

Tree Flux Data

Date: 10-18-2022
Personnel: Mike + Samuel

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measure- ment Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
FLK 30	YMS A 5	Red Mangrove	3	LGR3	B4	0	11.0	31.0	29.9		13:53 26	13:53 10	0 is 1 m above water level 1/2 of prop roots
					B4	50cm	10.9	30.8			14:16 00	14:19 00	Water level is 13 cm above soil
													LGR3 connected to WiFi, WiFi was connected
				LGR3	A3	root1	7.2	30.9			14:27 08	14:30 08	40cm above water
					A6	root 2	4.0	30.9			14:33 00	14:36 00	5cm above water
						↓ (note)	small spike in CH4						limit of smallest chamber, lateral ray water level 21 cm
FLM 30	YMS b	Black Mang rove	3	LGR3	B4	0	11.3	31.6	29.7		14:52 -10	14:55 10	water level 21 cm
					B4	50cm	11.3	30.3	0		15:01 30	15:09 31	above soil
					B4	60cm	9.9	30.5	0		15:12 15	15:15 15	

10/18/16

Weather:
Notes:

mostly cloudy

System Time: 13:49
Real Time: 13:17
Logging Frequency: 15File: 10000, 10001
OVER

plot	tree	sp	Analyzer	pos.	∅	Tarp stem	Tarp fir	start	end	Note
ELM 30	YMS 7	Black mangrove	L6R3	0	14.6	294	28.8	15:26 56	15:30 68	water 12 cm above soil
				50	10.4	308		15:36	15:31	
				100	10.9	310		15:42 25	15:56 25	0.5 m above net

Baker
 @ approx
 1.5 m
 above
 water
 soil level

Adams/Gewirtzman - BLUEFLUX Tree Methane
Tree Flux Data

Date: 10/23/22
Personnel: DB & FMA

✓
maybe CH4
pushing out pores/
holes on other
sides of
stem

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measure- ment Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
CP20	793	Avic.	2	LGR3	B3	0	9.8	25.7	28.3	25.3	11:22:58	11:39:20	trees 790 & 793 have same base 17 mins b/c CH4 was ↓ and then stabilizing
				LGR3	B3	50	8.8	28.6			12:19:00 12:05:00	12:24:00 12:17	
				LGR3	A6	100	7.5	27.6	30.1	25.6	12:40:46	12:45:00	
CP20	812	Avic.	2	LGR3	D1	0	43.9	27.1	28.6	24.3	13:20:00	13:30:00	had weird dips but went right back to normal, no sign of leaks → 21 cm above surface of H ₂ O • 3 bored holes where chamber is at
				LGR3	D1	50	30.3 27.8	28.8	29.8	24.7	13:42:40	13:48:30	
				LGR3	C4	100	26.4	28.6	30.8	24.7	14:04:00	14:09:00	same base as 810
CP20	810	Avic	2	LGR3	D1	0	32.2	28.7	27.2	25.2	14:35:00	14:42:00	→ 16 cm above H ₂ O
				LGR3	D1	50	30.8	29.6	30.3	24.3	15:06:30	15:11:30	
				LGR3	D1	100	23.7	30.9	23.6	25.8	15:26:01	15:29:30	

10/23.4

System Time: 11:45
Real Time: 11:32
Logging Frequency: 1 Hz

Weather:
Notes:

Adams/Gewirtzman - BLUEFLUX Tree Methane

Tree Flux Data

Date:
Personnel:

10/21/2022

grin? & Mike?

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measure- ment Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
SRSS	655	red mangrove		LFR3	B5	0	12.2 cm	21.7	17.6	26.2	11:22:49	11:27:09	
						50	11.4	21.8			11:33:05	11:37:37	
						100	10.4	21.6			11:44:55	11:48	
						A3	small root	5.9	21.3		11:52:53	11:56:34	
							big root	6.4	21.0		11:59:16	12:02:22	
006	006	white mangrove		CS	O	0	31.2	22.0	16.8	25.7	12:16:19	12:19:31	
						D1	0	31.2	22.0	16.8	12:33:55	12:36:55	
						C1	50	29.3	21.7		12:45:04	12:48:16	
						C1	100	28.4	21.2		12:56:32	12:59:30	12:59:40
						A3	root	NA	20.2		13:05:05	13:08:20	

