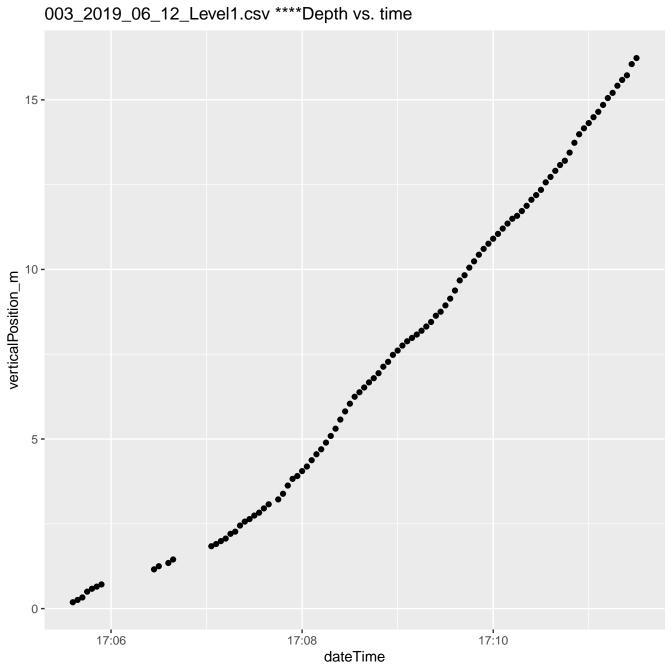
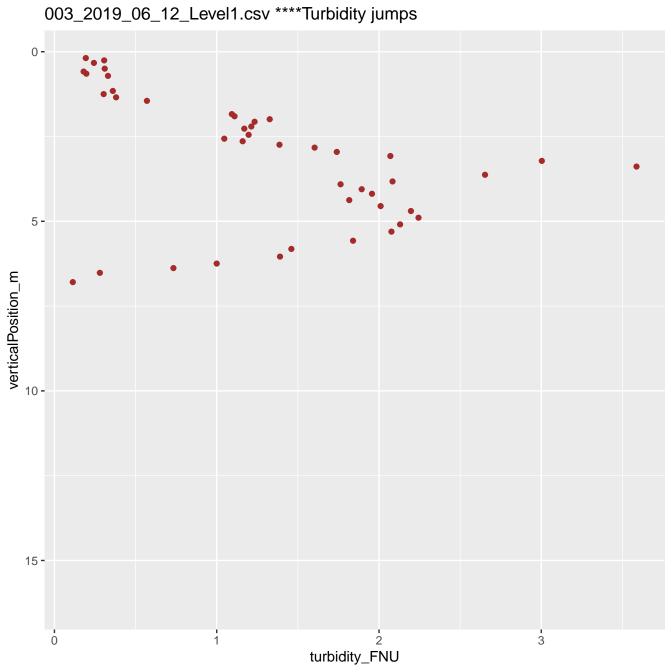
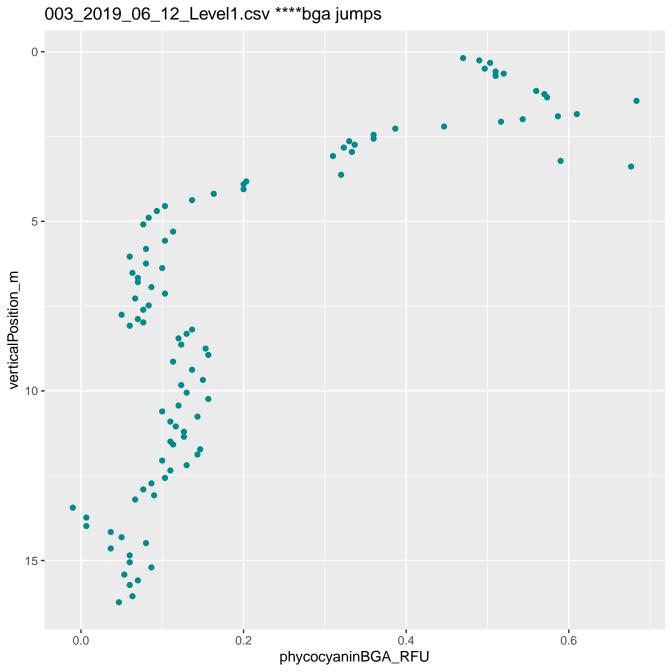
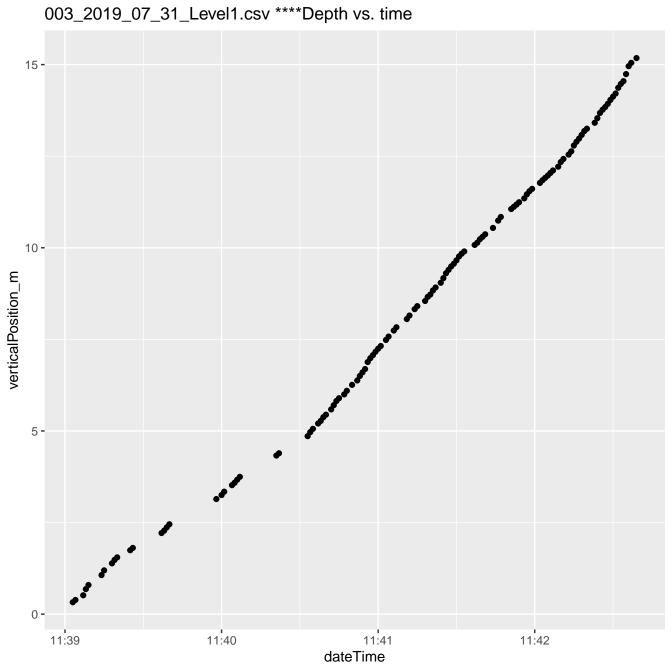


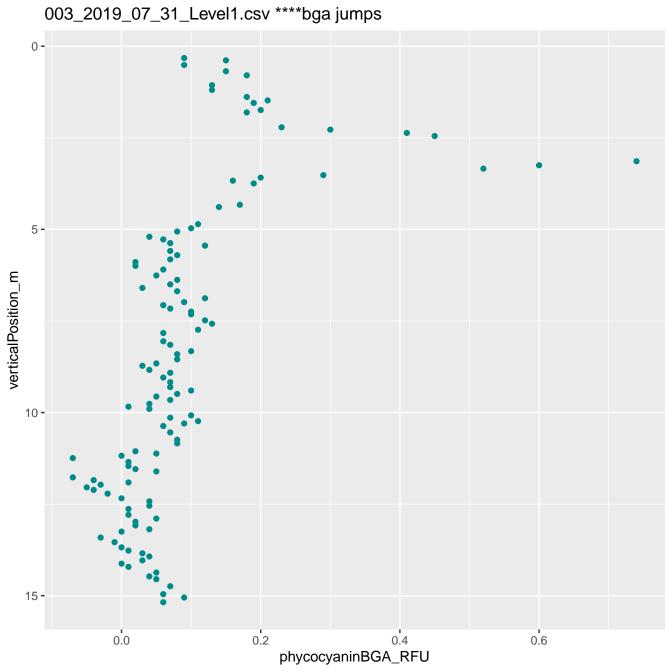
003_2019_05_23_Level1.csv ****bga jumps 0 -5 verticalPosition_m 15 **-**0.4 0.1 0.0 0.2 phycocyaninBGA_RFU 0.3

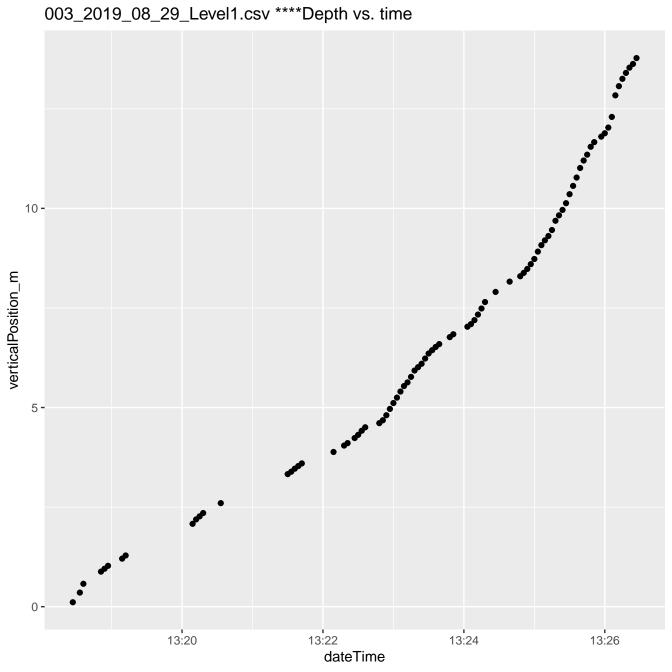




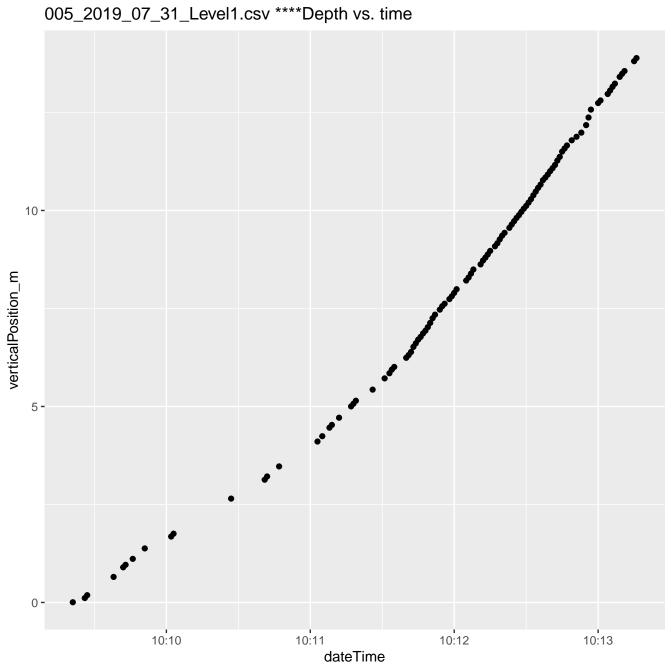


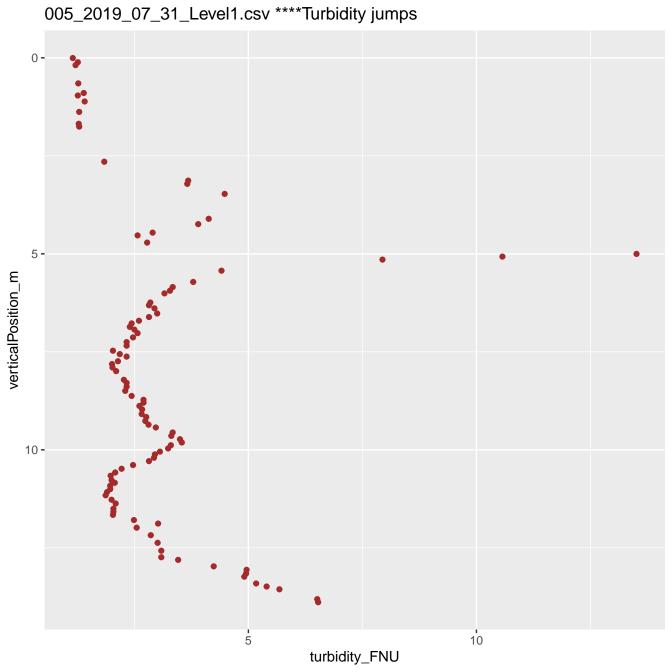


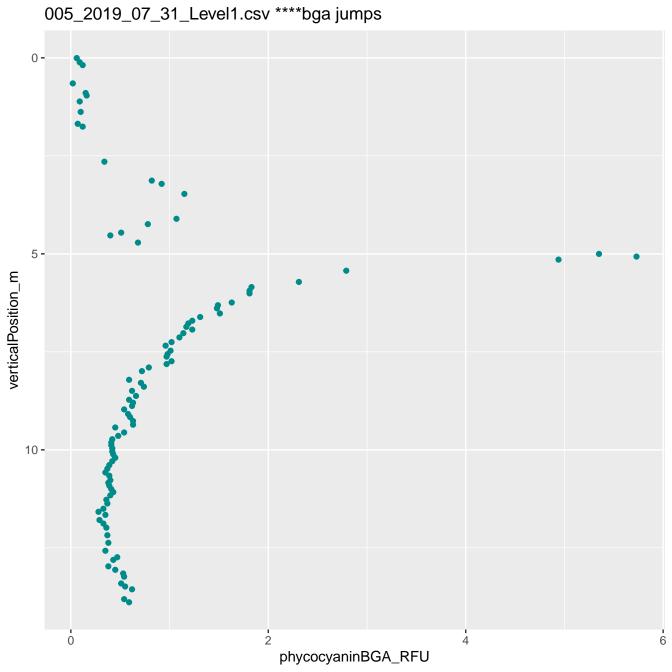


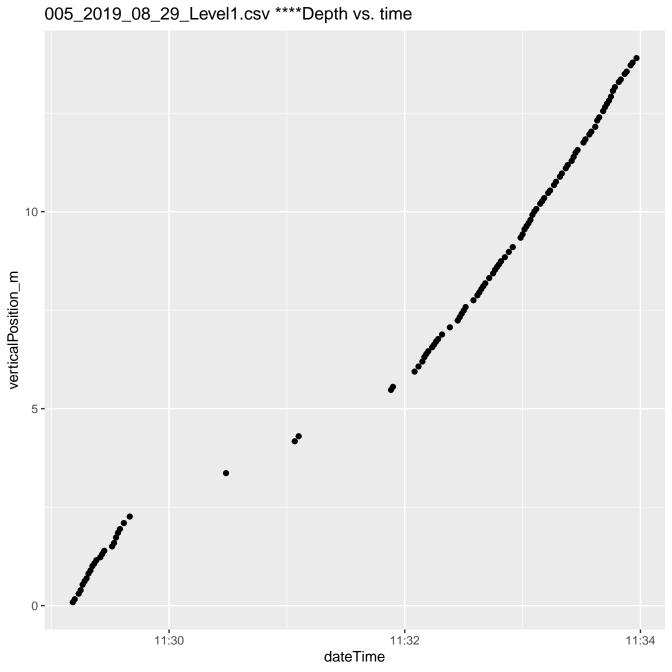


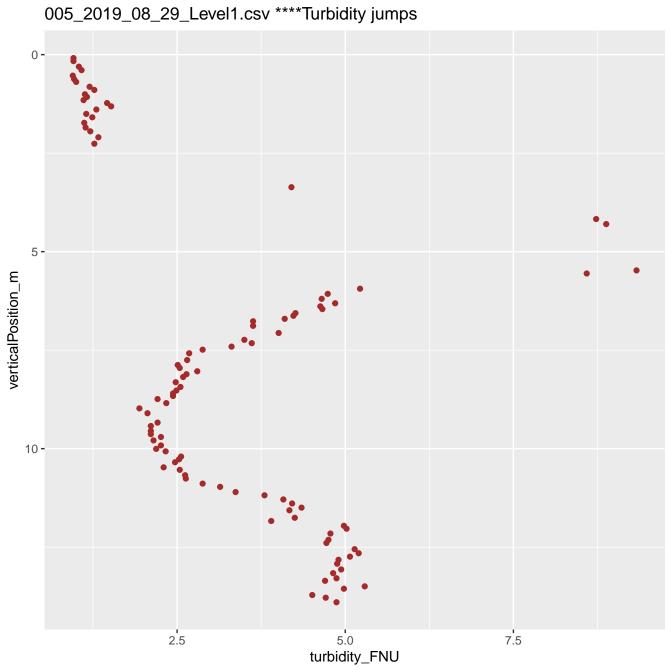
003_2019_08_29_Level1.csv ****Turbidity jumps 0 -5 verticalPosition_m 10 -2 0 $turbidity_FNU$

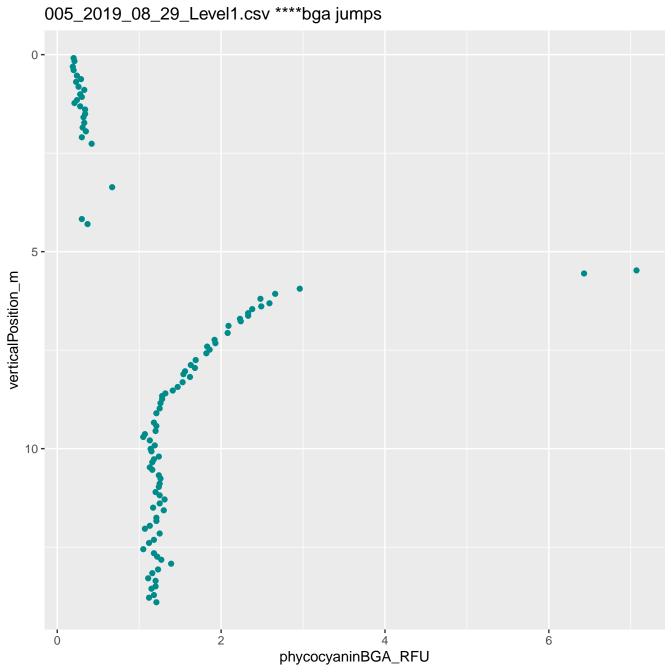


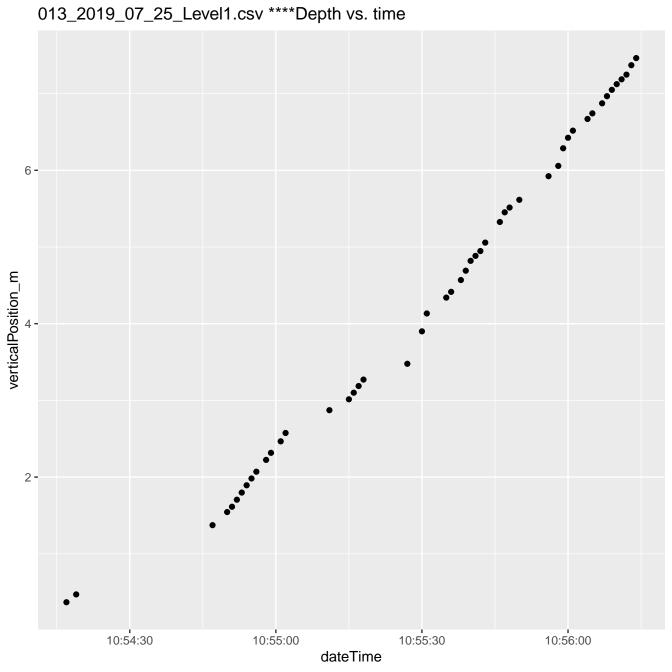


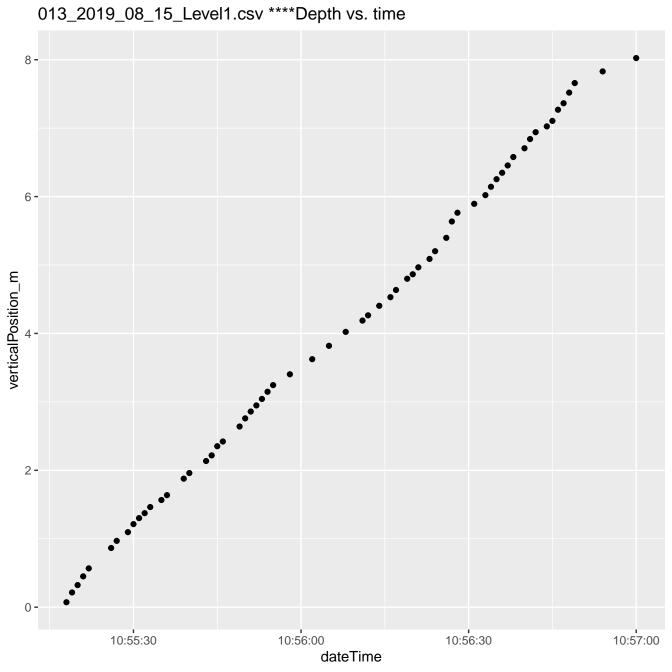


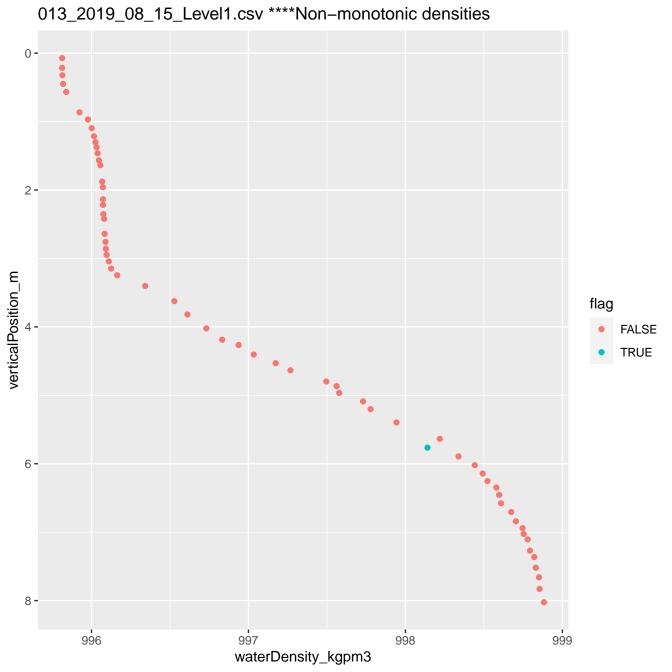


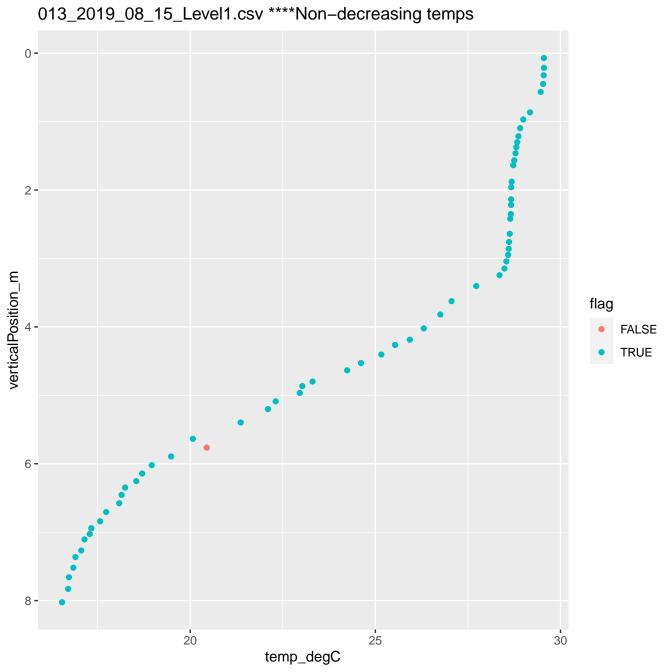


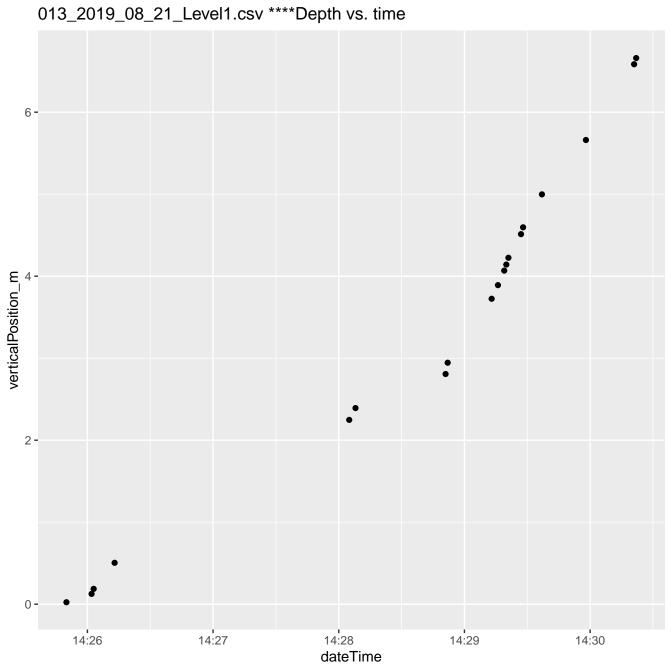


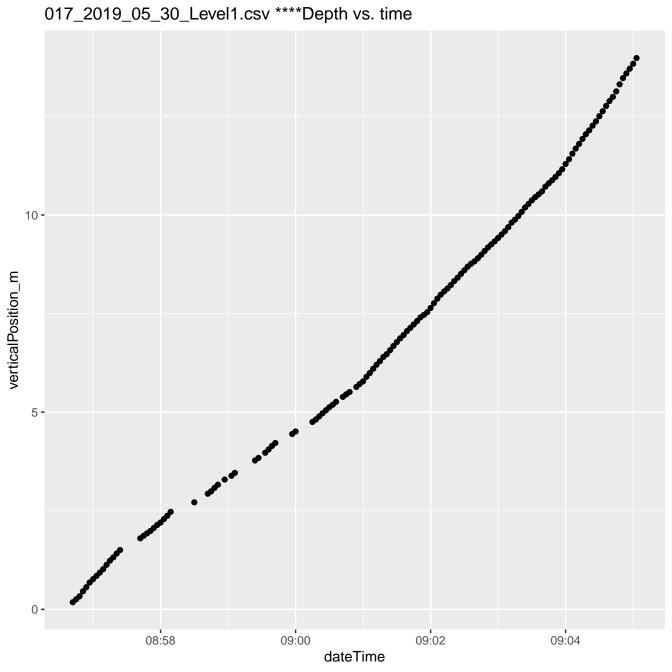


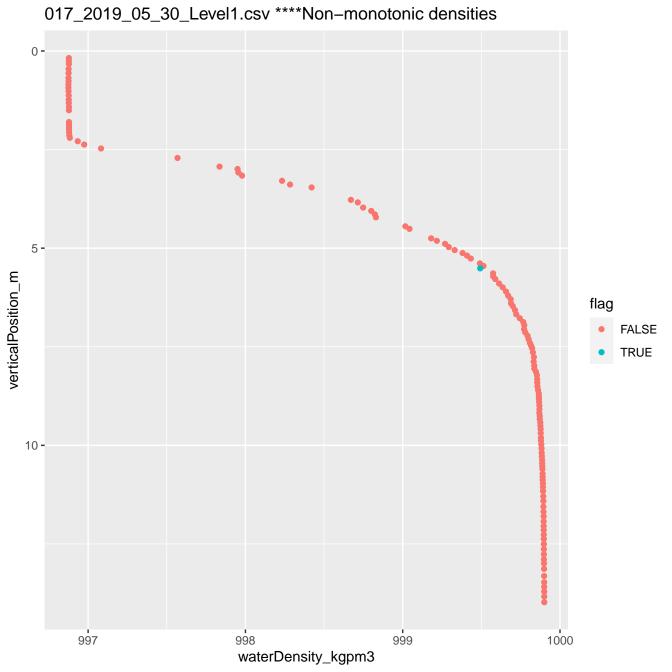


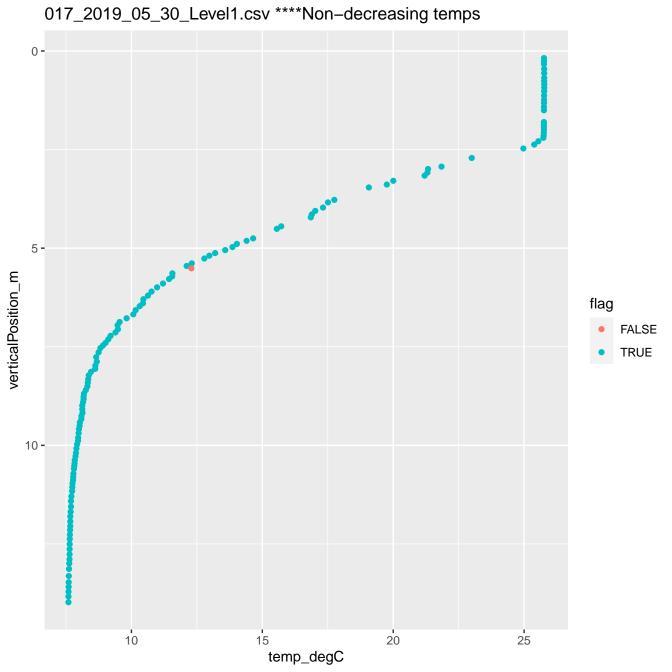


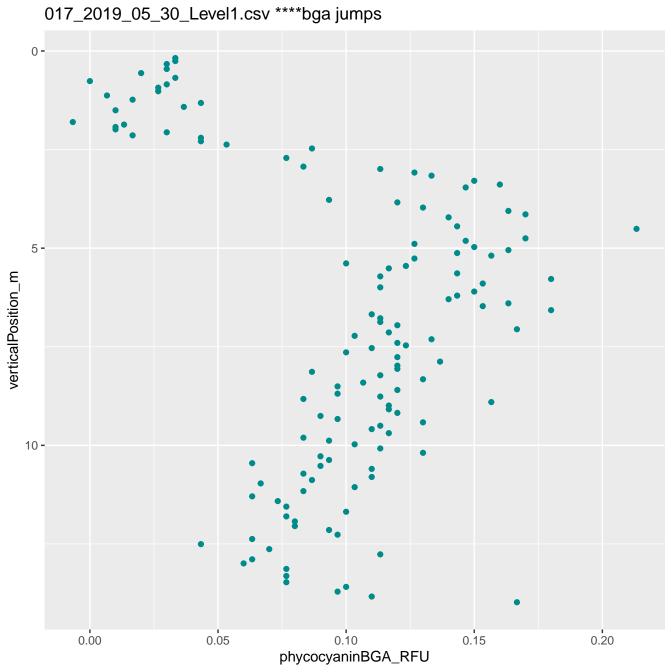


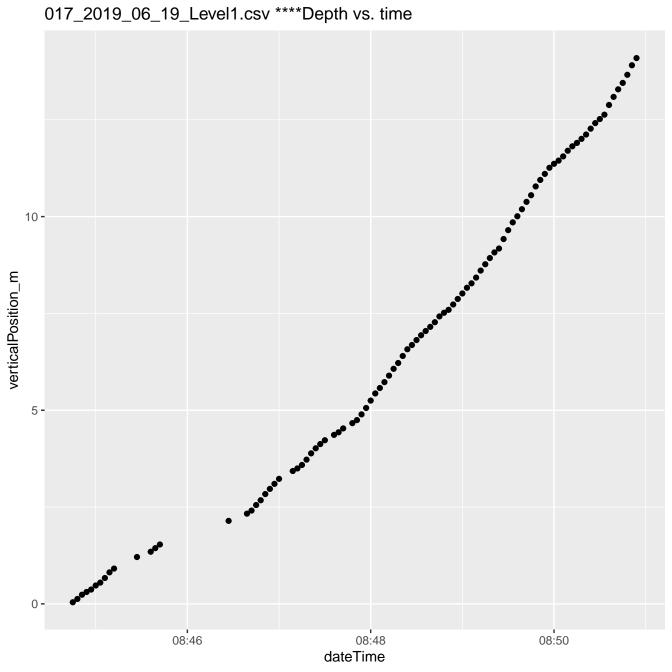


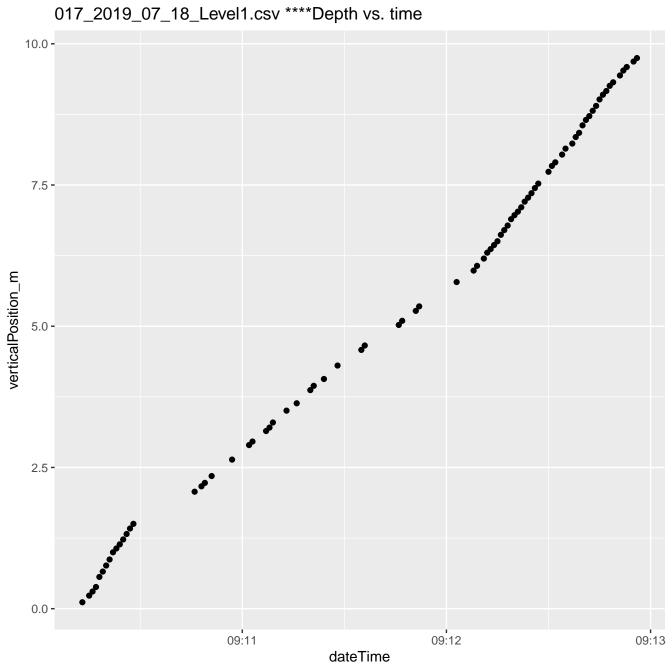








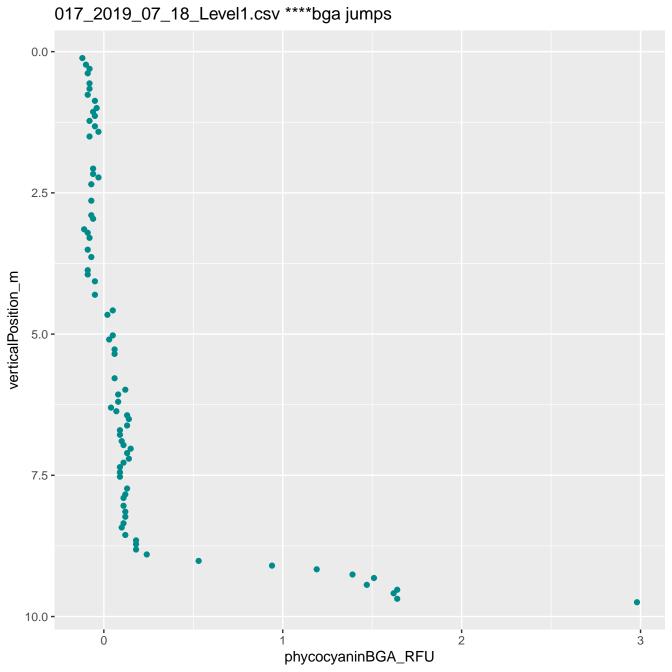




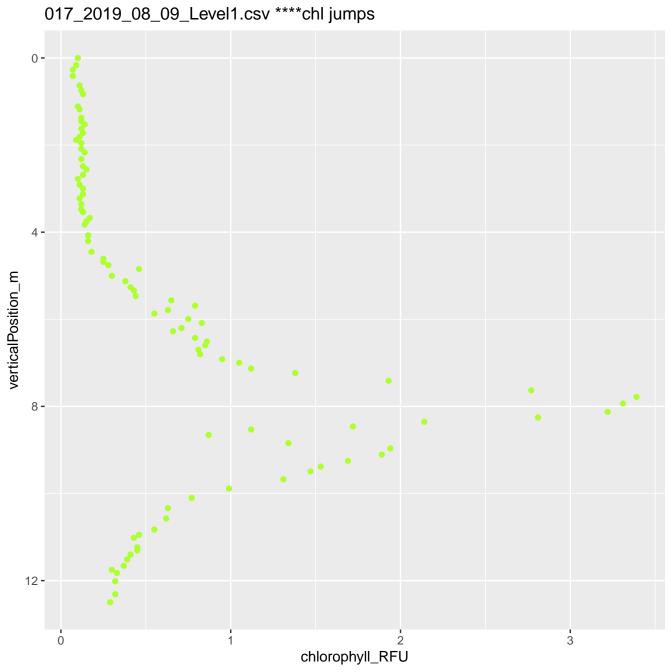
017_2019_07_18_Level1.csv ****Turbidity jumps 0.0 -2.5 -5.0 **-**7.5 **-**10.0 -2 3

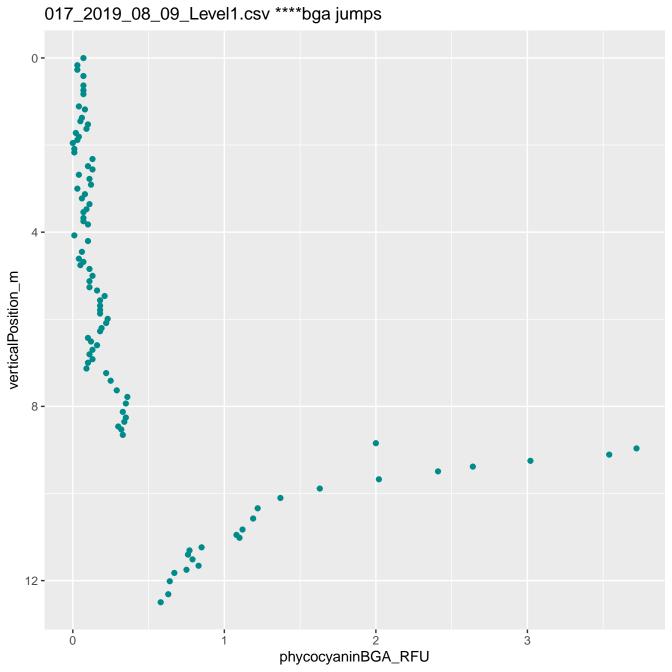
turbidity_FNU

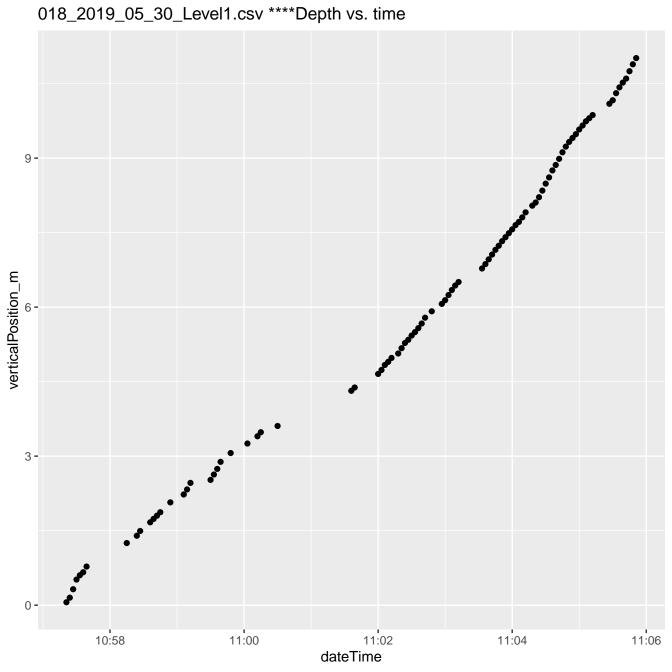
verticalPosition_m

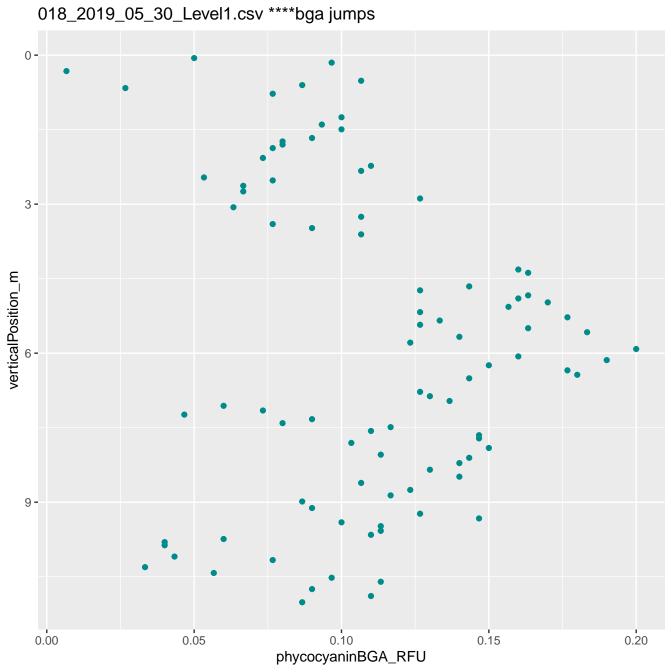


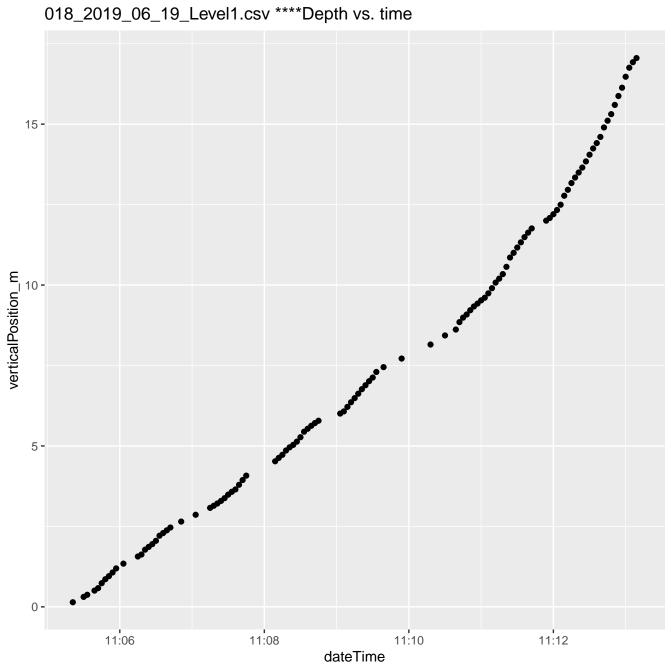
017_2019_08_09_Level1.csv ****Depth vs. time 12 -8 verticalPosition_m 4 -0 -08:34:00 08:34:30 08:35:00 08:35:30 08:33:30 dateTime

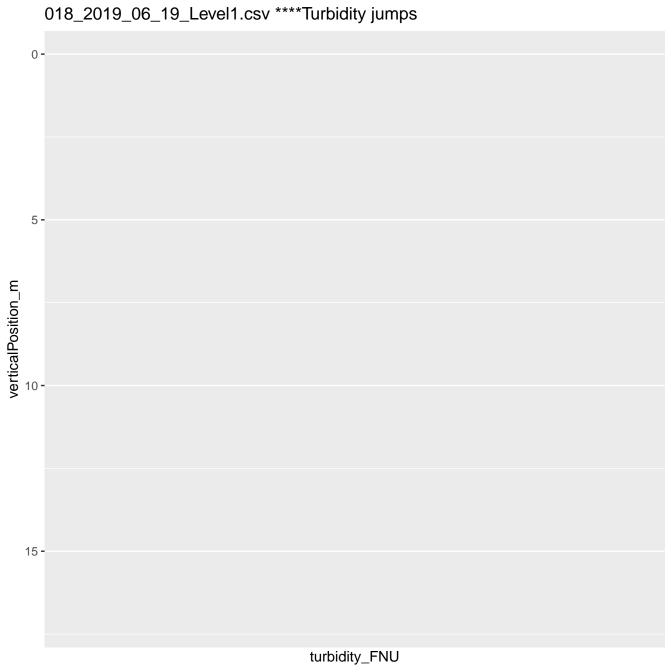




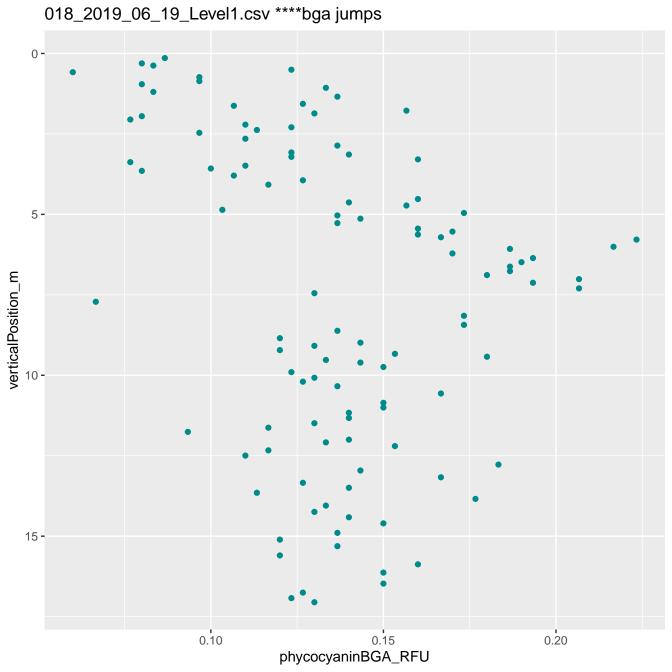


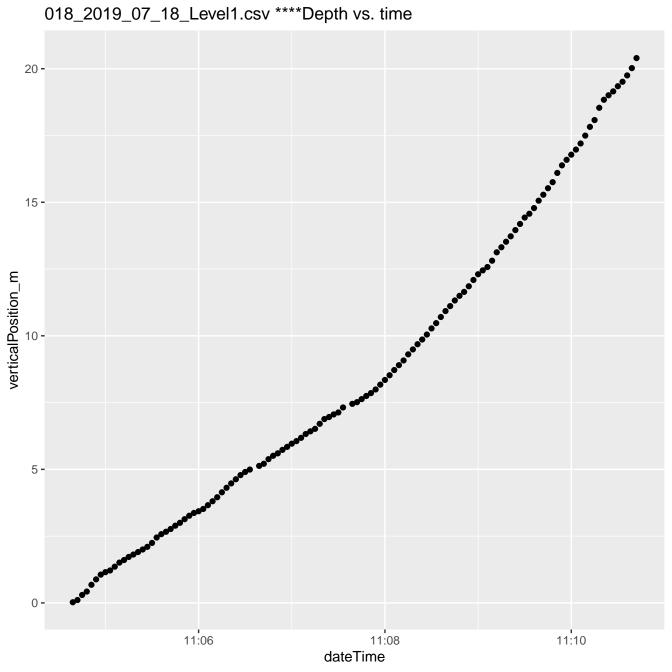


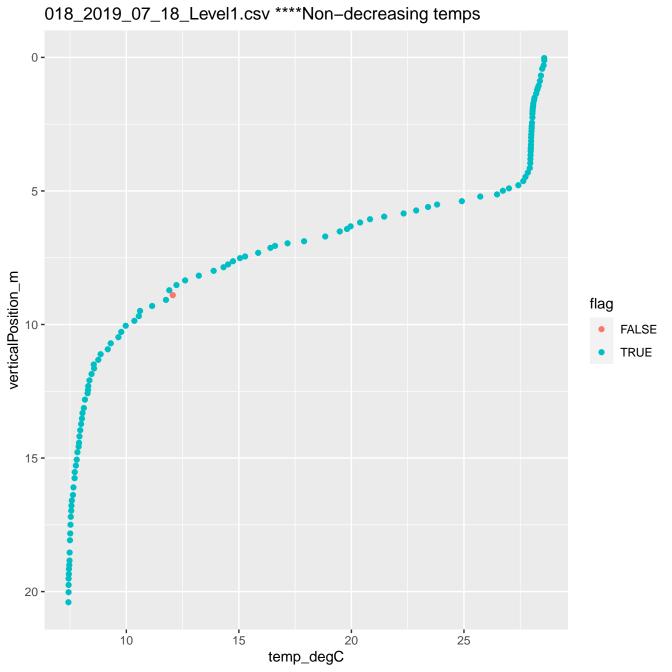




018_2019_06_19_Level1.csv ****chl jumps 0 -5 verticalPosition_m 15 **-**0.5 1.0 $chlorophyll_RFU$





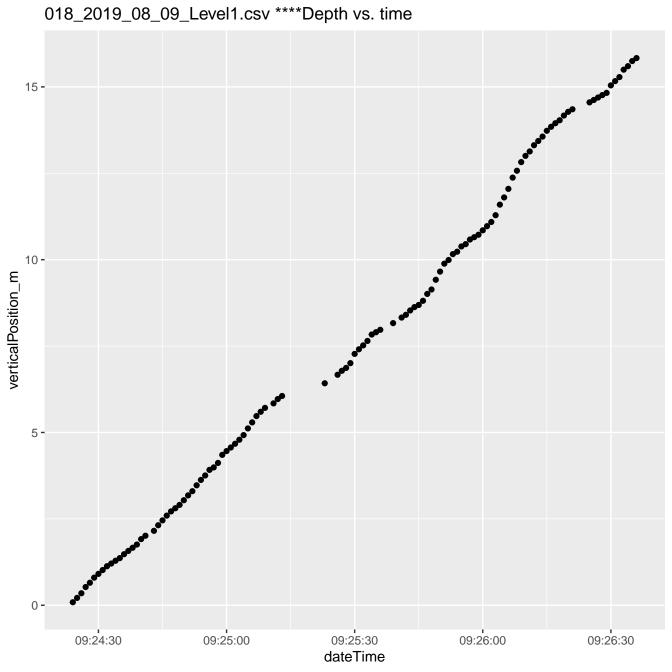


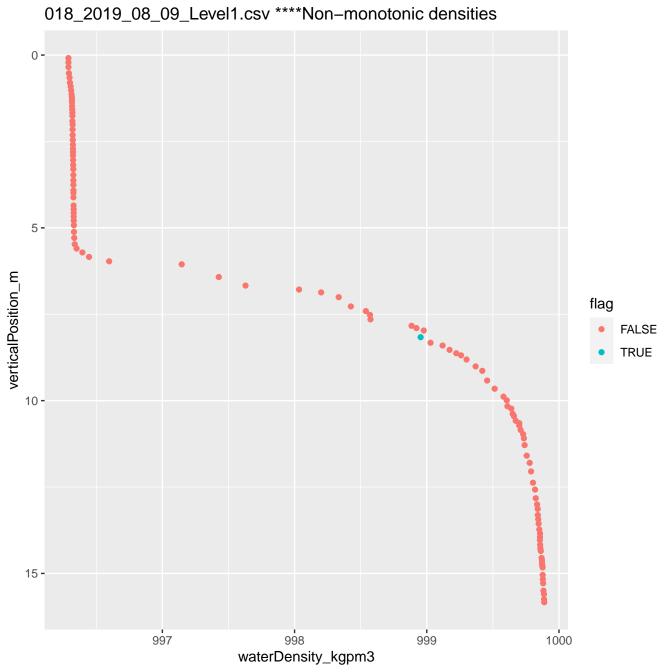
018_2019_07_18_Level1.csv ****Turbidity jumps 0 -5 -15 **-**20 -3 0 turbidity_FNU

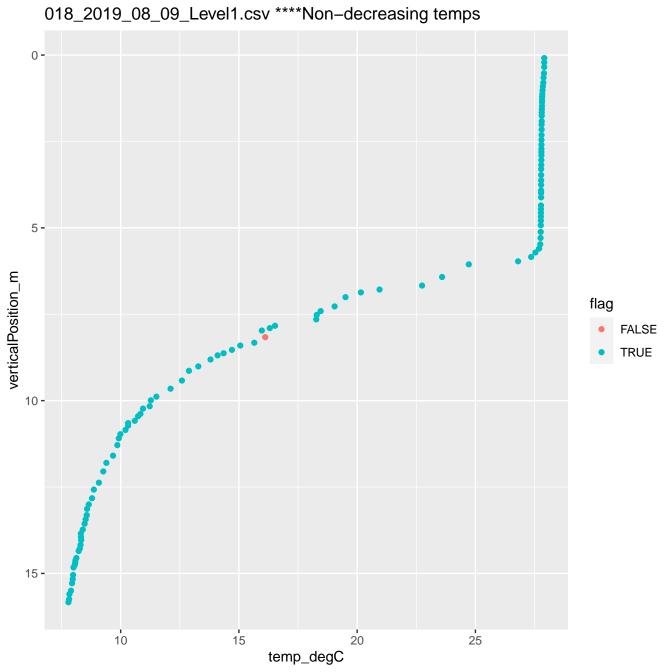
verticalPosition_m

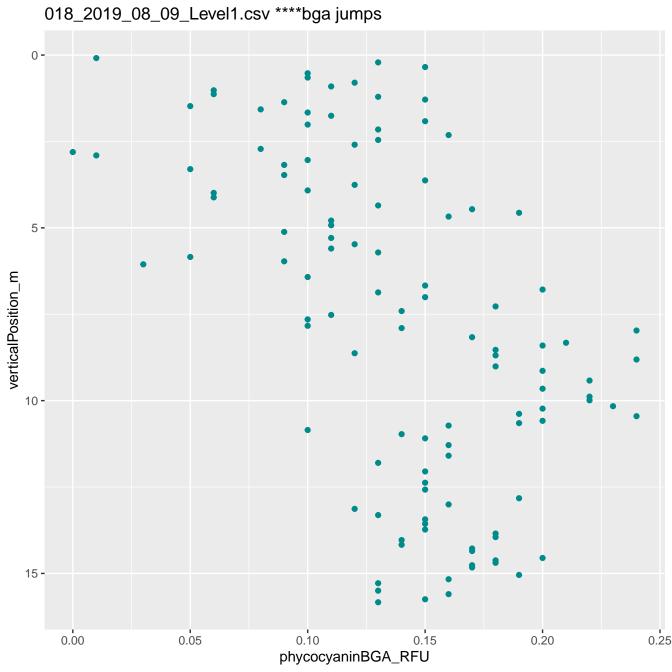
018_2019_07_18_Level1.csv ****chl jumps 0 -5 verticalPosition_m 15 **-**20 -0.2 chlorophyll_RFU 0.1 0.4 0.3

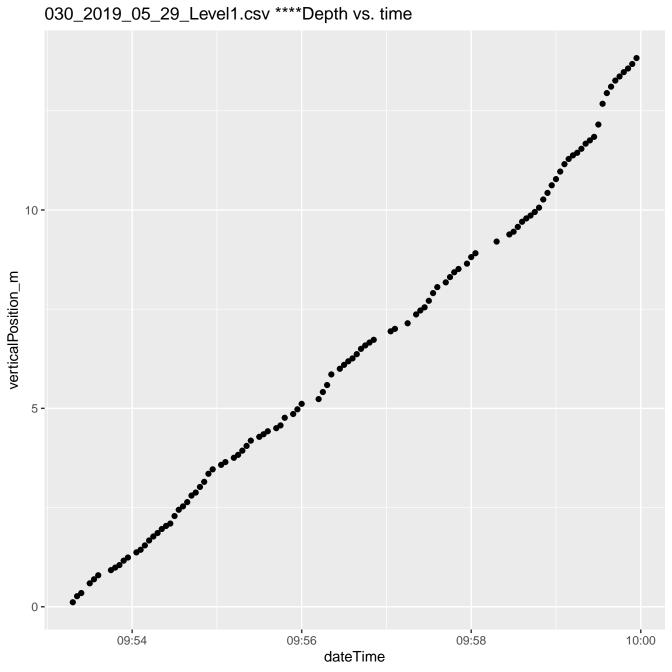
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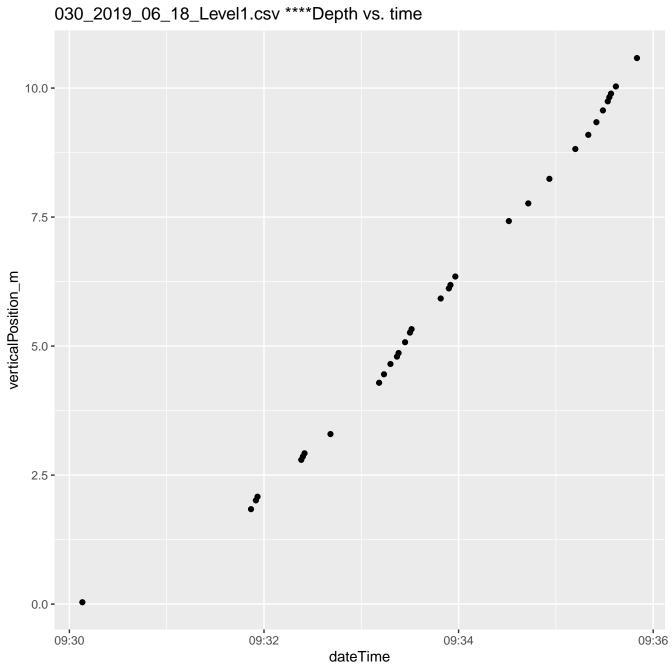




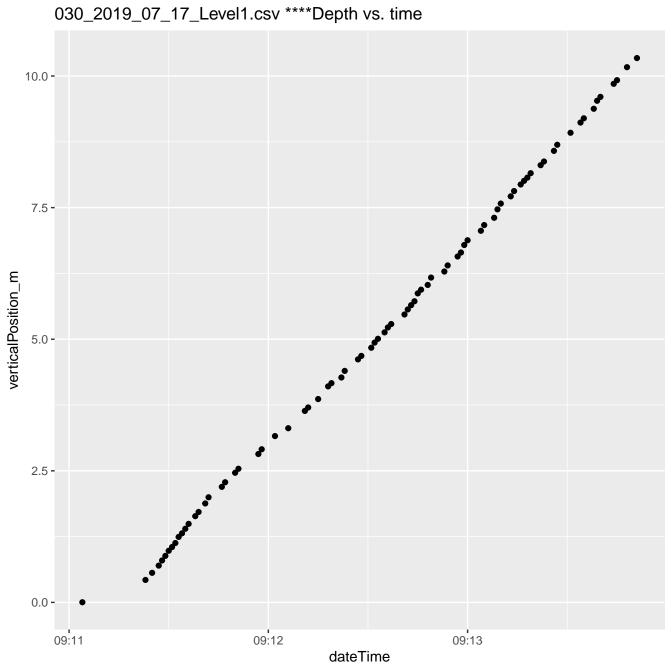




030_2019_05_29_Level1.csv ****bga jumps 0 -5 verticalPosition_m 10 -0.2 0.0 0.1 0.3 phycocyaninBGA_RFU 0.5 0.4

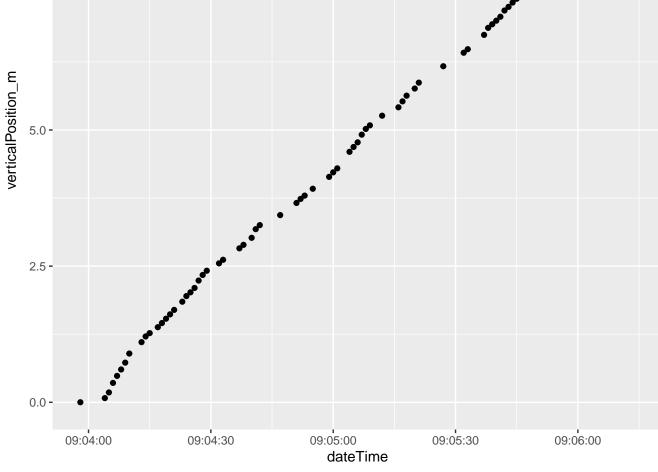


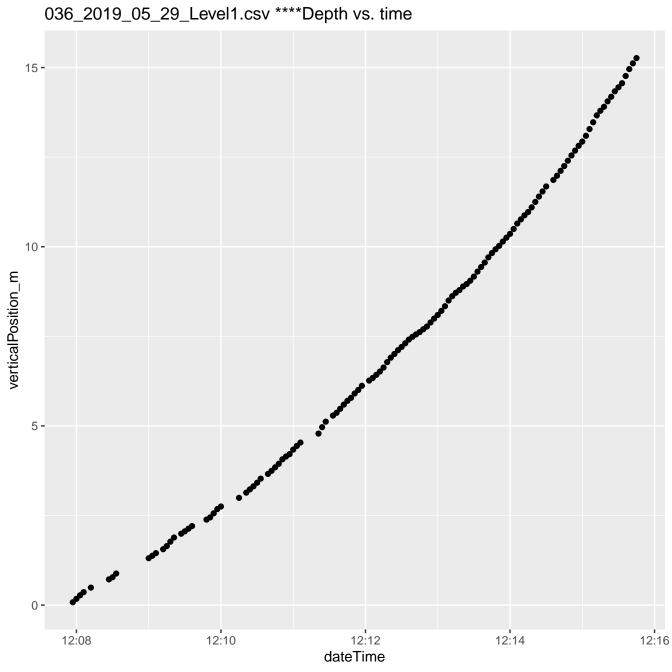
030_2019_06_18_Level1.csv ****Turbidity jumps 0.0 -2.5 -• verticalPosition_m 5.0 -7.5 **-**10.0 -5 0 15 10 turbidity_FNU

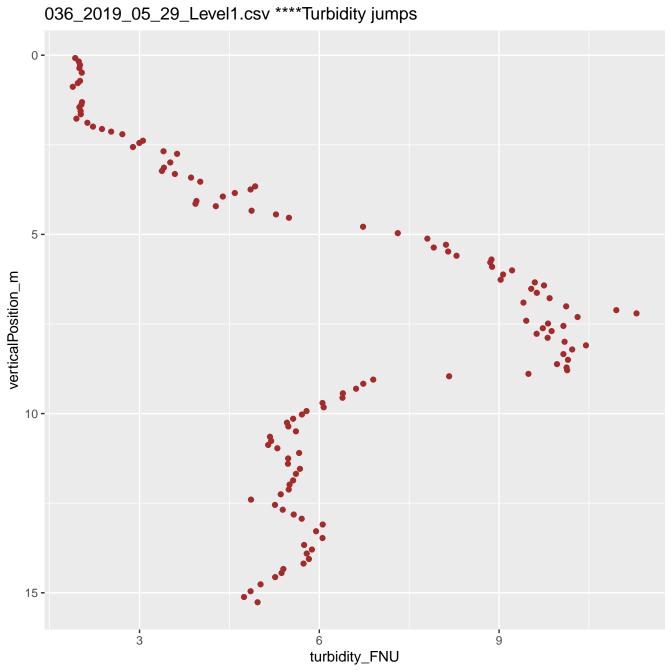


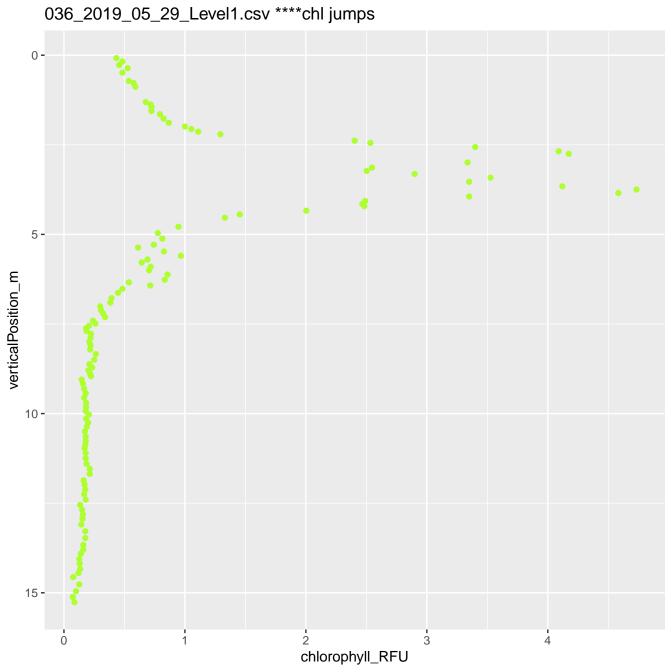
030_2019_07_17_Level1.csv ****Turbidity jumps 0.0 -2.5 verticalPosition_m 5.0 -7.5 -10.0 -10 15 20 turbidity_FNU

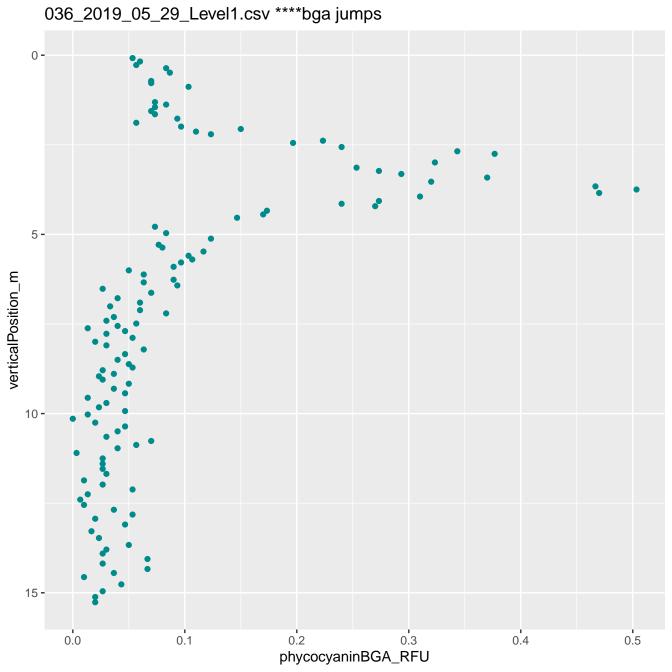
030_2019_08_08_Level1.csv ****Depth vs. time 10.0 -7.5 **-**

