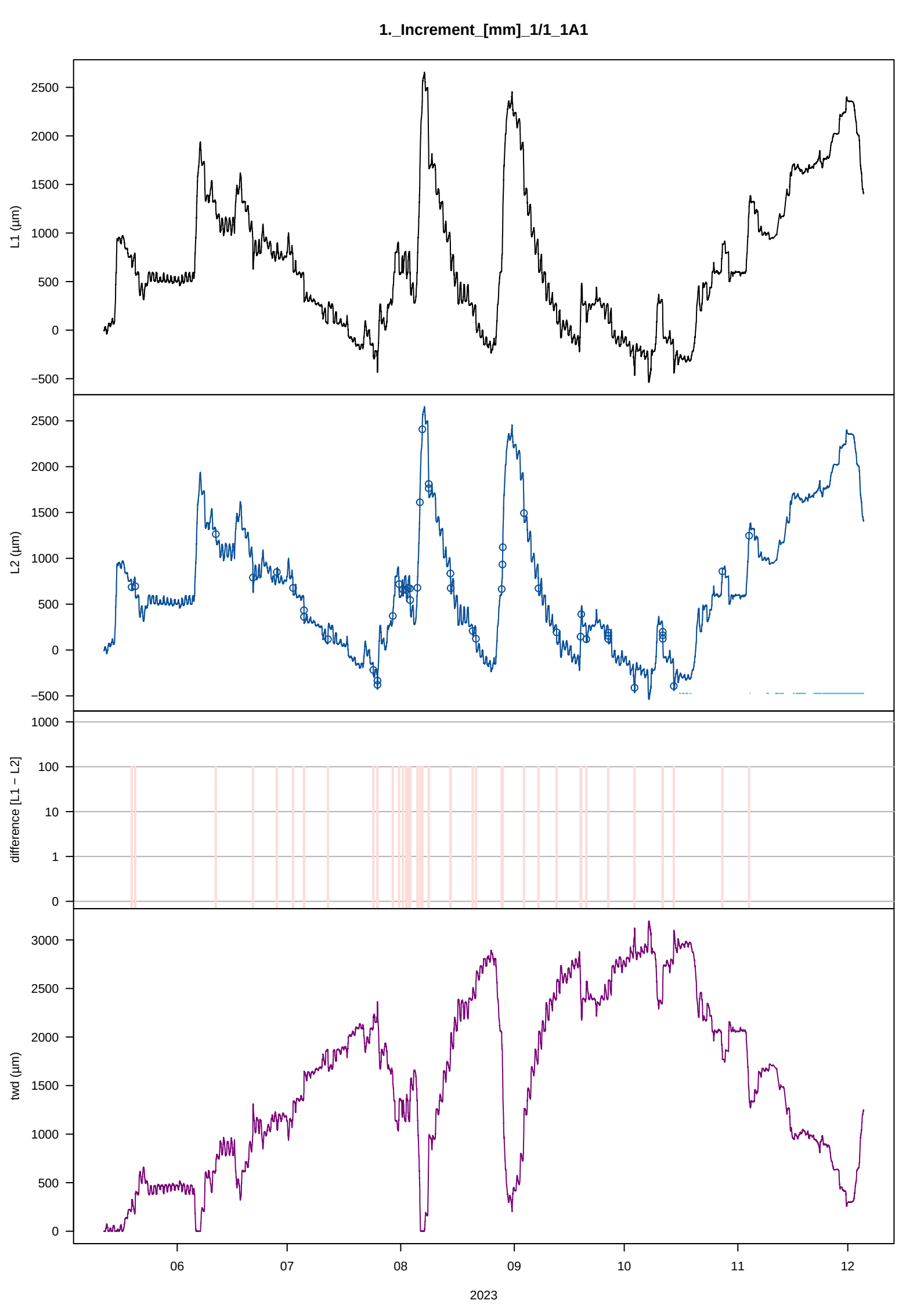
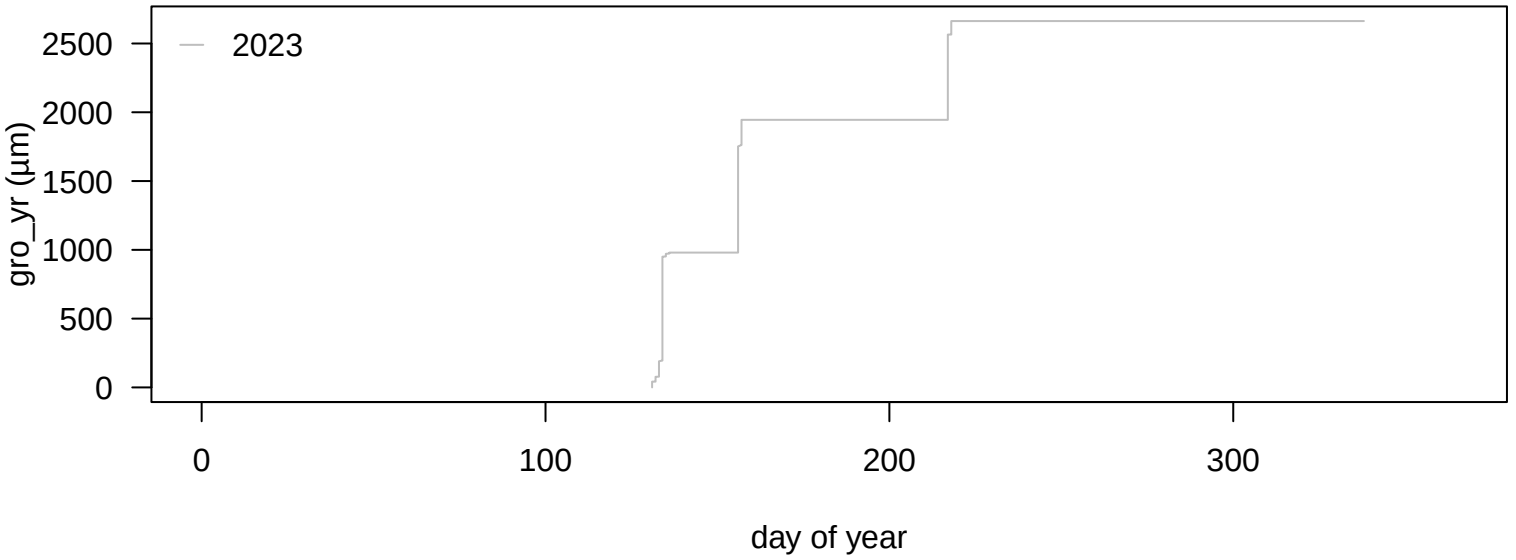

1._Increment_[mm]_1/1_1A1
L1 (µm)
2500
2000
1500
1000
500
0
−500
L2 (µm)
2500
2000
1500
1000
500
0
−500
difference [L1 − L2]
1000
100
10
1
0
twd (µm)
3000
2500
2000
1500
1000
500
0
06
07
08
09
10
11
12
2023

1._Increment_[mm]_1/1_1A1

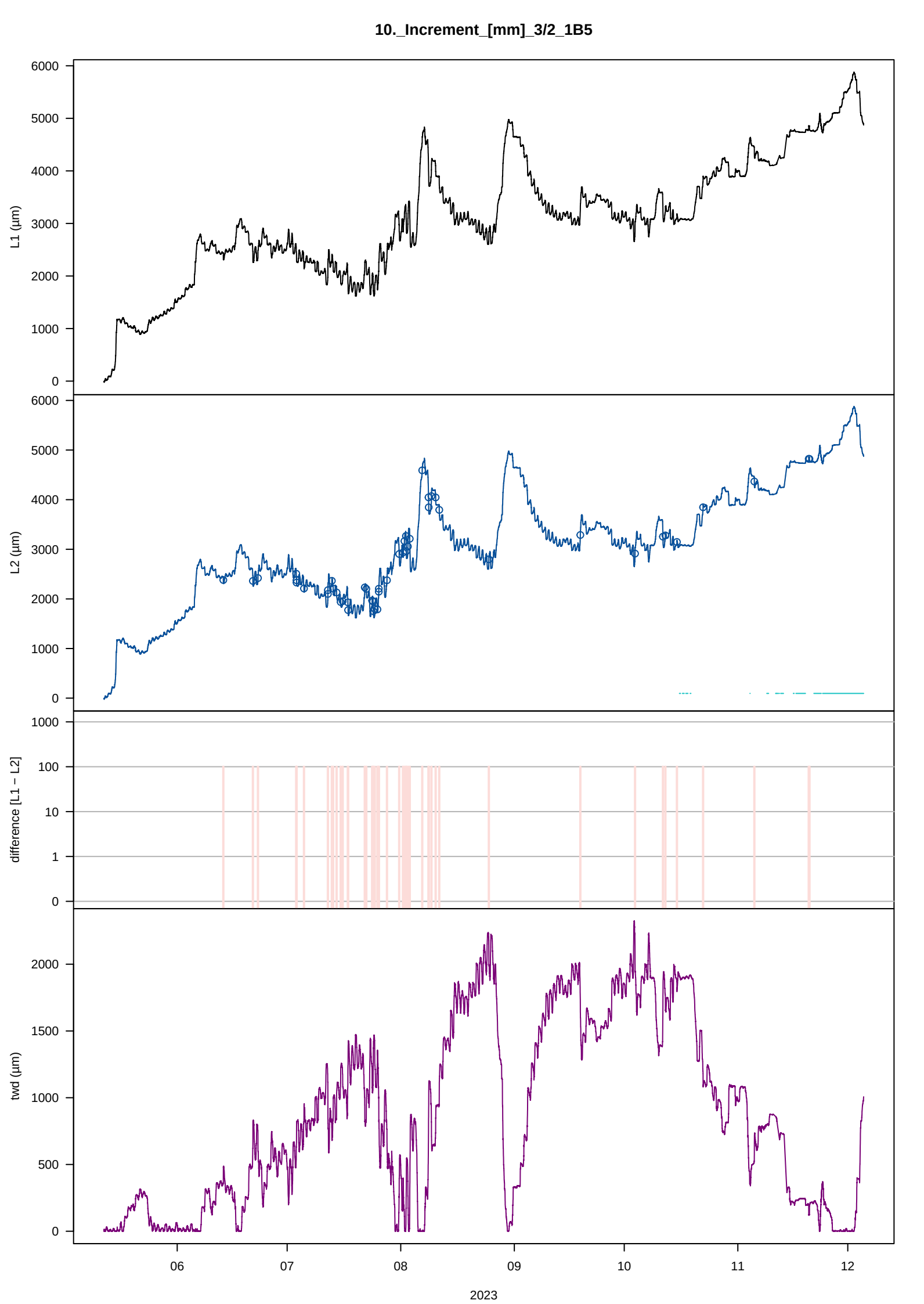


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

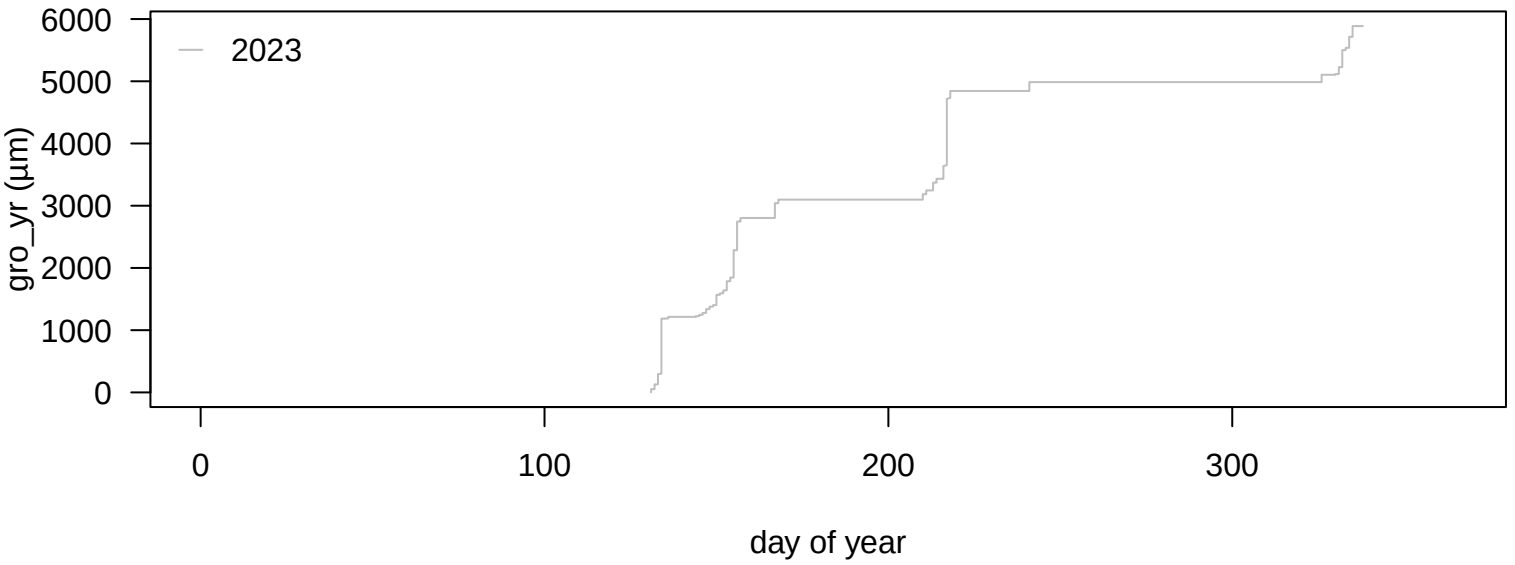
applied thresholds (µm)
tol_jump = −1352.45 / 1352.45
tol_out = −284.89 / 284.89
tol_jump_frost = −6762.25 / 6762.25
tol_out_frost = −1424.45 / 1424.45

changes in data
interpolated: 0.16%
deleted: 0.16%
missing: 0%

growth statistics (µm): median (min / max)
month: 965 (718 / 980)
week: 620 (98 / 965)
day: 105.5 (9 / 772)
hour: 16 (1 / 131)


10._Increment_[mm]_3/2_1B5
L1 (µm)
L2 (µm)
difference [L1 − L2]
twd (µm)
2023
06
07
08
09
10
11
12

10._Increment_[mm]_3/2_1B5

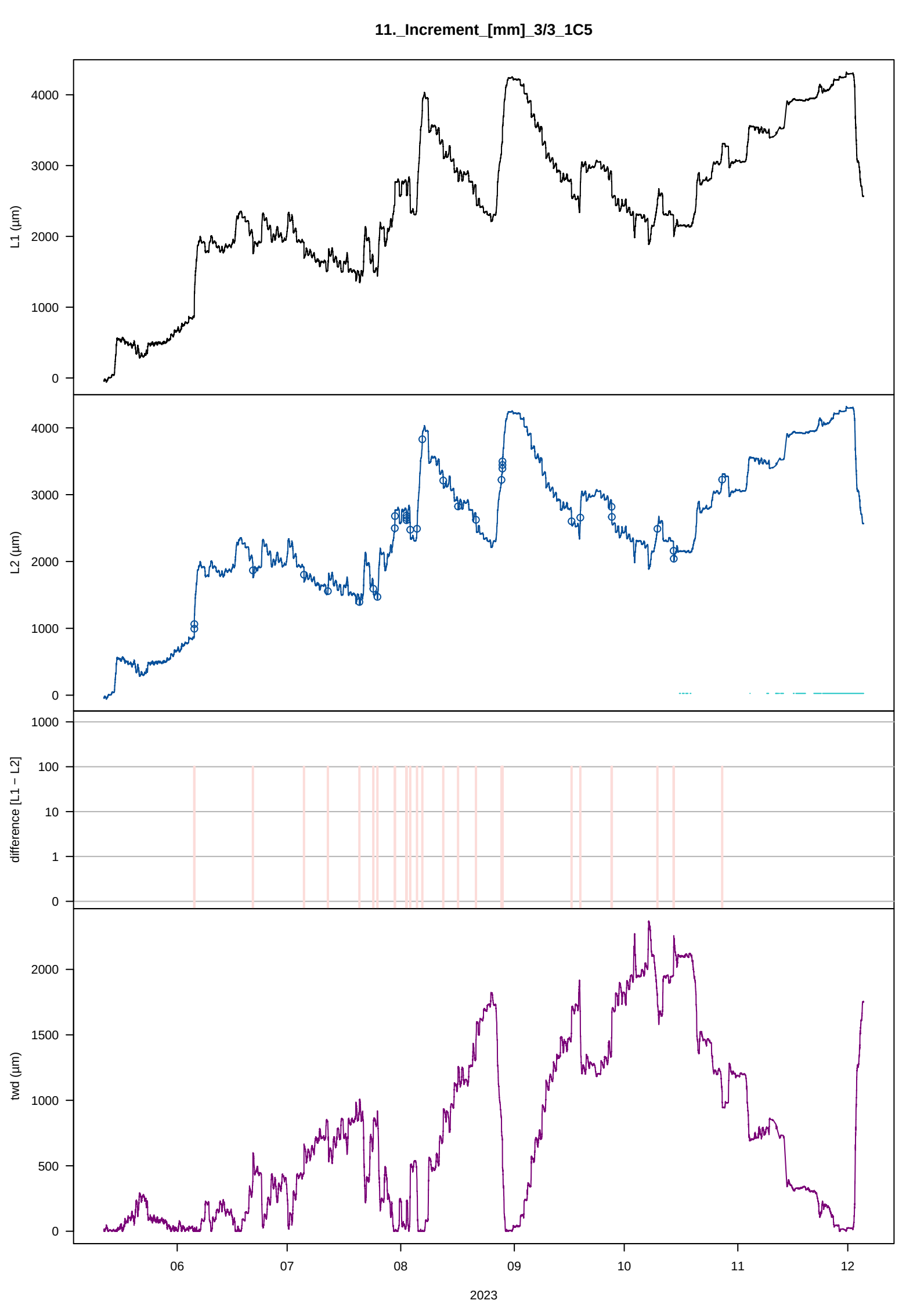


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

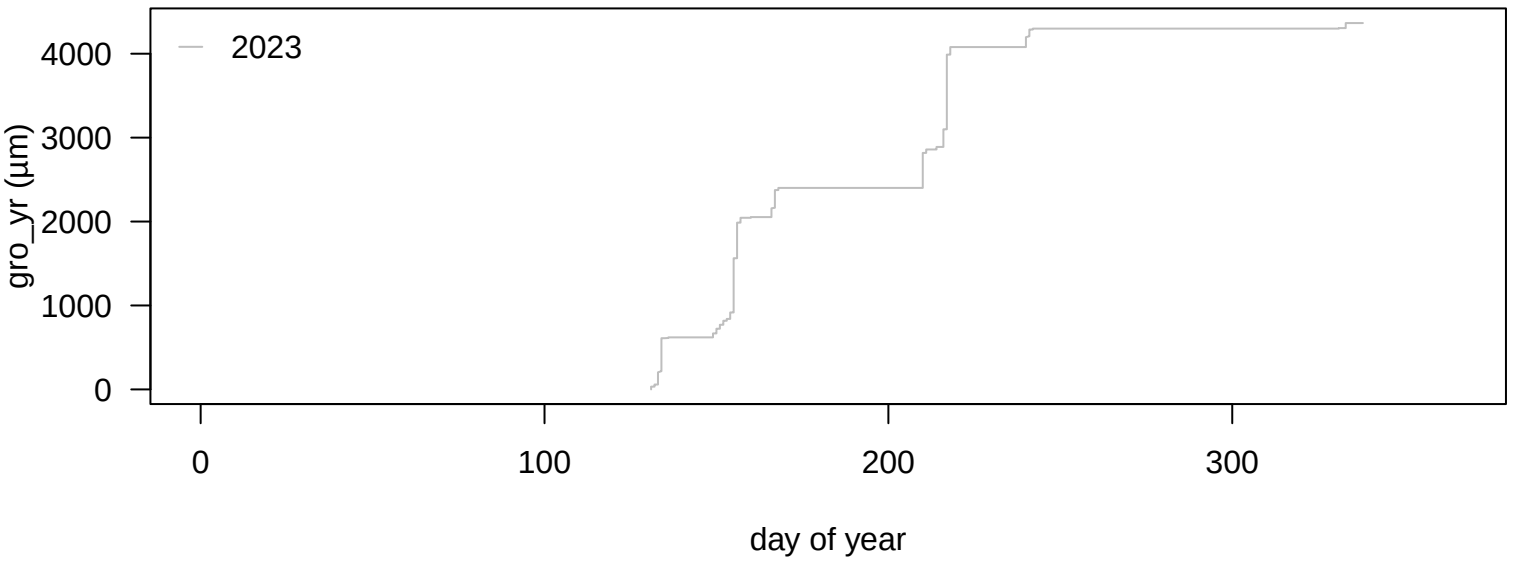
applied thresholds (µm)
tol_jump = −1796.99 / 1796.99
tol_out = −373.8 / 373.8
tol_jump_frost = −8984.95 / 8984.95
tol_out_frost = −1869 / 1869

changes in data
interpolated: 0.16%
deleted: 0.16%
missing: 0%

growth statistics (µm): median (min / max)
month: 1040.5 (148 / 1740)
week: 294.5 (87 / 1532)
day: 76 (3 / 1080)
hour: 10 (1 / 135)


11._Increment_[mm]_3/3_1C5
L1 (µm)
0
1000
2000
3000
4000
L2 (µm)
0
1000
2000
3000
4000
difference [L1 − L2]
0
1
10
100
1000
twd (µm)
0
500
1000
1500
2000
06
07
08
09
10
11
12
2023