Weather: cloudy, light breeze, drier
Notes: coolSystem Time: 11:47:13
Real Time: 11:35
Logging Frequency: 15

Adams/Gewirtzman - BLUEFLUX Tree Methane

Tree Flux Data

Date:
Personnel:

10/23/2022

Jon & Jessie ✓

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measurement Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
CP40	808	black mangrove	2	LGR2	C3	0	37.2	23.7	30.7	26.3	12:44:11 12:31:00	12:35:00	
				LGR2	C3	50	26.2	22.6			12:37:30	12:40:30	
				LGR2	C3	100	25.3	24.8			12:44:30	12:49:00	
CP40	799		2	LGR2	C3	0		24.3			13:49:00 13:28:00	13:52:00 13:31:00	26 cm above soil 10 cm water depth
				LGR2	C3	50		29.6			13:46:30	13:49:30	
				LGR2	C3	100		27.7			14:13:00	14:16:00	

10/23.1 ✓

System Time: 12:32
Real Time: 11:51
Logging Frequency:Weather:
Notes:

Adams/Gewirtzman - BLUEFLUX Tree Methane
Tree Flux Data

Date:
Personnel:

10/23
Jon. Sam

✓

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measure- ment Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Water Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
CP40 CWD 807	Black mangrove	3	LGR2 AS	X	11P	31.5	32.0	700 deep	10:07 80	10:08 00			
CP40	CWD Untaged 1	Black mangrove?	2-3	LGR2	A4 NA	14.3	31.0	31.2	700 dep	16:10:00	16:12:00	on ground, just above water surface	

10/23.3

System Time:
Real Time:
Logging Frequency:

Weather:
Notes:

Bewirtzman - BLUEFLUX Tree Methane
Flux Data

Date: 22/10/17
Personnel: Jb

✓

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measure- ment Position	Tree Diameter	Temp_stem .C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
SPS6	Sug 1	red	severe	LG2	A4	on					141300	141700	bush mostly gone. many hollows.
	"	"	"	"	A4	soam					141900	142200	measurement over hole in stem
	"	"	"	"	A4	100cm					142400	142700	
SPS6	"	"	"	"	A4	root					143500	143900	
CWD1	CWD1	red	rotting (2-3)	LG2	B5	wood	15.5	30.5			150600	150900	
545	CWD2	white	rotting (2-3)	"	B5	wood	16	29.6			151530	151830	
546	CWD3	white	rotting (2-3)	"	B5	wood	18.5	30.3			152700	153000	
	CWD4												
	CWD5												

10/17.1

System Time:
Real Time:
Logging Frequency:

Weather:
Notes:

Adams/Gewirtzman - BLUEFLUX Tree Methane Tree Flux Data

Date: 10/17/22
Personnel: JK

10/17.2

System Time:
Real Time:
Logging Frequency:

Weather:
Notes:

Adams/Gewirtzman - BLUEFLUX Tree Methane
Tree Flux Data

Date: 22/01/17
Personnel: JG ✓

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measure- ment Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
SFS6 axiside plot	black	Live	Ld2	B5	0	13.5	26.3				125730	130030	
				B5	50	13	26.9				130500	130900	
				B5	100	13	26.0				131215	131515	
SFS6 survive plot	red	Live	Ld2	C1	0	33	29.2				132400	133800	60cm above surface
				C1	50	27	28.1				133800	134100	
				C1	100	26	28.1				134330	134630	
				A4	foot above ground	13.5	28.4				140200	140500	
				A4	root in soil	3.5	27.0				135600	135900	

10/17.3

System Time:
Real Time:
Logging Frequency:

Weather:
Notes:

Adams/Gewirtzman - BLUEFLUX Tree Methane

Date: 22/10/17
Personnel: SG

Tree Flux Data

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measure- ment Position	Tree Diameter	Temp_stem . (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
305b	231	Black	Live	CO ₂	CT	0	25.9	26.5			11:06:00	11:11:00	
						50	22.5	26.0			11:18:00	11:22:00	
						100	23	26.9			11:42:00	11:47:00	
						pneum					11:52:30	11:55:30	
						pneum					12:03:45	12:06:45	
305b	231	Black	Live	CO ₂	Cl	0m	22	25.9			12:19:45	12:21:45	
						50cm	22.5	26.1			12:24:30	12:26:30	
						1m	22	25.6			12:43:00	12:45:06	

10/17.4

System Time: 11:56
Real Time: 11:59
Logging Frequency: 1 Hz

Weather: overcast, low tide.