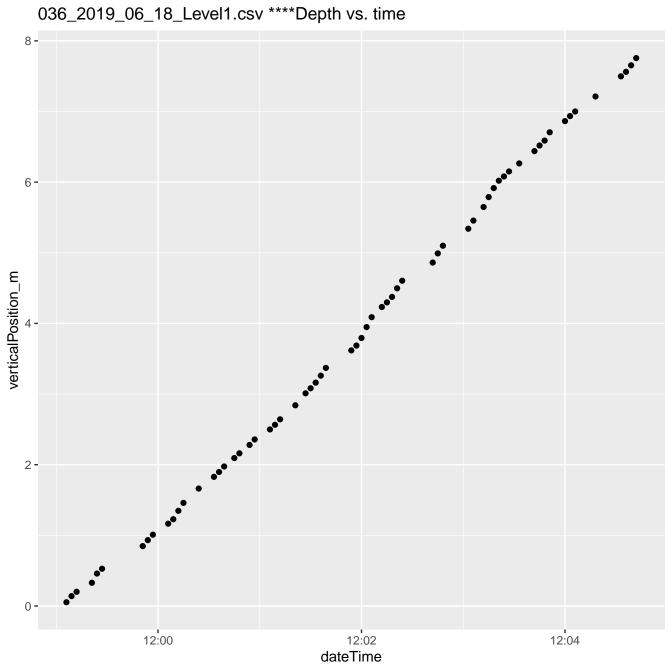


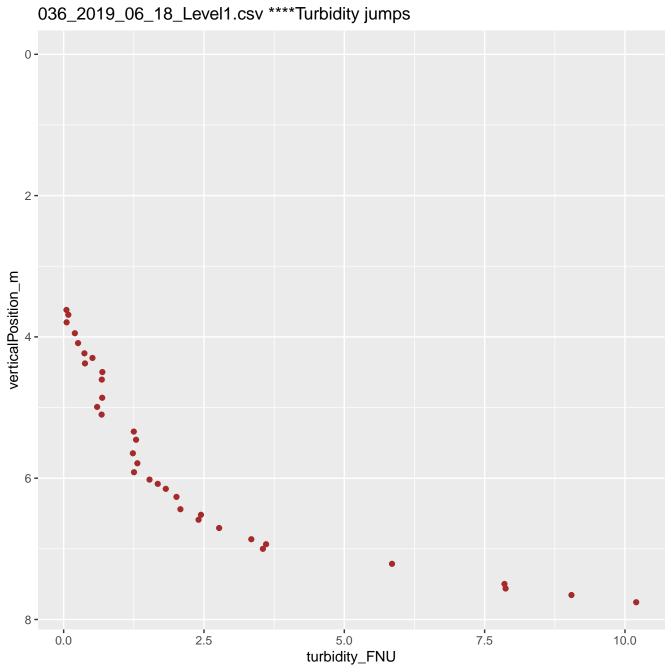


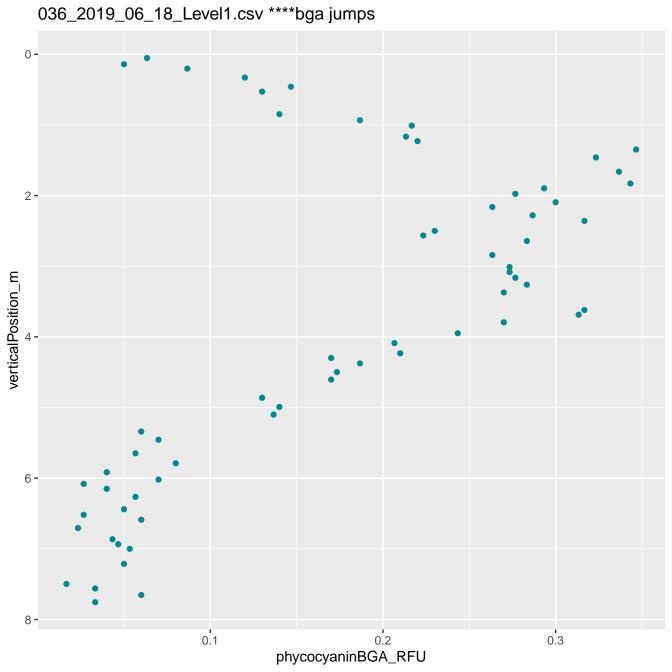


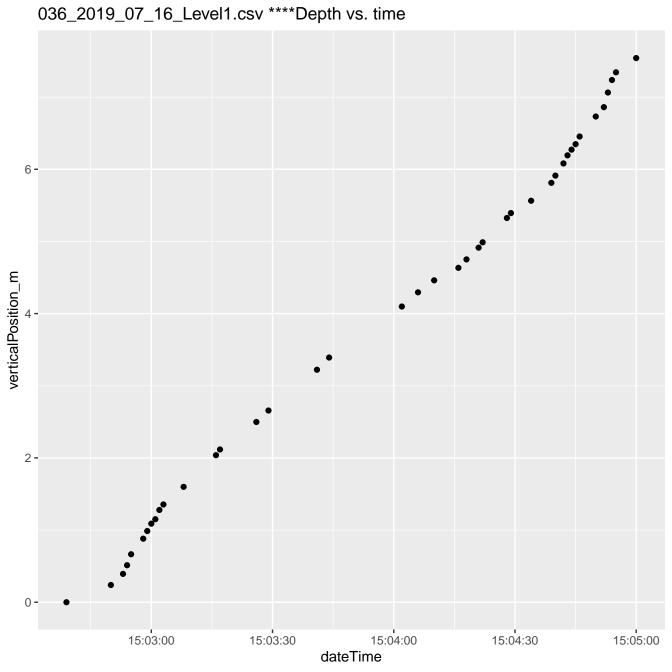


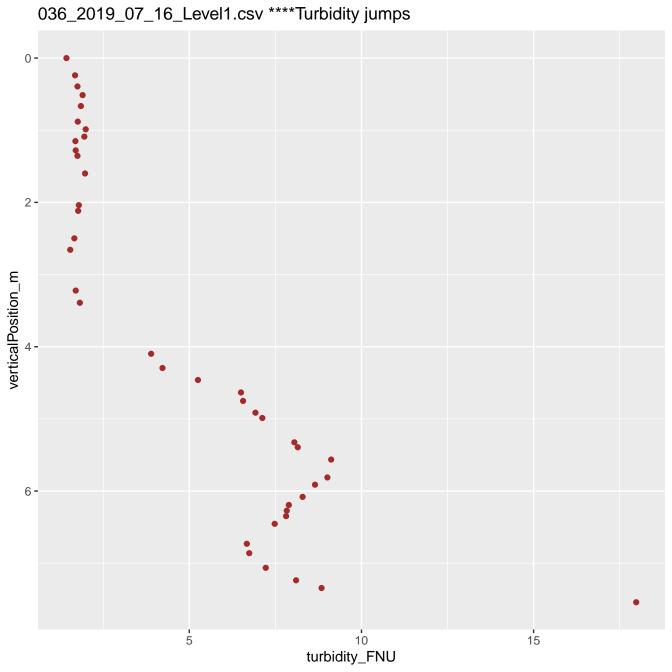


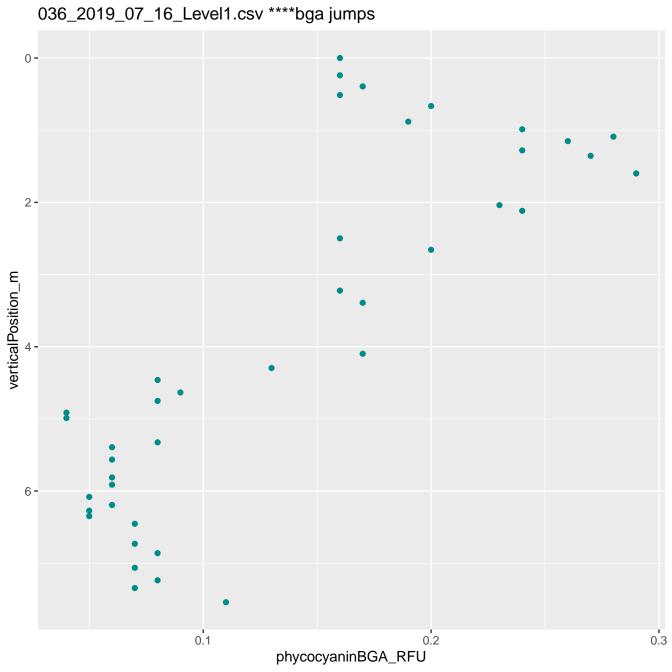


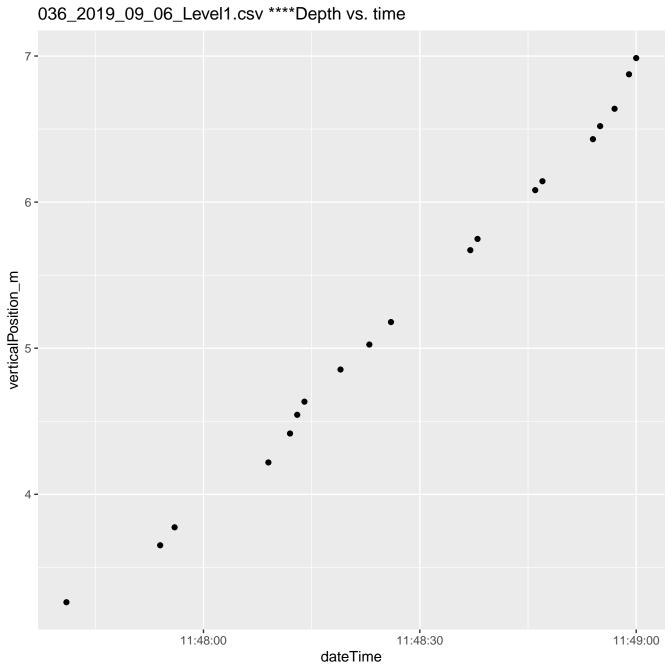


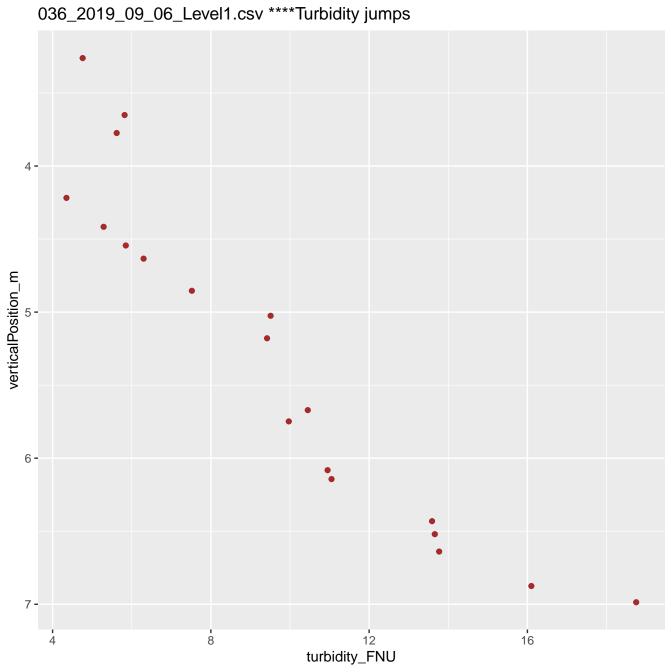


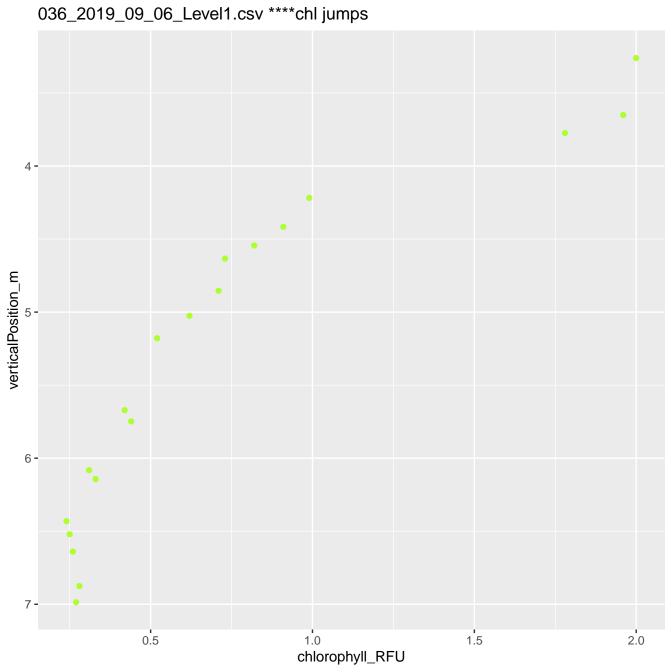


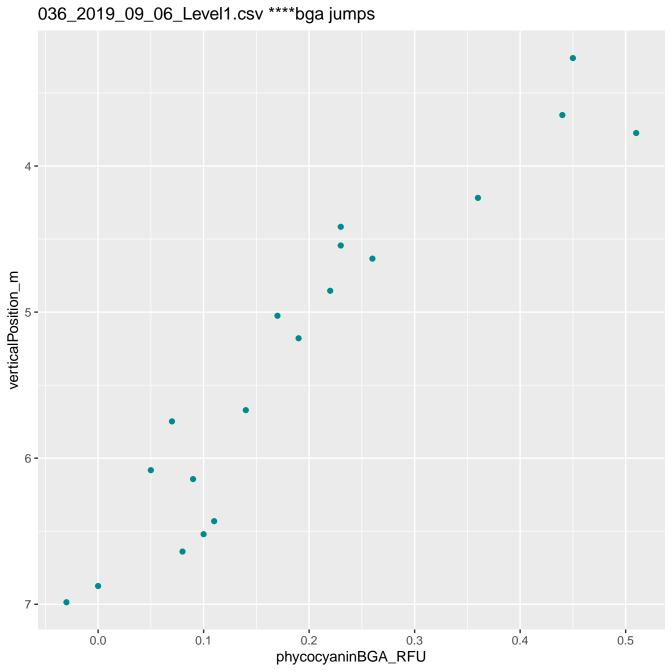




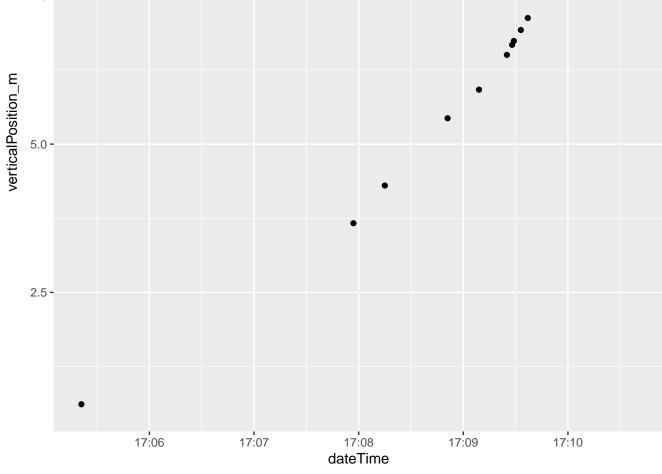


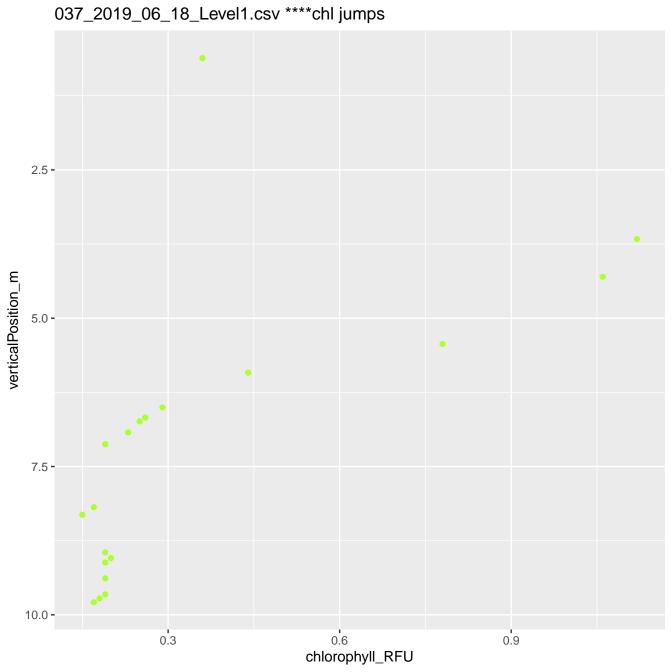


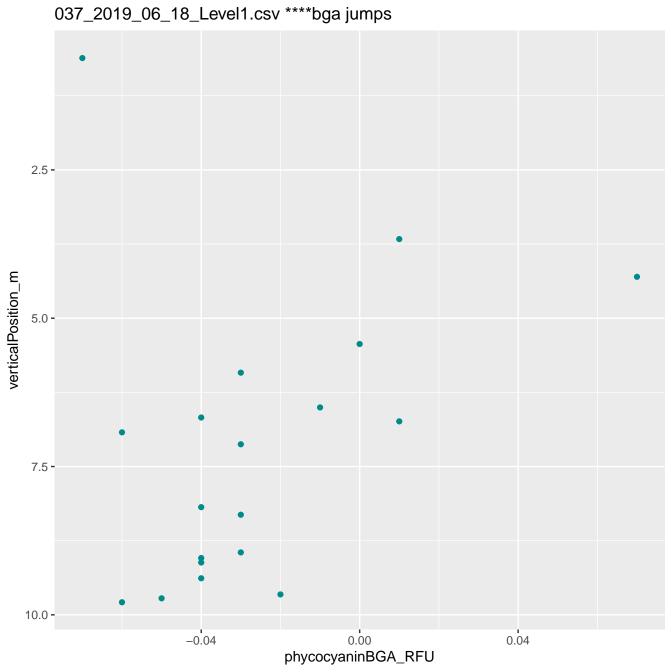


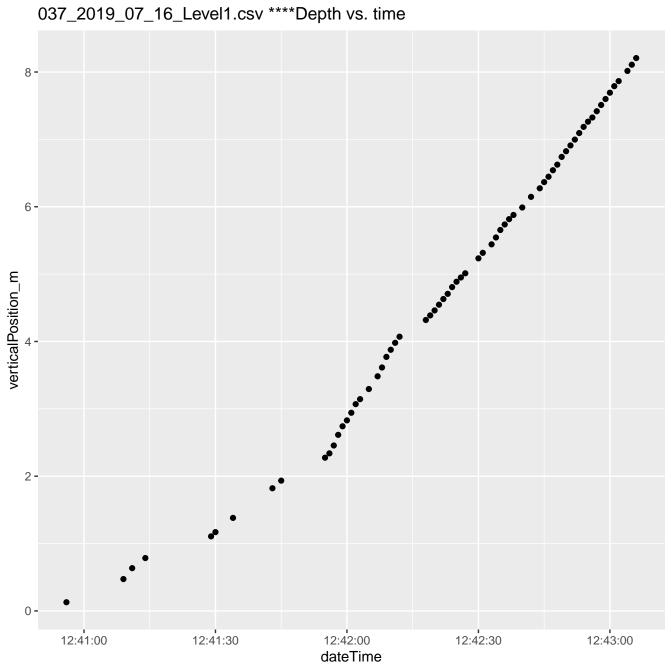


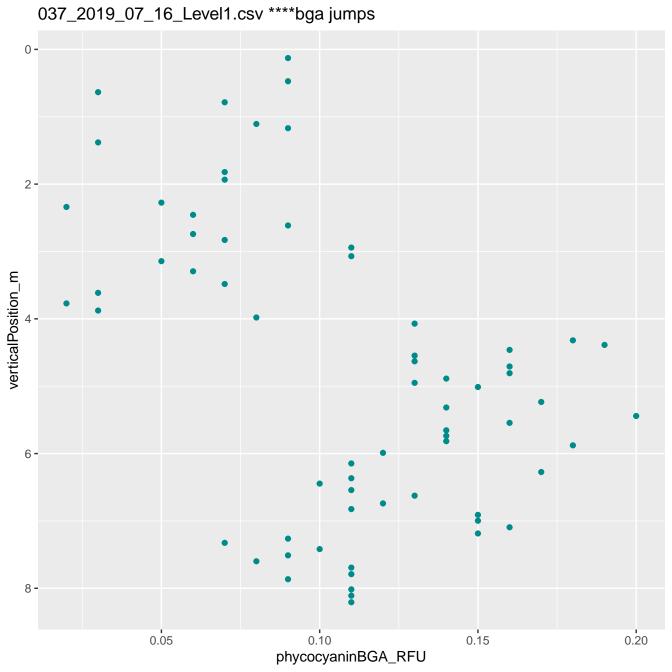
037_2019_06_18_Level1.csv ****Depth vs. time 10.0 -7.5 verticalPosition_m 5.0 **-**





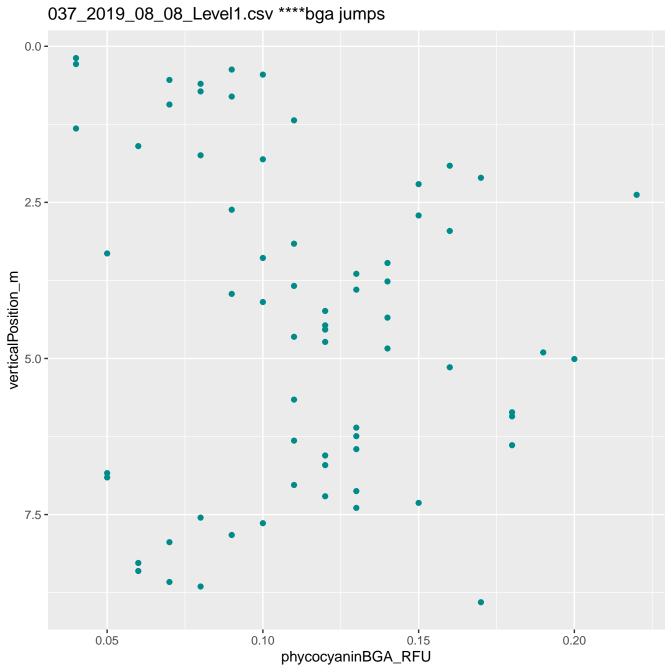




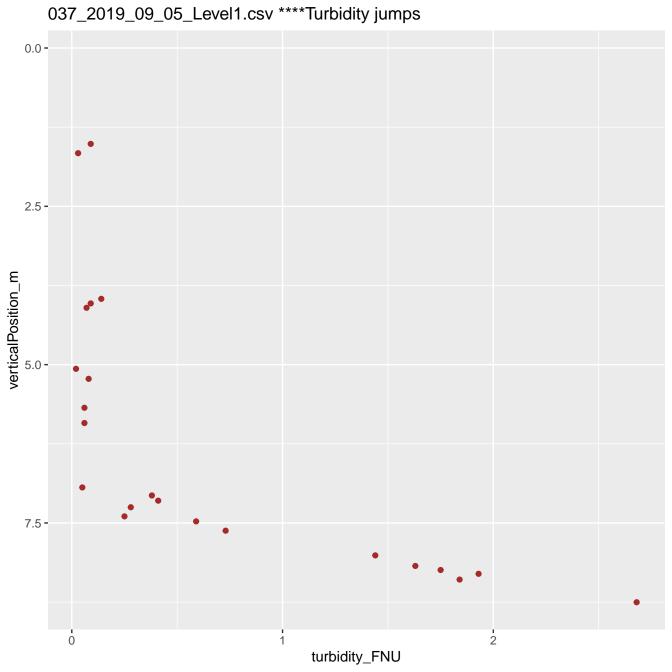


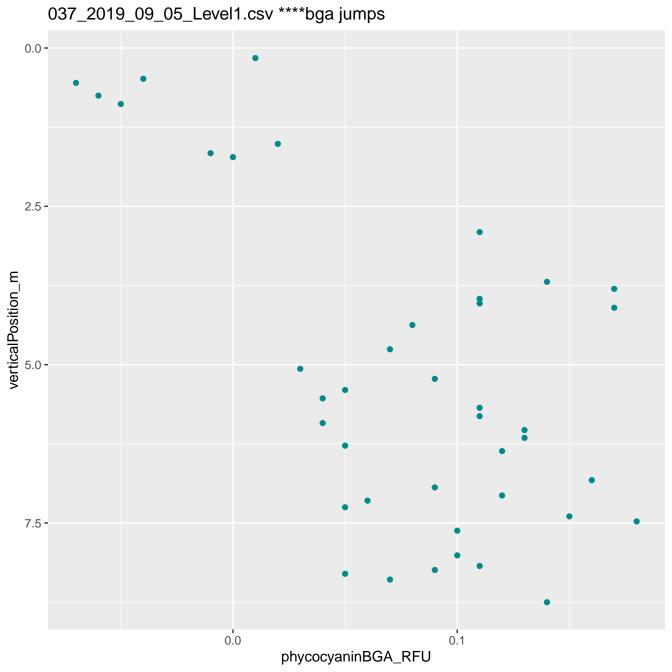
037_2019_08_08_Level1.csv ****Depth vs. time 7.5 verticalPosition_m 2.5 -0.0 -12:14:00 12:14:30 12:15:00 12:13:30

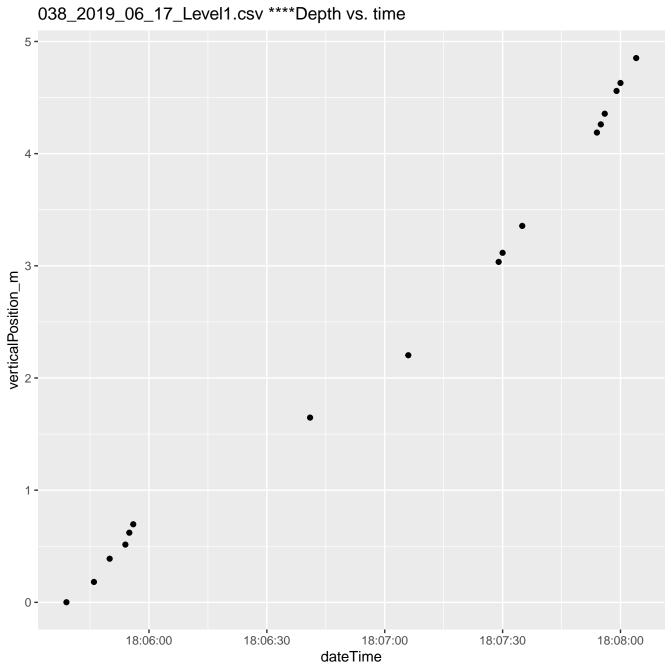
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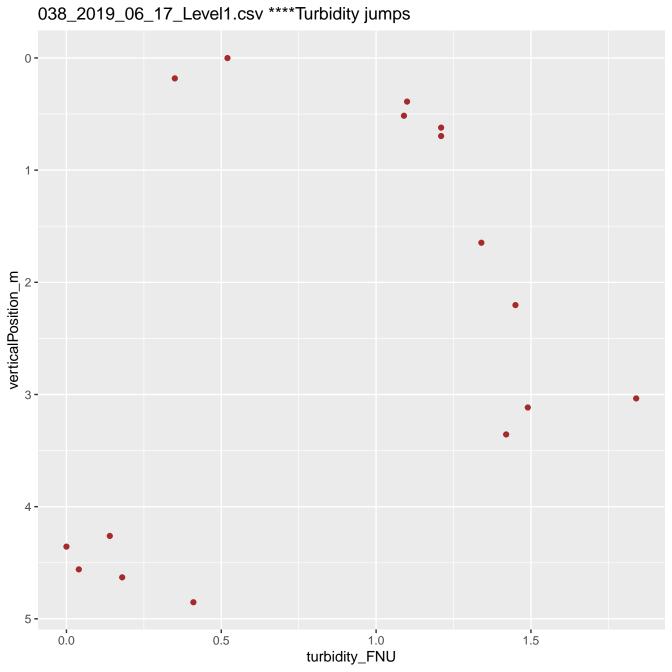


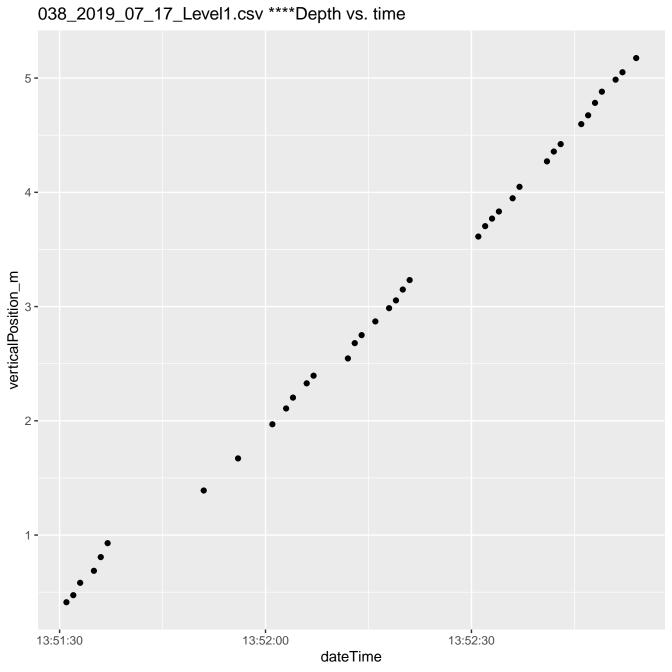
037_2019_09_05_Level1.csv ****Depth vs. time 7.5 verticalPosition_m 2.5 -0.0 -13:37 13:39 13:38 13:41 13:40 dateTime

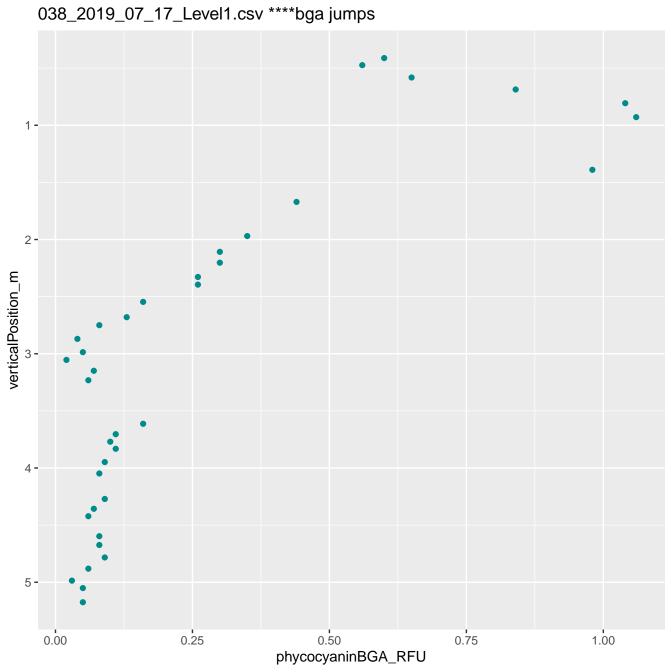


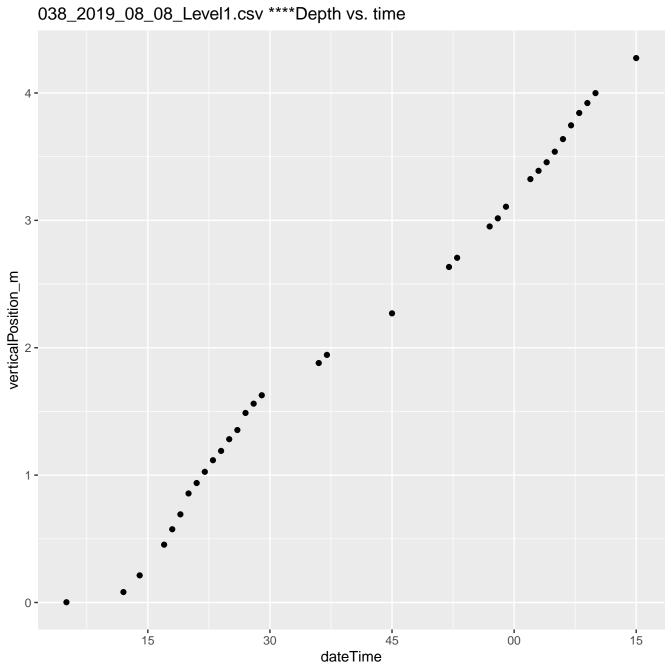


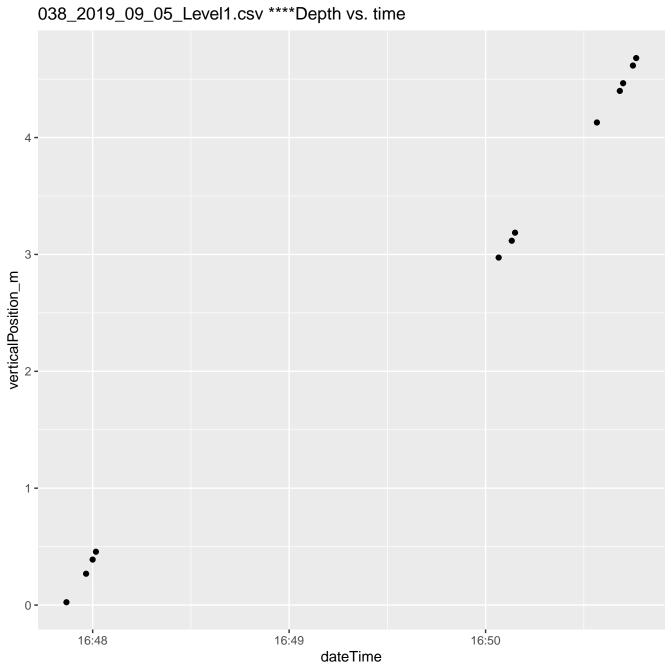


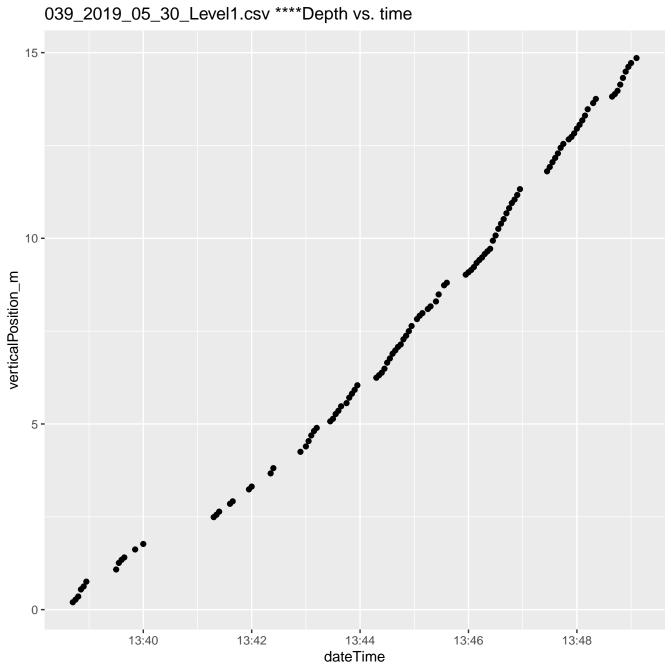


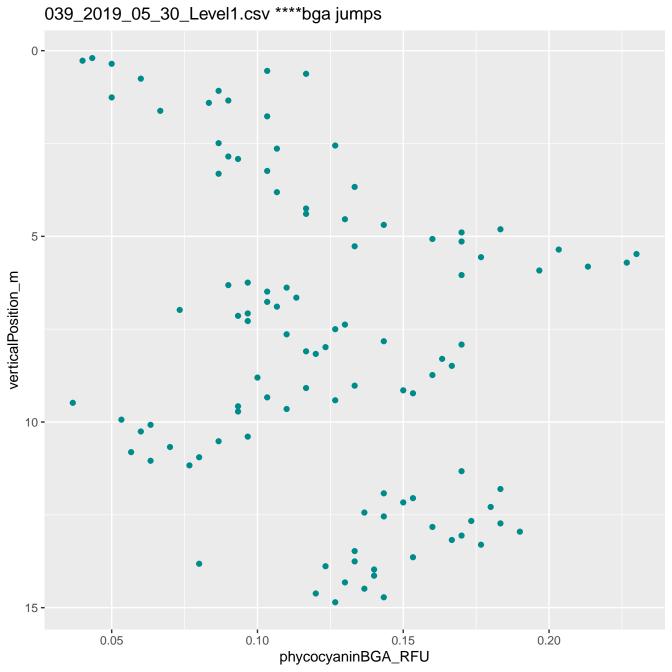


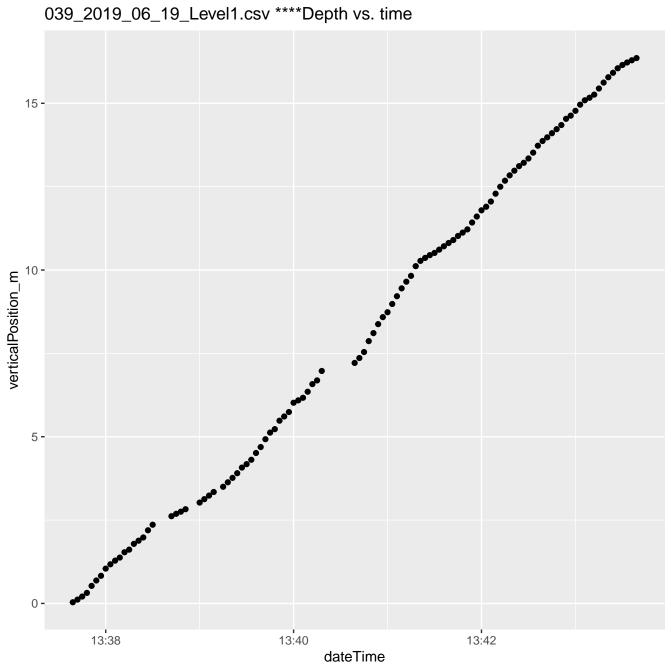


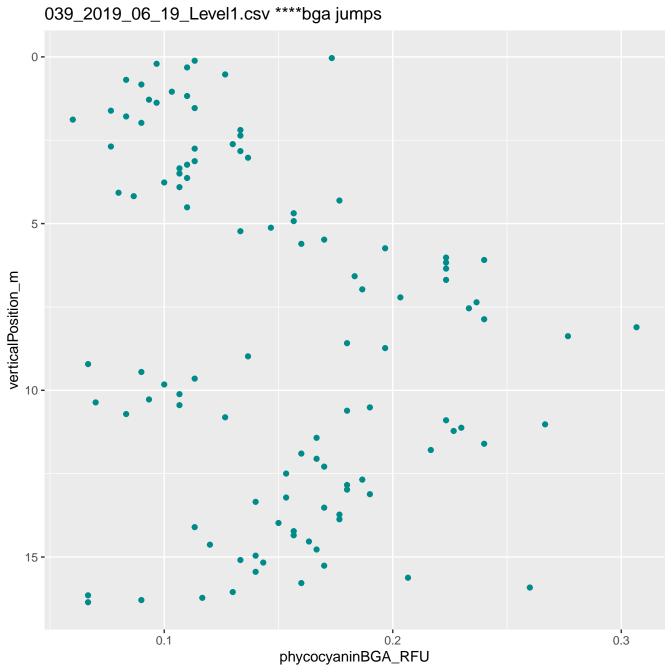


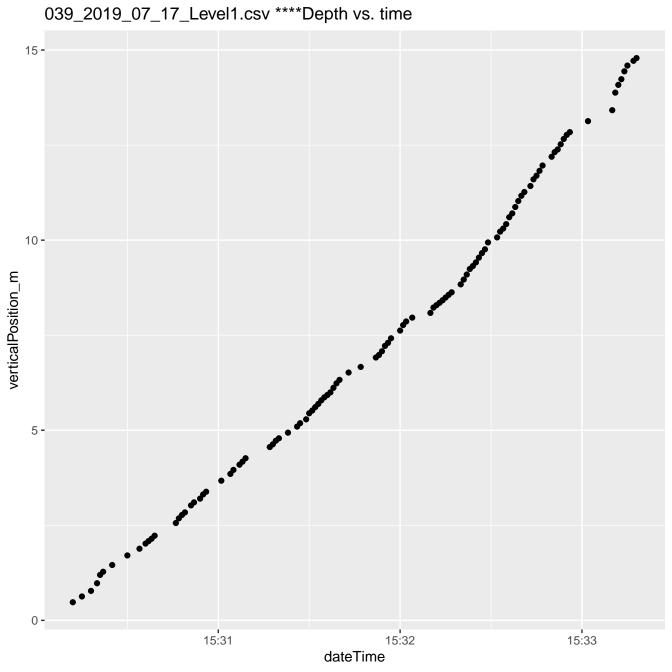








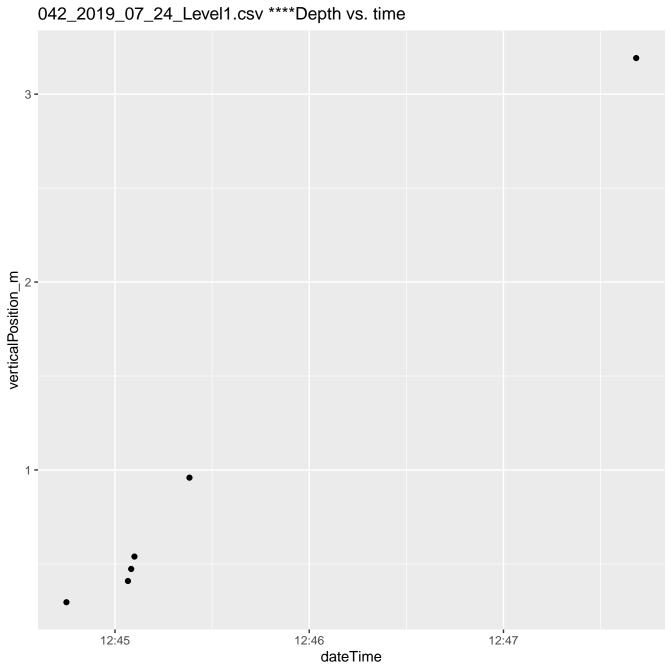




039_2019_07_17_Level1.csv ****Turbidity jumps 5 verticalPosition_m 10 -15 -0 2 3 turbidity_FNU

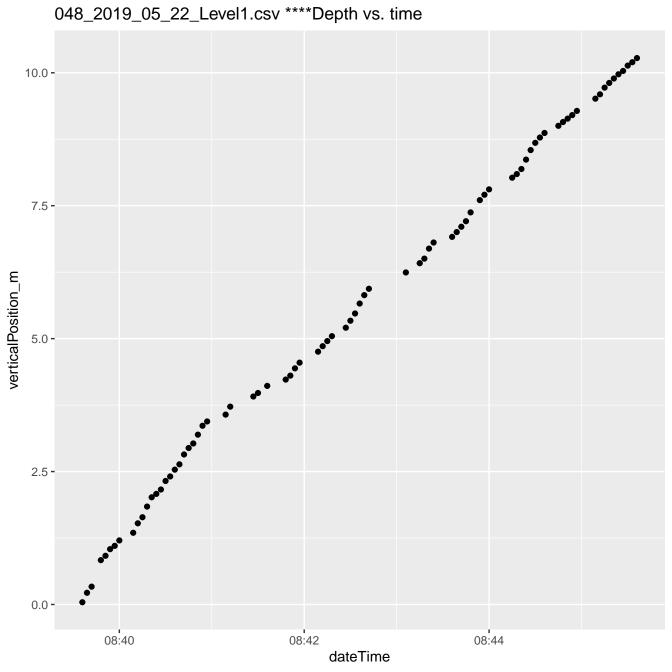
039_2019_07_17_Level1.csv ****chl jumps 0 -5 verticalPosition_m 10 -15 **-**0.0 0.5 1.0 1.5 2.0 chlorophyll_RFU

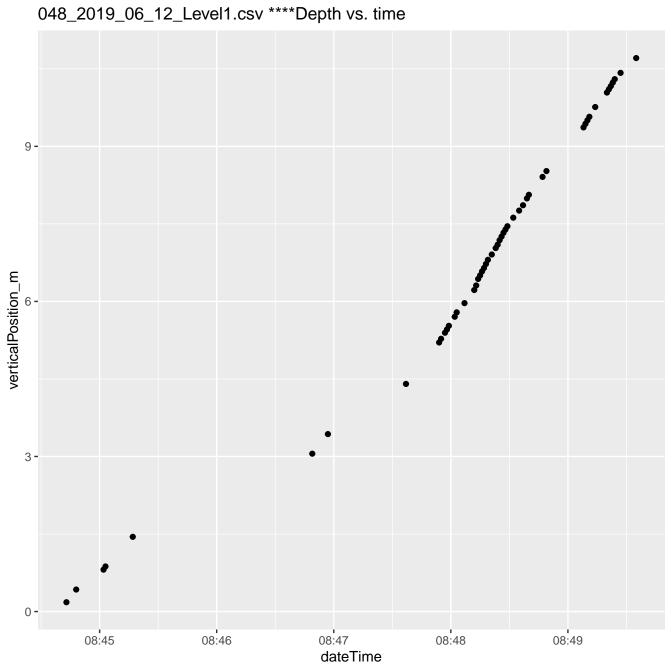
039_2019_07_17_Level1.csv ****bga jumps 0 -5 verticalPosition_m 10 -15 **-**-0.05 -0.10 0.00 phycocyaninBGA_RFU 0.10 0.05

