For salinity sensor DST S12071: set to log every 1 minute. Checking the salinity at each deployment and recovery time using water samples.

1:32 pm - Placed salinity sensor in beaker with sample from 2022 08 19 bare sediment.   
Unpreserved sample (no Zn)

1:55 pm - removed DST sensor from beaker

1:58 pm - placed DST sensor in beaker with water sample from 2022 08 12 bare sediment. Contains 1 mL of ZnCl2 in 120 mL bottle.

2:20 pm - removed DST sensor from beaker

2:22 pm - placed DST sensor in beaker with water sample from 2022 08 12 eelgrass (with Zn preservative)

2:37 pm - removed DST sensor from beaker

2:41 pm - placed DST sensor in beaker with water sample from 2022 08 19 eelgrass (with Zn preservative)

3:05 pm: removed DST sensor from beaker

3:06 pm downloaded data sensor

Results shows that the salinity was similar at the start and end of the eelgrass deployment. The measured salinity is probably in error.

**For oxygen sensor**

Placed in bucket of air-equilibrated water at 14:00

Collected 6 winkler samples from 14:10 to 14:13

Bottles 17, 18, 23, 5, 19, 10

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At about 14:20 started adding hot water to the bucket. Then added yeast and sugar to remove oxygen. Covered with bubble wrap around 14:28.

Started sampling oxygen at 14:47-14:51. The samples gave a lot of precipitate so it seems that the yeast did not activate as desired.  
Bottles 14, 8, 9, 4, 22, 21

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Tried making a new bucket with new yeast preparation starting at 15:00 approx

15:04 added new yeast and sugar mixture to bucket. Temperature roughly 36 C. Covered in bubble wrap.

Collected oxygen samples 16:04 to 16:13

They were much lower oxygen this time

Bottles 1, 7, 11, 13, 15, 20