11._Increment_[mm]_3/3_1C5

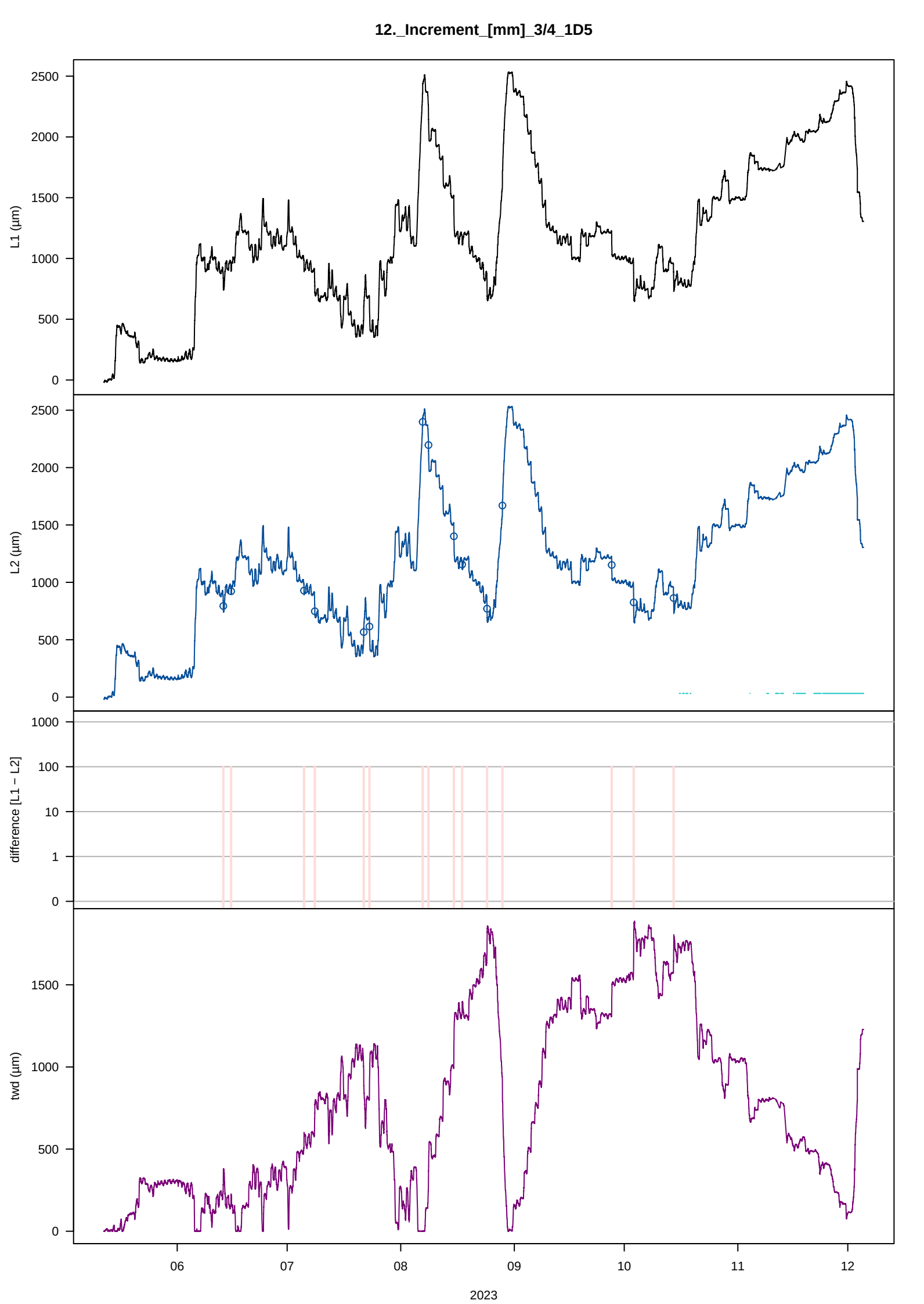


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

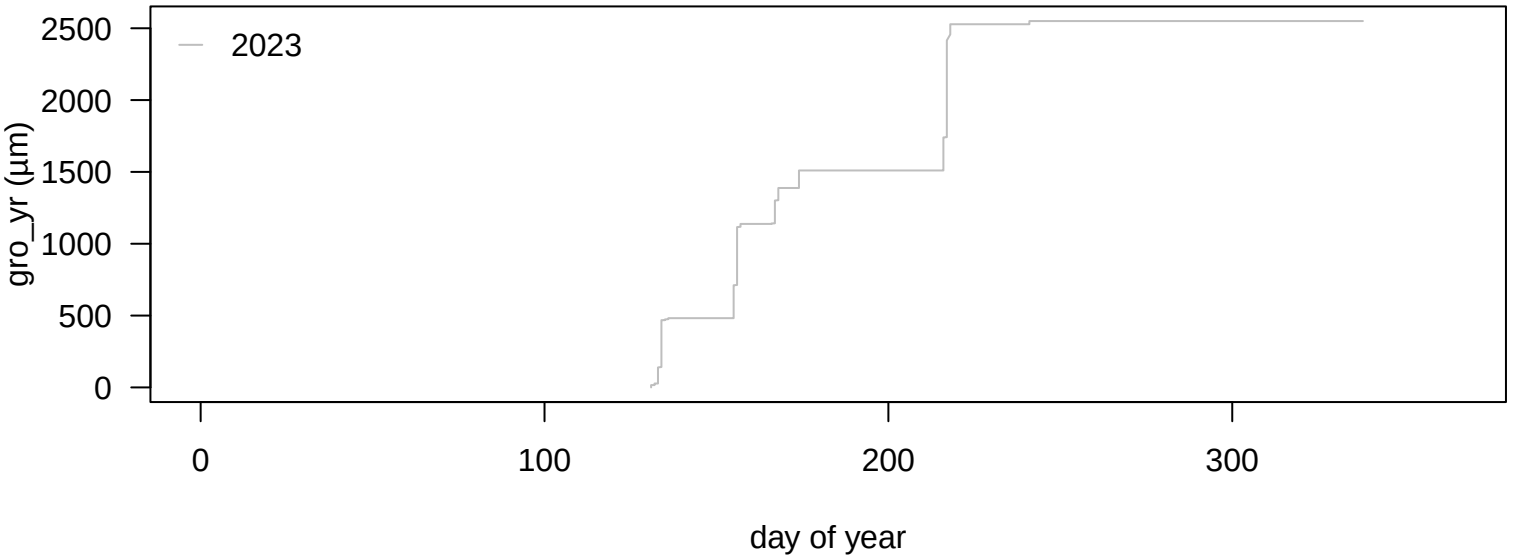
applied thresholds (µm)
tol_jump = −1796.99 / 1796.99
tol_out = −373.8 / 373.8
tol_jump_frost = −8984.95 / 8984.95
tol_out_frost = −1869 / 1869

changes in data
interpolated: 0.1%
deleted: 0.1%
missing: 0%

growth statistics (µm): median (min / max)
month: 723 (66 / 1678)
week: 322.5 (66 / 1171)
day: 58 (6 / 890)
hour: 14 (1 / 294)


12._Increment_[mm]_3/4_1D5
L1 (µm)
L2 (µm)
difference [L1 − L2]
twd (µm)
2500
2000
1500
1000
500
0
100
10
1
06
07
08
09
10
11
12
2023

12._Increment_[mm]_3/4_1D5

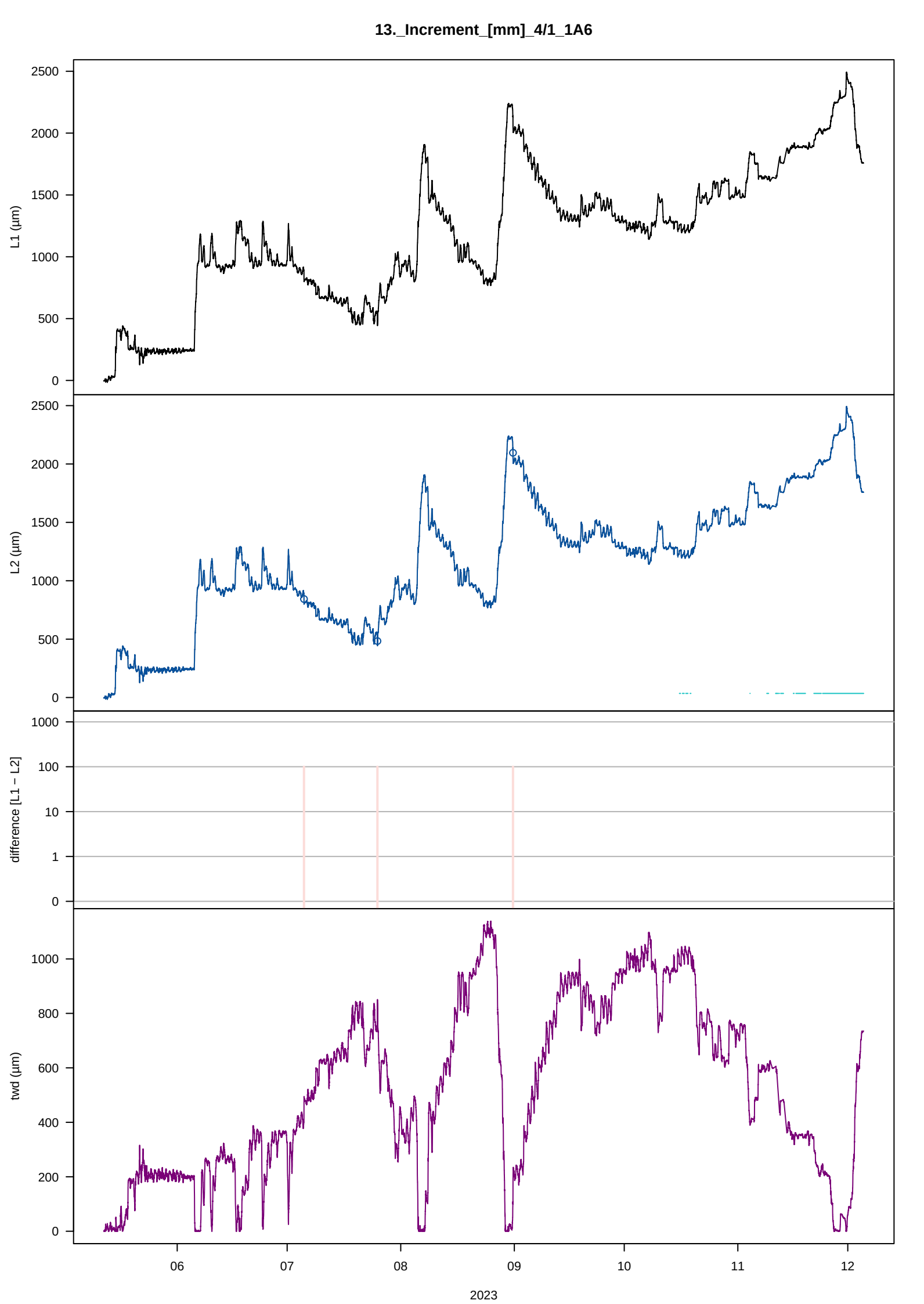


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

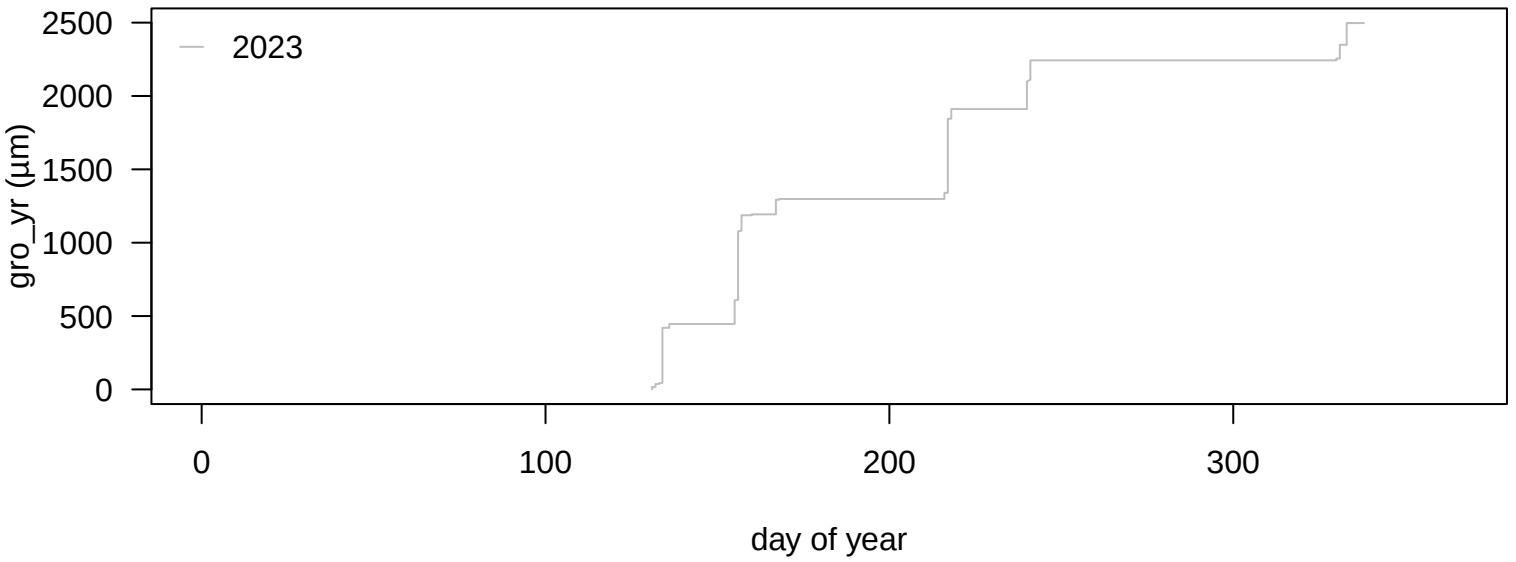
applied thresholds (µm)
tol_jump = −1346.45 / 1346.45
tol_out = −278.89 / 278.89
tol_jump_frost = −6732.25 / 6732.25
tol_out_frost = −1394.45 / 1394.45

changes in data
interpolated: 0.05%
deleted: 0.05%
missing: 0%

growth statistics (µm): median (min / max)
month: 1028 (482 / 1040)
week: 194.5 (22 / 905.5)
day: 112 (3 / 675.5)
hour: 11 (1 / 83)


13._Increment_[mm]_4/1_1A6
L1 (µm)
2500
2000
1500
1000
500
0
L2 (µm)
2500
2000
1500
1000
500
0
difference [L1 − L2]
1000
100
10
1
0
twd (µm)
1000
800
600
400
200
0
06
07
08
09
10
11
12
2023

13._Increment_[mm]_4/1_1A6

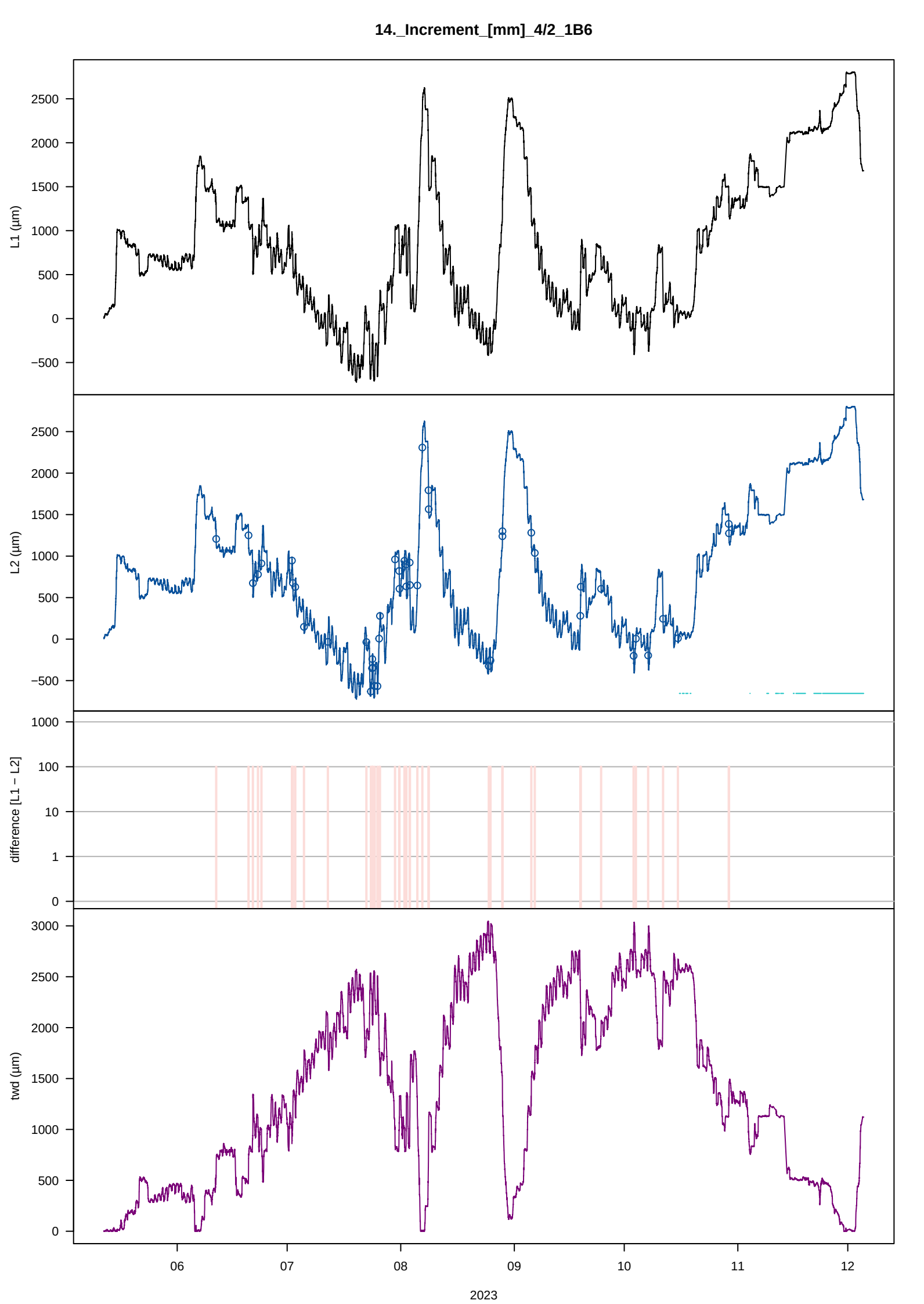


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

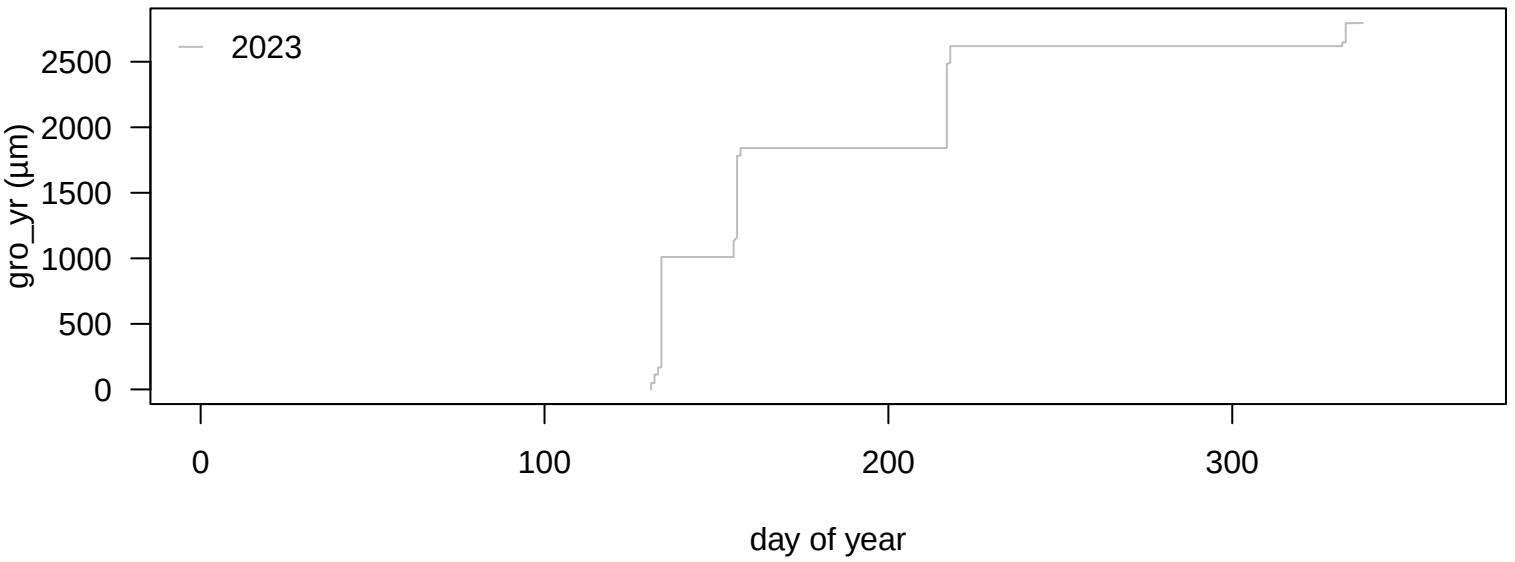
applied thresholds (µm)
tol_jump = −1346.46 / 1346.46
tol_out = −278.89 / 278.9
tol_jump_frost = −6732.3 / 6732.3
tol_out_frost = −1394.45 / 1394.5

changes in data
interpolated: 0.01%
deleted: 0.01%
missing: 0%

growth statistics (µm): median (min / max)
month: 649 (254 / 945)
week: 293 (42 / 747)
day: 94 (5 / 504)
hour: 12 (1 / 128)


14._Increment_[mm]_4/2_1B6
L1 (µm)
2500
2000
1500
1000
500
0
−500
L2 (µm)
2500
2000
1500
1000
500
0
−500
difference [L1 − L2]
1000
100
10
1
0
twd (µm)
3000
2500
2000
1500
1000
500
0
06
07
08
09
10
11
12
2023

