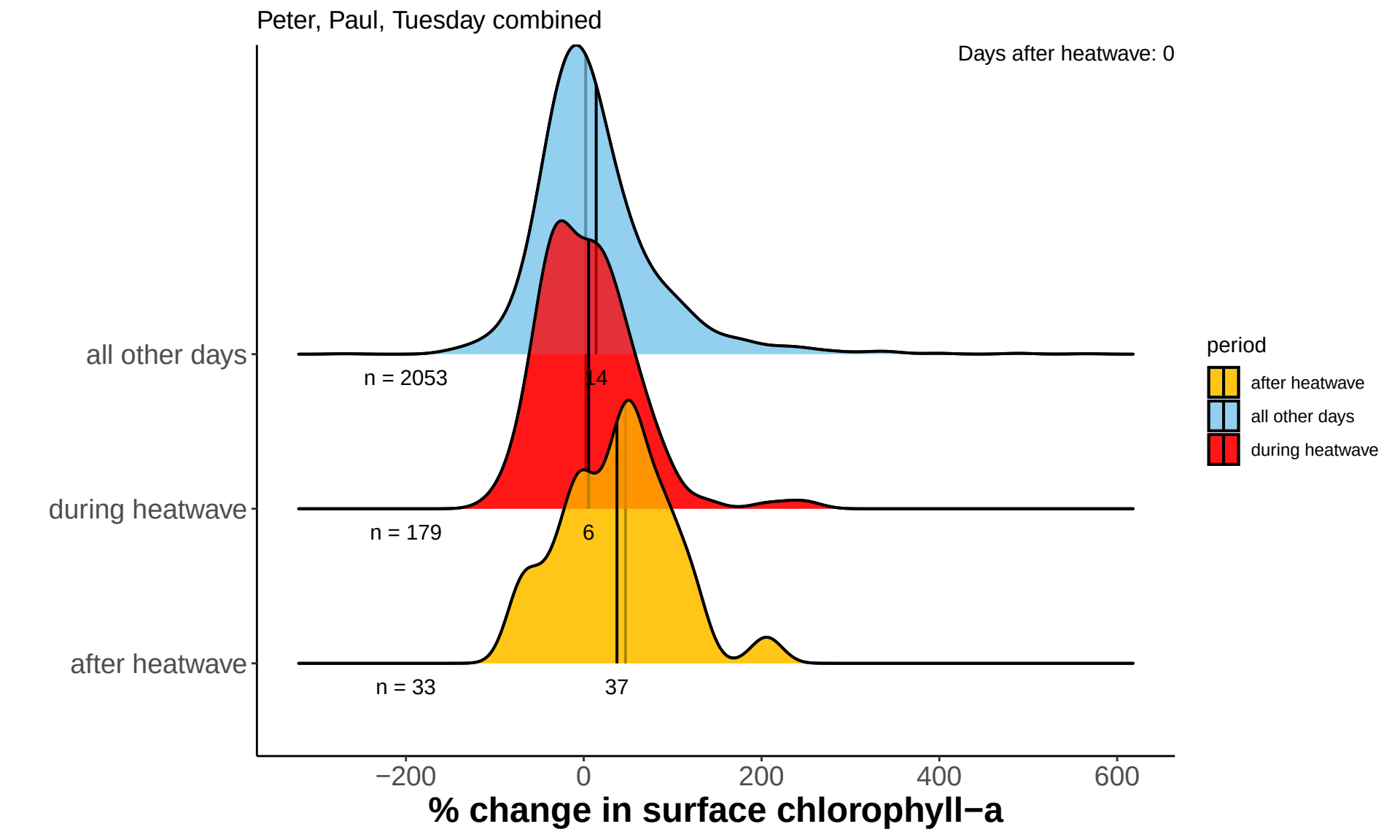
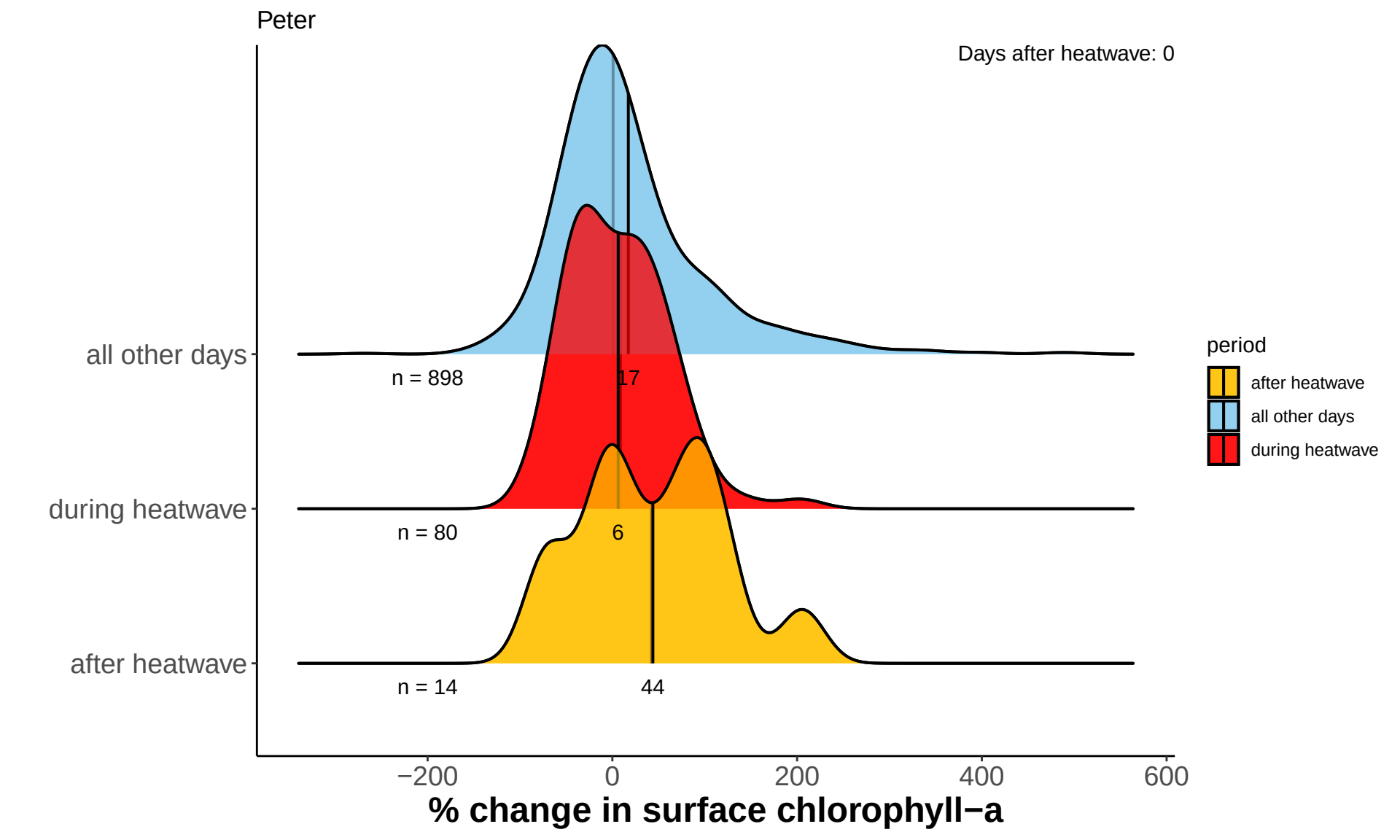