Adams/Gewirtzman - BLUEFLUX Tree Methane Tree Flux Data

Date: 6/10-17-22
Personnel: A A

10/17.5

System Time:
Real Time:
Logging Frequency:

Weather:
Notes:

Adams/Gewirtzman - BLUEFLUX Tree Methane

Tree Flux Data

Date: 10-16-2022
Personnel: Mike & Samwel ✓

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measure- ment Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
503	Red mon root	LUR ³		C5	0m	23.0	27.4	26.5	26.8	12:57 50	13:00 51	85 cm → above soil	
				C5	50cm	22.3	27.6			13:04 05	13:07 06		
				C5	1m	21.5	27.5			13:11 08	13:14 07		
				A6	root	7.0	27.8			13:19 16	13:22 22		
								27.3					
39	Red mon	LUR ³		B4	0m	18.1	27.1	28.1	26.8	13:32 08	13:35 09	94 cm → above soil	
				B4	50cm	18.2	28.2	28.2		13:39 25	13:42 25	lots of lenticels	
				B4	1m	17.3	27.8			13:49 19	13:52 20		
				A7	Root big	6.9	27.1			13:59 24	14:02 24		
				A7	Root small	5.5	27.0			14:05 09	14:08 10		

10/16/1

System Time:
Real Time:
Logging Frequency:Weather:
Notes:

Adams/Gewirtzman - BLUEFLUX Tree Methane

Tree Flux Data

Date _____
Personnel _____

Patent No. 1

Date: 10-17-22
Personnel: Mike + Sonja

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	ChamberID	Measure- ment Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
	501	Red Mangrove	30	LGR3	C5	50 cm	17.2 cm	26.5	27.1	27.4	10:59 33	11:02 33	
					B3	1 m	17.7 cm	26.8			11:19 05	11:22 33	
					C5	0 cm	16.1	27.1			11:09 35	11:12 35	
					A5	Root	6	27			11:22 15	11:30 30	
	36	Red Mangrove	30	LGR3							12:04	12:11	
	434	Red Mangrove	30	LGR3	B4	0 cm	13.3	26.4	25.6	26.8	12:14 39	12:17 38	
					B4	50 cm	12.3	26.2			12:21 04	12:24 10	
											12:29 31	12:32 32	
					B4	1 m	12.1	26.0			12:42 44		
					A6	Root	5.9	27.0			12:42 44	12:45 45	

→ 60 cm above soil

10/17.6

System Time:
Real Time:
Logging Frequency:

Weather:
Notes:

Pims/Gewirtzman - BLUEFLUX Tree Methane
Flux Data

Date: 10-23-22

Personnel:

Mike, Son Sunmi ✓

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measure- ment Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
CP40	809	Black	2	LGR2	C3	0m	27.0	33.7	30.8	25.6	14:23:00	14:26:00	O=25 cm from bottom
					C3	50cm	24.9		30.4	36	14:38:10	14:41:20	Water 10cm more like 60cm ↑
					C3	100cm	23.5			30.6	32.6	14:49:00 14:56	14:52:00 14:53
CP40	798	BM	3	LGR	C3	0	22.5	32.7	31.0		15:04	15:07	O → 25 cm from soil, water depth 14cm
				LGR2	C3	50	16.7	34.0		15:15	15:20		
				LGR	CS	100cm	14.9	36.0		15:20	15:48	switched to CS	
					CS					00	00		

10/23.2

Weather: hot & sunny

Notes:

System Time: 14:58
Real Time: 14:59
Logging Frequency: 15

Adams/Gewirtzman - BLUEFLUX Tree Methane Flux Data

Date:
Personnel

10.23.5

System Time:
Real Time:
Logging Frequency:

Weather:
Notes:

Tree Flux Data

at 100' elev
7' woodDate:
Personnel:

10/15/22

Miller, Jon, Samuel, Ben

water depth: 10 in

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measure- ment Position	Tree Diameter	Temp_stem .C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
#517	517	probably black mangrove dead	dead	LGR ₂	C1	0 above H ₂ O	17.5	33.7			13:01:50	13:10:30	water depth: 10 in
				LGR ₂	C1	50	19.8	36.1			13:15:31	13:20:34	
				LGR ₂	C1	100	17	36.5			13:22:00	13:27:00	
				LGR ₂	C1	0 above H ₂ O	22	31.7			14:01:20	14:06:30	water depth: 10 in
				LGR ₂	C1	50	20	30.3			14:10:00	14:15:00	
				LGR ₂	C1	100	19.5	32.0			14:19:00	14:24:00	
510	510			LGR ₂	C1	0 above H ₂ O	22	31.7			14:01:30	14:06:30	water depth: 10 in
				1	1	50	20	30.3			14:10:00	14:15:00	
				1	1	100	19.5	32.0			14:19:00	14:24:00	

10/15.1

Weather:

hot, 30°, clouds

Notes: Get weather stn for tomorrow

System Time: 13:02
Real Time: 12:21
Logging Frequency: 1 secNets travel far I pads
order more fertilizer

Date: 15/16/22
Personnel:

Tree Flux Data

10.16.2

Weather:
Notes:

Light color

System Time:
Real Time:
Logging Frequency:

Adams/Gewirtzman - BLUEFLUX Tree Methane

Tree Flux Data

Date:
Personnel:

10-16-22

Miller, Sam, Derrick, Sean

✓

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measurement Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
SFS-6	506	Red Mango		LGR (not yet) B1	O	0	26.8	27.0	27.2	12:44:44	12:49:59		
					C1	50	22.0	26.9	26.1	27.2	12:44:15	12:49:55	
					C1	100	21.1	27	27.0	27.2	12:46:08	12:49:00	
					A1	200	27	27.3	28.8	27.2	12:49:39	13:01:31	
SFS-6	2744 Platyrhachis	Red Mango		LGR B1	O	26.5	26.9	26.9	24.6	27.6	12:32:40	13:40:29	
					B1	50	25.0	26.4	24.0	27.6	13:02:32	13:45:32	
					C1	100	25.4	25.0	24.3	25.6	13:02:33	13:27:33	
					A1	200	26.9	26.5	26.0	27.6	13:31:38	13:45:30	

10/16.3

System Time:

Real Time:

Logging Frequency:

Weather:

Notes:

Adams/Gewirtzman - BLUEFLUX Tree Methane

Date: Oct 18
Personnel:

Personnel

Qing Ying . Anthony Campbell . Ben

folg.

System Time: 10:51.25
Real Time: 11:10
Logging Frequency: 11:10

Weather:
Notes:

Adams/Gewirtzman - BLUEFLUX Tree Methane

Tree Flux Data

Date: Oct 18

Personnel:

Qing, Anthony, Ben



Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measurement Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
	547		3	LGR2	A4	0 cm	15cm	29.6	31.4	30.8	13:15:12	13:18:57	12cm water
					B3	0 cm	15cm	29.6	31.1	30.8	13:30:00	13:35:20	
					B3	50 cm	12.2cm	30.3			13:41:37	13:50:46	
					B3	100 cm	12.0cm	31.2			13:54:20	13:58:20	
	544		3	LGR2	A4	0 cm	10.4cm	30.7	27.4	31.1	14:10:01	14:13:50	18cm water
					A4	50 cm	10.3cm				14:22:36	14:26:02	
					A4	100 cm	9.5cm				14:31:14	14:34:15	

10.18.2

System Time: 11:51:25
Real Time: 11:10
Logging Frequency: 1Weather:
Notes:

Adams/Gewirtzman - BLUEFLUX Tree Methane

Date: Oct 14
Personnel: Anthony Becker

10119.2

System Time:
Real Time:
Logging Frequency

Weather:
Notes:

Adams/Gewirtzman - BLUEFLUX Tree Methane

Date:
Personnel:

10/18

Mike + Samuel

Tree Flux Data

✓
0m, 10cm above
water

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measure- ment Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
FL 30	YMS 1	Bull Mangrove	3	LGR3	B4	0m	36.7	28.5	25.9	flooded at 10	11:09 10	11:12 10	10cm water level flooded from soil so no soil temp
				LGR3	B4	50cm	22.6	30.2			11:19 35	11:22 35	Starting from 50m
				LGR3	B4	100cm	22.5	32.0			11:32 100	11:35 00	one trunk that splits into three
FL 30	YMS 2	Bull Mangrove (new tree tall)	3	LGR3	B4	0m	11.0	32.0	29.2	flooded	11:43 5/10	11:51 10	0m. 9cm above water
				LGR3	B4	50cm	11.2	31.0			11:58 25	12:00 25	20cm above soil
				LGR3	B4	100cm	10.3	31.3			12:09 00		