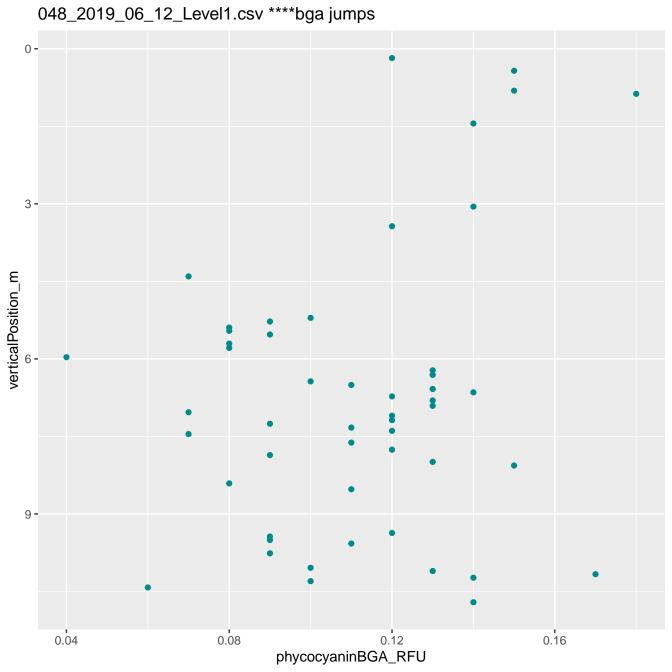


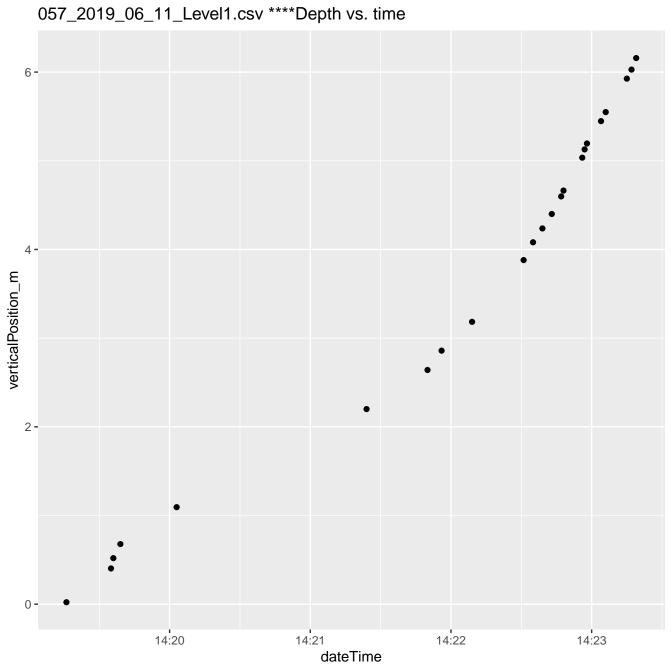


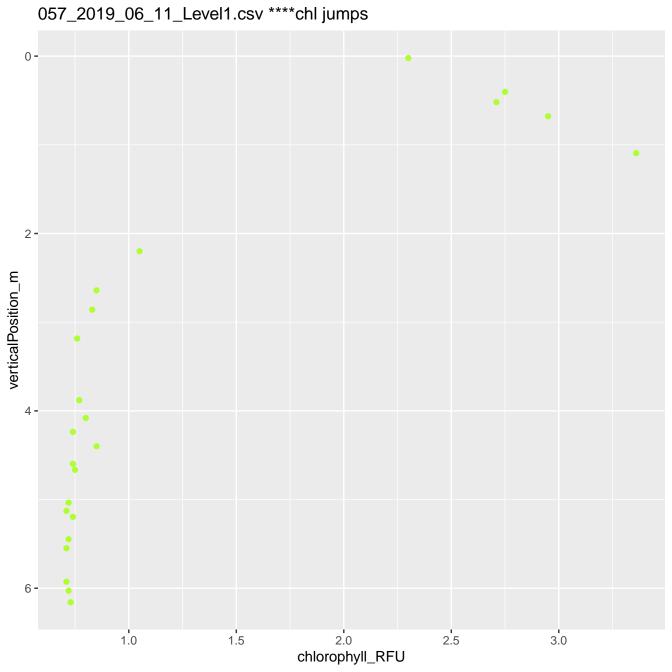


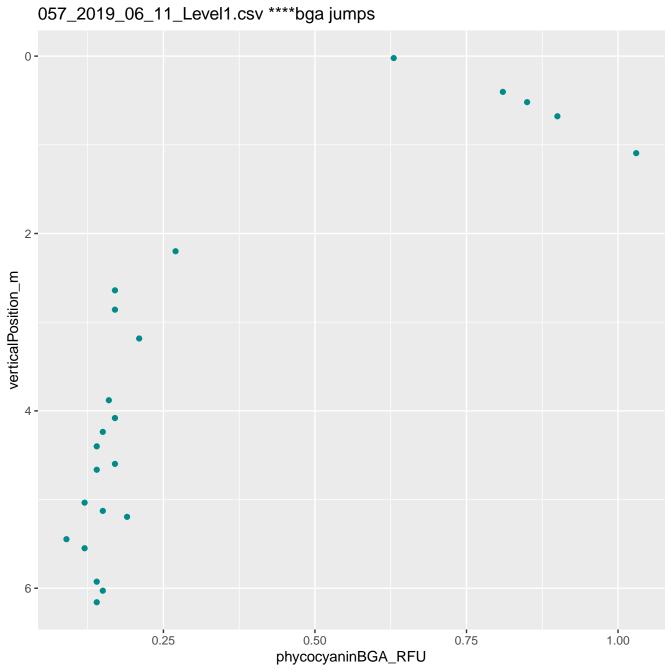


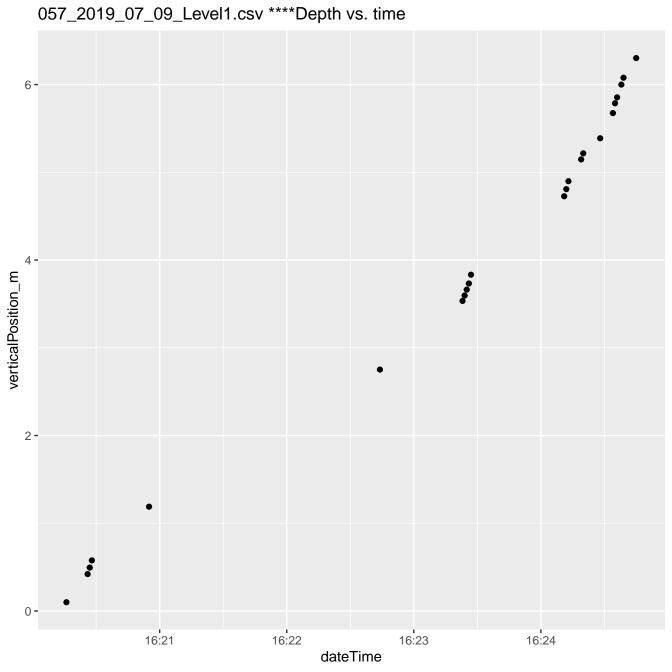


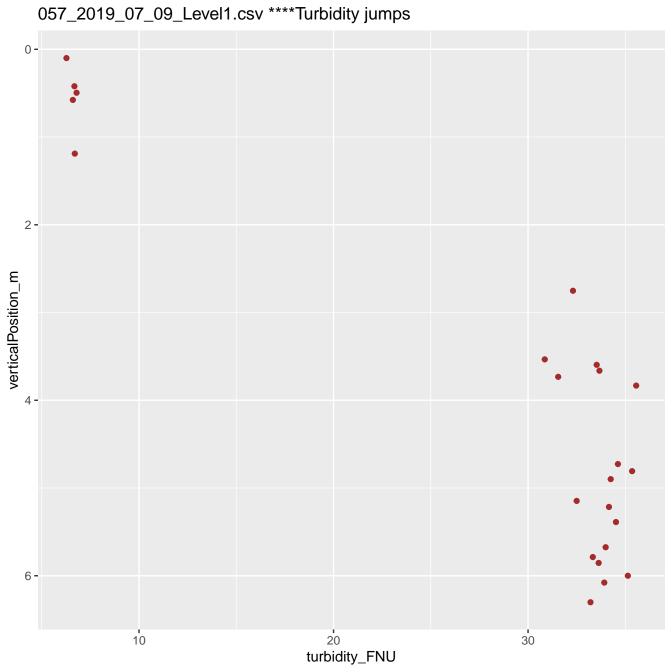


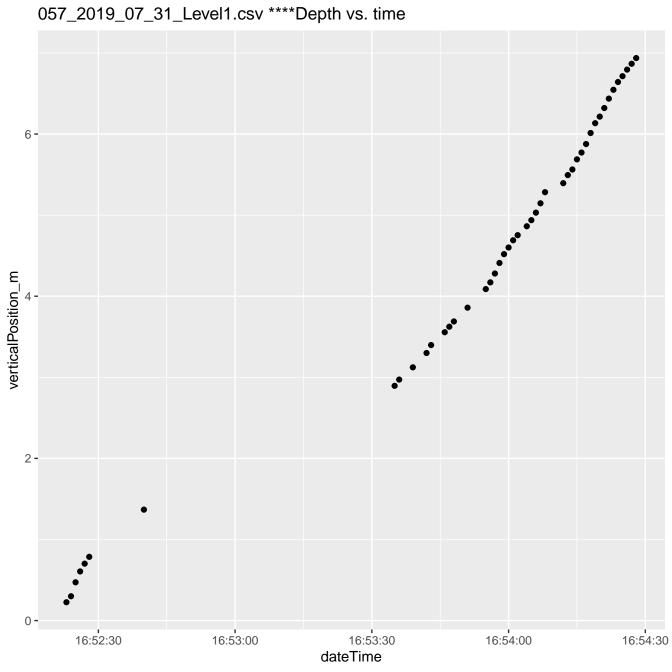


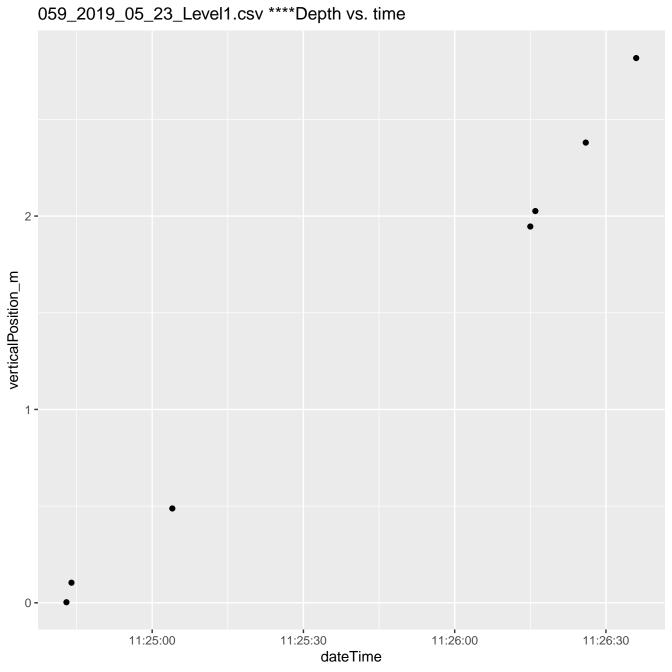


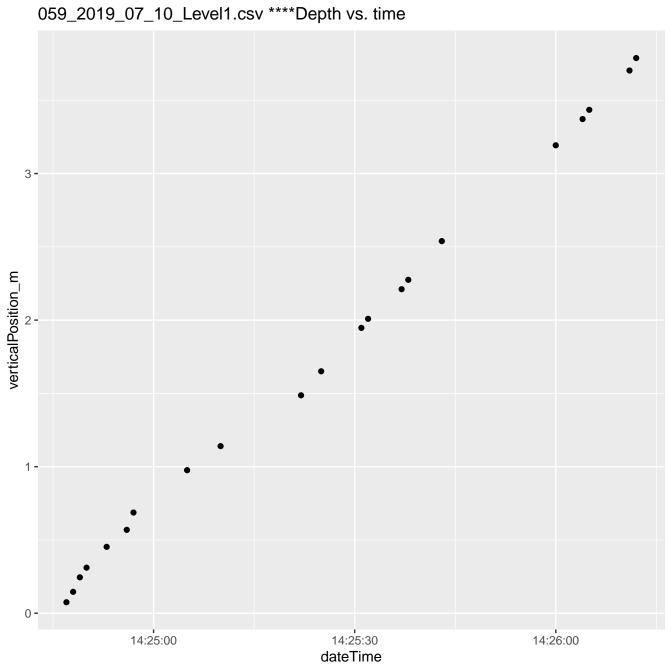


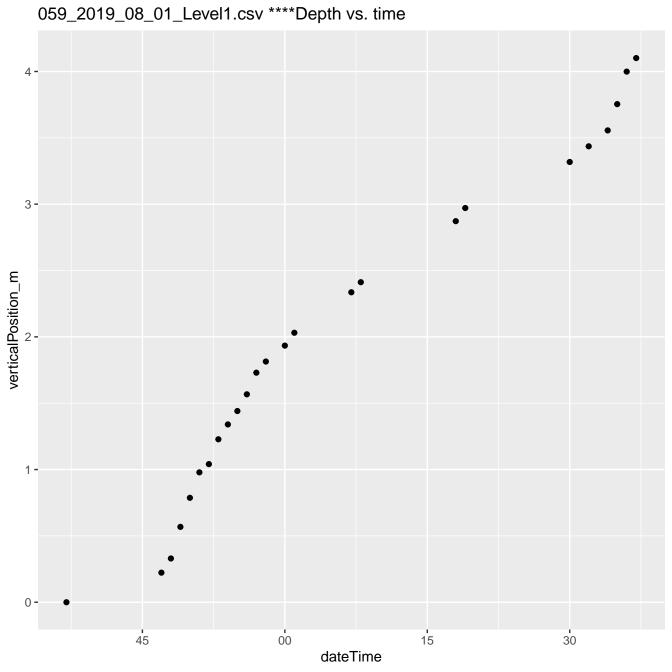


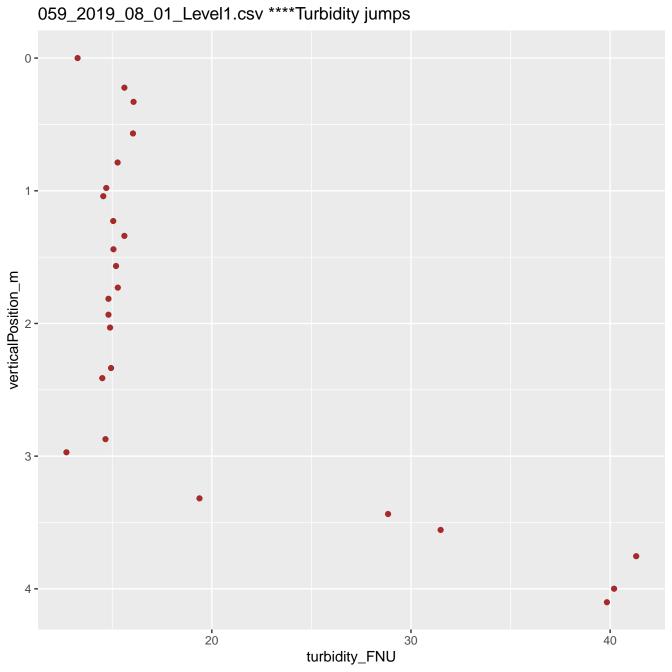


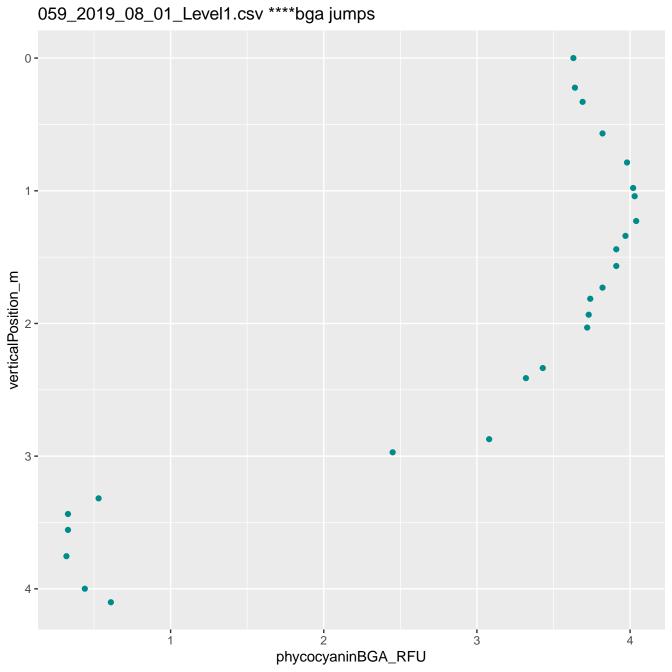


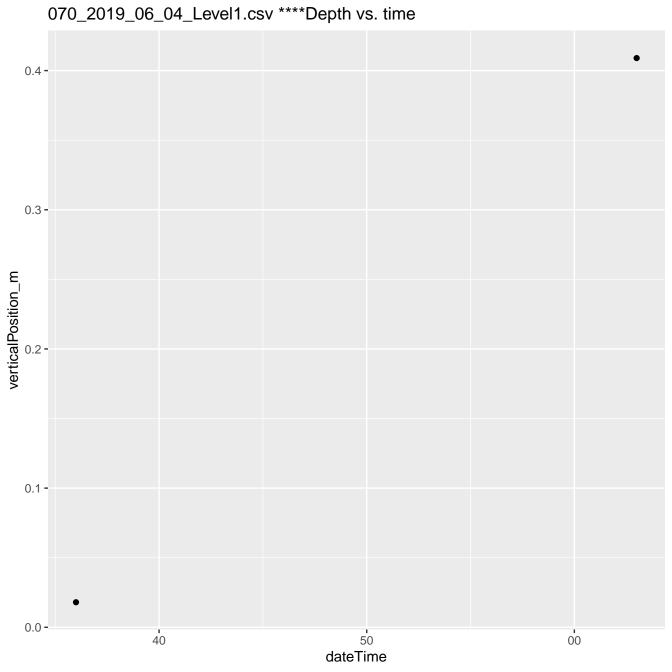


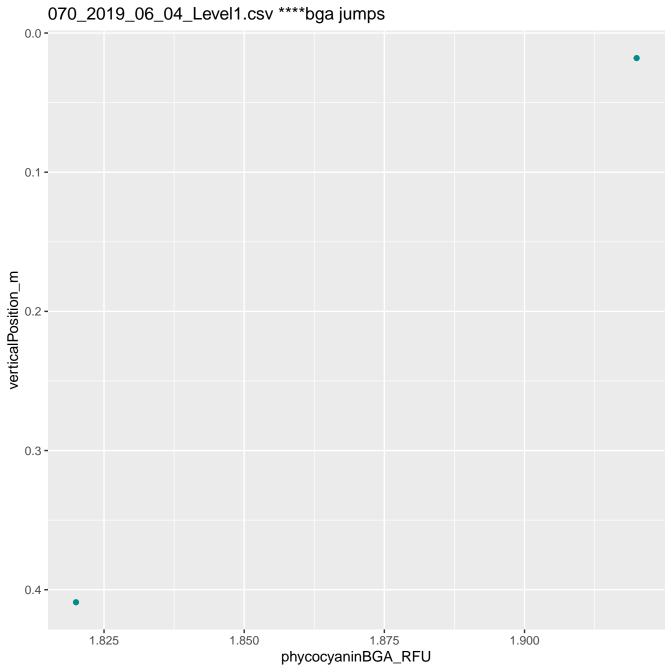


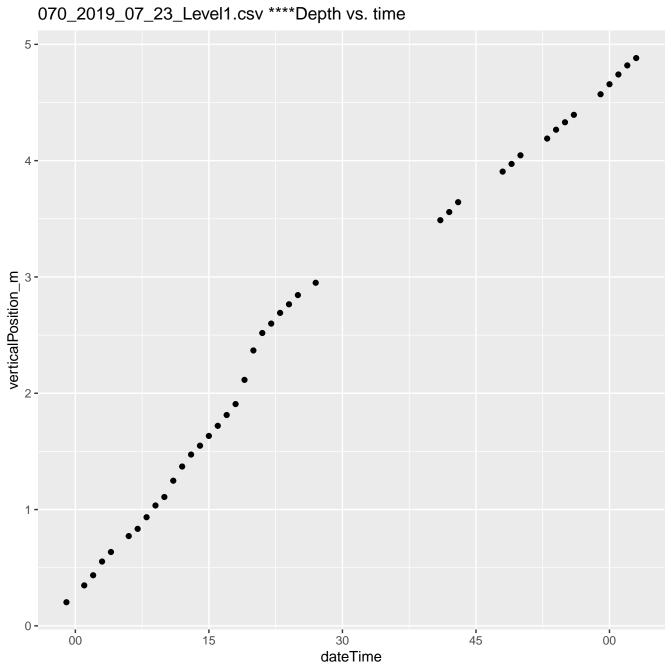


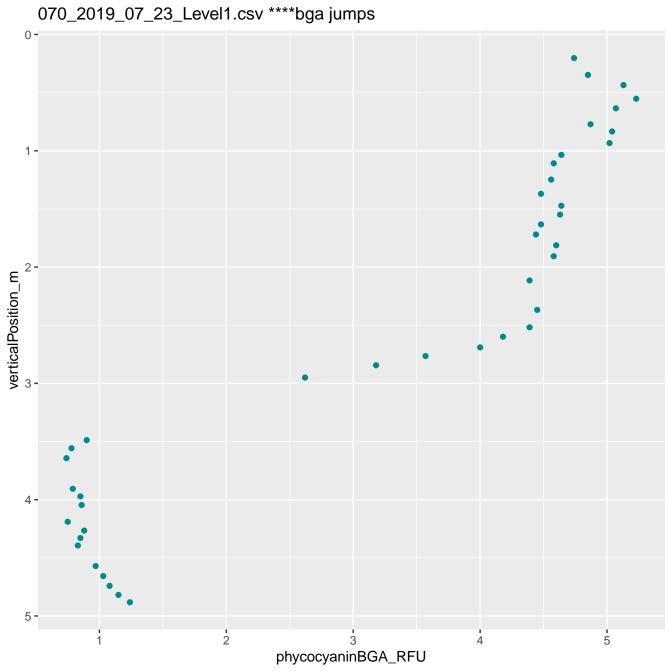


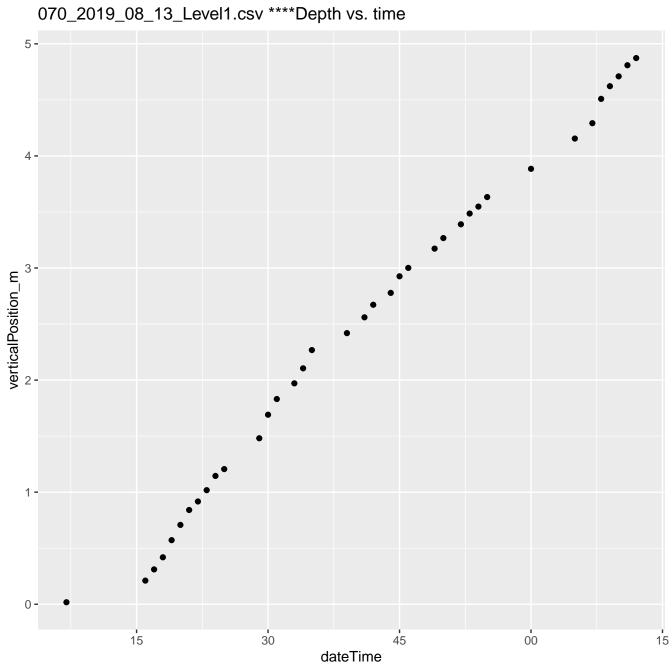


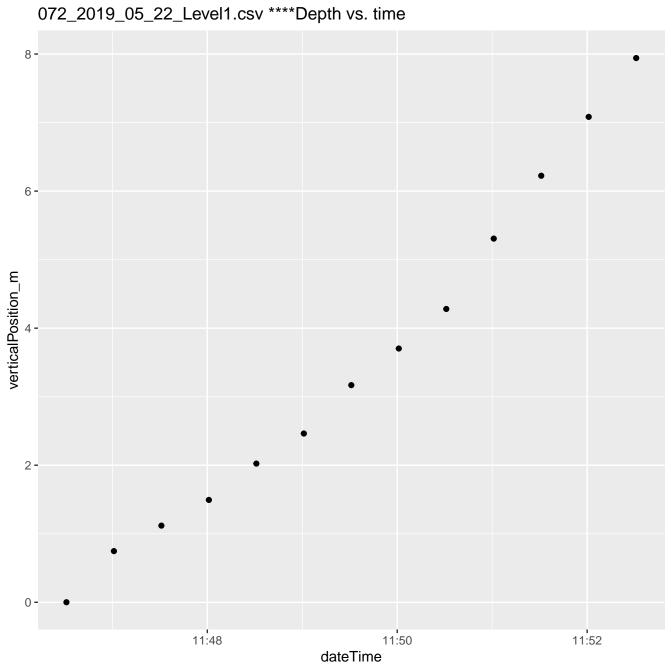


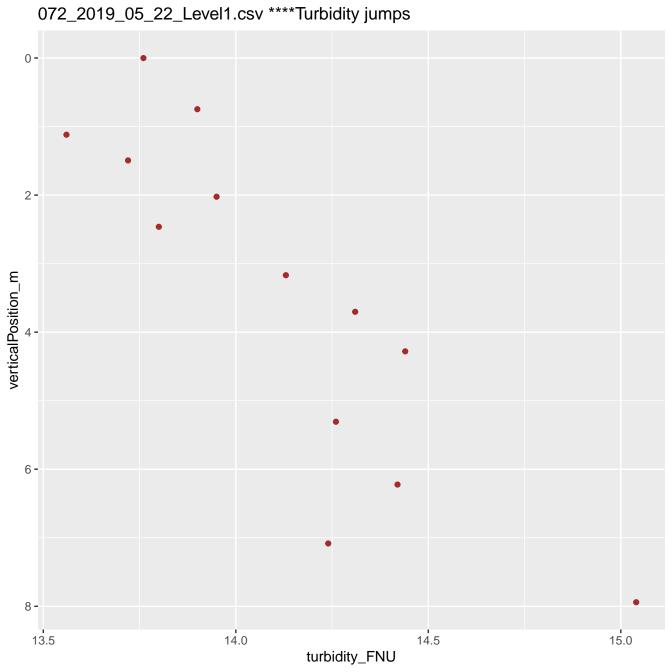




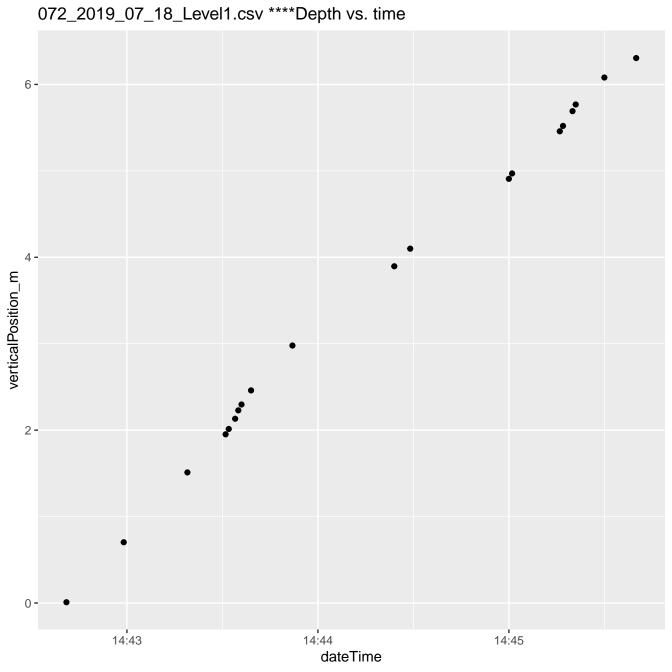


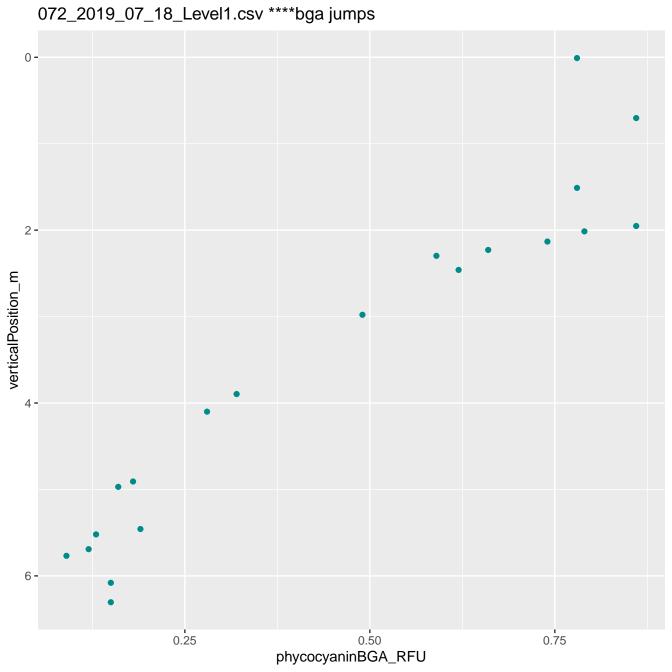


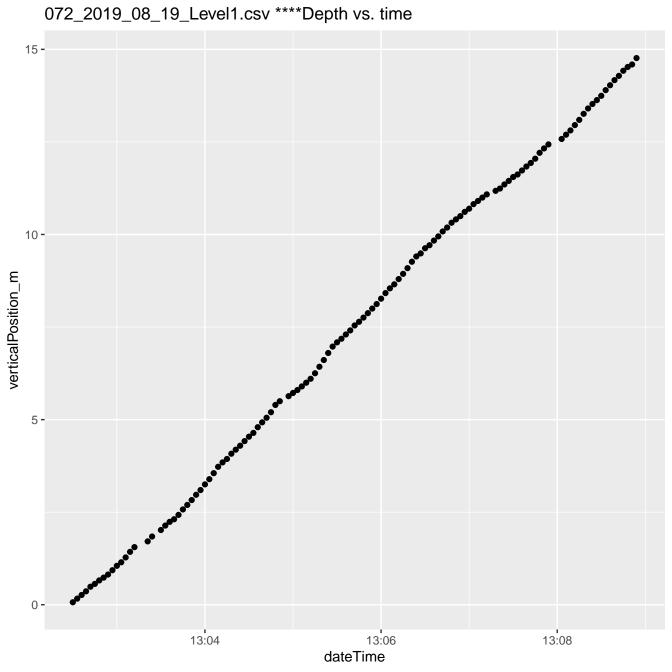


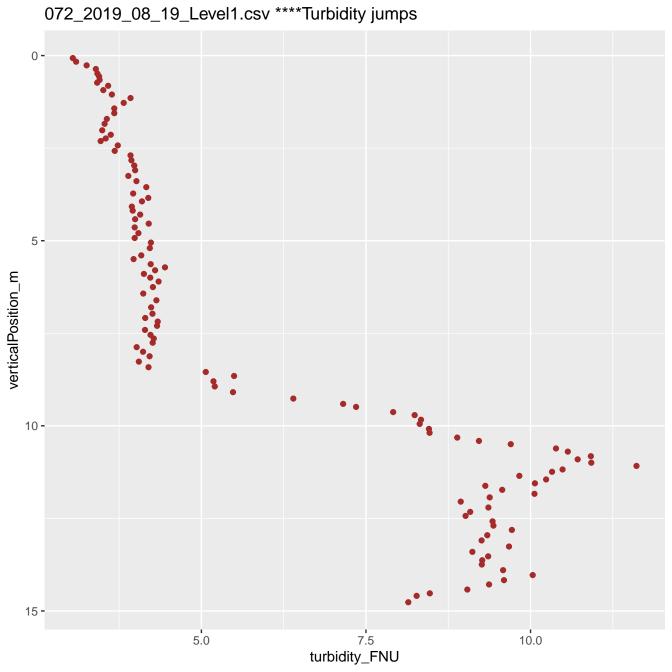


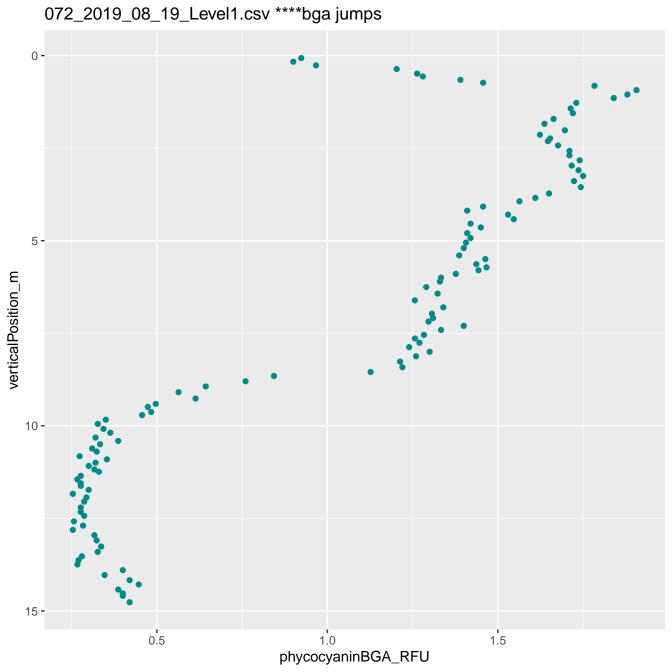
072_2019_06_10_Level1.csv ****Depth vs. time 15 -10 verticalPosition_m 5 -0 -11:30 11:32 11:34 11:28 dateTime

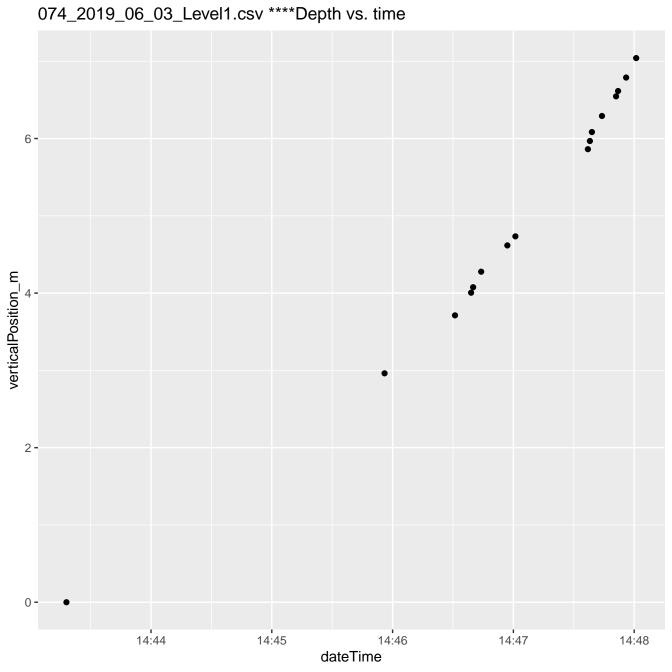


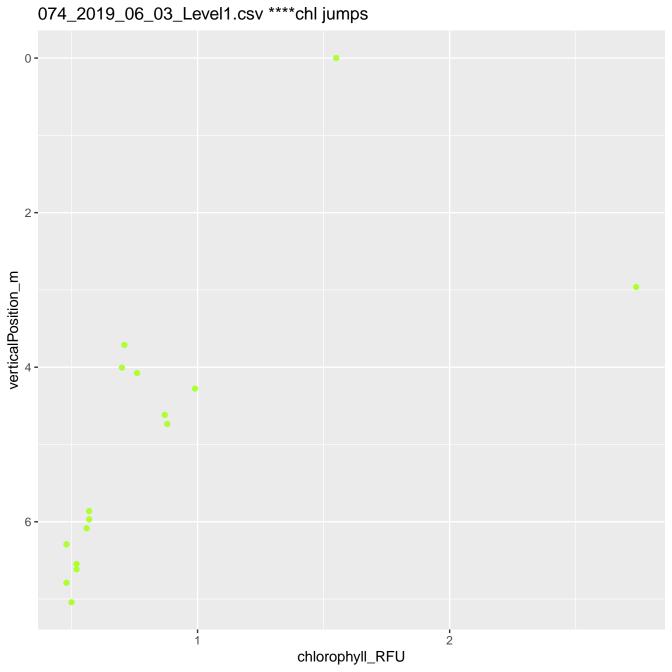


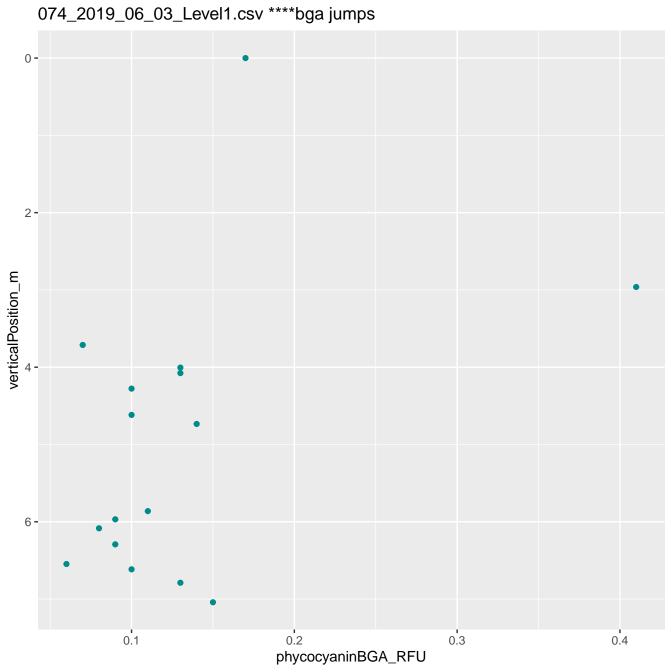


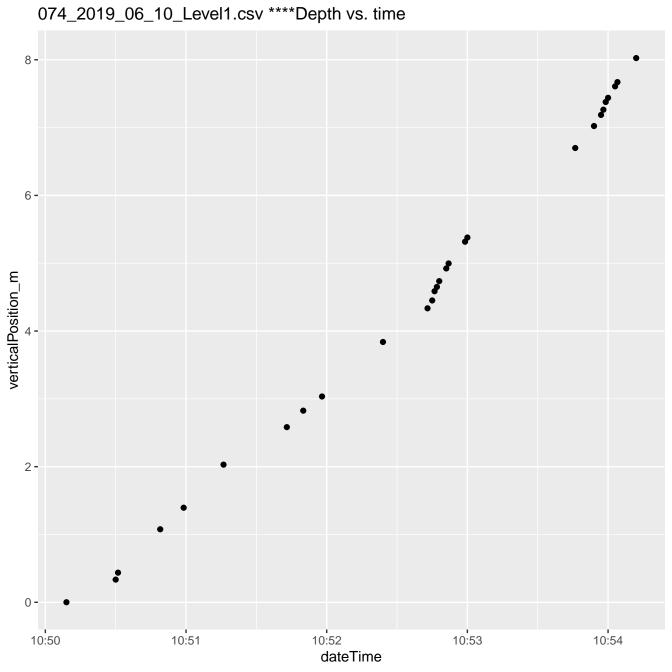


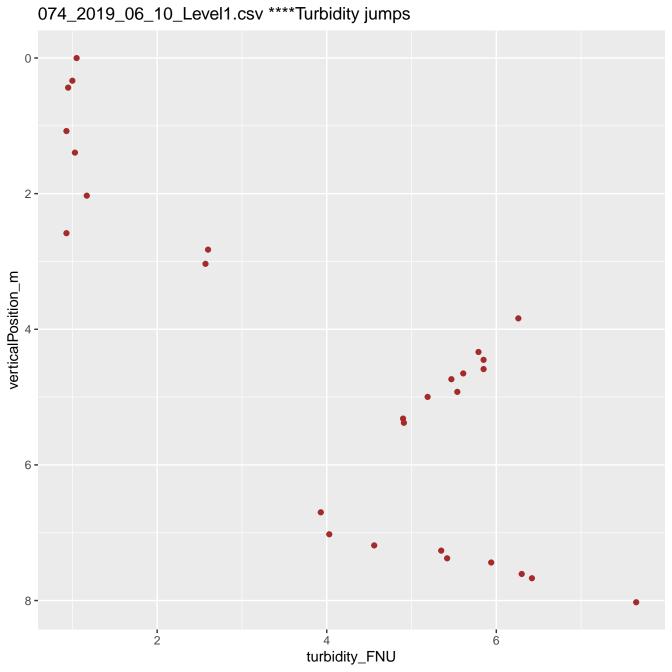


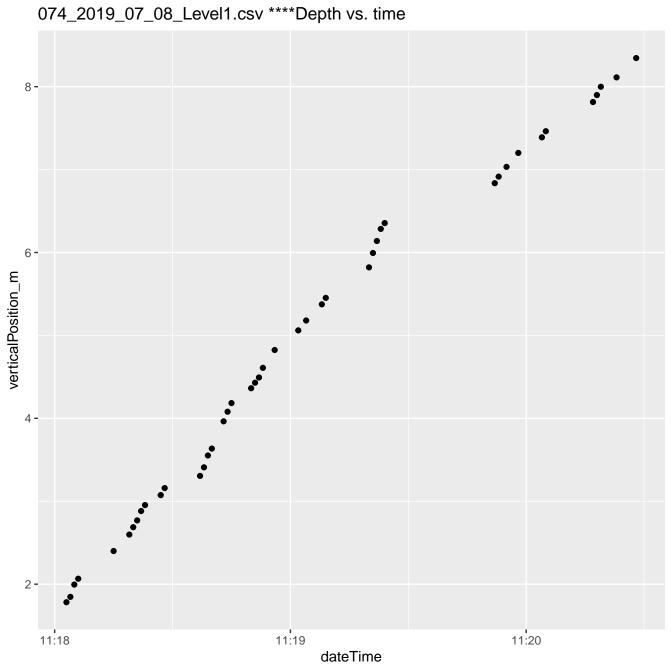




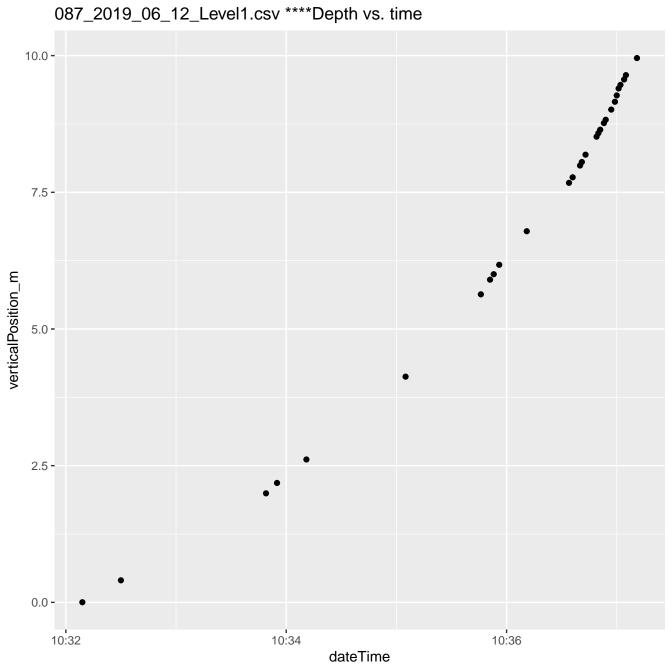






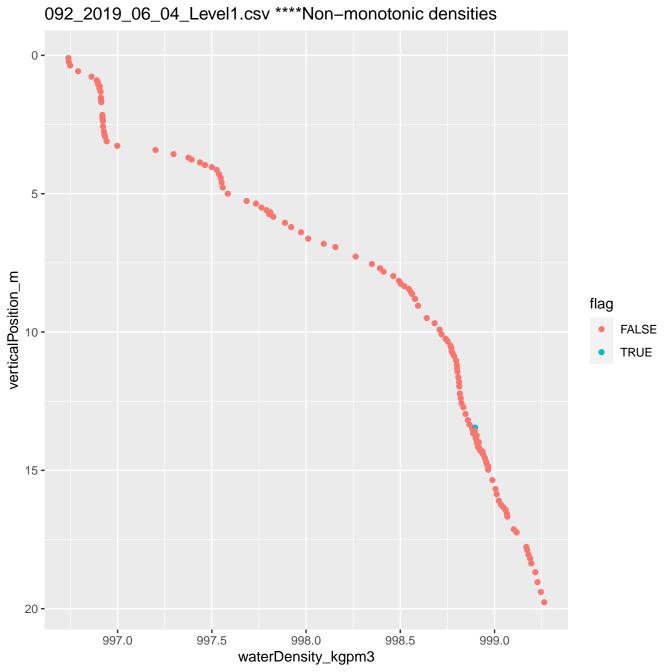


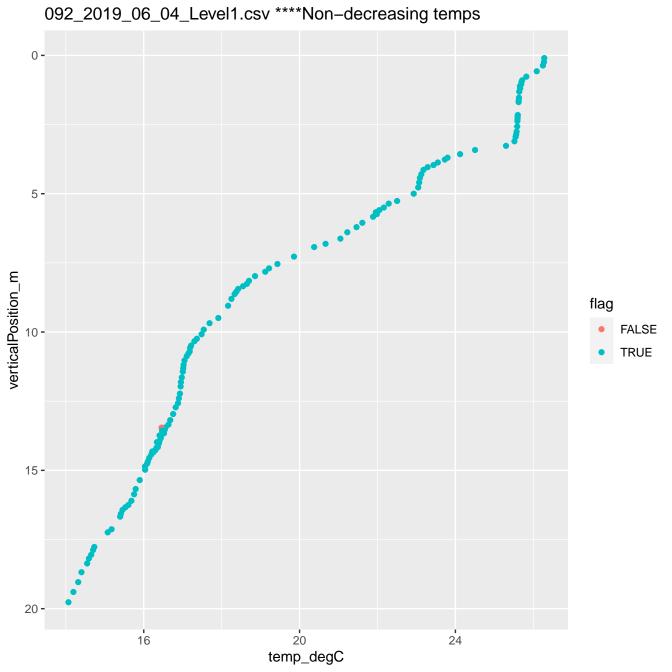
087_2019_05_23_Level1.csv ****Depth vs. time 10.0 -7.5 verticalPosition_m 5.0 -2.5 -0.0 -09:20 09:22 09:24 09:26 dateTime

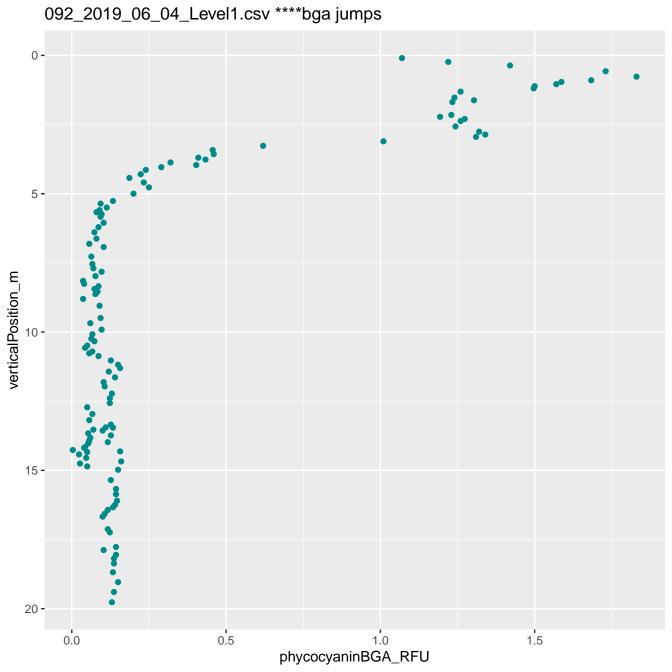


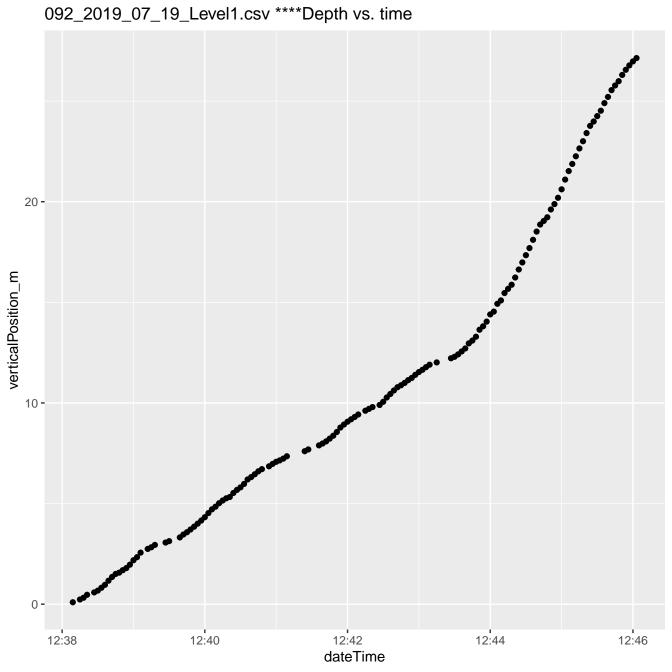
087_2019_06_12_Level1.csv ****bga jumps 0.0 -2.5 verticalPosition_m 5.0 -7.5 -10.0 -0.25 0.00 0.50 0.75 phycocyaninBGA_RFU

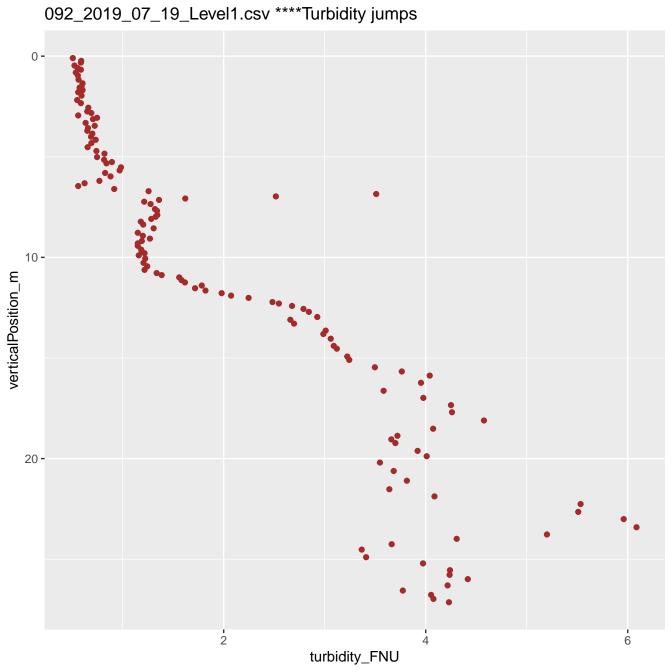
092_2019_06_04_Level1.csv ****Depth vs. time 20 -15 verticalPosition_m 5 -0 -15:38 15:40 15:36 15:42 15:44 dateTime

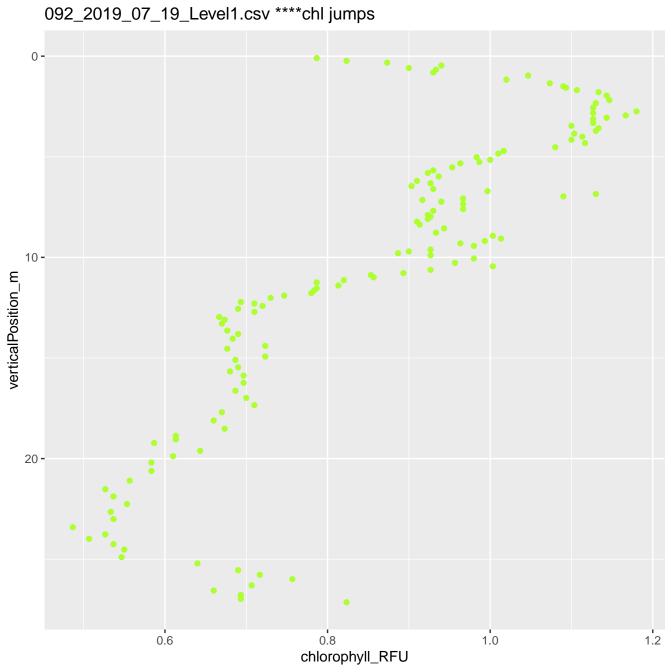


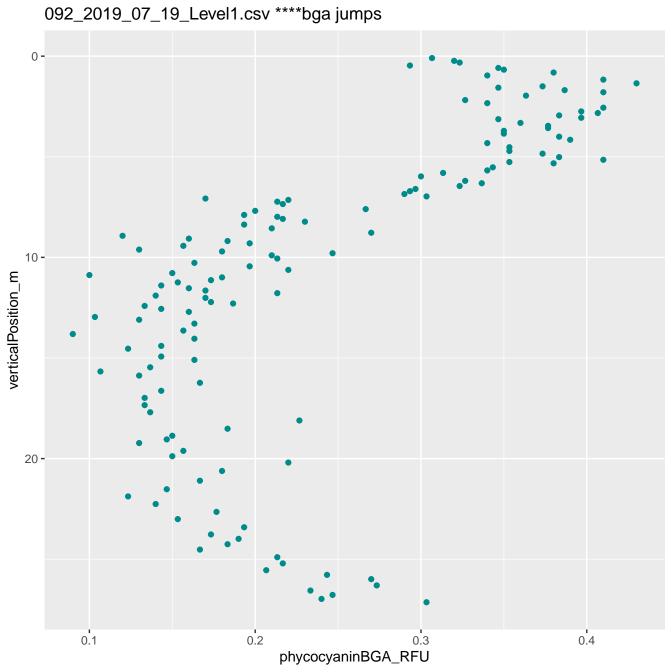


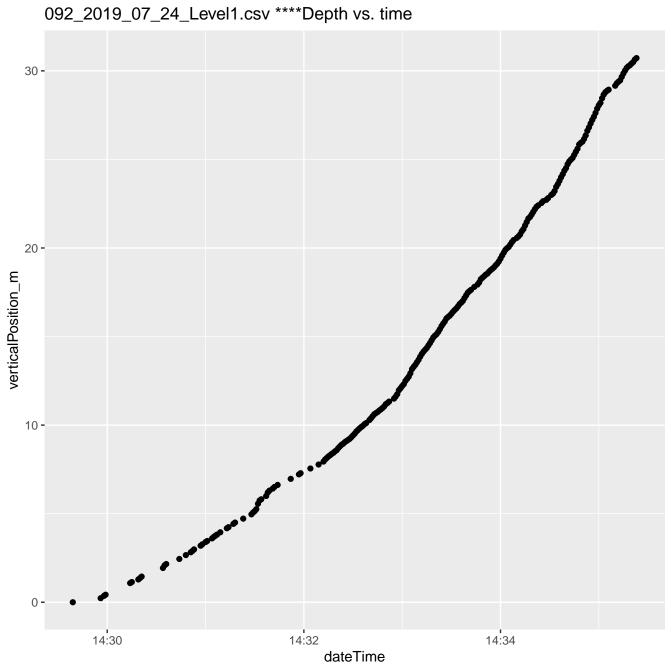


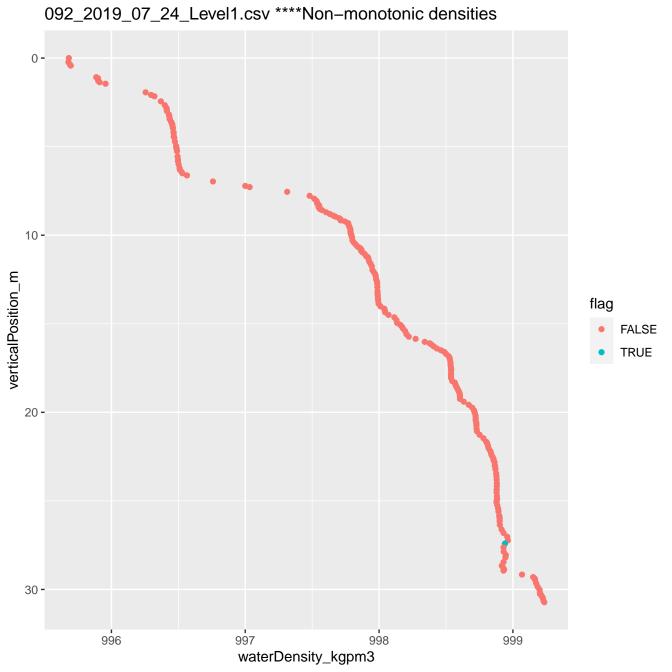


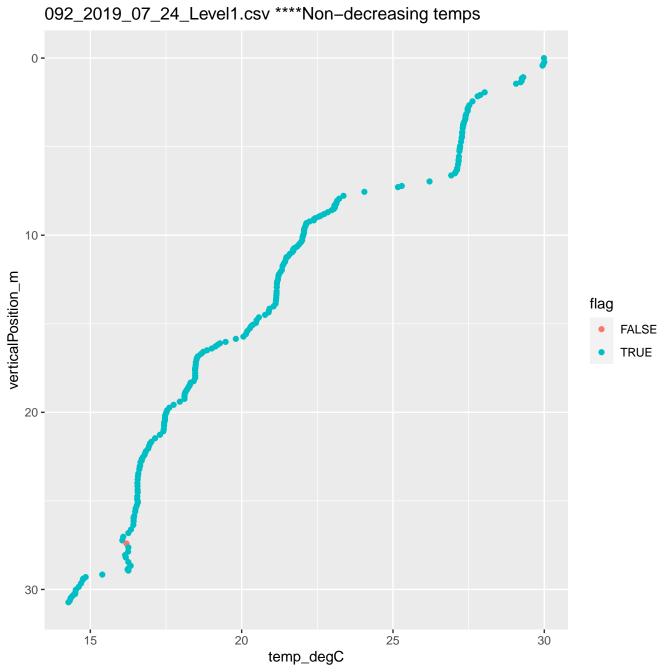


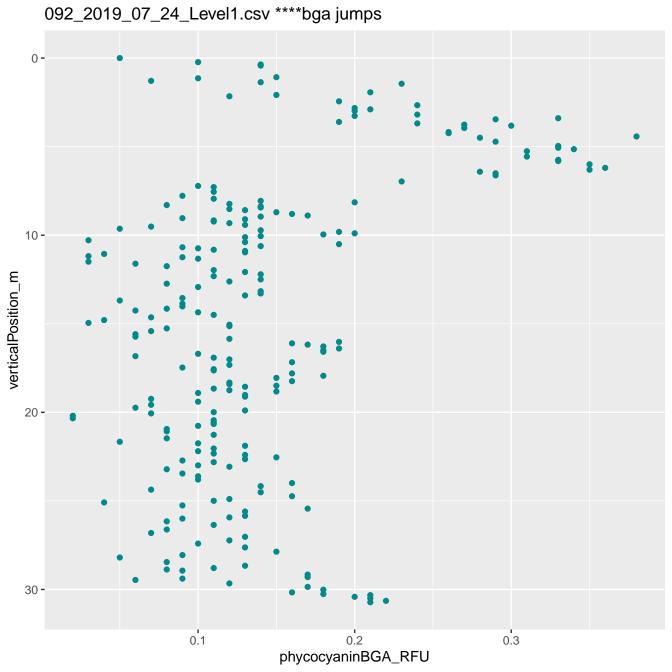


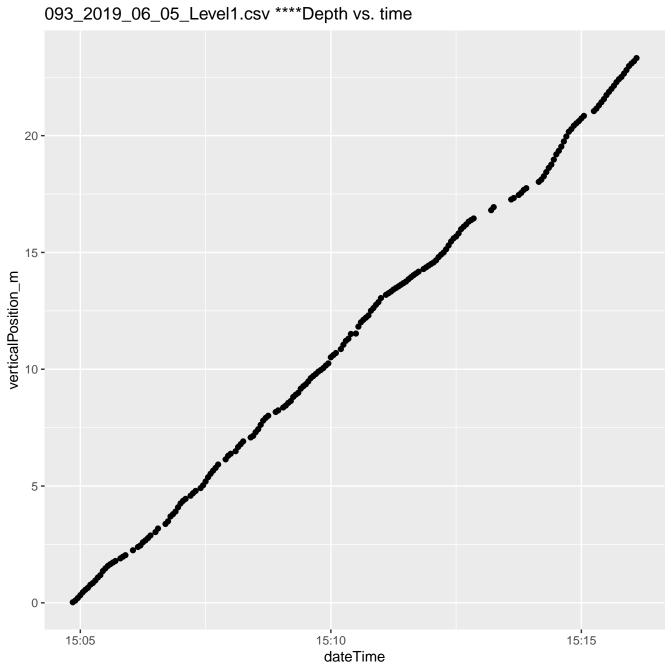


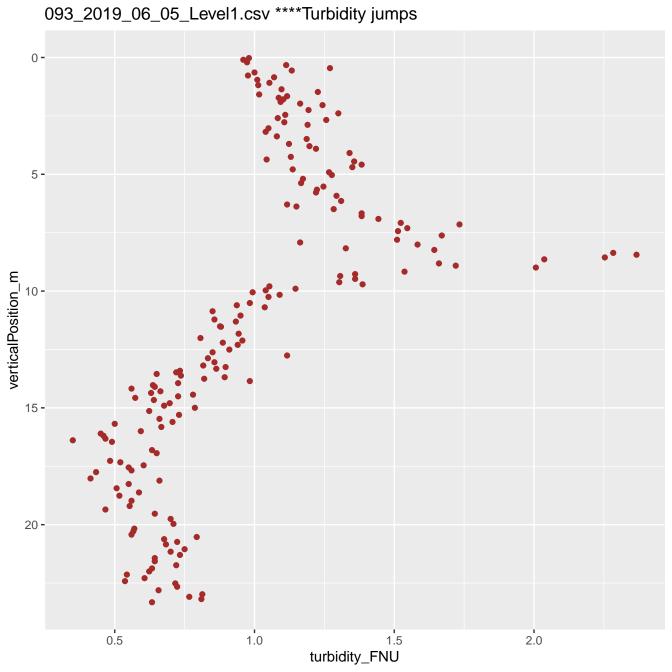


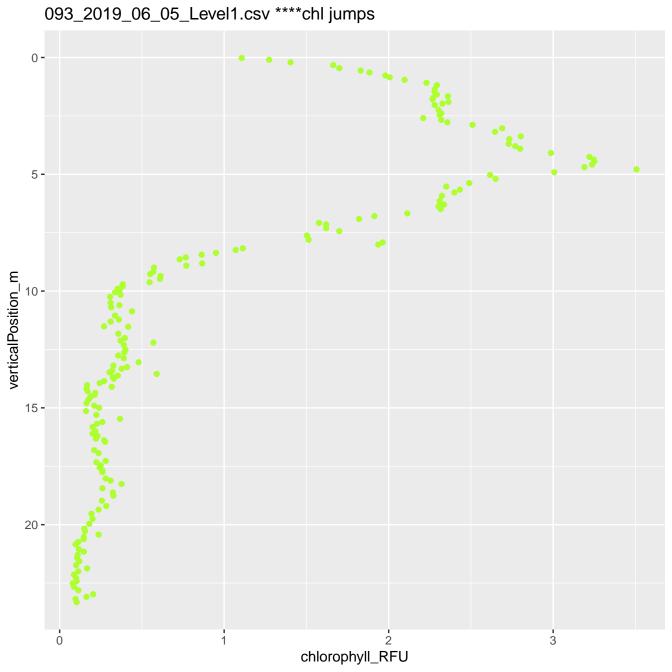


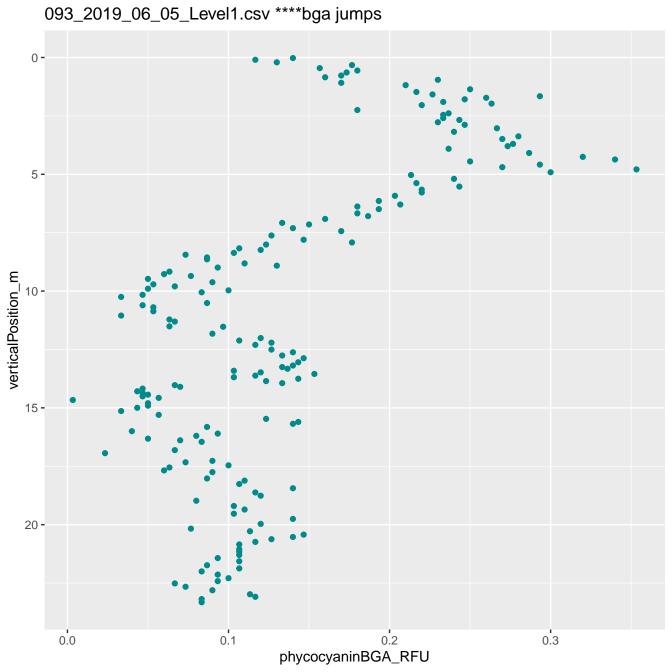


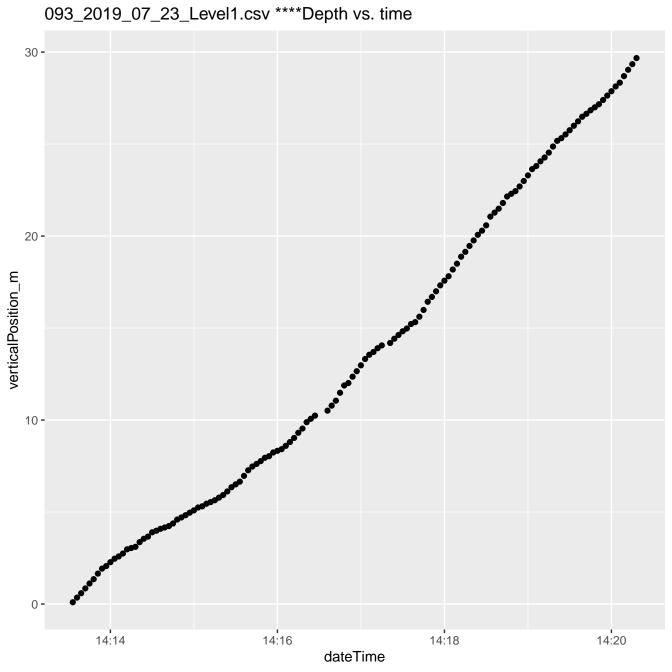


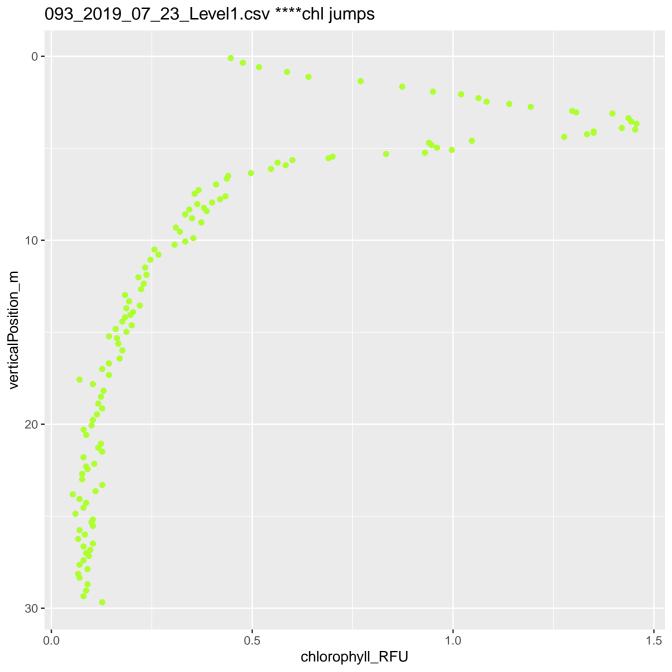


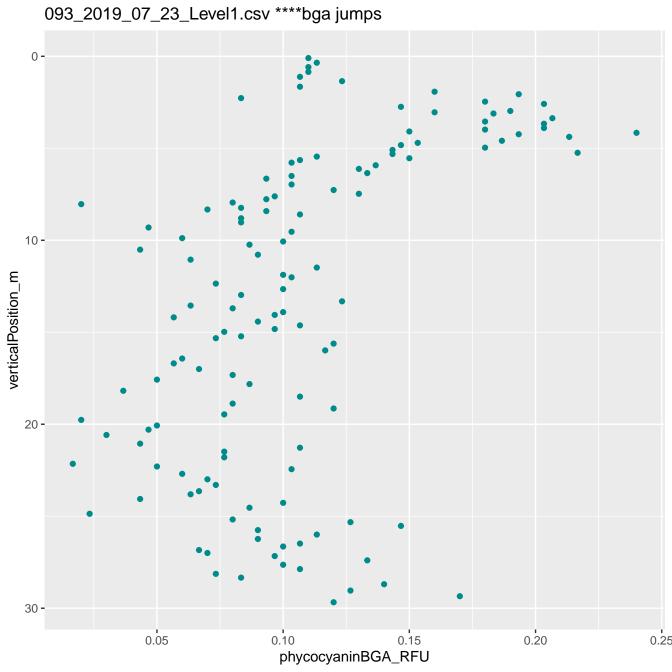


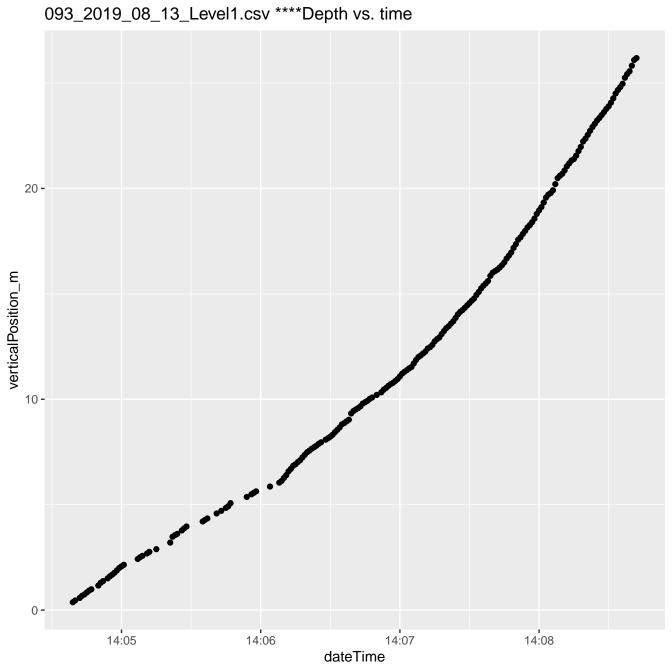


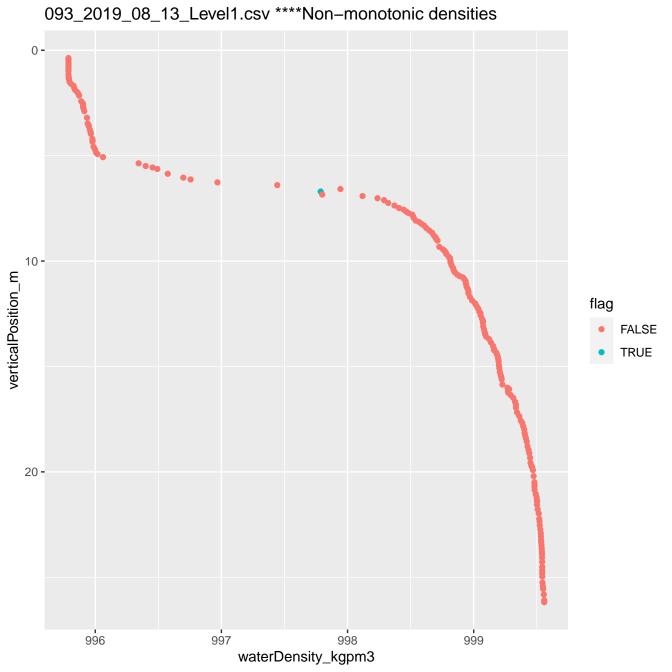


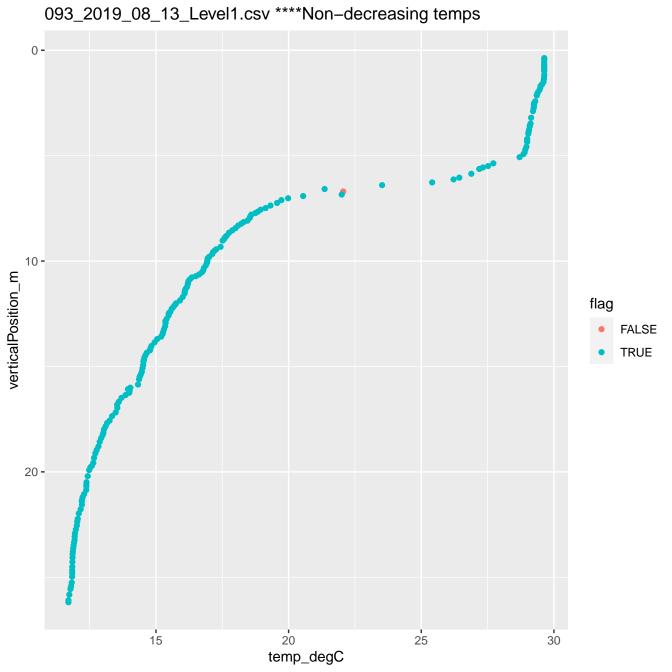


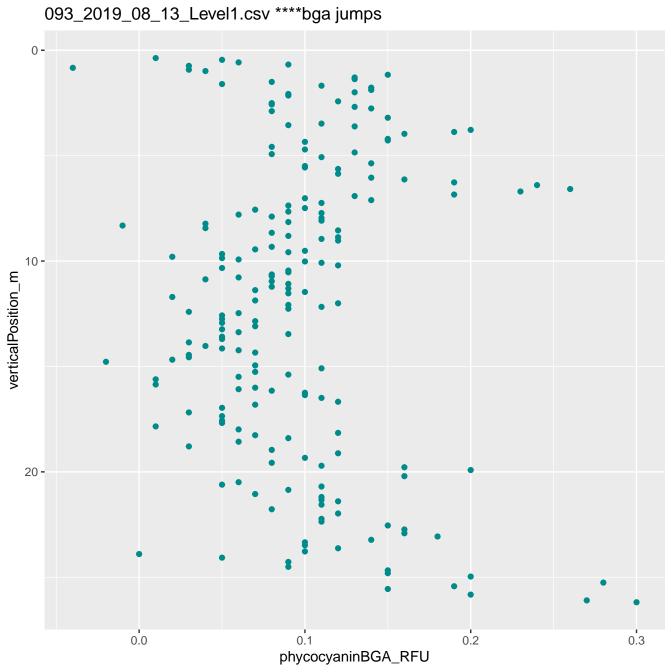






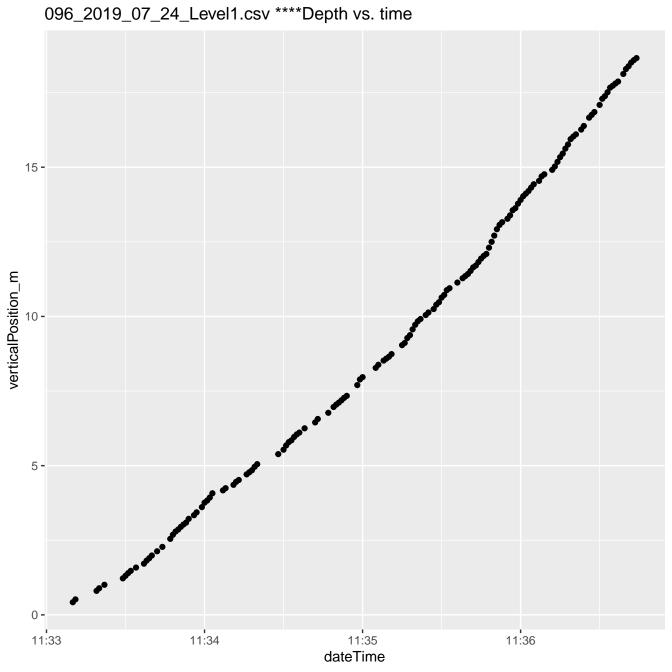


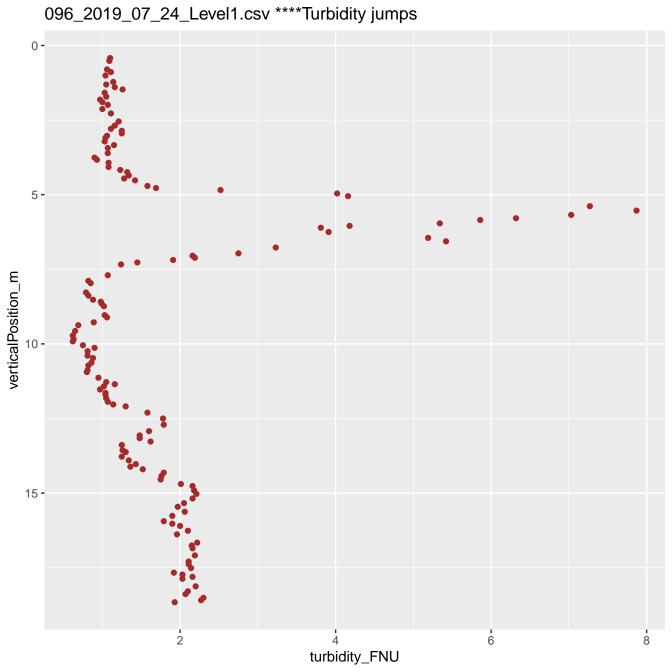


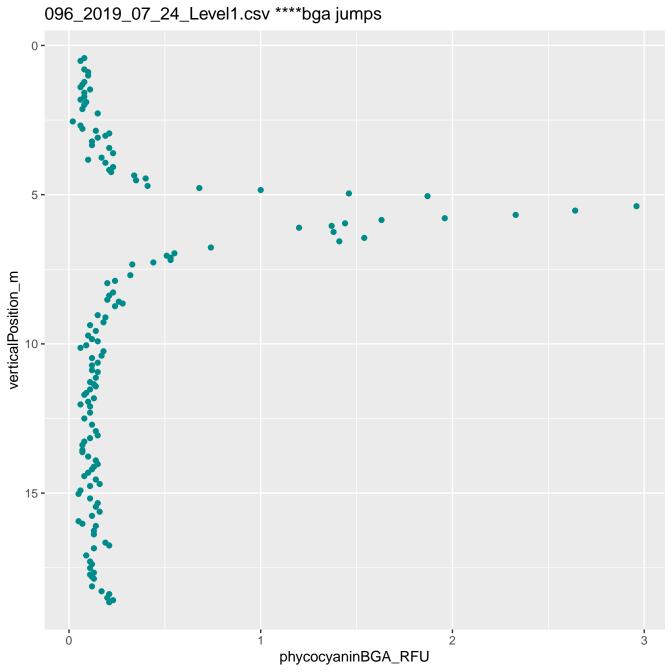


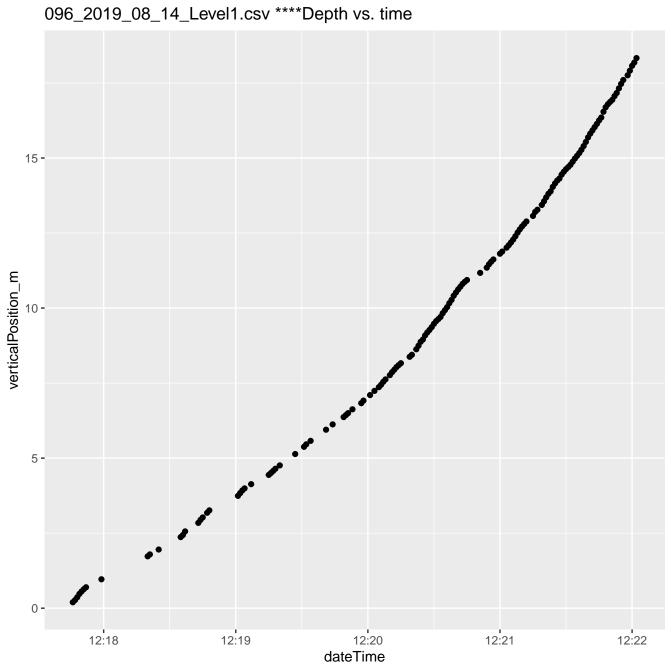
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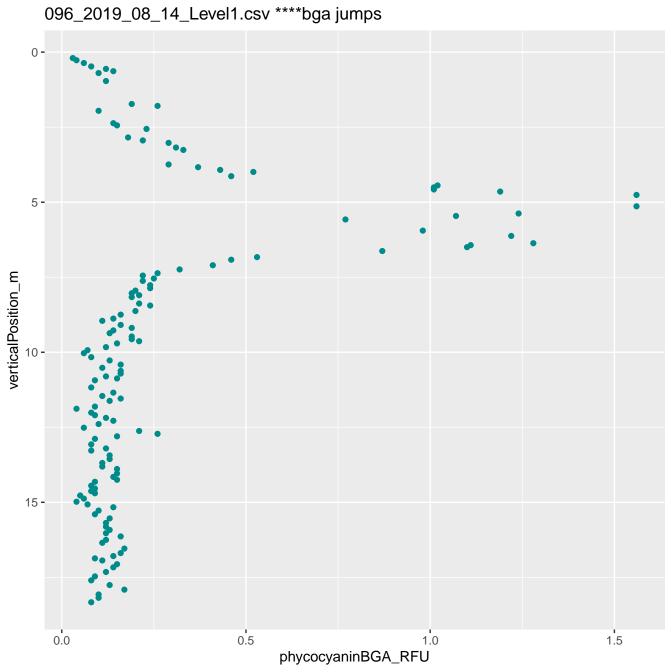
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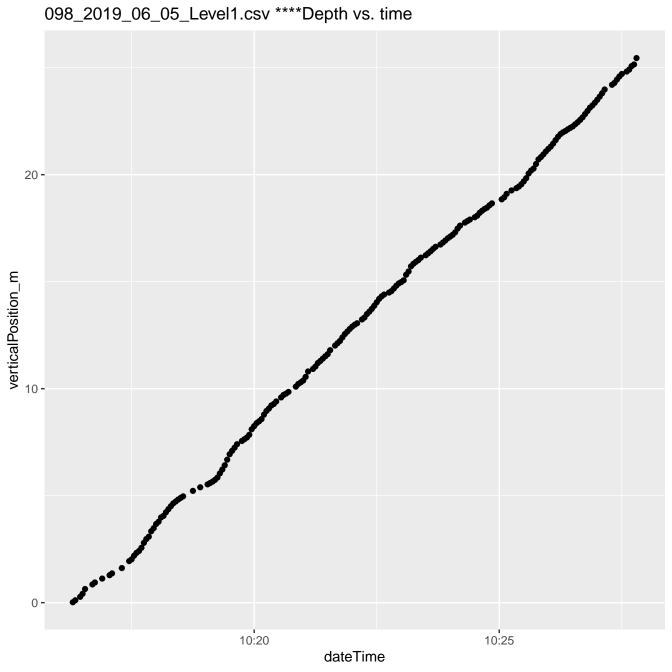


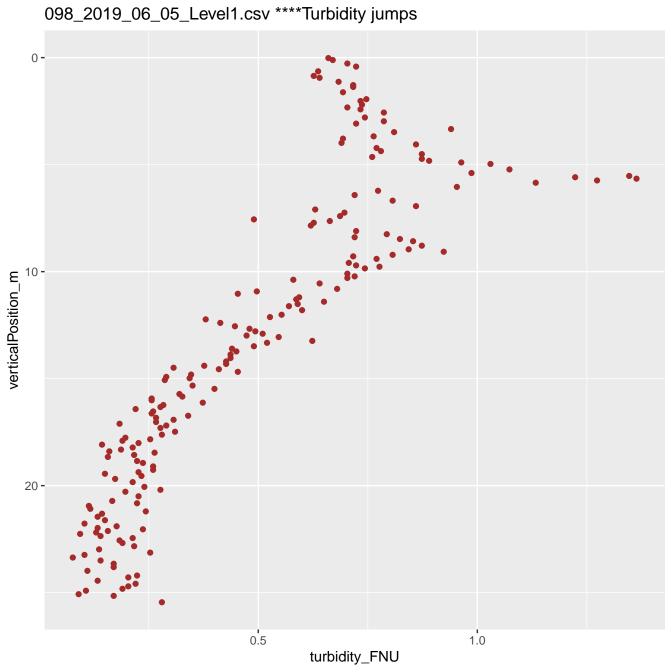


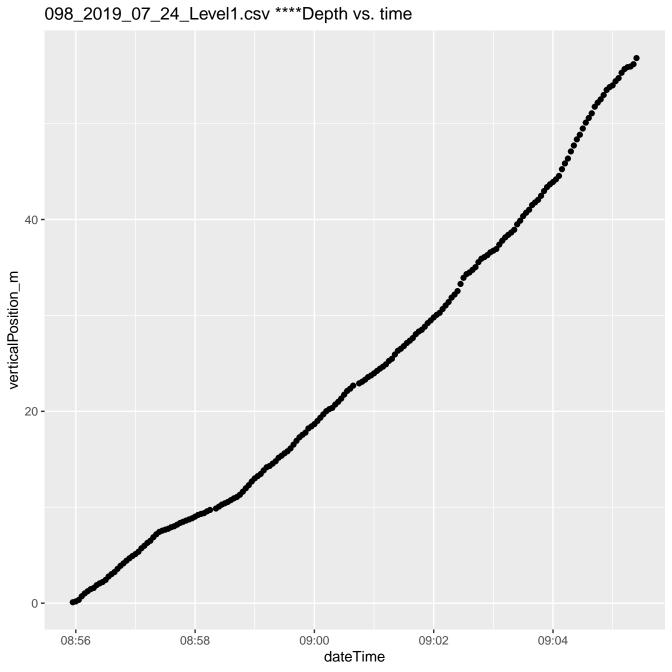


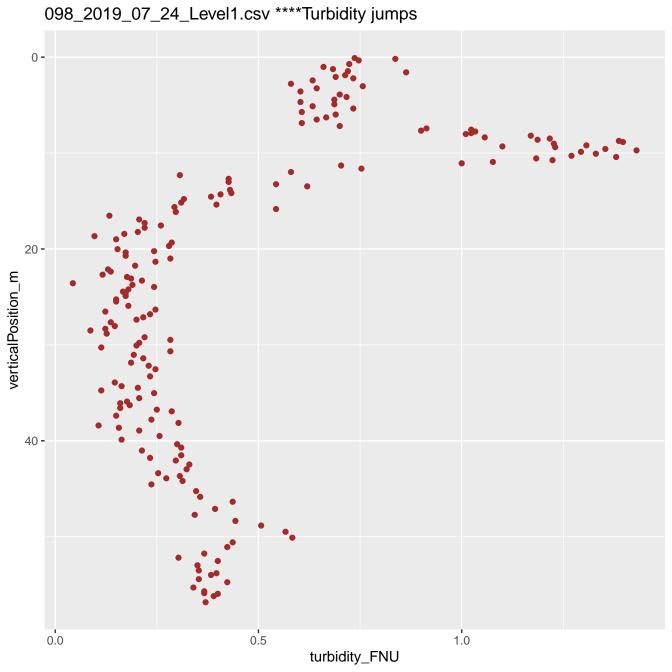


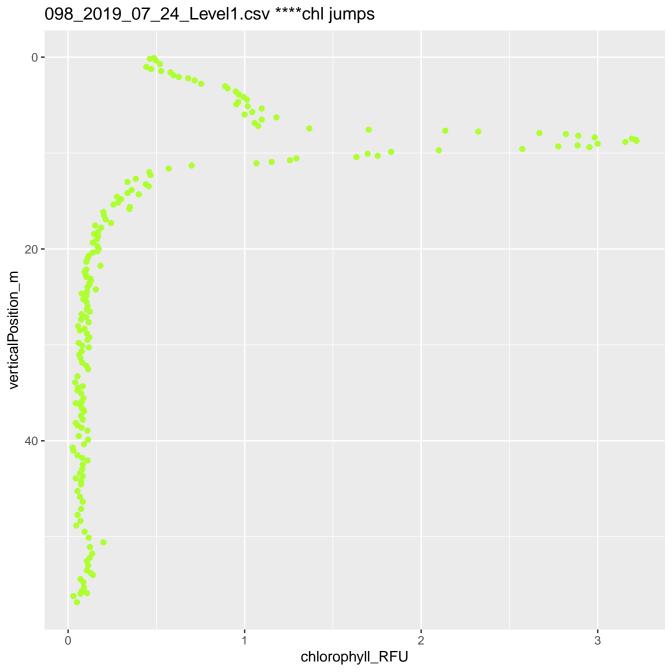


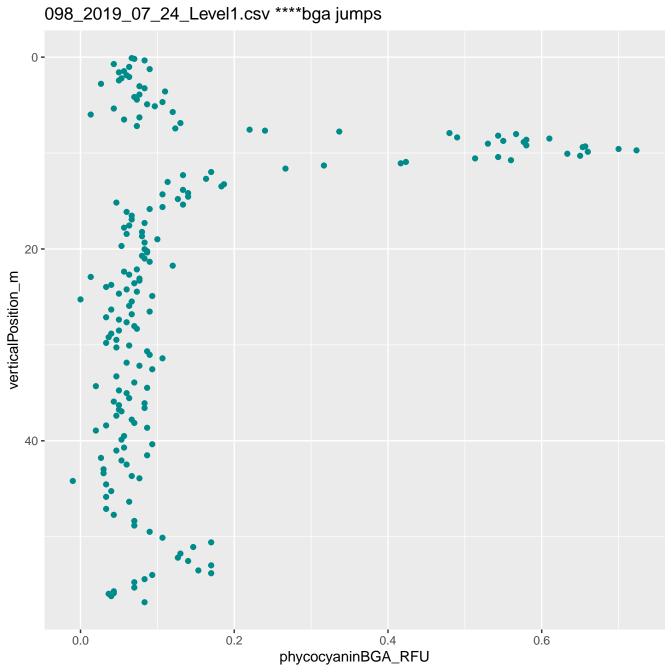


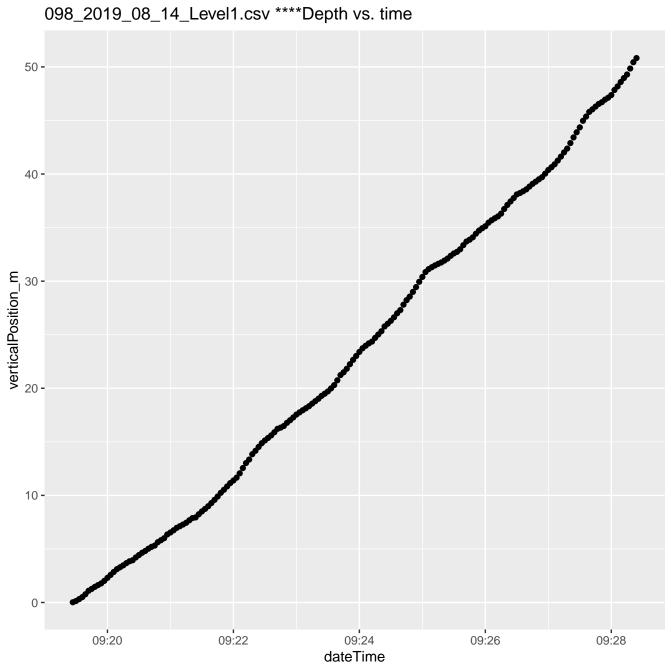






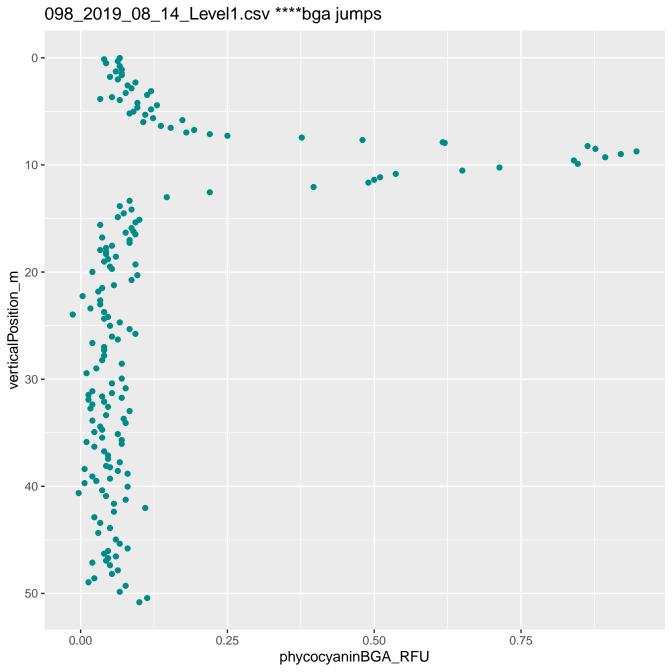






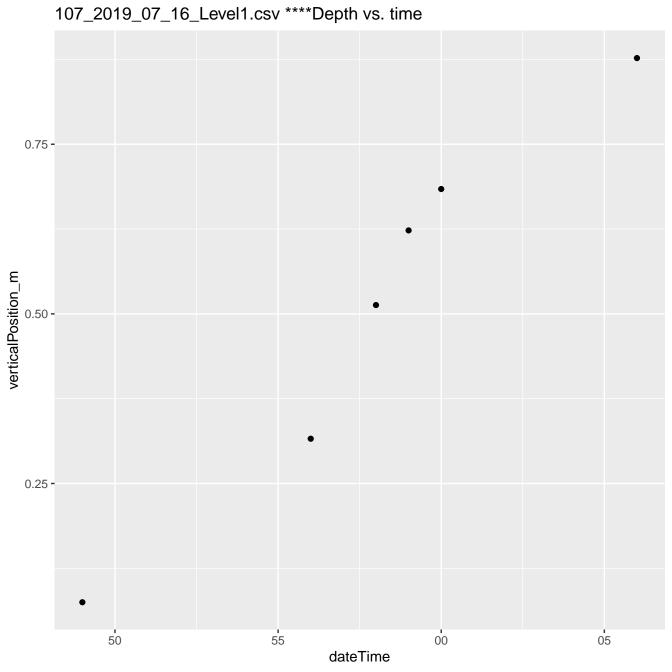
098_2019_08_14_Level1.csv ****Turbidity jumps 0 -10 verticalPosition_m 40 -50 -1.0 turbidity_FNU 0.0 0.5 1.5 2.0

