

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Irreversible pressure/depth changes detected during events.

File Name: Supplementary Data 2

Description: Flow event velocities as measured by BEDs and between instruments

File Name: Supplementary Data 3

Description: AMT temperature and depth vs. time (every 45 minutes)

File Name: Supplementary Data 4

Description: BED and AMT depth vs. time during 24 November 2016 flow event

File Name: Supplementary Data 5

Description: Monterey Canyon thalweg from EM300 data

File Name: Supplementary Data 6

Description: Monterey Bay maximum wave height vs time (every 2 hours) during the experiment

File Name: Supplementary Data 7

Description: Discharge measured at USGS 11152500 SALINAS R NR SPRECKELS CA during the experiment