14._Increment_[mm]_4/2_1B6

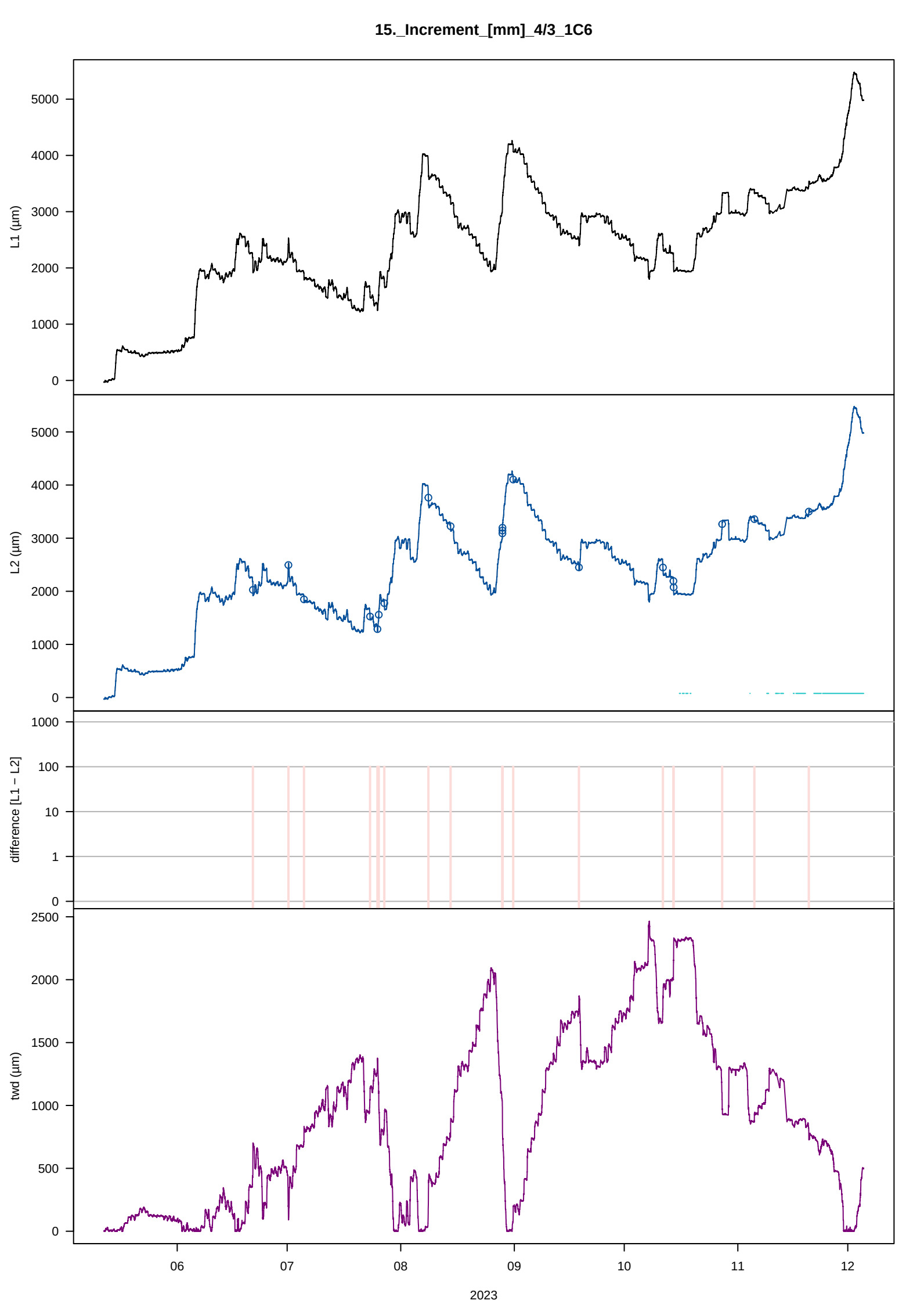


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

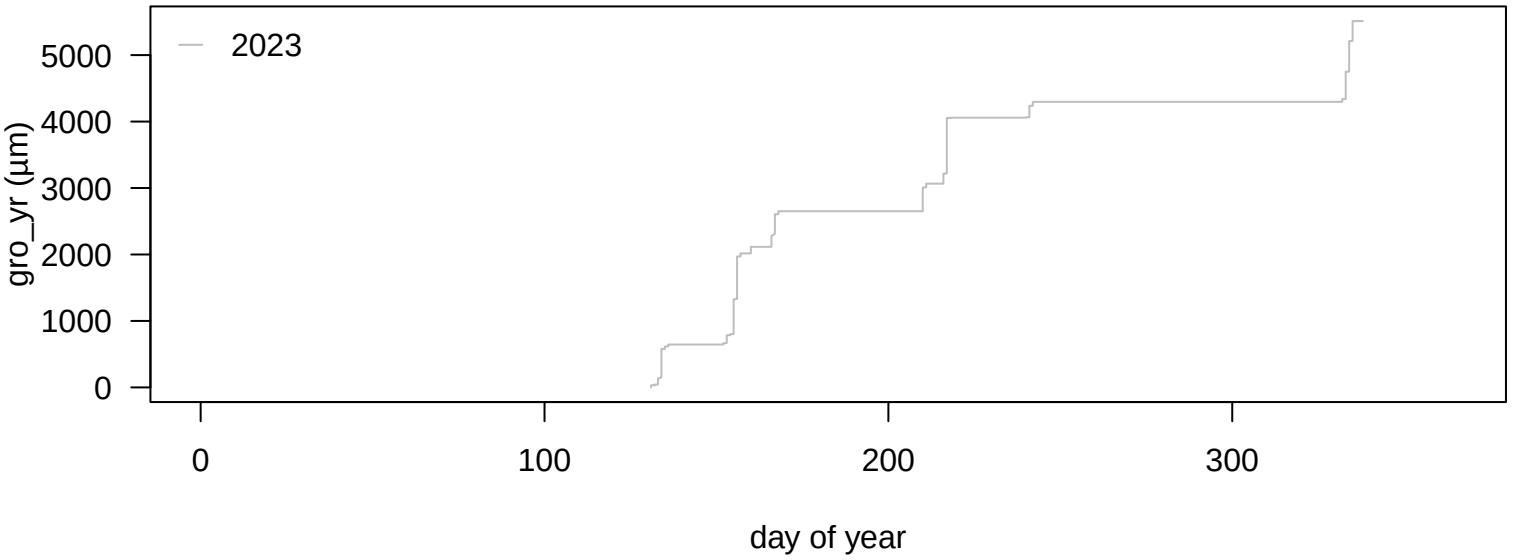
applied thresholds (µm)
tol_jump = −2247.52 / 2247.54
tol_out = −468.7 / 474.6
tol_jump_frost = −11237.6 / 11237.7
tol_out_frost = −2343.5 / 2373

changes in data
interpolated: 0.16%
deleted: 0.16%
missing: 0%

growth statistics (µm): median (min / max)
month: 778 (1 / 1010)
week: 409.5 (135 / 845)
day: 94 (1 / 845)
hour: 12 (1 / 184)


15._Increment_[mm]_4/3_1C6
L1 (µm)
5000
4000
3000
2000
1000
0
L2 (µm)
5000
4000
3000
2000
1000
0
difference [L1 – L2]
1000
100
10
1
0
twd (µm)
2500
2000
1500
1000
500
0
06
07
08
09
10
11
12
2023

15._Increment_[mm]_4/3_1C6

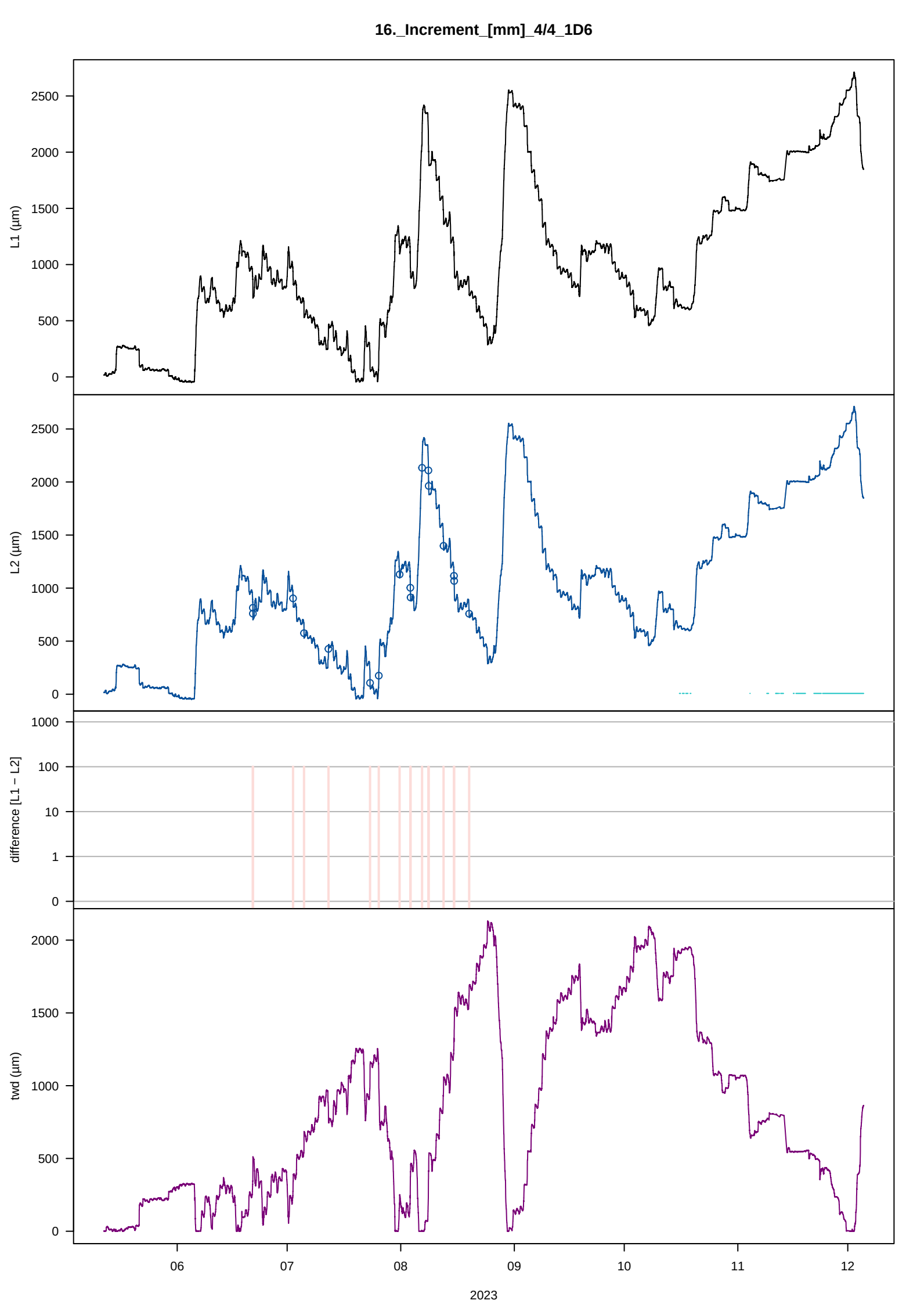


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

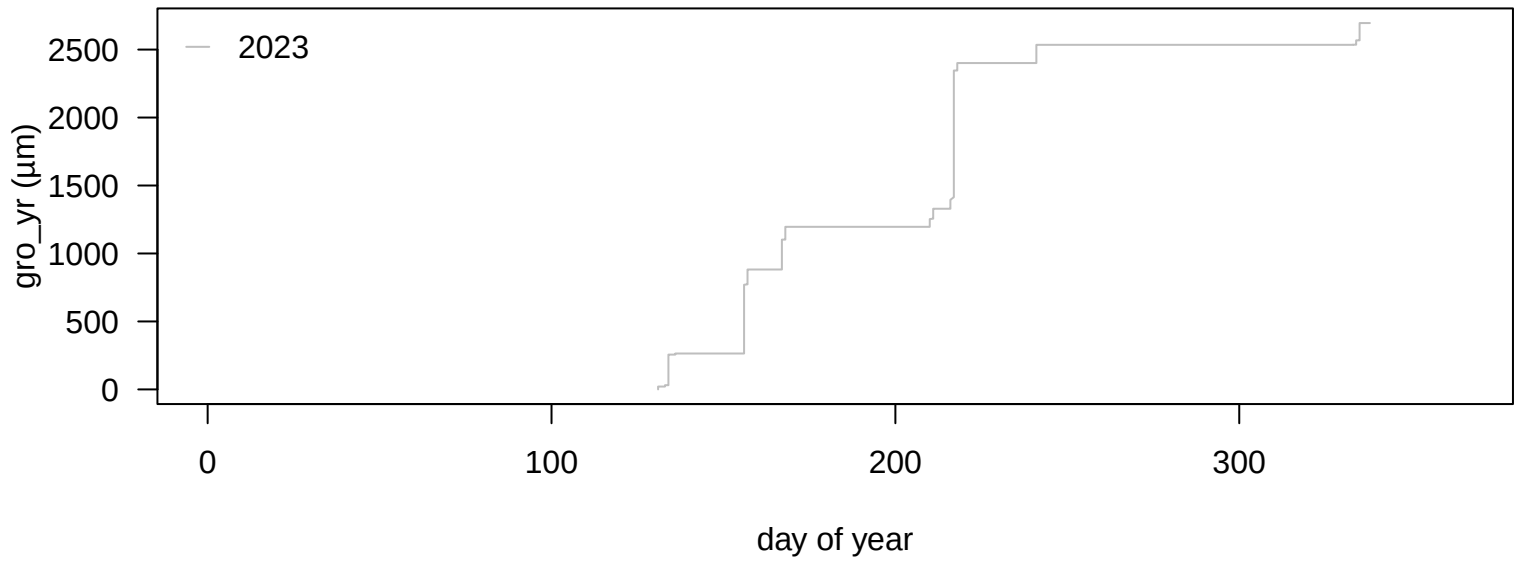
applied thresholds (µm)
tol_jump = −1796.99 / 1796.99
tol_out = −373.8 / 373.8
tol_jump_frost = −8984.95 / 8984.95
tol_out_frost = −1869 / 1869

changes in data
interpolated: 0.07%
deleted: 0.07%
missing: 0%

growth statistics (µm): median (min / max)
month: 703.5 (415 / 2006)
week: 435.5 (4 / 1314)
day: 94 (4 / 839)
hour: 16 (1 / 142)


16._Increment_[mm]_4/4_1D6
L1 (µm)
2500
2000
1500
1000
500
0
L2 (µm)
2500
2000
1500
1000
500
0
difference [L1 − L2]
1000
100
10
1
0
twd (µm)
2000
1500
1000
500
0
06
07
08
09
10
11
12
2023

16._Increment_[mm]_4/4_1D6

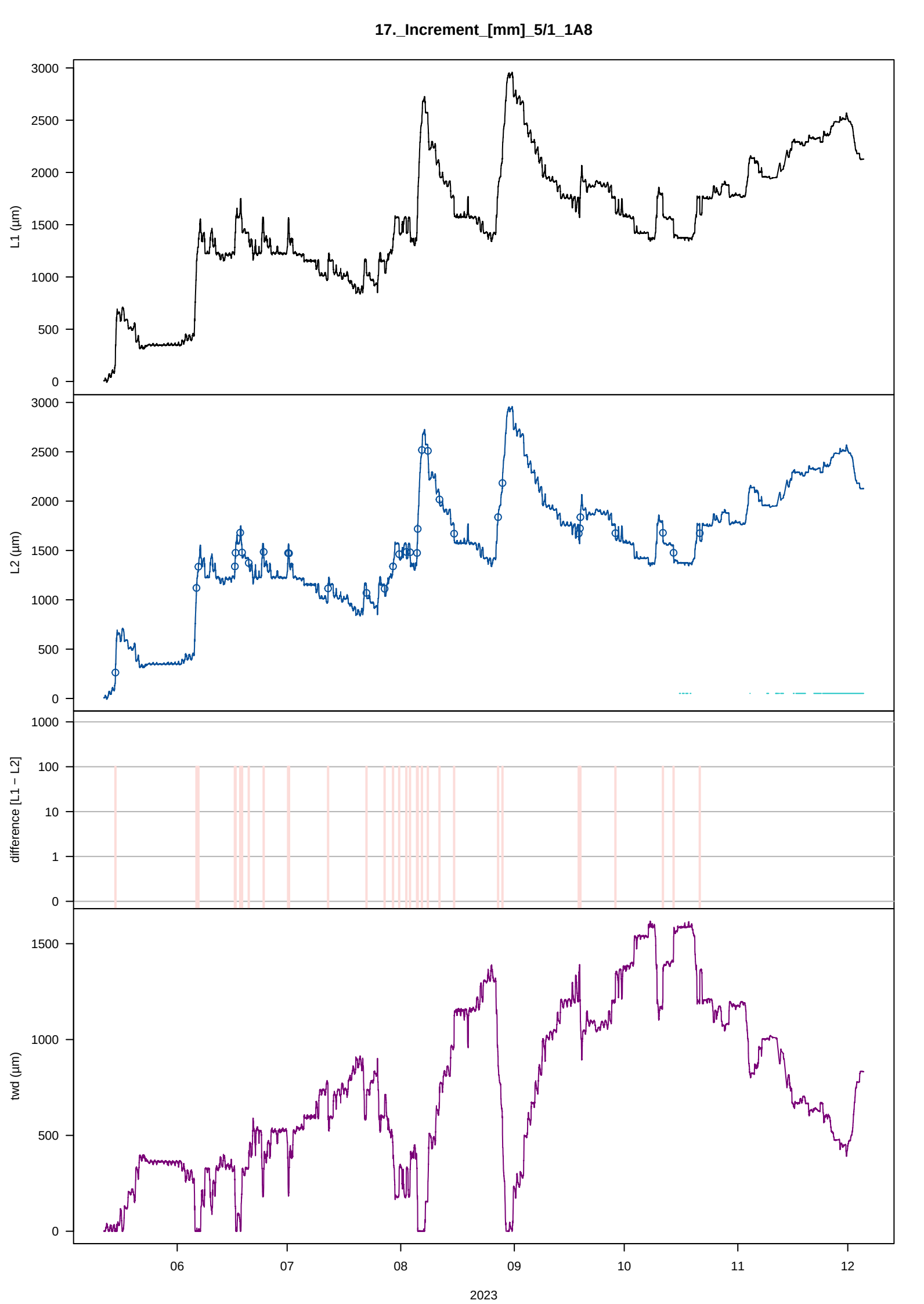


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

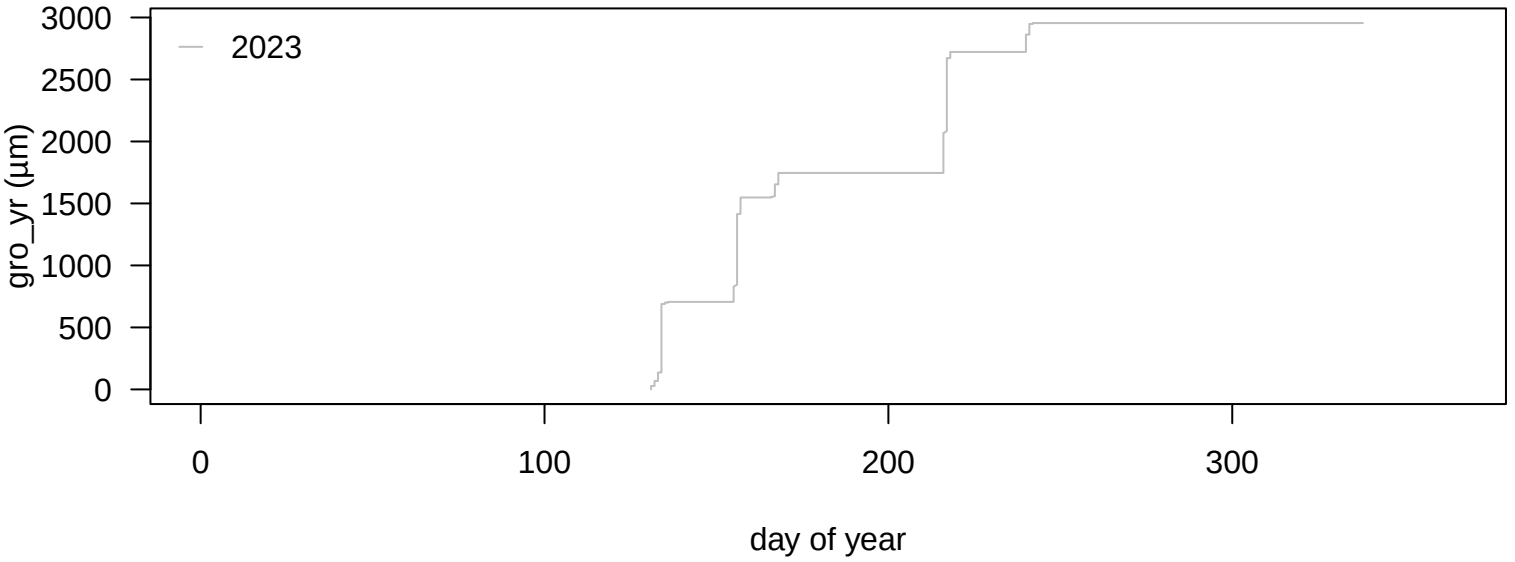
applied thresholds (µm)
tol_jump = −1346.24 / 1346.25
tol_out = −278.85 / 278.85
tol_jump_frost = −6731.2 / 6731.25
tol_out_frost = −1394.25 / 1394.25

changes in data
interpolated: 0.06%
deleted: 0.06%
missing: 0%

growth statistics (µm): median (min / max)
month: 211.5 (1 / 1206)
week: 160 (31 / 1093)
day: 76 (1 / 951)
hour: 13 (1 / 104)


17._Increment_[mm]_5/1_1A8
L1 (µm)
L2 (µm)
difference [L1 − L2]
twd (µm)
2023
06
07
08
09
10
11
12