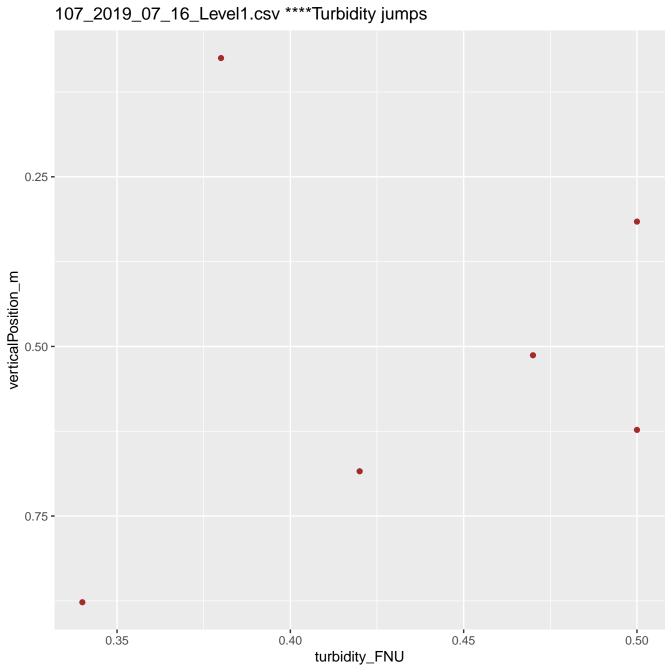
098_2019_08_14_Level1.csv ****chl jumps 0 -10 verticalPosition_m 40 -50 -0.5 1.0 0.0 1.5 2.0 2.5 chlorophyll_RFU

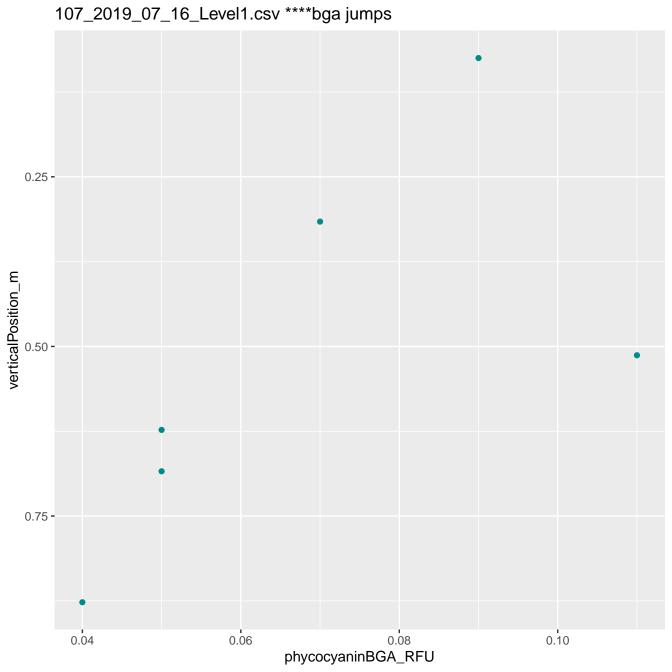


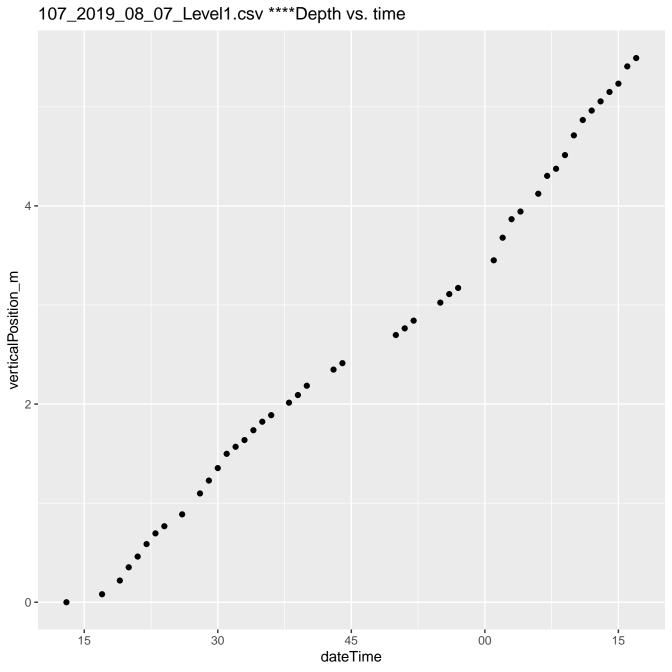


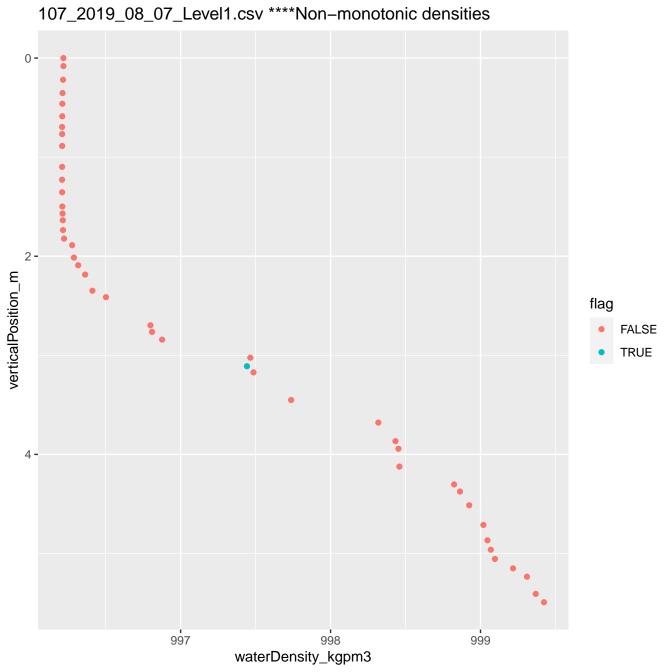


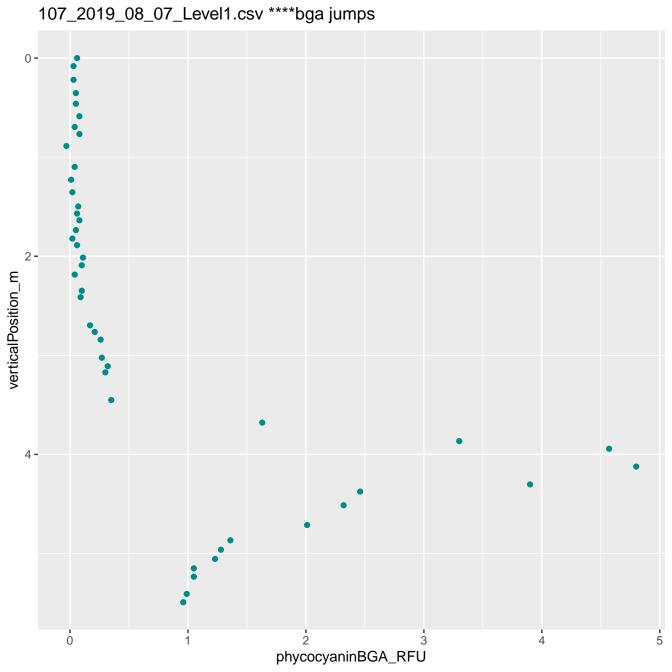


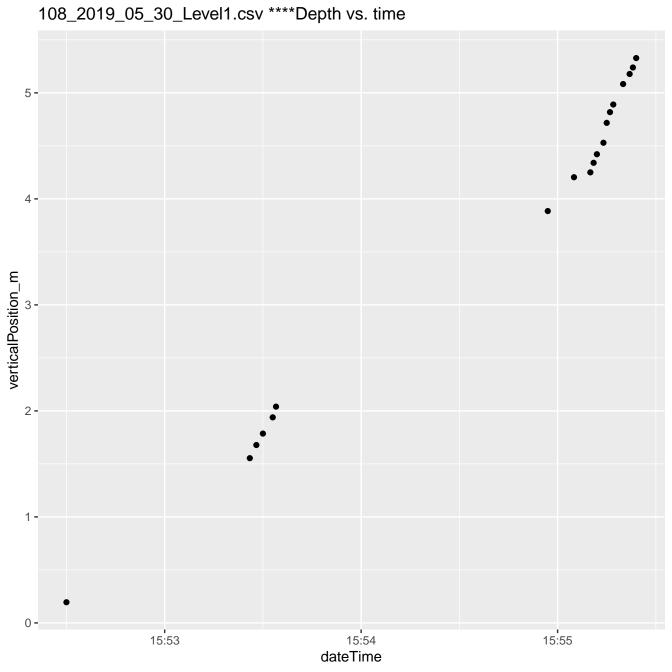


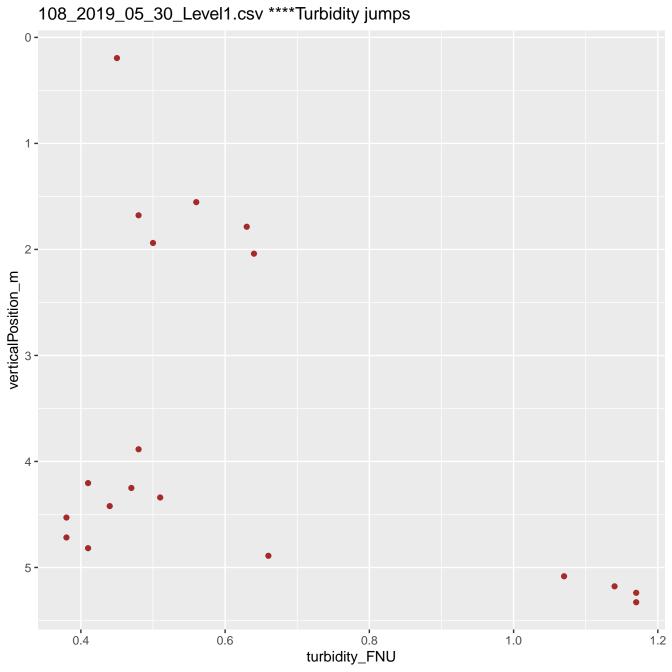


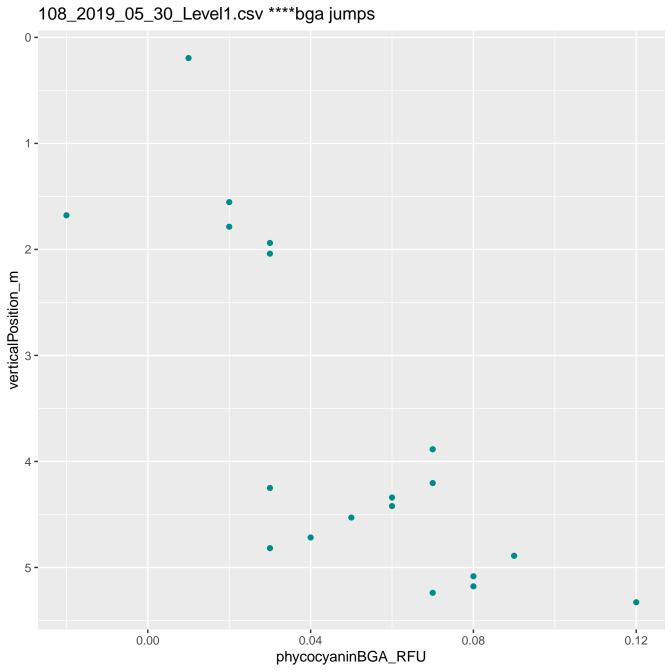


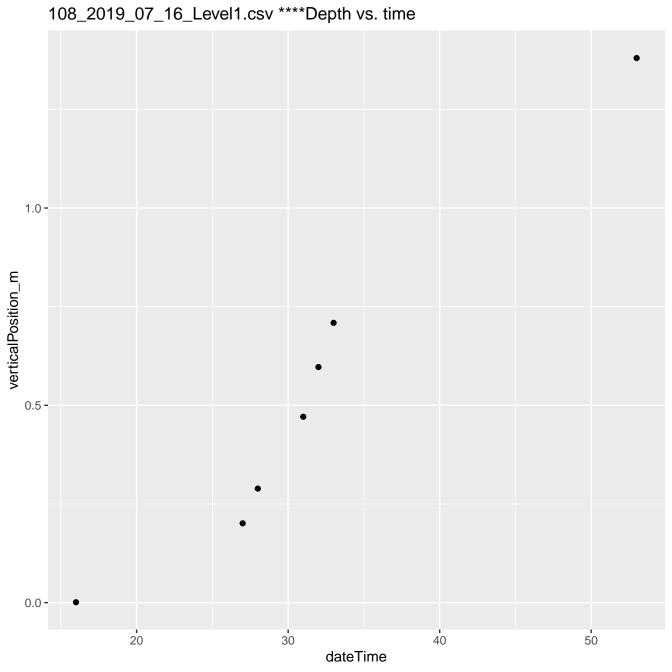


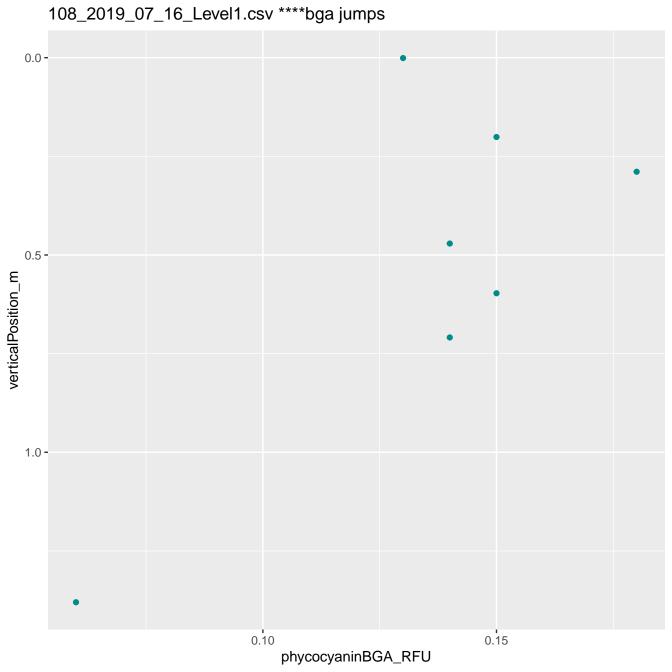


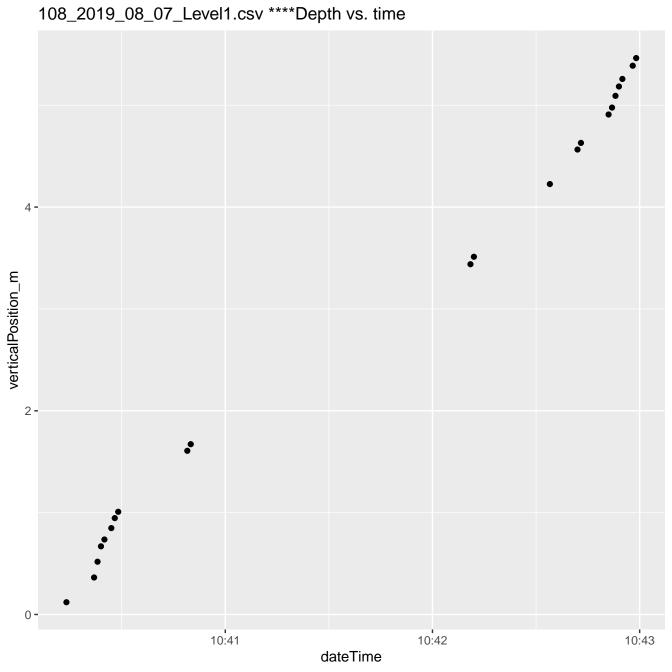


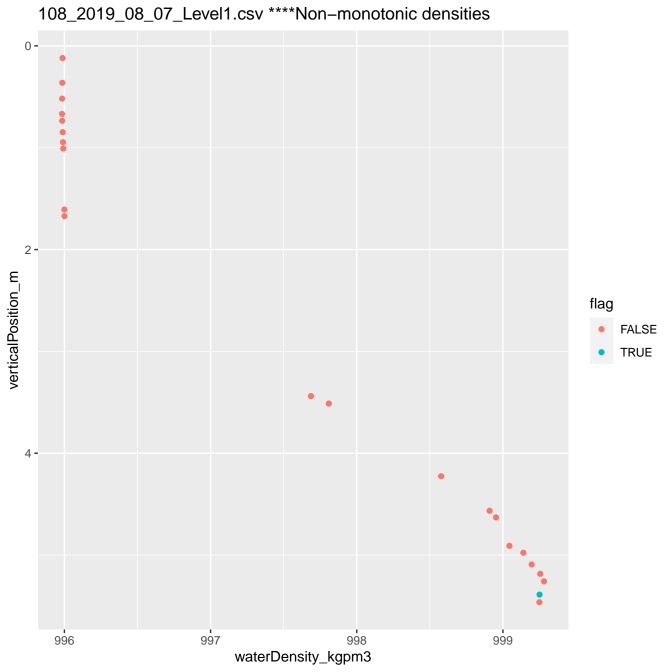


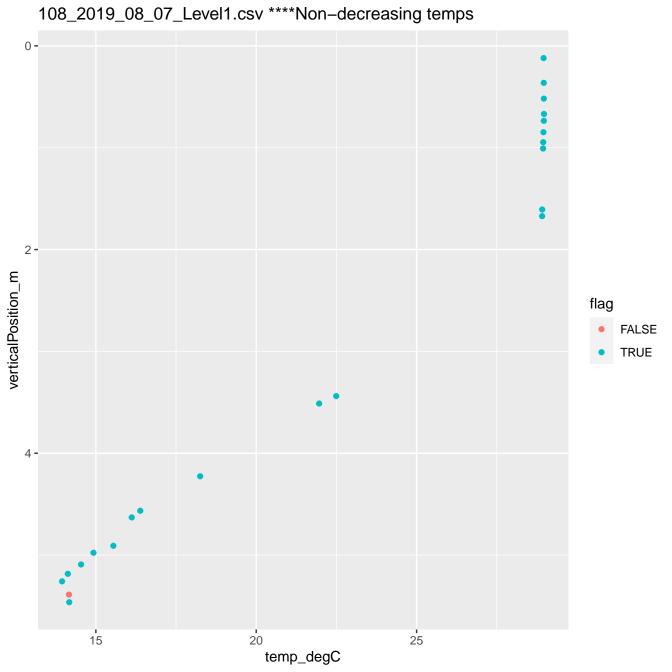


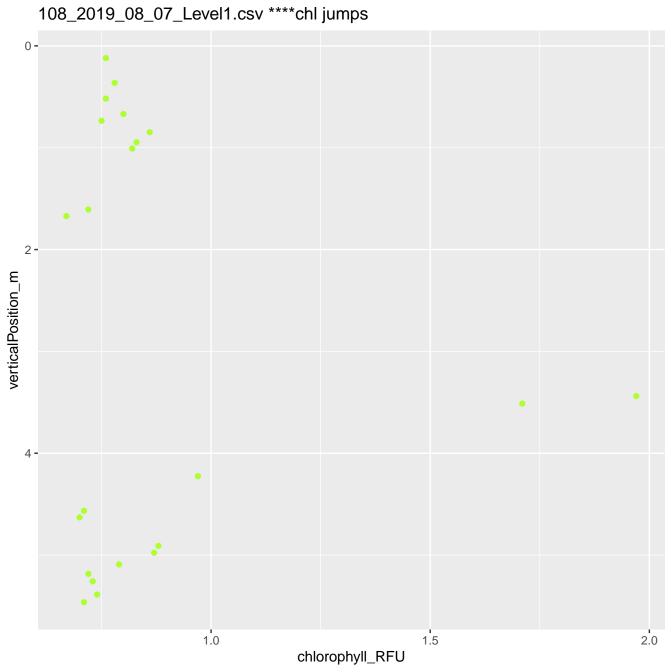


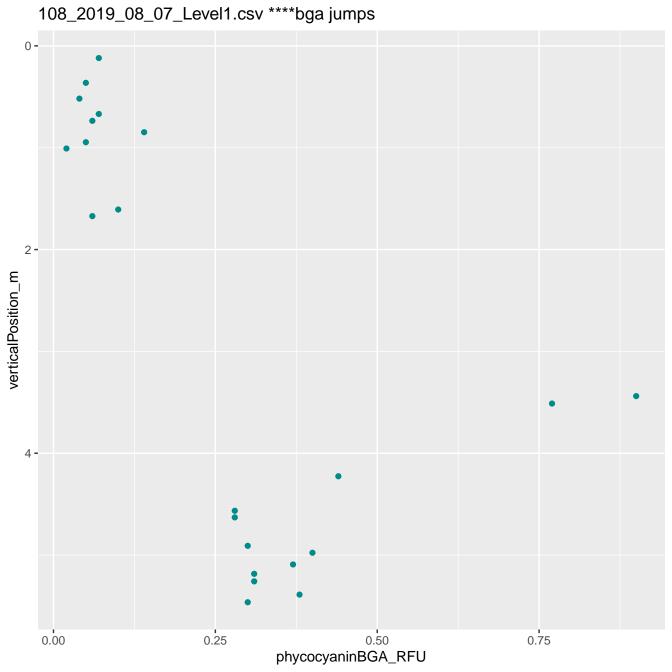


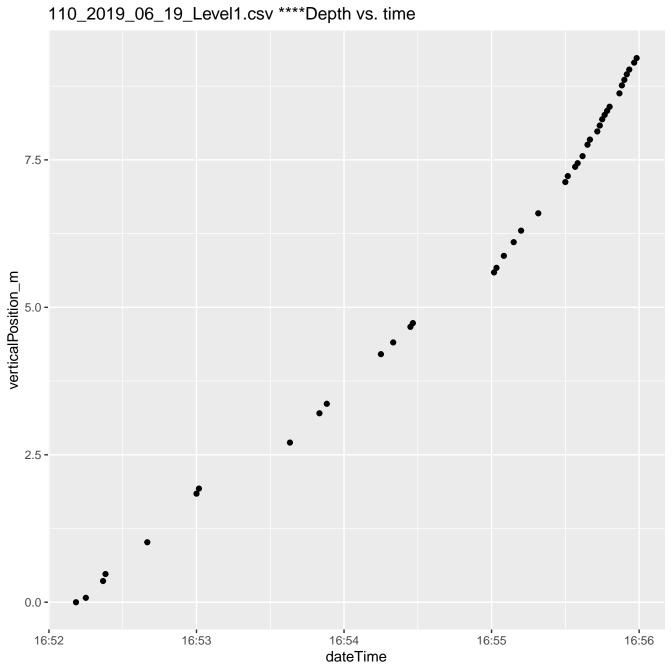


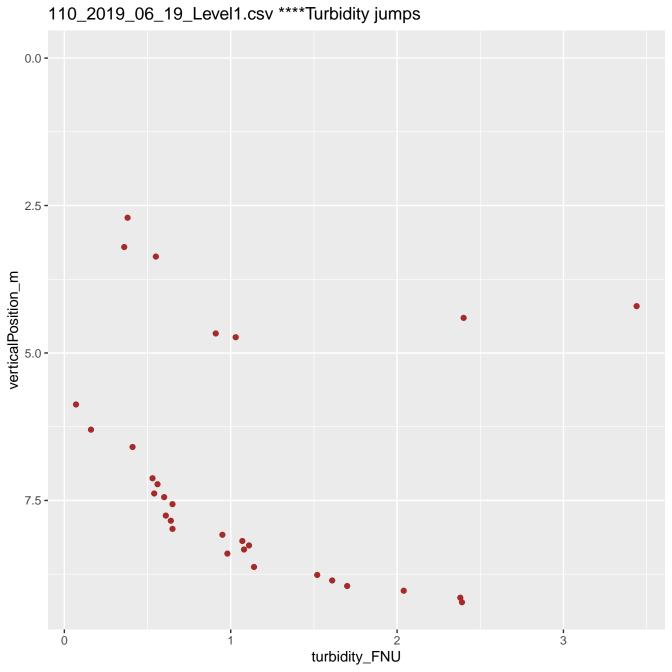


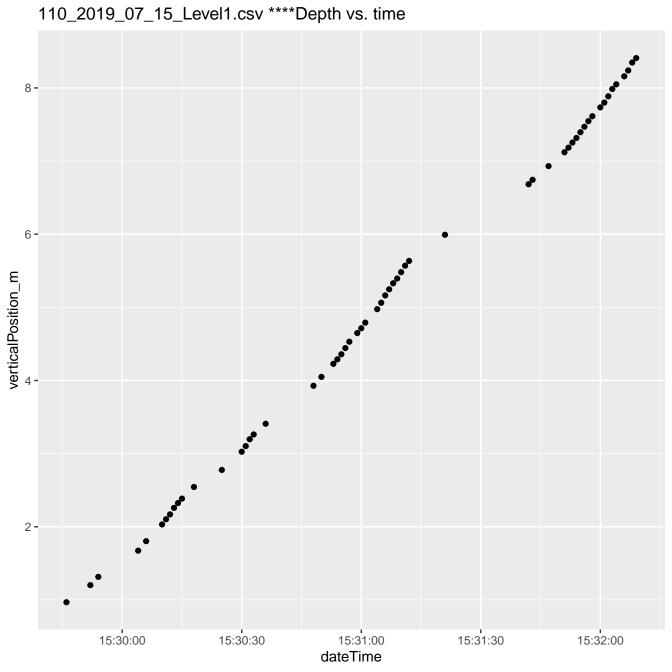


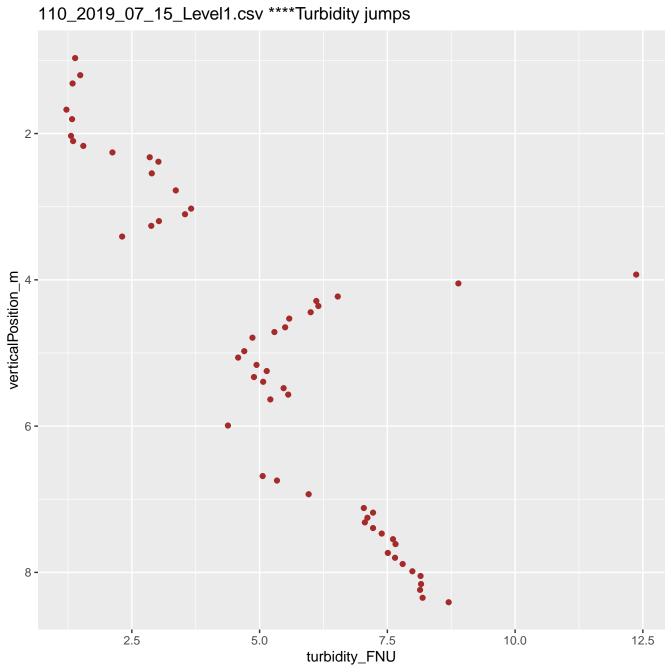


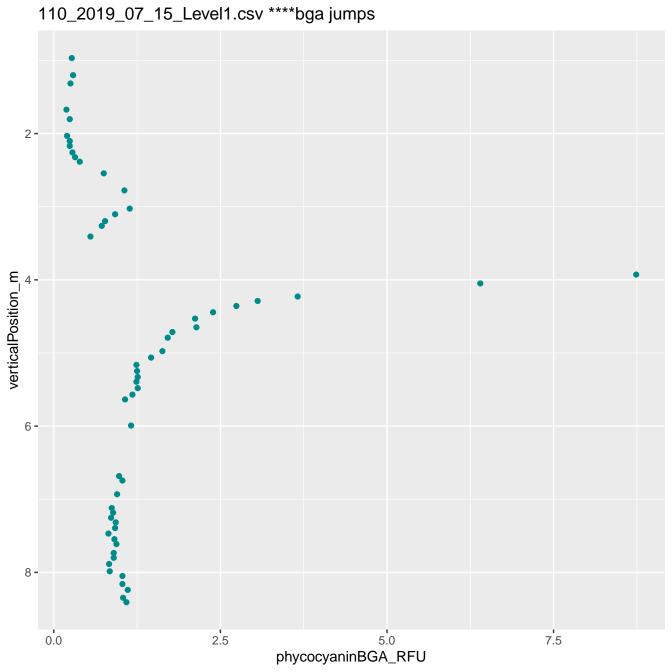


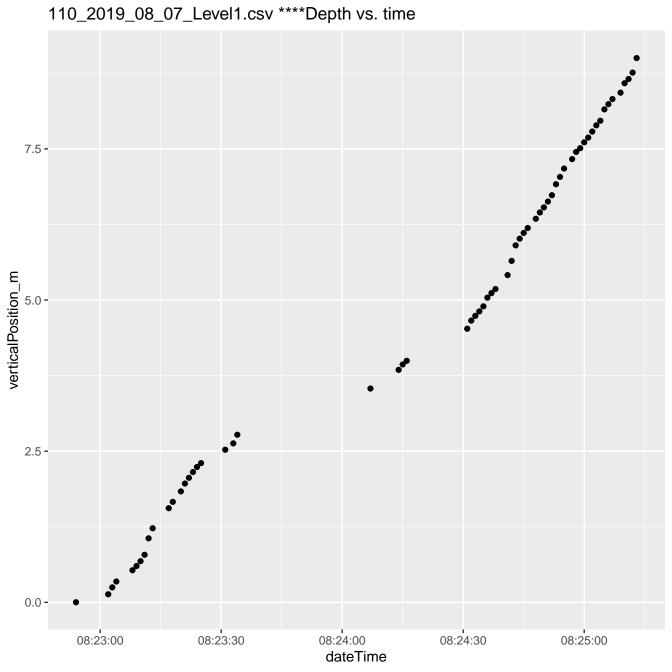


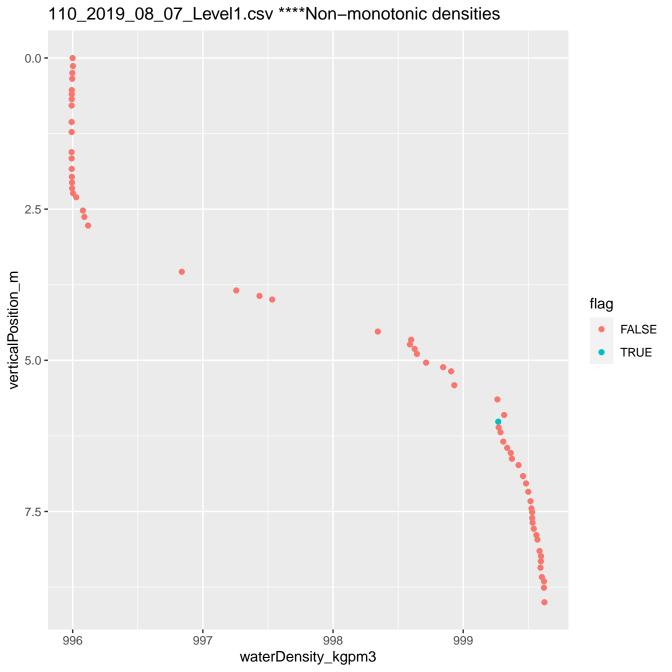


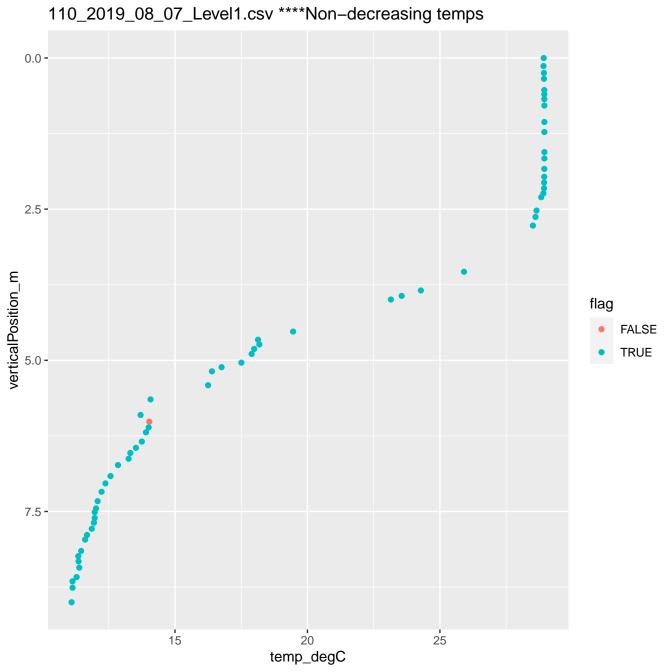


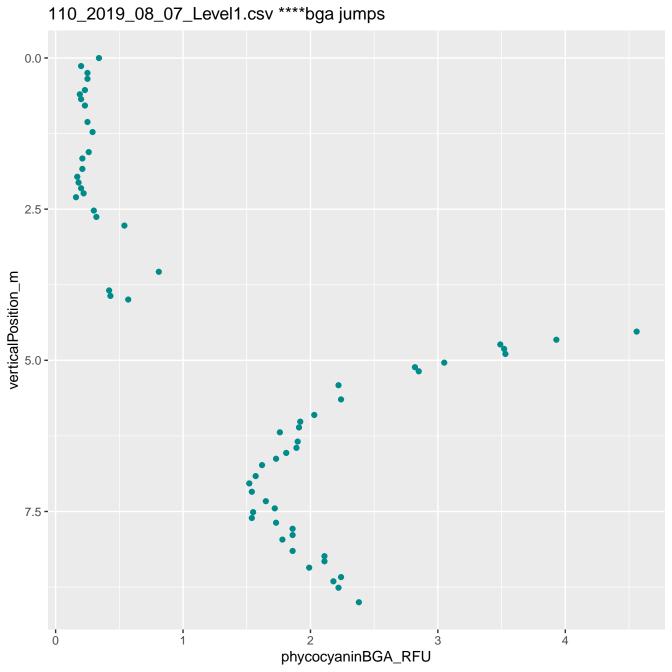


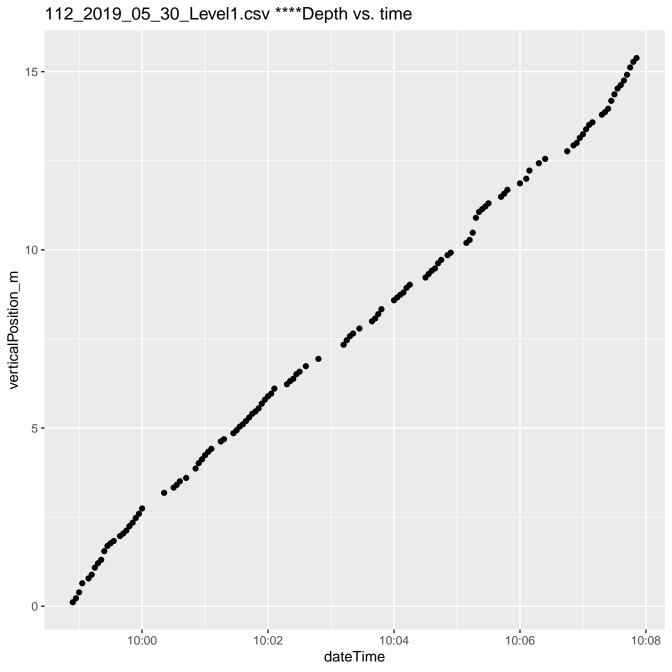


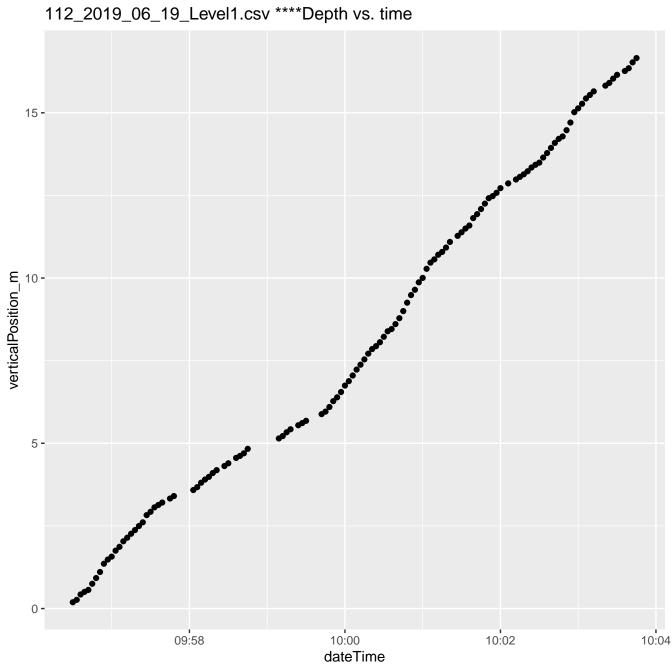


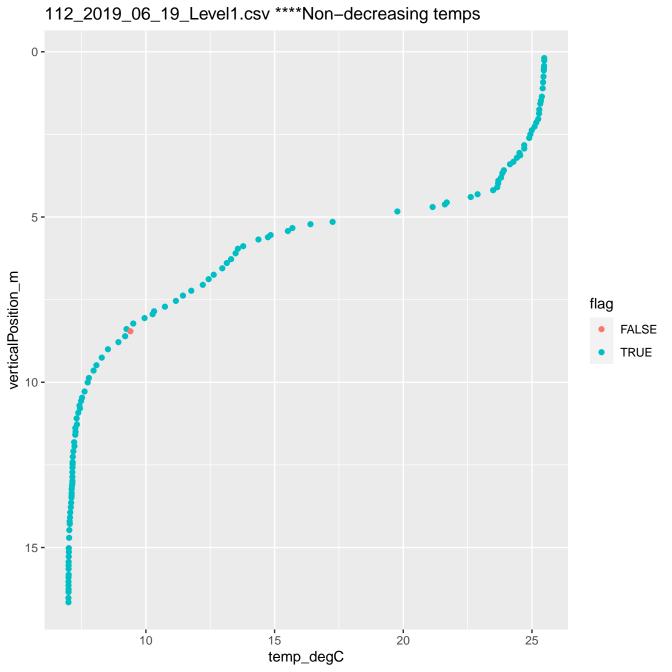


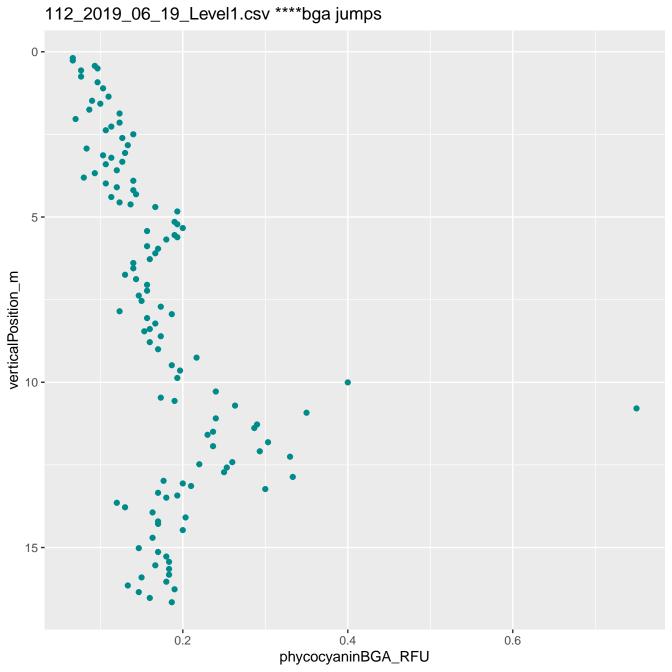


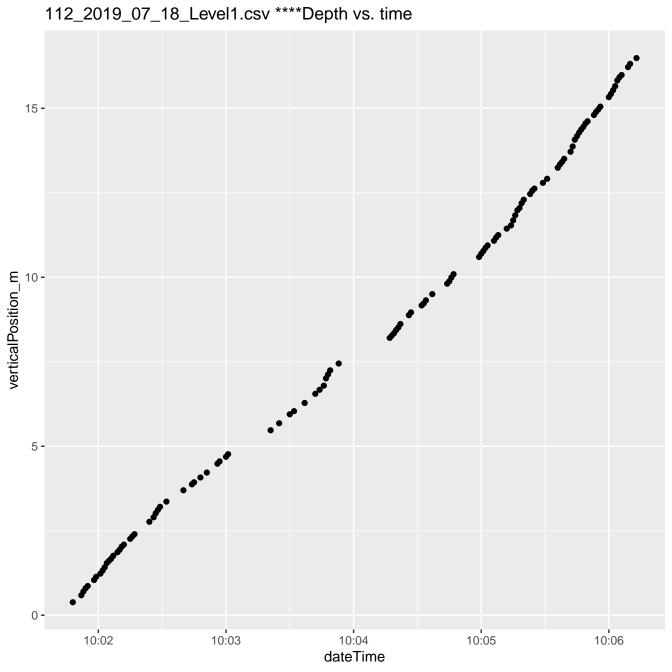


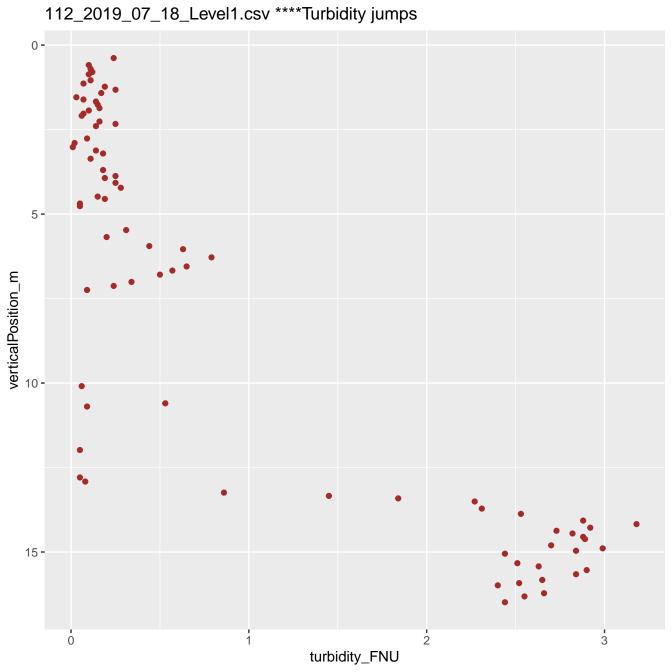




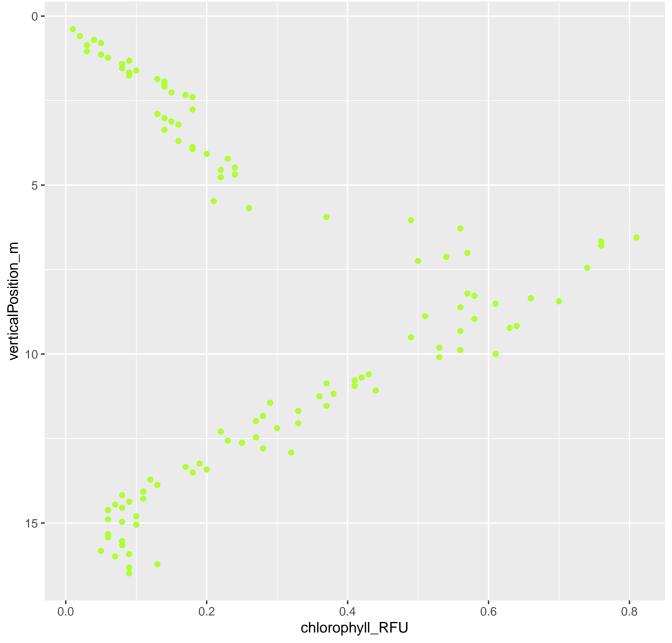




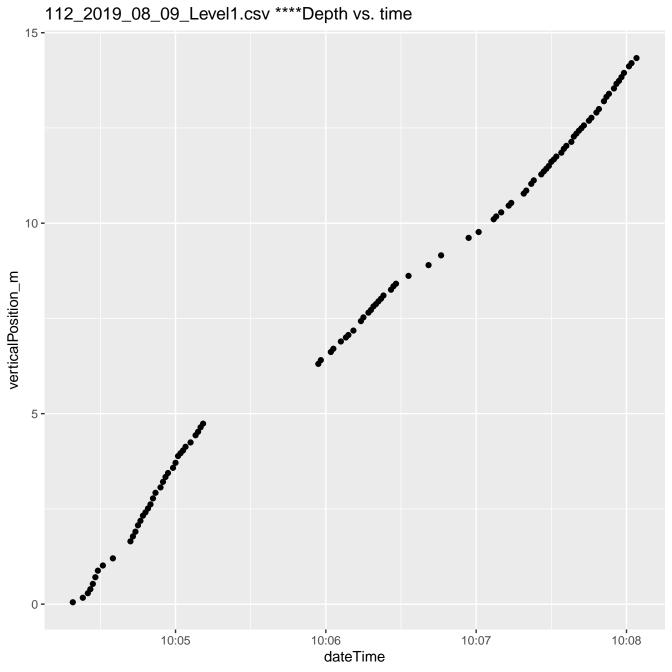


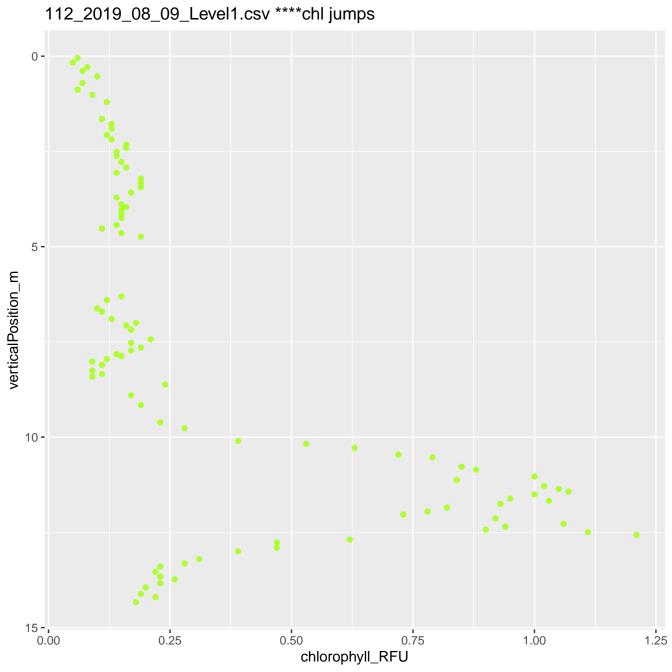


112_2019_07_18_Level1.csv ****chl jumps

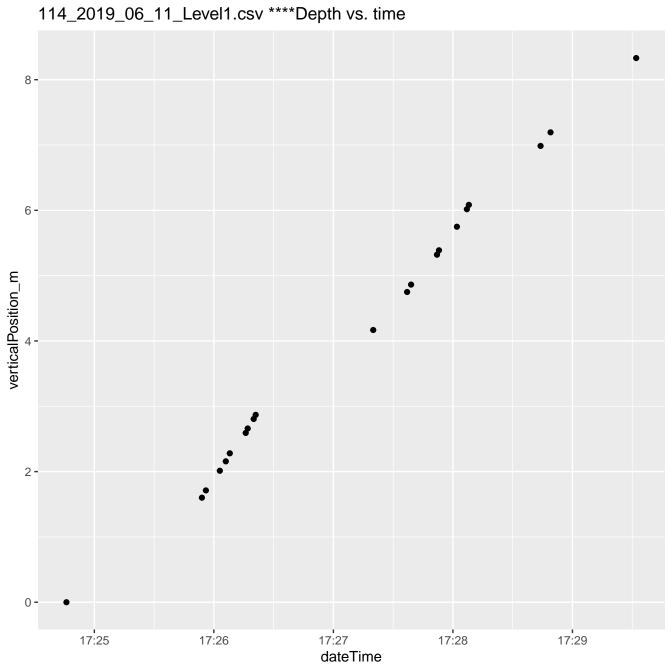


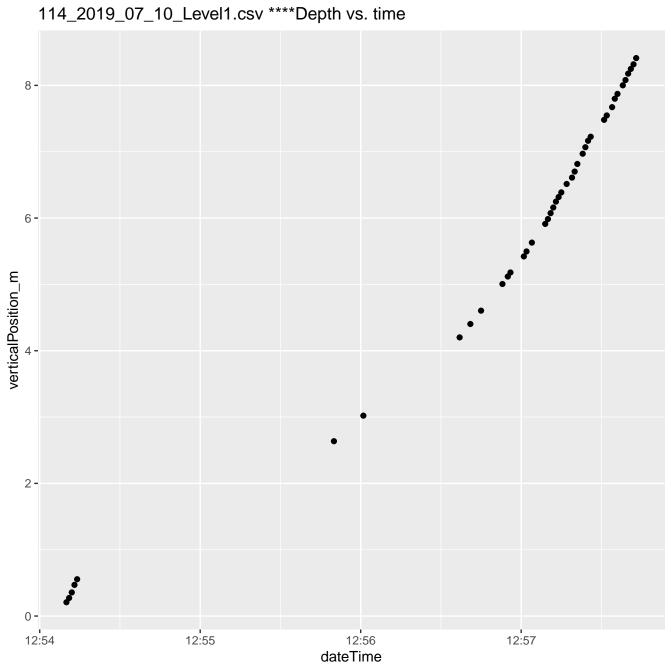
112_2019_07_18_Level1.csv ****bga jumps 0 -5 verticalPosition_m 15**-**0.0 0.1 0.2 -0.1 phycocyaninBGA_RFU

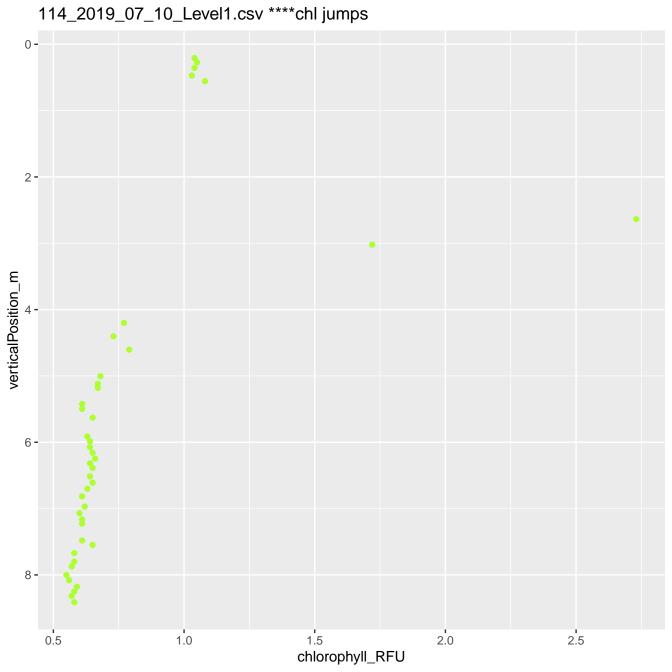


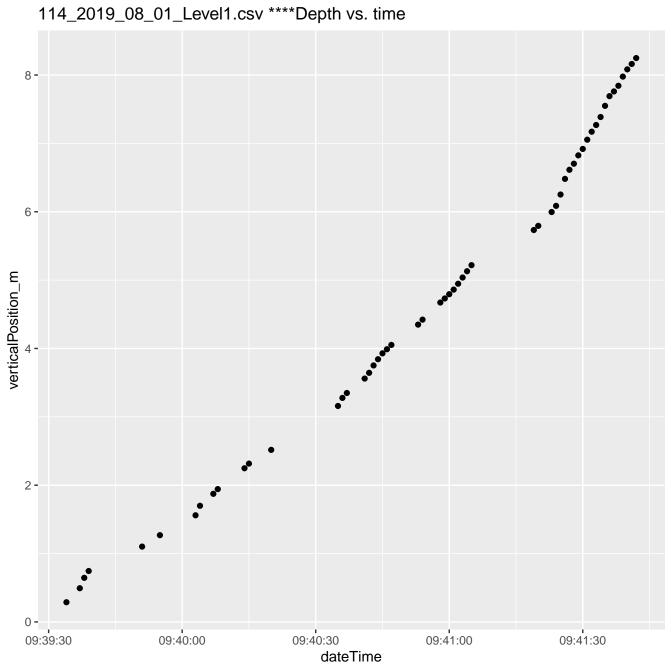


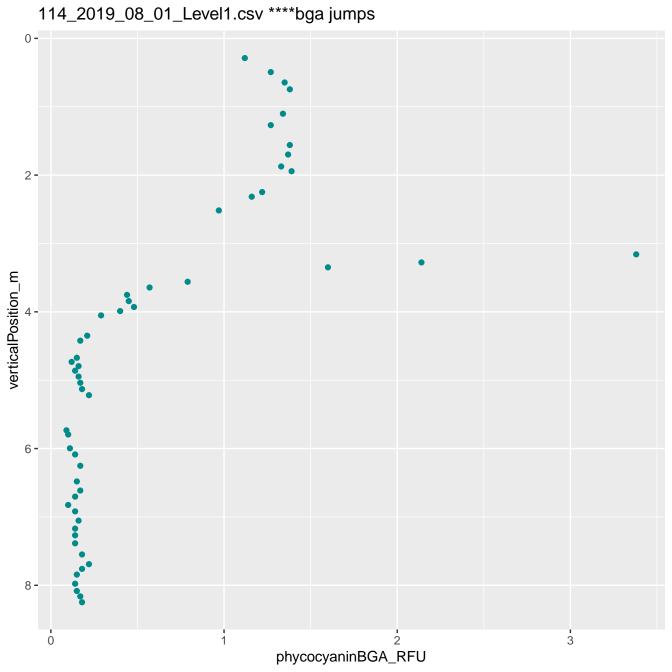
112_2019_08_09_Level1.csv ****bga jumps 0 -5 verticalPosition_m 10 -15 **-**0.25 0.50 phycocyaninBGA_RFU 0.00 0.75 1.00