10/18.4

Weather:
Notes:

Sunny + partial cloud

System Time:
Real Time:
Logging Frequency:
~~1000~~ 1Hz11:06 = ~~20~~
10:54 = ~~23~~

Adams/Gewirtzman - BLUEFLUX Tree Methane Tree Flux Data

Date: 10-18-22
Personnel: Mike + Samwel

✓

10/18.5

Weather:
Notes:

Overcast

This section of the
dredge is best used
in a large marina
or reservoir back

System Time: 12:31
Real Time: 12:20
Logging Frequency: 1s

Adams/Gewirtzman - BLUEFLUX Tree Methane

Date: 10-18-2022
Personnel: Burke ✓

Tree Flux Data

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measure- ment Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
SRS 5	697	Red Mangrove		LGR	B5	O	125	20.4	15.4	25.6	13:16 53	13:21 34	0.55 65 cm above soil
					B5	SO	0.8	20.1	1		13:29 00	13:32 00	
					B5	100	11.3	18.7	15.4		13:39 35	13:43 12	
					A2	big root	6.2	18.9			13:52 30	13:55:21	
					A3	low root	4.6	PA			14:01: 26	14:04:15	leak so repeating and changing root
					A3	low root x 2	5.3	PA			14:16:01	14:19:01	
SRS 5	694	Black			B5	O	10.3	20.1	18.0	25.0	14:33:10	14:37:10	0.15 10 cm above soil
					B5	SO	10.3	19.9			14:45:58	14:49:00	
					B5	100	9.9	19.9			14:55:01	14:58:17	
							17	19.9		24.1	15:32:35	23	
							28						
							52						

10/18.7

System Time: 13:20:01
Real Time: 1:18
Logging Frequency: 15Weather:
Notes:

Adams/Gershman - BLUEFLUX Tree Methane
Tree Flux Data

Date: 10/19/22
Personnel: FMA & BG

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measure- ment Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
SR55	601	Rhiz	not good holes, forming and falling bark at top. interior bark dark tree	LGR2	C4	0	19.2	21.6	18.3	26.1	12:08:05	12:11:05	45 cm from water
					C4	50	15.5	21.9			12:16:25	12:19:25	
					C4	100	15.0	21.7			12:26:13	12:29:13	
					C4	-25	21.2	22.5			12:37:49	12:47:49	Holes sized 1mm (not) in bark
					A6	prop root			scrapped		12:57:50	13:00:50	9cm from trunk 15cm from root - can't find seal break, but CO ₂ & eth dropping
					A6	prop root	21.2	20.4			13:16:13	13:19:13	5cm from trunk 19cm from water
GS 5	602	Rhiz	dise	LGR2	C4	0	14.1	19.9	15.9	26.5	13:41:19	13:44:19	
					C4	50	13.2	18.5			13:51:12	13:59:30	
					C4	100	12.3	18.4			14:06:17	14:10:17	
					A6	prop root	5.5	18.8			14:33:14	14:37:53	~120 cm - 33 cm above water medium size, forces beyond chamber
					C4	-25	14.8	18.9			14:19:49	14:22:45	

10/19/1

Weather: overcast, breezy, not warm
Notes: alternating red/green pressure
warning (504.5 - 505.5 torr)

System Time: 11:49:20
Real Time: 11:08
Logging Frequency: 1 Hz

* A6 fittings
are leaky

Adams/Gewirtzman - BLUEFLUX Tree Methane

Date:
Personnel:

10119122

Personnel: *FMA* is *BG*

四

2020.6.6

Weather:

Notes:

er:
private
cross
game

System Time:
Real Time:
Logging Frequency:

copy from
one other deck

10/19.2 15:29.29

Adams/Gewirtzman - BLUEFLUX Tree Methane
Tree Flux Data

Date: 10/20/22
Personnel: FA & BG



Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measure- ment Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
SRS 5	616	Rlix	Aldw	LGFL2	CS	0	20.1	20.4	21.0	20.0	12:21:41	12:24:50	72cm from water 3cm H2O
						50	19.2	19.5			12:32:52	12:35:52	over a bunch of lichen inner part post-moistener off, replaced with part from D2
						100	19.1	20.8			12:42:10	12:45:10	
						-50	21.4	24.3			12:56:14	12:59:14	Sunny side of tree
						A2	Prop root	12.8	24.4		13:20:30	13:23:30	10cm from trunk 16cm from water
						A2	Prop root	12.2	23.9		13:33:10	13:36:10	14cm from trunk 72cm from water
602	AVSL	has 1 dead branch		LGFL2	A2	0	4.9	25.3	21.4	22.2	14:00:00	14:03:00	9cm from water shady side sunny side
						50	4.4	26.0			14:09:50	14:12:50	Sunny side
						100	3.8	25.6			14:20:00	14:23:00	Shady side
												*	
													* tree 602 from 10/19/22 SRS 5 -0cm = 71 cm from soil
													tree @SRS 5

10/20.1

System Time: 12:16:18
Real Time: 11:35
Logging Frequency: 1hz

*602 from 10/19/22 is closest to
the river
- add to data that measurement
- 0cm = 75cm from soil
*tree 601 from 10/19/22 @ SRS 5 is closer
to river → 0cm = 60 cm from soil

Weather: sunny 65°F
Tide high when we arrived.
went out completely to bare soil
while wedged in 616 and 602

10/20

Mike + Sam

Tree Flux Data

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measurement Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
SRSS	621	RM	3	LGR3	B4	0m	17.2 cm	23.1	18.4	21.4	14:05 30	14:05 30	1 m above ground for 0
					B4	1m	13 cm	23.0			14:02 30 14:16:00	14:19 00	height = 70cm cause we can't reach
					B4	50 cm	14.1	24.1			14:24 07	14:21 07	
					A4	root	7.1	23.0			14:30 24	14:34 00	
											14:51 00	14:54 52	
538	B7	B7	3mbs dead living spkh @ 2.5m	LGR3	C1	0	44.3	21.7	18.6	21.5	14:57 00	14:54 56	
					B4	50	50.9	24.2			14:52 55	15:01 20	
					B4	100	42	23.2			15:02 06	15:12 00	(closer to 2M)

10/20.2

System Time: 14:52
Real Time: 14:50
Logging Frequency: 15

10/20

Mike + Samuel

Tree Flux Data

Plot	Tree ID	Tree Species	Decay Class	Gas analyzer	Chamber ID	Measure- ment Position	Tree Diameter	Temp_stem (C)	Temp_air (C)	21.3 Soil Temp (C)	Flux Start Time (System)	Flux End Time (System)	Notes
SRS5 629	RM	alive		LGR3	C1	0m	16.5	21.4	21.1	21.3	11:57 10	12:00 10	water like 3-4cm above soil 30cm above soil
					C1	50cm	14.9	20.8	20.7	20.7	12:11 10	12:14 11	
					B4	100cm	14.7	21.7			12:21 40	12:25 40	
					A4	ROOT 100 cm	21.0	21.8			12:28 40	12:31 40	very few root for this Red mangrove
						branch of central tap root							
				(Restarted (LGR file root)		ROOT2	7.2	26.0			12:44 24	12:48 26	lower section of this tree's only lateral root
SRS5 628	RM	new		LGR3	C1	0	14.5	19.1	19.9	21.8	13:04 09	13:06 00	0-13.80cm above soil
					C1	50	14.0	24.3			13:14 10	13:17 15	
					B4	100 lateral	13.5	23.7			13:23 50	13:26 50	
					A5	200 root	6.2	24.9			13:39 30	13:42 30	less lenticles
					A4	ROOT 2	6.2	24.6			13:49 30	13:52 30	lower root more lenticles

10/20.3

System Time:

11:37

Real Time:

11:45

Logging Frequency:

1s

Weather:

Sunny, nile

Notes:

Adams/Gewirtzman - BLUEFLUX Tree Methane

Tree Flux Data

Date: 10/20

Personne

nel: Sandy Mike

10/20.4

System Time:
Real Time:
Logging Frequency:

Weather:
Notes:

Adams/Gewirtzman - BLUEFLUX Tree Methane

Date:
Personnel:

Tree Flux Data

System Time:
Real Time:
Logging Frequency:

Weather:
Notes: