

Appendix B. YSI Sonde Calibration Logs and Routine Maintenance Log

Continuous YSI Sonde Calibration Log - Prior to Deployment (Page 1 of 2)

General:

Park _____
Date (mm/dd/yyyy) _____
Sonde/Datalogger ID _____
Technician _____

Prior to Monitoring:

Install new batteries ----- ☐
Autosleep on, 60-sec warm-up ----- ☐
Install new D.O. membrane ----- ☐
Install new ODO wiper ----- ☐
Install new turbidity wiper ----- ☐
Install new chl-a wiper ----- ☐
EDS brush replaced w/ new? * YES ----- NO
PAR brushes replaced w/ new? YES ----- NO
* Note: calibrate w/ standard turbidity wiper then
install EDS wiper-brush afterward.

Dissolved Oxygen Probe – rapid pulse (membrane):

D.O. Probe ID _____
High/Low transmission test Pass _____ Fail _____
Barometric pressure _____
DO mg/L reading after calibration: _____
D.O. charge _____ (acceptable range 25-75)
D.O. gain _____ (acceptable range 0.7-1.4)

AFTER 6-12 hours: Sonde must log for 6-12 hours after
a new membrane is installed, then recalibrate:

Barometric Pressure _____
D.O. charge _____ (acceptable range 25-75)
D.O. gain _____ (acceptable range 0.7-1.4)

Dissolved Oxygen Probe – ROX (optical):

ODO Probe ID _____
Barometric pressure _____
ODO % reading once stable: _____
DO mg/L reading after calibration: _____
ODO. gain _____ (acceptable range 0.85-1.15)

Conductivity/Temperature Probe :

Conductivity Probe ID _____
Conductivity standard used _____ mS/cm
Last value PRIOR to accepting cal. _____
Reading after calibration _____
Cell constant _____ (range 4.65-5.45)
Temperature check
Sonde _____
Reference _____

Chlorophyll Probe: continuous monitoring only (remember to activate wipers):

Chlorophyll Probe ID _____
D.I.: last value PRIOR to accepting cal. _____
Temperature of Rhotamine WT dye _____
Chl-a equivalent dye at this temperature: _____
DYE: last value PRIOR to accepting cal. _____
Reading after calibration: _____
Chlorophyll offset: _____
Wiper parks 180° from optics? YES NO

Turbidity Probe (remember to activate wipers):

Turbidity Probe ID _____
D.I.: last value PRIOR to accepting cal. _____
Turbidity standard used _____ NTUs
NTU: last value PRIOR to accepting cal. _____
Reading after calibration: _____
Turbidity offset: _____
Wiper parks 180° from optics? YES NO

Pressure/Depth:

Calibration completed ----- ☐
Barometric Pressure (mmHg) _____
Calibration offset: 0.00 meters or _____

Continuous YSI Sonde Calibration Log - Prior to Deployment (Page 2 of 2)

General:

Park _____
Date (mm/dd/yyyy) _____
Sonde/Datalogger ID _____

Sonde Programming

Memory free of old .dat files? (see SOP if NO!)-----☐
Check/Program Time (local time): -----☐
Enable pH sensor (required for PAR electronics)
Enable report parameters: Date, Time, Temp, SpCond., Sal,
DOsat, DOMg/l, DOchrg, Depth, Turbid+, Chl, Battery,
PAR1, PAR2. -----☐
Filename (use naming convention in SOP):

15-minumte logging-----☐
365 day duration-----☐
Logging activated -----☐
Activation Date (MM/DD/YYYY) _____
Activation Time (HH:MM local)_____

Notes:

LiCor PAR Sensor Calibration Comparison: (for continuous deployments only)

LiCor PAR sensor for **UPPER** position on sonde:

Sensor ID _____
In-air multiplier _____
In-water multiplier _____
Date of factory recalibration _____

LiCor PAR sensor for **LOWER** position on sonde:

Sensor ID _____
In-air multiplier _____
In-water multiplier _____
Date of factory recalibration _____