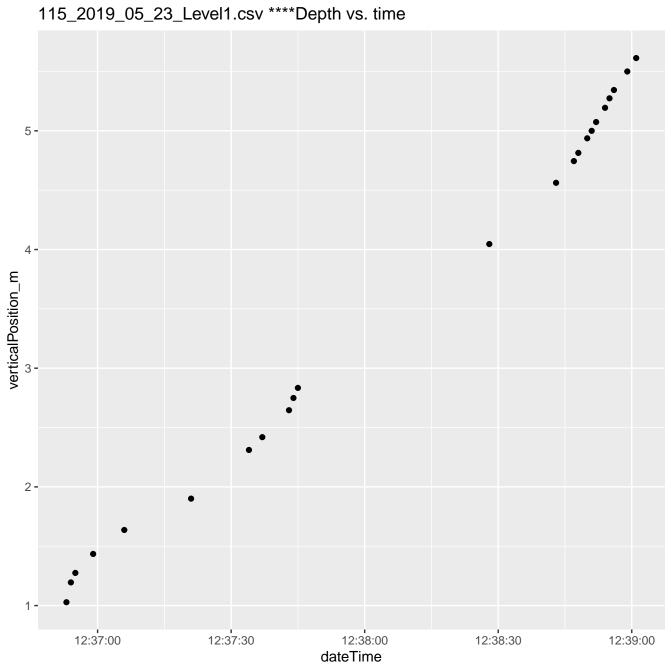


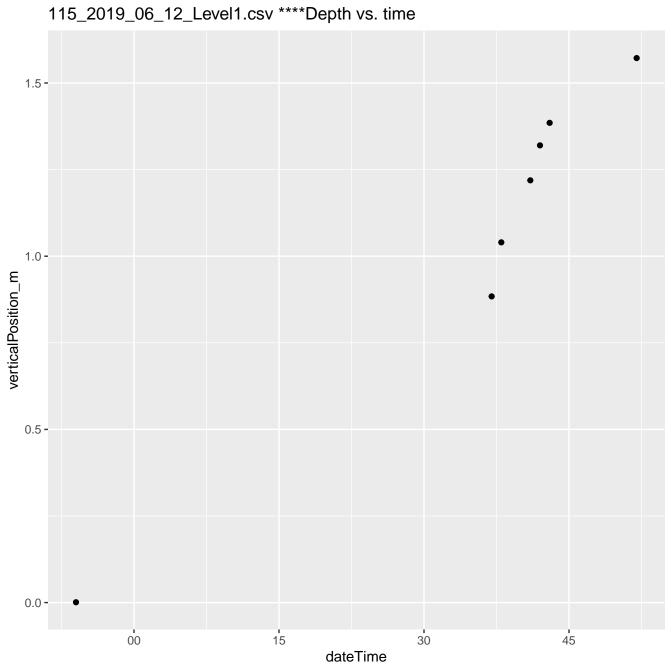


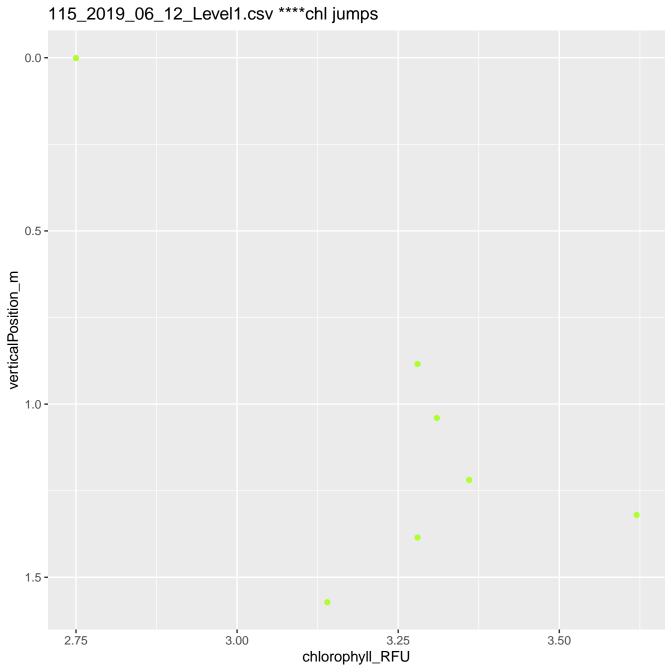


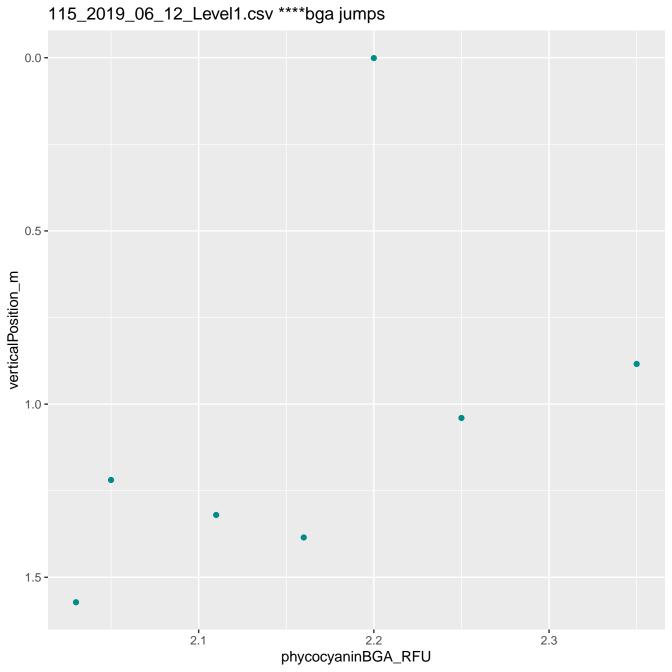


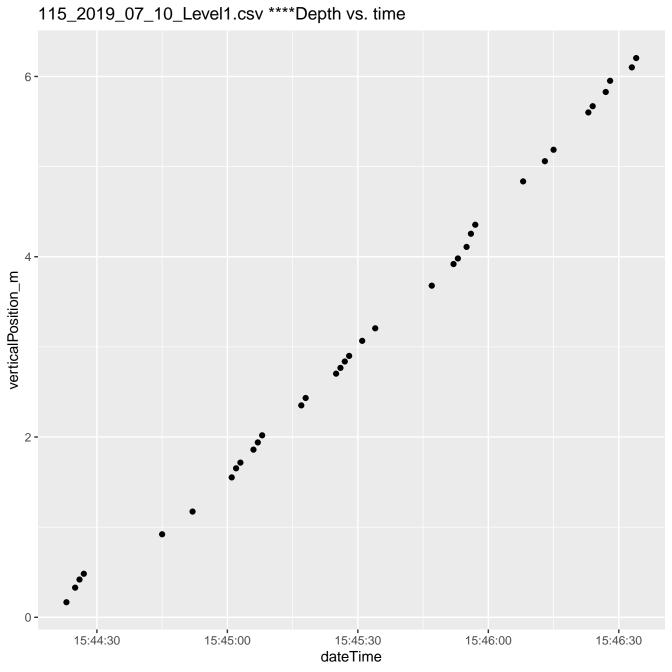


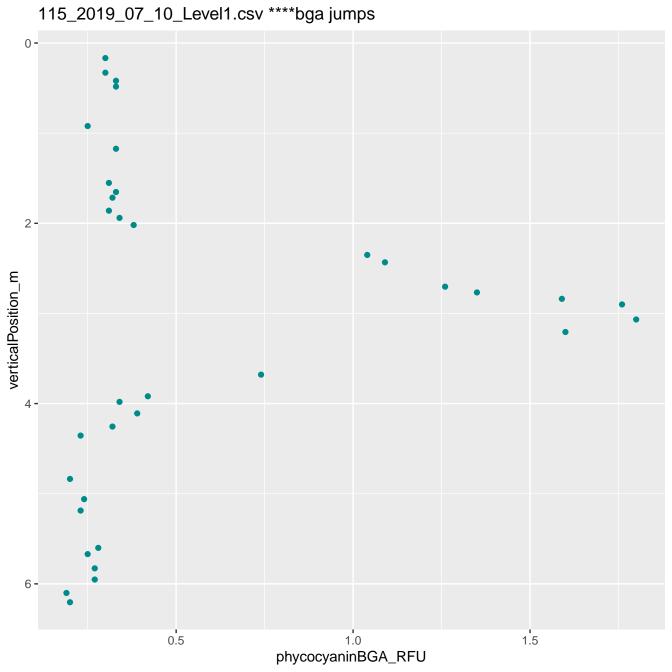


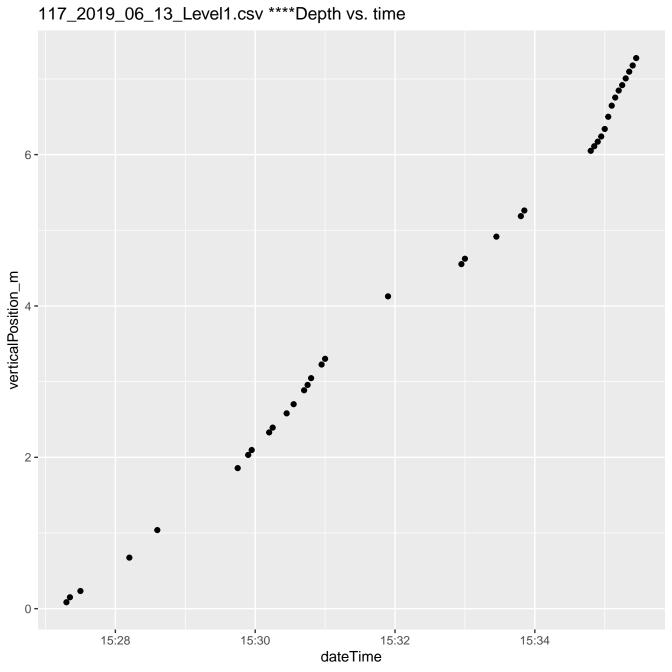


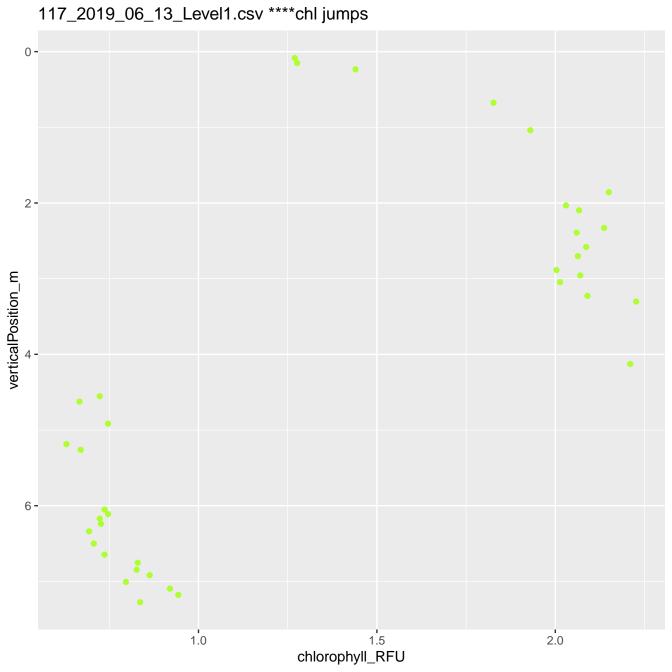


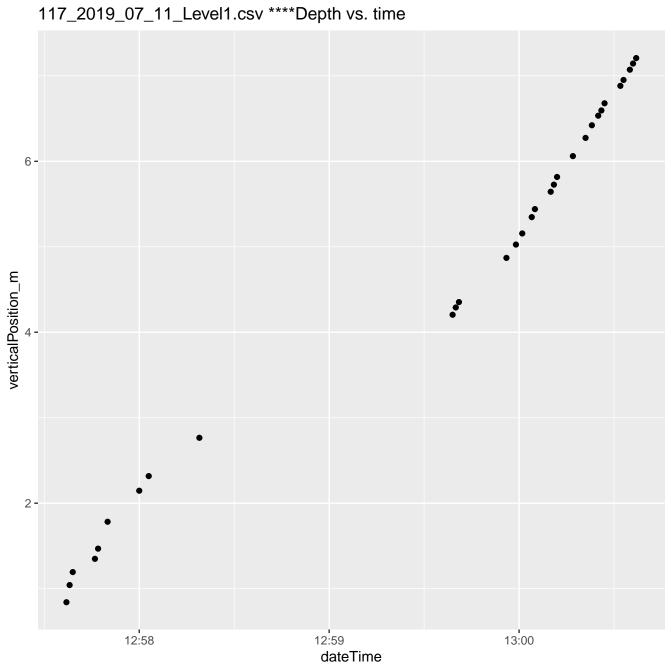


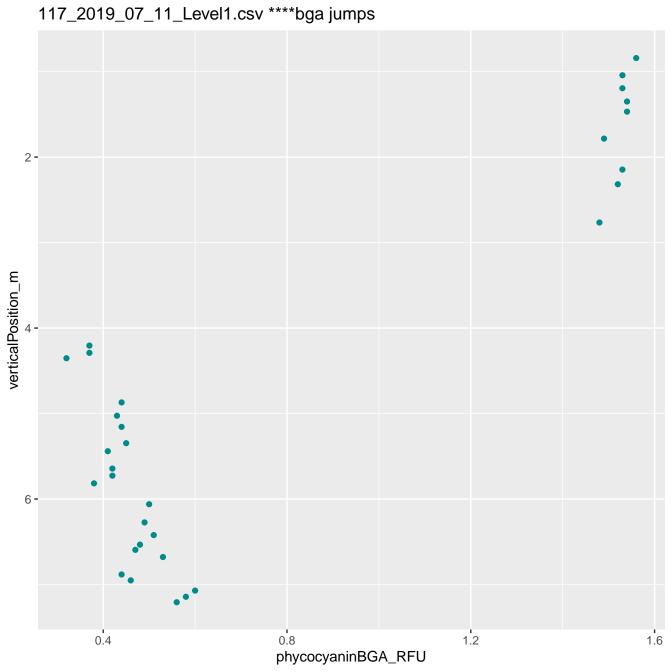


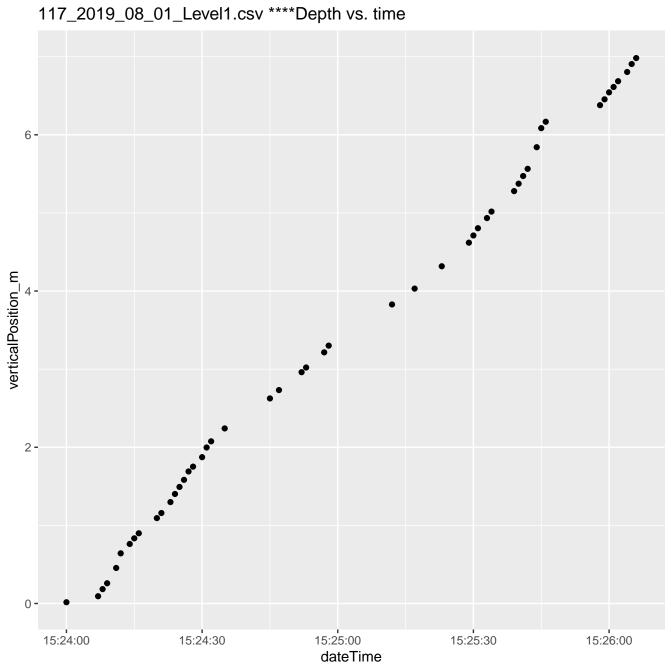


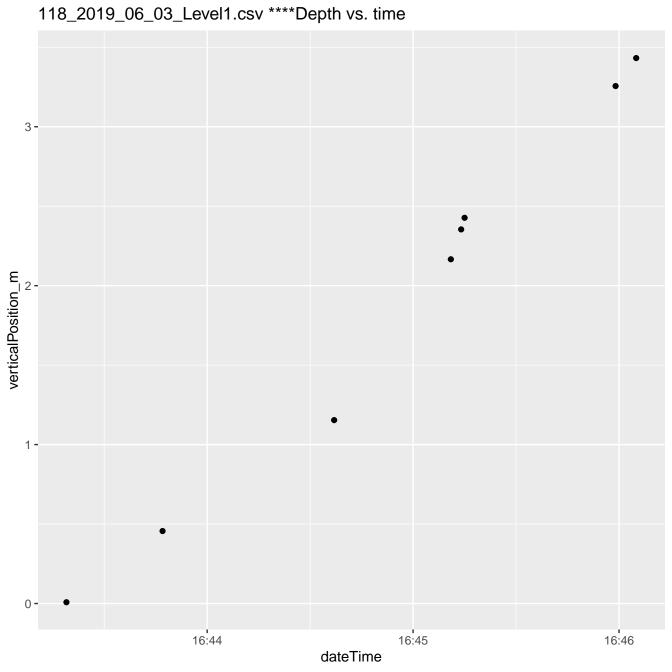


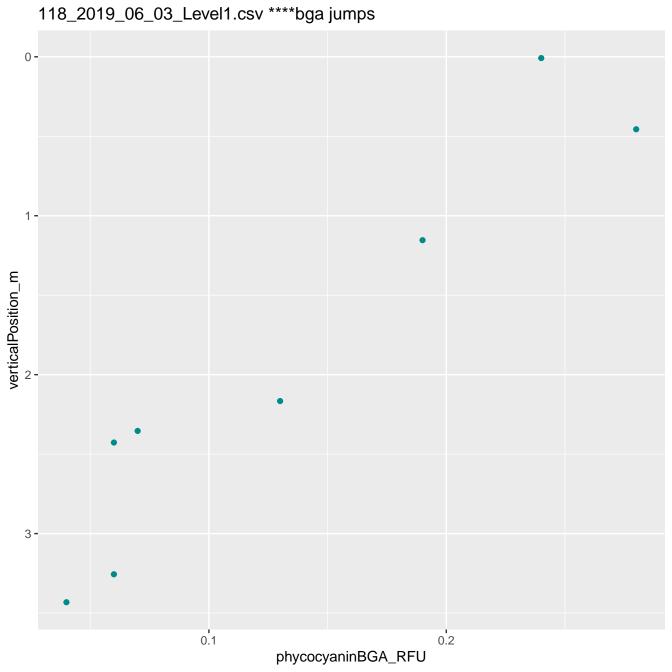


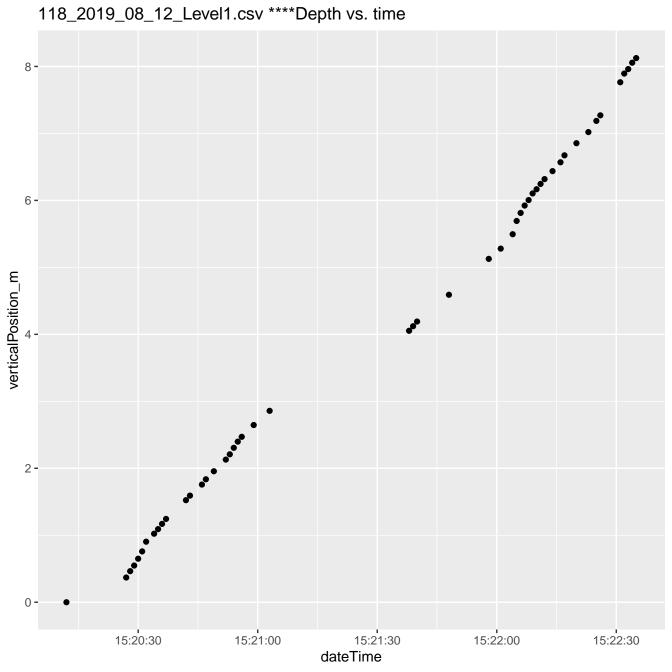




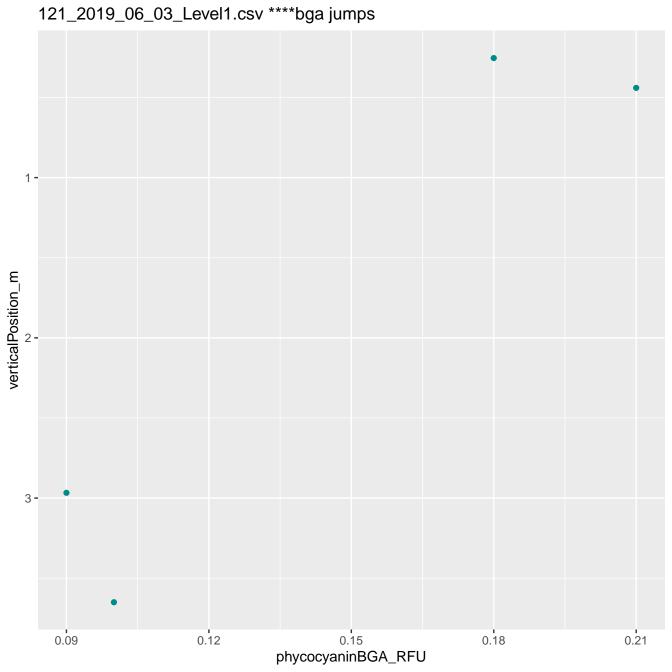


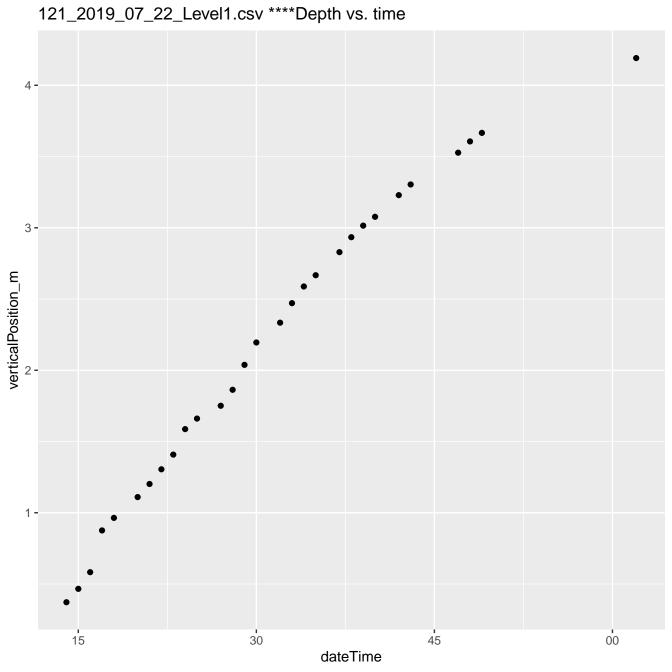


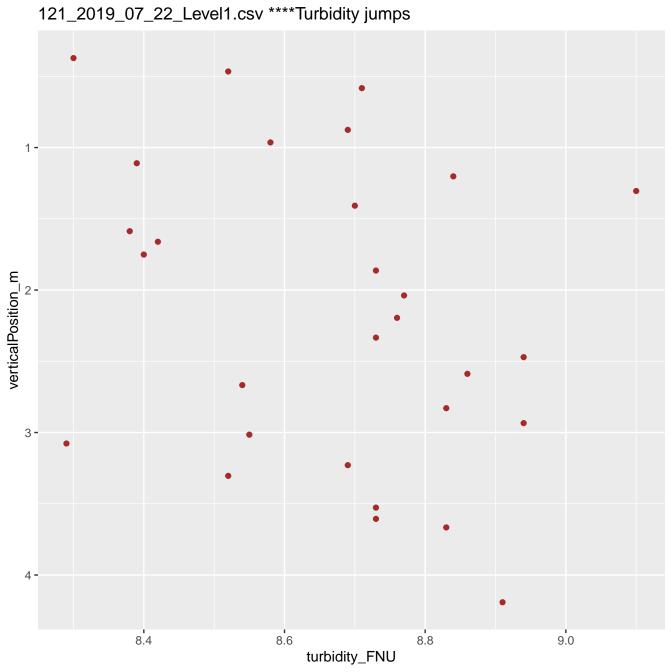


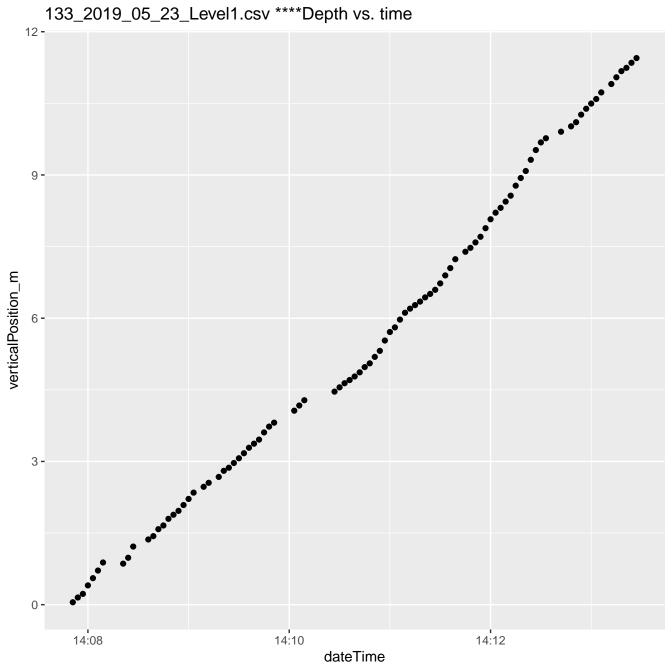


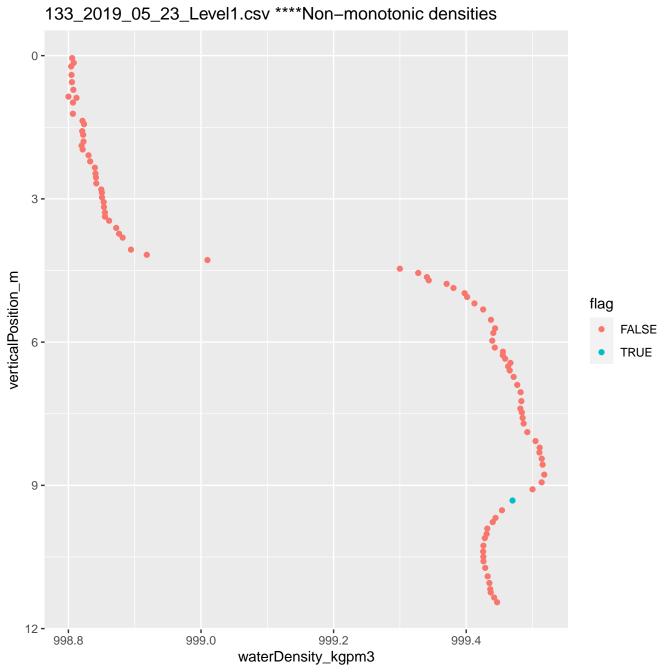
121_2019_06_03_Level1.csv ****Depth vs. time 3 verticalPosition_m 1 -11:14:30 11:15:00 11:16:00 11:16:30 11:15:30 dateTime

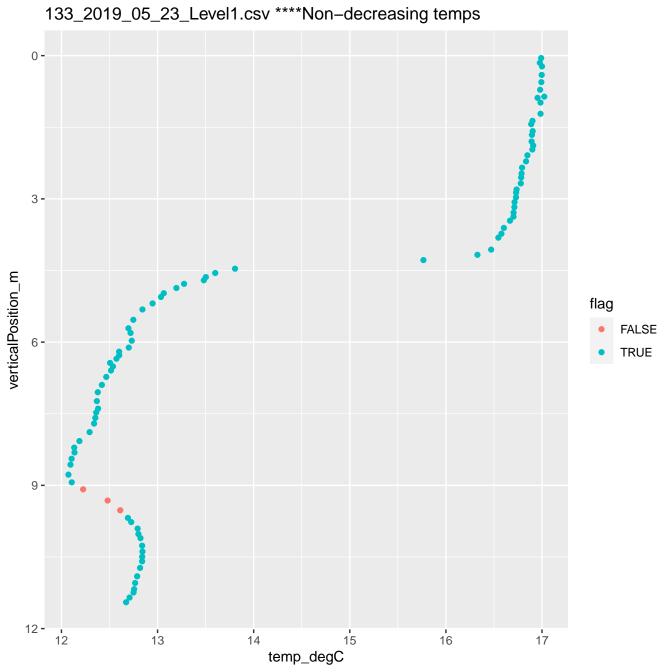


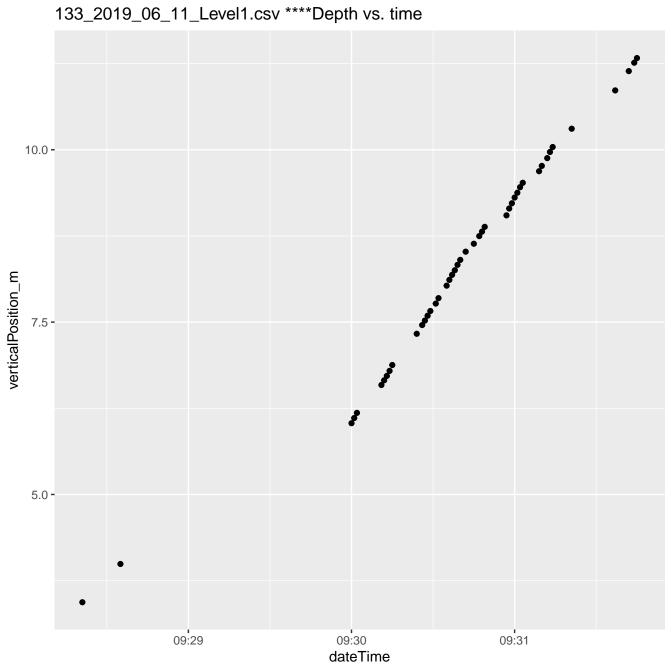








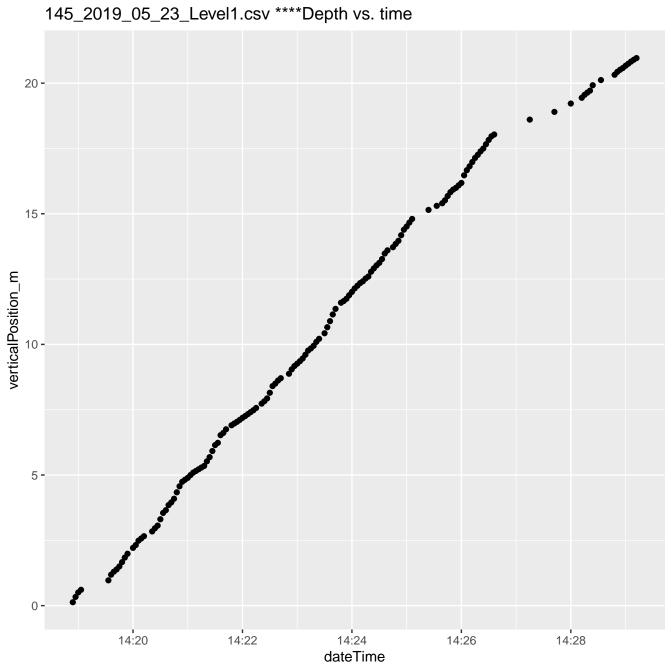


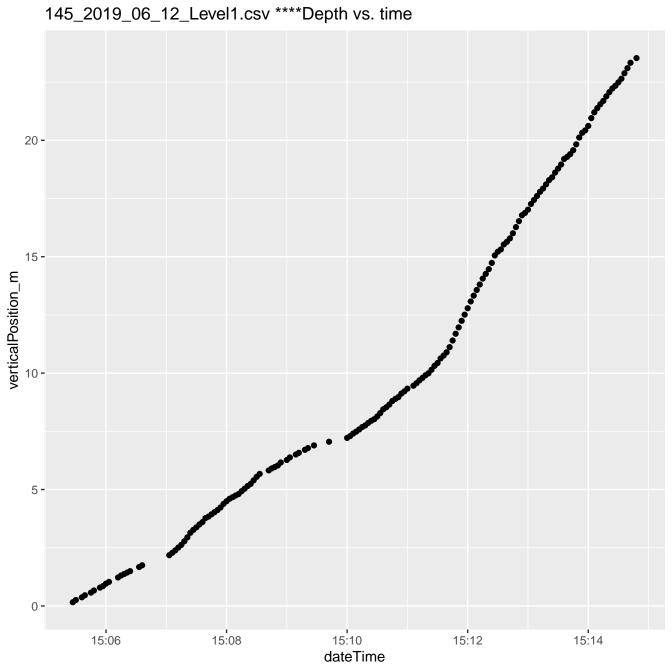


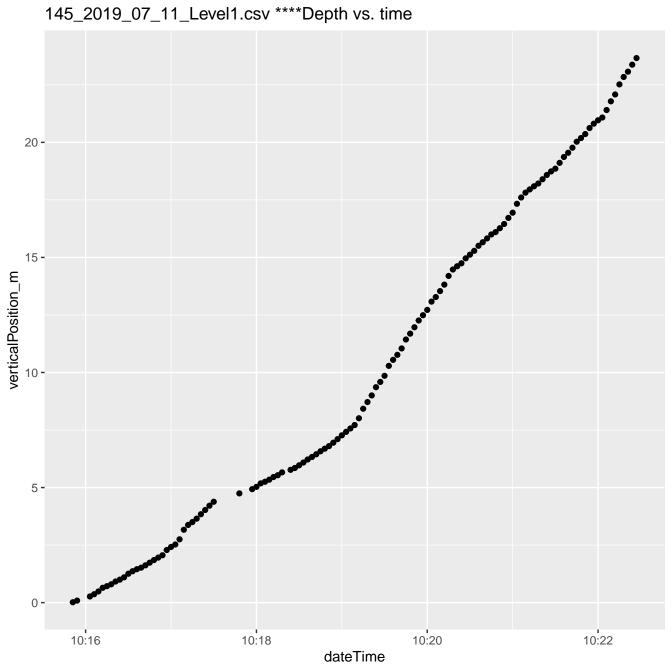
133_2019_07_10_Level1.csv ****Depth vs. time 12.5 **-**10.0 -7.5 verticalPosition_m 5.0 -2.5 -0.0 -08:54 08:56 08:58

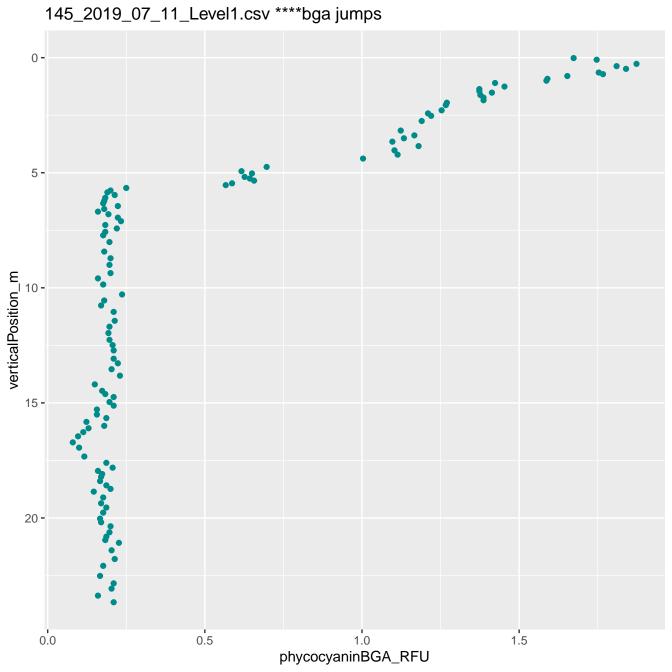
 ${\it dateTime}$

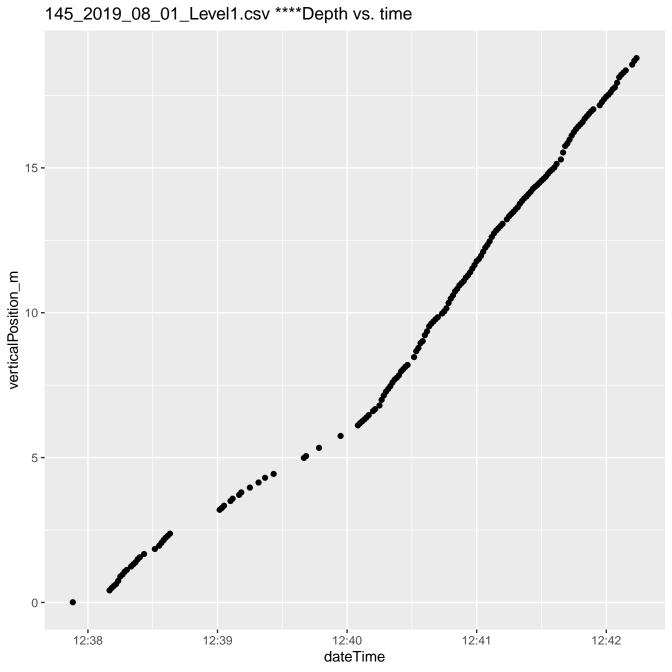
133_2019_07_10_Level1.csv ****Turbidity jumps 0.0 -2.5 verticalPosition_m 5.0 -7.5 **-**10.0 -12.5 **-**50 75 100 125 turbidity_FNU