17._Increment_[mm]_5/1_1A8

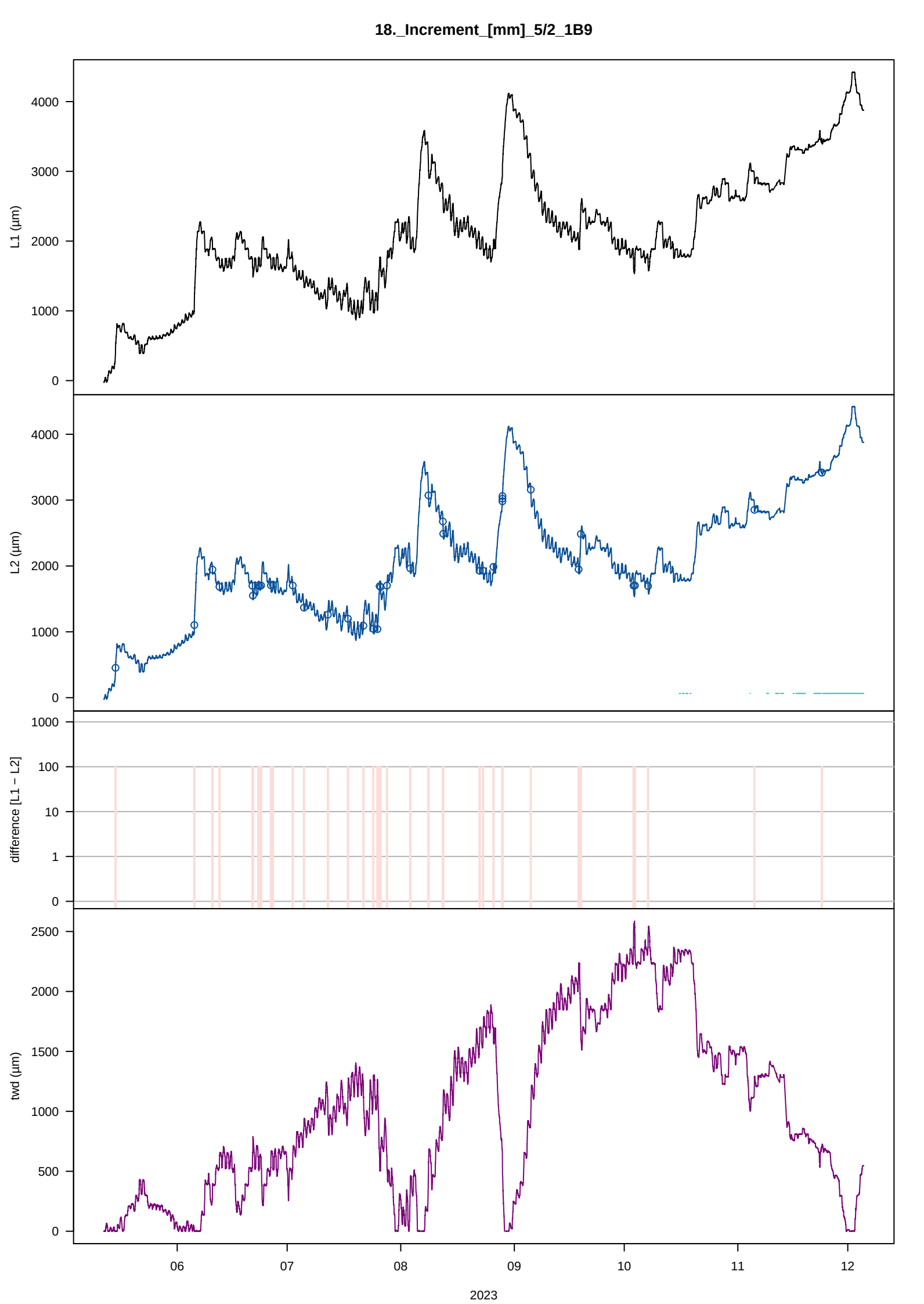


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

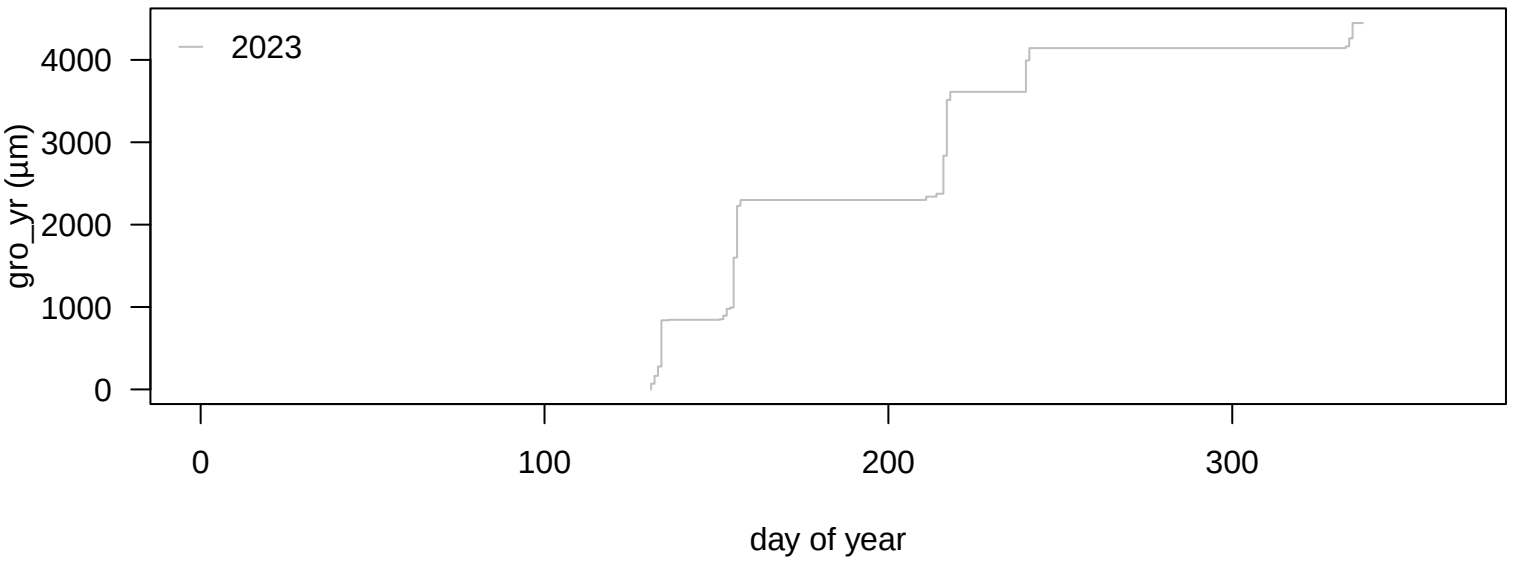
applied thresholds (µm)
tol_jump = −1346.45 / 1346.45
tol_out = −278.89 / 278.89
tol_jump_frost = −6732.25 / 6732.25
tol_out_frost = −1394.45 / 1394.45

changes in data
interpolated: 0.11%
deleted: 0.11%
missing: 0%

growth statistics (µm): median (min / max)
month: 1040 (706 / 1209)
week: 233 (50 / 926)
day: 89 (4 / 604)
hour: 12 (1 / 133)


18._Increment_[mm]_5/2_1B9
L1 (µm)
0
1000
2000
3000
4000
L2 (µm)
0
1000
2000
3000
4000
difference [L1 − L2]
0
1
10
100
1000
twd (µm)
0
500
1000
1500
2000
2500
06
07
08
09
10
11
12
2023

18._Increment_[mm]_5/2_1B9

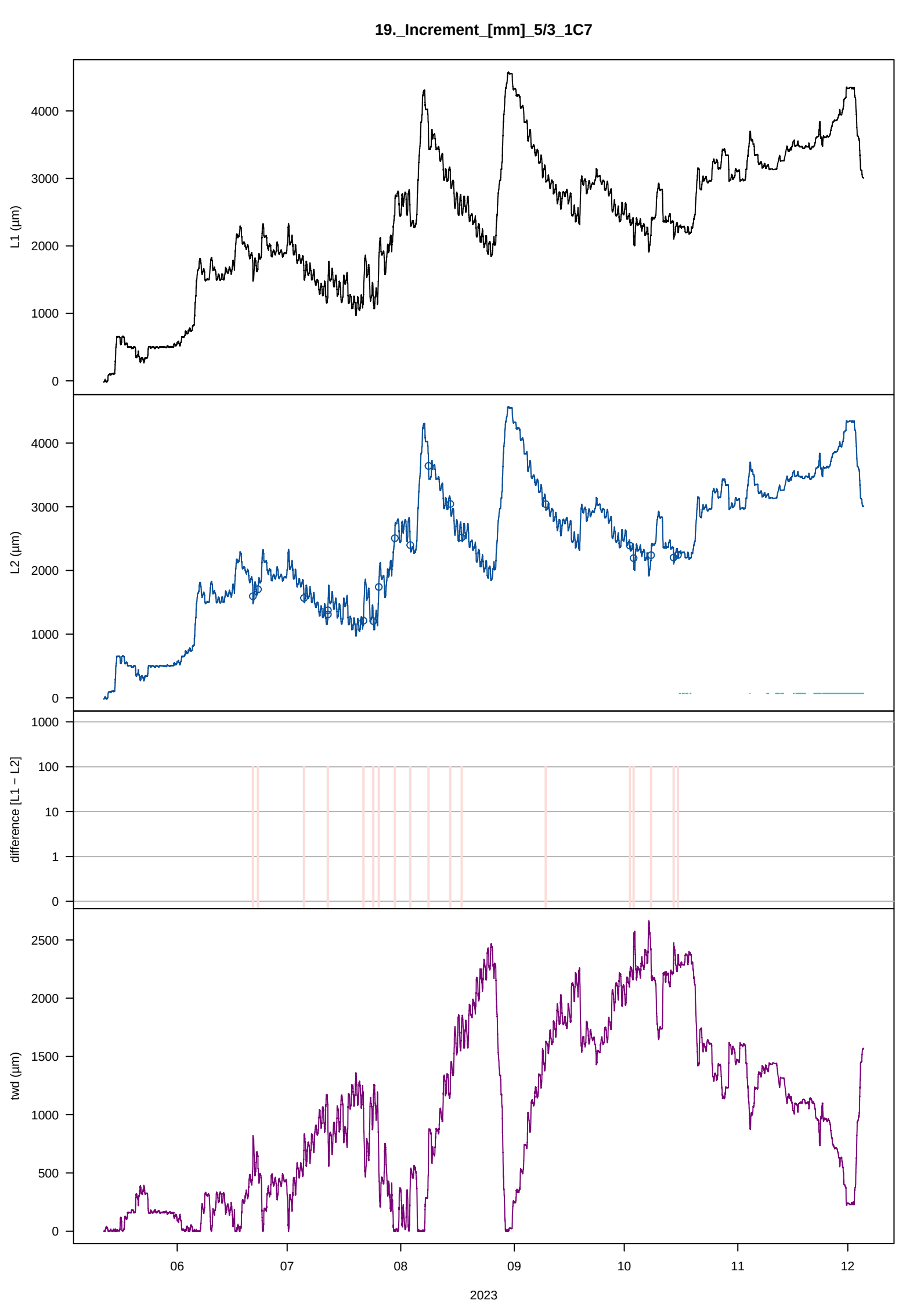


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

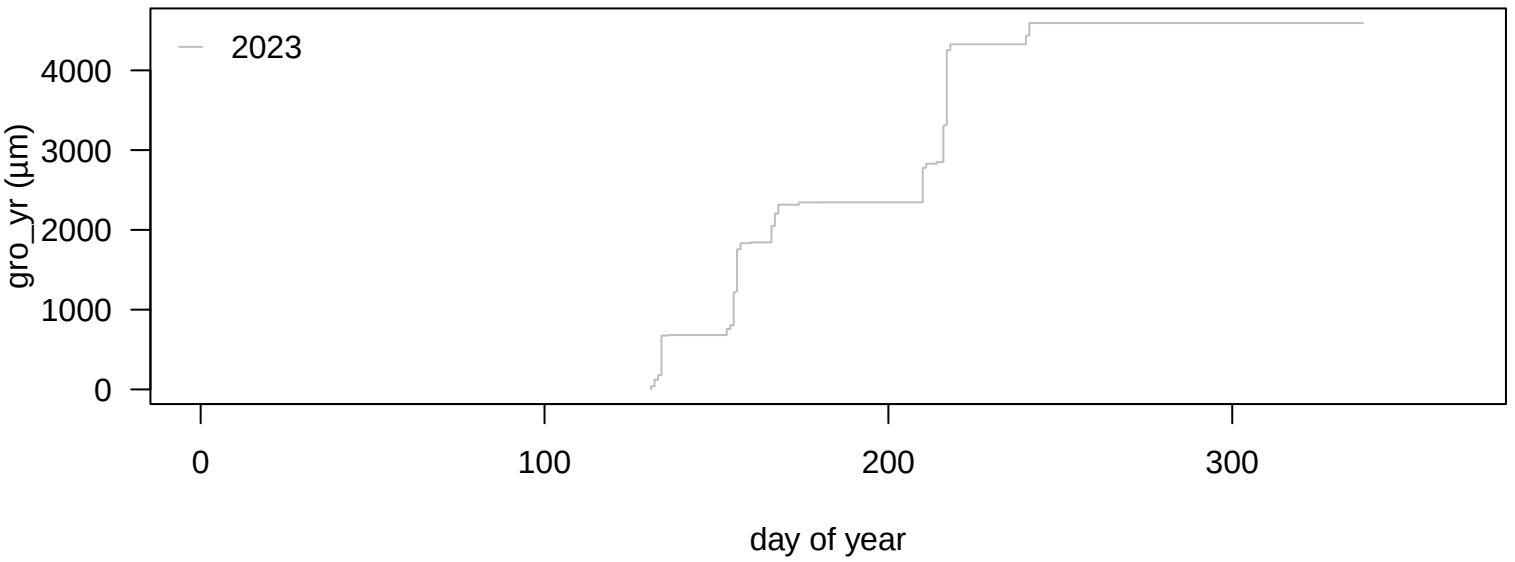
applied thresholds (µm)
tol_jump = −1346.46 / 1352.46
tol_out = −278.9 / 284.89
tol_jump_frost = −6732.3 / 6762.3
tol_out_frost = −1394.5 / 1424.45

changes in data
interpolated: 0.13%
deleted: 0.13%
missing: 0%

growth statistics (µm): median (min / max)
month: 564 (21 / 1803)
week: 304 (2 / 1306)
day: 95 (2 / 678)
hour: 14.5 (1 / 154)


19._Increment_[mm]_5/3_1C7
L1 (µm)
0
1000
2000
3000
4000
L2 (µm)
0
1000
2000
3000
4000
difference [L1 − L2]
0
1
10
100
1000
twd (µm)
0
500
1000
1500
2000
2500
06
07
08
09
10
11
12
2023

19._Increment_[mm]_5/3_1C7

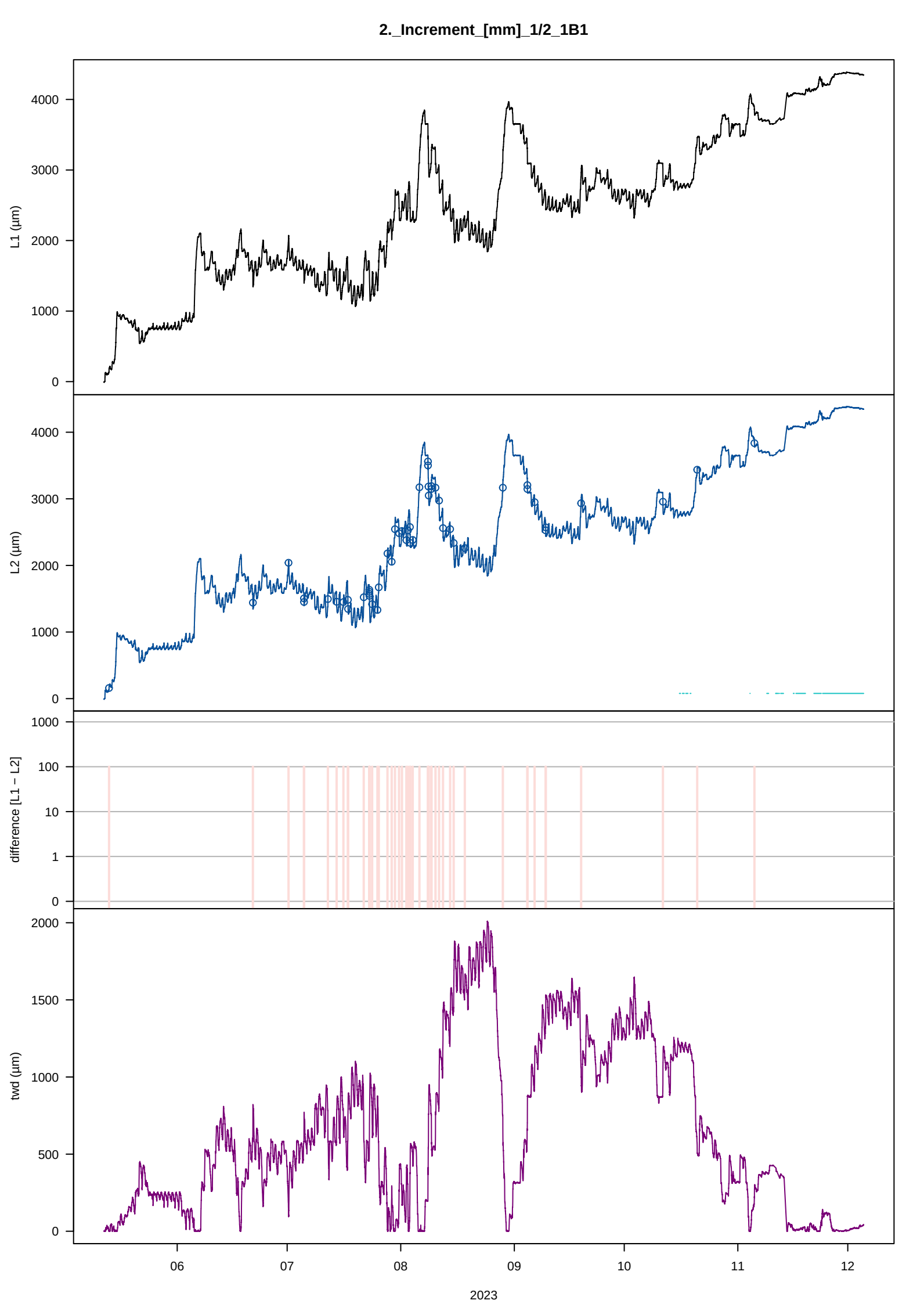


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

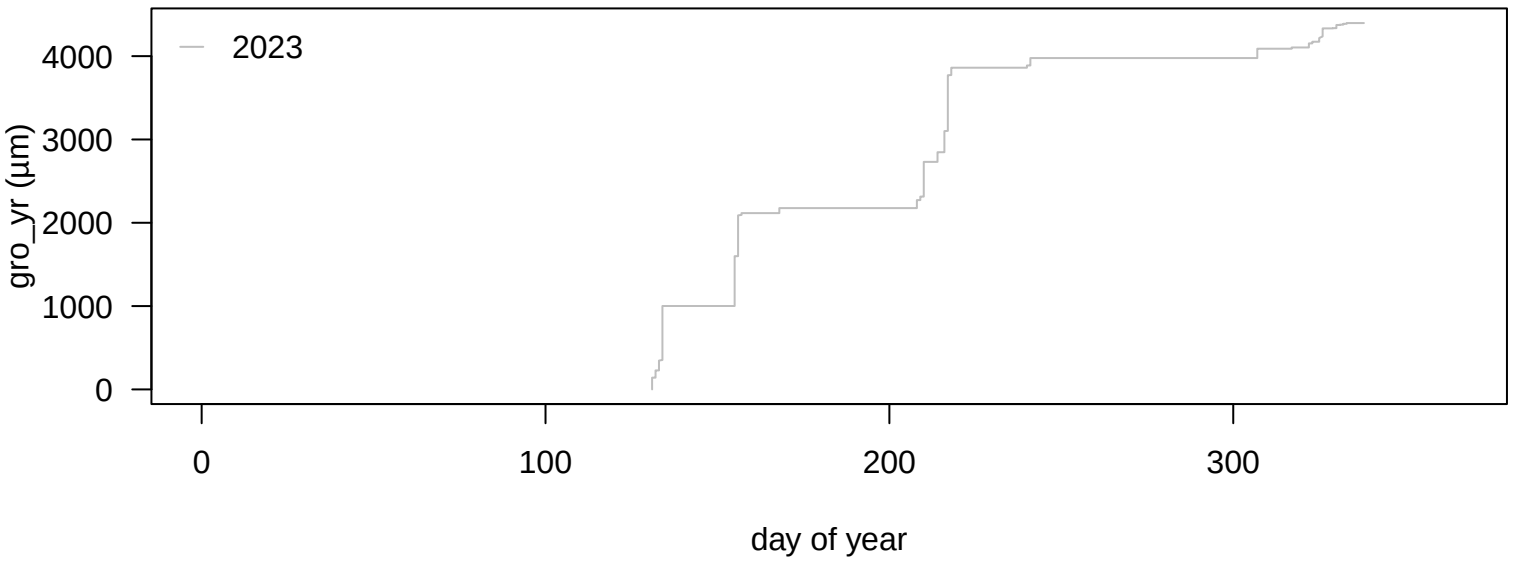
applied thresholds (µm)
tol_jump = −1796.99 / 1802.99
tol_out = −373.8 / 379.8
tol_jump_frost = −8984.95 / 9014.95
tol_out_frost = −1869 / 1899

changes in data
interpolated: 0.06%
deleted: 0.06%
missing: 0%

growth statistics (µm): median (min / max)
month: 1172.5 (484 / 1764)
week: 266 (1 / 1476)
day: 79 (1 / 947)
hour: 13 (1 / 136)


2._Increment_[mm]_1/2_1B1
L1 (µm)
0
1000
2000
3000
4000
L2 (µm)
0
1000
2000
3000
4000
difference [L1 – L2]
0
1
10
100
1000
twd (µm)
0
500
1000
1500
2000
06
07
08
09
10
11
12
2023