LiCor PAR **DECK** sensor

Sensor ID _____
In-air multiplier _____
Date of factory recalibration _____

Calibration Comparison Check

Date (MM/DD/YYYY) _____

Start Time (HH:MM) _____

1-Hr avg. for **UPPER** PAR _____

1-Hr avg. for **LOWER** PAR _____

1-hr avg. for **DECK** PAR _____

Notes on light conditions during check: _____

Continuous YSI Sonde Calibration Log - Post-Deployment

General:

Park _____
Date (mm/dd/yyyy) _____
Original Cal. Date (mm/dd/yyyy) _____
Sonde/Datalogger ID _____

Data Upload / File Retrieval:

File uploaded to PC in PC6000 format ----- ☐
File uploaded to PC in comma-delimited format --- ☐
Filename _____ .txt and .dat
Files burned to CD back-up ----- ☐
Both files confirmed readable ----- ☐
All data files deleted from sonde ----- ☐

BEFORE CLEANING

Dissolved Oxygen – rapid pulse (membrane):

High/Low transmission test Pass Fail
D.O. % saturation _____
Barometric pressure _____
D.O. charge _____ (acceptable range 25-75)

Dissolved Oxygen Probe – ROX (optical):

Barometric pressure _____
DO % reading once stable: _____
DO mg/L reading : _____
Wiper parks 180° from optics? YES NO

Conductivity/Temperature:

Conductivity standard used _____ mS/cm
Reading in standard _____
Temperature check _____
Sonde _____
Reference _____

Pressure/Depth:

Depth reading in air _____
Offset _____

Chlorophyll (remember to activate wipers):

Reading in D.I. _____
Reading in Rhotamine WT _____
Temperature of Rhotamine WT _____
Chl-a equivalent of Rhotamine WT dye at this temperature: _____
Wiper parks 180° from optics? YES NO

Turbidity (remember to activate wipers):

Reading in D.I. _____
Reading in turbidity standard _____
Turbidity standard used _____ NTUs
Wiper parks 180° from optics? YES NO

Notes:

AFTER CLEANING

Dissolved Oxygen:

High/Low transmission test Pass Fail
D.O. % saturation _____
Barometric pressure _____
D.O. charge _____ (acceptable range 25-75)
Dissolved Oxygen – ROX (optical):
D.O. % saturation _____
D.O.mg/L reading _____

Conductivity/Temperature:

Conductivity standard used _____ mS/cm
Reading in standard _____
Temperature check _____
Sonde _____
Reference _____

Pressure/Depth:

Depth reading in air _____

Chlorophyll (remember to activate wipers):

Reading in D.I. _____
Reading in Rhotamine WT _____
Temperature of Rhotamine WT _____
Chl-a equivalent of Rhotamine WT dye at this temperature: _____
Wiper parks 180° from optics? YES NO

Turbidity (remember to activate wipers):

Reading in D.I. _____
Reading in turbidity standard _____
Turbidity standard used _____ NTUs
Wiper parks 180° from optics? YES NO

LiCor PAR Sensor Calibration Comparison:

LiCor PAR **DECK** sensor ID _____
(use same as for pre-deployment check if possible)
In-air multiplier _____
Date of factory recalibration _____
Date (MM/DD/YYYY) _____
Start Time (HH:MM) _____
1-Hr avg. for **UPPER** PAR _____
1-Hr avg. for **LOWER** PAR _____
1-hr avg. for **DECK** PAR _____
Notes on light conditions during check: _____

Continuous YSI Sonde Deployment, Retrieval, and Routine Maintenance Log

General:

Park _____
Original Cal. Date (mm/dd/yyyy) _____
Sonde/Datalogger ID _____

Initial Deployment

Final DO calibration completed before leaving lab -- ☐
Date deployed (MM/DD/YYYY) _____
Time completed (HH:MM local) _____
Discrete Chlorophyll *a* grab sample taken ----- ☐
 Time (HH:MM local) _____
 Sample ID _____
LiCor PAR profile completed ----- ☐
 Time (HH:MM local) -----
NECBN Station Data Sheet attached ----- ☐
Notes: _____

