config1.mat | 0 | -10.048 | -20.000 | 0.750 | 24.390 | 0.900 | 0.300 | 0.000 | 0.007 | 0.001 | 15.746 |
| sm0_ls10_sfm20_config2.mat | 0 | -10.048 | -20.000 | 0.580 | 24.390 | 0.900 | 0.300 | 0.000 | 0.007 | 0.001 | 14.323 |
| sm0_ls10_sfm20_config3.mat | 0 | -10.048 | -20.000 | 0.420 | 24.390 | 0.900 | 0.300 | 0.585 | 0.008 | 0.001 | 15.173 |
| sm0_ls10_sfm20_config4.mat | 0 | -10.048 | -20.000 | 0.250 | 24.390 | 0.900 | 0.300 | 0.995 | 0.008 | 0.001 | 13.826 |
| sm0_ls10_straight.mat | 0 | -9.877 | -10.000 | 0.500 | 24.390 | 0.893 | 0.298 | 0.000 | 0.006 | 0.001 | 13.272 |
| sm0_ls15_straight.mat | 0 | -14.634 | -15.000 | 0.500 | 24.390 | 0.894 | 0.298 | 0.000 | 0.009 | 0.001 | 15.527 |
| sm0_ls20_sfm30_config1.mat | 0 | -20.155 | -30.000 | 0.750 | 24.390 | 0.900 | 0.300 | 3.552 | 0.015 | 0.002 | 24.390 |
| sm0_ls20_sfm30_config2.mat | 0 | -20.155 | -30.000 | 0.580 | 24.390 | 0.900 | 0.300 | 2.619 | 0.013 | 0.002 | 21.166 |
| sm0_ls20_sfm30_config3.mat | 0 | -20.155 | -30.000 | 0.420 | 24.390 | 0.900 | 0.300 | 2.101 | 0.011 | 0.002 | 18.648 |
| sm0_ls20_sfm30_config4.mat | 0 | -20.155 | -30.000 | 0.250 | 24.390 | 0.900 | 0.300 | 1.702 | 0.011 | 0.001 | 18.035 |
| sm0_ls20_straight.mat | 0 | -19.507 | -20.000 | 0.500 | 24.390 | 0.894 | 0.298 | 2.223 | 0.012 | 0.002 | 19.643 |
| sm0_ls25_straight.mat | 0 | -24.238 | -25.000 | 0.500 | 24.390 | 0.894 | 0.298 | 2.800 | 0.014 | 0.002 | 24.040 |
| sm0_ls30_straight.mat | 0 | -28.724 | -30.000 | 0.500 | 24.390 | 0.894 | 0.298 | 4.339 | 0.020 | 0.002 | 24.390 |
| sm0_ls5_sfm10_config1.mat | 0 | -5.004 | -10.000 | 0.750 | 24.390 | 0.900 | 0.300 | 0.000 | 0.005 | 0.001 | 15.481 |
| sm0_ls5_sfm10_config2.mat | 0 | -5.004 | -10.000 | 0.580 | 24.390 | 0.900 | 0.300 | 0.000 | 0.005 | 0.001 | 15.516 |
| sm0_ls5_sfm10_config3.mat | 0 | -5.004 | -10.000 | 0.420 | 24.390 | 0.900 | 0.300 | 0.000 | 0.005 | 0.001 | 15.782 |
| sm0_ls5_sfm10_config4.mat | 0 | -5.004 | -10.000 | 0.250 | 24.390 | 0.900 | 0.300 | 0.000 | 0.005 | 0.001 | 15.797 |
| sm0_ls5_sfm25_config1.mat | 0 | -4.916 | -25.000 | 0.750 | 24.390 | 0.900 | 0.300 | 1.021 | 0.006 | 0.001 | 19.524 |
| sm0_ls5_sfm25_config2.mat | 0 | -4.916 | -25.000 | 0.580 | 24.390 | 0.900 | 0.300 | 1.555 | 0.007 | 0.001 | 19.156 |
| sm0_ls5_sfm25_config3.mat | 0 | -4.916 | -25.000 | 0.420 | 24.390 | 0.900 | 0.300 | 1.284 | 0.009 | 0.001 | 19.206 |
| sm0_ls5_sfm25_config4.mat | 0 | -4.916 | -25.000 | 0.250 | 24.390 | 0.900 | 0.300 | 0.768 | 0.007 | 0.001 | 17.231 |
| sm0_ls5_straight.mat | 0 | -5.000 | -5.000 | 0.500 | 24.390 | 0.898 | 0.299 | 0.000 | 0.005 | 0.001 | 15.180 |
| sm5_ls10_sfm15_config1.mat | 5 | -9.478 | -15.000 | 0.750 | 24.390 | 0.900 | 0.300 | 0.000 | 0.006 | 0.001 | 13.733 |