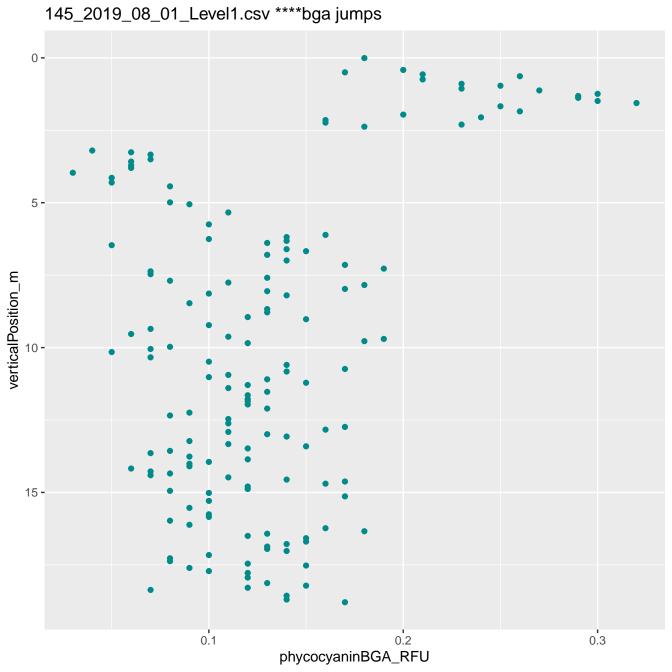


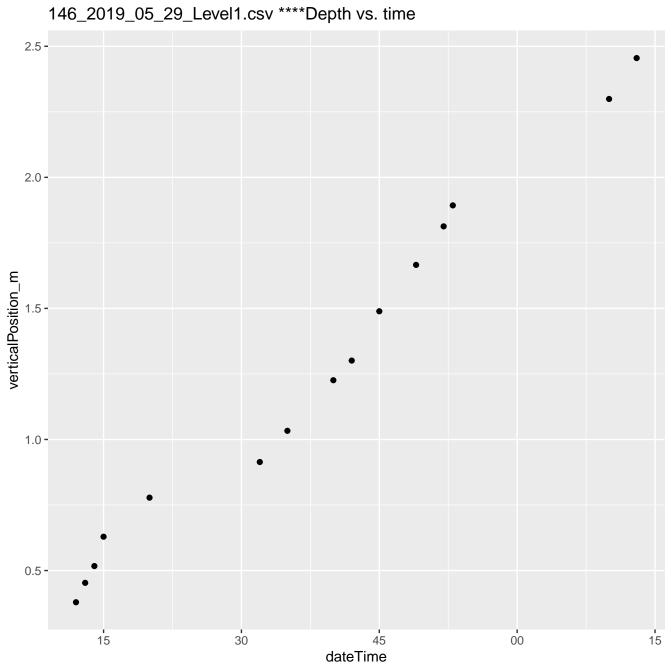


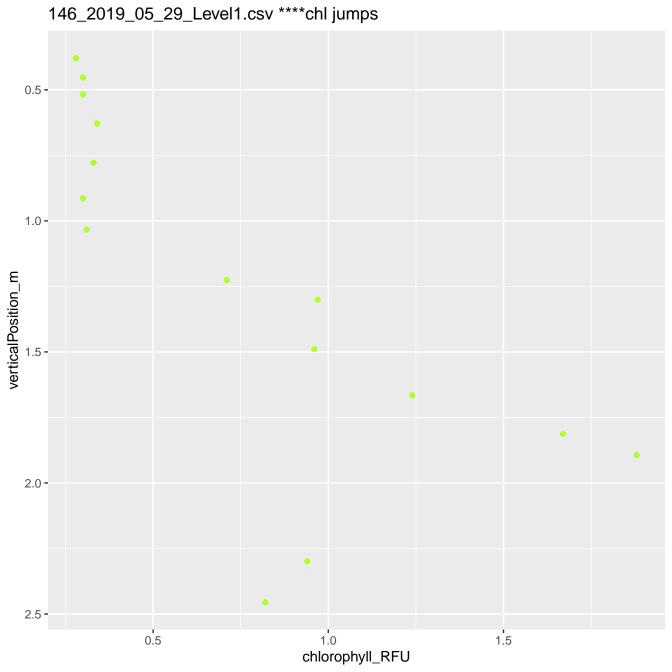


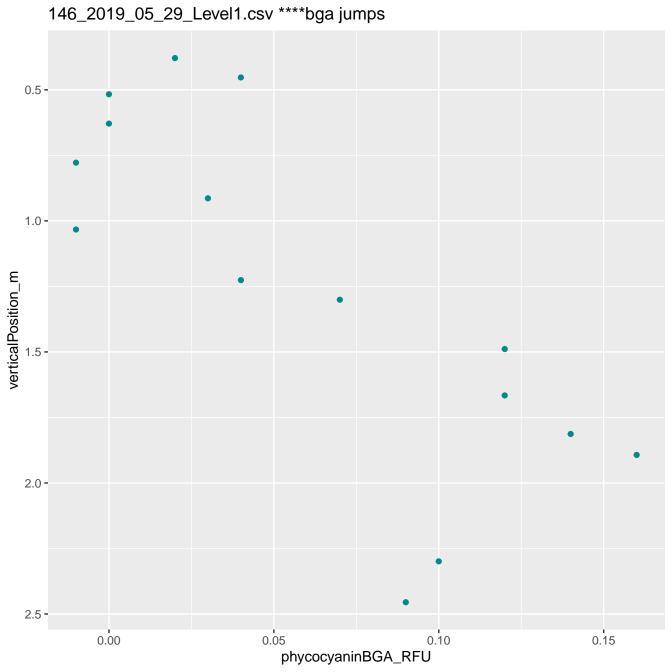


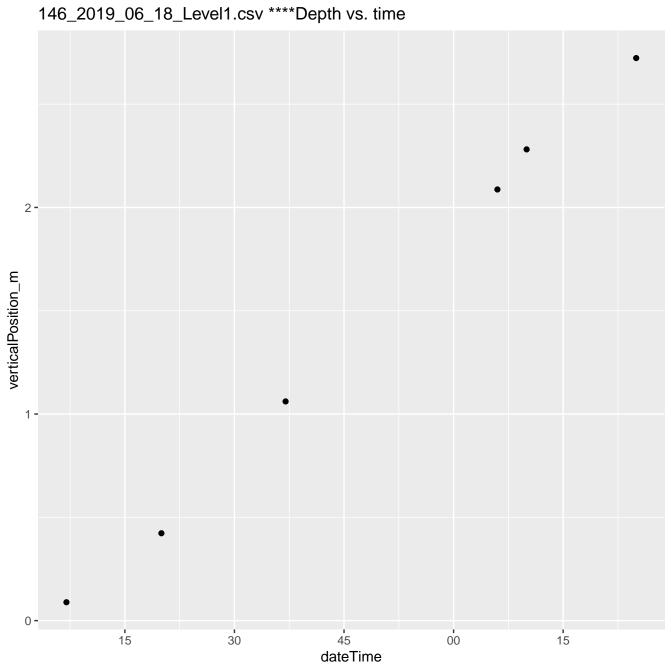


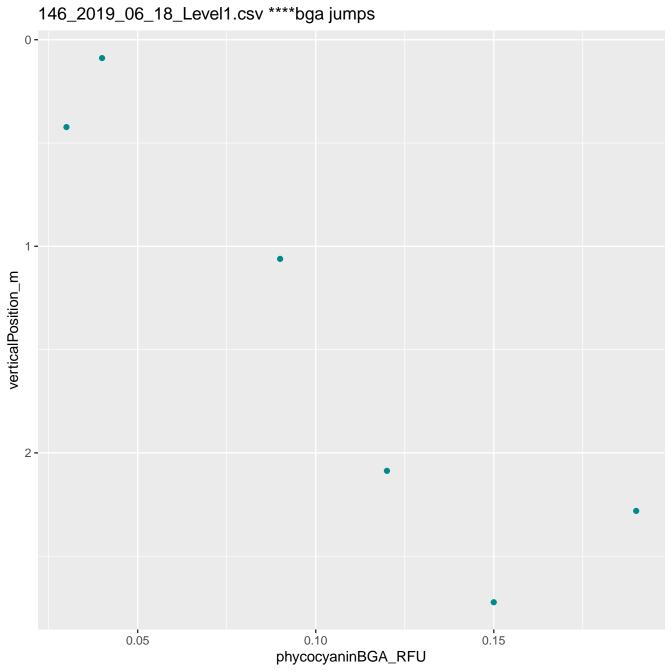


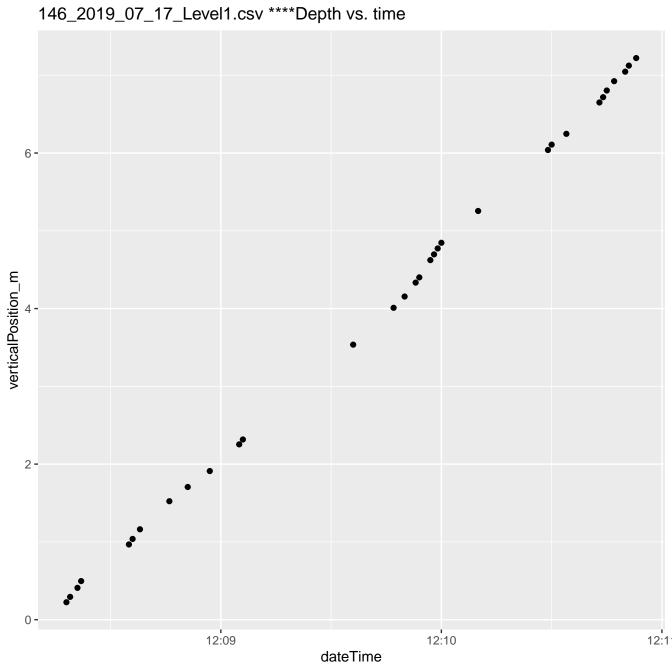


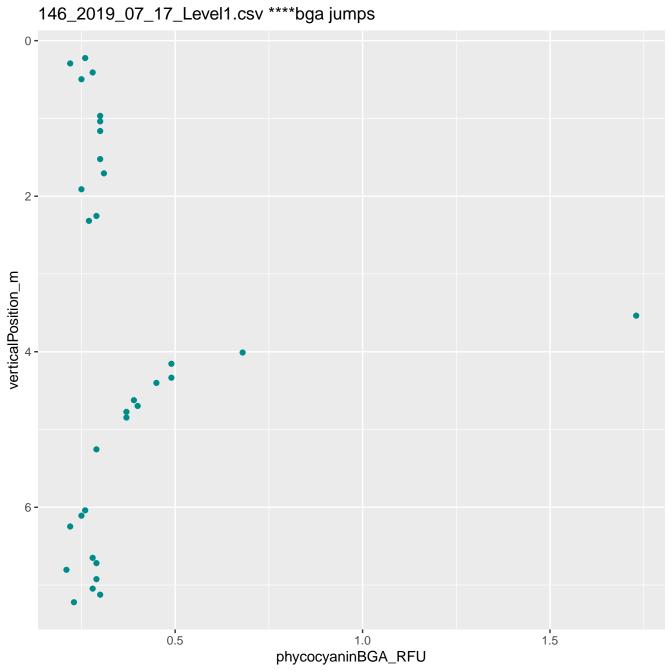


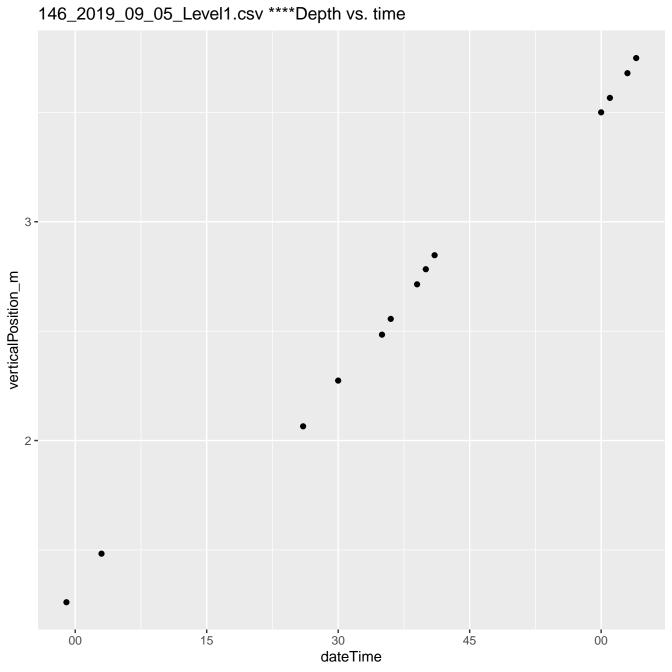


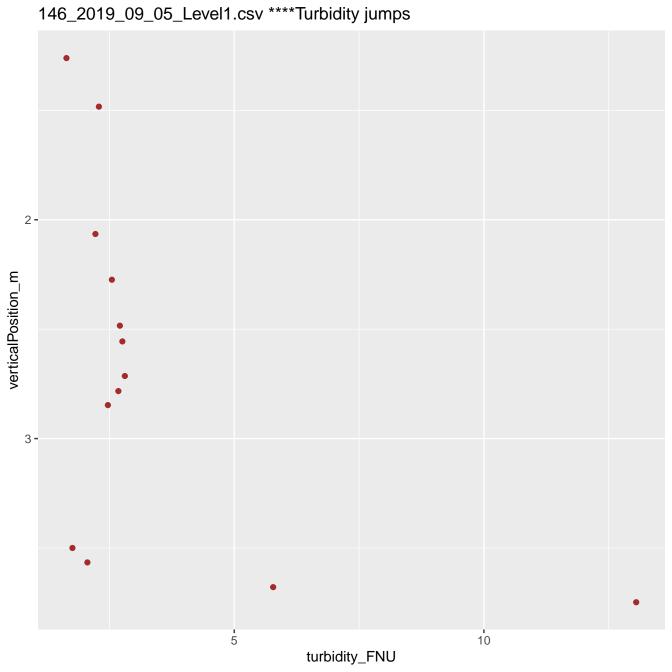


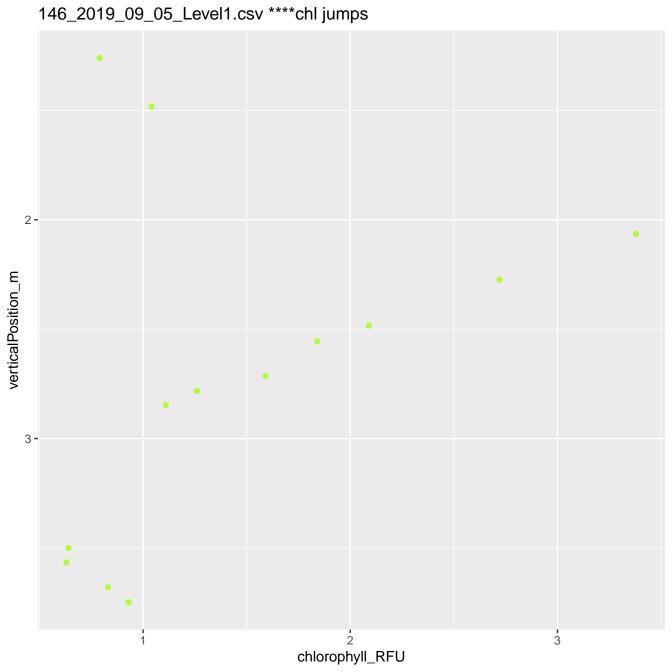


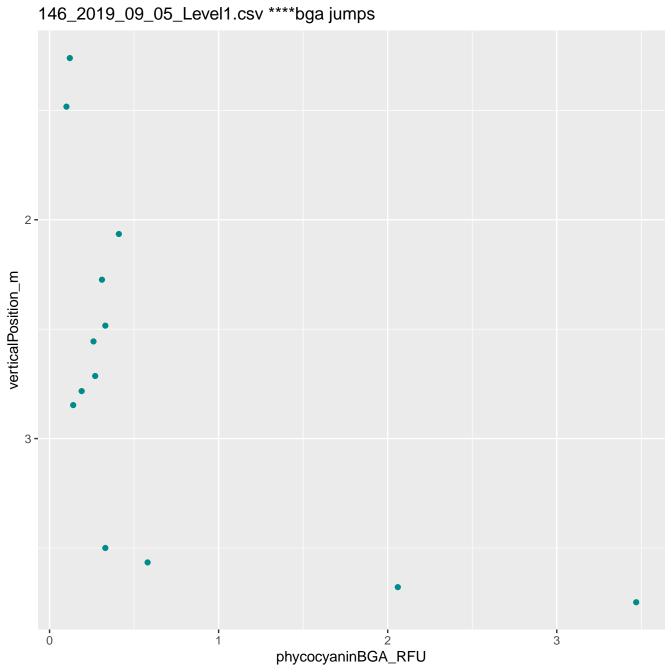


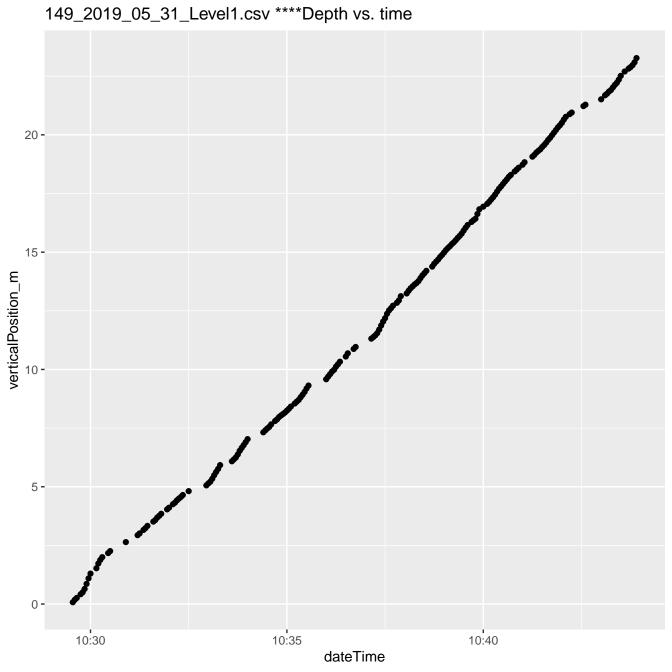


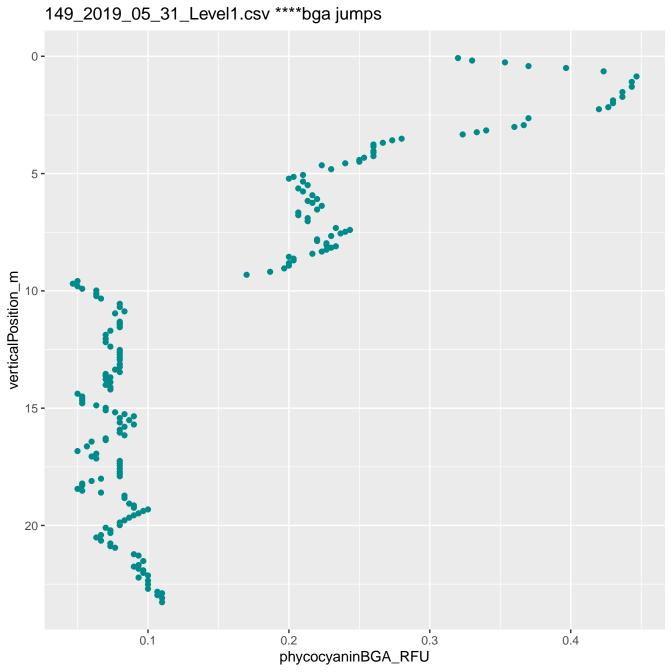


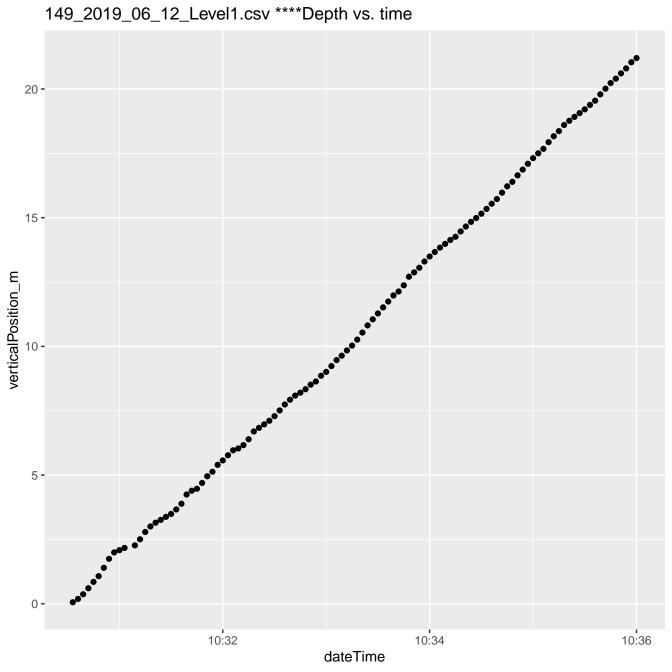


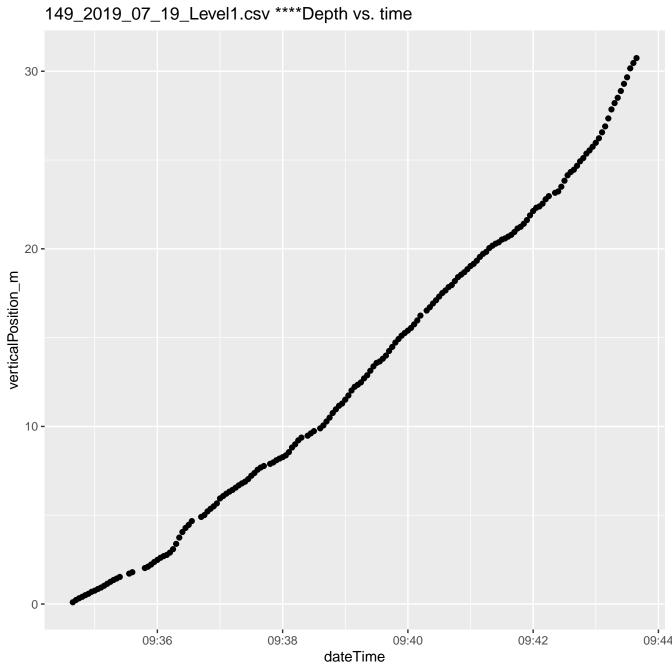


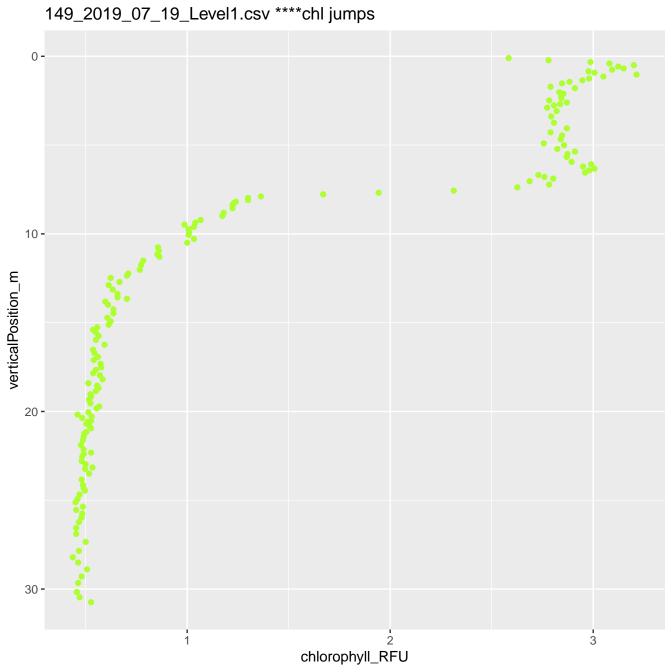


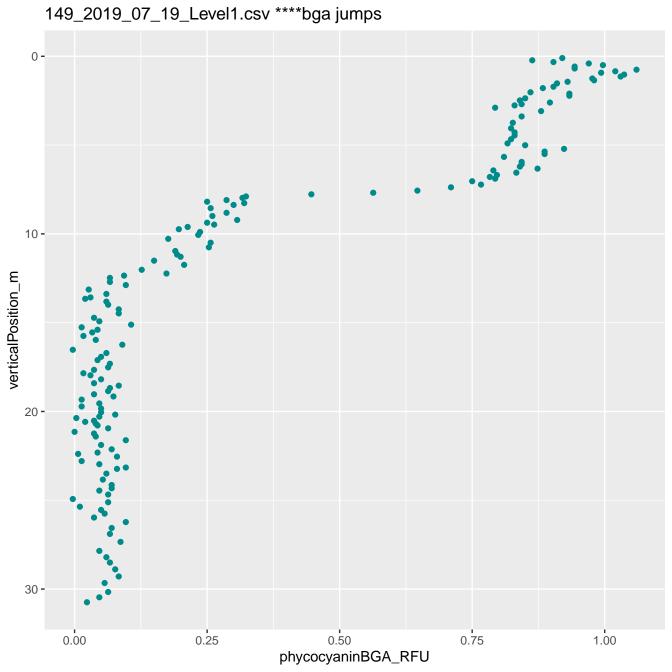


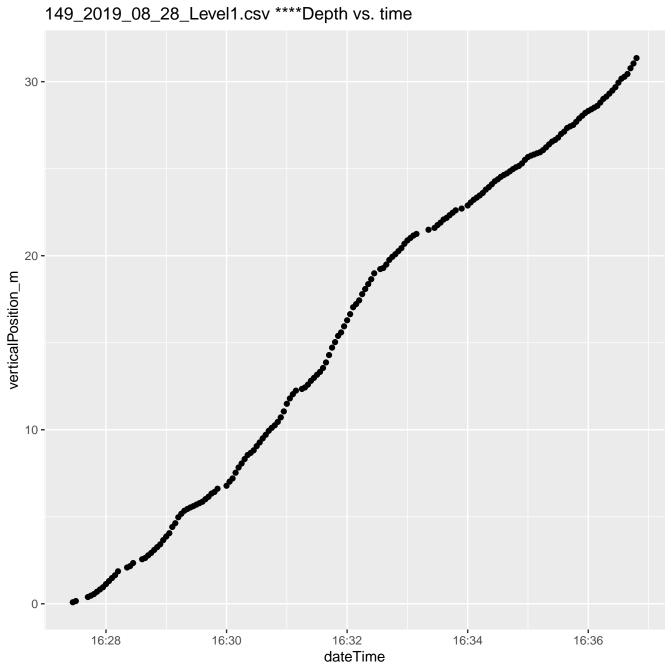


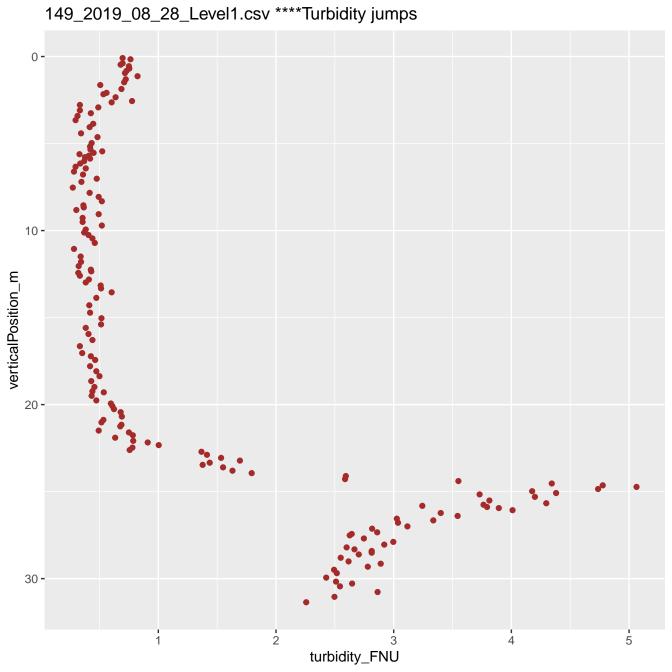


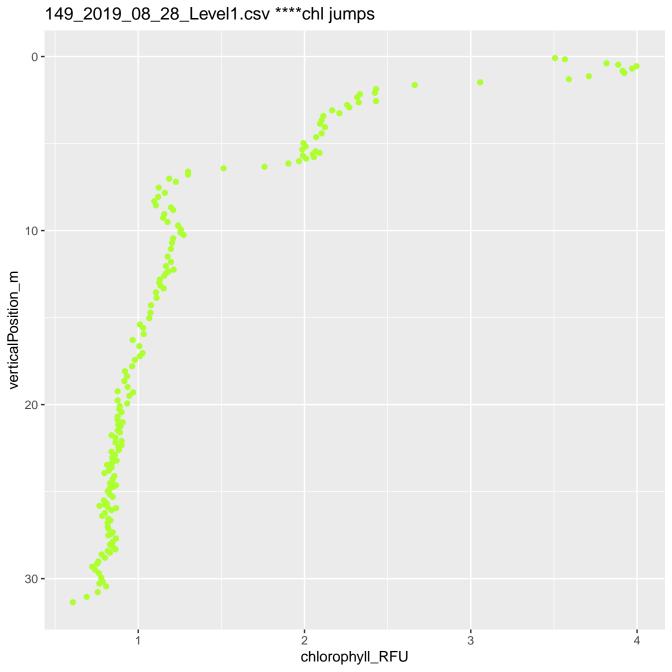


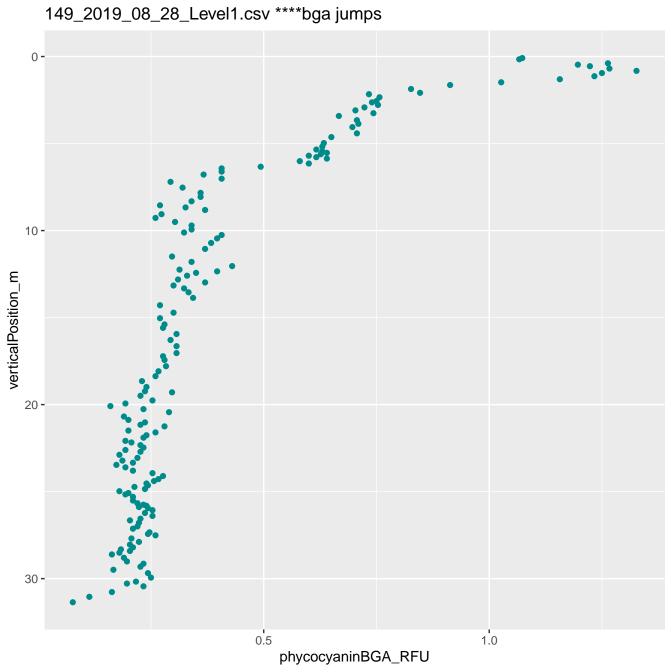




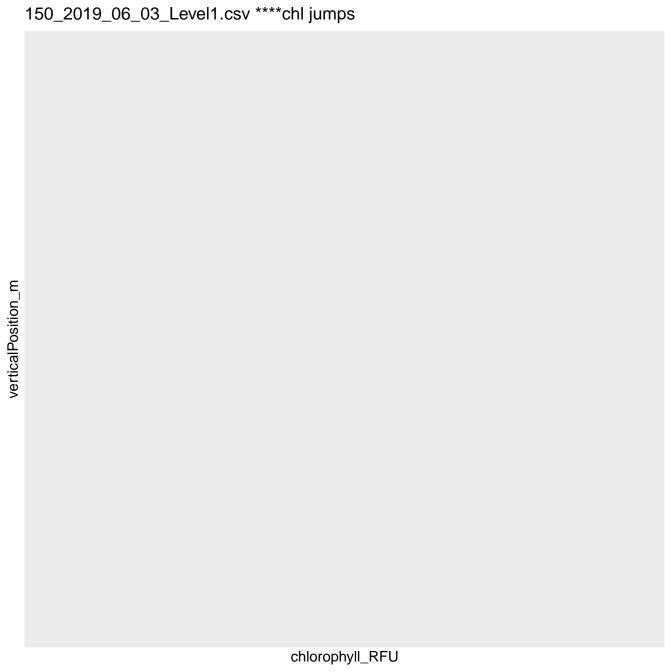


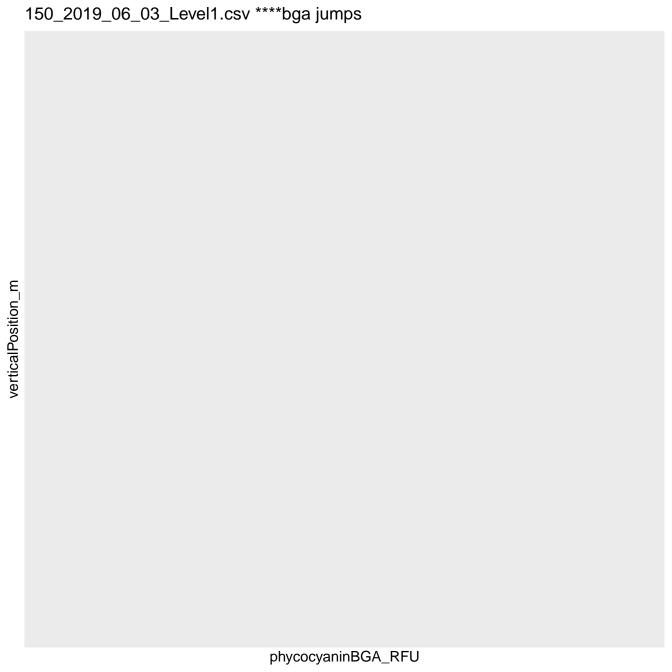


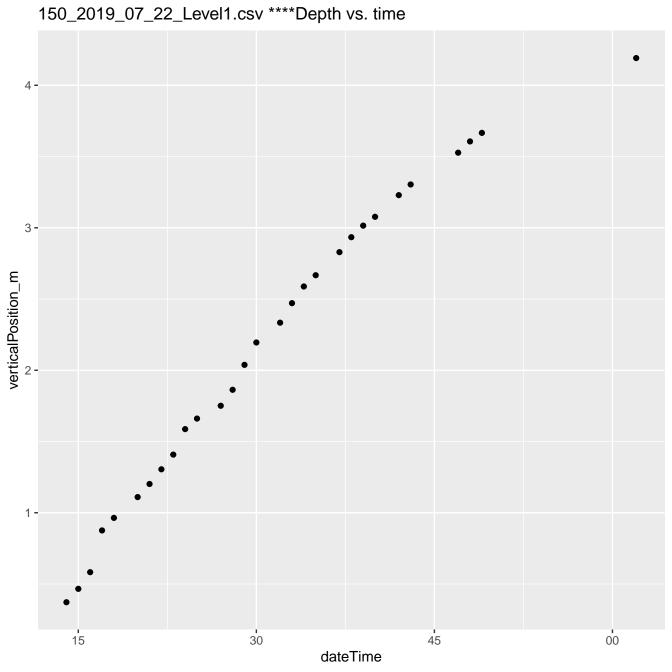


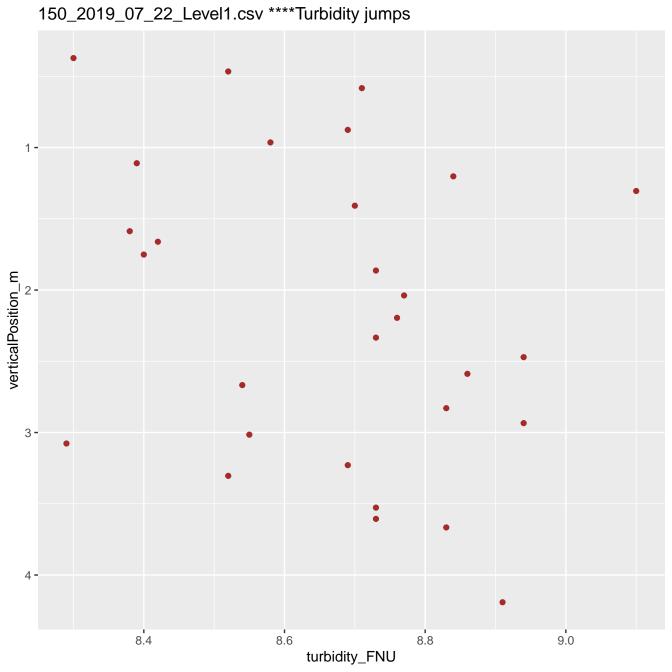


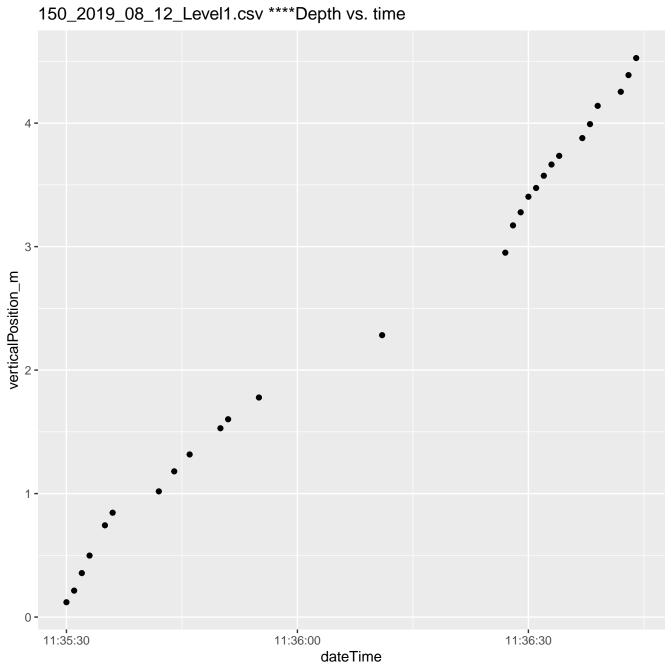


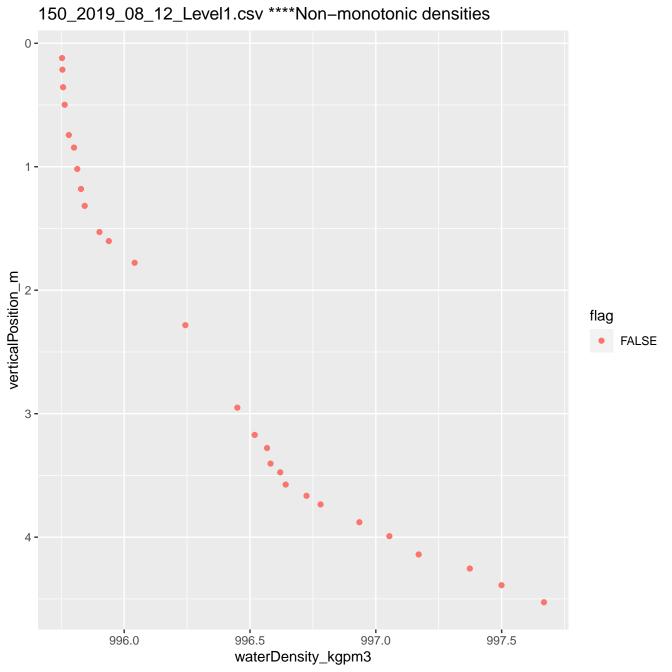


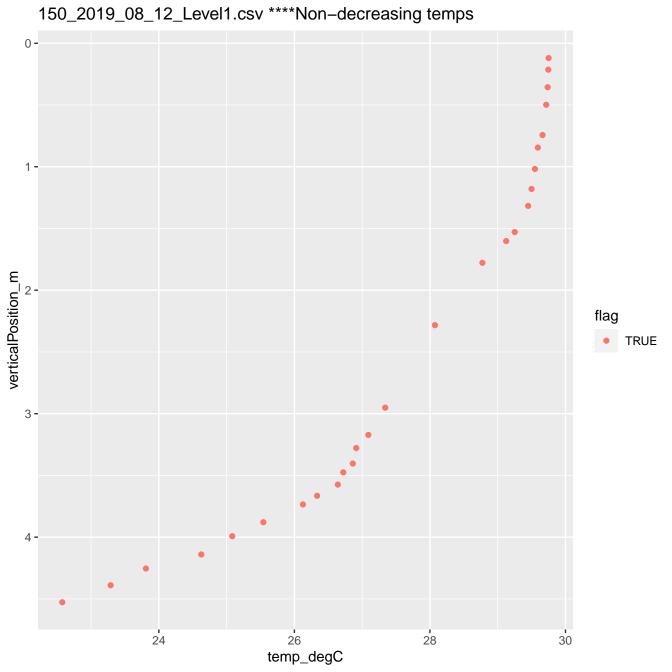


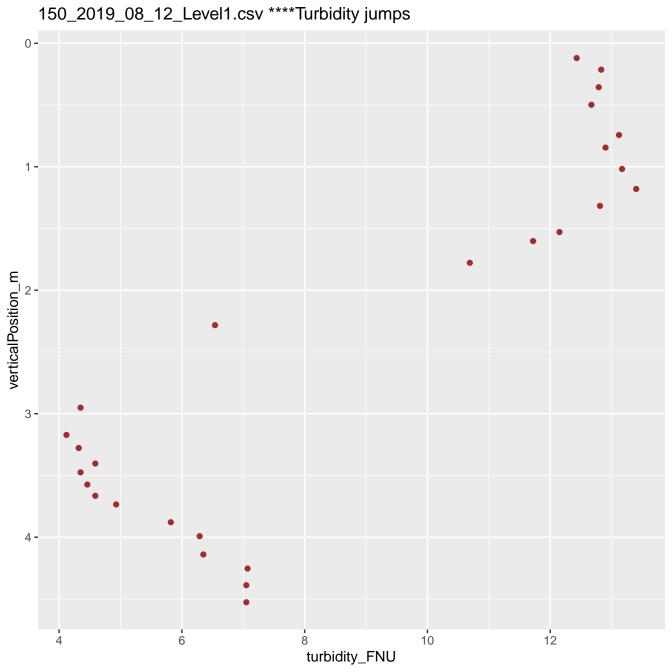


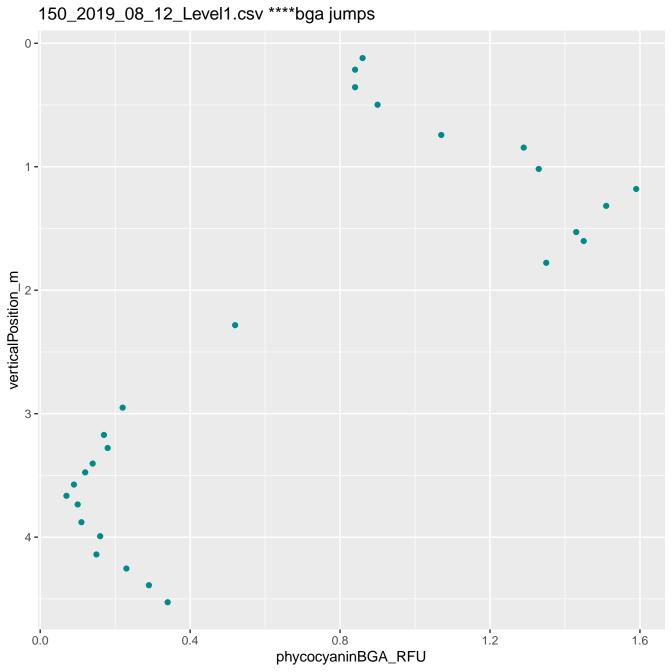


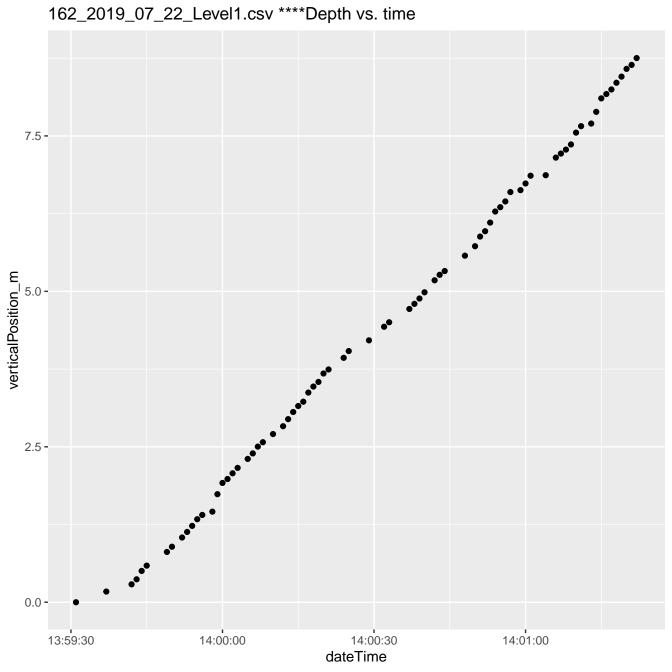


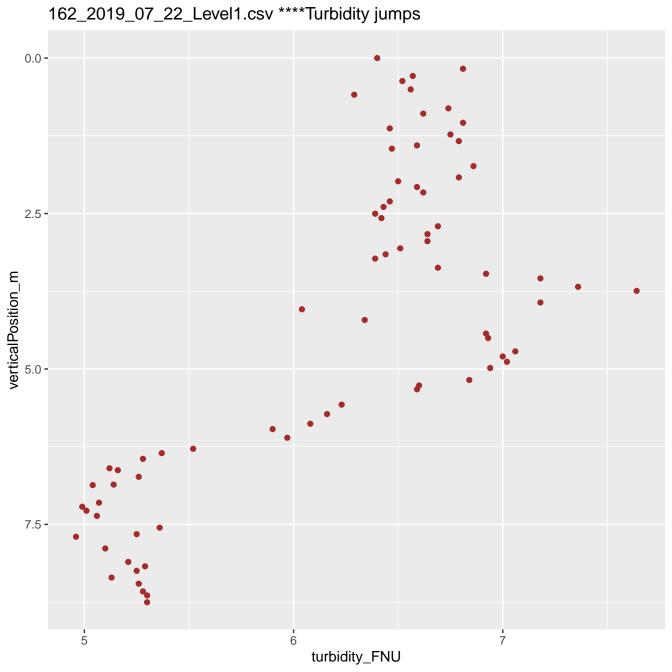


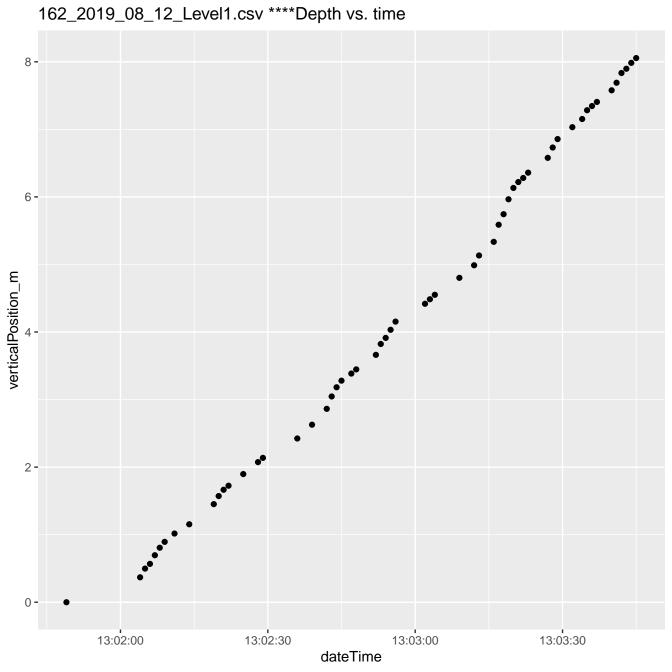


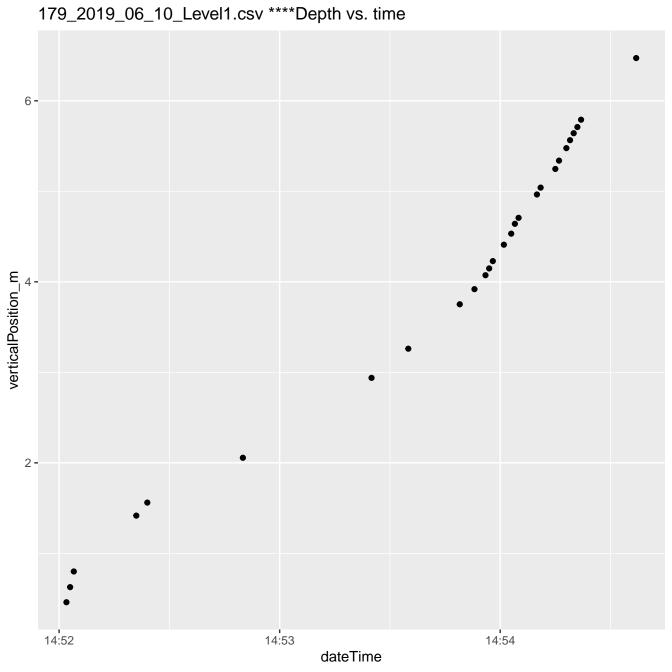


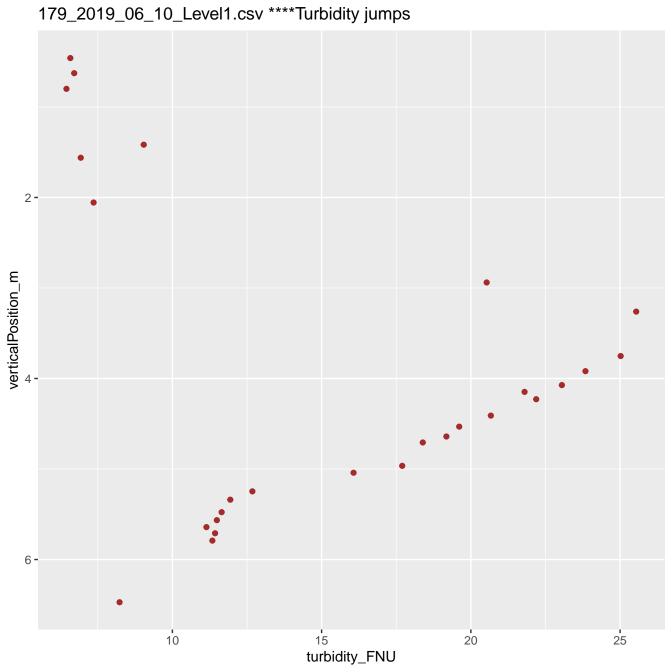


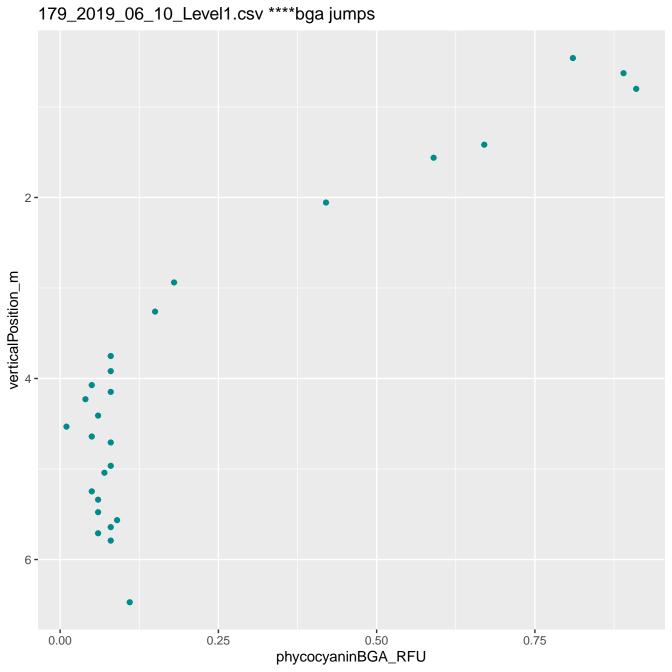


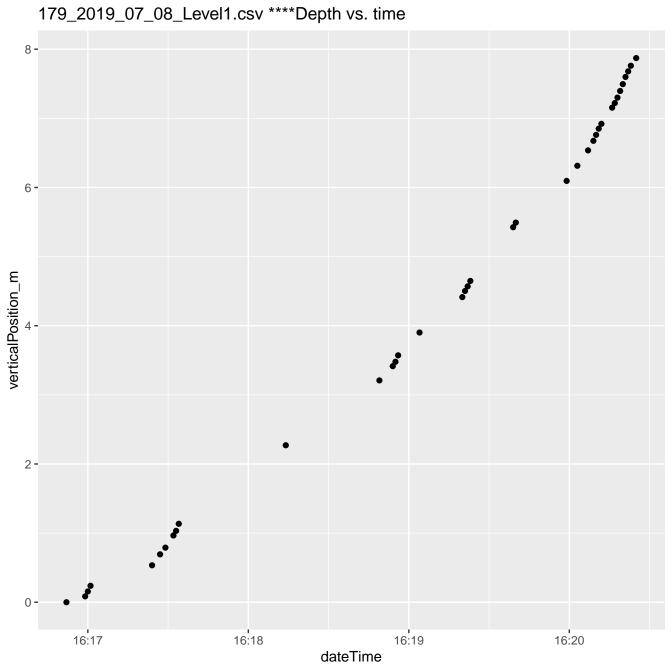


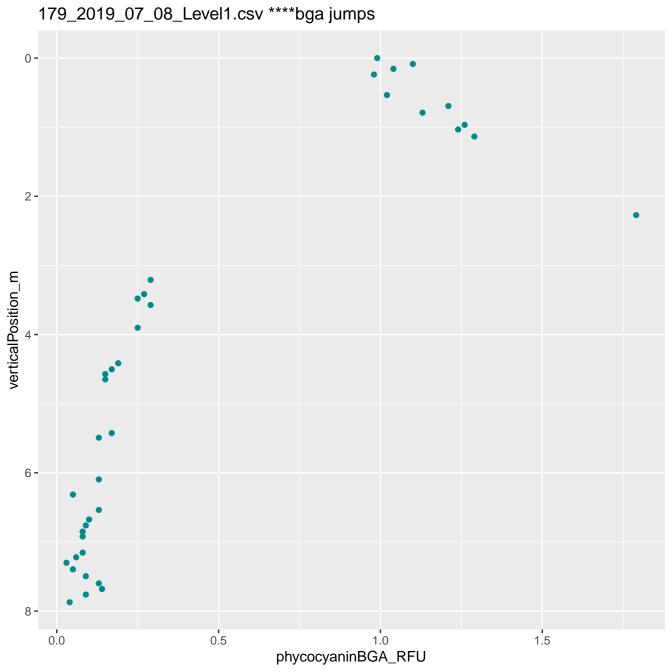


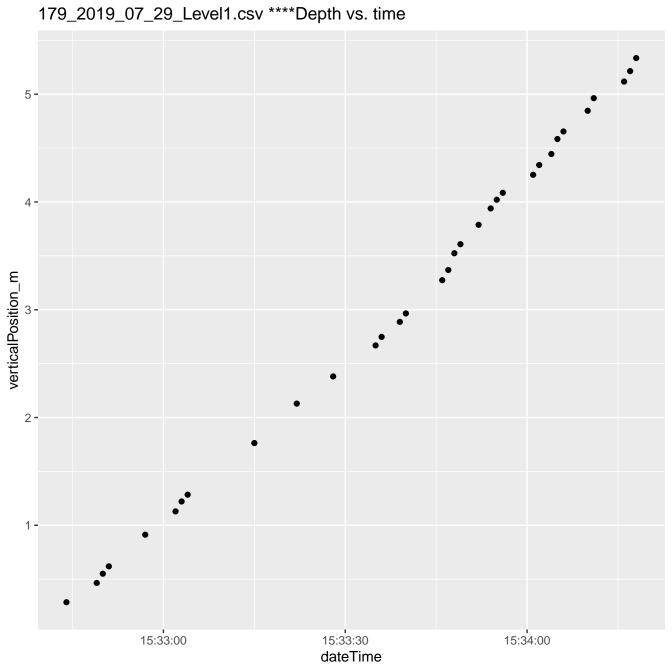


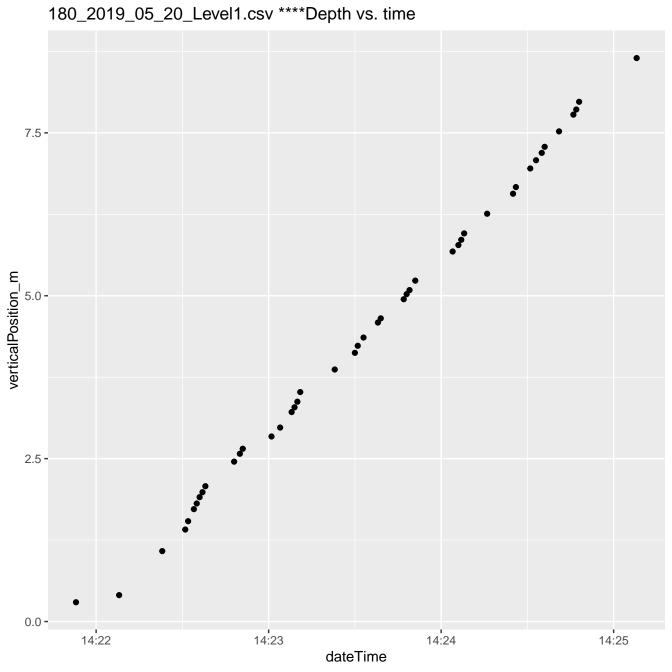


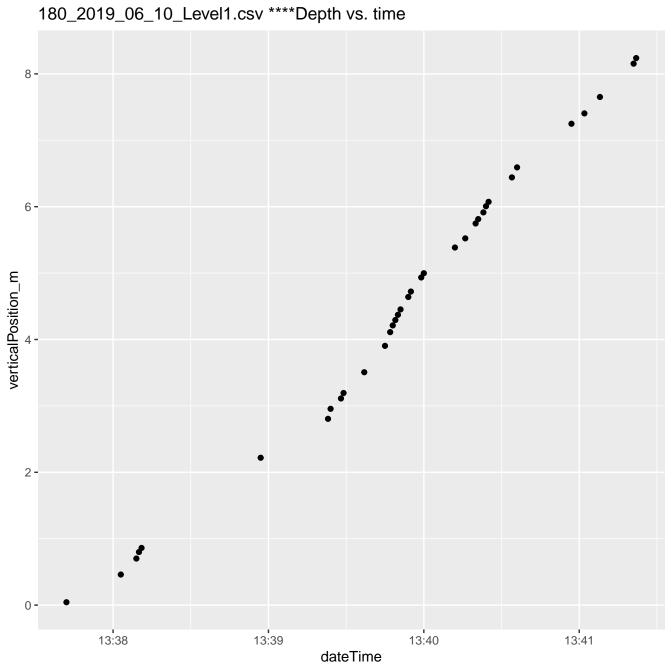


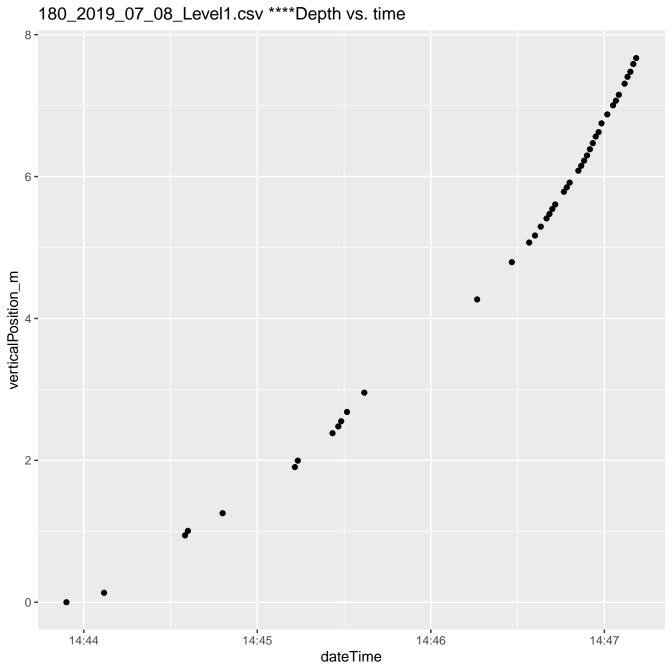


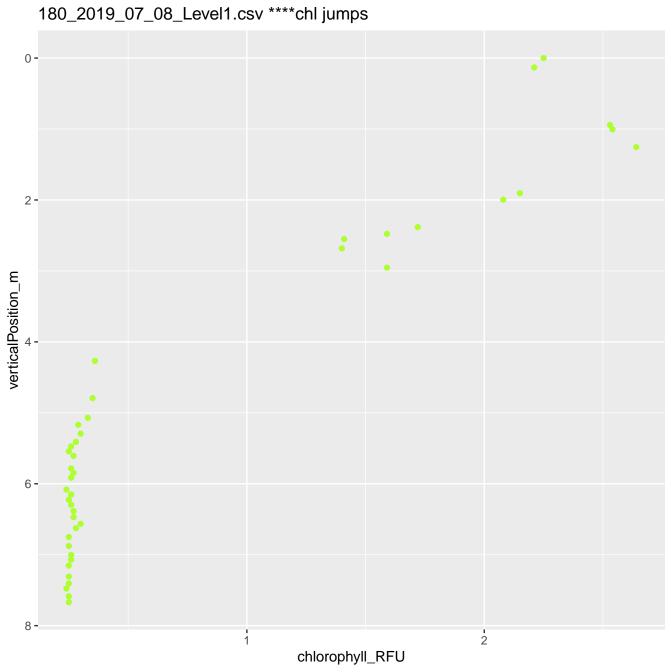


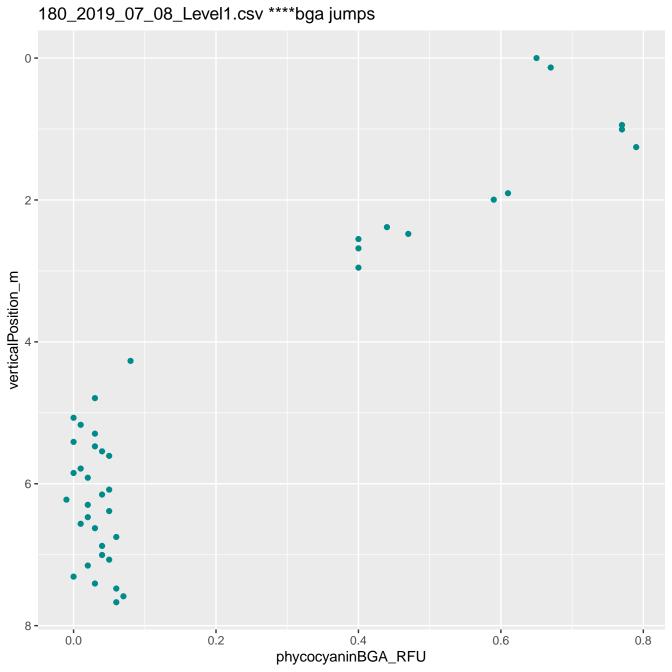


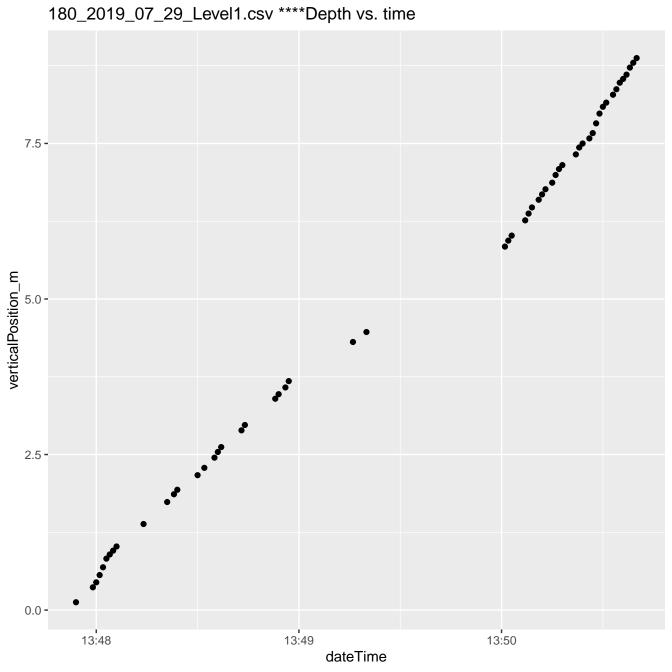




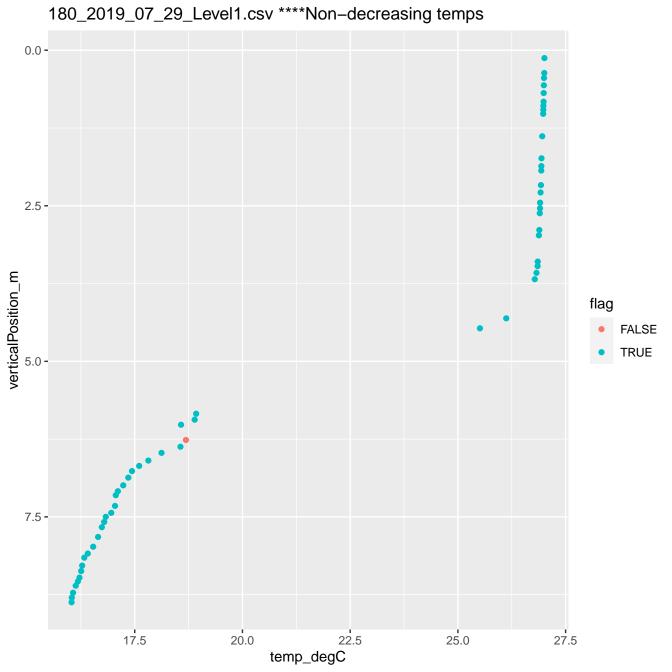


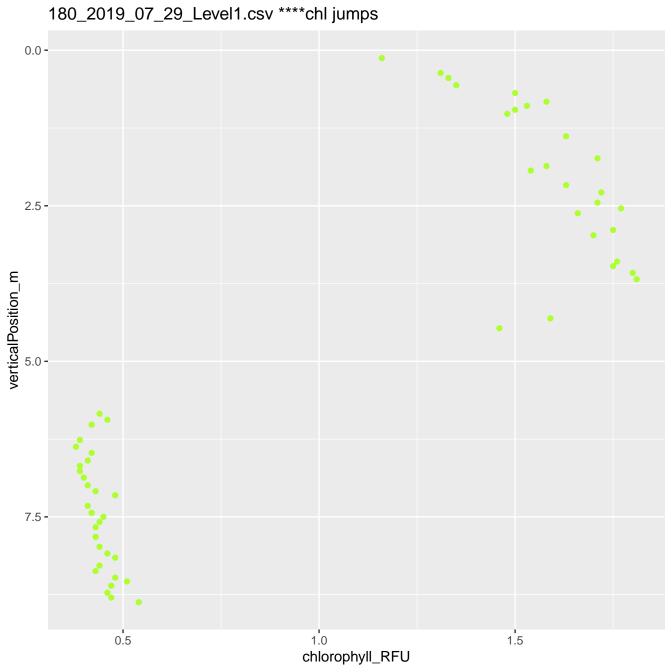


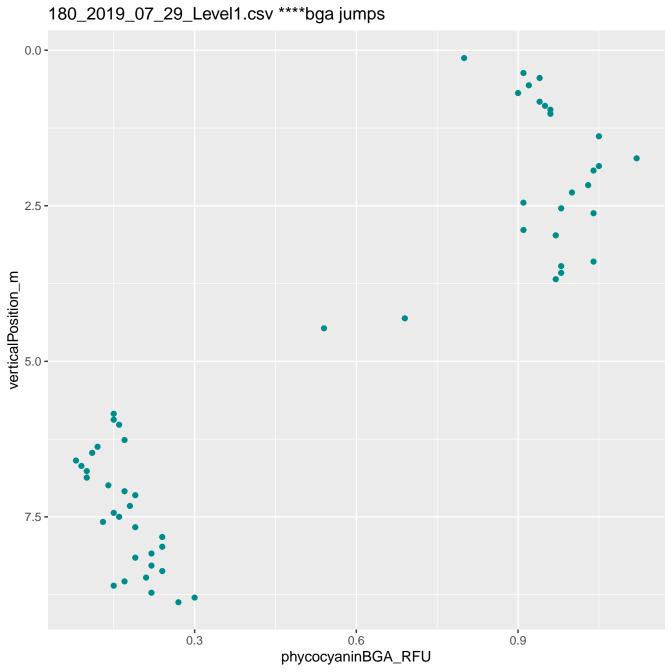


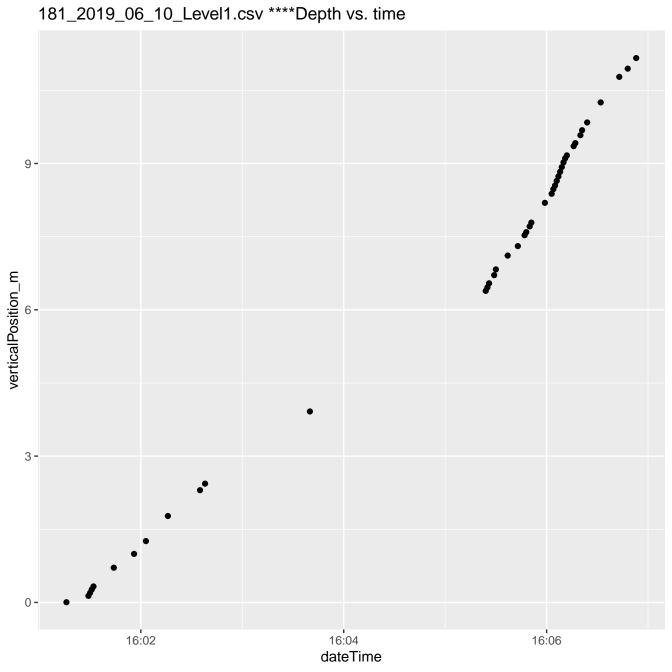


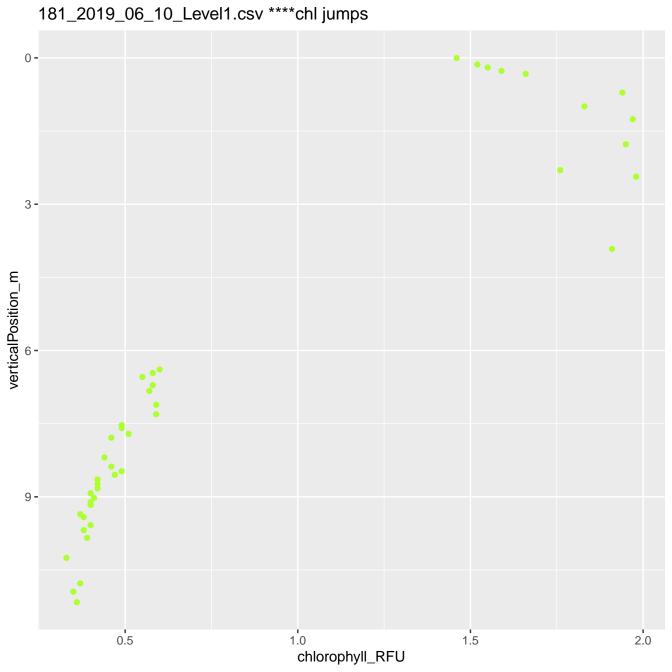
180_2019_07_29_Level1.csv ****Non-monotonic densities 0.0 -2.5 verticalPosition_m flag **FALSE TRUE** 7.5 **-**997.0 997.5 998.0 998.5 996.5 999.0 waterDensity_kgpm3











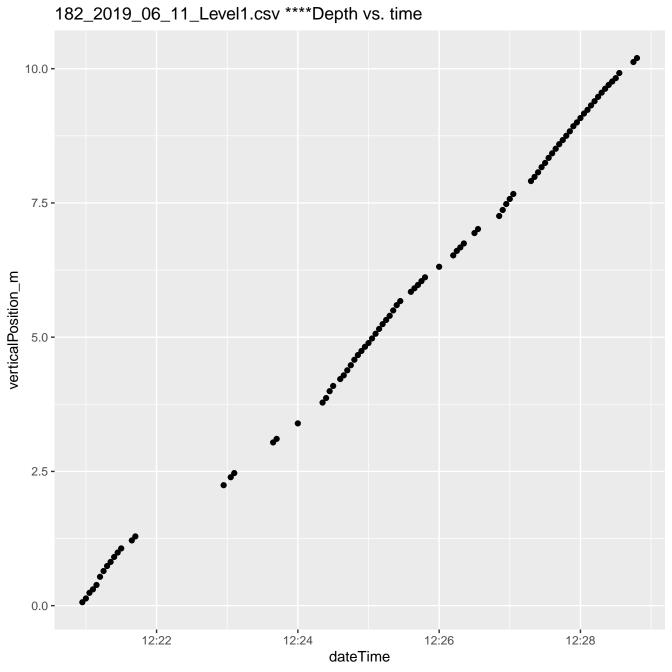
181_2019_07_08_Level1.csv ****Depth vs. time 10.0 -7.5 verticalPosition_m 5.0 **-**2.5 -0.0 -17:49 17:50 17:51 17:48 dateTime

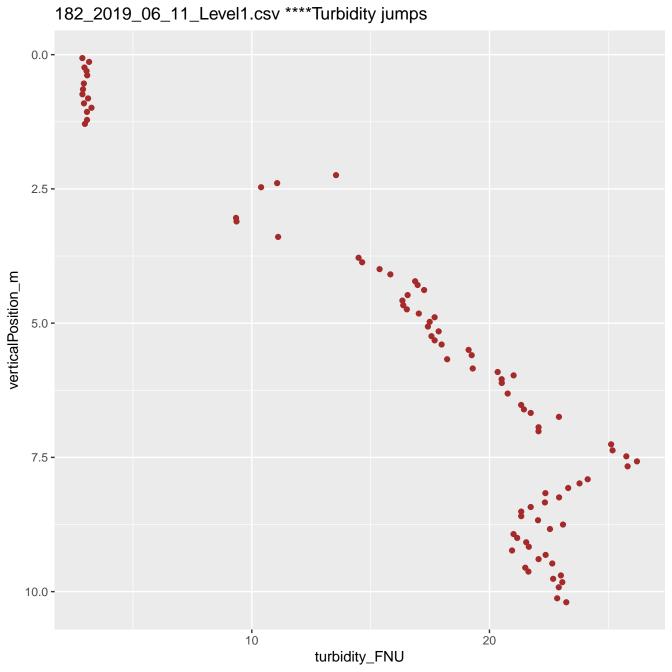
181_2019_07_08_Level1.csv ****bga jumps 0.0 -2.5 verticalPosition_m 5.0 -7.5 **-**10.0 -0.00 0.25 0.50 0.75 phycocyaninBGA_RFU

181_2019_07_29_Level1.csv ****Depth vs. time 10.0 -7.5 verticalPosition_m 5.0 **-**2.5 -0.0 -17:06 17:07 17:05 dateTime

181_2019_07_29_Level1.csv ****chl jumps 0.0 -2.5 verticalPosition_m 5.0 **-**7.5 **-**10.0 -3 chlorophyll_RFU

181_2019_07_29_Level1.csv ****bga jumps 0.0 -2.5 verticalPosition_m 5.0 **-**7.5 **-**10.0 -0.2 0.6 0.4 phycocyaninBGA_RFU





182_2019_06_11_Level1.csv ****chl jumps 0.0 -2.5 verticalPosition_m 5.0 **-**7.5 **-**10.0 -2 chlorophyll_RFU

182_2019_06_11_Level1.csv ****bga jumps 0.0 -2.5 verticalPosition_m 5.0 **-**7.5 **-**10.0 -0.1 0.2 0.3 0.4 0.5 phycocyaninBGA_RFU

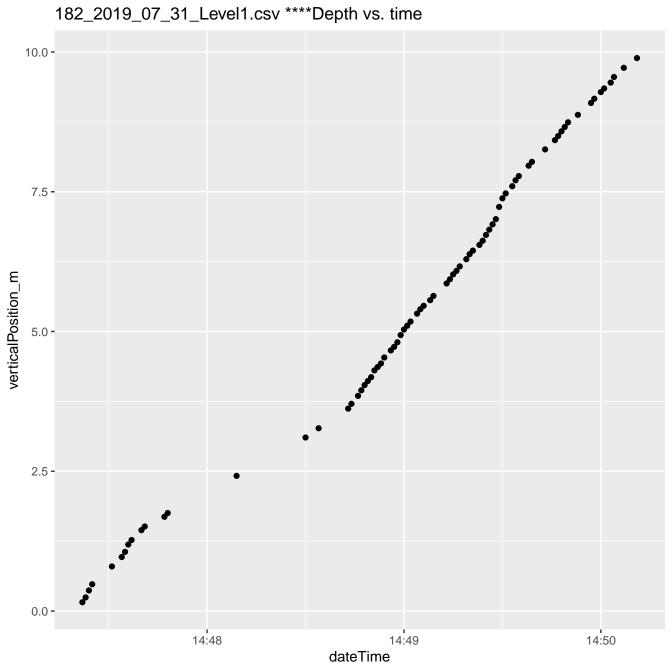
182_2019_07_09_Level1.csv ****Depth vs. time 10.0 -7.5 verticalPosition_m 5.0 **-**2.5 -0.0 -13:49 13:50 13:51 13:52 ${\it dateTime}$

182_2019_07_09_Level1.csv ****Turbidity jumps 0.0 -2.5 verticalPosition_m 5.0 -7.5 **-**10.0 -5 10 turbidity_FNU 15 20

182_2019_07_09_Level1.csv ****chl jumps 0.0 -2.5 verticalPosition_m 5.0 **-**7.5 -10.0 -10 30 20

chlorophyll_RFU

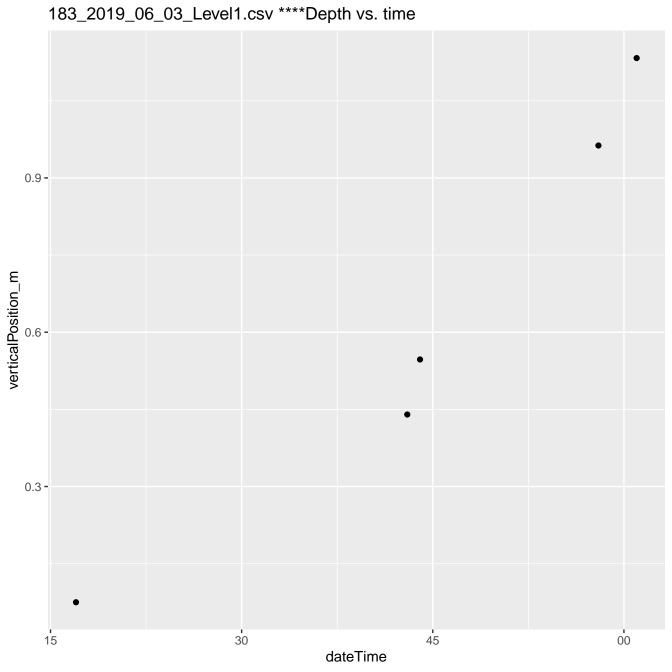
182_2019_07_09_Level1.csv ****bga jumps 0.0 -2.5 verticalPosition_m 5.0 -7.5 **-**10.0 -0.0 5.0 phycocyaninBGA_RFU 2.5 7.5

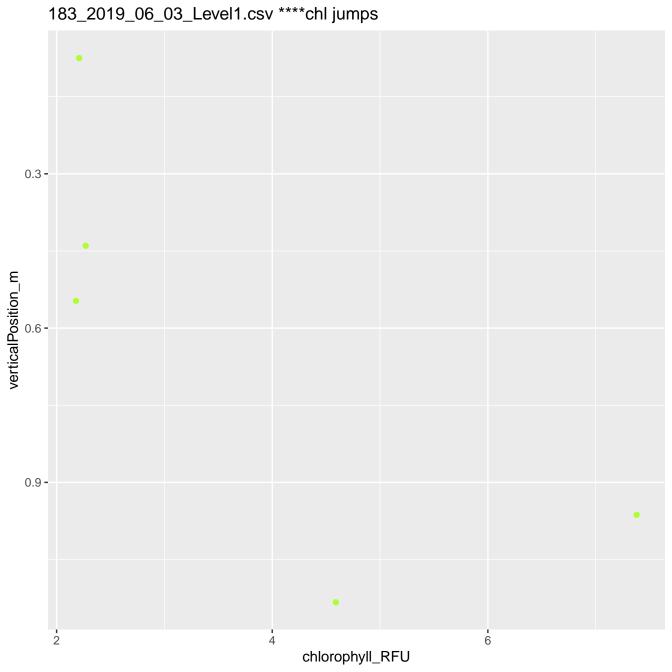


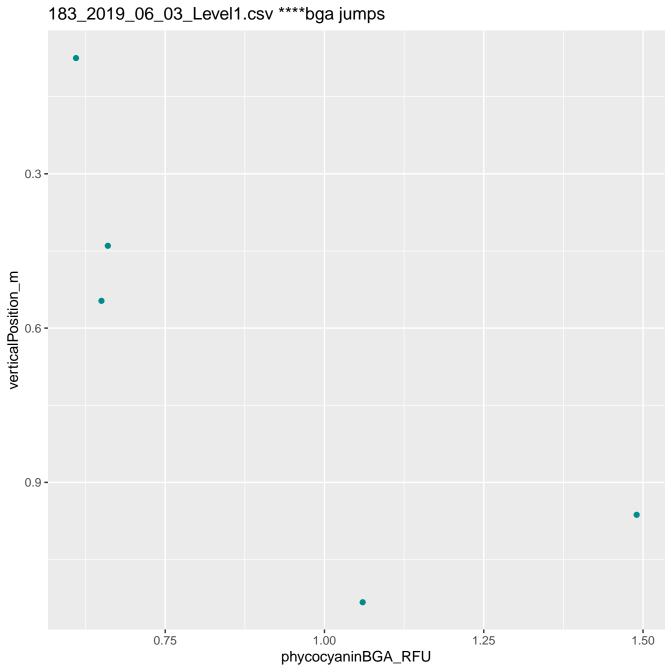
182_2019_07_31_Level1.csv ****Turbidity jumps 0.0 -2.5 verticalPosition_m 5.0 **-**7.5 **-**10.0 -5 10 15 20 turbidity_FNU

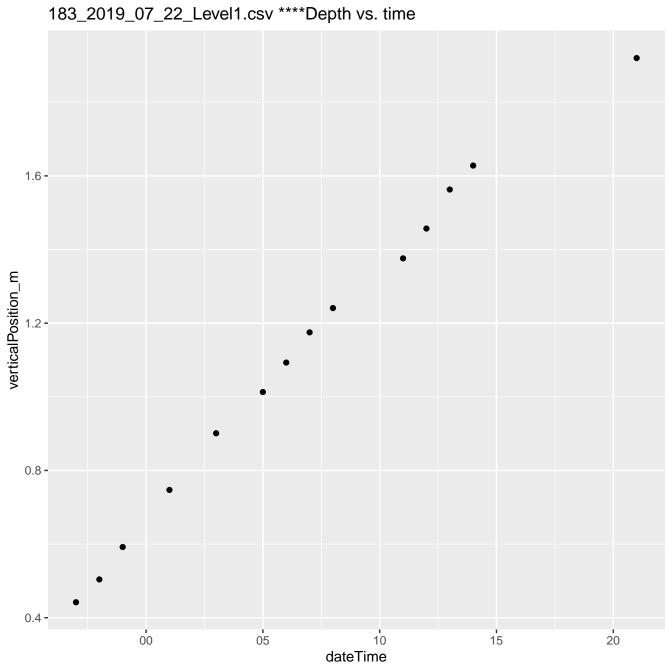
182_2019_07_31_Level1.csv ****chl jumps 0.0 -2.5 -• verticalPosition_m 5.0 **-**7.5 **-**10.0 -10 0 20 30 chlorophyll_RFU

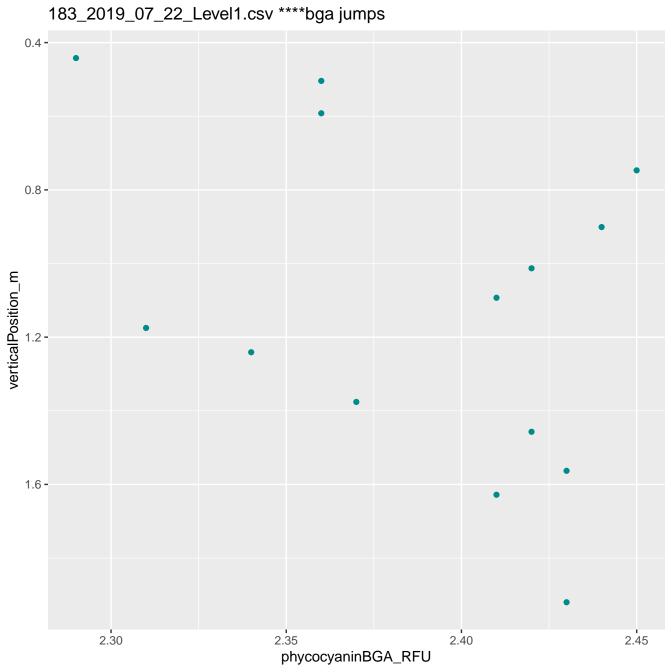
182_2019_07_31_Level1.csv ****bga jumps 0.0 -2.5 verticalPosition_m 5.0 **-**7.5 **-**10.0 -3 9 0 bhycocyaninBGA_RFU

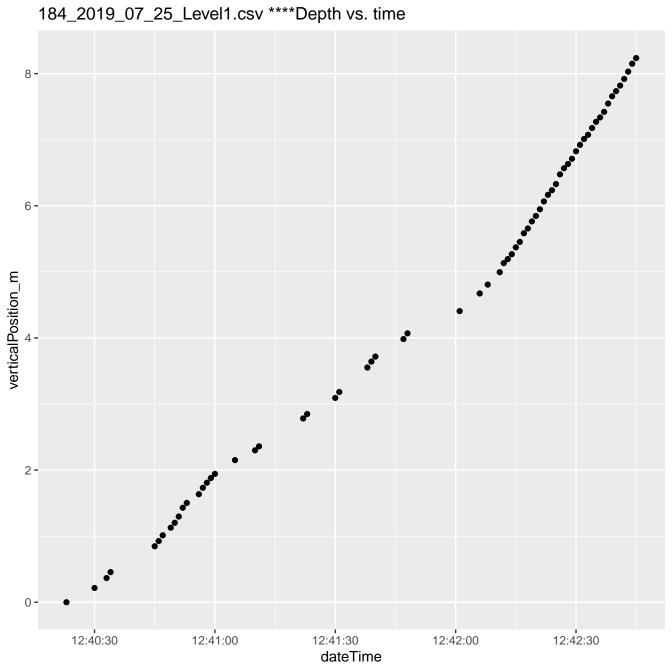


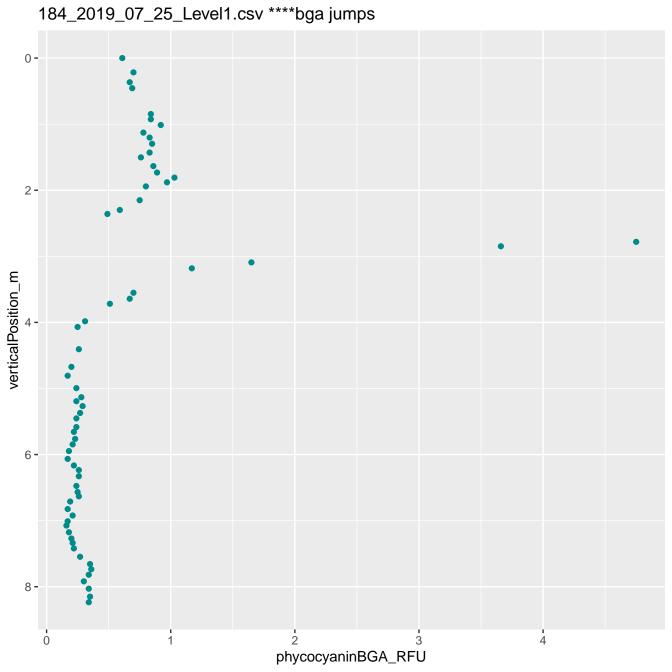


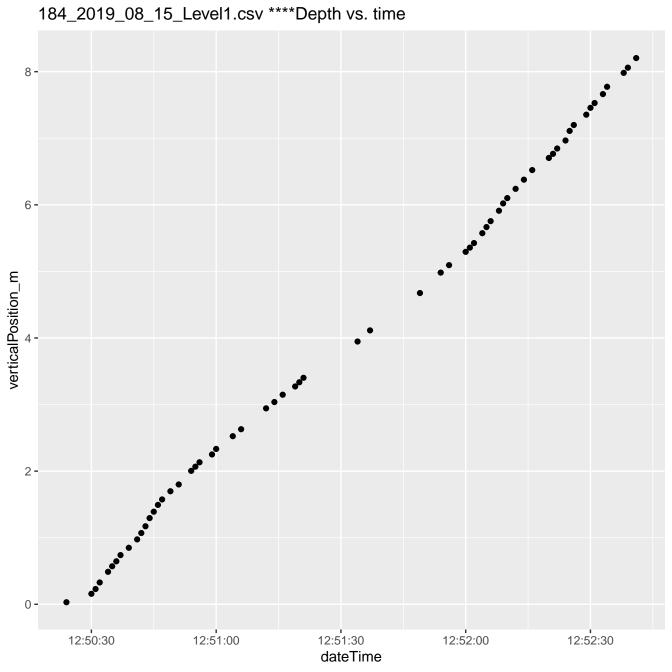


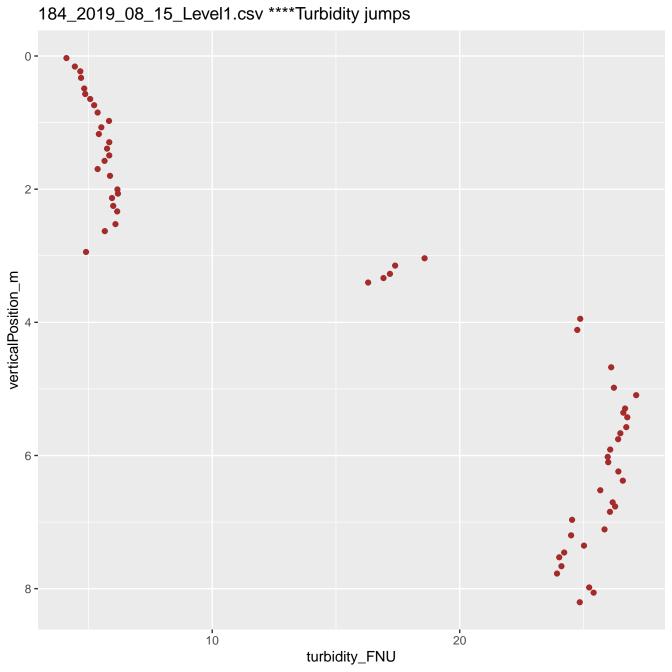


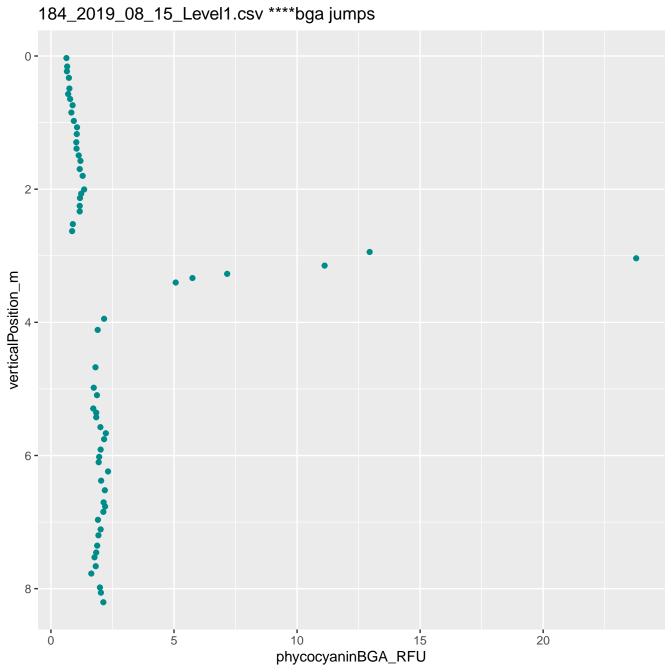


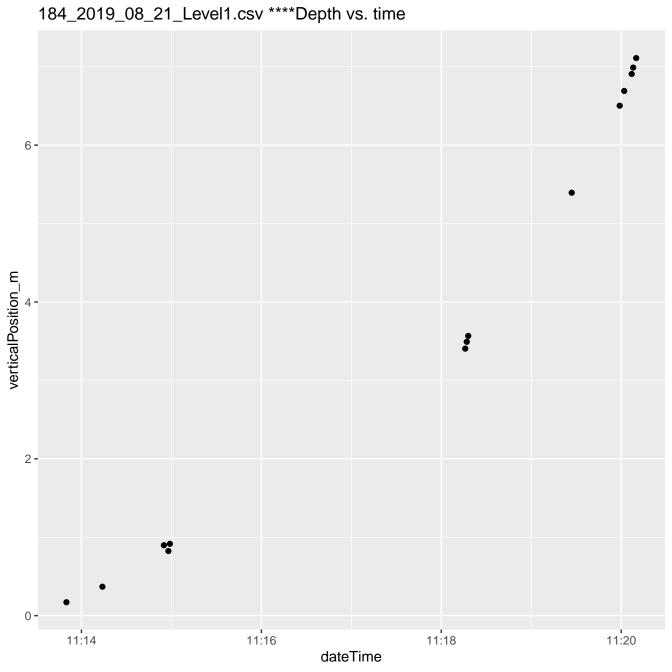


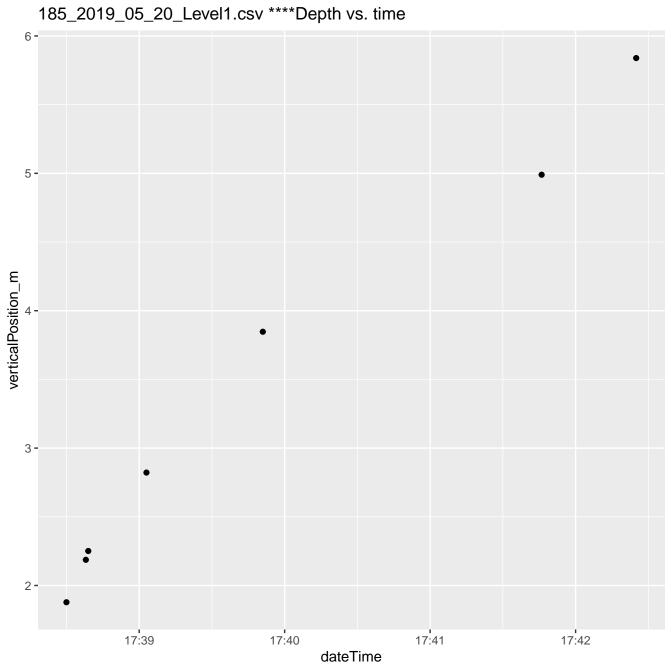


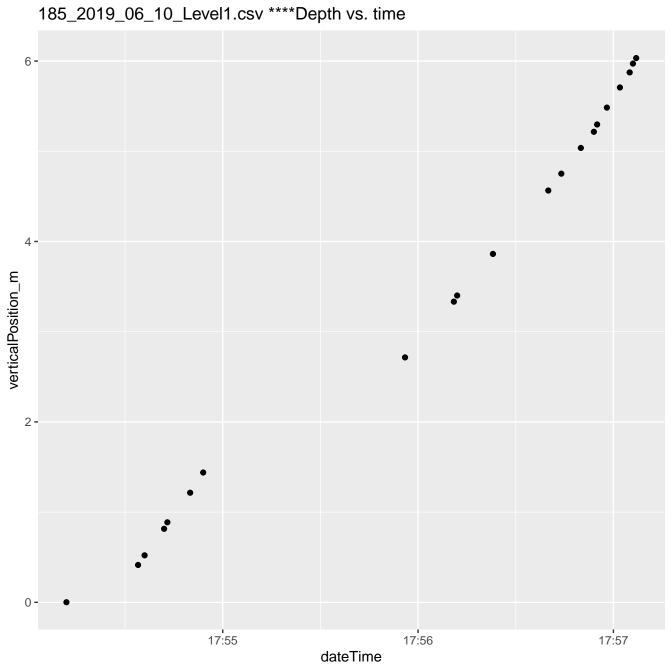


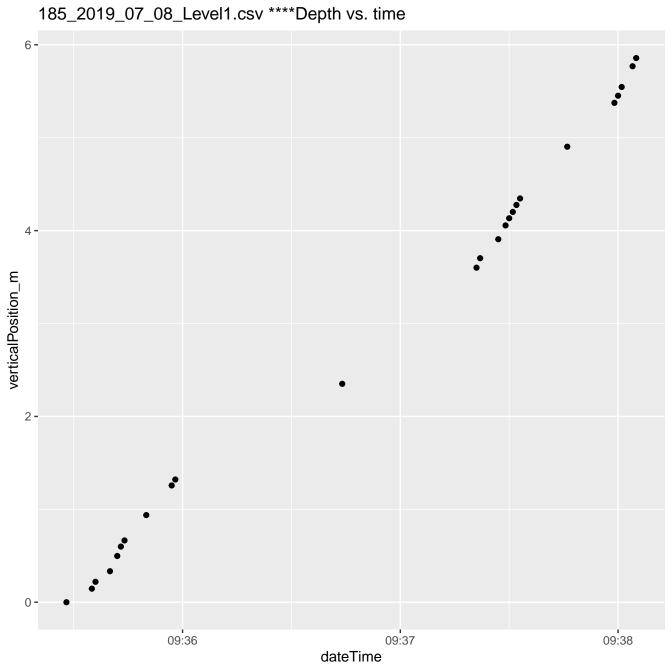


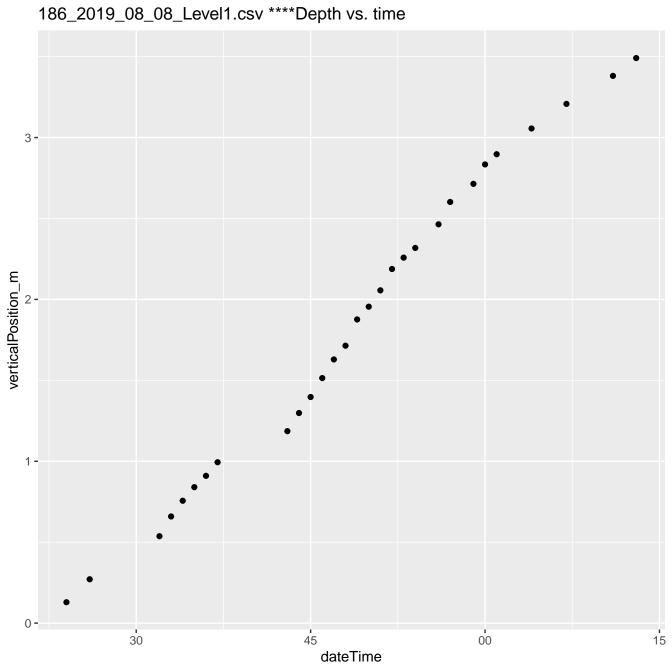


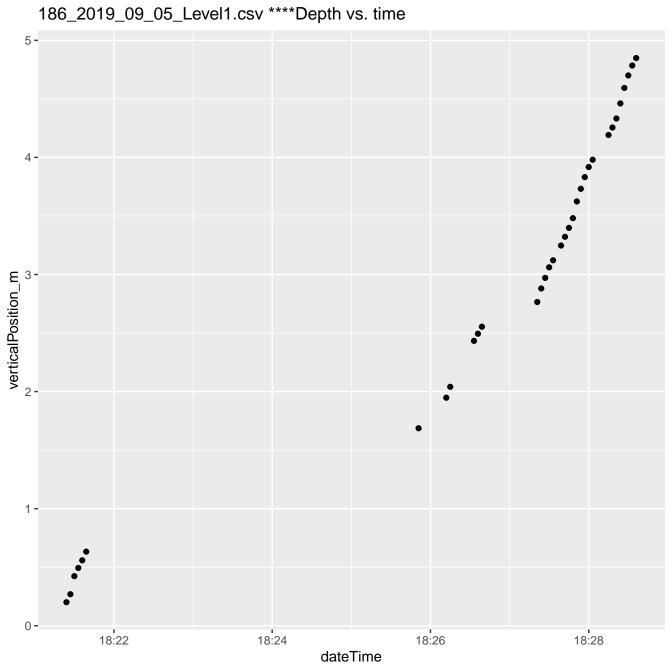


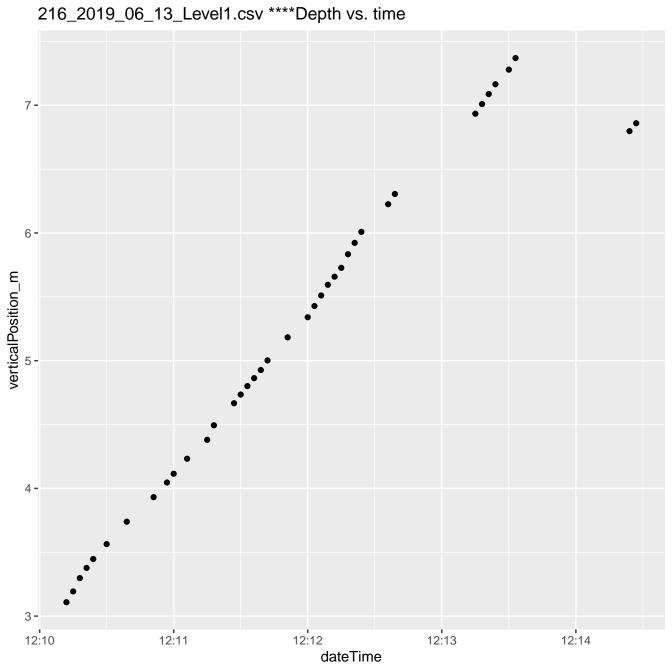


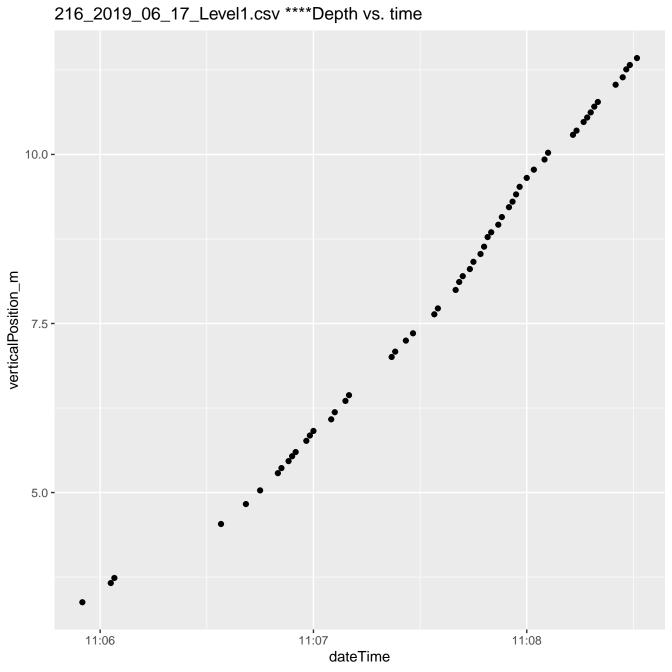










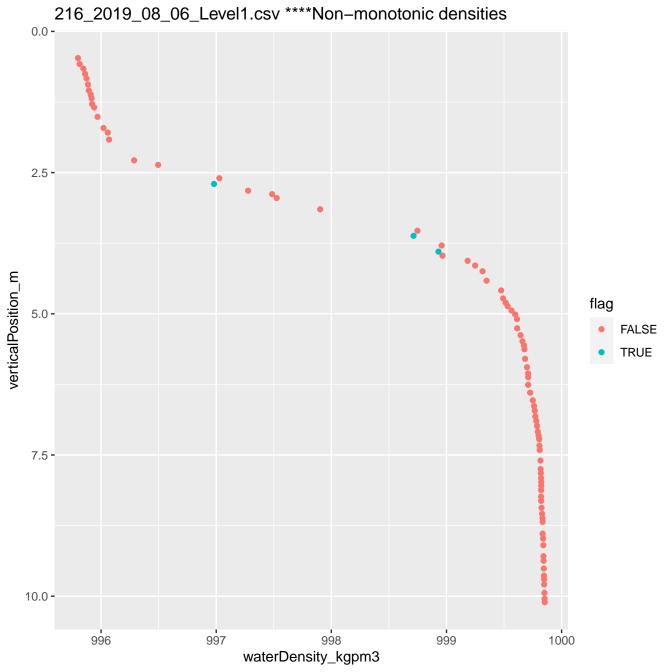


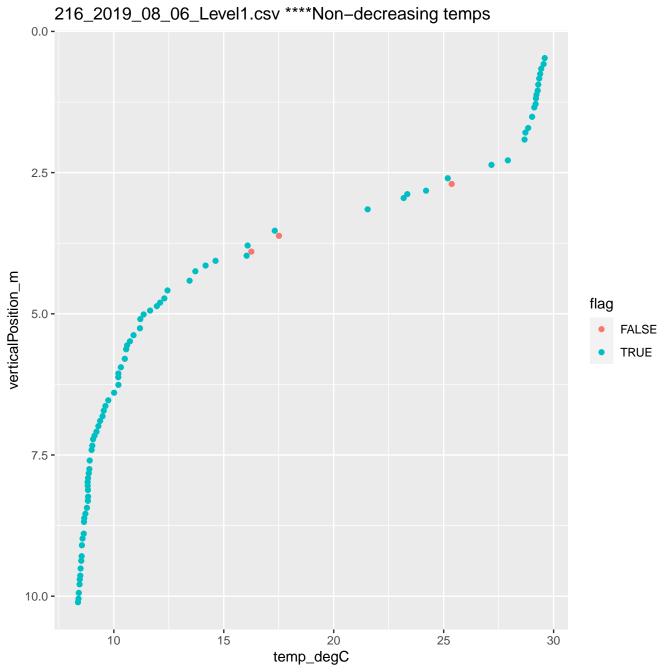
216_2019_07_15_Level1.csv ****Depth vs. time 10.0 -7.5 verticalPosition_m 5.0 **-**2.5 -0.0 -10:03:30 10:04:00 10:05:00 10:05:30 10:04:30