2._Increment_[mm]_1/2_1B1



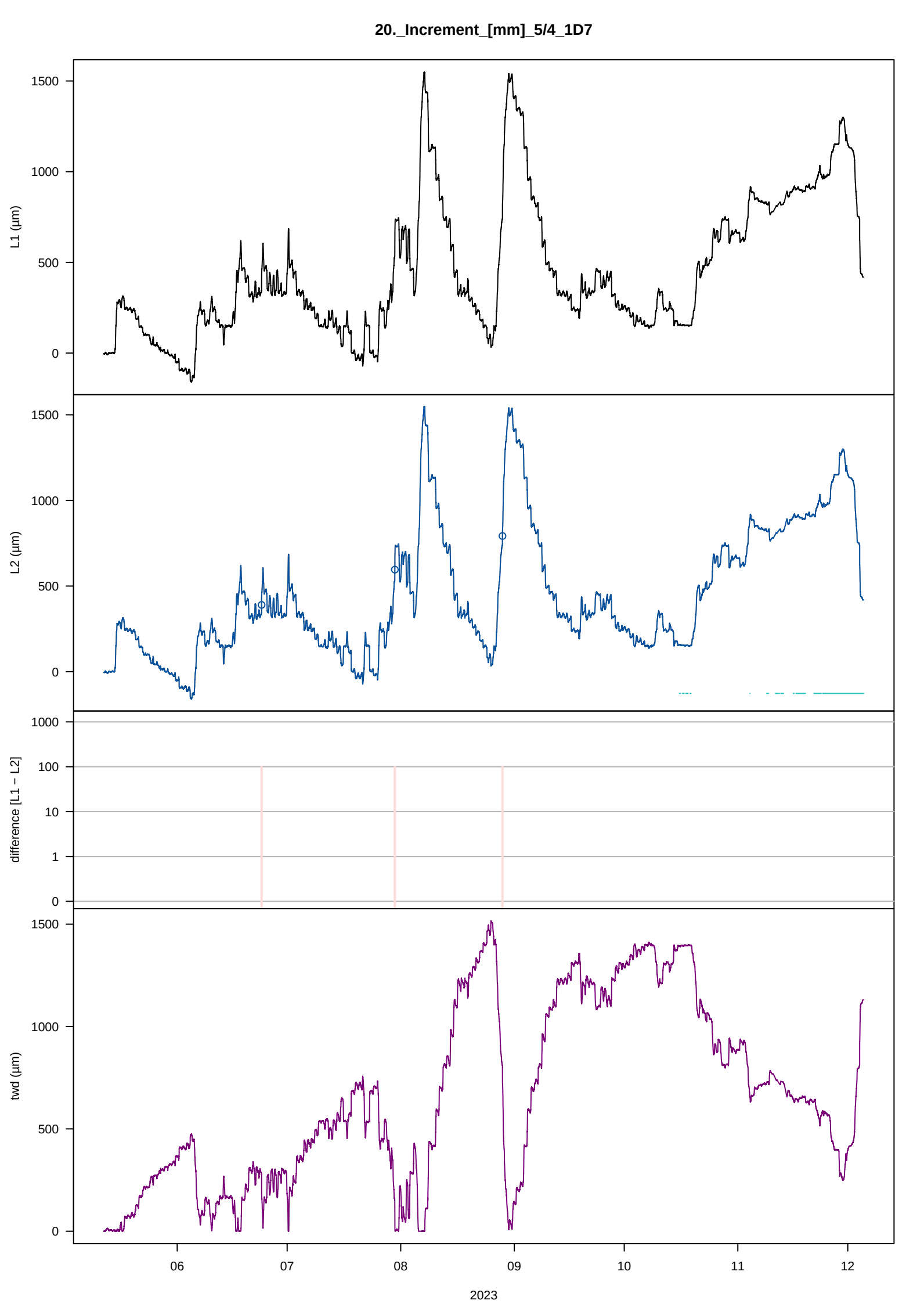
input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

applied thresholds (µm)
tol_jump = −1346.46 / 1352.46
tol_out = −284.89 / 284.89
tol_jump_frost = −6732.3 / 6762.3
tol_out_frost = −1424.45 / 1424.45

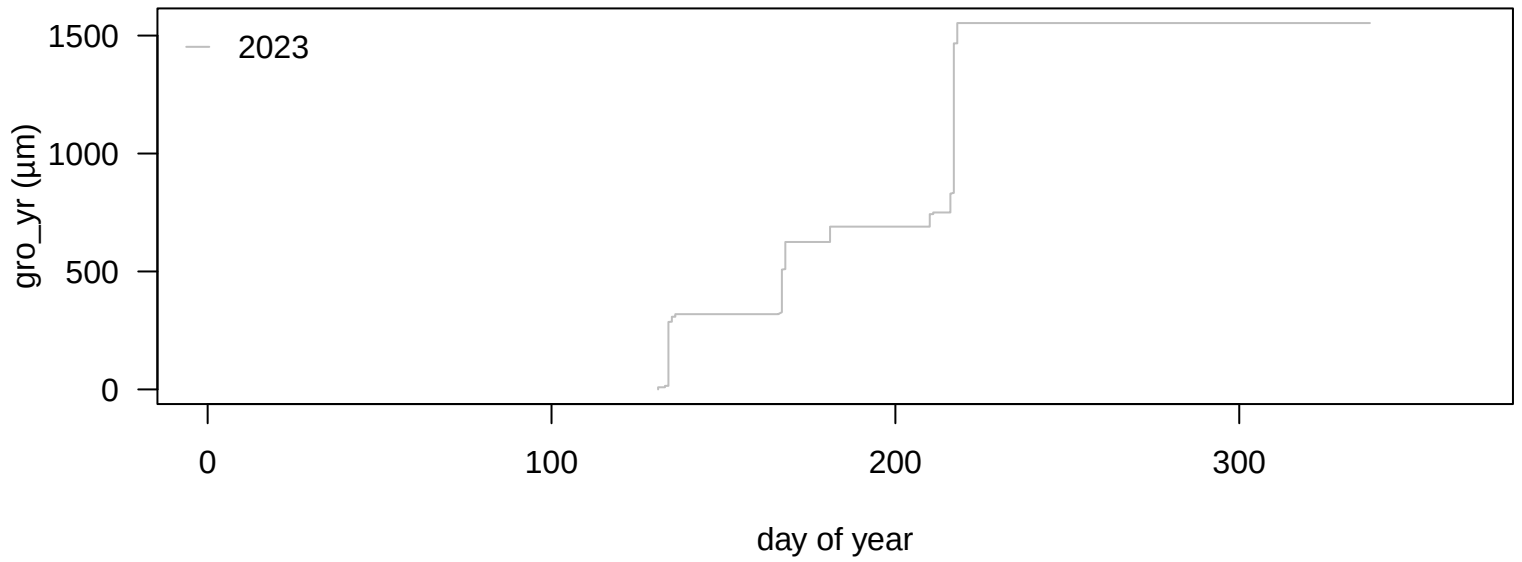
changes in data
interpolated: 0.17%
deleted: 0.17%
missing: 0%

growth statistics (µm): median (min / max)
month: 1001 (420 / 1246)
week: 149.5 (60 / 1115)
day: 88 (3 / 671)
hour: 11 (1 / 163)

treenetproc: 0.1.4


20._Increment_[mm]_5/4_1D7
L1 (µm)
L2 (µm)
difference [L1 − L2]
twd (µm)
1500
1000
500
0
100
10
1
06
07
08
09
10
11
12
2023

20._Increment_[mm]_5/4_1D7

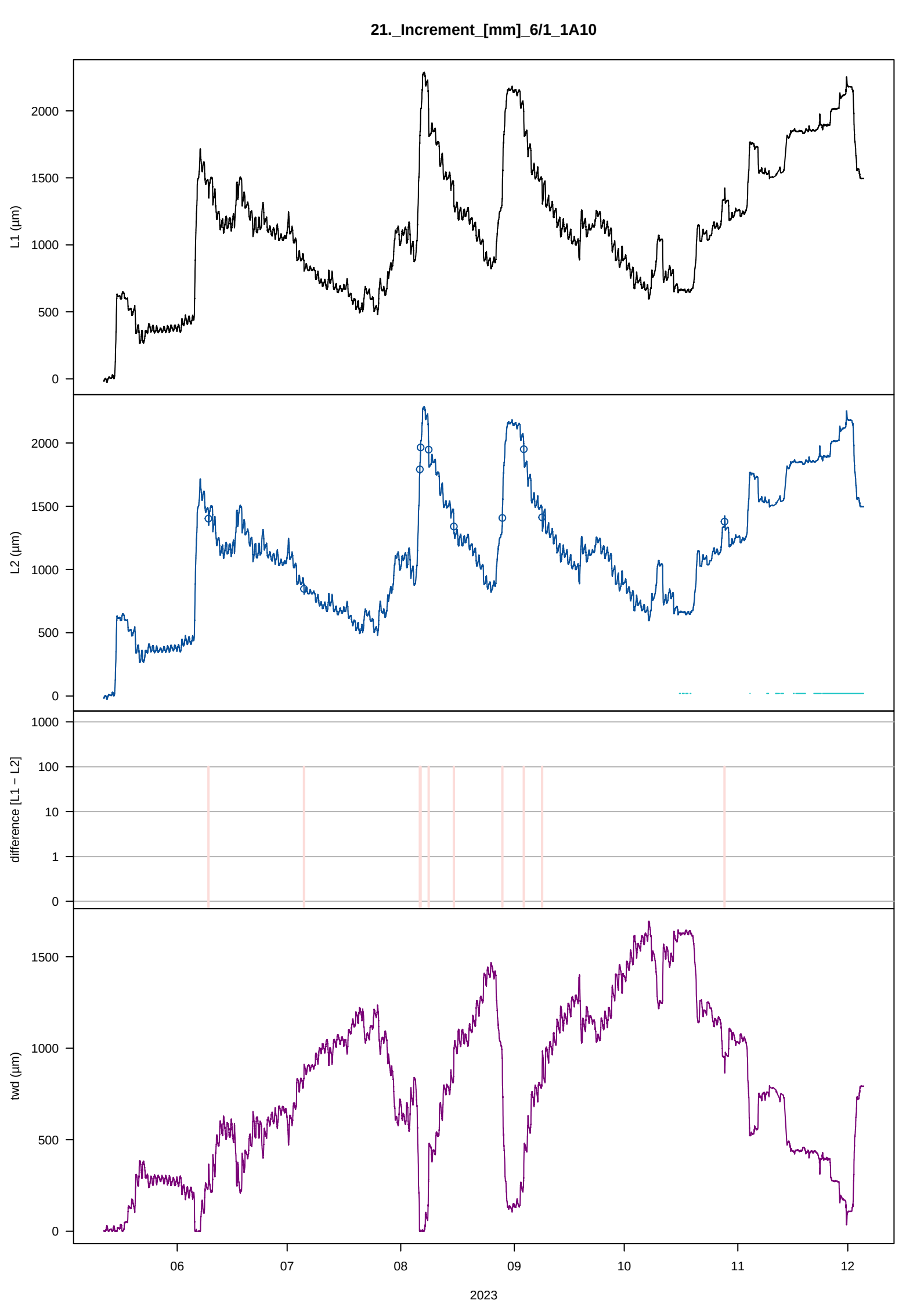


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

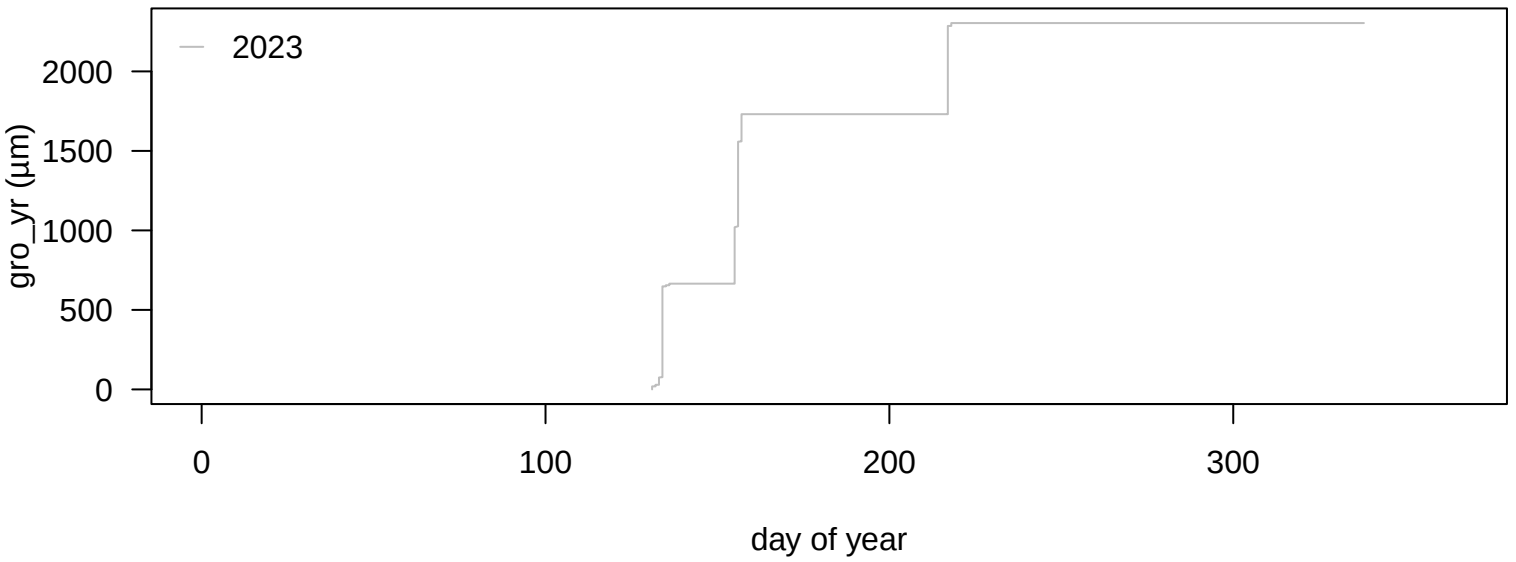
applied thresholds (µm)
tol_jump = −1346.24 / 1346.24
tol_out = −278.85 / 278.85
tol_jump_frost = −6731.2 / 6731.2
tol_out_frost = −1394.25 / 1394.25

changes in data
interpolated: 0.01%
deleted: 0.01%
missing: 0%

growth statistics (µm): median (min / max)
month: 312.5 (125 / 803)
week: 86 (15 / 724)
day: 59 (1 / 637)
hour: 10 (1 / 83)


21._Increment_[mm]_6/1_1A10
L1 (µm)
0
500
1000
1500
2000
L2 (µm)
0
500
1000
1500
2000
difference [L1 − L2]
0
1
10
100
1000
twd (µm)
0
500
1000
1500
06
07
08
09
10
11
12
2023

21._Increment_[mm]_6/1_1A10

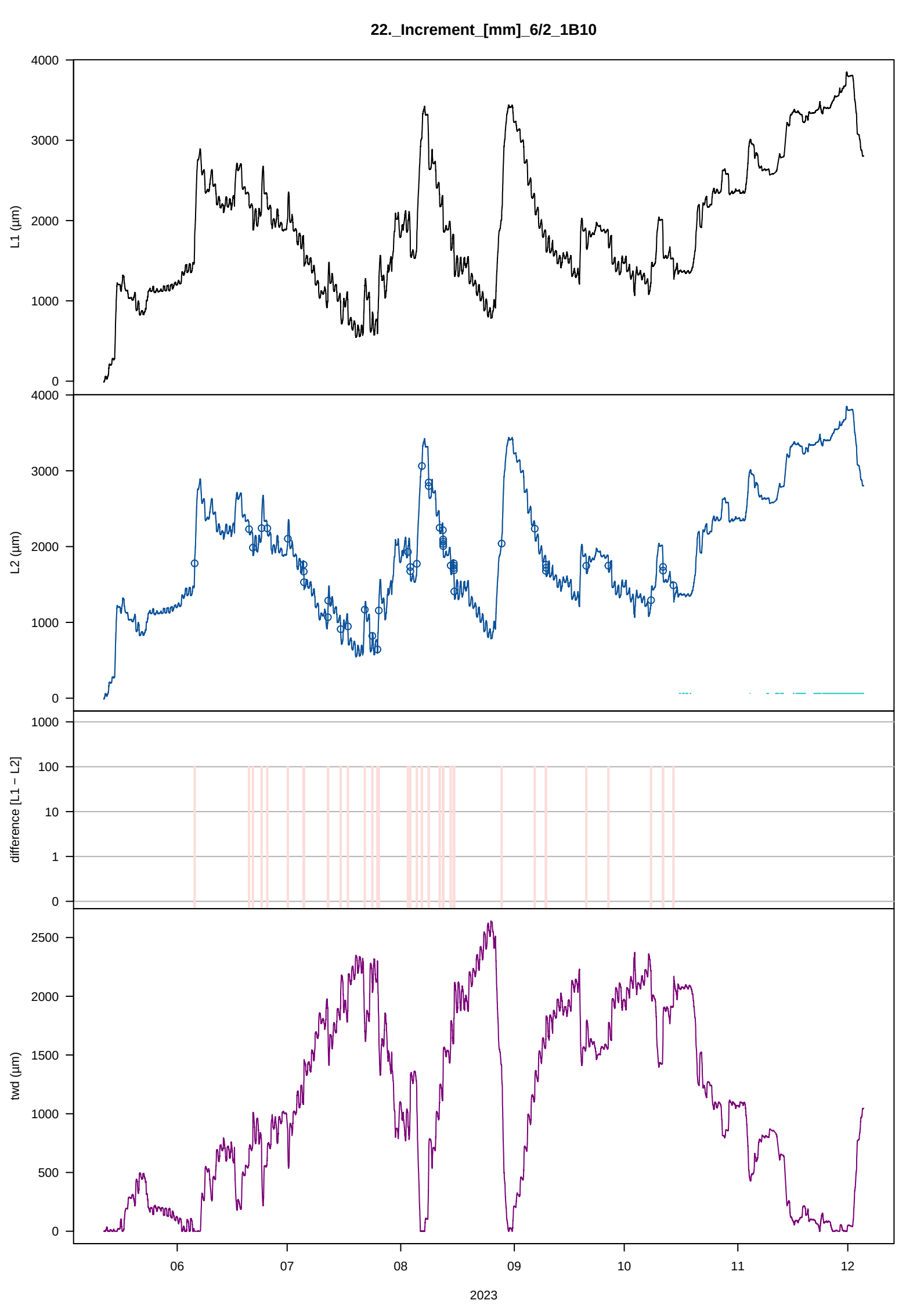


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

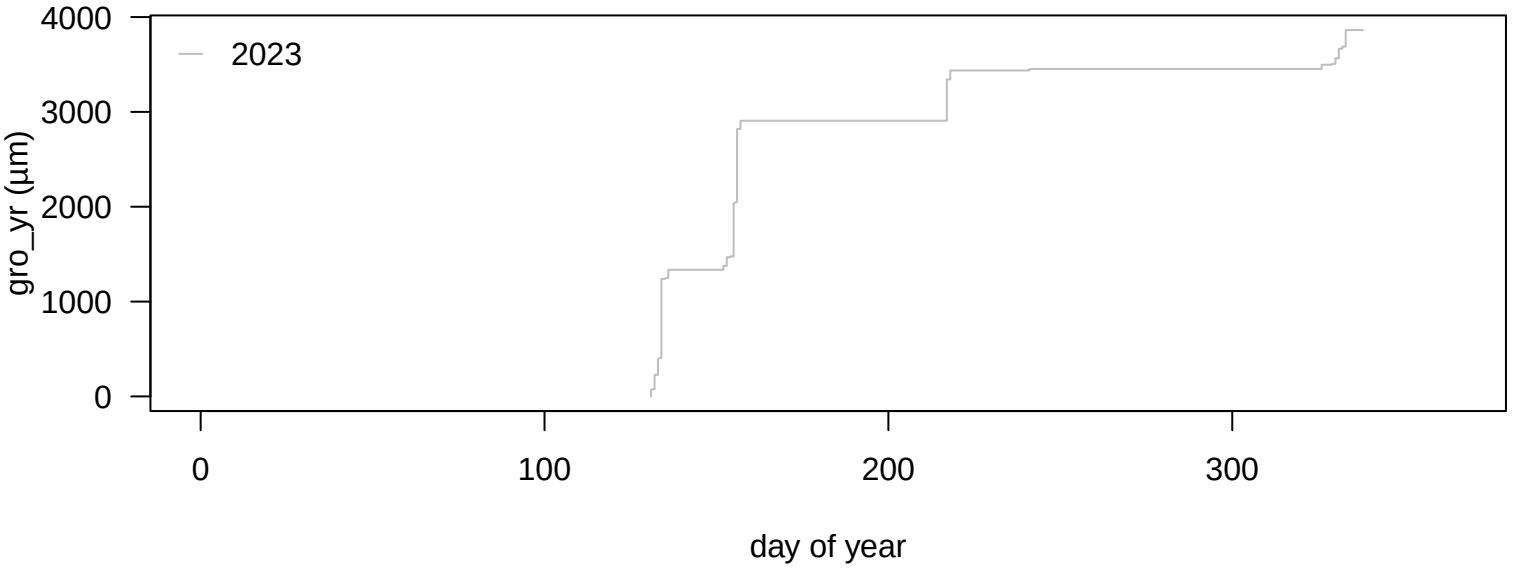
applied thresholds (µm)
tol_jump = −1346.45 / 1346.46
tol_out = −278.89 / 278.89
tol_jump_frost = −6732.25 / 6732.3
tol_out_frost = −1394.45 / 1394.45

changes in data
interpolated: 0.03%
deleted: 0.03%
missing: 0%

growth statistics (µm): median (min / max)
month: 665 (573 / 1066)
week: 555 (18 / 1066)
day: 46 (7 / 573)
hour: 17 (1 / 99)


22._Increment_[mm]_6/2_1B10
L1 (µm)
4000
3000
2000
1000
0
L2 (µm)
4000
3000
2000
1000
0
difference [L1 − L2]
1000
100
10
1
0
twd (µm)
2500
2000
1500
1000
500
0
06
07
08
09
10
11
12
2023