Service Date 1

Discrete chlorophyll *a* grab sample taken ----- ☐
 Time (HH:MM local) _____
 Sample ID _____
LiCor PAR profile completed ----- ☐
 Time (HH:MM local) -----
NECBN Station Data Sheet attached ----- ☐
Notes: _____

Service Date 2

Discrete chlorophyll *a* grab sample taken ----- ☐
 Time (HH:MM local) _____
 Sample ID _____
LiCor PAR profile completed ----- ☐
 Time (HH:MM local) -----
NECBN Station Data Sheet attached ----- ☐
Notes: _____

Service Date 3

Discrete chlorophyll *a* grab sample taken ----- ☐
 Time (HH:MM local) _____
 Sample ID _____
LiCor PAR profile completed ----- ☐
 Time (HH:MM local) -----
NECBN Station Data Sheet attached ----- ☐
Notes: _____

Service Date 4

Discrete chlorophyll *a* grab sample taken ----- ☐
 Time (HH:MM local) _____
 Sample ID _____
LiCor PAR profile completed ----- ☐
 Time (HH:MM local) -----
NECBN Station Data Sheet attached ----- ☐
Notes: _____

Service Date 5

Discrete chlorophyll *a* grab sample taken ----- ☐
 Time (HH:MM local) _____
 Sample ID _____
LiCor PAR profile completed ----- ☐
 Time (HH:MM local) -----
NECBN Station Data Sheet attached ----- ☐
Notes: _____

Sonde Retrieval:

Retrieved date (MM/DD/YYYY) _____
Discrete chlorophyll *a* grab sample taken ----- ☐
 Time (HH:MM local) _____
 Sample ID _____
LiCor PAR profile completed ----- ☐
 Time (HH:MM local) -----
NECBN Station Data Sheet attached ----- ☐
Out-of-water time (HH:MM) _____
Notes: _____

Week 1 Spatial Survey YSI Sonde Calibration Log - Prior to Sampling

General:

Park _____
 Date (mm/dd/yyyy) _____
 Sonde/Datalogger ID _____
 Technician _____

Prior to Spatial Monitoring:

Check/program time (local time): _____ ☐
 Autosleep off, 4-sec interval _____ ☐
 Battery Volts _____
 If Voltage < 10.0V then replace batteries
 Batteries replaced? YES NO
 D.O. membrane replaced? YES NO
 D.O. wiper replaced? YES NO
 Turbidity wiper replaced? YES NO

Dissolved Oxygen Probe – rapid pulse (membrane):

D.O. Probe ID _____
 High/Low transmission test Pass _____ Fail
 Barometric pressure _____
 DO mg/L reading after calibration: _____
 D.O. charge _____ (acceptable range 25-75)
 D.O. gain _____ (acceptable range 0.7-1.4)

AFTER 6-12 hours: Sonde must log for 6-12 hours after a new membrane is installed, then recalibrate:

Barometric Pressure _____
 D.O. charge _____ (acceptable range 25-75)
 D.O. gain _____ (acceptable range 0.7-1.4)

Dissolved Oxygen Probe – ROX (optical):

ODO Probe ID _____
 Barometric pressure _____
 ODO % reading once stable: _____
 DO mg/L reading after calibration: _____
 ODO. gain _____ (acceptable range 0.85-1.15)

Conductivity/Temperature Probe :

Conductivity Probe ID _____
 Conductivity standard used _____ mS/cm
 Last value PRIOR to accepting cal. _____
 Value after calibration _____
 Cell constant _____ (range 4.65-5.45)
 Temperature check
 Sonde _____
 Reference _____

Turbidity Probe (remember to activate wipers):

Turbidity Probe ID _____
 D.I.: last value PRIOR to accepting cal. _____
 Turbidity standard used _____ NTUs
 NTU: last value PRIOR to accepting cal. _____
 Value after calibration _____
 Turbidity offset: _____
 Wiper parks 180° from optics? YES _____ NO