| sm5_ls10_sfm15_config2.mat | 5 | -9.478 | -15.000 | 0.580 | 24.390 | 0.900 | 0.300 | 0.000 | 0.007 | 0.001 | 13.933 |
| sm5_ls10_sfm15_config3.mat | 5 | -9.478 | -15.000 | 0.420 | 24.390 | 0.900 | 0.300 | 0.000 | 0.007 | 0.001 | 14.099 |
| sm5_ls10_sfm15_config4.mat | 5 | -9.478 | -15.000 | 0.250 | 24.390 | 0.900 | 0.300 | 0.000 | 0.007 | 0.001 | 13.751 |
| sm5_ls10_sfm20_config1.mat | 5 | -9.442 | -20.000 | 0.750 | 24.390 | 0.900 | 0.300 | 0.000 | 0.006 | 0.001 | 14.086 |
| sm5_ls10_sfm20_config2.mat | 5 | -9.442 | -20.000 | 0.580 | 24.390 | 0.900 | 0.300 | 0.000 | 0.007 | 0.001 | 14.495 |
| sm5_ls10_sfm20_config3.mat | 5 | -9.442 | -20.000 | 0.420 | 24.390 | 0.900 | 0.300 | 0.457 | 0.008 | 0.001 | 14.851 |
| sm5_ls10_sfm20_config4.mat | 5 | -9.442 | -20.000 | 0.250 | 24.390 | 0.900 | 0.300 | 1.102 | 0.008 | 0.001 | 14.132 |
| sm5_ls10_sfm25_config1.mat | 5 | -9.397 | -25.000 | 0.750 | 24.390 | 0.900 | 0.300 | 0.000 | 0.007 | 0.001 | 15.111 |
| sm5_ls10_sfm25_config2.mat | 5 | -9.397 | -25.000 | 0.580 | 24.390 | 0.900 | 0.300 | 0.000 | 0.008 | 0.001 | 15.571 |
| sm5_ls10_sfm25_config3.mat | 5 | -9.397 | -25.000 | 0.420 | 24.390 | 0.900 | 0.300 | 1.417 | 0.008 | 0.001 | 15.181 |
| sm5_ls10_sfm25_config4.mat | 5 | -9.397 | -25.000 | 0.250 | 24.390 | 0.900 | 0.300 | 1.355 | 0.008 | 0.001 | 14.338 |
| sm5_ls10_sfm30_config1.mat | 5 | -9.375 | -30.000 | 0.750 | 24.390 | 0.900 | 0.300 | 0.000 | 0.007 | 0.001 | 15.978 |
| sm5_ls10_sfm30_config2.mat | 5 | -9.375 | -30.000 | 0.580 | 24.390 | 0.900 | 0.300 | 1.234 | 0.008 | 0.001 | 16.003 |
| sm5_ls10_sfm30_config3.mat | 5 | -9.375 | -30.000 | 0.420 | 24.390 | 0.900 | 0.300 | 1.830 | 0.009 | 0.001 | 15.254 |
| sm5_ls10_sfm30_config4.mat | 5 | -9.375 | -30.000 | 0.250 | 24.390 | 0.900 | 0.300 | 1.187 | 0.008 | 0.001 | 13.992 |
| sm5_ls10_straight.mat | 5 | -9.292 | -10.000 | 0.500 | 24.390 | 0.889 | 0.296 | 0.000 | 0.006 | 0.001 | 13.387 |
| sm5_ls15_sfm20_config1.mat | 5 | -13.792 | -20.000 | 0.750 | 24.390 | 0.900 | 0.300 | 0.000 | 0.009 | 0.001 | 16.444 |
| sm5_ls15_sfm20_config2.mat | 5 | -13.792 | -20.000 | 0.580 | 24.390 | 0.900 | 0.300 | 2.024 | 0.010 | 0.001 | 17.198 |
| sm5_ls15_sfm20_config3.mat | 5 | -13.792 | -20.000 | 0.420 | 24.390 | 0.900 | 0.300 | 1.820 | 0.010 | 0.001 | 16.925 |
| sm5_ls15_sfm20_config4.mat | 5 | -13.792 | -20.000 | 0.250 | 24.390 | 0.900 | 0.300 | 1.779 | 0.009 | 0.001 | 16.392 |
| sm5_ls15_sfm25_config1.mat | 5 | -13.735 | -25.000 | 0.750 | 24.390 | 0.900 | 0.300 | 1.879 | 0.010 | 0.001 | 18.201 |
| sm5_ls15_sfm25_config2.mat | 5 | -13.735 | -25.000 | 0.580 | 24.390 | 0.900 | 0.300 | 2.088 | 0.010 | 0.001 | 16.958 |
| sm5_ls15_sfm25_config3.mat | 5 | -13.735 | -25.000 | 0.420 | 24.390 | 0.900 | 0.300 | 1.967 | 0.010 | 0.001 | 16.340 |
| sm5_ls15_sfm25_config4.mat | 5 | -13.735 | -25.000 | 0.250 | 24.390 | 0.900 | 0.300 | 1.439 | 0.009 | 0.001 | 15.312 |
| sm5_ls15_sfm30_config1.mat | 5 | -13.692 | -30.000 | 0.750 | 24.390 | 0.900 | 0.300 | 2.481 | 0.011 | 0.002 | 19.093 |

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|----------------------------|---|---------|---------|-------|--------|-------|-------|-------|-------|-------|--------|
| sm5_ls15_sfm30_config2.mat | 5 | -13.692 | -30.000 | 0.580 | 24.390 | 0.900 | 0.300 | 2.406 | 0.010 | 0.001 | 17.492 |
| sm5_ls15_sfm30_config3.mat | 5 | -13.692 | -30.000 | 0.420 | 24.390 | 0.900 | 0.300 | 2.066 | 0.010 | 0.001 | 16.369 |
| sm5_ls15_sfm30_config4.mat | 5 | -13.692 | -30.000 | 0.250 | 24.390 | 0.900 | 0.300 | 1.437 | 0.009 | 0.001 | 15.042 |
| sm5_ls15_straight.mat | 5 | -13.464 | -15.000 | 0.500 | 24.390 | 0.892 | 0.297 | 1.040 | 0.009 | 0.001 | 15.041 |
| sm5_ls20_sfm25_config1.mat | 5 | -17.486 | -25.000 | 0.750 | 24.390 | 0.900 | 0.300 | 2.498 | 0.012 | 0.002 | 19.968 |
| sm5_ls20_sfm25_config2.mat | 5 | -17.484 | -25.000 | 0.580 | 24.390 | 0.900 | 0.300 | 2.388 | 0.012 | 0.002 | 18.455 |
| sm5_ls20_sfm25_config3.mat | 5 | -17.484 | -25.000 | 0.420 | 24.390 | 0.900 | 0.300 | 2.198 | 0.011 | 0.001 | 17.774 |
| sm5_ls20_sfm25_config4.mat | 5 | -17.486 | -25.000 | 0.250 | 24.390 | 0.900 | 0.300 | 1.895 | 0.011 | 0.001 | 17.063 |
| sm5_ls20_sfm30_config1.mat | 5 | -17.426 | -30.000 | 0.750 | 24.390 | 0.900 | 0.300 | 3.437 | 0.015 | 0.002 | 24.390 |
| sm5_ls20_sfm30_config2.mat | 5 | -17.423 | -30.000 | 0.580 | 24.390 | 0.900 | 0.300 | 2.342 | 0.012 | 0.002 | 19.246 |
| sm5_ls20_sfm30_config3.mat | 5 | -17.423 | -30.000 | 0.420 | 24.390 | 0.900 | 0.300 | 2.086 | 0.011 | 0.001 | 17.850 |
| sm5_ls20_sfm30_config4.mat | 5 | -17.427 | -30.000 | 0.250 | 24.390 | 0.900 | 0.300 | 1.920 | 0.010 | 0.001 | 16.999 |
| sm5_ls20_straight.mat | 5 | -17.495 | -20.000 | 0.500 | 24.390 | 0.888 | 0.296 | 2.206 | 0.011 | 0.001 | 18.037 |
| sm5_ls25_sfm30_config1.mat | 5 | -21.231 | -30.000 | 0.750 | 24.390 | 0.900 | 0.300 | 3.201 | 0.014 | 0.002 | 23.580 |
| sm5_ls25_sfm30_config2.mat | 5 | -21.219 | -30.000 | 0.580 | 24.390 | 0.900 | 0.300 | 2.762 | 0.013 | 0.002 | 21.894 |
| sm5_ls25_sfm30_config3.mat | 5 | -21.219 | -30.000 | 0.420 | 24.390 | 0.900 | 0.300 | 2.776 | 0.013 | 0.002 | 21.075 |
| sm5_ls25_sfm30_config4.mat | 5 | -21.233 | -30.000 | 0.250 | 24.390 | 0.900 | 0.300 | 2.752 | 0.013 | 0.002 | 20.715 |
| sm5_ls25_straight.mat | 5 | -21.237 | -25.000 | 0.500 | 24.390 | 0.889 | 0.296 | 2.617 | 0.013 | 0.002 | 20.961 |
| sm5_ls30_straight.mat | 5 | -24.666 | -30.000 | 0.500 | 24.390 | 0.889 | 0.296 | 3.515 | 0.017 | 0.002 | 24.390 |
| sm5_ls5_sfm10_config1.mat | 5 | -4.867 | -10.000 | 0.750 | 24.390 | 0.900 | 0.300 | 0.000 | 0.005 | 0.001 | 15.332 |
| sm5_ls5_sfm10_config2.mat | 5 | -4.867 | -10.000 | 0.580 | 24.390 | 0.900 | 0.300 | 0.000 | 0.005 | 0.001 | 15.740 |
| sm5_ls5_sfm10_config3.mat | 5 | -4.867 | -10.000 | 0.420 | 24.390 | 0.900 | 0.300 | 0.000 | 0.005 | 0.001 | 15.871 |
| sm5_ls5_sfm10_config4.mat | 5 | -4.867 | -10.000 | 0.250 | 24.390 | 0.900 | 0.300 | 0.000 | 0.005 | 0.001 | 15.929 |
| sm5_ls5_sfm15_config1.mat | 5 | -4.894 | -15.000 | 0.750 | 24.390 | 0.900 | 0.300 | 0.000 | 0.005 | 0.001 | 15.864 |
| sm5_ls5_sfm15_config2.mat | 5 | -4.894 | -15.000 | 0.580 | 24.390 | 0.900 | 0.300 | 0.000 | 0.005 | 0.001 | 16.289 |
| sm5_ls5_sfm15_config3.mat | 5 | -4.894 | -15.000 | 0.420 | 24.390 | 0.900 | 0.300 | 0.000 | 0.006 | 0.001 | 16.648 |
| sm5_ls5_sfm15_config4.mat | 5 | -4.894 | -15.000 | 0.250 | 24.390 | 0.900 | 0.300 | 0.000 | 0.006 | 0.001 | 16.541 |
| sm5_ls5_sfm20_config1.mat | 5 | -4.875 | -20.000 | 0.750 | 24.390 | 0.900 | 0.300 | 0.000 | 0.005 | 0.001 | 16.246 |
| sm5_ls5_sfm20_config2.mat | 5 | -4.875 | -20.000 | 0.580 | 24.390 | 0.900 | 0.300 | 0.000 | 0.005 | 0.001 | 16.812 |
| sm5_ls5_sfm20_config3.mat | 5 | -4.875 | -20.000 | 0.420 | 24.390 | 0.900 | 0.300 | 0.000 | 0.006 | 0.001 | 16.942 |
| sm5_ls5_sfm20_config4.mat | 5 | -4.875 | -20.000 | 0.250 | 24.390 | 0.900 | 0.300 | 0.643 | 0.007 | 0.001 | 17.186 |
| sm5_ls5_sfm25_config1.mat | 5 | -4.853 | -25.000 | 0.750 | 24.390 | 0.900 | 0.300 | 0.000 | 0.005 | 0.001 | 17.273 |
| sm5_ls5_sfm25_config2.mat | 5 | -4.853 | -25.000 | 0.580 | 24.390 | 0.900 | 0.300 | 0.977 | 0.006 | 0.001 | 17.805 |
| sm5_ls5_sfm25_config3.mat | 5 | -4.853 | -25.000 | 0.420 | 24.390 | 0.900 | 0.300 | 0.556 | 0.007 | 0.001 | 17.652 |
| sm5_ls5_sfm25_config4.mat | 5 | -4.853 | -25.000 | 0.250 | 24.390 | 0.900 | 0.300 | 0.800 | 0.007 | 0.001 | 17.384 |
| sm5_ls5_sfm30_config1.mat | 5 | -4.845 | -30.000 | 0.750 | 24.390 | 0.900 | 0.300 | 0.534 | 0.005 | 0.001 | 17.537 |
| sm5_ls5_sfm30_config2.mat | 5 | -4.845 | -30.000 | 0.580 | 24.390 | 0.900 | 0.300 | 0.913 | 0.006 | 0.001 | 17.711 |
| sm5_ls5_sfm30_config3.mat | 5 | -4.845 | -30.000 | 0.420 | 24.390 | 0.900 | 0.300 | 0.786 | 0.007 | 0.001 | 17.568 |
| sm5_ls5_sfm30_config4.mat | 5 | -4.845 | -30.000 | 0.250 | 24.390 | 0.900 | 0.300 | 0.917 | 0.007 | 0.001 | 17.297 |
| sm5_ls5_straight.mat | 5 | -4.862 | -5.000 | 0.500 | 24.390 | 0.897 | 0.299 | 0.000 | 0.005 | 0.001 | 15.353 |