22._Increment_[mm]_6/2_1B10



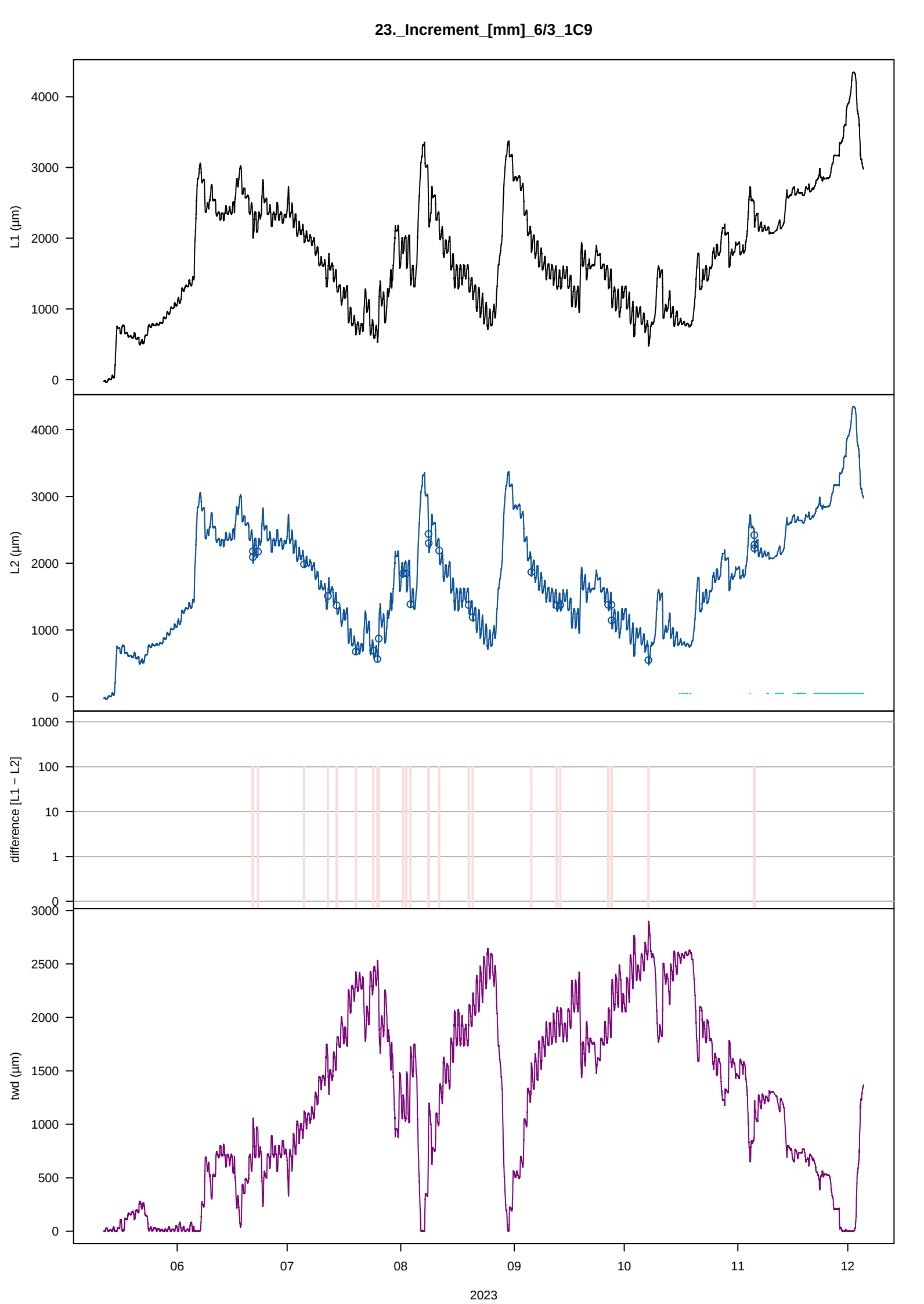
input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

applied thresholds (µm)
tol_jump = −1346.46 / 1352.45
tol_out = −278.89 / 284.89
tol_jump_frost = −6732.3 / 6762.25
tol_out_frost = −1394.45 / 1424.45

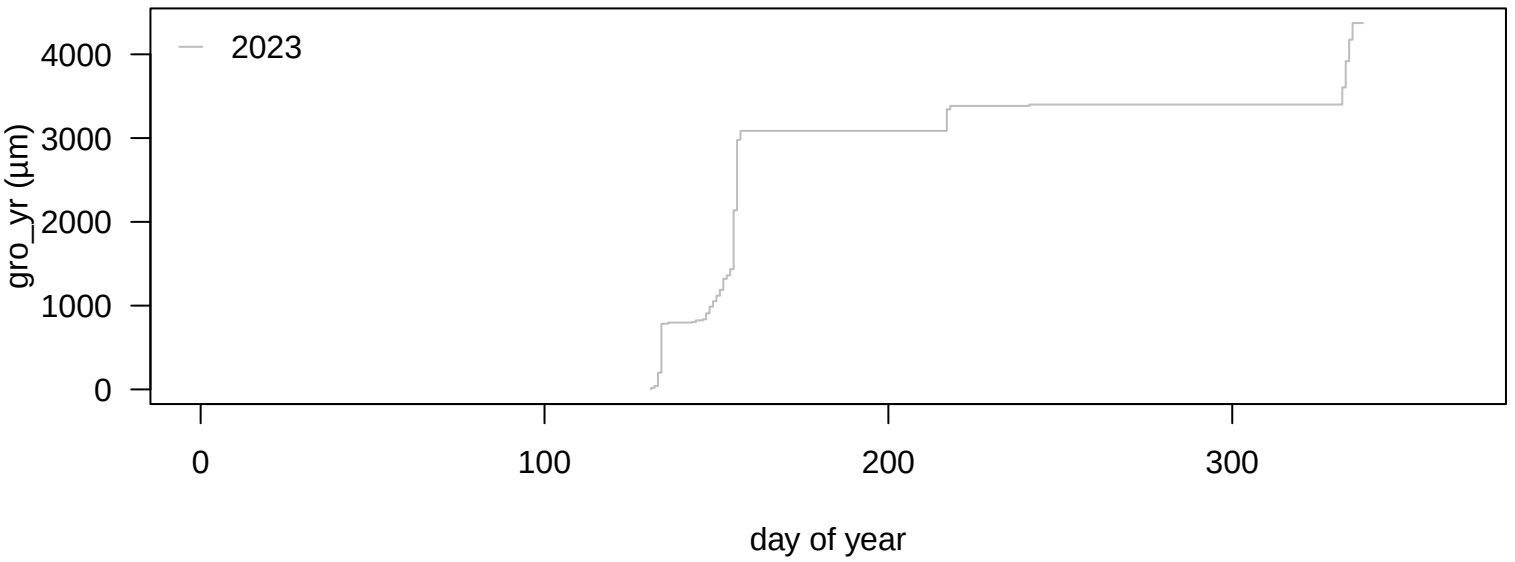
changes in data
interpolated: 0.16%
deleted: 0.16%
missing: 0%

growth statistics (µm): median (min / max)
month: 940.5 (410 / 1572)
week: 357 (16 / 1431)
day: 89 (1 / 842)
hour: 12 (1 / 137)

treenetproc: 0.1.4


23._Increment_[mm]_6/3_1C9
L1 (µm)
4000
3000
2000
1000
0
L2 (µm)
4000
3000
2000
1000
0
difference [L1 – L2]
1000
100
10
1
0
twd (µm)
3000
2500
2000
1500
1000
500
0
06
07
08
09
10
11
12
2023

23._Increment_[mm]_6/3_1C9



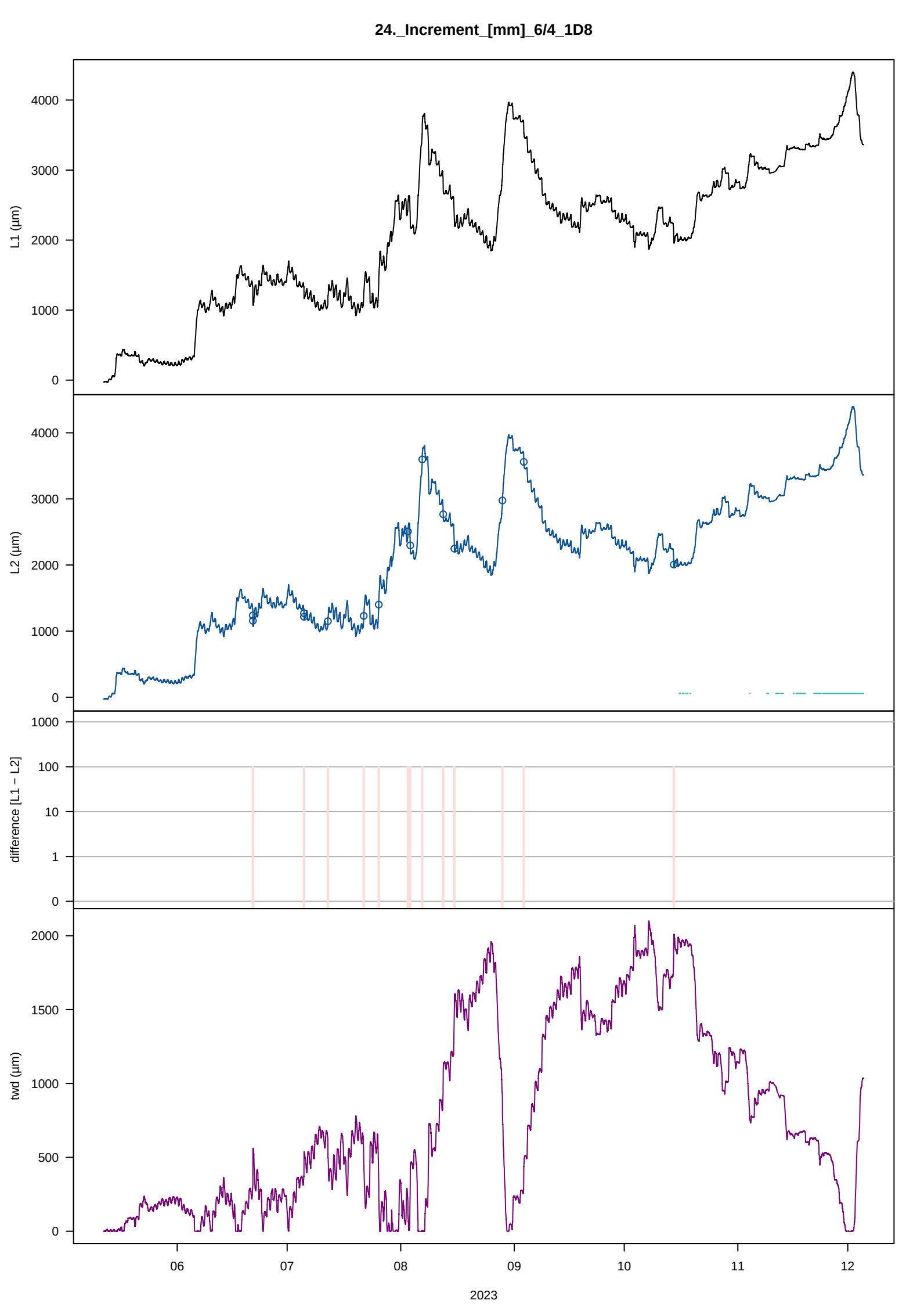
input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

applied thresholds (µm)
tol_jump = −1791 / 1802.99
tol_out = −373.79 / 379.8
tol_jump_frost = −8955 / 9014.95
tol_out_frost = −1868.95 / 1899

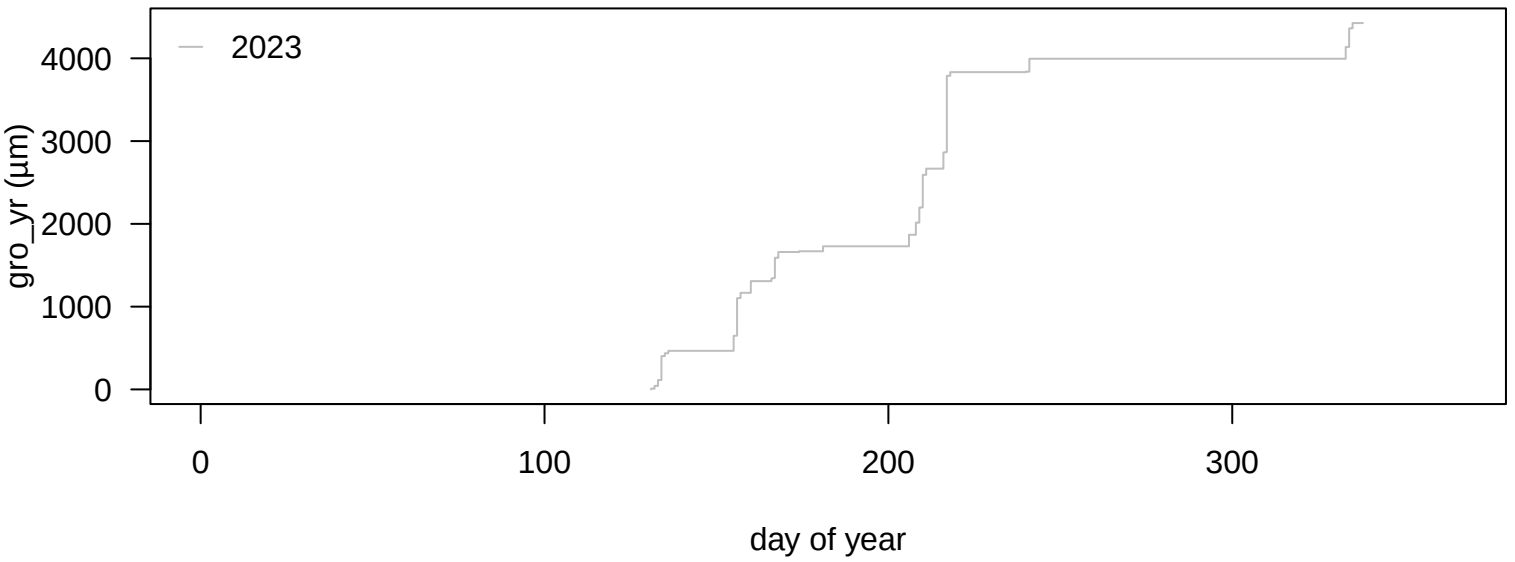
changes in data
interpolated: 0.09%
deleted: 0.09%
missing: 0%

growth statistics (µm): median (min / max)
month: 518 (314 / 1968)
week: 258 (16 / 1651)
day: 71 (1 / 838)
hour: 11 (1 / 165)

treenetproc: 0.1.4


24._Increment_[mm]_6/4_1D8
L1 (µm)
0
1000
2000
3000
4000
L2 (µm)
0
1000
2000
3000
4000
difference [L1 − L2]
0
1
10
100
1000
twd (µm)
0
500
1000
1500
2000
06
07
08
09
10
11
12
2023

24._Increment_[mm]_6/4_1D8

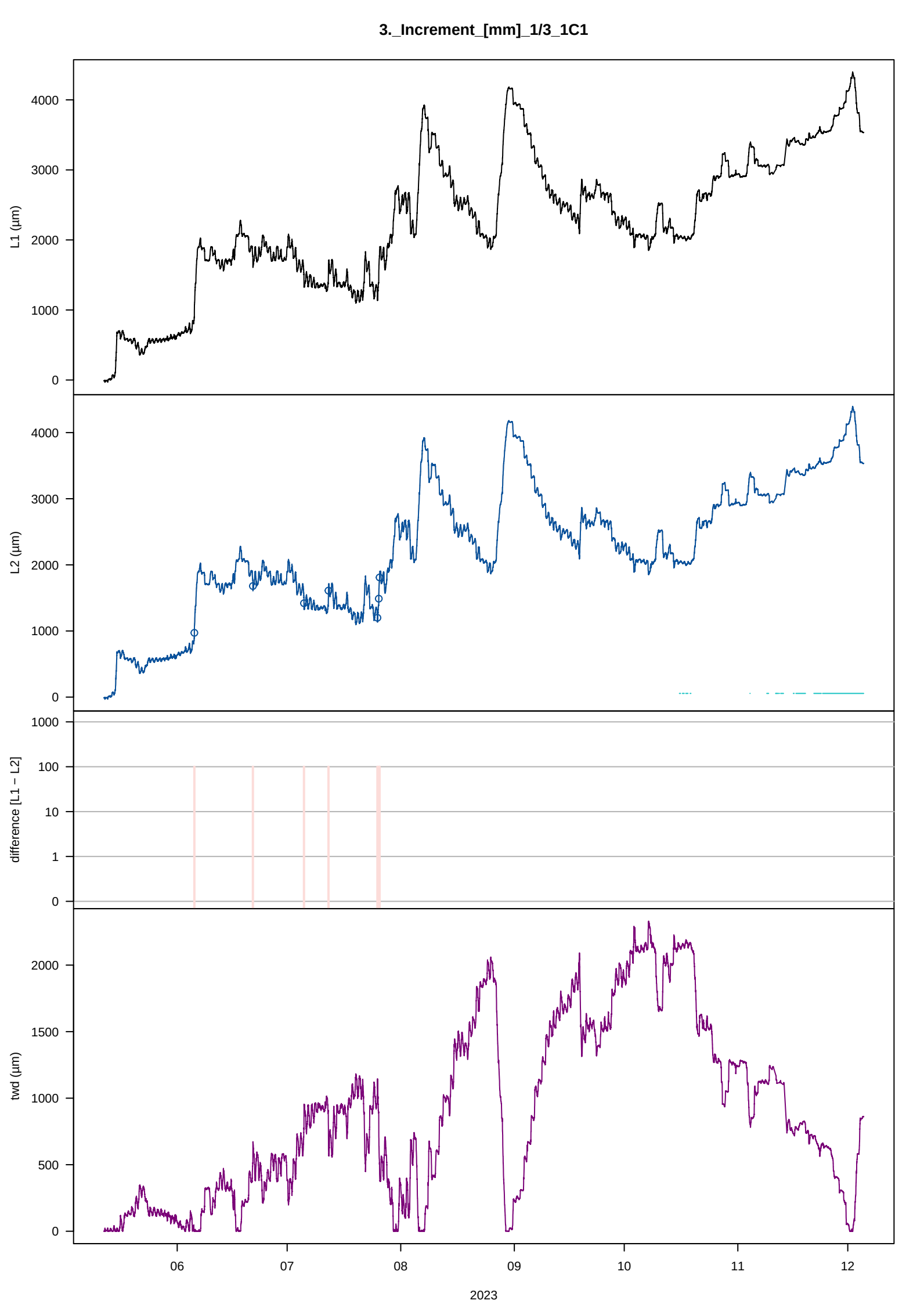


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

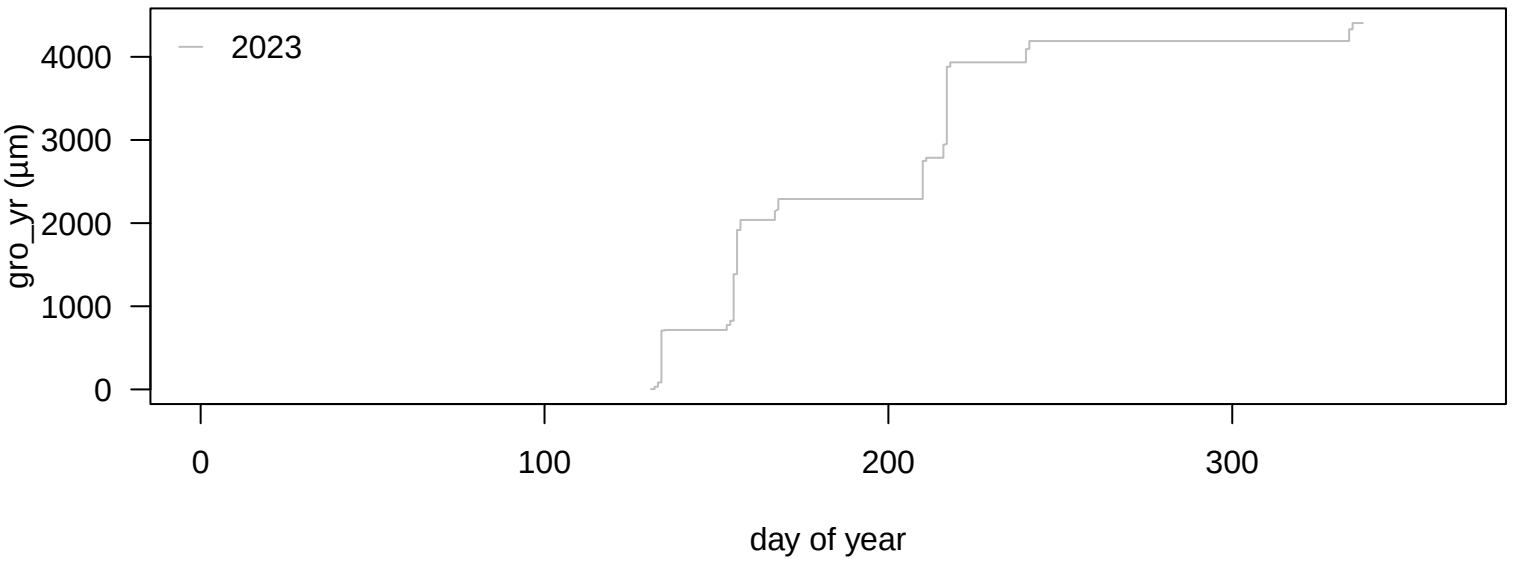
applied thresholds (µm)
tol_jump = −1346.46 / 1350.55
tol_out = −278.89 / 284.89
tol_jump_frost = −6732.3 / 6752.75
tol_out_frost = −1394.45 / 1424.45

changes in data
interpolated: 0.05%
deleted: 0.05%
missing: 0%

growth statistics (µm): median (min / max)
month: 732 (142 / 1328)
week: 352 (9 / 1197)
day: 107 (6 / 927)
hour: 12 (1 / 105)


3._Increment_[mm]_1/3_1C1
L1 (µm)
0
1000
2000
3000
4000
L2 (µm)
0
1000
2000
3000
4000
difference [L1 − L2]
0
1
10
100
1000
twd (µm)
0
500
1000
1500
2000
06
07
08
09
10
11
12
2023