Pressure/Depth:

Calibration completed _____ ☐
 Barometric Pressure (mmHg) _____
 Calibration offset: 0.00 meters or _____

Sonde Programming

Memory free of old .dat files? (see SOP if NO!) _____ ☐
 Check/Program Time (local time): _____ ☐
 Enable report parameters:
 (Temp, SpCond., Sal, DOsat%, DOsat %Local, DO mg/l,
 DOchrg, Depth, TurbidityNTU+, BP, Battery) _____ ☐
 Set sample interval to 1-second _____ ☐

650MDS Programming

Memory free of old .dat files? (see SOP if NO!) _____ ☐
 Check/Program Time (local time): _____ ☐
 Select 4-digit year option _____ ☐
 Set shutoff time to 0 minutes _____ ☐
 “Power sonde” & “comma radix” NOT selected _____ ☐
 Program Site List using naming convention _____ ☐
 Select options to store lat, long & barometer _____ ☐

Notes:

Week 1 Spatial Survey YSI Sonde Calibration Log – Post Sampling

General:

Park _____
Date (mm/dd/yyyy) _____
Original Cal. Date (mm/dd/yyyy) _____
Sonde/Datalogger ID _____
Technician _____

Pressure/Depth:

Barometric Pressure (mmHg) _____
Depth reading in air _____

Data Upload / File Retrieval:

Files uploaded to PC in PC6000 format ----- ☐

Files uploaded to PC in comma-delimited format----- ☐

Files burned to CD back-up----- ☐

All files confirmed readable ----- ☐

All data files deleted from 650MDS ----- ☐

Dissolved Oxygen Probe – rapid pulse (membrane):

Barometric pressure _____
DO % reading once stable: _____
DO mg/L reading: _____
D.O. charge _____ (acceptable range 25-75)

Dissolved Oxygen Probe – ROX (optical):

Barometric pressure _____
 ODO % reading once stable: _____
 DO mg/L reading : _____
 Wiper parks 180° from optics? YES NO

Conductivity/Temperature Probe :

Conductivity standard used _____ mS/cm
Value in standard _____
Cell constant _____ (range 4.65-5.45)
Temperature check _____
Sonde _____
Reference _____

Turbidity Probe:

Reading in D.I. _____
 Reading in turbidity standard _____
 Turbidity standard used _____ NTUs
 Wiper parks 180° from optics? YES NO

Notes:

[illegible]

Week 2 Spatial Survey YSI Sonde Calibration Log - Prior to Sampling

General:

Park _____
 Date (mm/dd/yyyy) _____
 Sonde/Datalogger ID _____
 Technician _____

Prior to Spatial Monitoring:

Check/program time (local time): _____ ☐
 Autosleep off, 4-sec interval _____ ☐
 Battery Volts _____
 If Voltage < 10.0V then replace batteries
 Batteries replaced? YES NO
 D.O. membrane replaced? YES NO
 D.O. wiper replaced? YES NO
 Turbidity wiper replaced? YES NO

Dissolved Oxygen Probe – rapid pulse (membrane):

D.O. Probe ID _____
 High/Low transmission test Pass _____ Fail
 Barometric pressure _____
 DO mg/L reading after calibration: _____
 D.O. charge _____ (acceptable range 25-75)
 D.O. gain _____ (acceptable range 0.7-1.4)

AFTER 6-12 hours: Sonde must log for 6-12 hours after a new membrane is installed, then recalibrate:

Barometric Pressure _____
 D.O. charge _____ (acceptable range 25-75)
 D.O. gain _____ (acceptable range 0.7-1.4)

Dissolved Oxygen Probe – ROX (optical):

ODO Probe ID _____
 Barometric pressure _____
 ODO % reading once stable: _____
 DO mg/L reading after calibration: _____
 ODO. gain _____ (acceptable range 0.85-1.15)

Conductivity/Temperature Probe :

Conductivity Probe ID _____
 Conductivity standard used _____ mS/cm
 Last value PRIOR to accepting cal. _____
 Value after calibration _____
 Cell constant _____ (range 4.65-5.45)
 Temperature check
 Sonde _____
 Reference _____

Turbidity Probe (remember to activate wipers):

Turbidity Probe ID _____
 D.I.: last value PRIOR to accepting cal. _____
 Turbidity standard used _____ NTUs
 NTU: last value PRIOR to accepting cal. _____
 Value after calibration _____
 Turbidity offset: _____
 Wiper parks 180° from optics? YES _____ NO

Pressure/Depth:

Calibration completed _____ ☐
 Barometric Pressure (mmHg) _____
 Calibration offset: 0.00 meters or _____

Sonde Programming

Memory free of old .dat files? (see SOP if NO!) _____ ☐
 Check/Program Time (local time): _____ ☐
 Enable report parameters:
 (Temp, SpCond., Sal, DOsat%, DOsat %Local, DO mg/l,
 DOchrg, Depth, TurbidityNTU+, BP, Battery) _____ ☐
 Set sample interval to 1-second _____ ☐

650MDS Programming

Memory free of old .dat files? (see SOP if NO!) _____ ☐
 Check/Program Time (local time): _____ ☐
 Select 4-digit year option _____ ☐
 Set shutoff time to 0 minutes _____ ☐
 “Power sonde” & “comma radix” NOT selected _____ ☐
 Program Site List using naming convention _____ ☐
 Select options to store lat, long & barometer _____ ☐

Notes:

Week 2 Spatial Survey YSI Sonde Calibration Log – Post Sampling

General:

Park _____
Date (mm/dd/yyyy) _____
Original Cal. Date (mm/dd/yyyy) _____
Sonde/Datalogger ID _____
Technician _____

Pressure/Depth:

Barometric Pressure (mmHg) _____
Depth reading in air _____

Data Upload / File Retrieval:

Files uploaded to PC in PC6000 format ----- ☐

Files uploaded to PC in comma-delimited format----- ☐

Files burned to CD back-up----- ☐

All files confirmed readable ----- ☐

All data files deleted from 650MDS ----- ☐

Dissolved Oxygen Probe – rapid pulse (membrane):

Barometric pressure _____
DO % reading once stable: _____
DO mg/L reading: _____
D.O. charge _____ (acceptable range 25-75)

Dissolved Oxygen Probe – ROX (optical):

Barometric pressure _____
 ODO % reading once stable: _____
 DO mg/L reading : _____
 Wiper parks 180° from optics? YES NO

Conductivity/Temperature Probe :

Conductivity standard used _____ mS/cm
Value in standard _____
Cell constant _____ (range 4.65-5.45)
Temperature check _____
Sonde _____
Reference _____

Turbidity Probe:

Reading in D.I. _____
 Reading in turbidity standard _____
 Turbidity standard used _____ NTUs
 Wiper parks 180° from optics? YES NO

Notes:

[illegible]

Week 3 Spatial Survey YSI Sonde Calibration Log - Prior to Sampling

General:

Park _____
 Date (mm/dd/yyyy) _____
 Sonde/Datalogger ID _____
 Technician _____

Prior to Spatial Monitoring:

Check/program time (local time): _____ ☐
 Autosleep off, 4-sec interval _____ ☐
 Battery Volts _____
 If Voltage < 10.0V then replace batteries
 Batteries replaced? YES NO
 D.O. membrane replaced? YES NO
 D.O. wiper replaced? YES NO
 Turbidity wiper replaced? YES NO

Dissolved Oxygen Probe – rapid pulse (membrane):

D.O. Probe ID _____
 High/Low transmission test Pass _____ Fail
 Barometric pressure _____
 DO mg/L reading after calibration: _____
 D.O. charge _____ (acceptable range 25-75)
 D.O. gain _____ (acceptable range 0.7-1.4)

AFTER 6-12 hours: Sonde must log for 6-12 hours after a new membrane is installed, then recalibrate:

Barometric Pressure _____
 D.O. charge _____ (acceptable range 25-75)
 D.O. gain _____ (acceptable range 0.7-1.4)

Dissolved Oxygen Probe – ROX (optical):

ODO Probe ID _____
 Barometric pressure _____
 ODO % reading once stable: _____
 DO mg/L reading after calibration: _____
 ODO. gain _____ (acceptable range 0.85-1.15)

Conductivity/Temperature Probe :

Conductivity Probe ID _____
 Conductivity standard used _____ mS/cm
 Last value PRIOR to accepting cal. _____
 Value after calibration _____
 Cell constant _____ (range 4.65-5.45)
 Temperature check
 Sonde _____
 Reference _____

Turbidity Probe (remember to activate wipers):

Turbidity Probe ID _____
 D.I.: last value PRIOR to accepting cal. _____
 Turbidity standard used _____ NTUs
 NTU: last value PRIOR to accepting cal. _____
 Value after calibration _____
 Turbidity offset: _____
 Wiper parks 180° from optics? YES _____ NO

Pressure/Depth:

Calibration completed _____ ☐
 Barometric Pressure (mmHg) _____
 Calibration offset: 0.00 meters or _____

Sonde Programming

Memory free of old .dat files? (see SOP if NO!) _____ ☐
 Check/Program Time (local time): _____ ☐
 Enable report parameters:
 (Temp, SpCond., Sal, DOsat%, DOsat %Local, DO mg/l,
 DOchrg, Depth, TurbidityNTU+, BP, Battery) _____ ☐
 Set sample interval to 1-second _____ ☐

650MDS Programming

Memory free of old .dat files? (see SOP if NO!) _____ ☐
 Check/Program Time (local time): _____ ☐
 Select 4-digit year option _____ ☐
 Set shutoff time to 0 minutes _____ ☐
 “Power sonde” & “comma radix” NOT selected _____ ☐
 Program Site List using naming convention _____ ☐
 Select options to store lat, long & barometer _____ ☐

Notes:

Week 3 Spatial Survey YSI Sonde Calibration Log – Post Sampling

General:

Park _____
Date (mm/dd/yyyy) _____
Original Cal. Date (mm/dd/yyyy) _____
Sonde/Datalogger ID _____
Technician _____

Pressure/Depth:

Barometric Pressure (mmHg) _____
Depth reading in air _____

Data Upload / File Retrieval:

Files uploaded to PC in PC6000 format ----- ☐

Files uploaded to PC in comma-delimited format----- ☐

Files burned to CD back-up----- ☐

All files confirmed readable ----- ☐

All data files deleted from 650MDS ----- ☐

Dissolved Oxygen Probe – rapid pulse (membrane):

Barometric pressure _____
DO % reading once stable: _____
DO mg/L reading: _____
D.O. charge _____ (acceptable range 25-75)

Dissolved Oxygen Probe – ROX (optical):

Barometric pressure _____
 ODO % reading once stable: _____
 DO mg/L reading : _____
 Wiper parks 180° from optics? YES NO

Conductivity/Temperature Probe :

Conductivity standard used _____ mS/cm
Value in standard _____
Cell constant _____ (range 4.65-5.45)
Temperature check _____
Sonde _____
Reference _____

Turbidity Probe:

Reading in D.I. _____
 Reading in turbidity standard _____
 Turbidity standard used _____ NTUs
 Wiper parks 180° from optics? YES NO

Notes:

[illegible]

Week 4 Spatial Survey YSI Sonde Calibration Log - Prior to Sampling

General:

Park _____
 Date (mm/dd/yyyy) _____
 Sonde/Datalogger ID _____
 Technician _____

Prior to Spatial Monitoring:

Check/program time (local time): _____ ☐
 Autosleep off, 4-sec interval _____ ☐
 Battery Volts _____
 If Voltage < 10.0V then replace batteries
 Batteries replaced? YES NO
 D.O. membrane replaced? YES NO
 D.O. wiper replaced? YES NO
 Turbidity wiper replaced? YES NO

Dissolved Oxygen Probe – rapid pulse (membrane):

D.O. Probe ID _____
 High/Low transmission test Pass _____ Fail
 Barometric pressure _____
 DO mg/L reading after calibration: _____
 D.O. charge _____ (acceptable range 25-75)
 D.O. gain _____ (acceptable range 0.7-1.4)

AFTER 6-12 hours: Sonde must log for 6-12 hours after a new membrane is installed, then recalibrate:

Barometric Pressure _____
 D.O. charge _____ (acceptable range 25-75)
 D.O. gain _____ (acceptable range 0.7-1.4)

Dissolved Oxygen Probe – ROX (optical):

ODO Probe ID _____
 Barometric pressure _____
 ODO % reading once stable: _____
 DO mg/L reading after calibration: _____
 ODO. gain _____ (acceptable range 0.85-1.15)

Conductivity/Temperature Probe :

Conductivity Probe ID _____
 Conductivity standard used _____ mS/cm
 Last value PRIOR to accepting cal. _____
 Value after calibration _____
 Cell constant _____ (range 4.65-5.45)
 Temperature check
 Sonde _____
 Reference _____

Turbidity Probe (remember to activate wipers):

Turbidity Probe ID _____
 D.I.: last value PRIOR to accepting cal. _____
 Turbidity standard used _____ NTUs
 NTU: last value PRIOR to accepting cal. _____
 Value after calibration _____
 Turbidity offset: _____
 Wiper parks 180° from optics? YES _____ NO

Pressure/Depth:

Calibration completed _____ ☐
 Barometric Pressure (mmHg) _____
 Calibration offset: 0.00 meters or _____

Sonde Programming

Memory free of old .dat files? (see SOP if NO!) _____ ☐
 Check/Program Time (local time): _____ ☐
 Enable report parameters:
 (Temp, SpCond., Sal, DOsat%, DOsat %Local, DO mg/l,
 DOchrg, Depth, TurbidityNTU+, BP, Battery) _____ ☐
 Set sample interval to 1-second _____ ☐

650MDS Programming

Memory free of old .dat files? (see SOP if NO!) _____ ☐
 Check/Program Time (local time): _____ ☐
 Select 4-digit year option _____ ☐
 Set shutoff time to 0 minutes _____ ☐
 “Power sonde” & “comma radix” NOT selected _____ ☐
 Program Site List using naming convention _____ ☐
 Select options to store lat, long & barometer _____ ☐

Notes:

Week 4 Spatial Survey YSI Sonde Calibration Log – Post Sampling

General:

Park _____
Date (mm/dd/yyyy) _____
Original Cal. Date (mm/dd/yyyy) _____
Sonde/Datalogger ID _____
Technician _____

Pressure/Depth:

Barometric Pressure (mmHg) _____
Depth reading in air _____

Data Upload / File Retrieval:

Files uploaded to PC in PC6000 format ----- ☐

Files uploaded to PC in comma-delimited format----- ☐

Files burned to CD back-up----- ☐

All files confirmed readable ----- ☐

All data files deleted from 650MDS ----- ☐

Dissolved Oxygen Probe – rapid pulse (membrane):

Barometric pressure _____
DO % reading once stable: _____
DO mg/L reading: _____
D.O. charge _____ (acceptable range 25-75)

Dissolved Oxygen Probe – ROX (optical):

Barometric pressure _____
 ODO % reading once stable: _____
 DO mg/L reading : _____
 Wiper parks 180° from optics? YES NO

Conductivity/Temperature Probe :

Conductivity standard used _____ mS/cm
Value in standard _____
Cell constant _____ (range 4.65-5.45)
Temperature check _____
Sonde _____
Reference _____

Turbidity Probe:

Reading in D.I. _____
 Reading in turbidity standard _____
 Turbidity standard used _____ NTUs
 Wiper parks 180° from optics? YES NO

Notes:

[illegible]