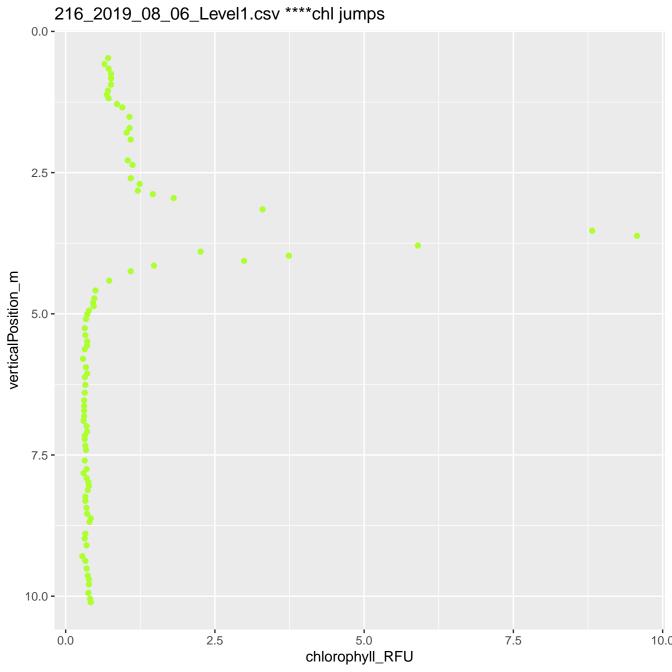
dateTime

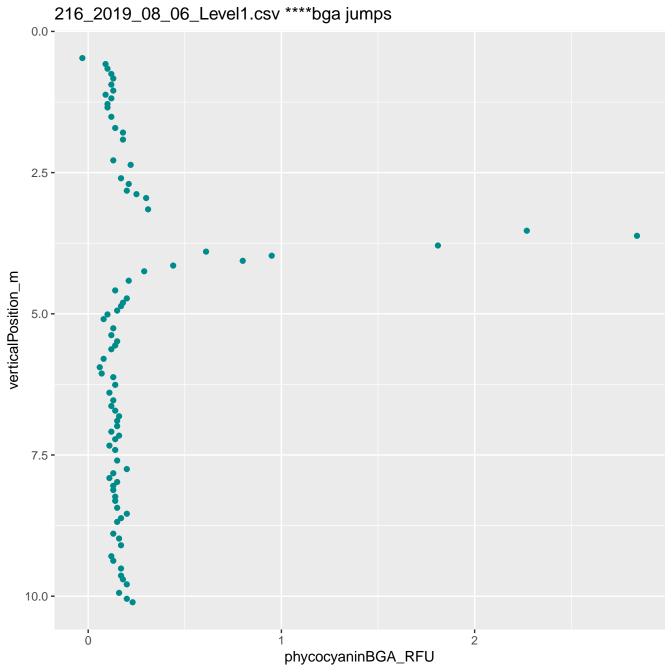
216_2019_07_15_Level1.csv ****bga jumps 0.0 -2.5 verticalPosition_m 5.0 **-**7.5 **-**10.0 -0.2 0.4 0.6 0.8 phycocyaninBGA_RFU

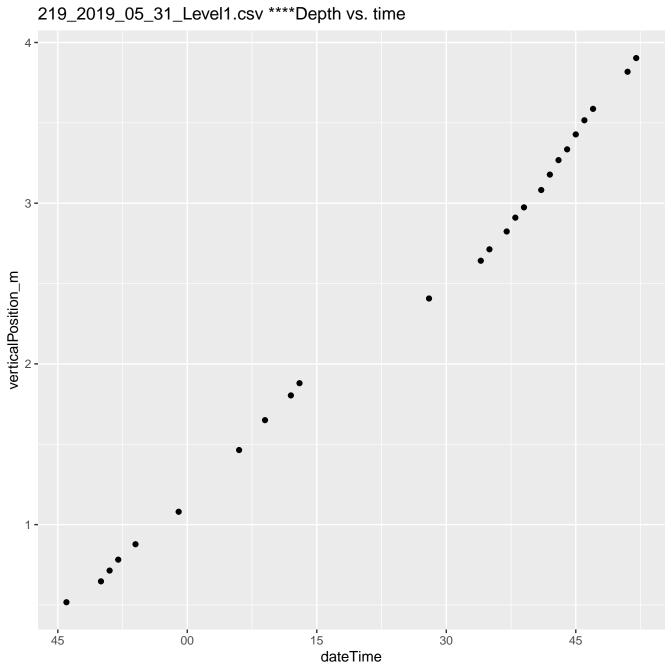
216_2019_08_06_Level1.csv ****Depth vs. time 10.0 -7.5 verticalPosition_m 5.0 **-**2.5 -0.0 -11:09:30 11:10:00 11:10:30 11:11:00 11:11:30 dateTime

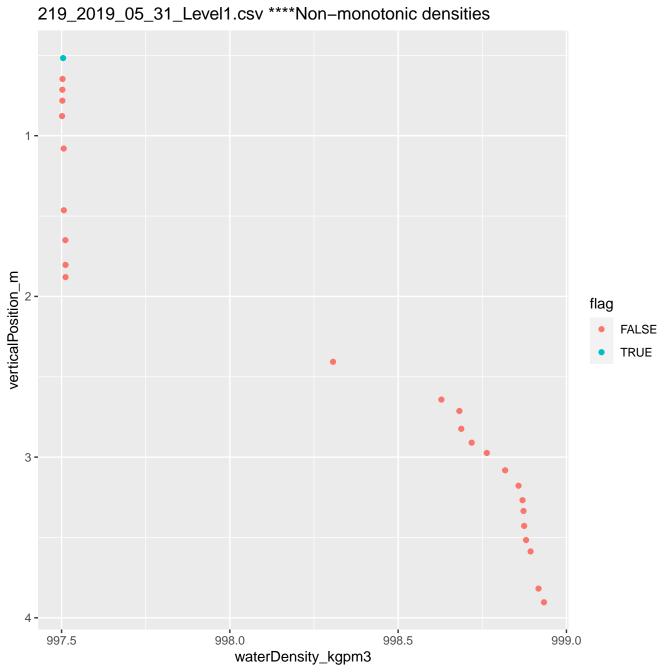


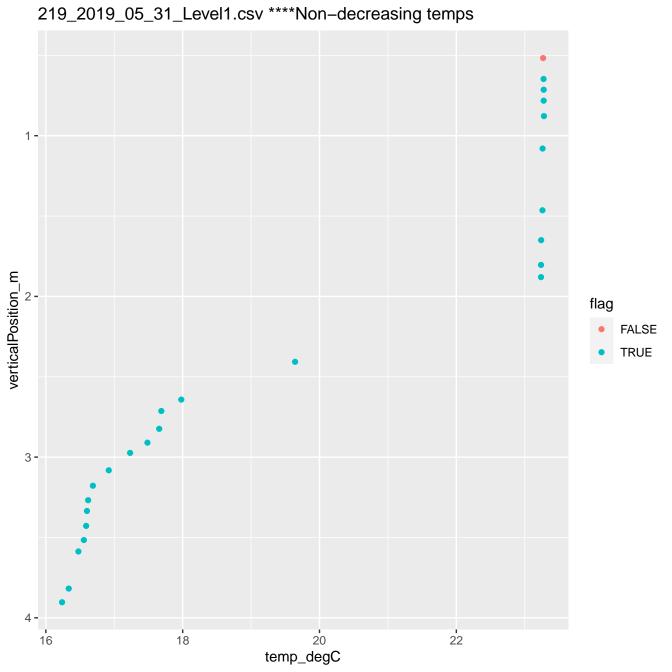


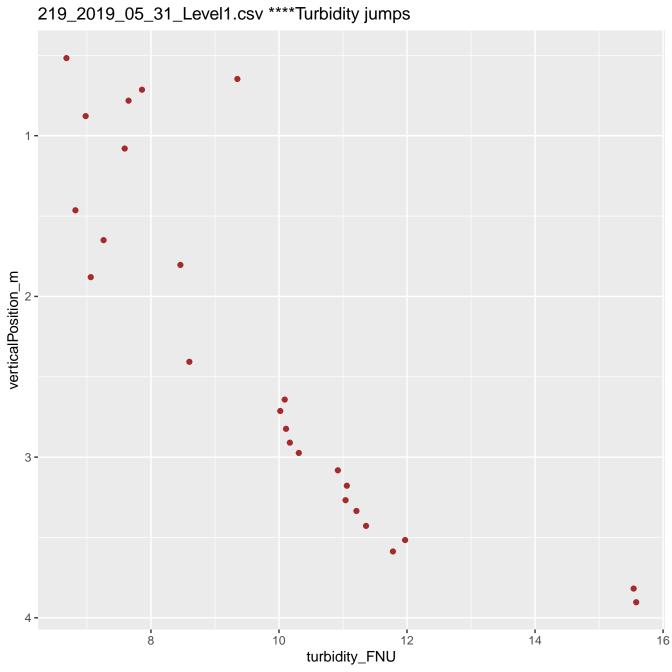


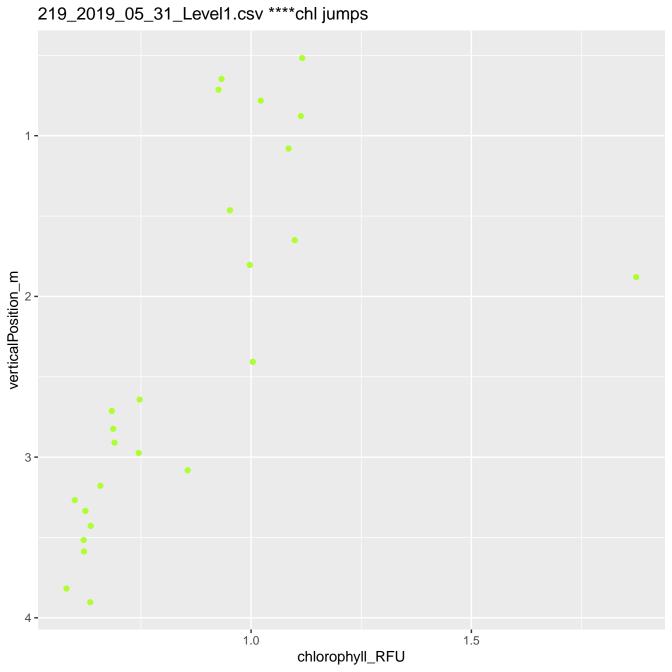


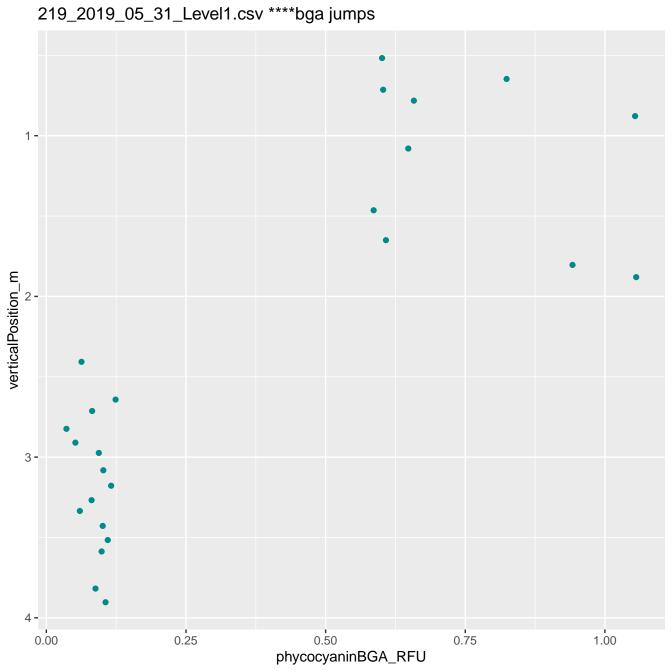


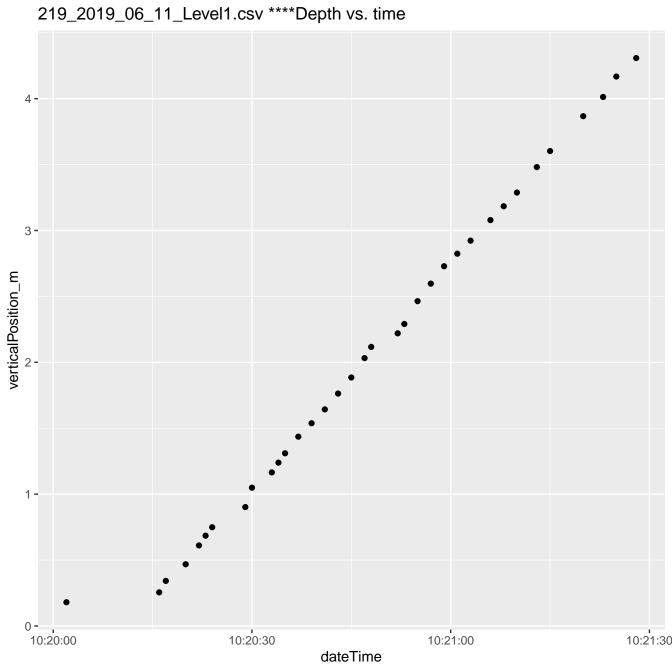


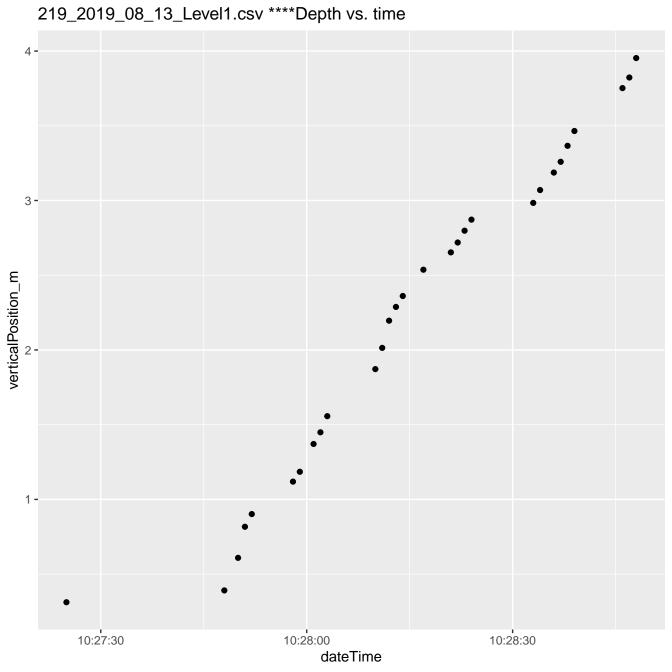


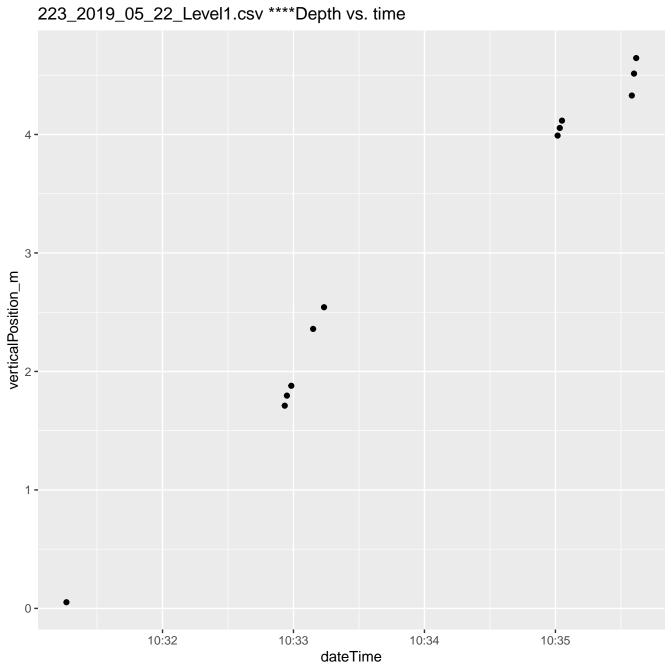


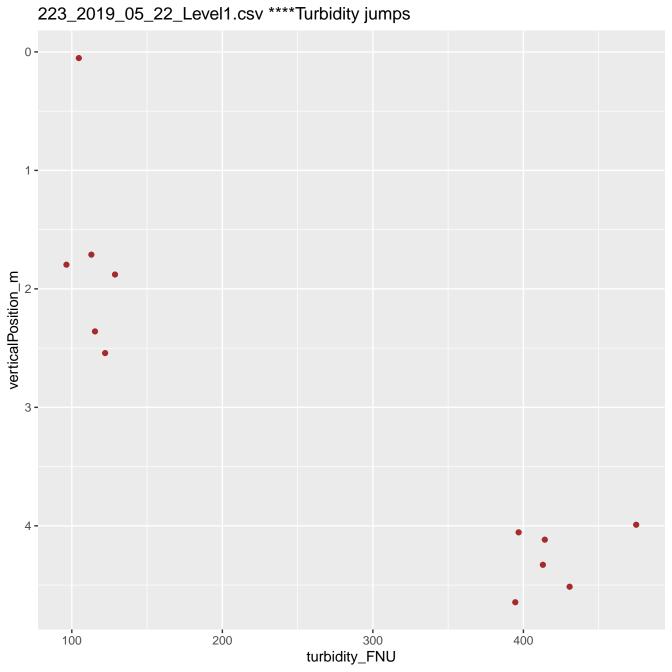


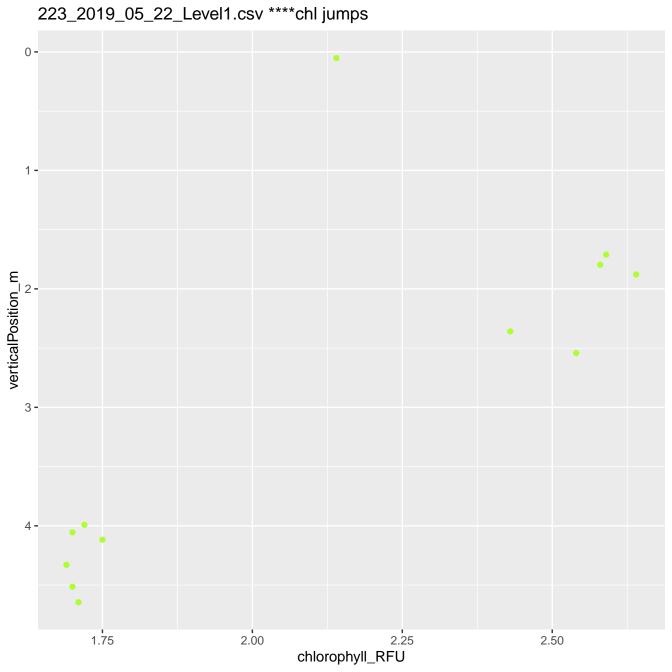


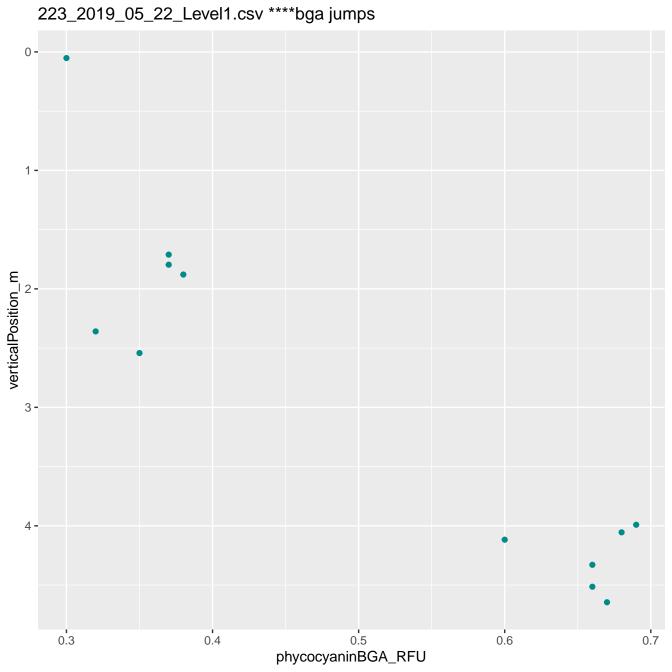


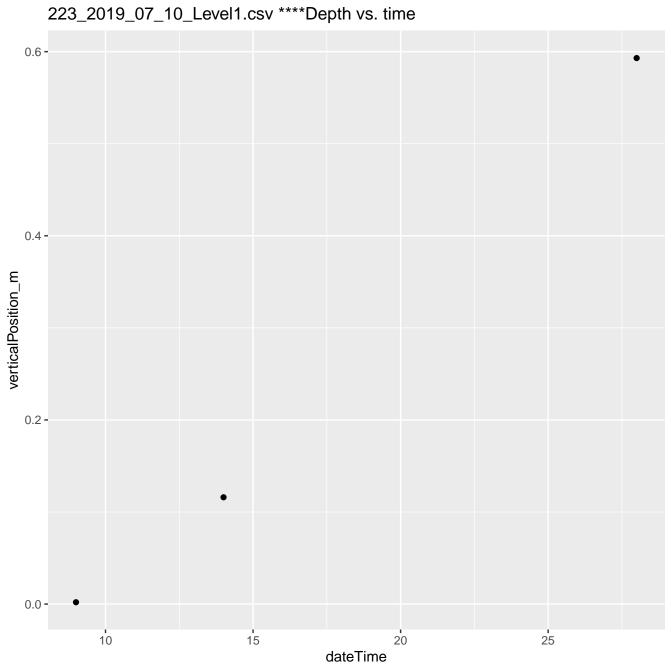


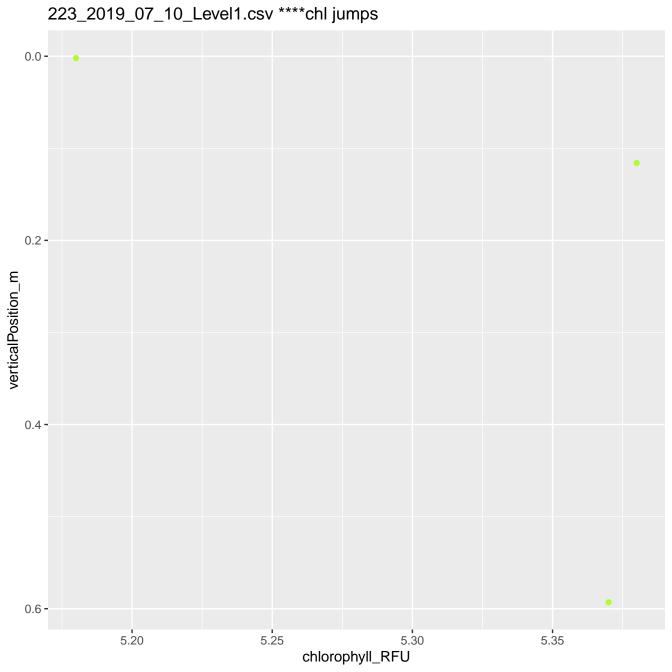


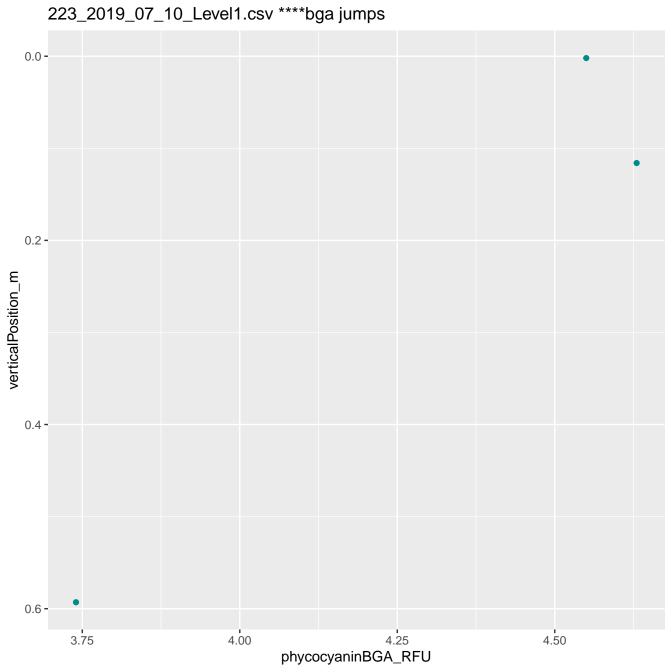


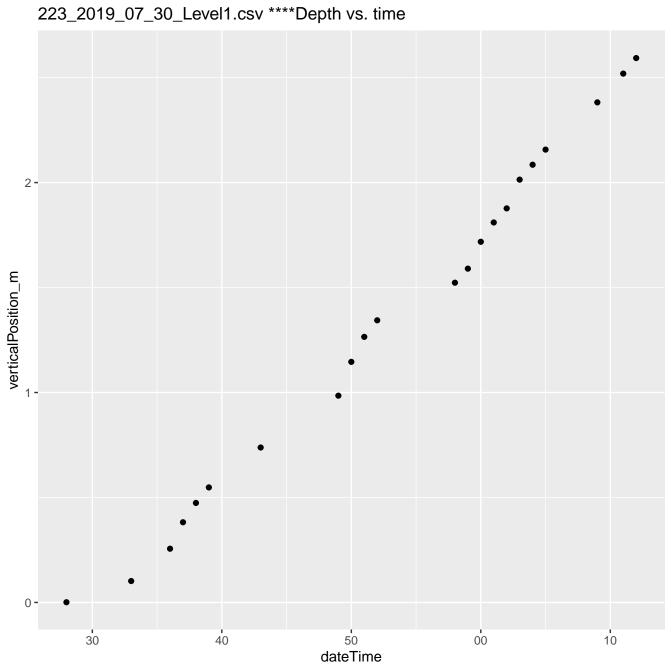


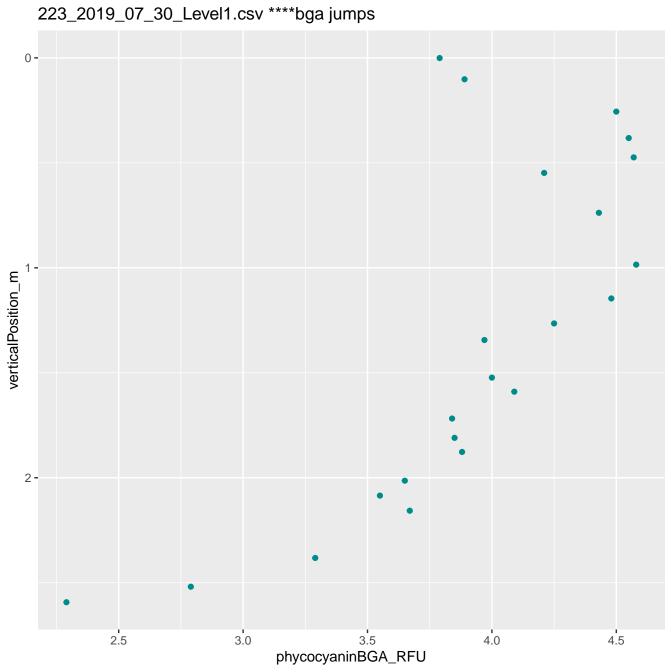


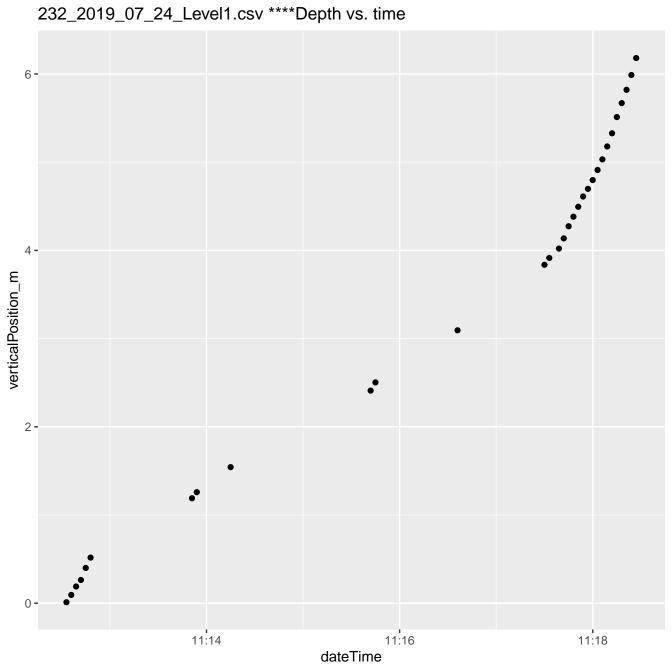


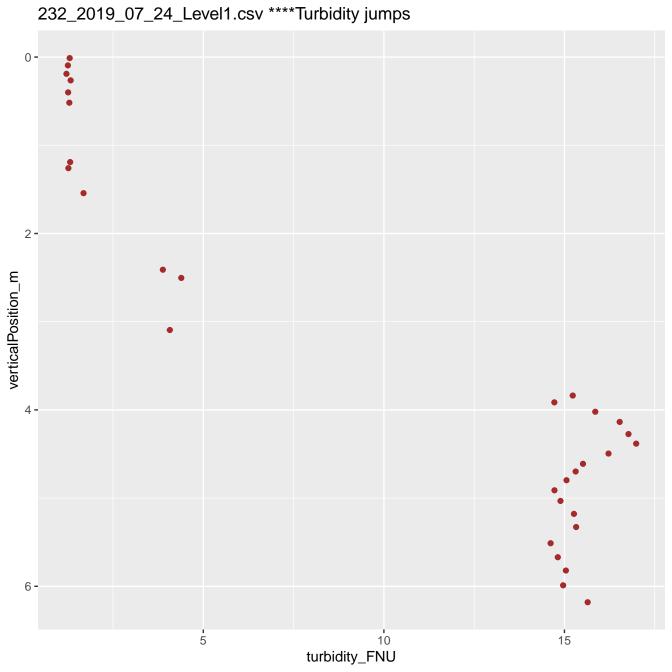


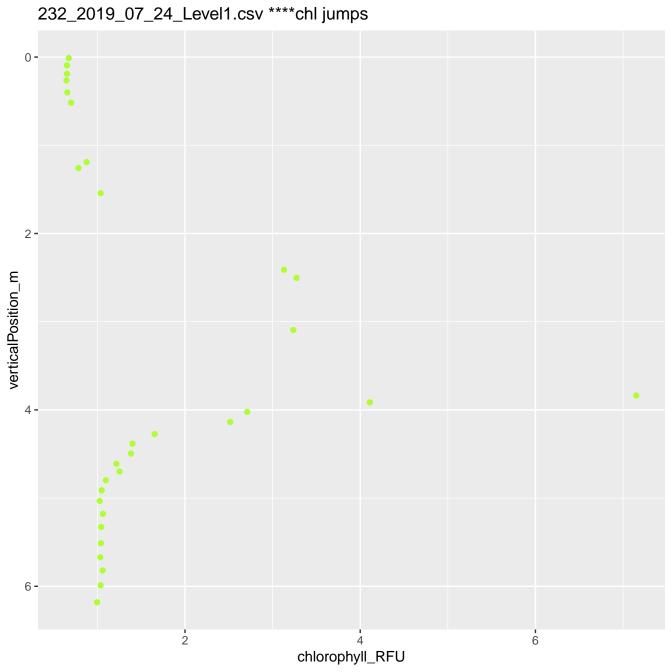


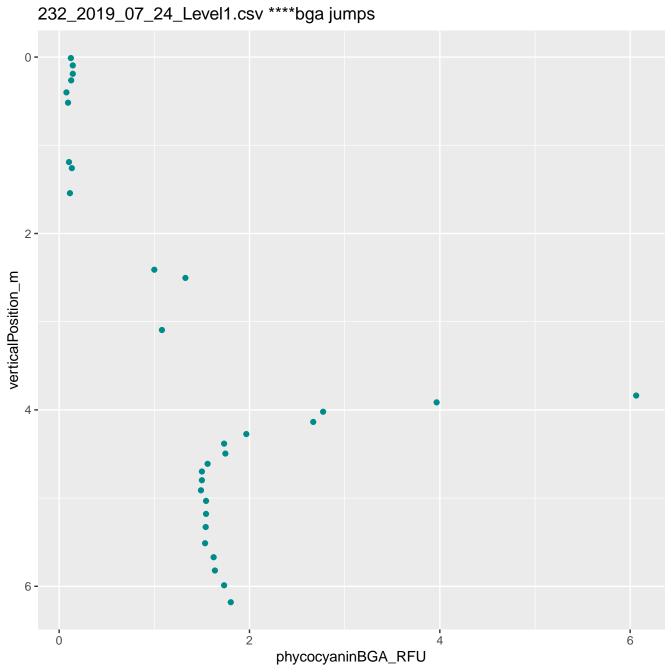


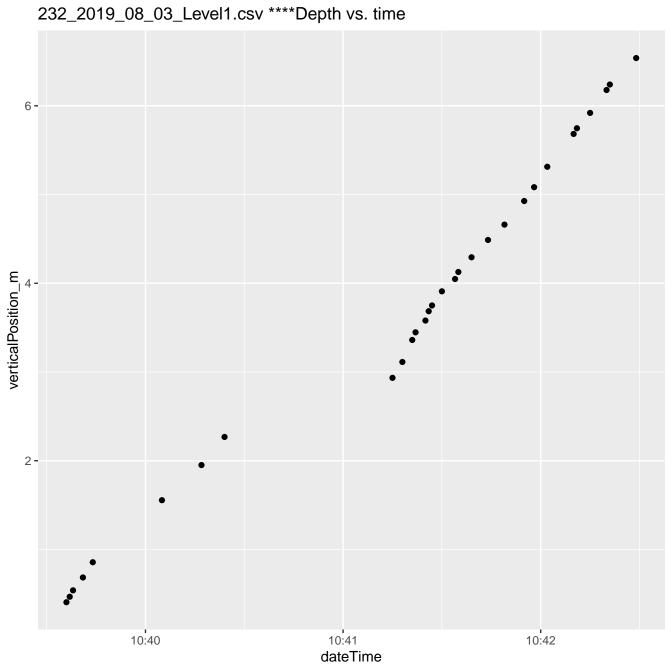


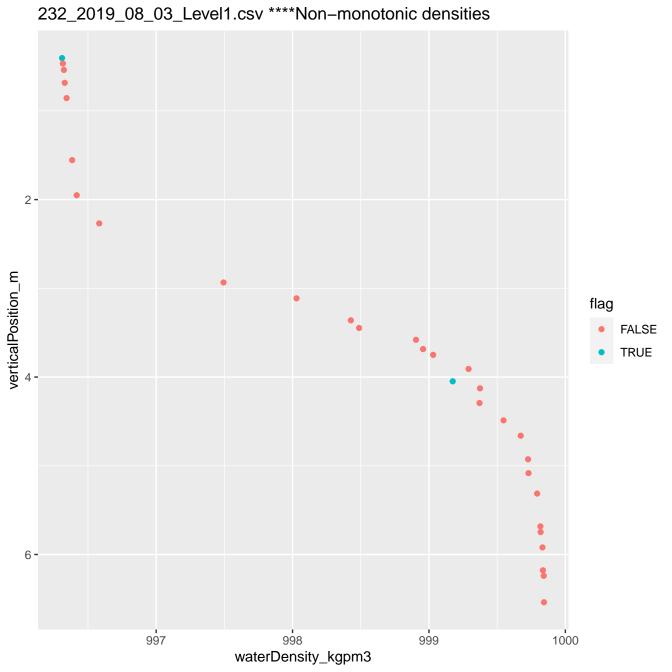


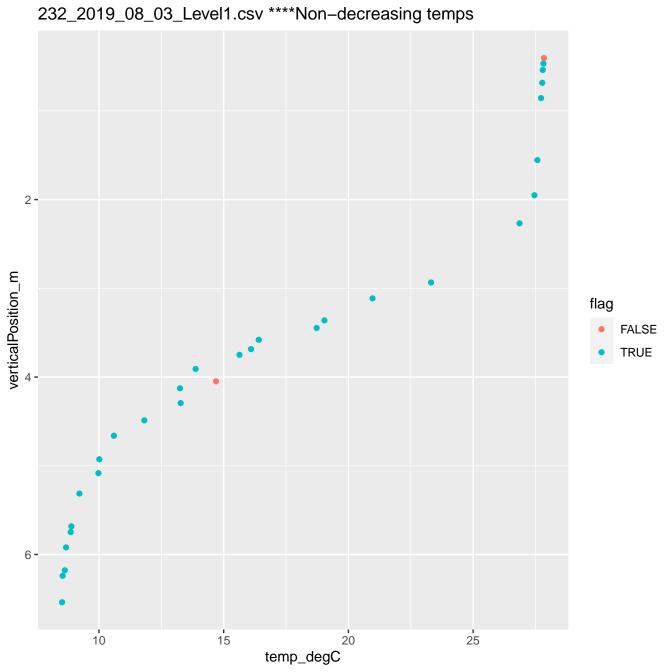


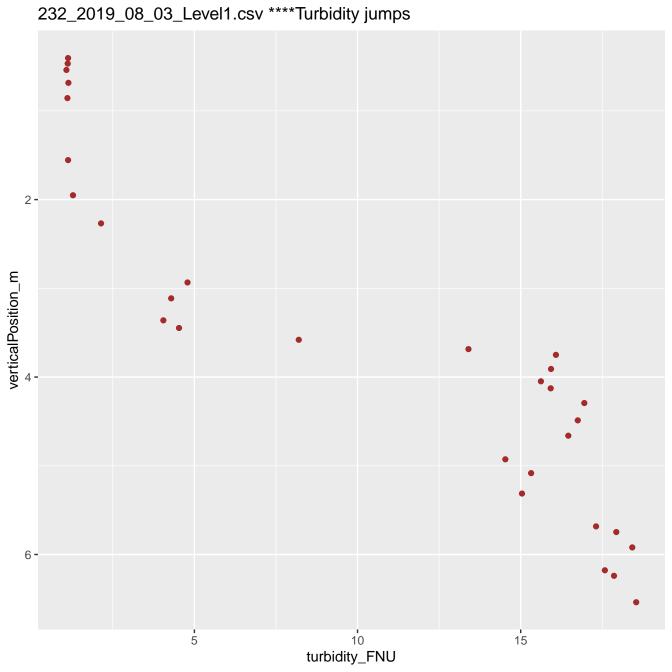


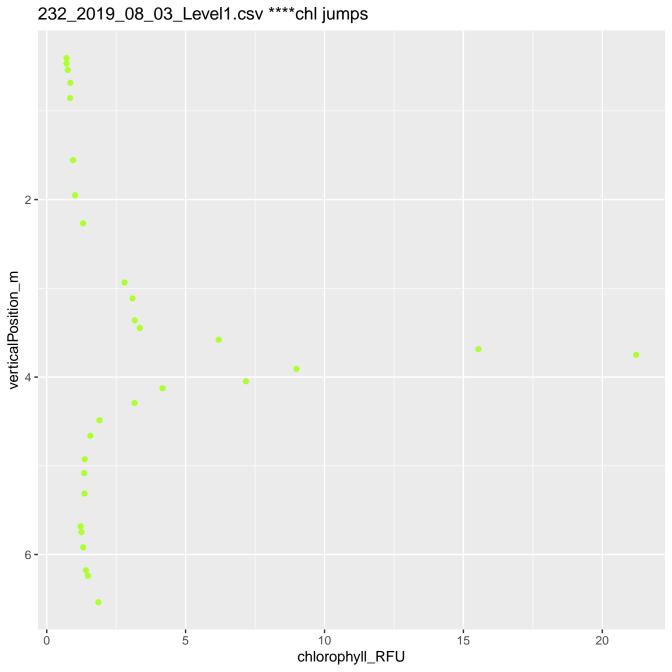


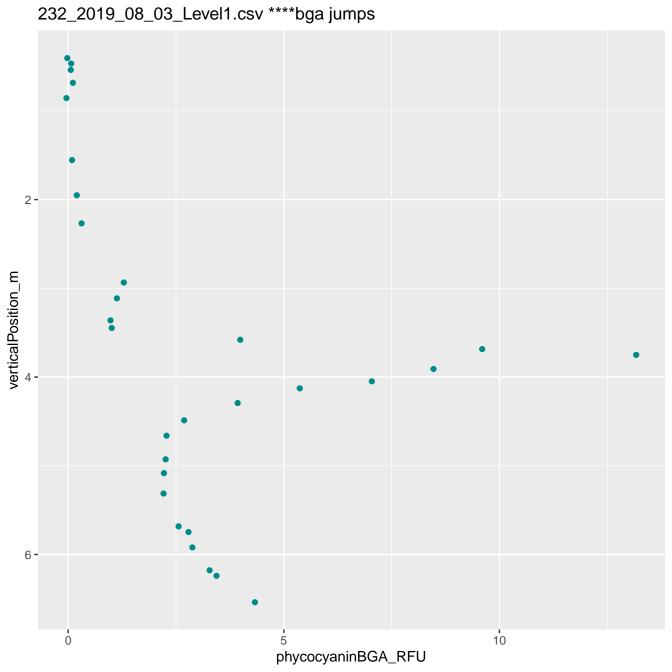


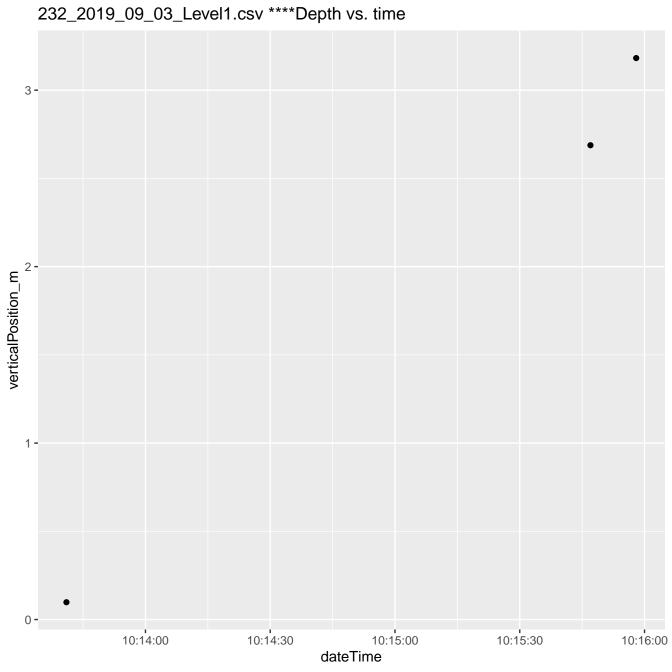


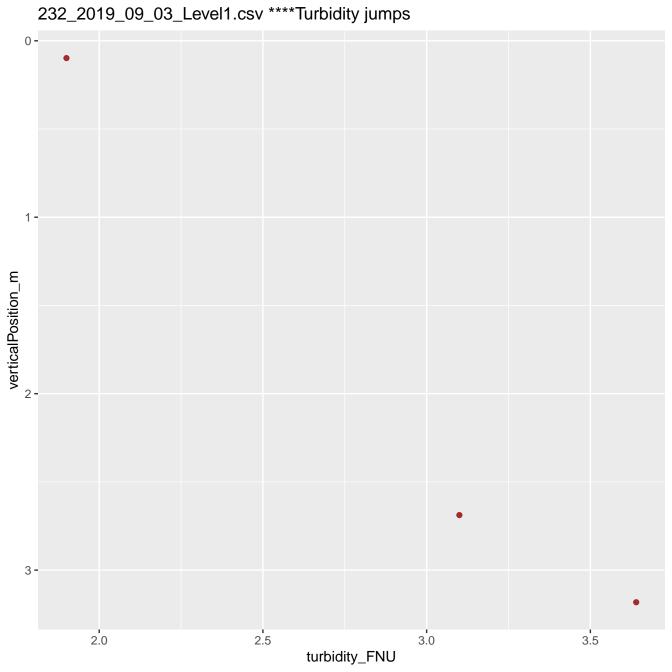


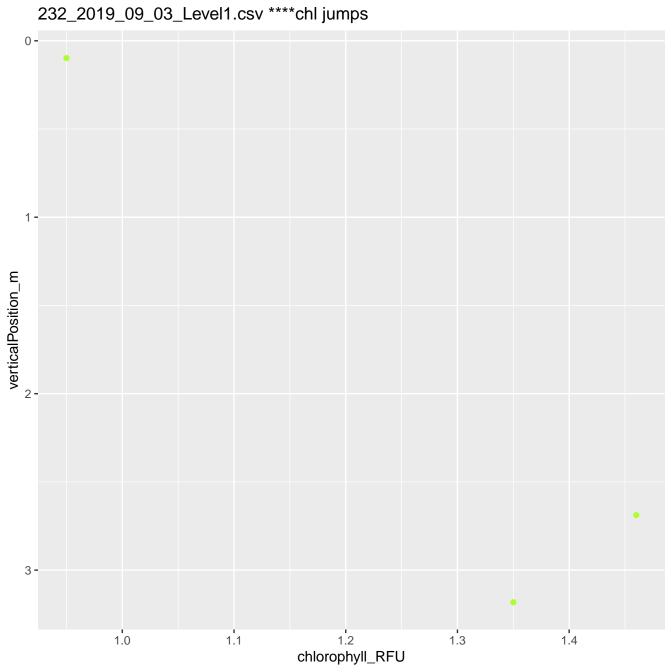


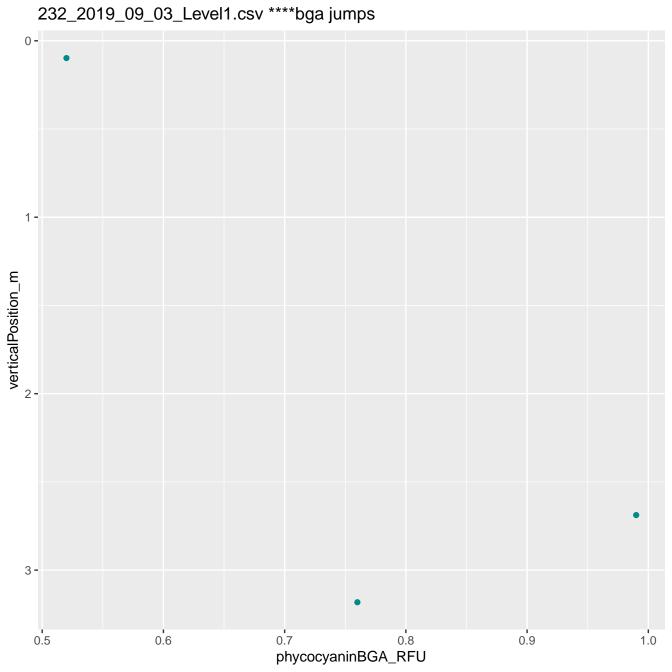


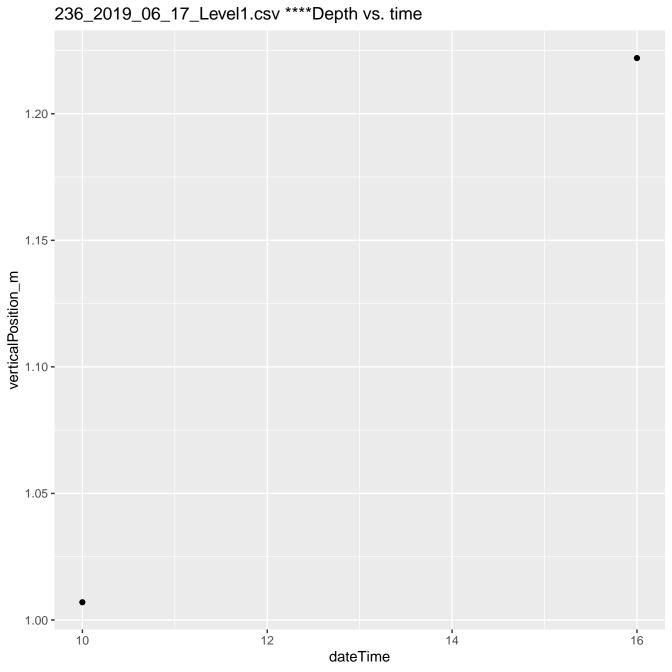






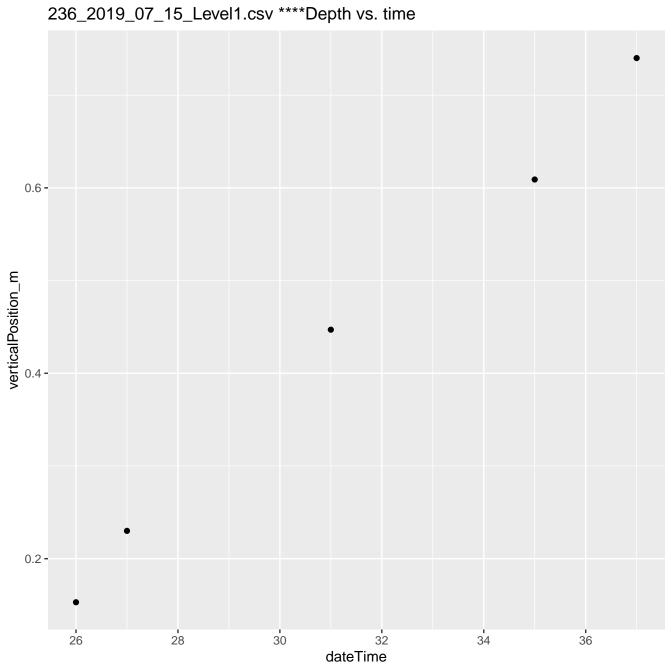


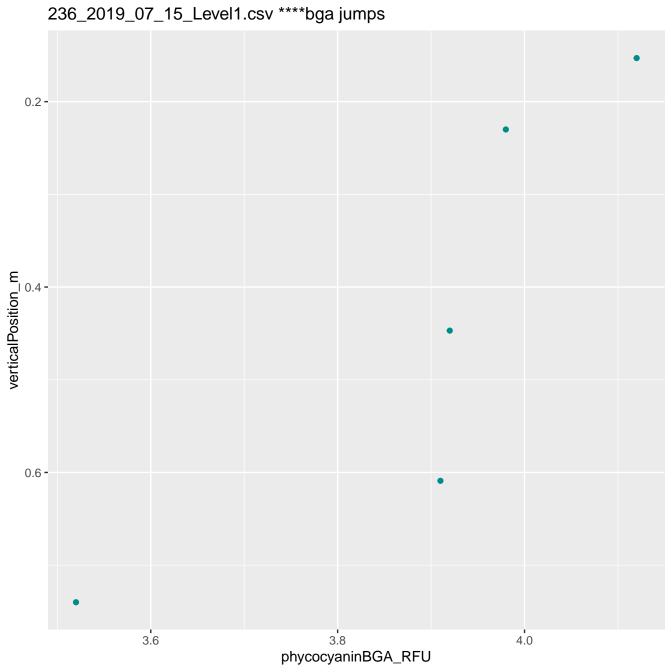


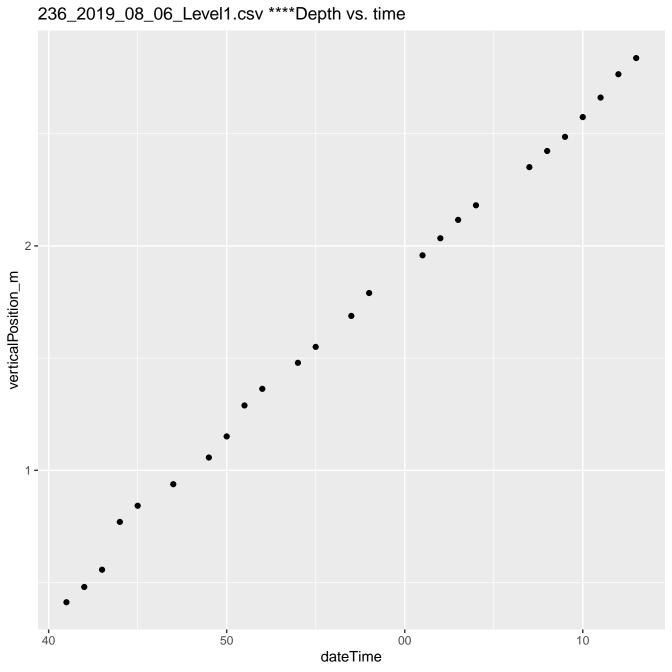


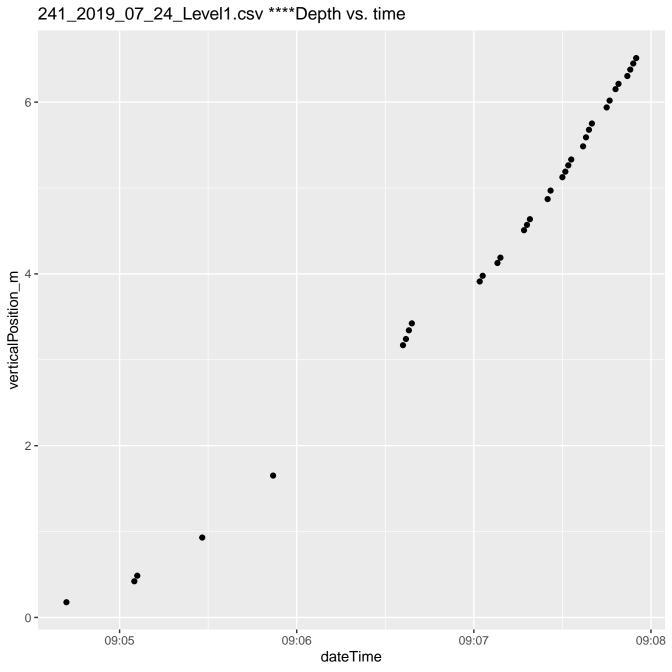
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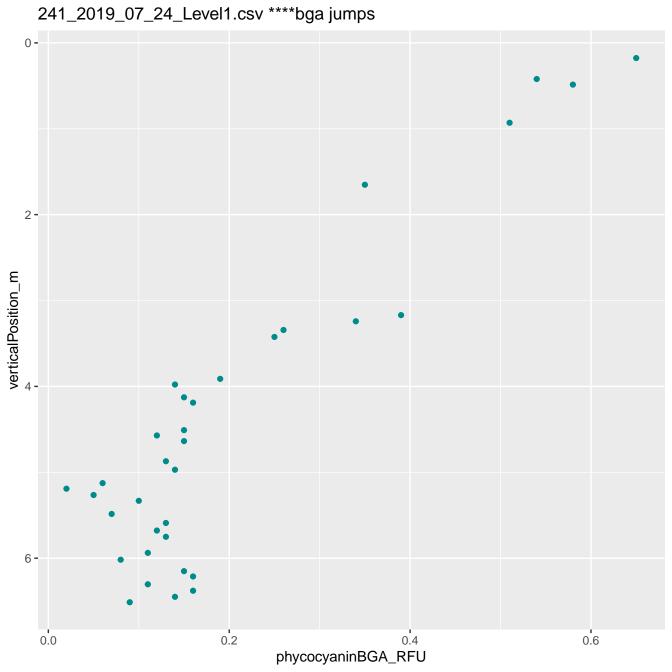
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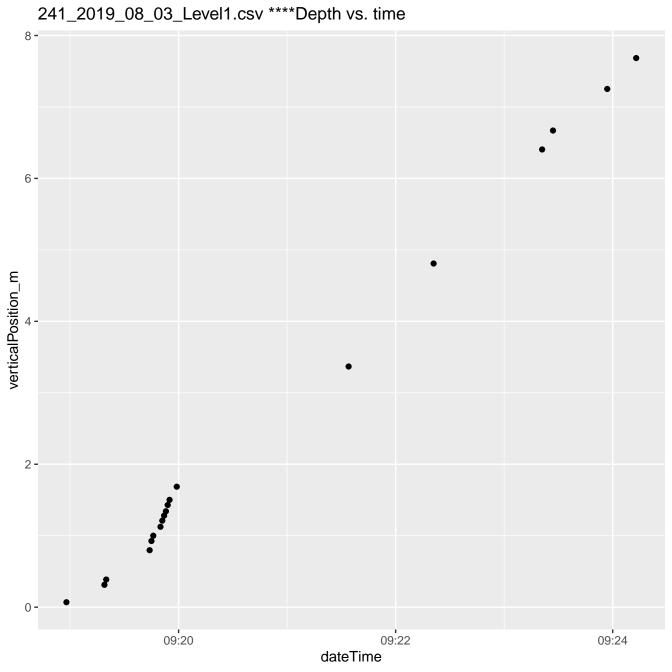