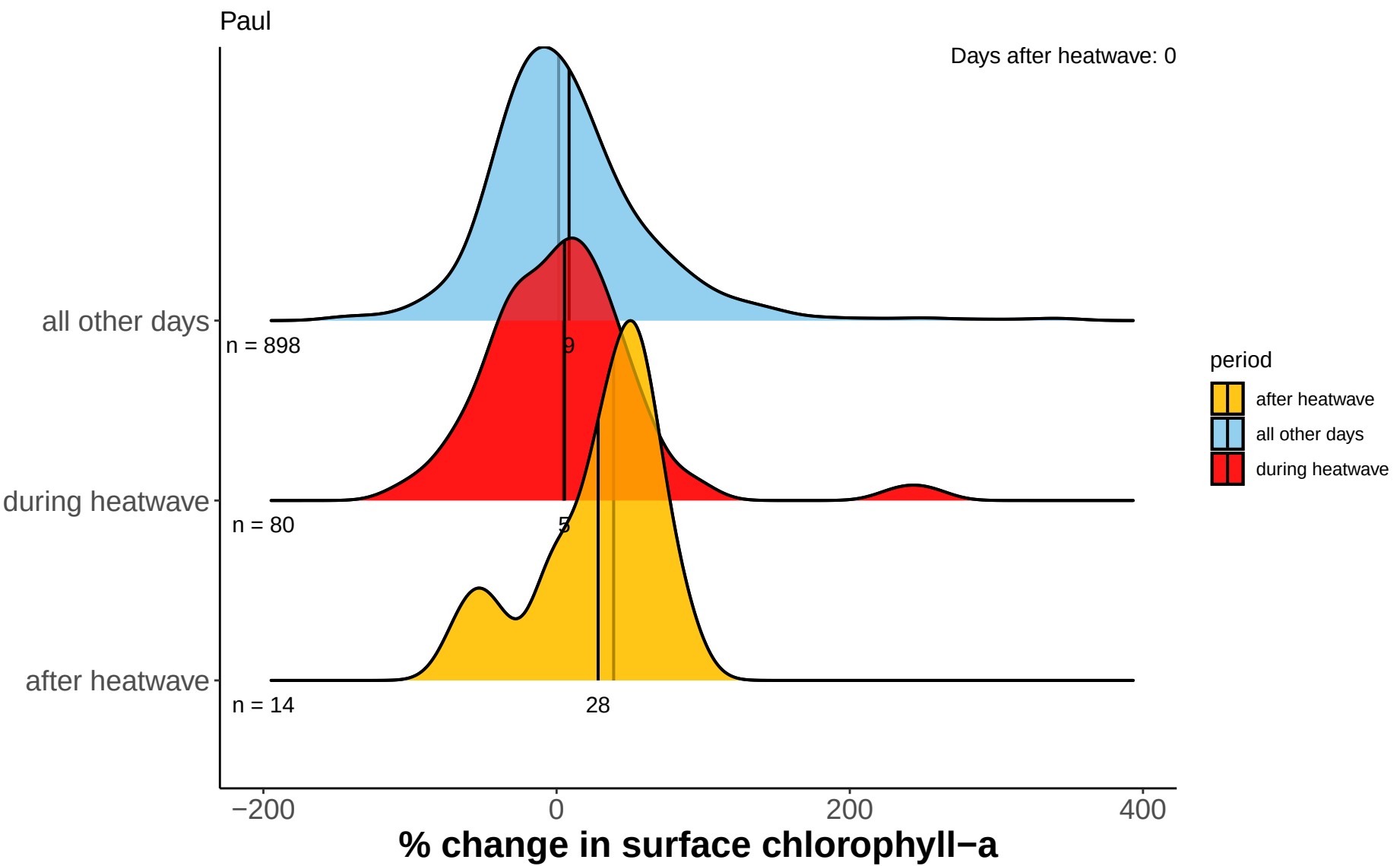
Length of each slope: 7