3._Increment_[mm]_1/3_1C1



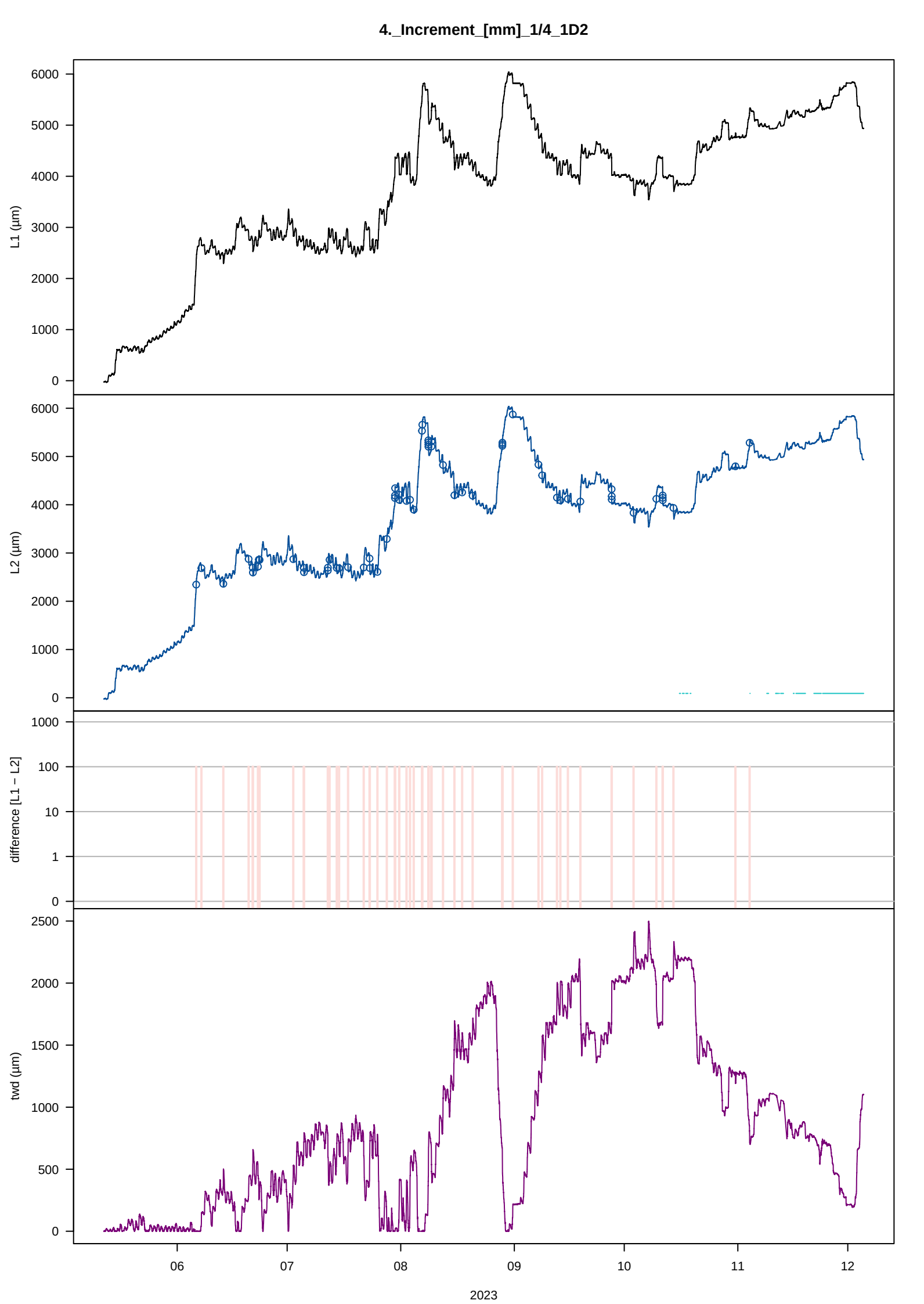
input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

applied thresholds (µm)
tol_jump = −1796.99 / 1796.99
tol_out = −373.8 / 373.8
tol_jump_frost = −8984.95 / 8984.95
tol_out_frost = −1869 / 1869

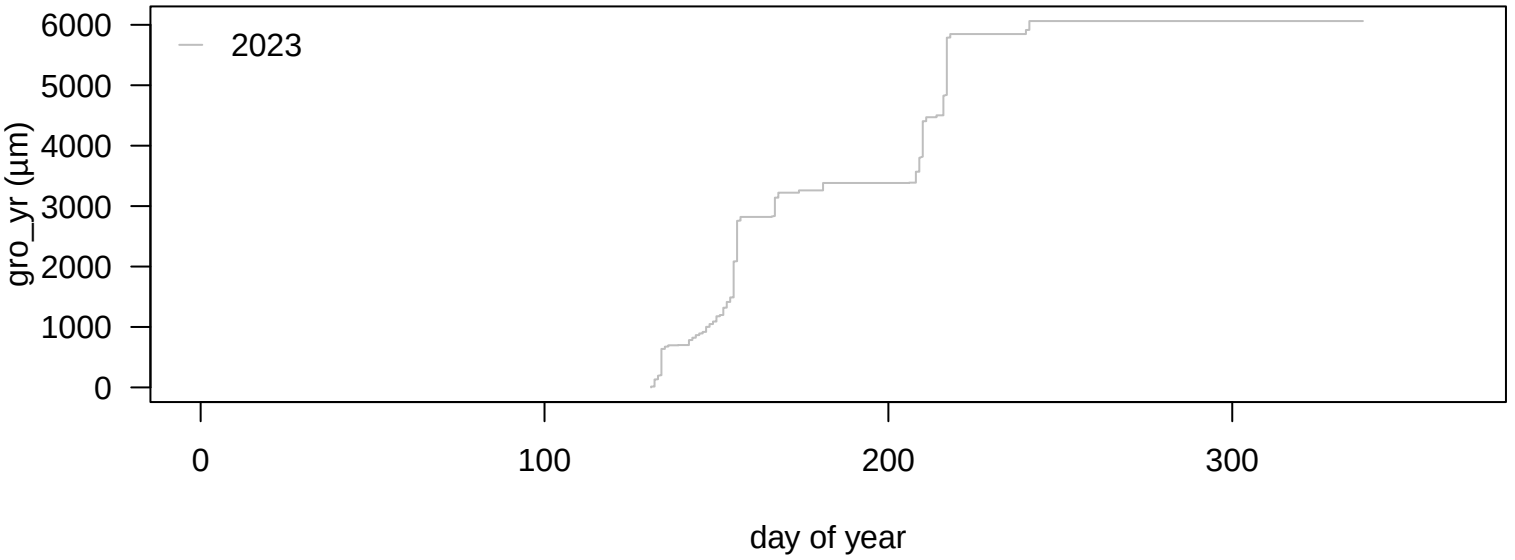
changes in data
interpolated: 0.02%
deleted: 0.02%
missing: 0%

growth statistics (µm): median (min / max)
month: 715 (216 / 1575)
week: 254 (53 / 1213)
day: 101.5 (1 / 939)
hour: 13 (1 / 167)

treenetproc: 0.1.4


4._Increment_[mm]_1/4_1D2
L1 (µm)
0
1000
2000
3000
4000
5000
6000
L2 (µm)
0
1000
2000
3000
4000
5000
6000
difference [L1 − L2]
0
1
10
100
1000
twd (µm)
0
500
1000
1500
2000
2500
06
07
08
09
10
11
12
2023

4._Increment_[mm]_1/4_1D2



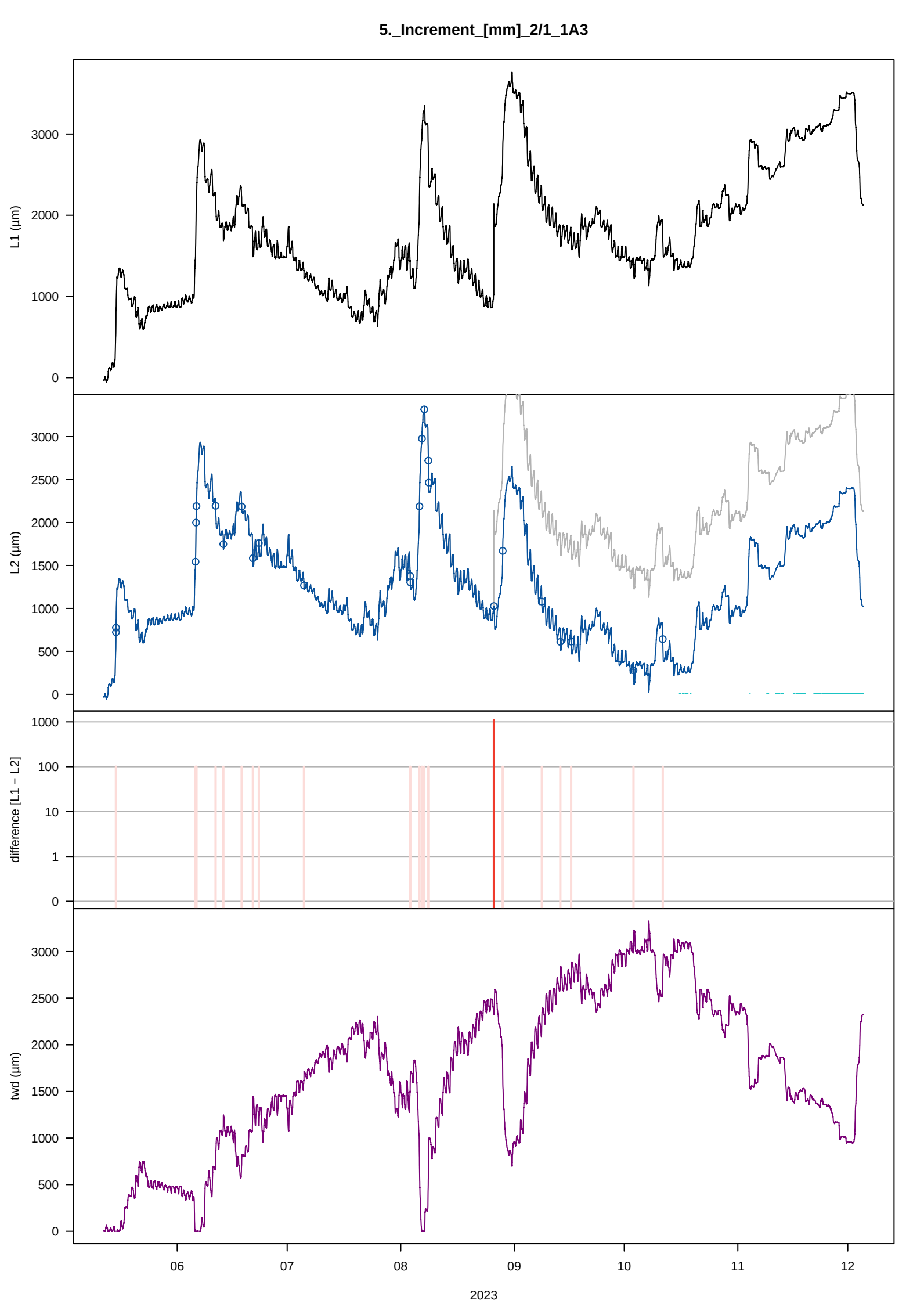
input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

applied thresholds (µm)
tol_jump = −1346.46 / 1352.46
tol_out = −278.89 / 284.89
tol_jump_frost = −6732.3 / 6762.3
tol_out_frost = −1394.45 / 1424.45

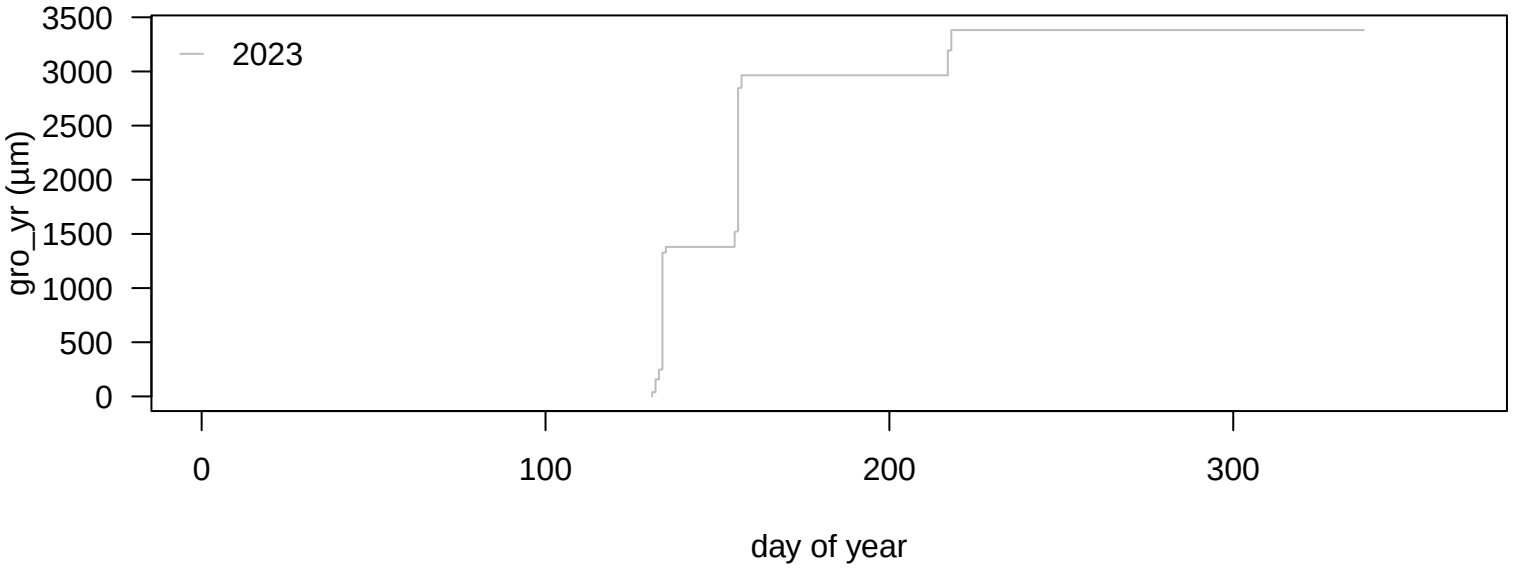
changes in data
interpolated: 0.21%
deleted: 0.21%
missing: 0%

growth statistics (µm): median (min / max)
month: 1401 (1177 / 2083)
week: 351 (38 / 1382)
day: 67 (4 / 960)
hour: 10.5 (1 / 214)

treenetproc: 0.1.4


5._Increment_[mm]_2/1_1A3
L1 (µm)
0
1000
2000
3000
L2 (µm)
0
500
1000
1500
2000
2500
3000
difference [L1 − L2]
0
1
10
100
1000
twd (µm)
0
500
1000
1500
2000
2500
3000
06
07
08
09
10
11
12
2023

5._Increment_[mm]_2/1_1A3

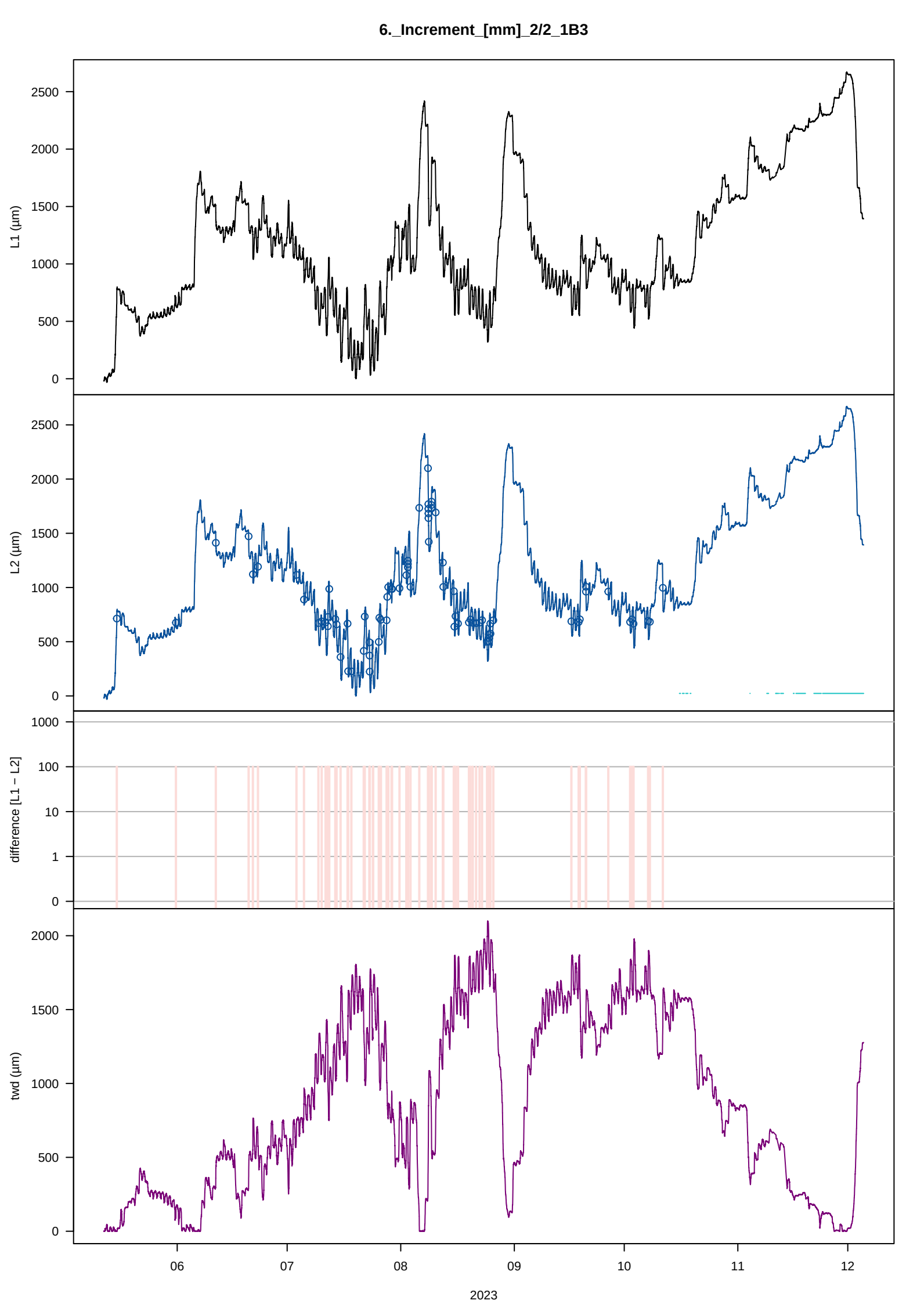


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

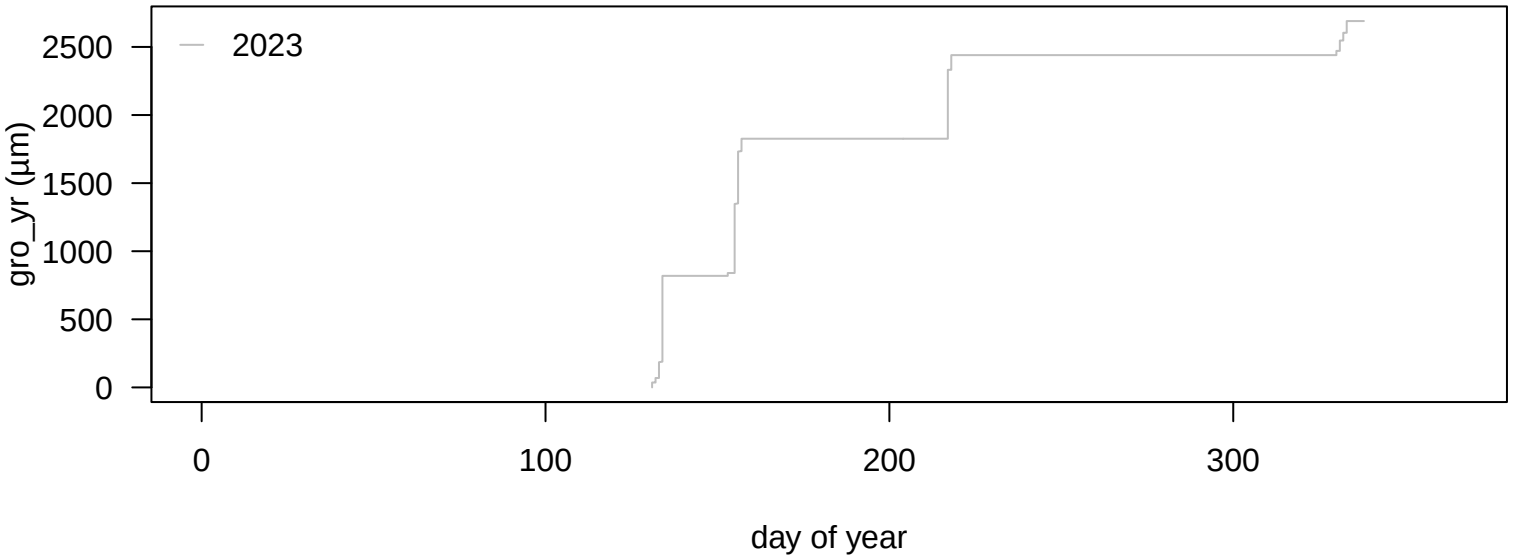
applied thresholds (µm)
tol_jump = −1346.46 / 1352.46
tol_out = −278.9 / 284.89
tol_jump_frost = −6732.3 / 6762.3
tol_out_frost = −1394.5 / 1424.45

changes in data
interpolated: 0.08%
deleted: 0.08%
missing: 0%

growth statistics (µm): median (min / max)
month: 1380 (417 / 1585)
week: 246 (188 / 1585)
day: 128 (39 / 1329)
hour: 17 (1 / 194)


6._Increment_[mm]_2/2_1B3
L1 (µm)
2500
2000
1500
1000
500
0
L2 (µm)
2500
2000
1500
1000
500
0
difference [L1 − L2]
1000
100
10
1
0
twd (µm)
2000
1500
1000
500
0
06
07
08
09
10
11
12
2023

6._Increment_[mm]_2/2_1B3

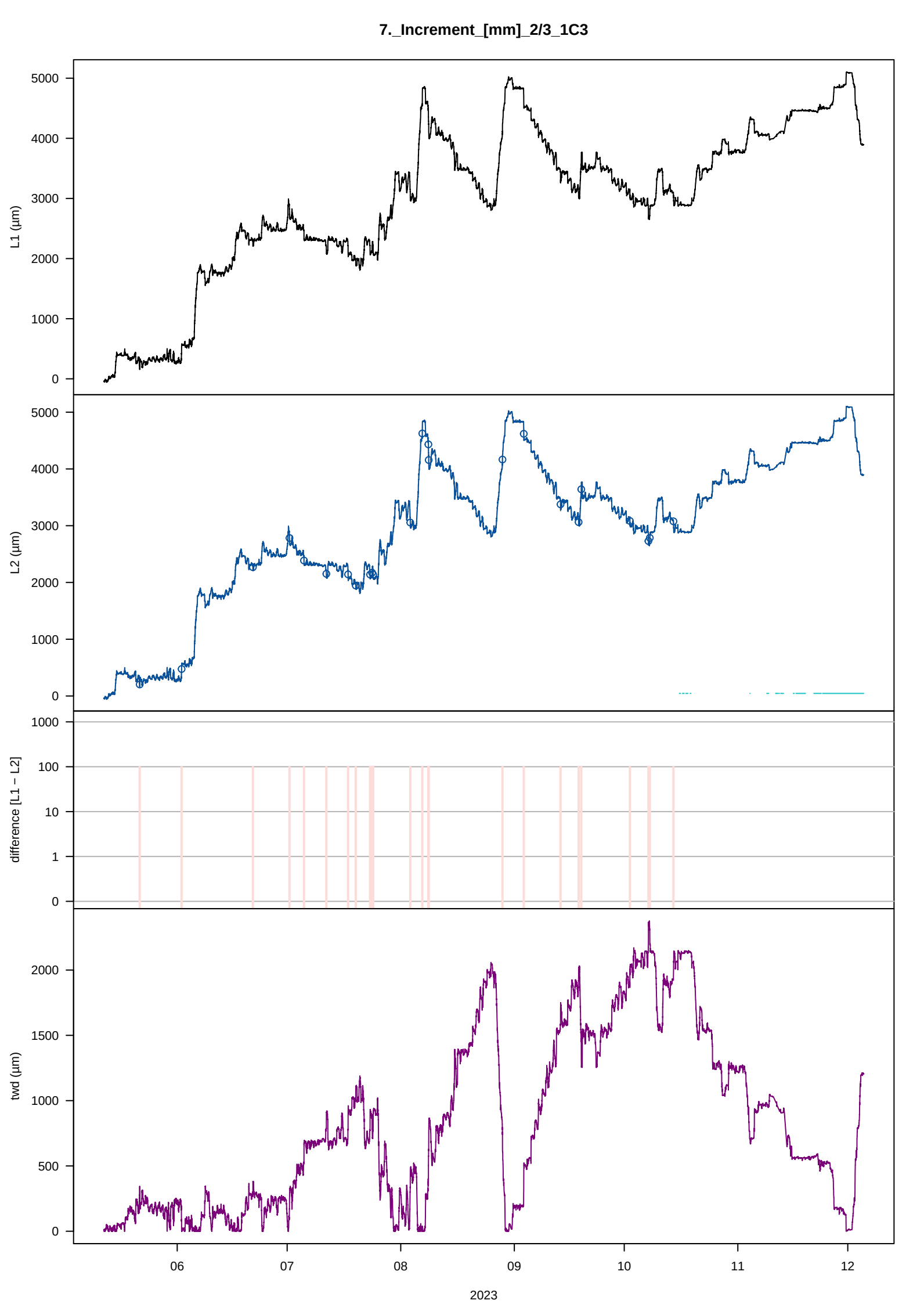


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

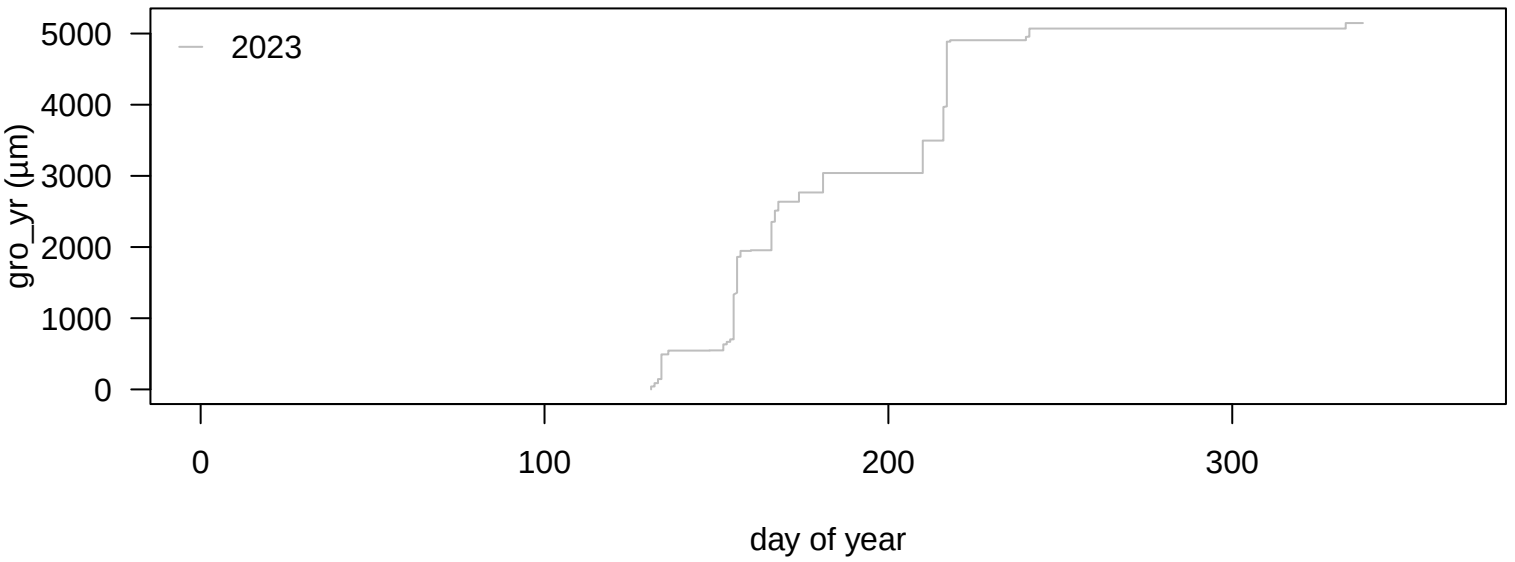
applied thresholds (µm)
tol_jump = −1346.46 / 1352.46
tol_out = −278.9 / 284.89
tol_jump_frost = −6732.3 / 6762.3
tol_out_frost = −1394.5 / 1424.45

changes in data
interpolated: 0.27%
deleted: 0.29%
missing: 0%

growth statistics (µm): median (min / max)
month: 716.5 (250 / 1007)
week: 250 (21 / 986)
day: 90 (21 / 634)
hour: 12 (1 / 135)


7._Increment_[mm]_2/3_1C3
L1 (µm)
5000
4000
3000
2000
1000
0
L2 (µm)
5000
4000
3000
2000
1000
0
difference [L1 – L2]
1000
100
10
1
0
twd (µm)
2000
1500
1000
500
0
06
07
08
09
10
11
12
2023

7._Increment_[mm]_2/3_1C3

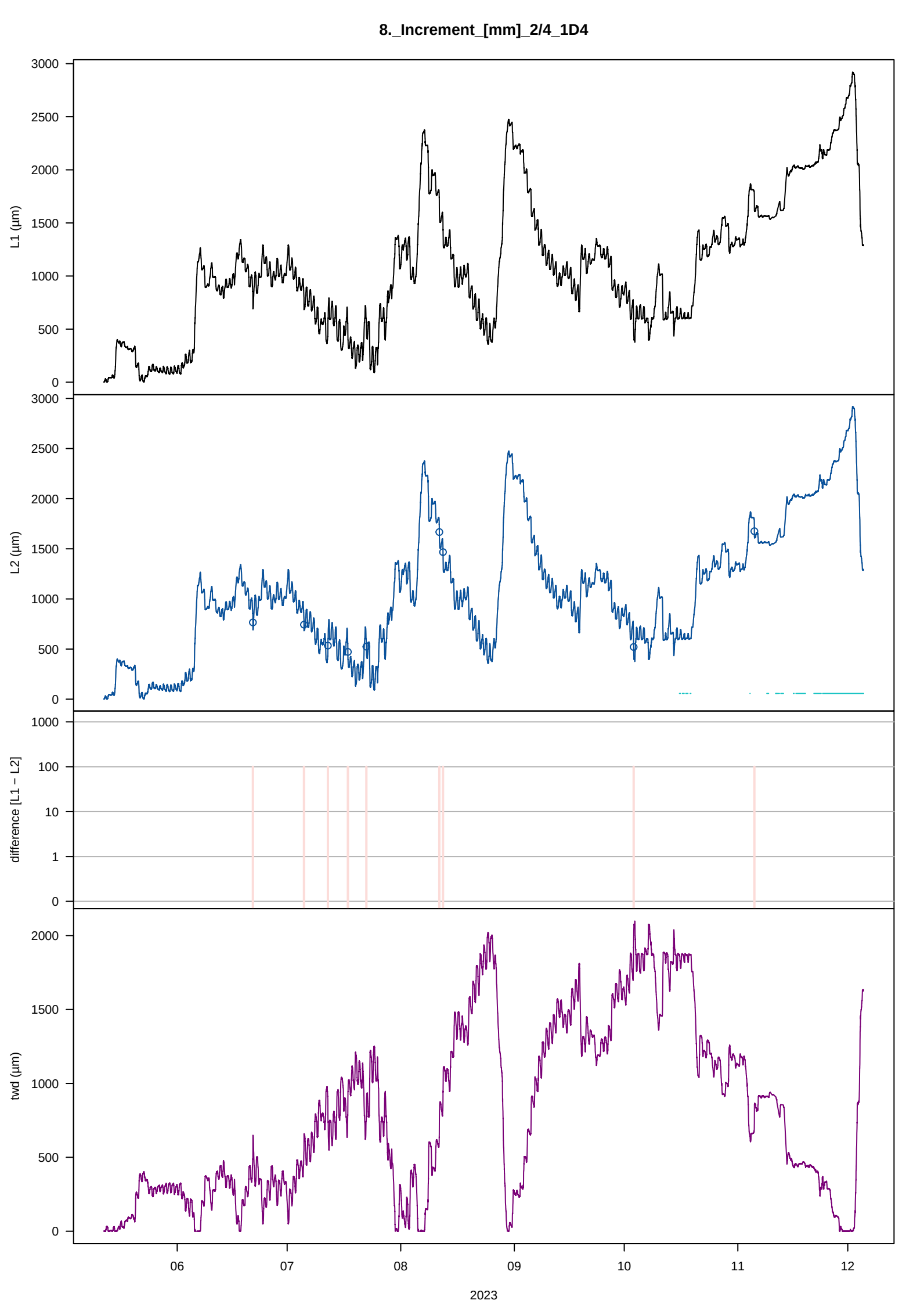


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

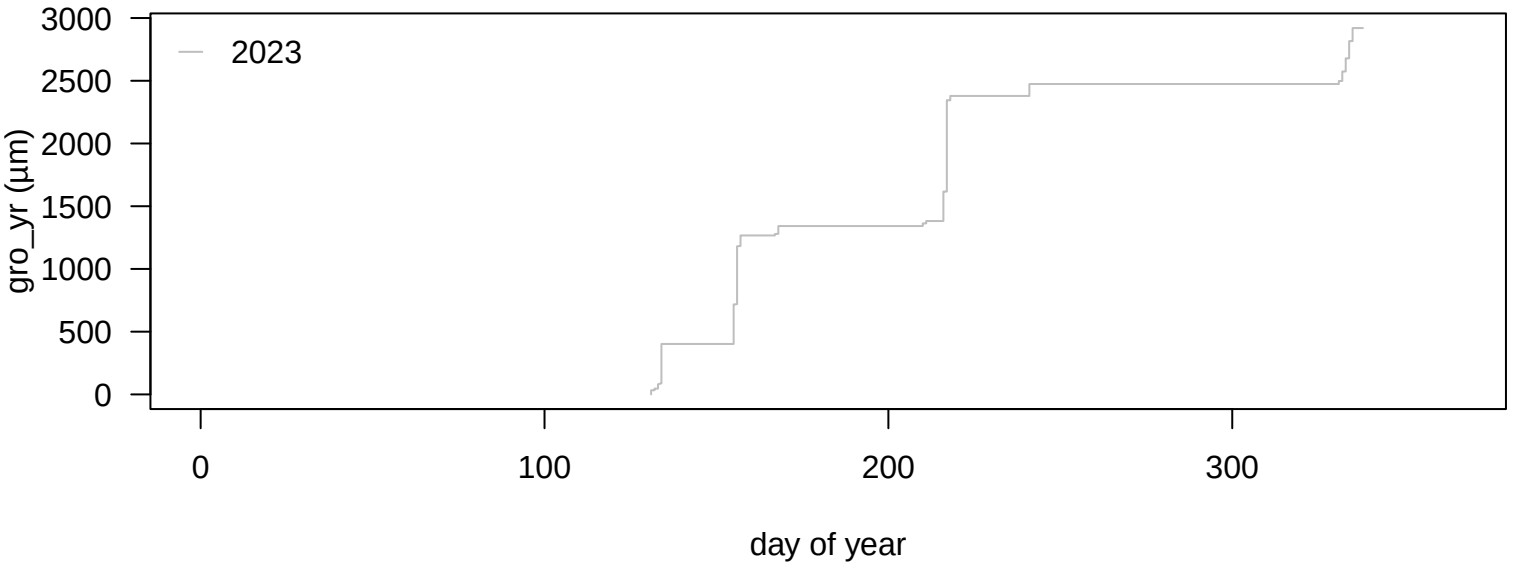
applied thresholds (µm)
tol_jump = −2247.95 / 2253.95
tol_out = −468.79 / 474.79
tol_jump_frost = −11239.75 / 11269.75
tol_out_frost = −2343.95 / 2373.95

changes in data
interpolated: 0.08%
deleted: 0.08%
missing: 0%

growth statistics (µm): median (min / max)
month: 729 (77 / 2219)
week: 218.5 (20 / 1390)
day: 85 (3 / 918)
hour: 16 (1 / 206)


8._Increment_[mm]_2/4_1D4
L1 (µm)
L2 (µm)
difference [L1 − L2]
twd (µm)
06
07
08
09
10
11
12
2023

8._Increment_[mm]_2/4_1D4

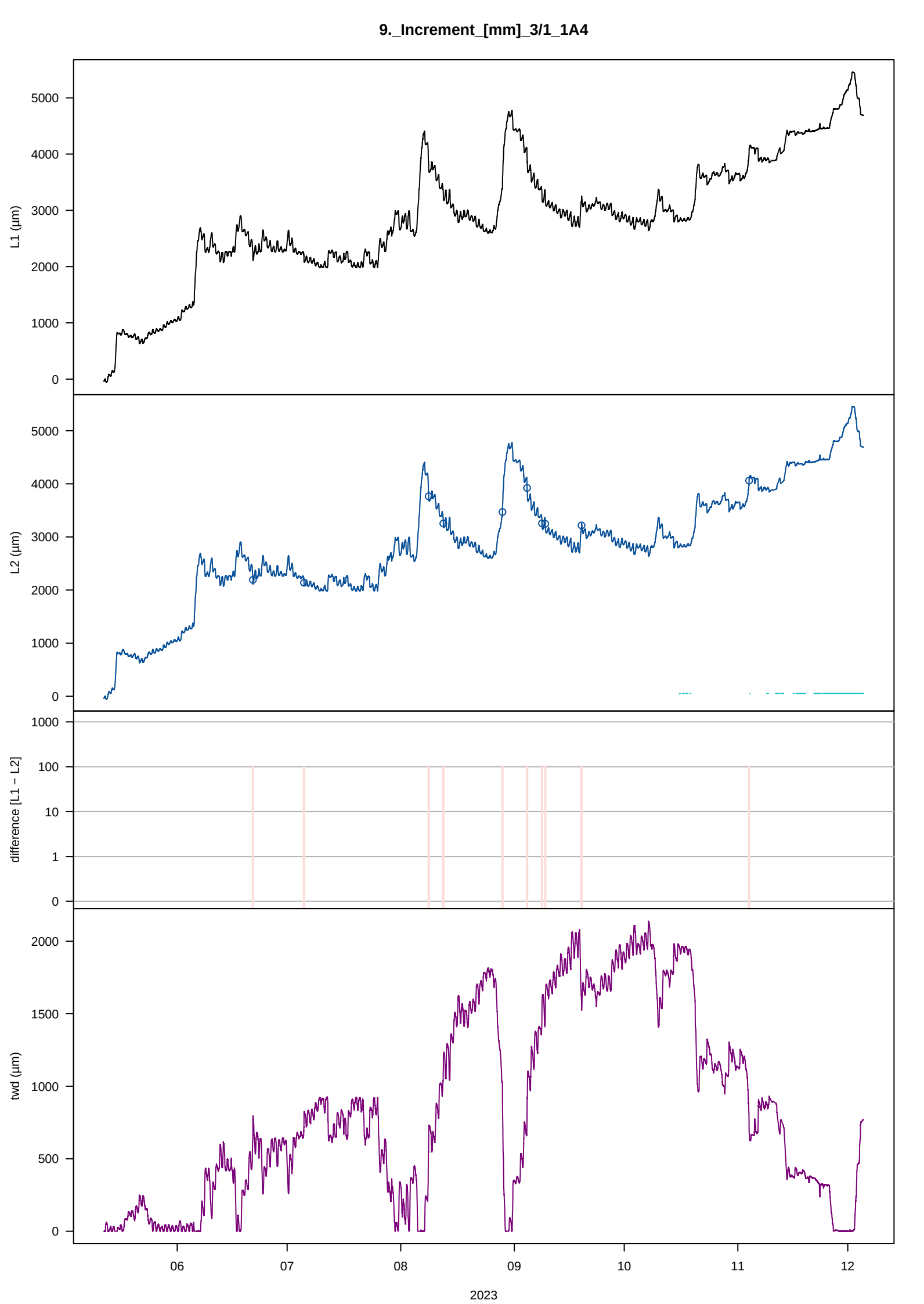


input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

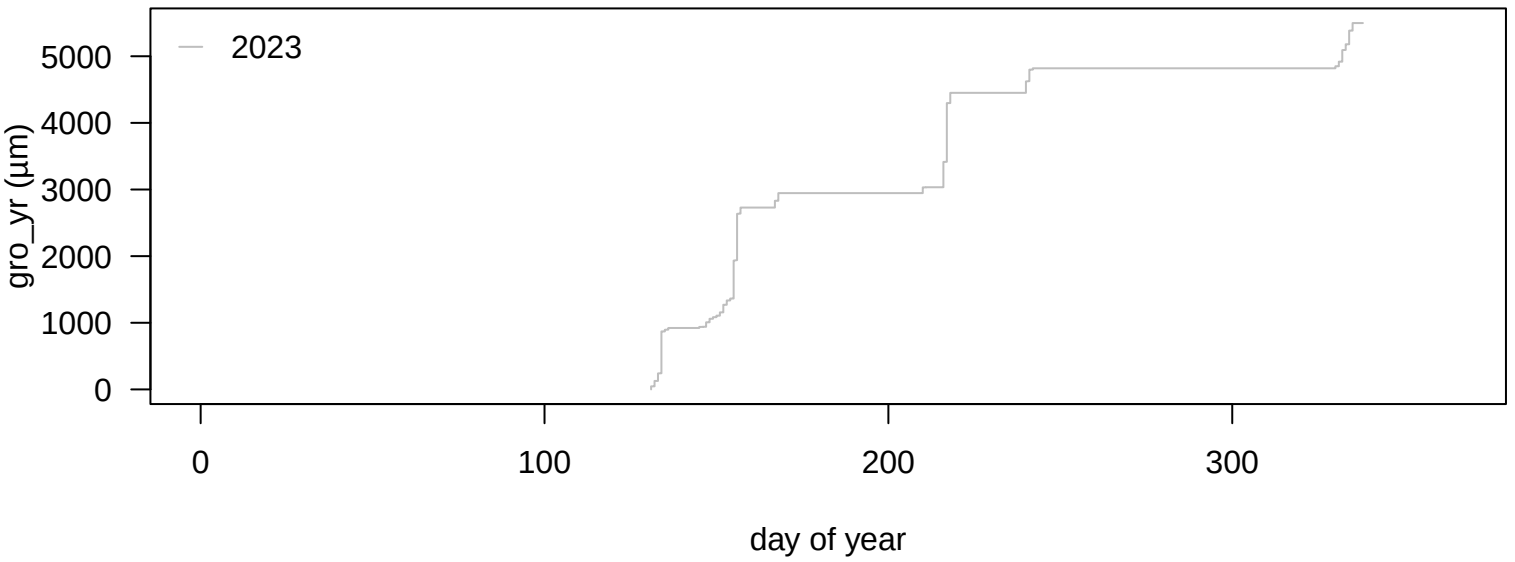
applied thresholds (µm)
tol_jump = −1346.46 / 1352.45
tol_out = −278.89 / 284.89
tol_jump_frost = −6732.3 / 6762.25
tol_out_frost = −1394.45 / 1424.45

changes in data
interpolated: 0.03%
deleted: 0.03%
missing: 0%

growth statistics (µm): median (min / max)
month: 321.5 (40 / 1092)
week: 95 (21 / 982)
day: 81 (11 / 728)
hour: 11 (1 / 82)


9._Increment_[mm]_3/1_1A4
L1 (µm)
5000
4000
3000
2000
1000
0
L2 (µm)
5000
4000
3000
2000
1000
0
difference [L1 – L2]
1000
100
10
1
0
twd (µm)
2000
1500
1000
500
0
06
07
08
09
10
11
12
2023

9._Increment_[mm]_3/1_1A4



input variables
tol_jump = 50
tol_out = 10
frost_thr = 5
lowtemp = 5
interpol = 48
frag_len = 2.1
tz = UTC

applied thresholds (µm)
tol_jump = −1346.46 / 1352.46
tol_out = −278.9 / 284.89
tol_jump_frost = −6732.3 / 6762.3
tol_out_frost = −1394.5 / 1424.45

changes in data
interpolated: 0.03%
deleted: 0.03%
missing: 0%

growth statistics (µm): median (min / max)
month: 734 (88 / 1839)
week: 357 (85 / 1365)
day: 86 (2 / 883)
hour: 11 (1 / 159)