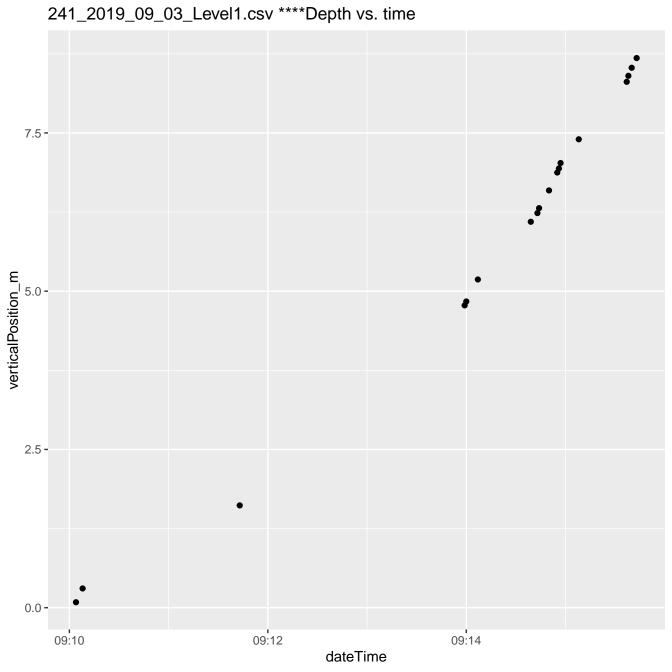


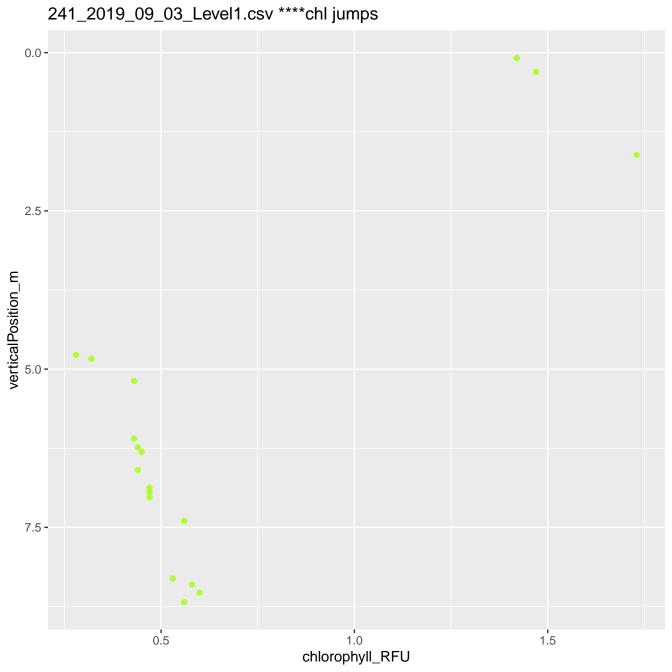


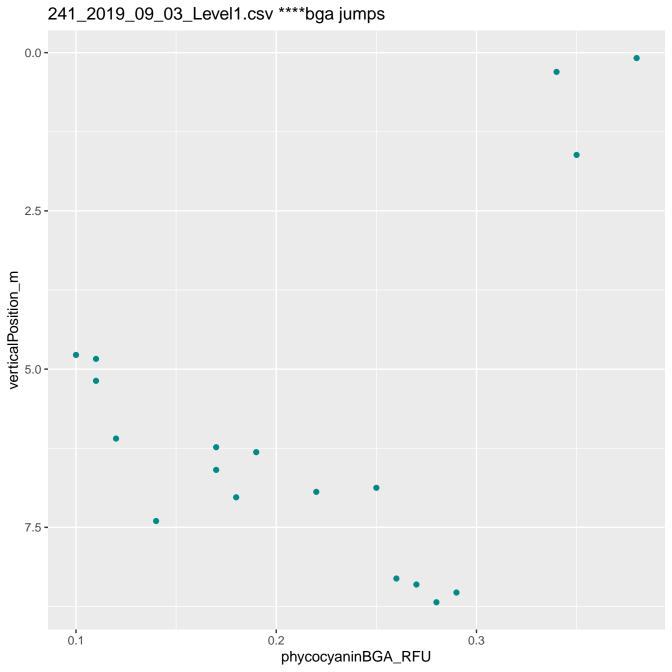


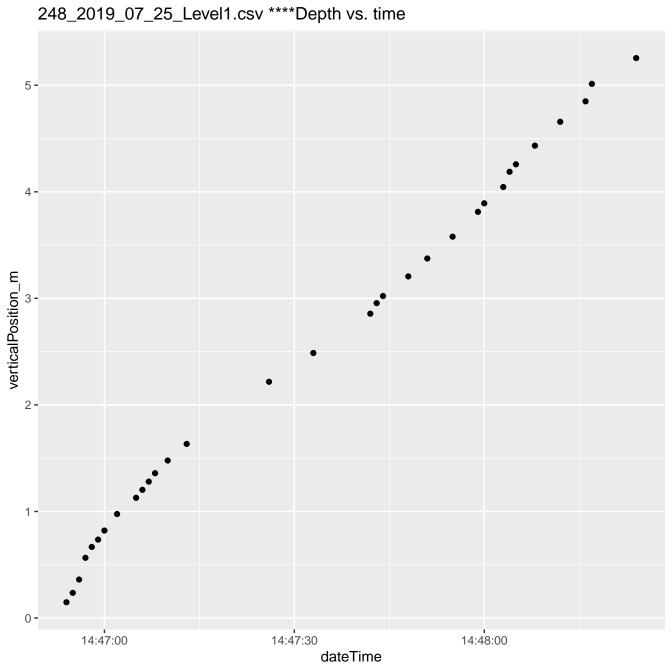


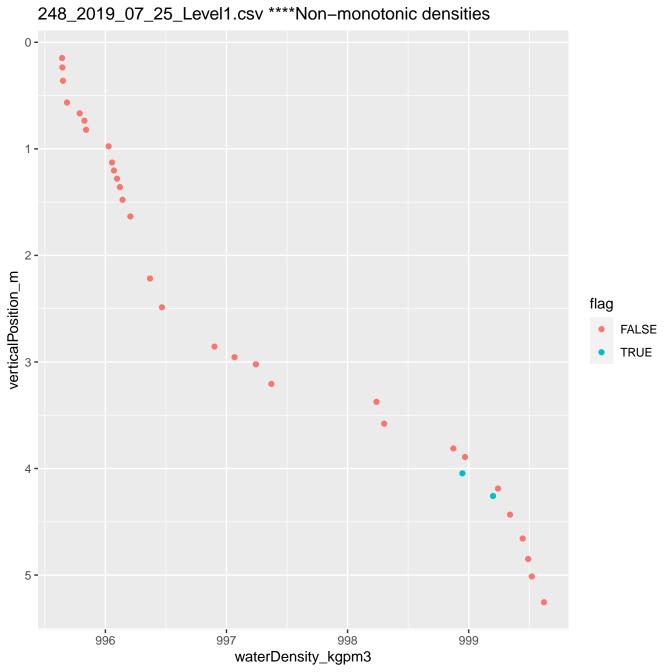


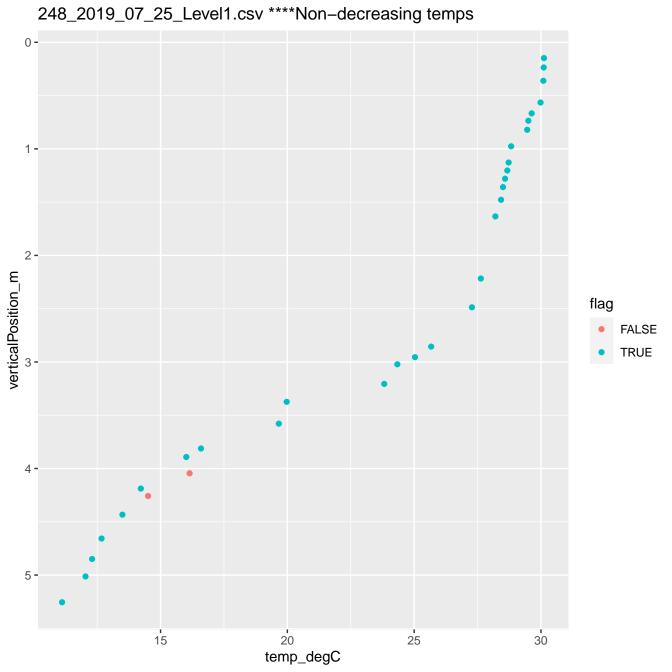


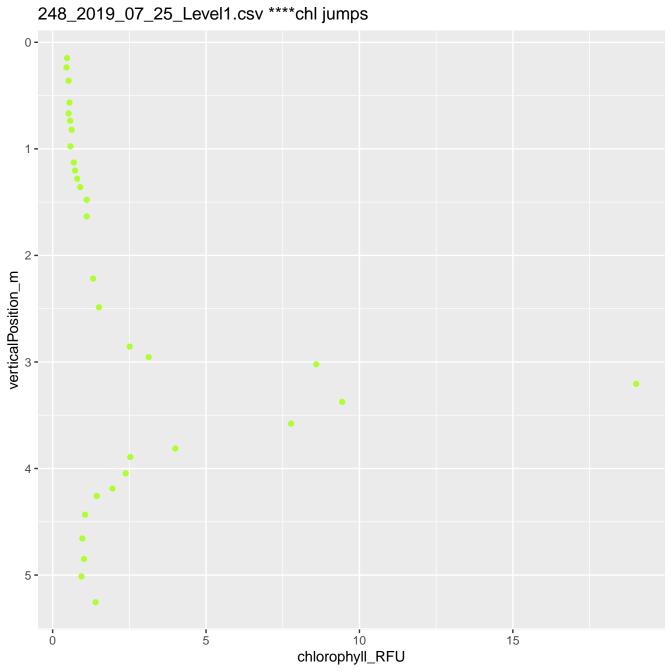


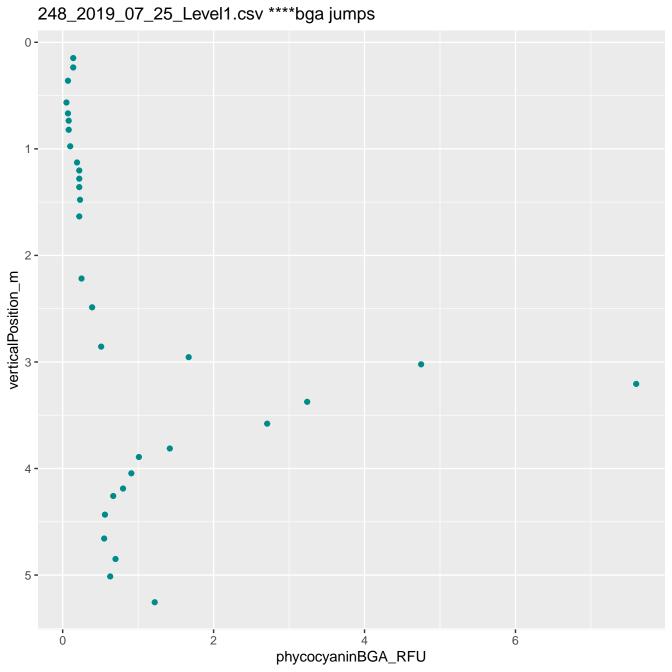


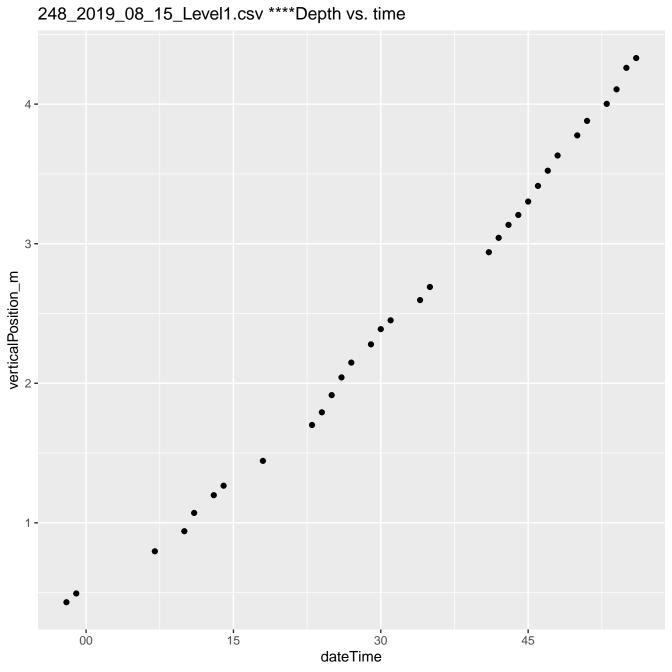


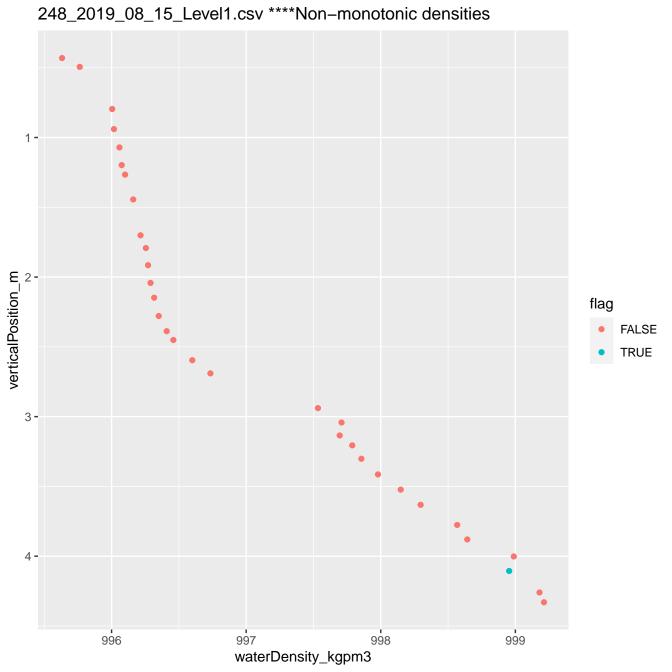


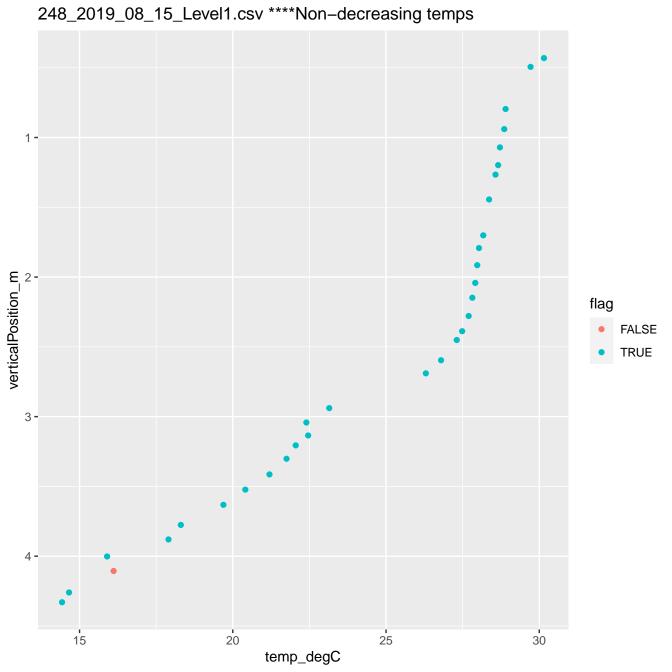


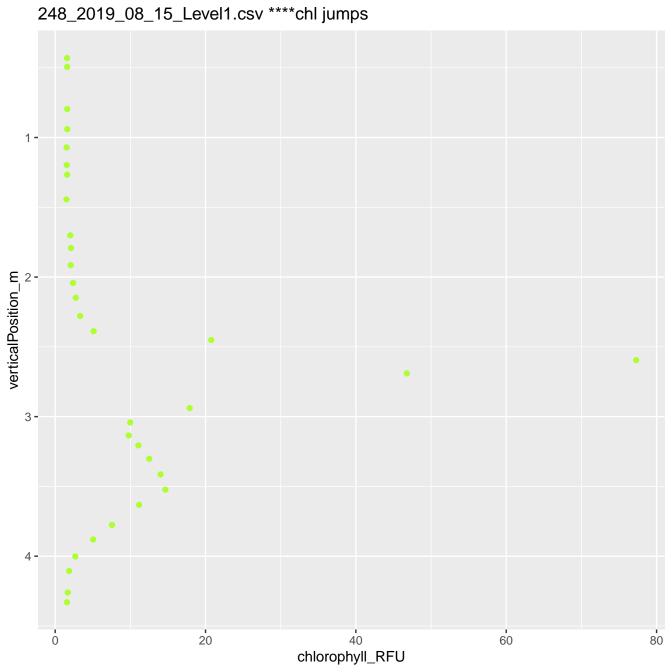


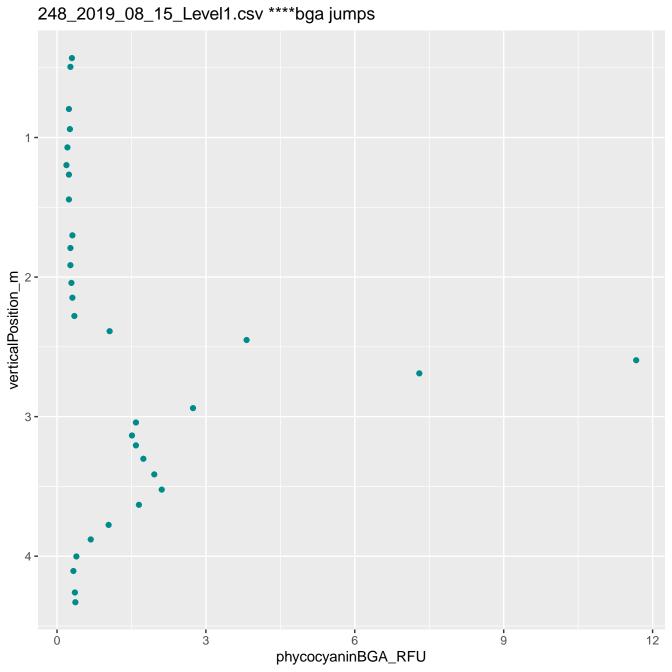


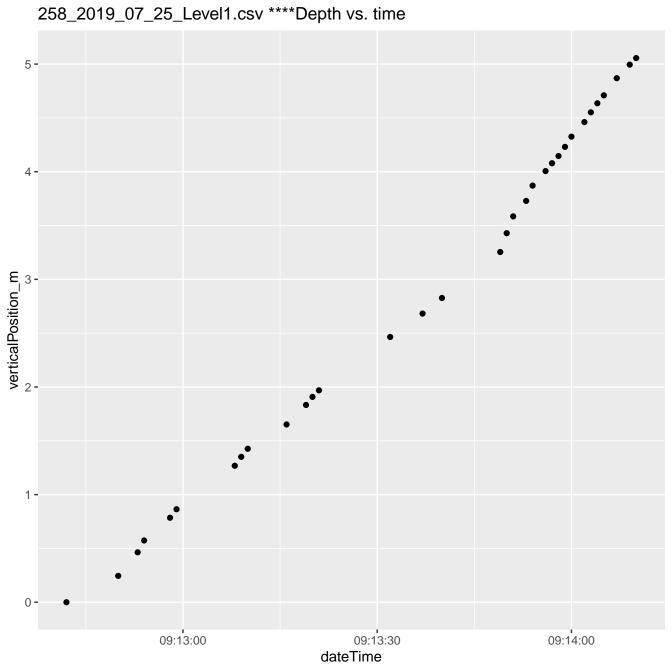


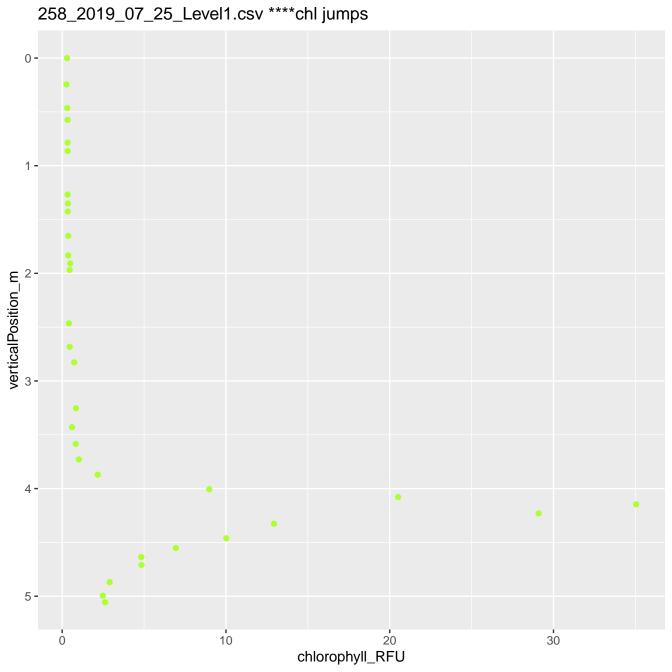


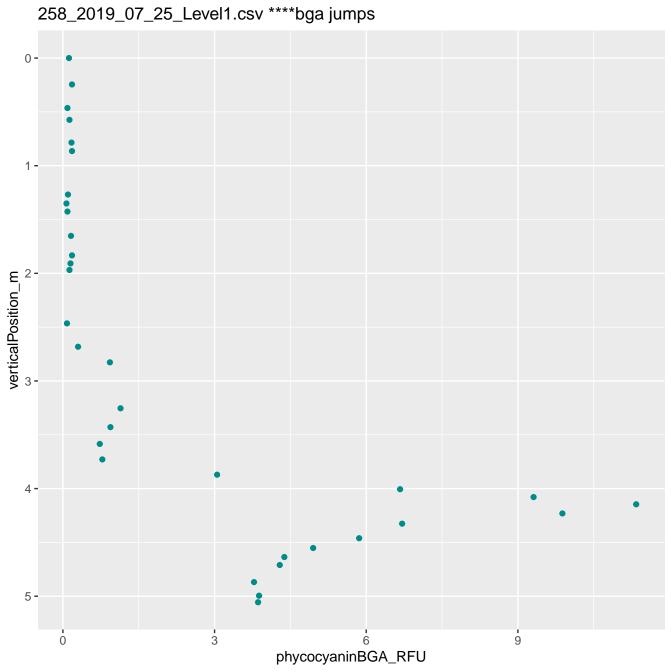


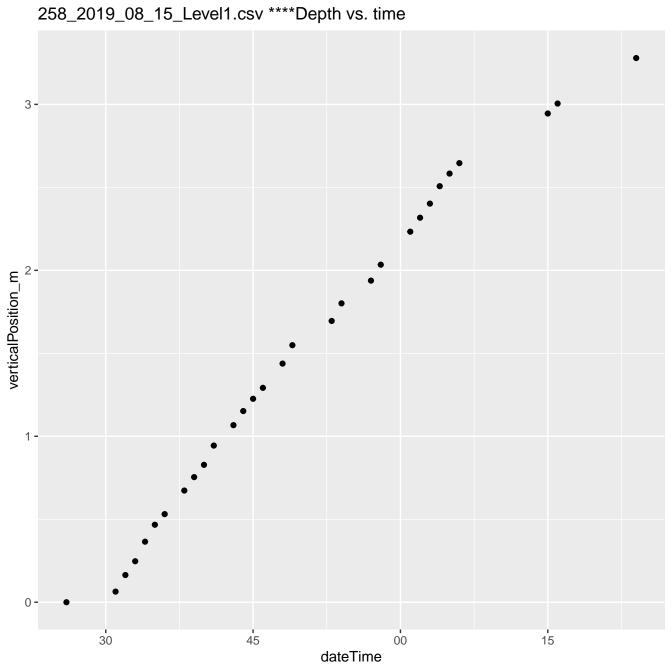


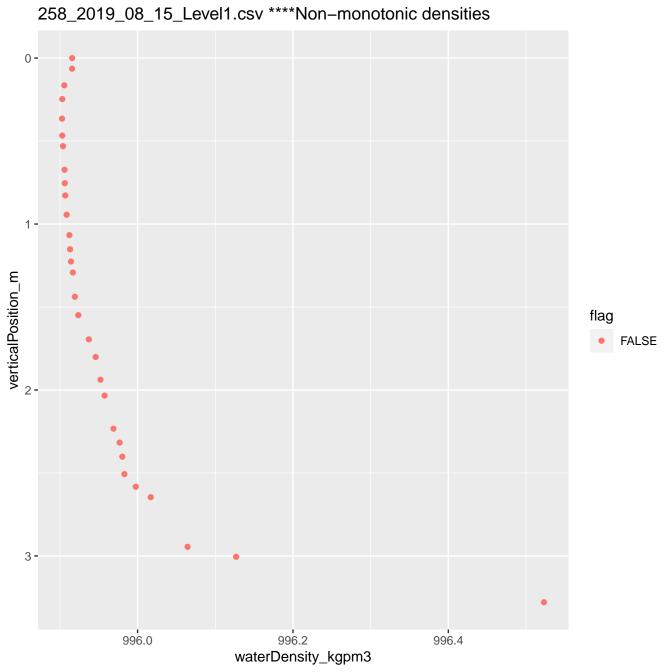


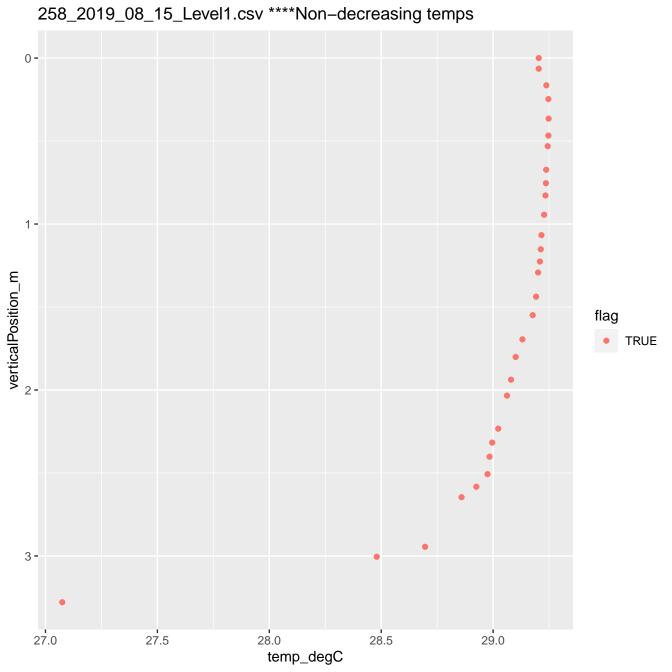


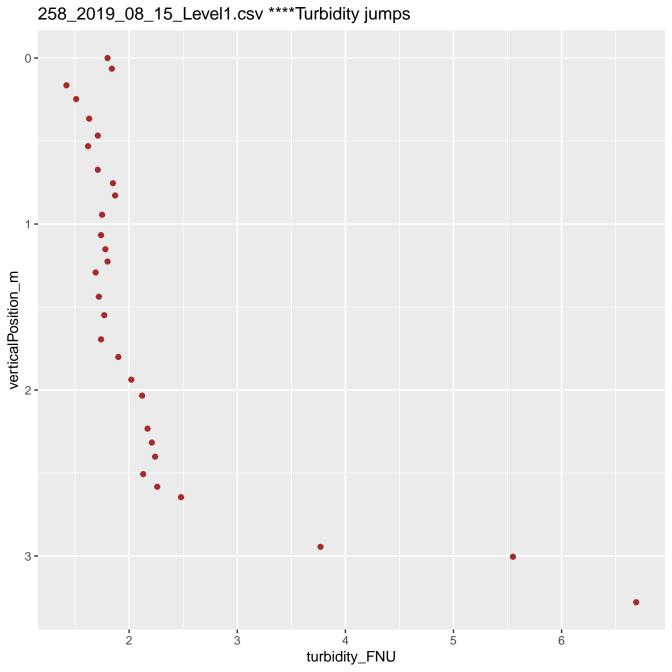


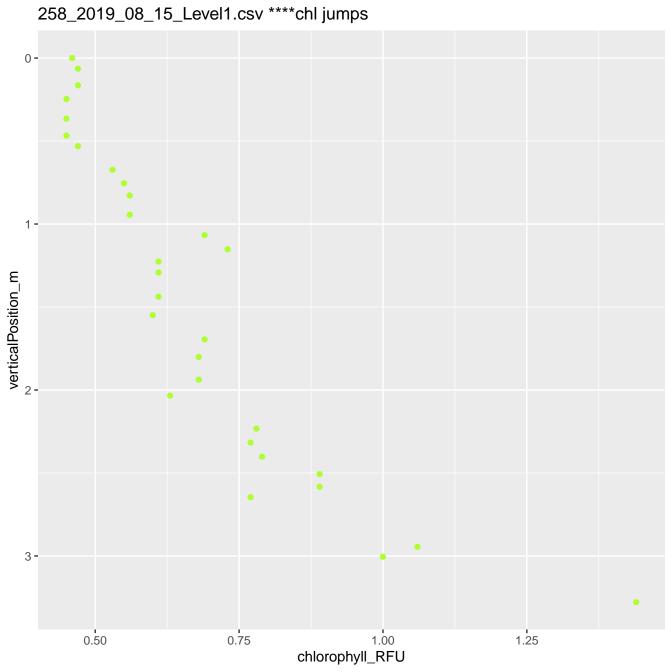


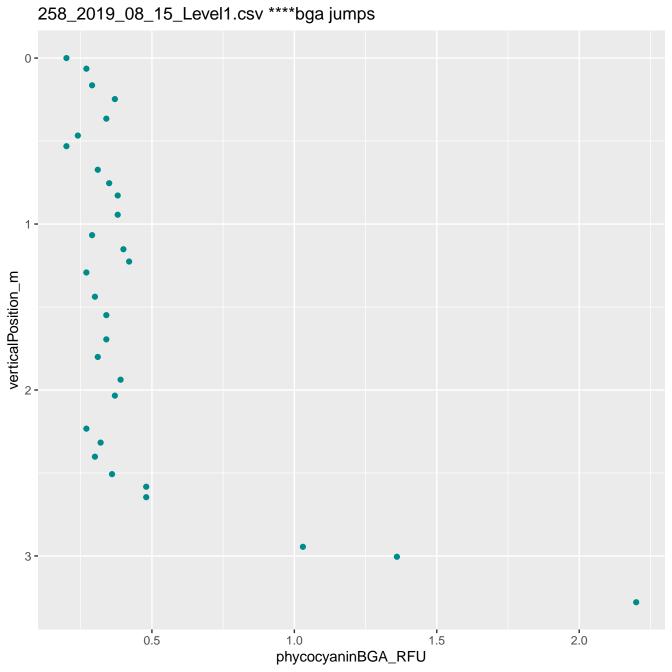


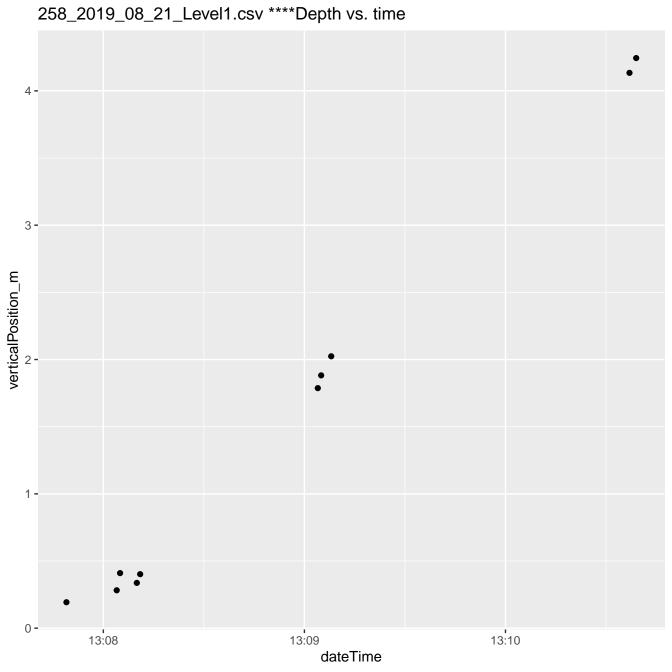


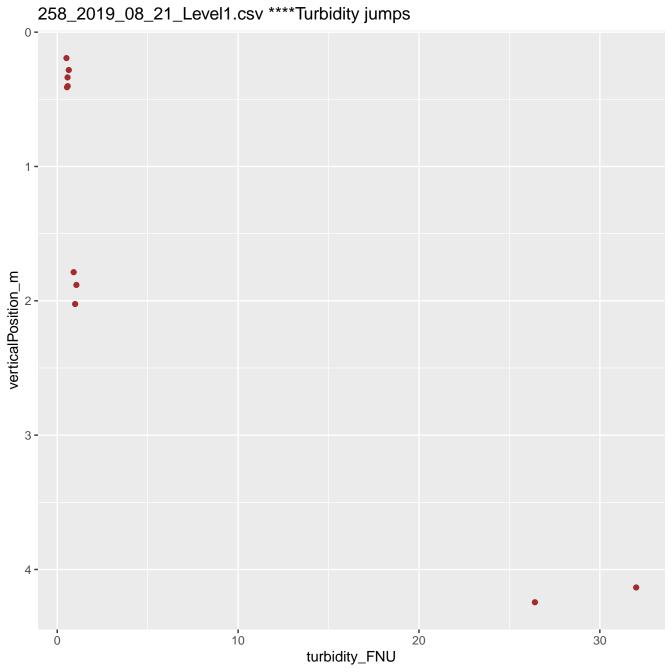


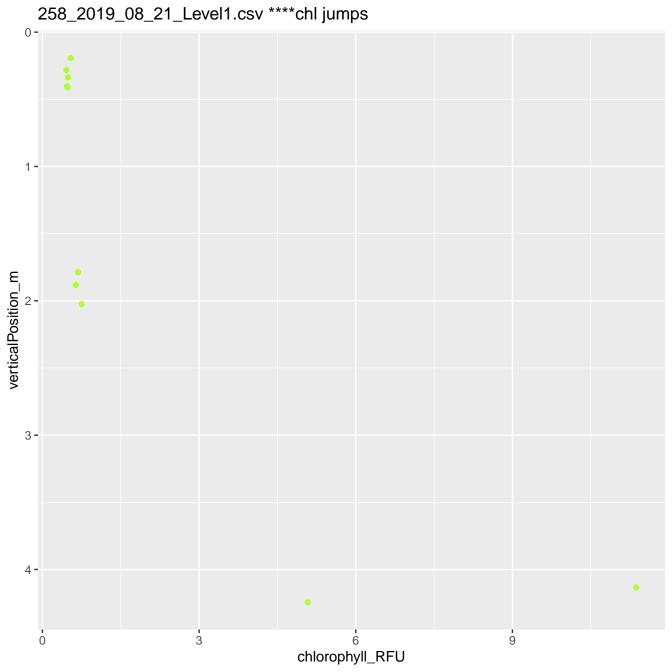


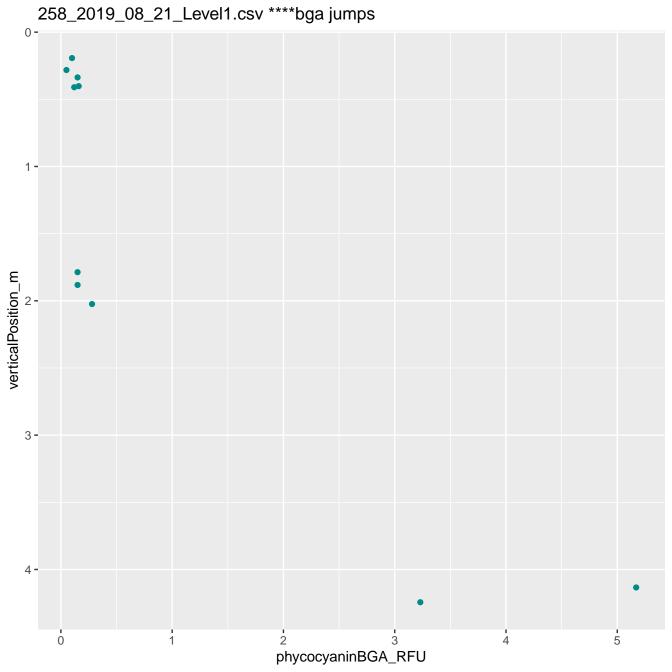


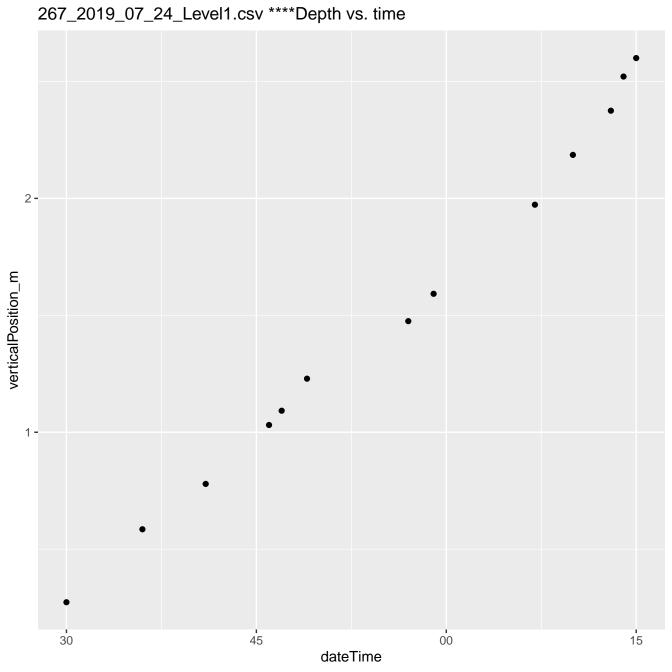


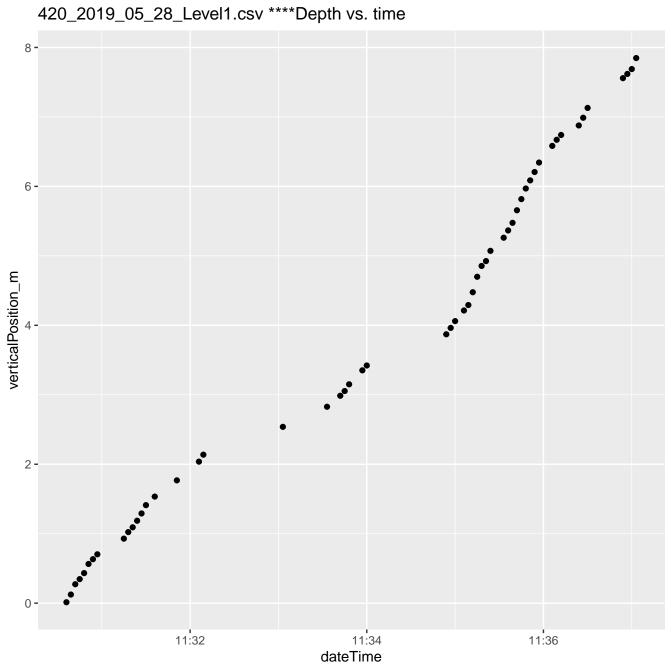


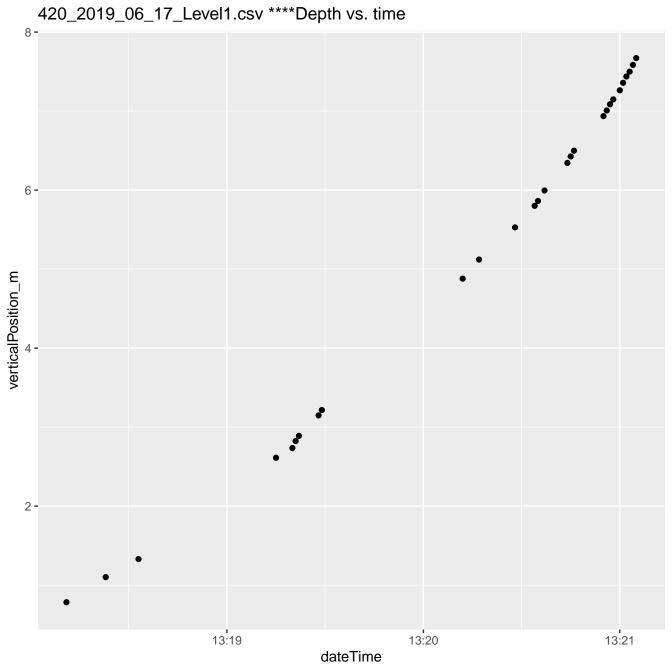


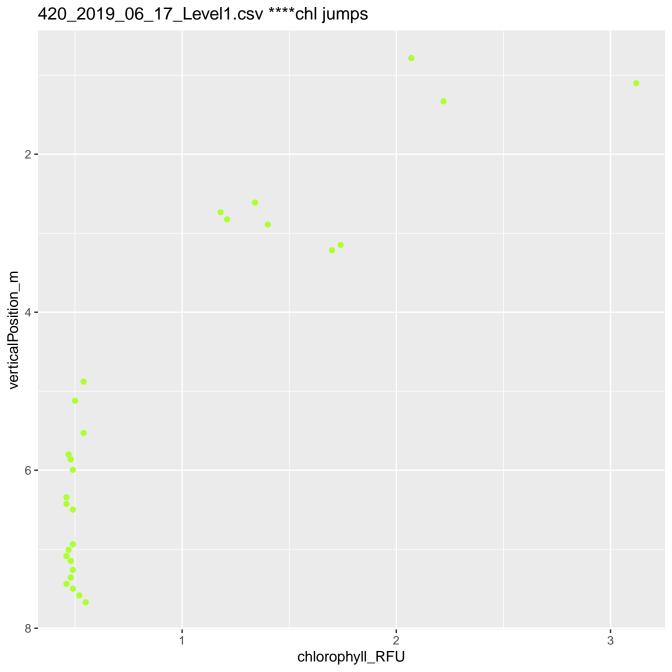


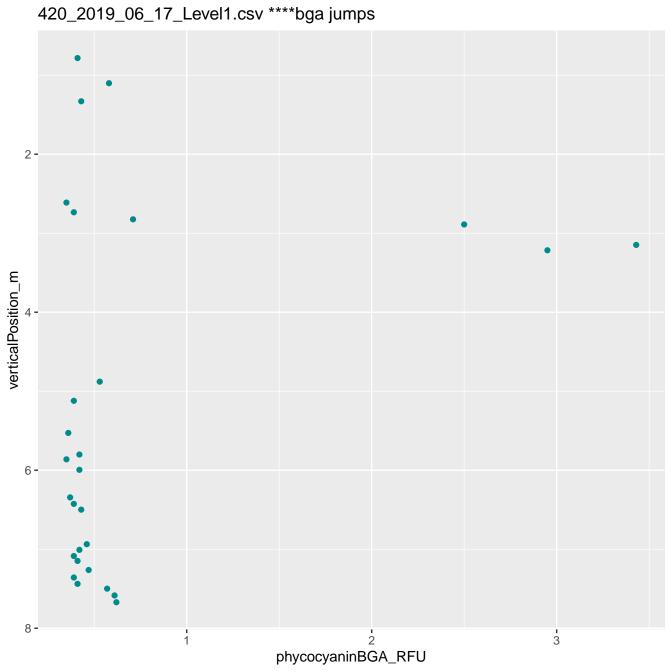


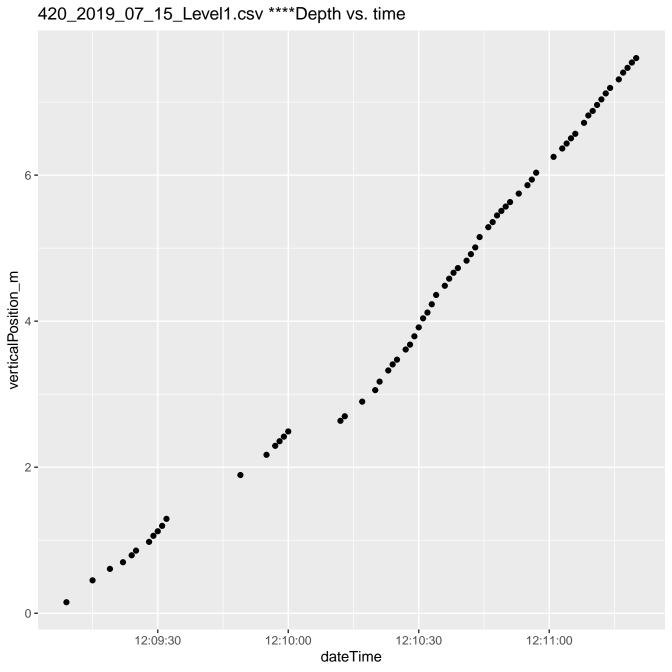


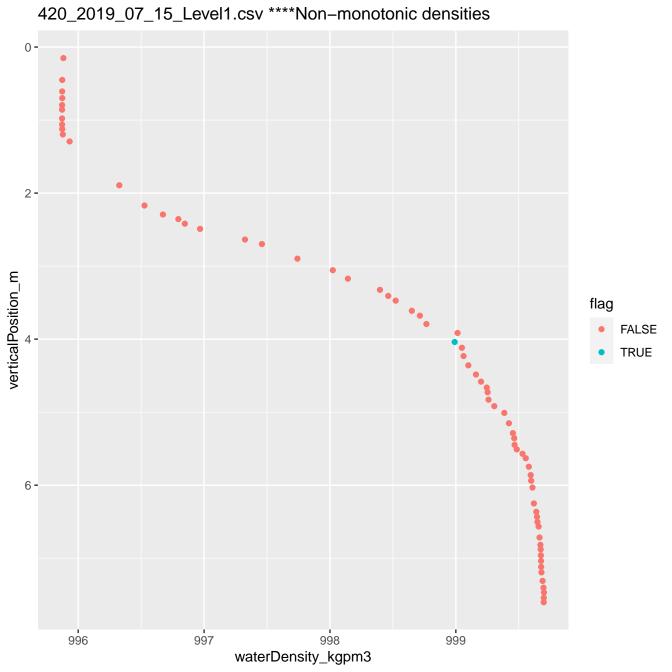


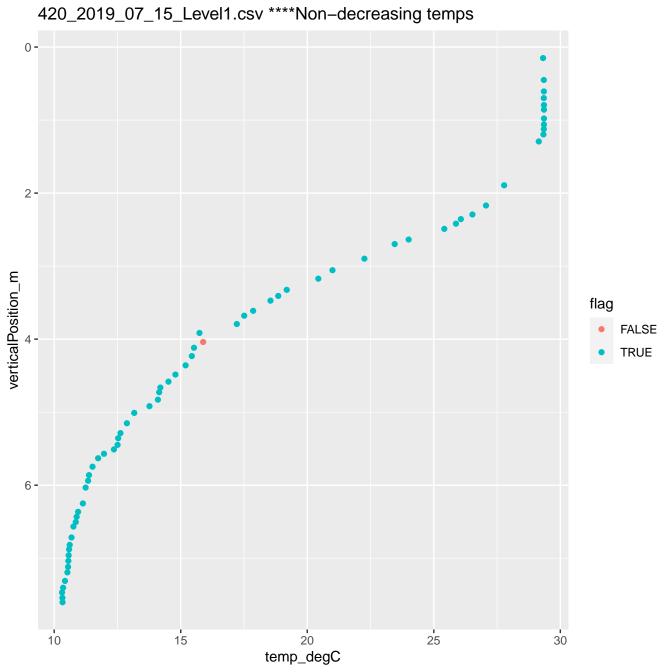


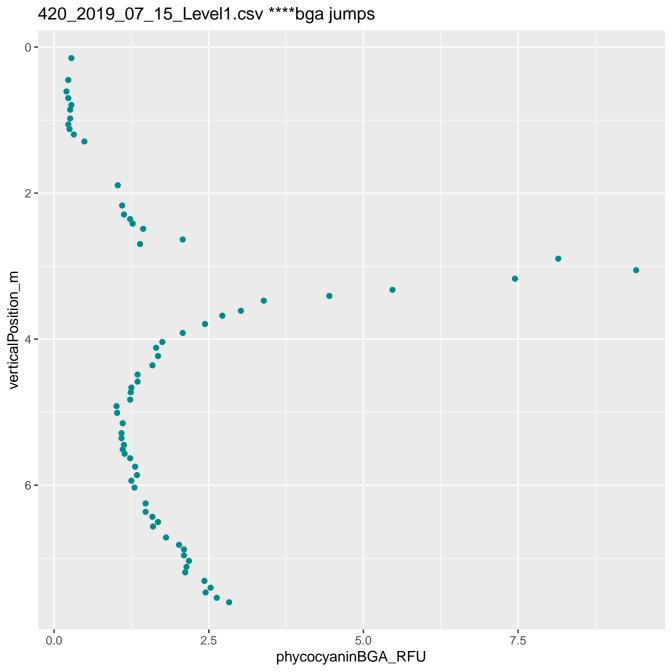


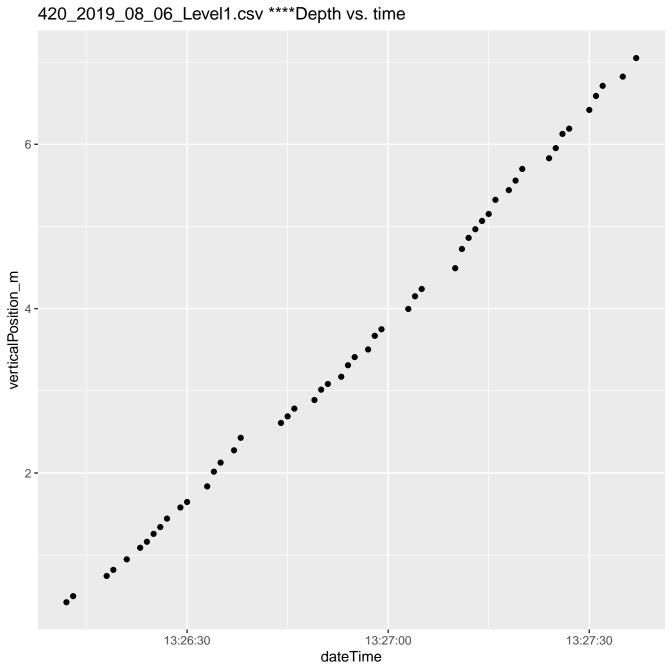


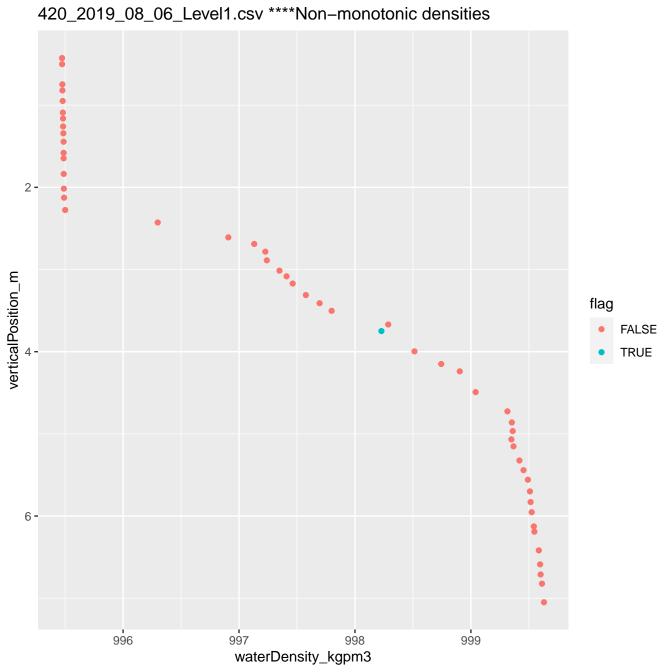


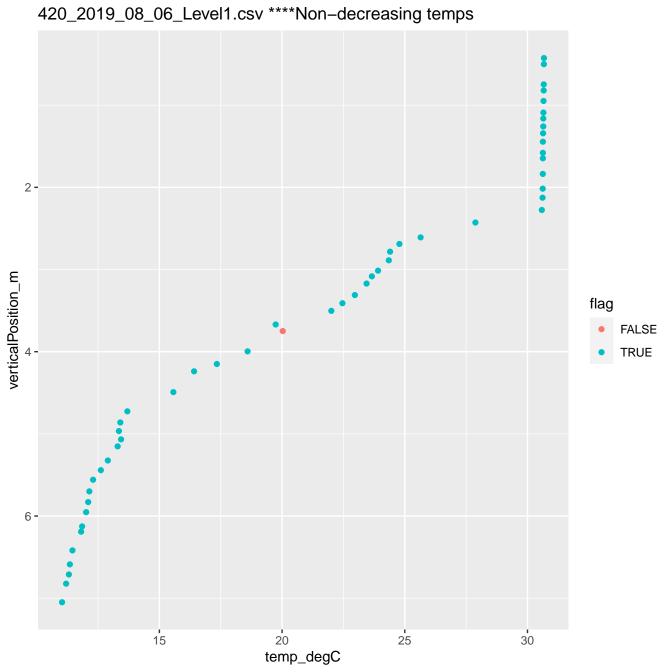


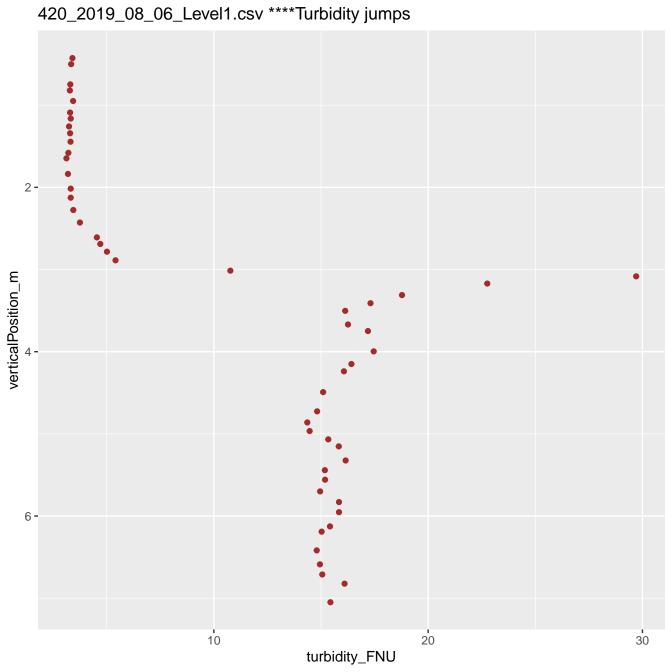


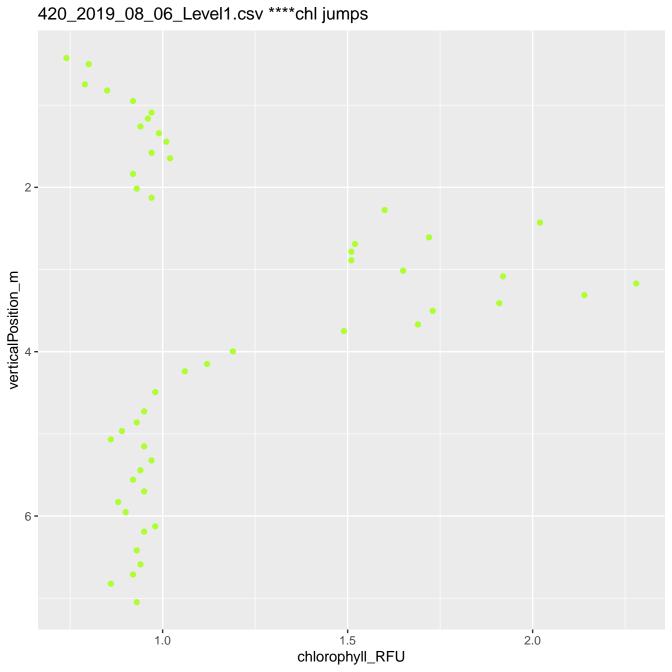


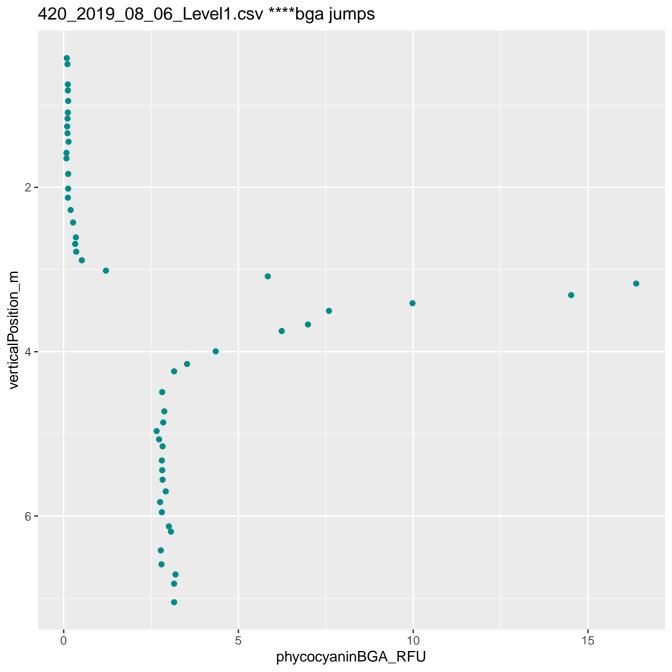


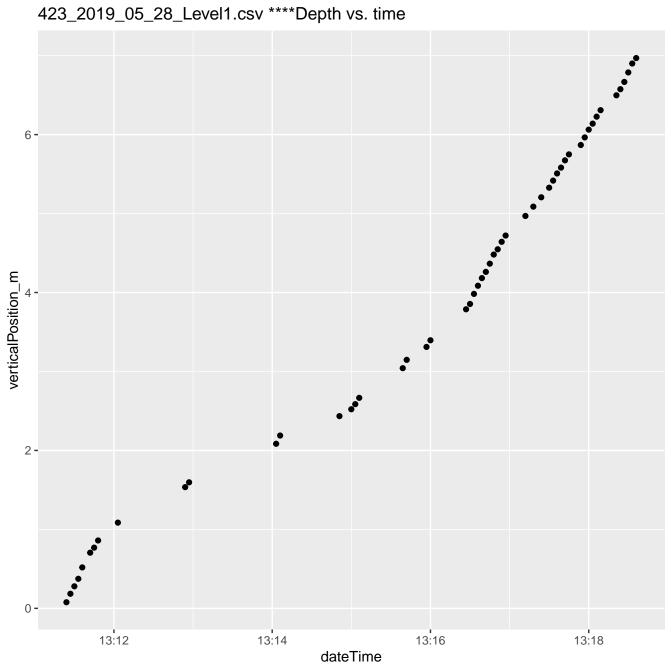


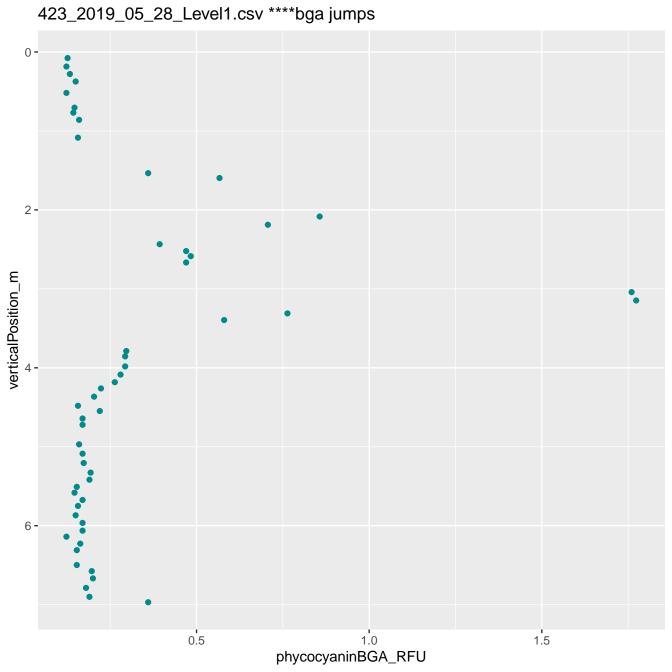






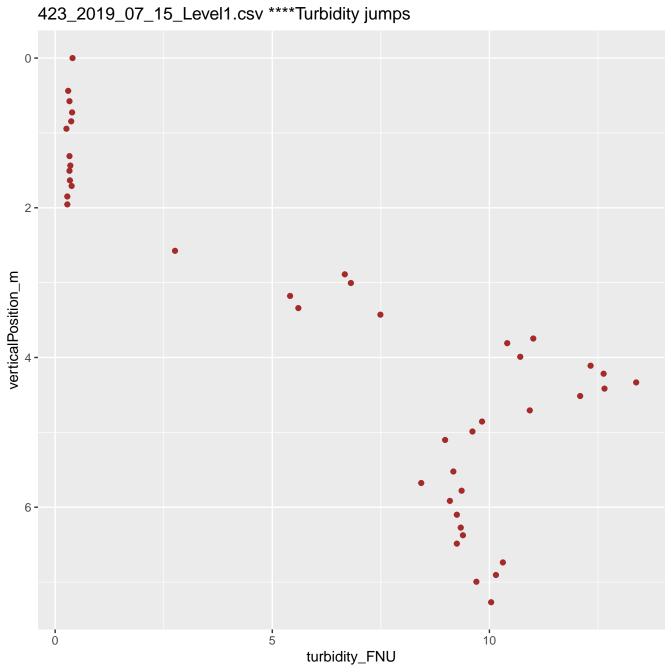


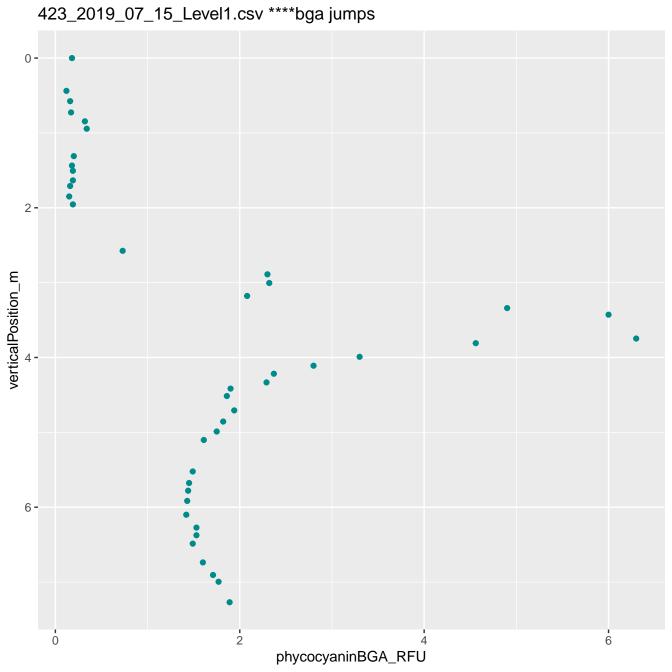


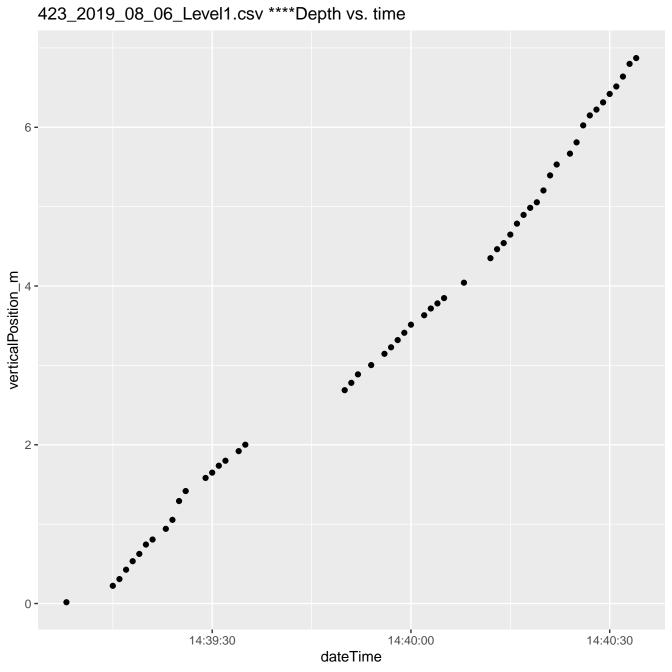


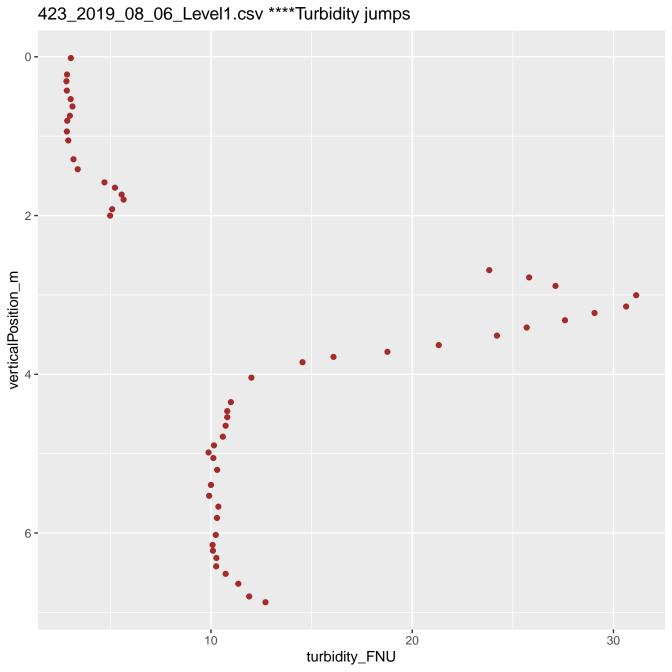
423_2019_07_15_Level1.csv ****Depth vs. time 6 verticalPosition_m 2 -0 -12:59:00 13:00:30 12:59:30 13:00:00 13:01:00

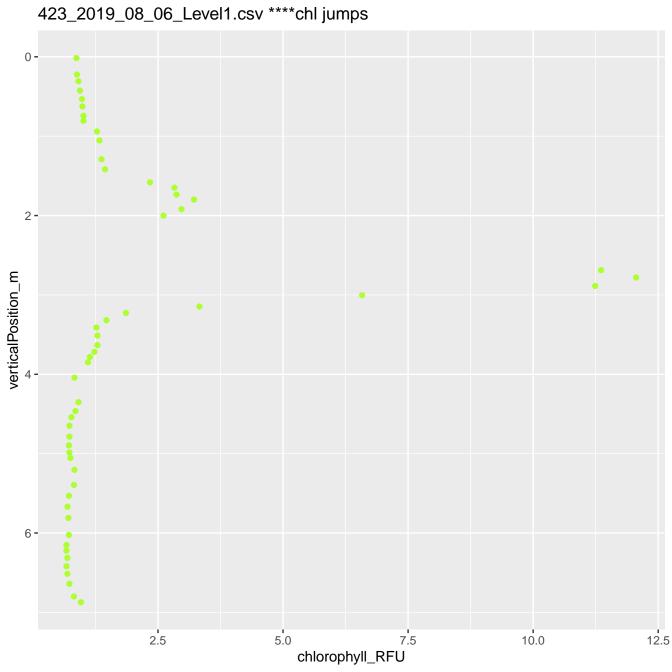
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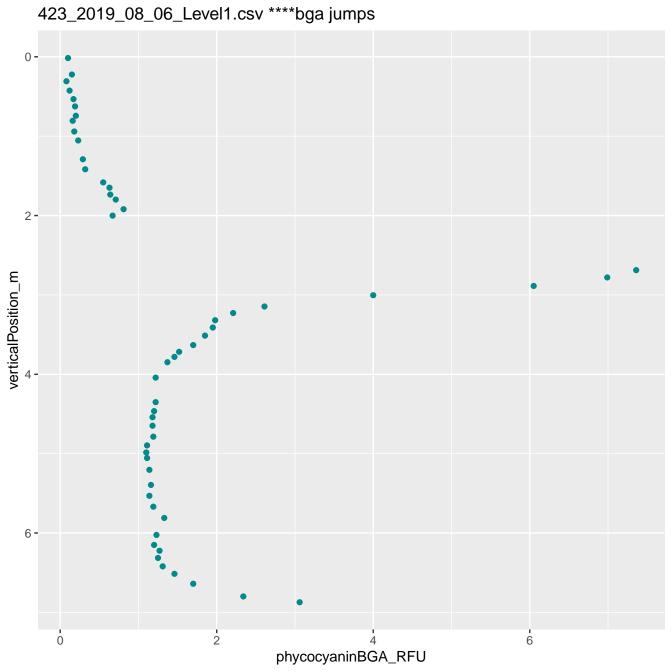


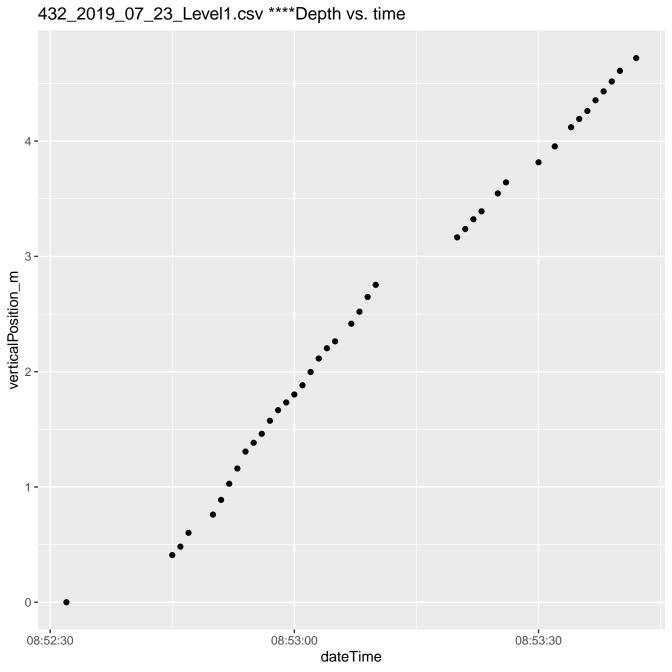


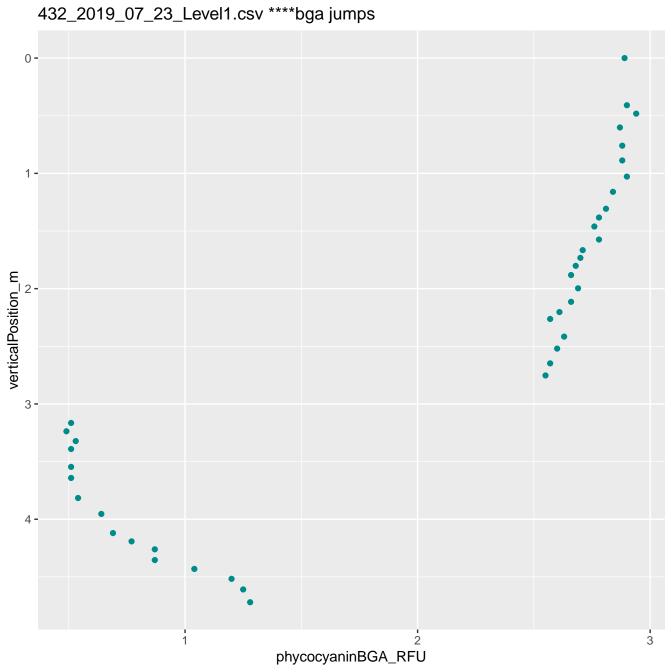


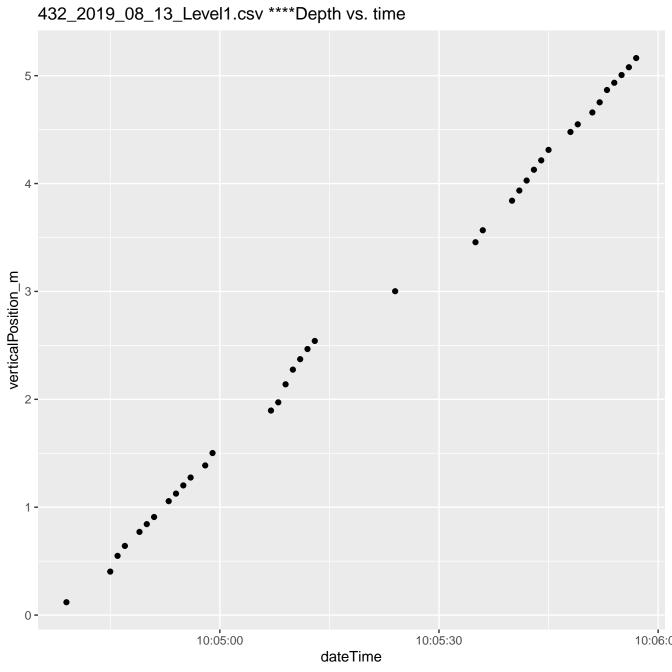












433_2019_07_23_Level1.csv ****Depth vs. time 2.1 -1.8 verticalPosition_m 1.2 -0.9 -10 15 20 25 30 dateTime

