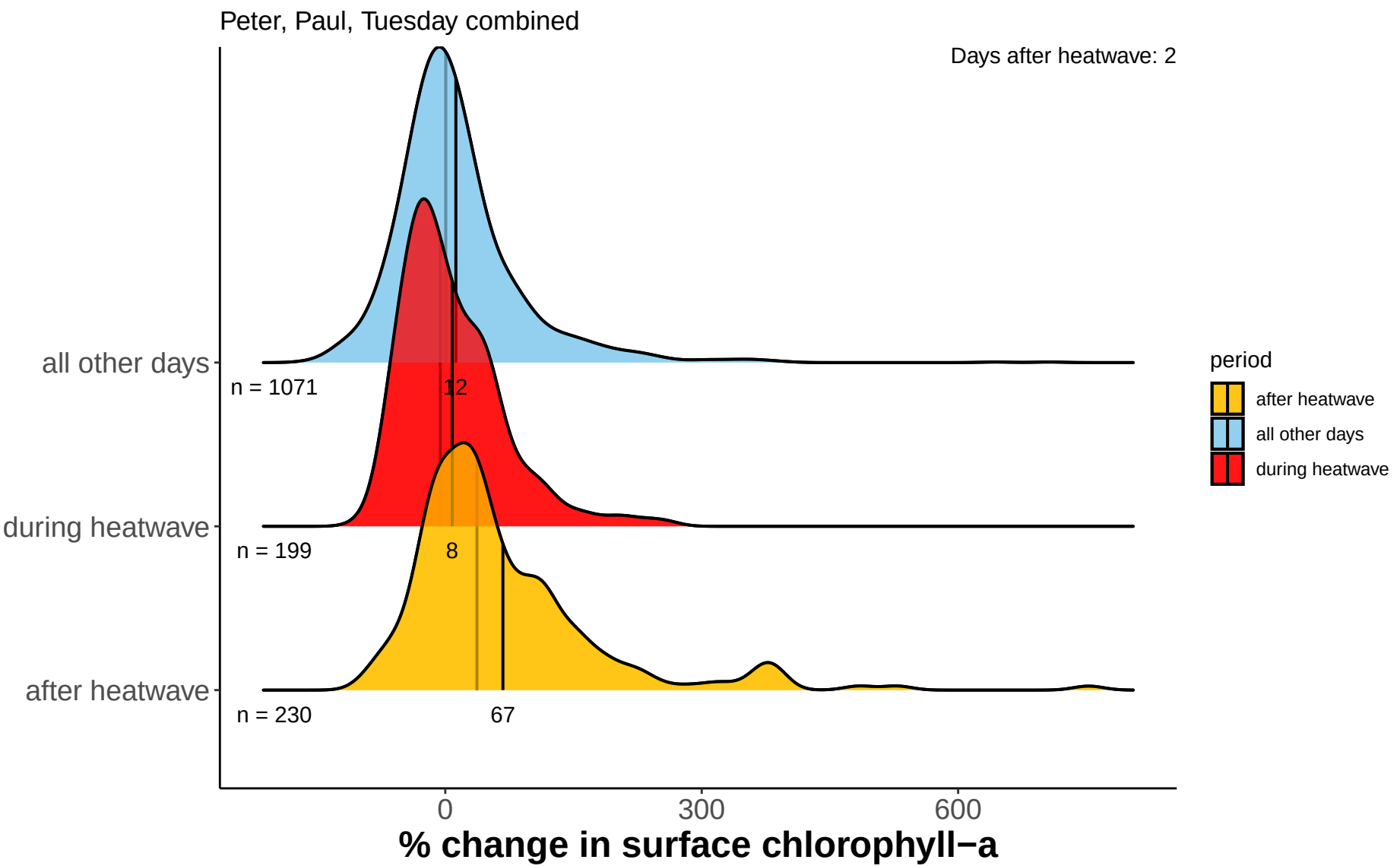
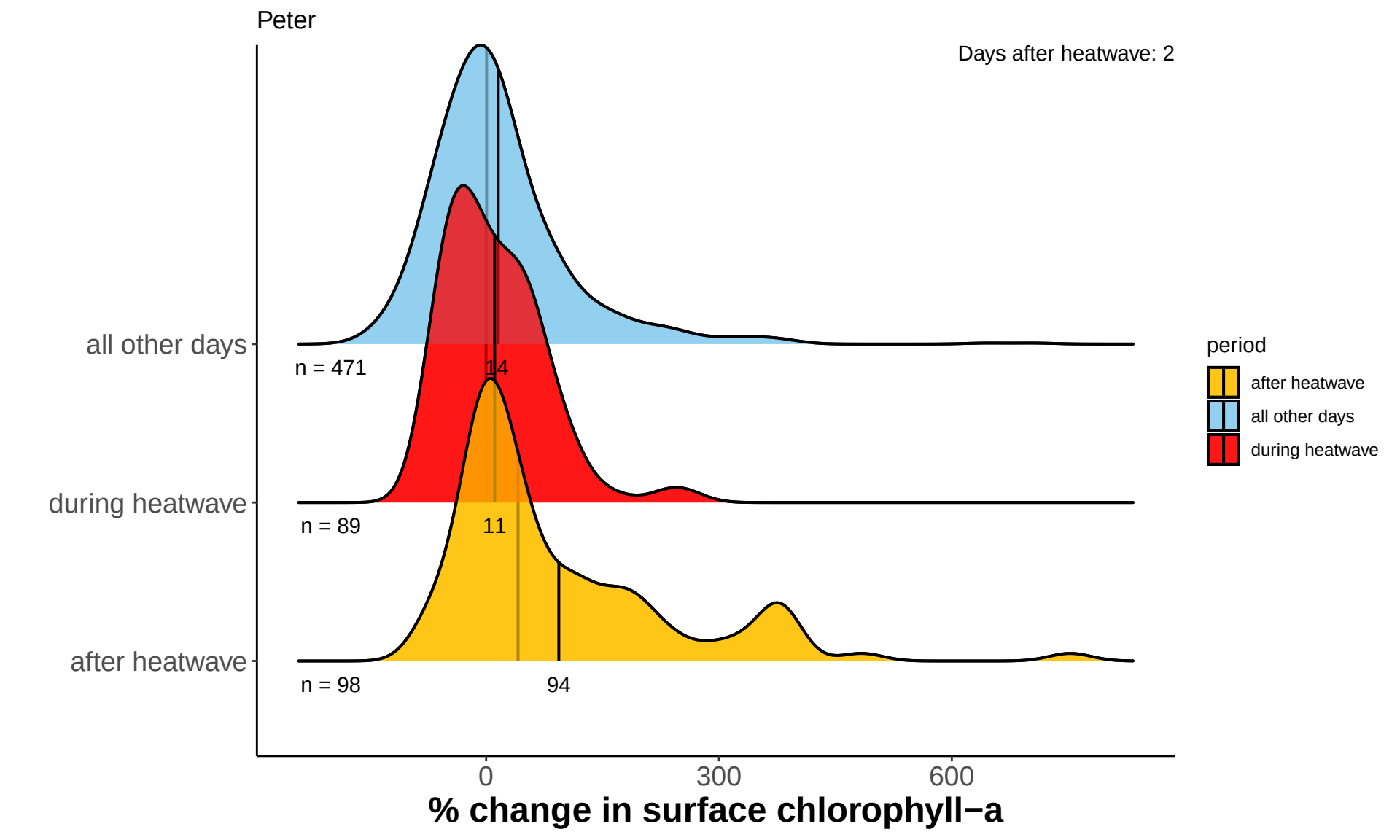
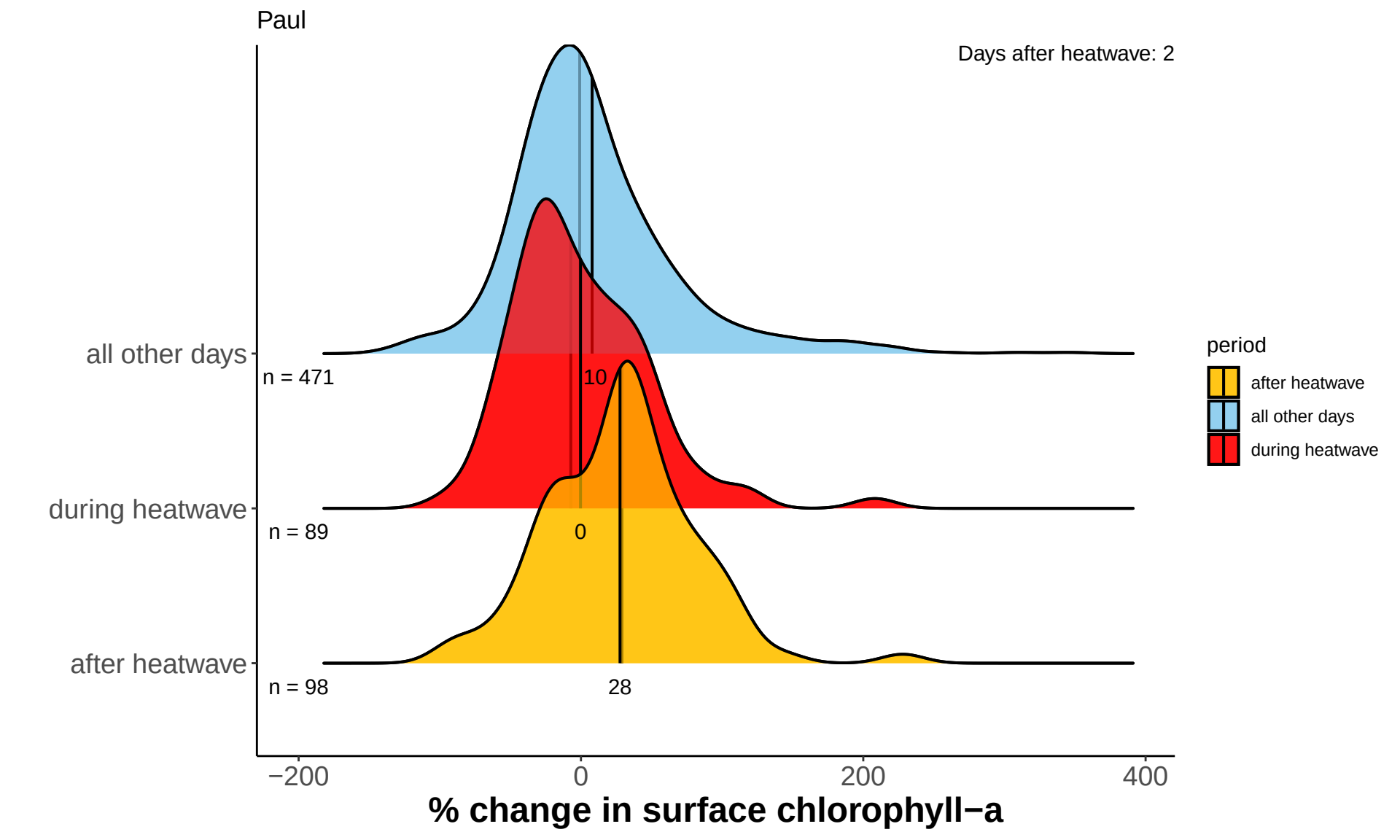
Length of each slope: 10

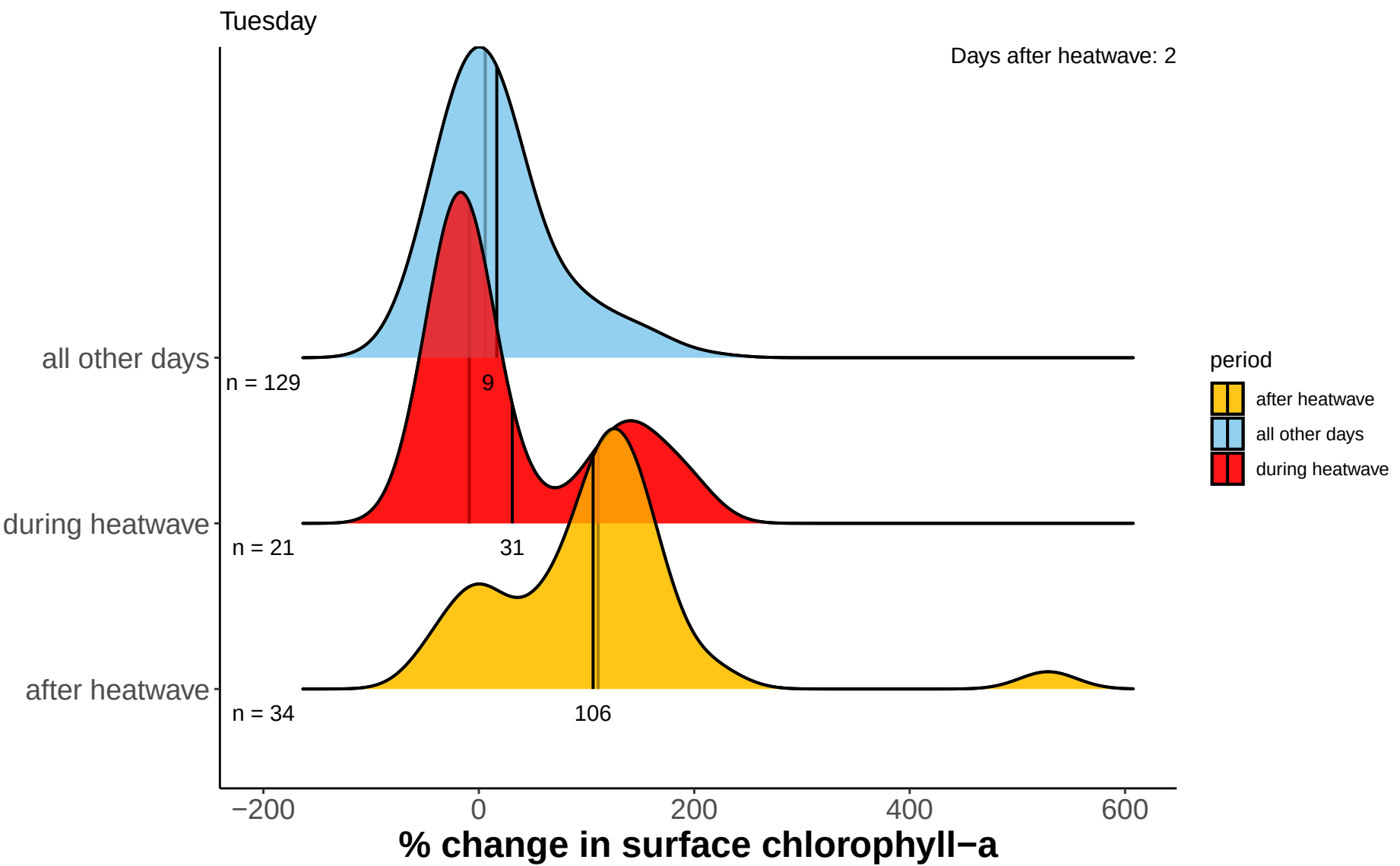
Number of days after heatwave: 2
Number of slopes aggregated per event: 7
Exclude other days after heatwaves? FALSE

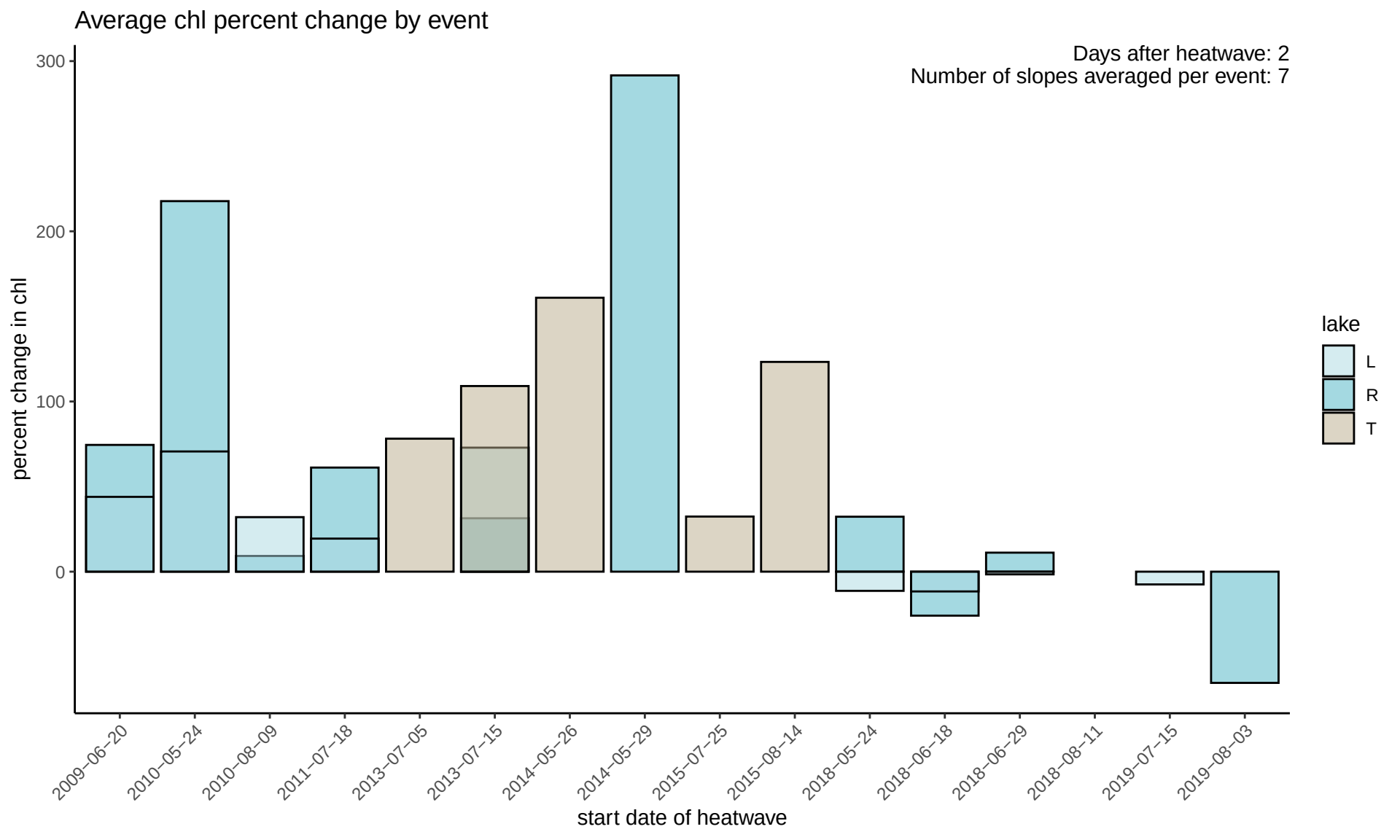
Plots generated 2024−01−28 16:20:27

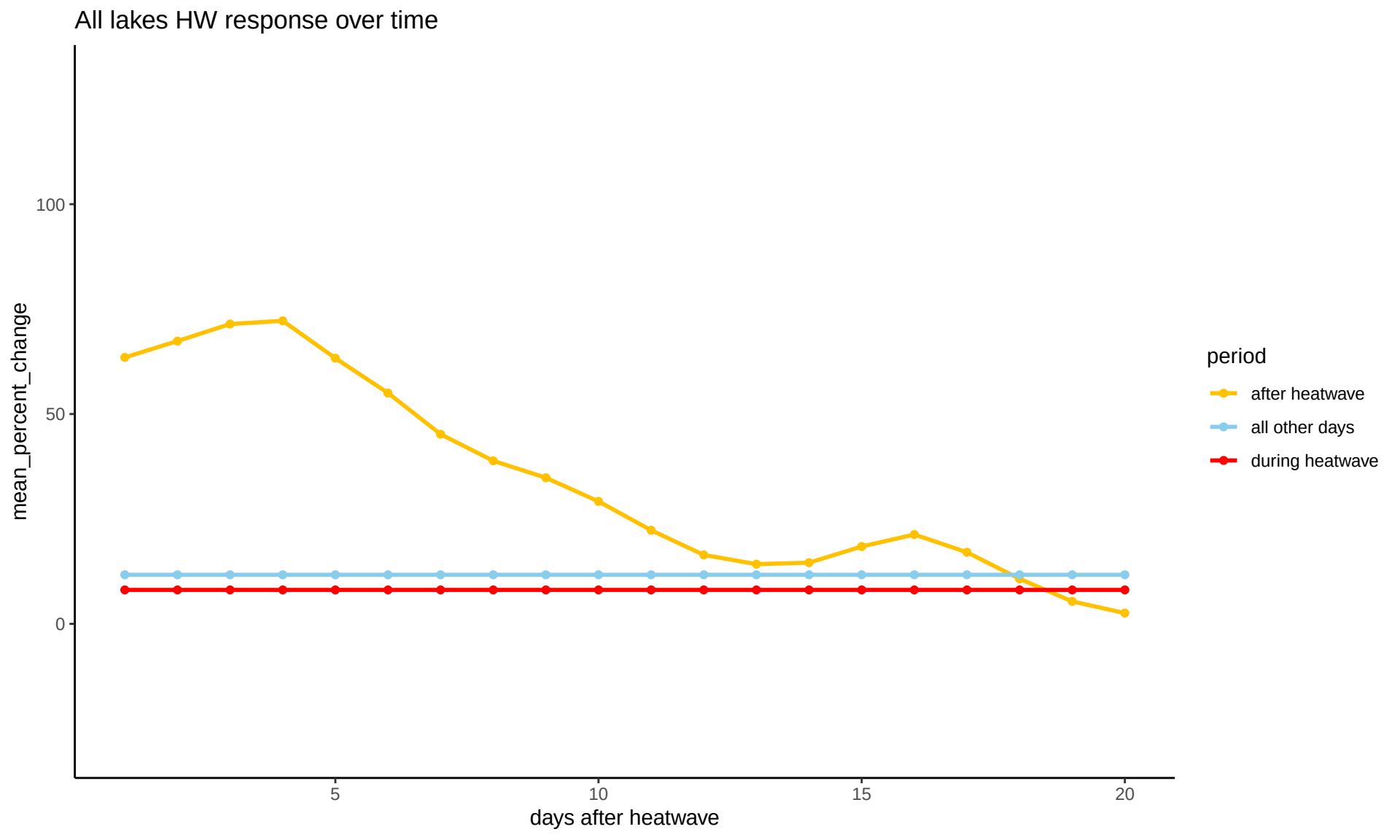

Peter, Paul, Tuesday combined
Days after heatwave: 2
all other days
during heatwave
after heatwave
n = 1071
12
n = 199
8
n = 230
67
0
300
600
% change in surface chlorophyll−a
period
after heatwave
all other days
during heatwave

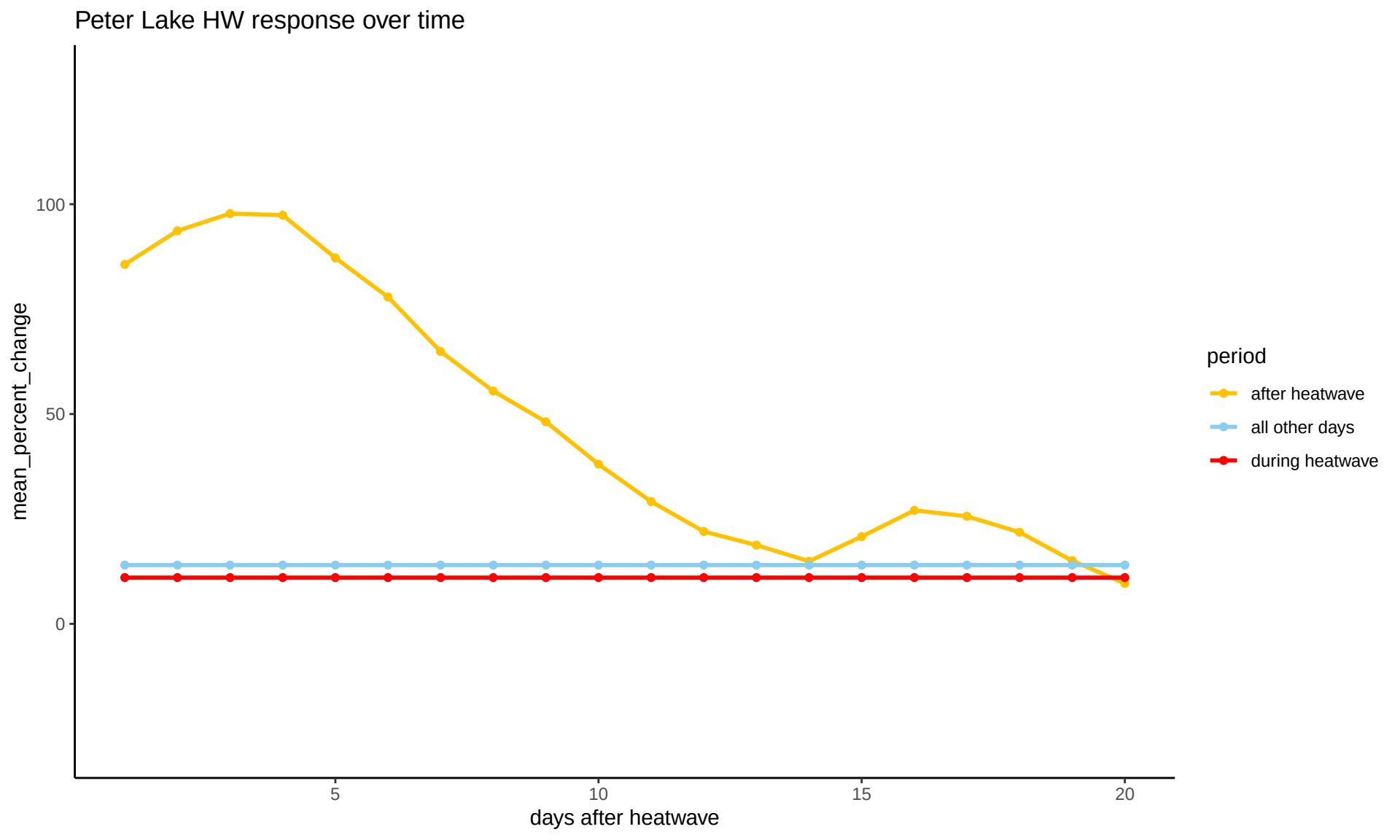

Peter
Days after heatwave: 2
all other days
during heatwave
after heatwave
n = 471
14
n = 89
11
n = 98
94
0
300
600
% change in surface chlorophyll−a
period
after heatwave
all other days
during heatwave

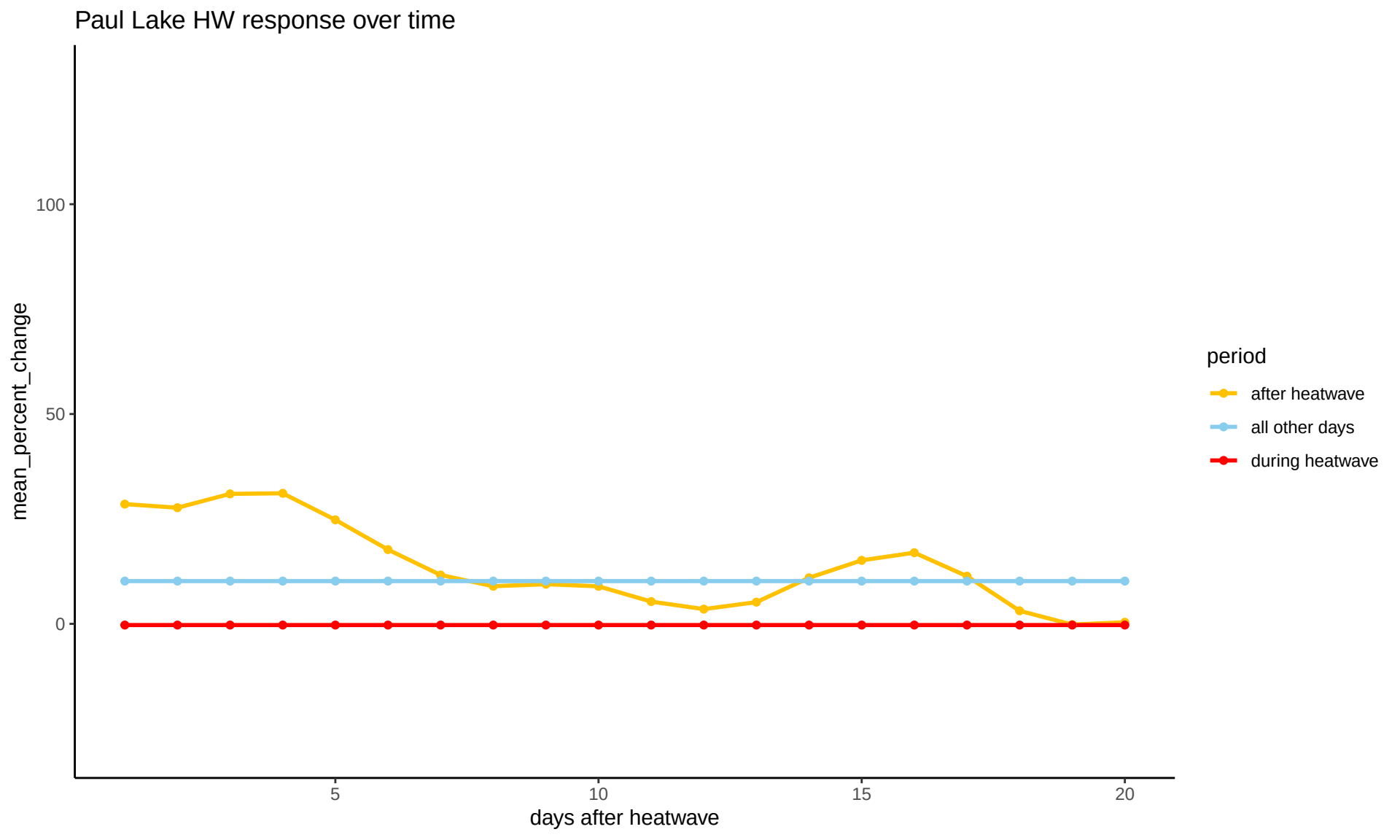

Paul
Days after heatwave: 2
all other days
during heatwave
after heatwave
n = 471
n = 89
n = 98
10
0
28
−200
0
200
400
% change in surface chlorophyll−a
period
after heatwave
all other days
during heatwave

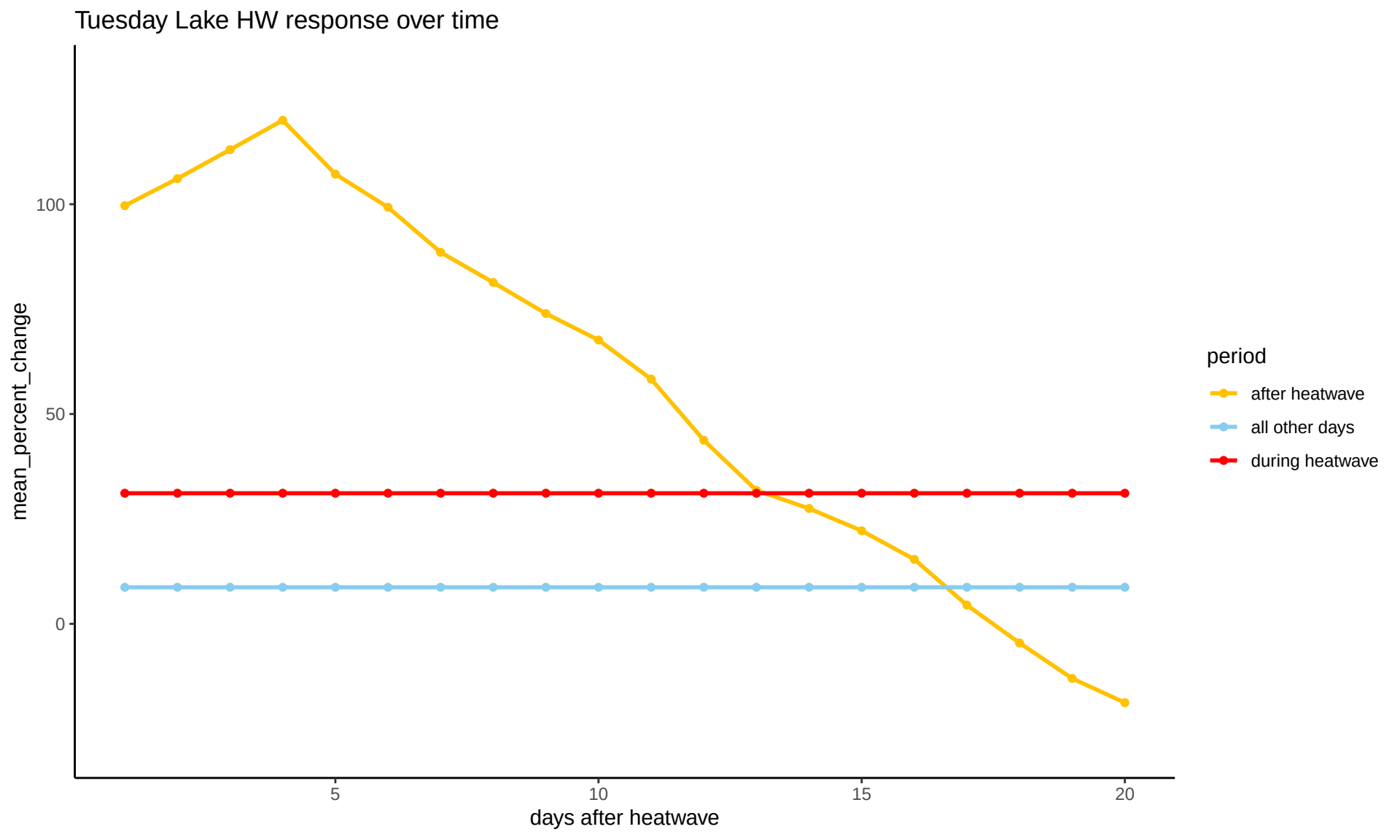

Tuesday
Days after heatwave: 2
all other days
during heatwave
after heatwave
n = 129
n = 21
n = 34
9
31
106
−200
0
200
400
600
% change in surface chlorophyll−a
period
after heatwave
all other days
during heatwave

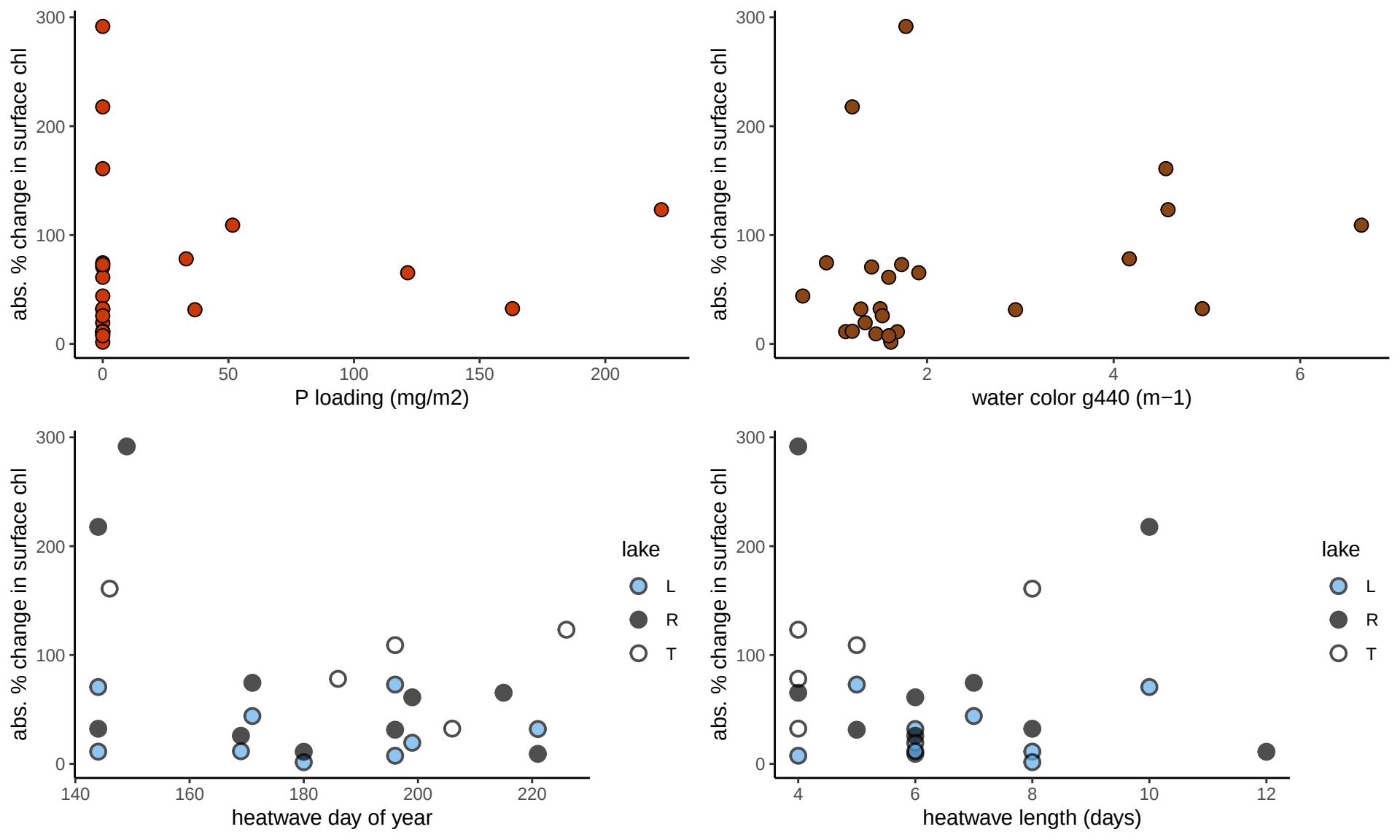

Average chl percent change by event
Days after heatwave: 2
Number of slopes averaged per event: 7
percent change in chl
300
200
100
0
lake
L
R
T
2009−06−20
2010−05−24
2010−08−09
2011−07−18
2013−07−05
2013−07−15
2014−05−26
2014−05−29
2015−07−25
2015−08−14
2018−05−24
2018−06−18
2018−06−29
2018−08−11
2019−07−15
2019−08−03
start date of heatwave


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


abs. % change in surface chl
300
200
100
0
0
50
100
150
200
P loading (mg/m2)
abs. % change in surface chl
300
200
100
0
2
4
6
water color g440 (m−1)
abs. % change in surface chl
300
200
100
0
140
160
180
200
220
heatwave day of year
lake
L
R
T
abs. % change in surface chl
300
200
100
0
4
6
8
10
12
heatwave length (days)
lake
L
R
T