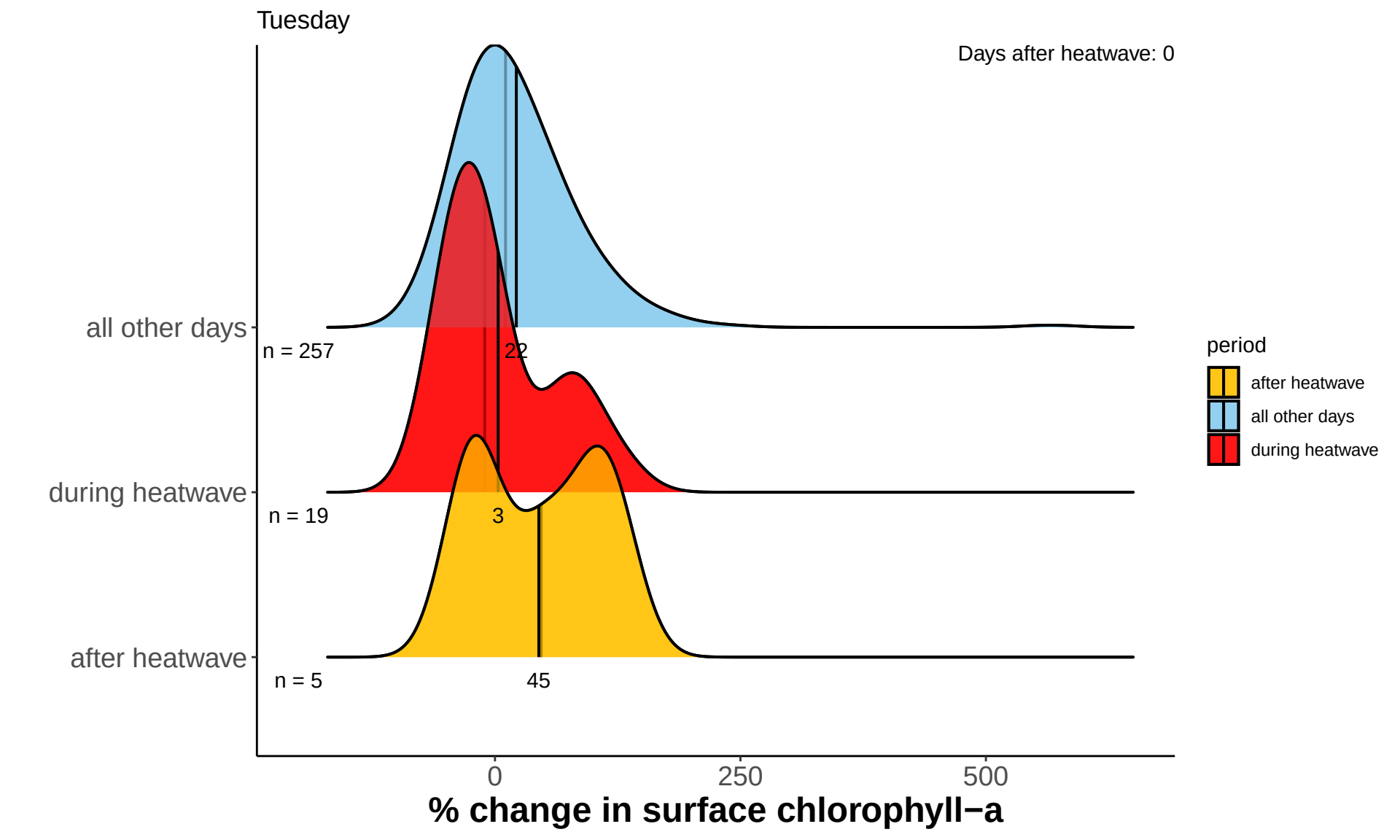
Number of days after heatwave: 0
Number of slopes aggregated per event: 1
Exclude other days after heatwaves? FALSE

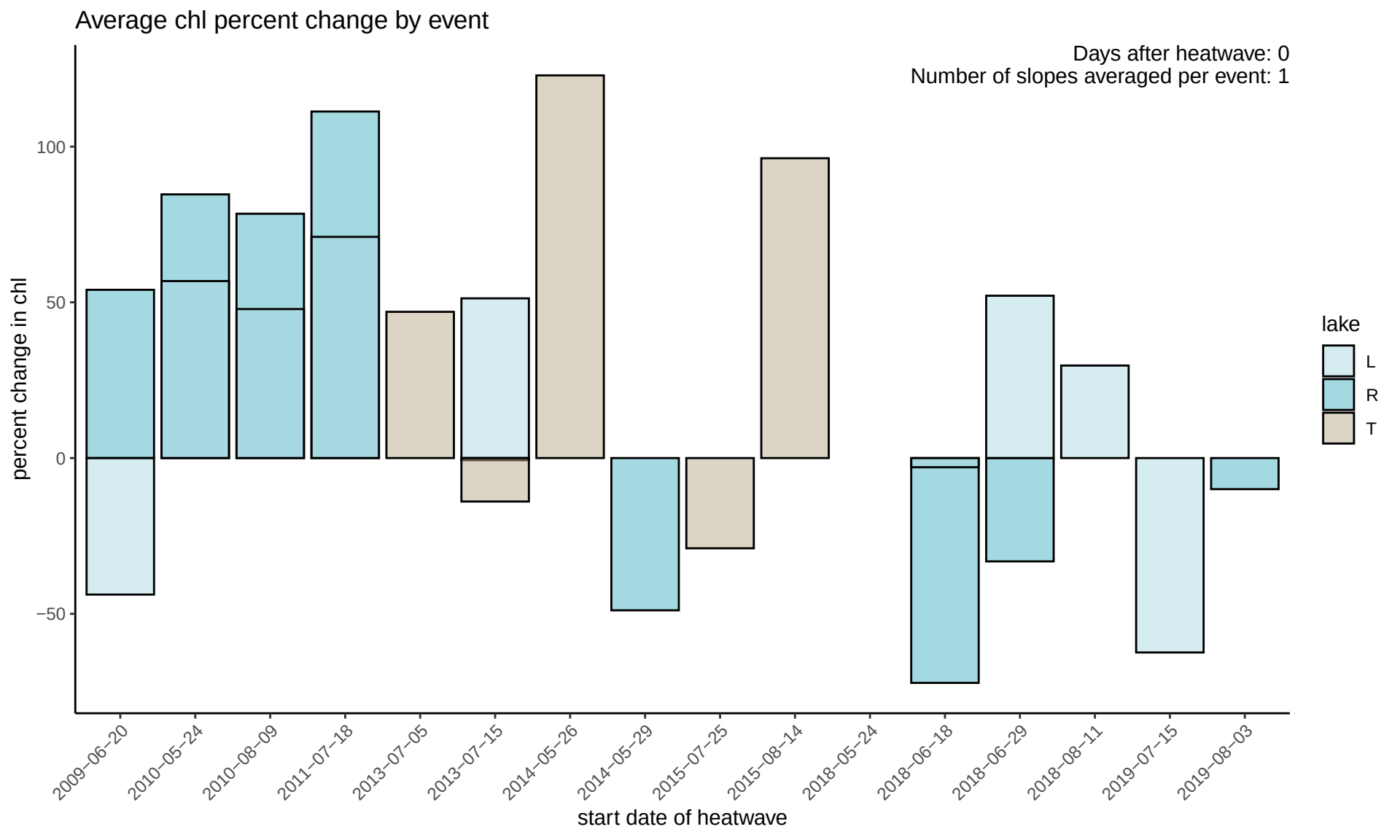
Plots generated 2024−01−31 21:22:14

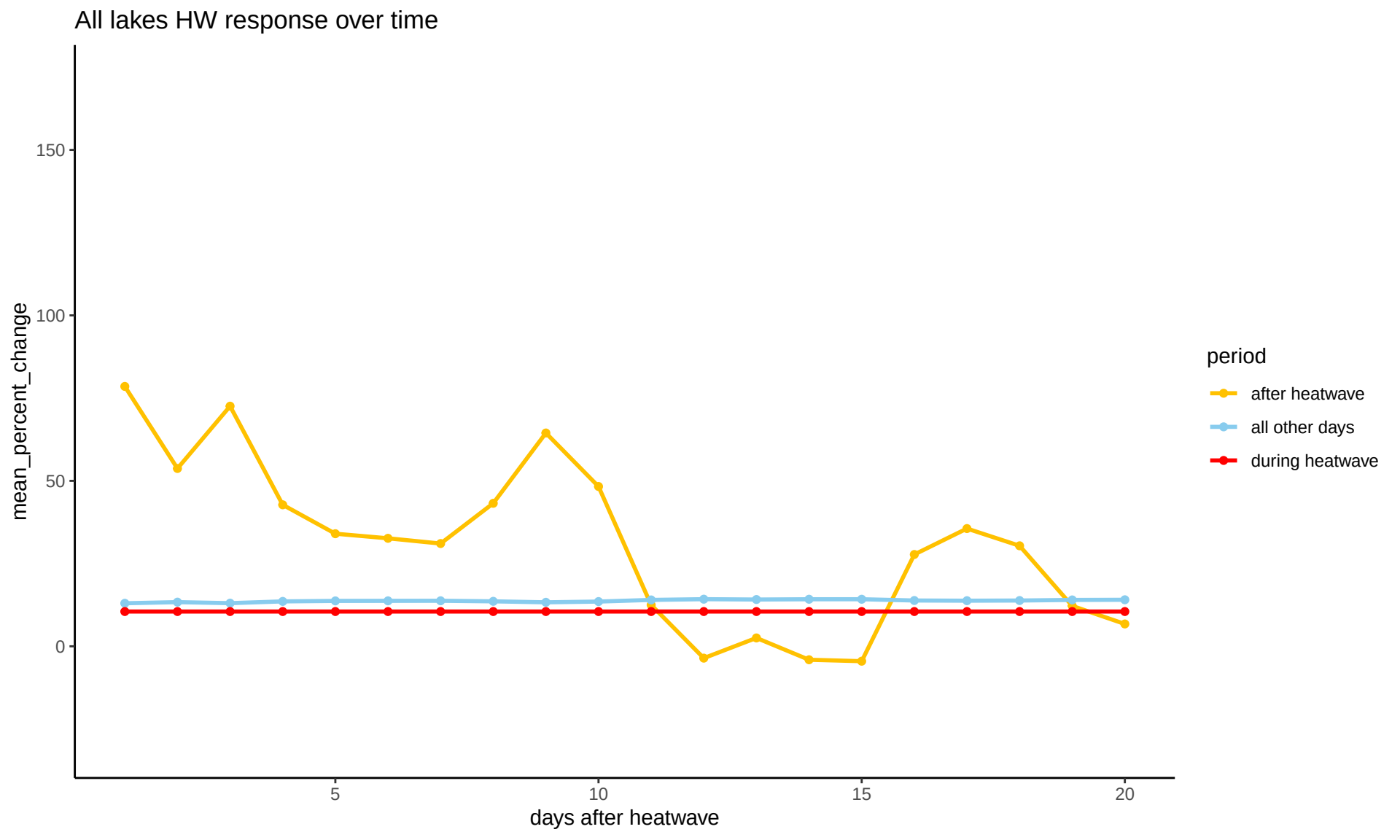

Peter, Paul, Tuesday combined
Days after heatwave: 0
all other days
during heatwave
after heatwave
n = 2053
14
n = 179
6
n = 33
37
−200
0
200
400
600
% change in surface chlorophyll−a
period
after heatwave
all other days
during heatwave

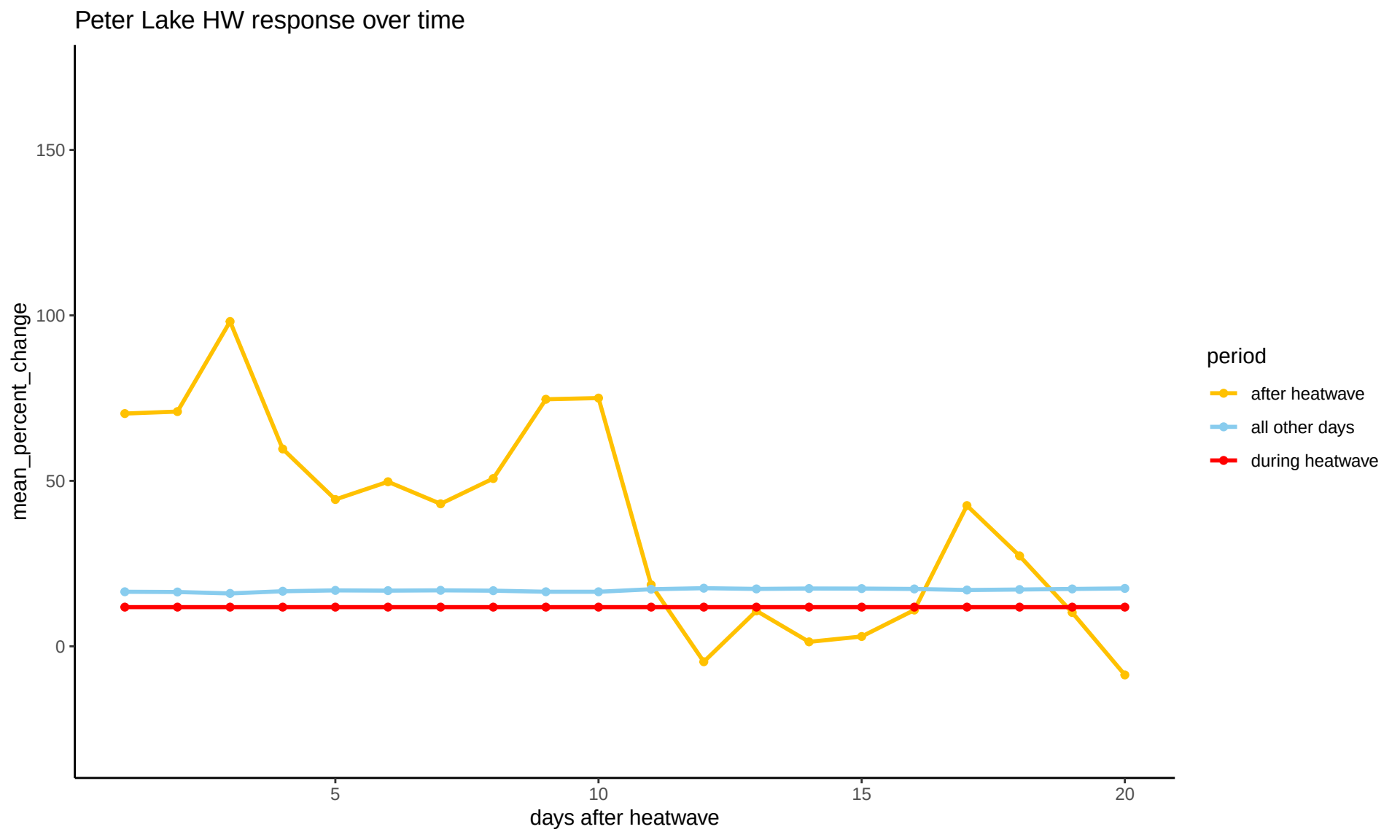

Peter
Days after heatwave: 0
all other days
during heatwave
after heatwave
n = 898
17
n = 80
6
n = 14
44
−200
0
200
400
600
% change in surface chlorophyll−a
period
after heatwave
all other days
during heatwave

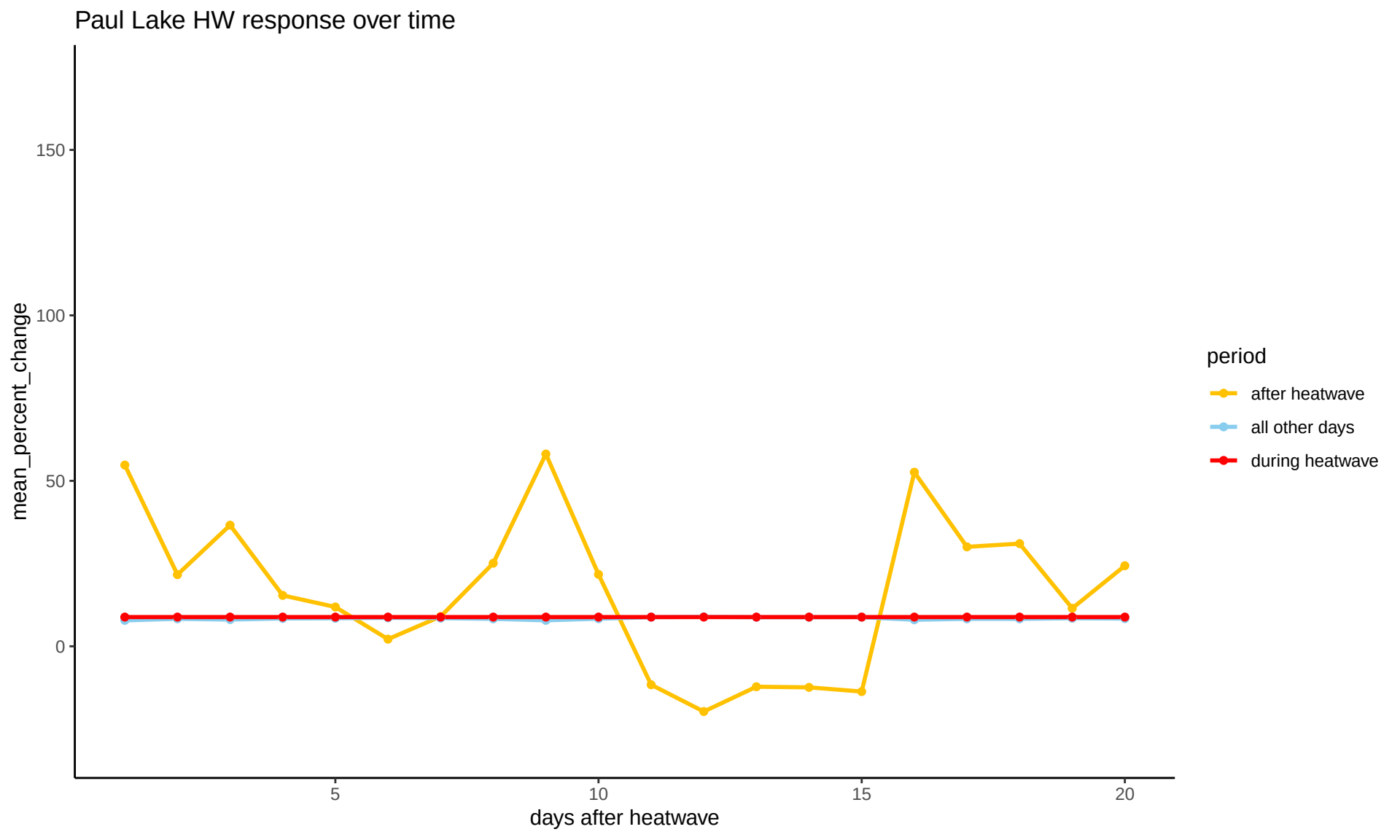

Paul
Days after heatwave: 0
all other days
during heatwave
after heatwave
n = 898
n = 80
n = 14
9
5
28
−200
0
200
400
% change in surface chlorophyll−a
period
after heatwave
all other days
during heatwave

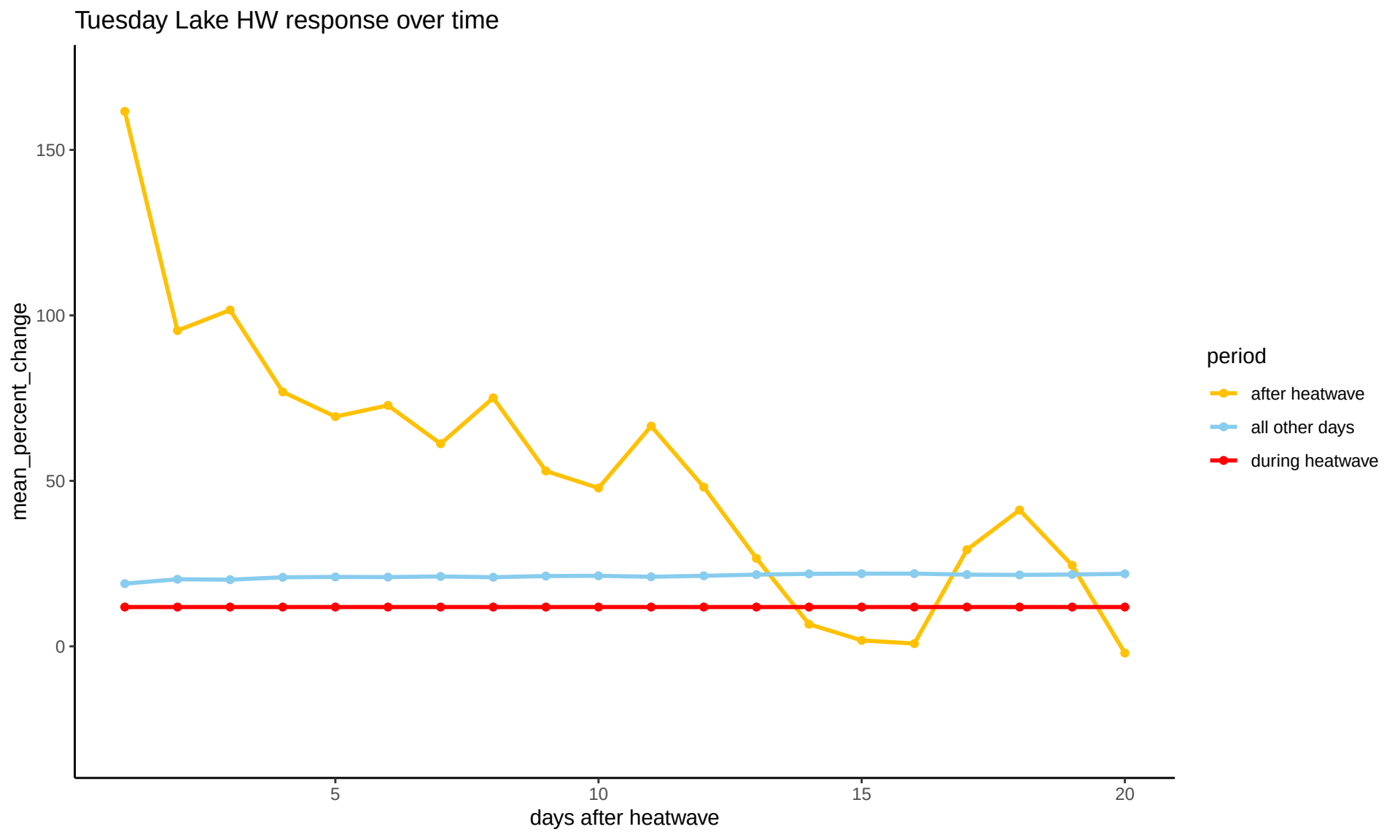

Tuesday
Days after heatwave: 0
all other days
during heatwave
after heatwave
n = 257
22
n = 19
3
n = 5
45
0
250
500
% change in surface chlorophyll−a
period
after heatwave
all other days
during heatwave

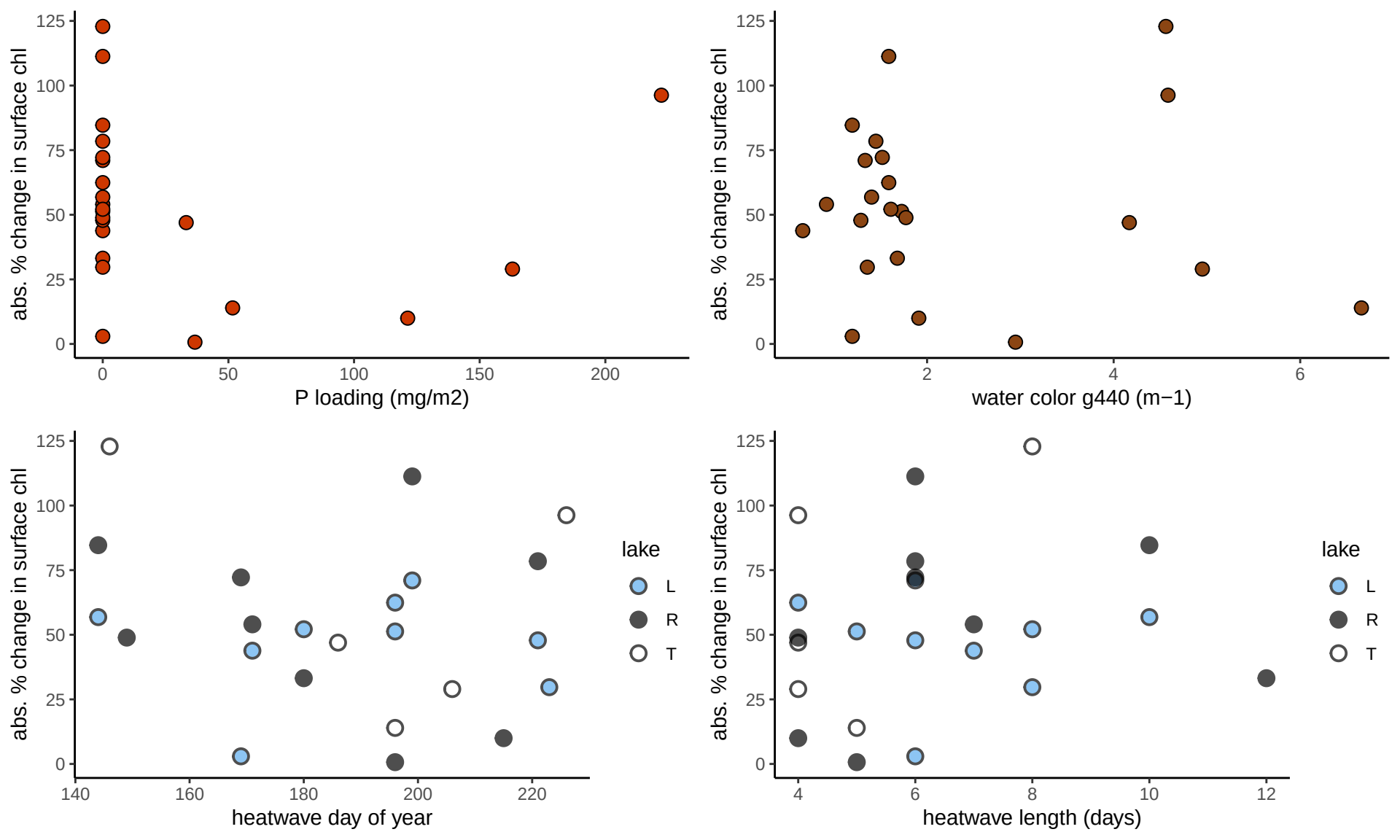

Average chl percent change by event
Days after heatwave: 0
Number of slopes averaged per event: 1
percent change in chl
100
50
0
−50
lake
L
R
T
2009−06−20
2010−05−24
2010−08−09
2011−07−18
2013−07−05
2013−07−15
2014−05−26
2014−05−29
2015−07−25
2015−08−14
2018−05−24
2018−06−18
2018−06−29
2018−08−11
2019−07−15
2019−08−03
start date of heatwave


All lakes HW response over time
mean_percent_change
150
100
50
0
5
10
15
20
days after heatwave
period
after heatwave
all other days
during heatwave


Peter Lake HW response over time
mean_percent_change
150
100
50
0
5
10
15
20
days after heatwave
period
after heatwave
all other days
during heatwave


Paul Lake HW response over time
mean_percent_change
150
100
50
0
5
10
15
20
days after heatwave
period
after heatwave
all other days
during heatwave


Tuesday Lake HW response over time
mean_percent_change
150
100
50
0
5
10
15
20
days after heatwave
period
after heatwave
all other days
during heatwave


abs. % change in surface chl
125
100
75
50
25
0
0
50
100
150
200
P loading (mg/m2)
abs. % change in surface chl
125
100
75
50
25
0
2
4
6
water color g440 (m−1)
abs. % change in surface chl
125
100
75
50
25
0
140
160
180
200
220
heatwave day of year
lake
L
R
T
abs. % change in surface chl
125
100
75
50
25
0
4
6
8
10
12
heatwave length (days)
lake
L
R
T