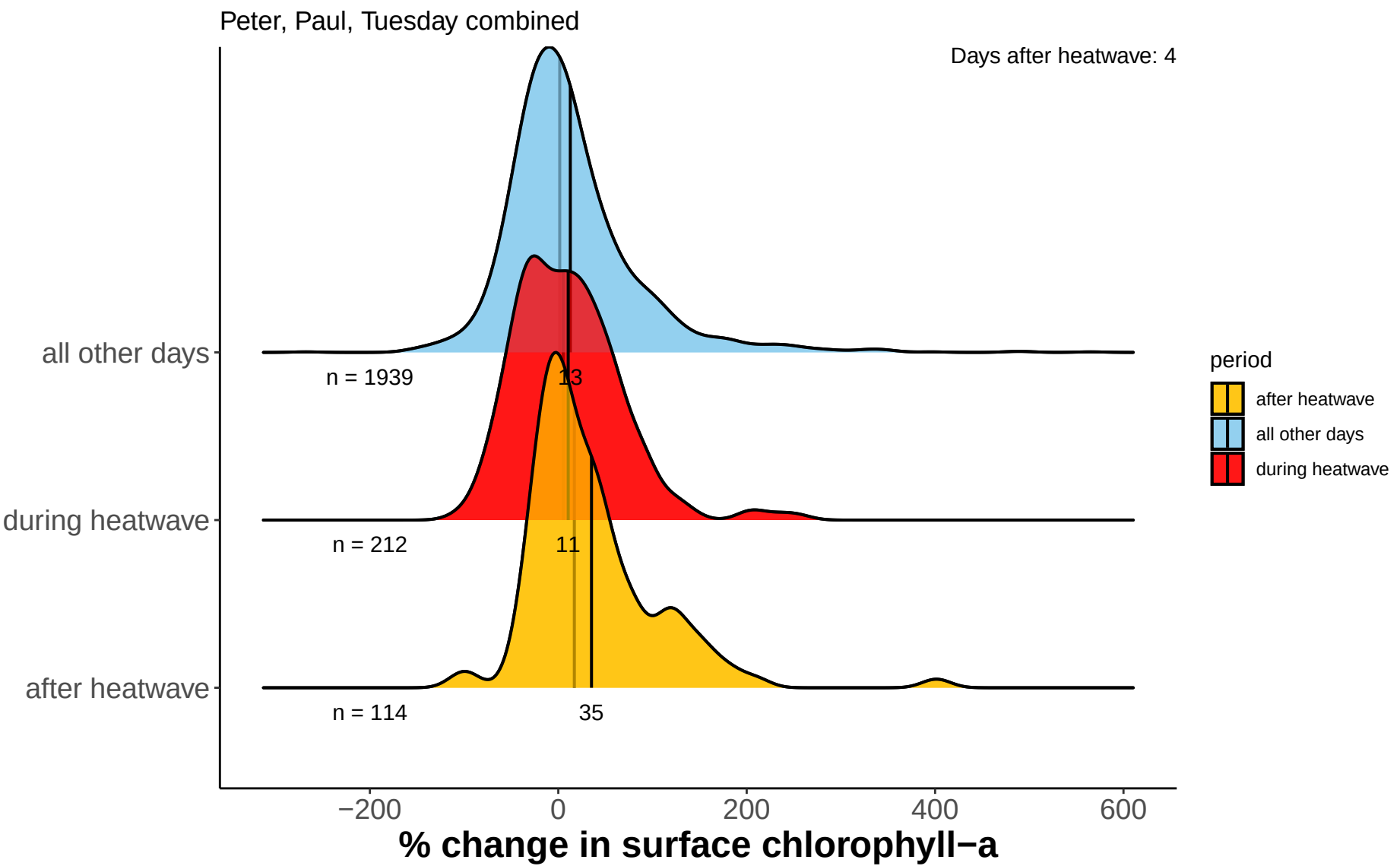
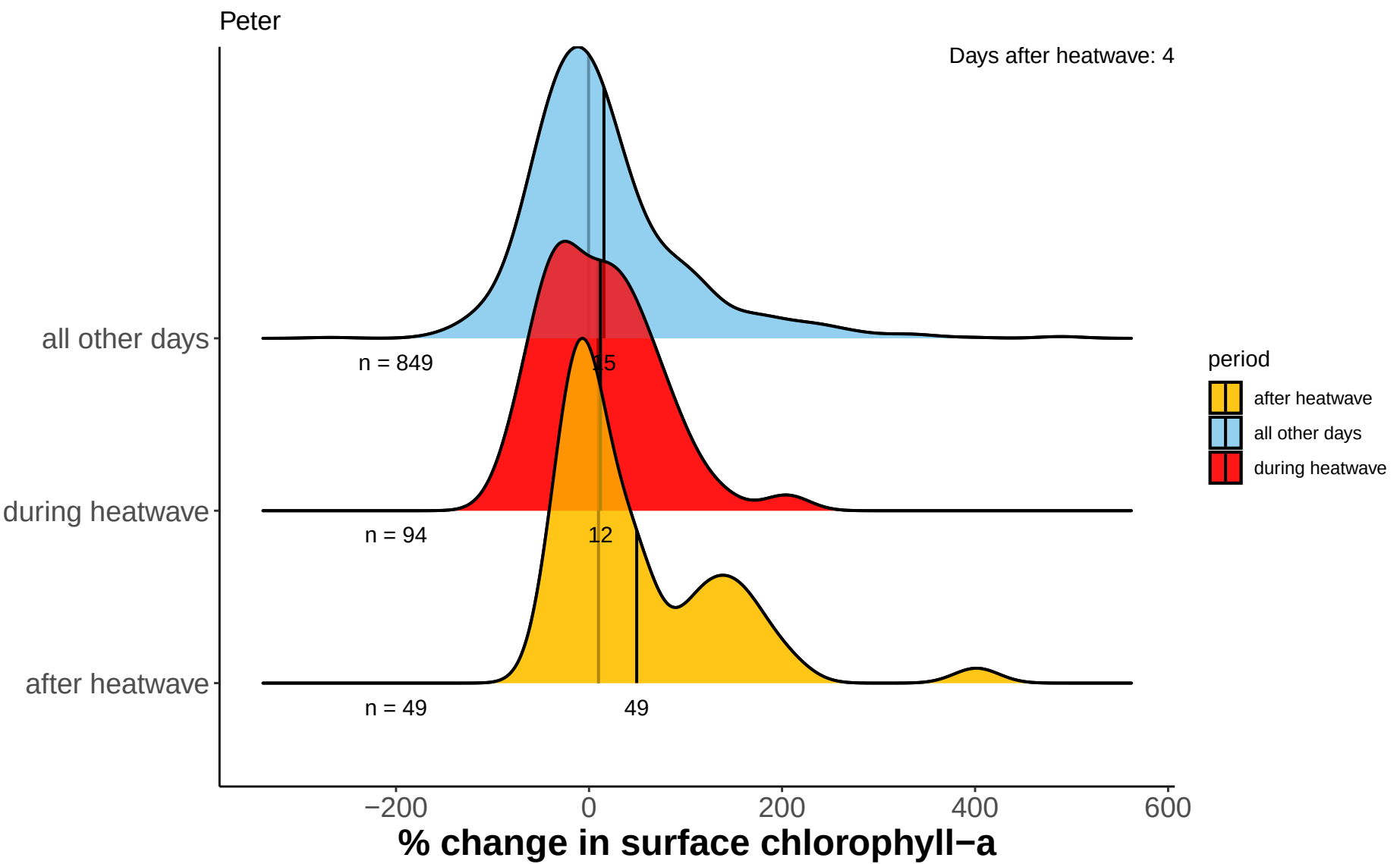
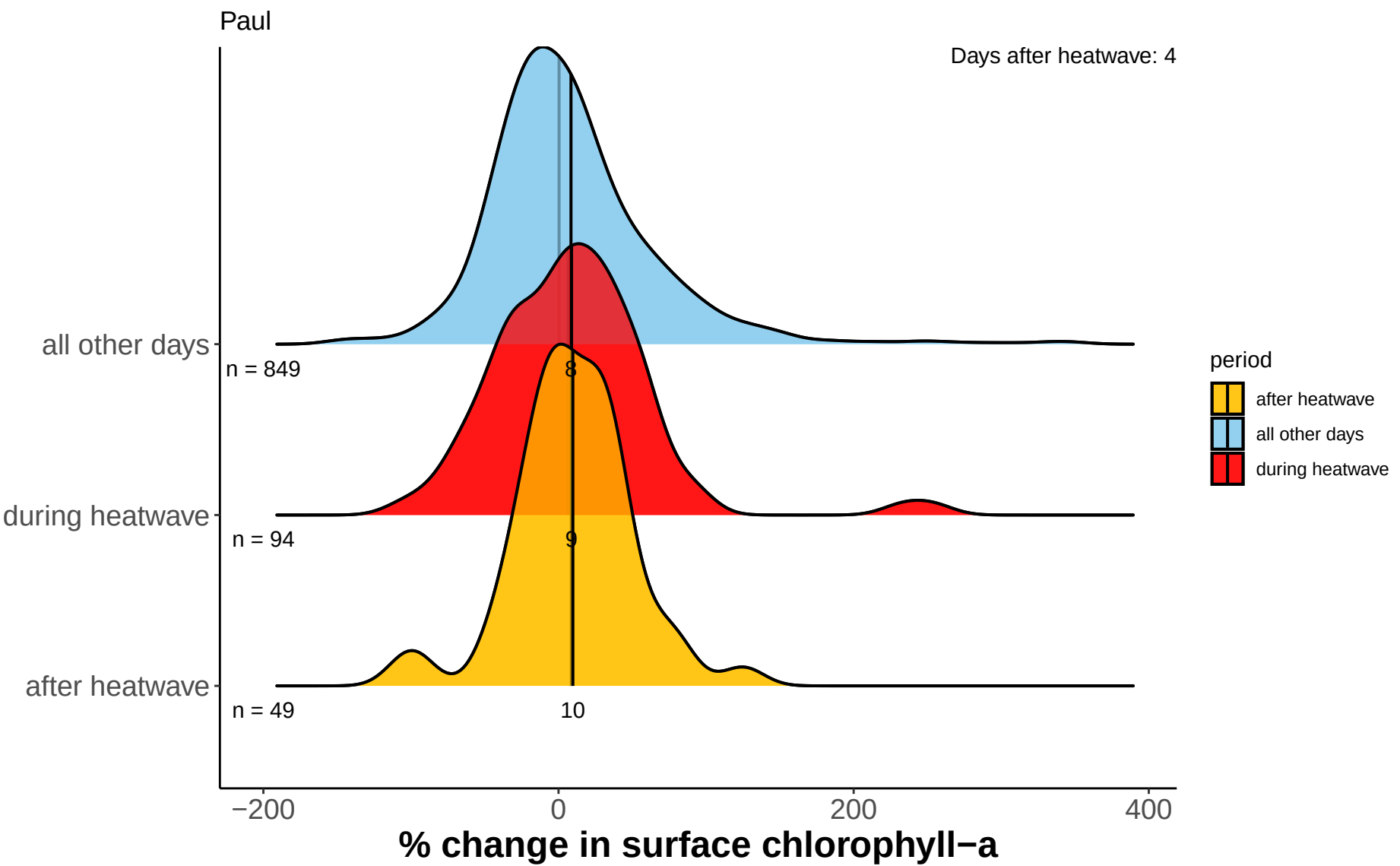
Length of each slope: 7

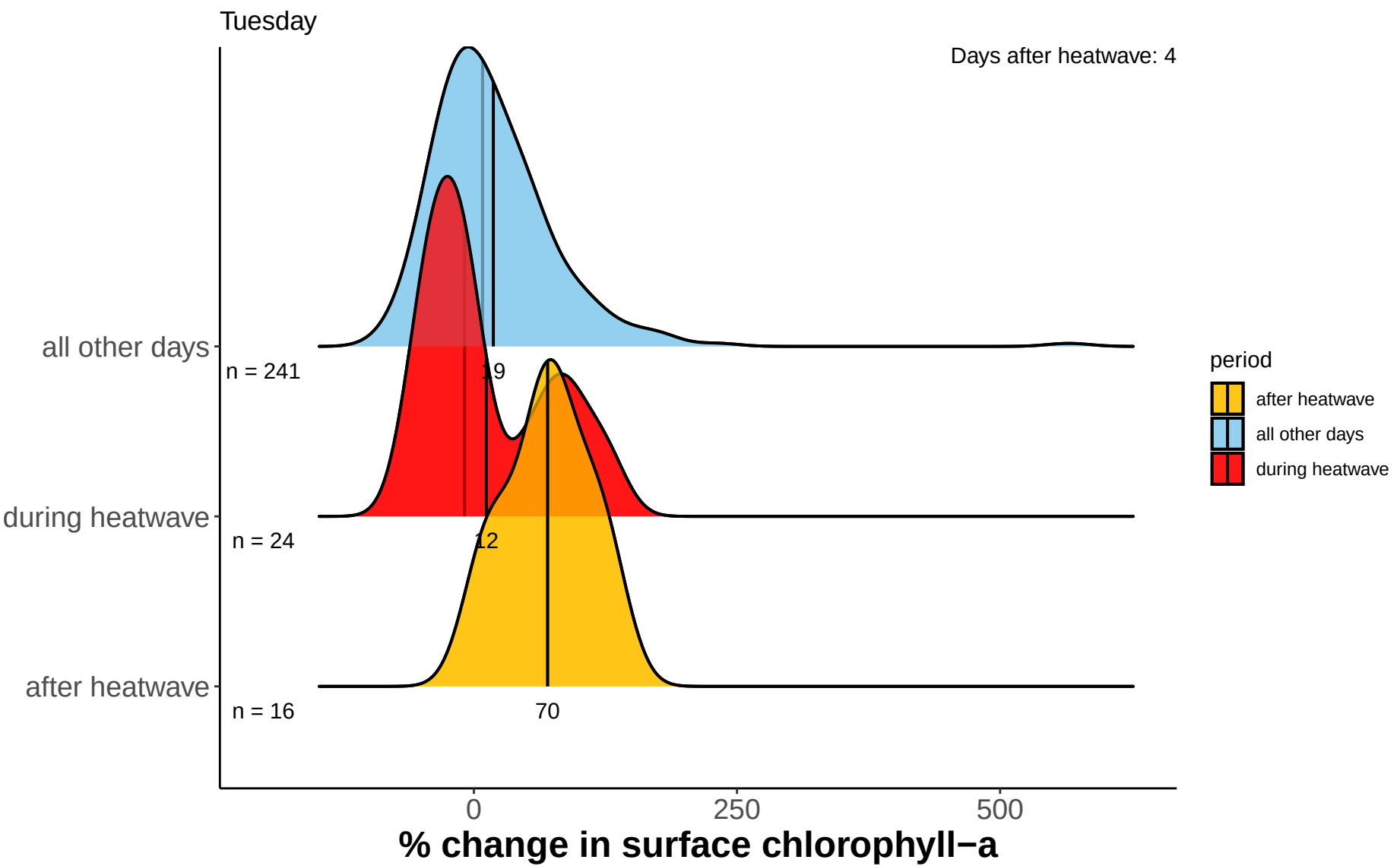
Number of days after heatwave: 4
Number of slopes aggregated per event: 4
Exclude other days after heatwaves? FALSE

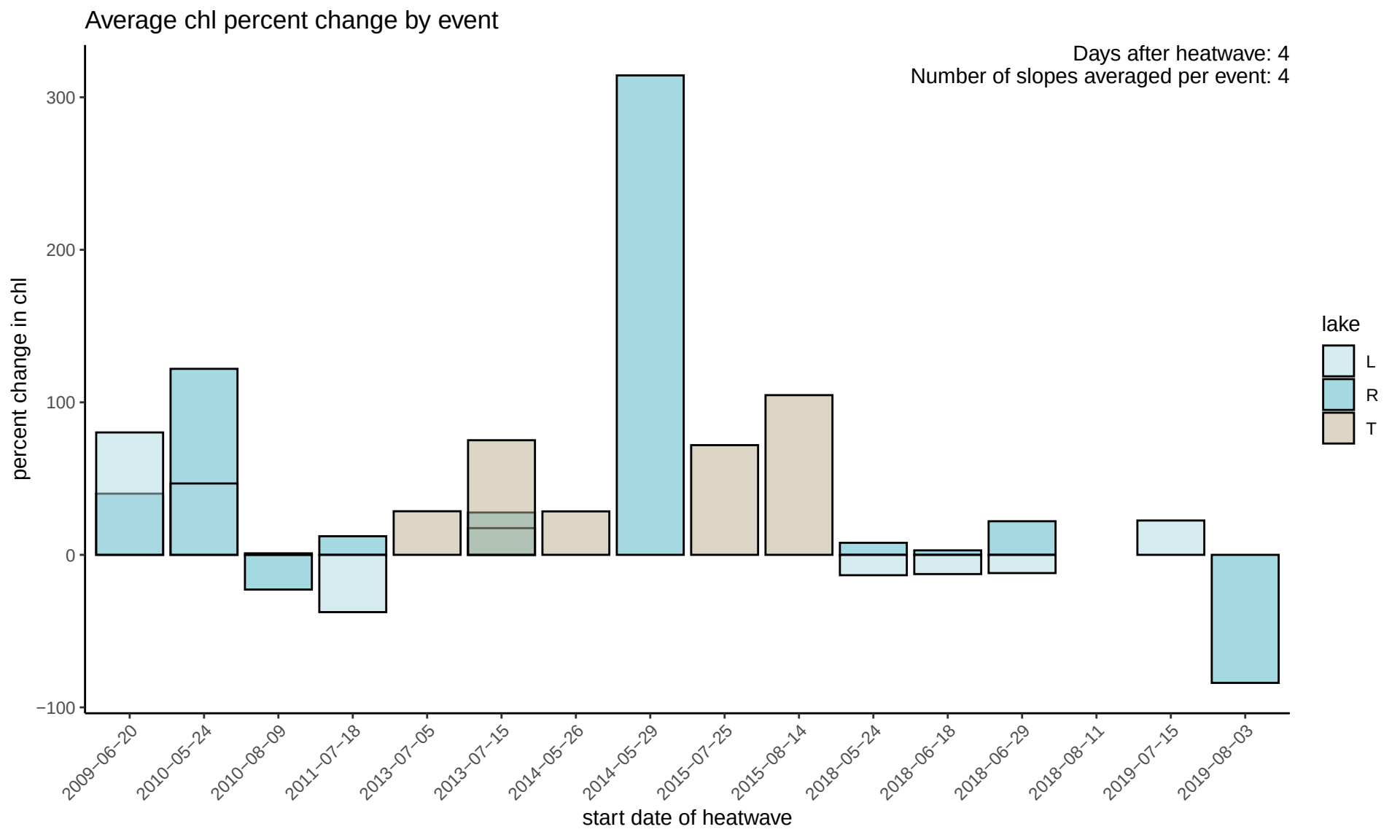
Plots generated 2024−02−01 10:02:18

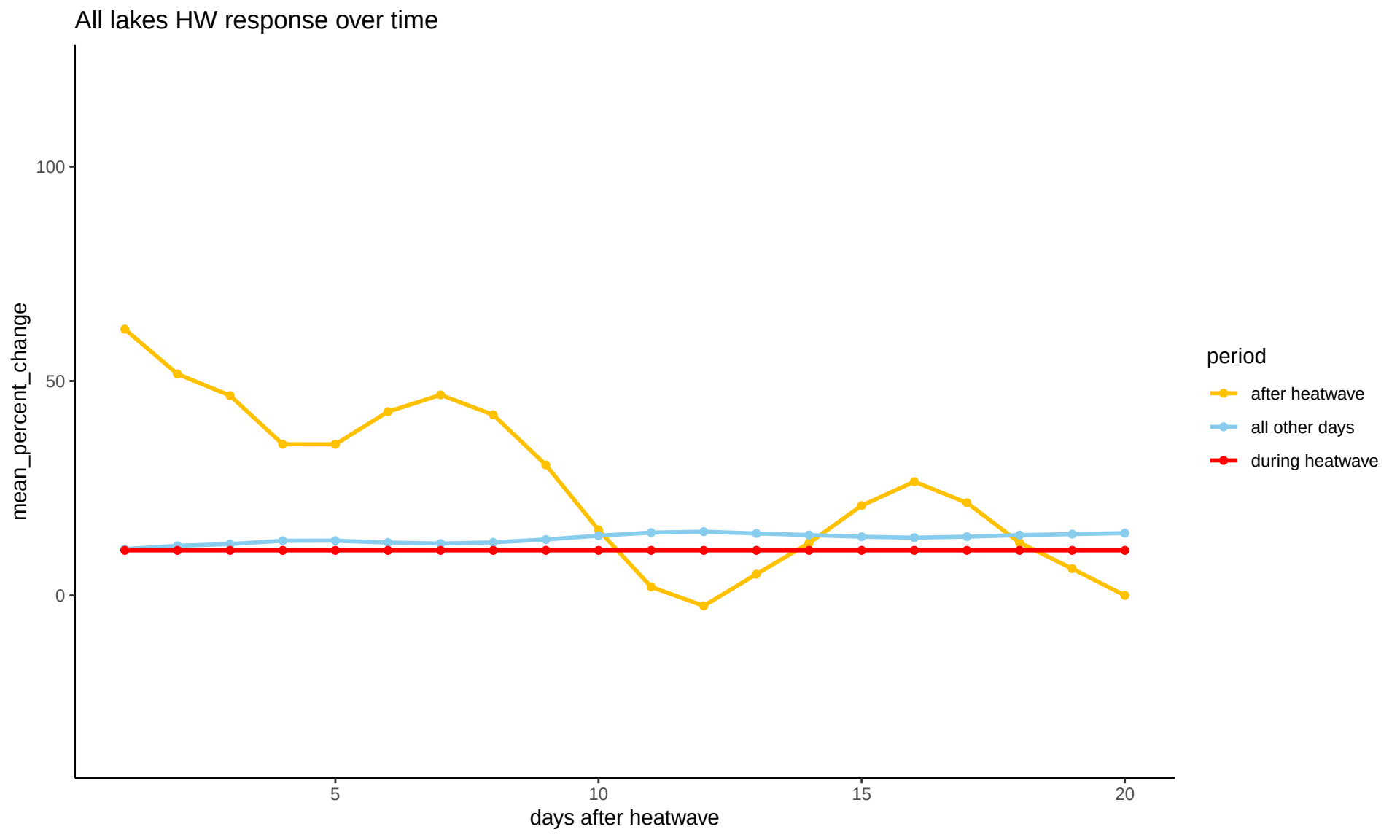

Peter, Paul, Tuesday combined
Days after heatwave: 4
all other days
during heatwave
after heatwave
n = 1939
13
n = 212
11
n = 114
35
−200
0
200
400
600
% change in surface chlorophyll−a
period
after heatwave
all other days
during heatwave

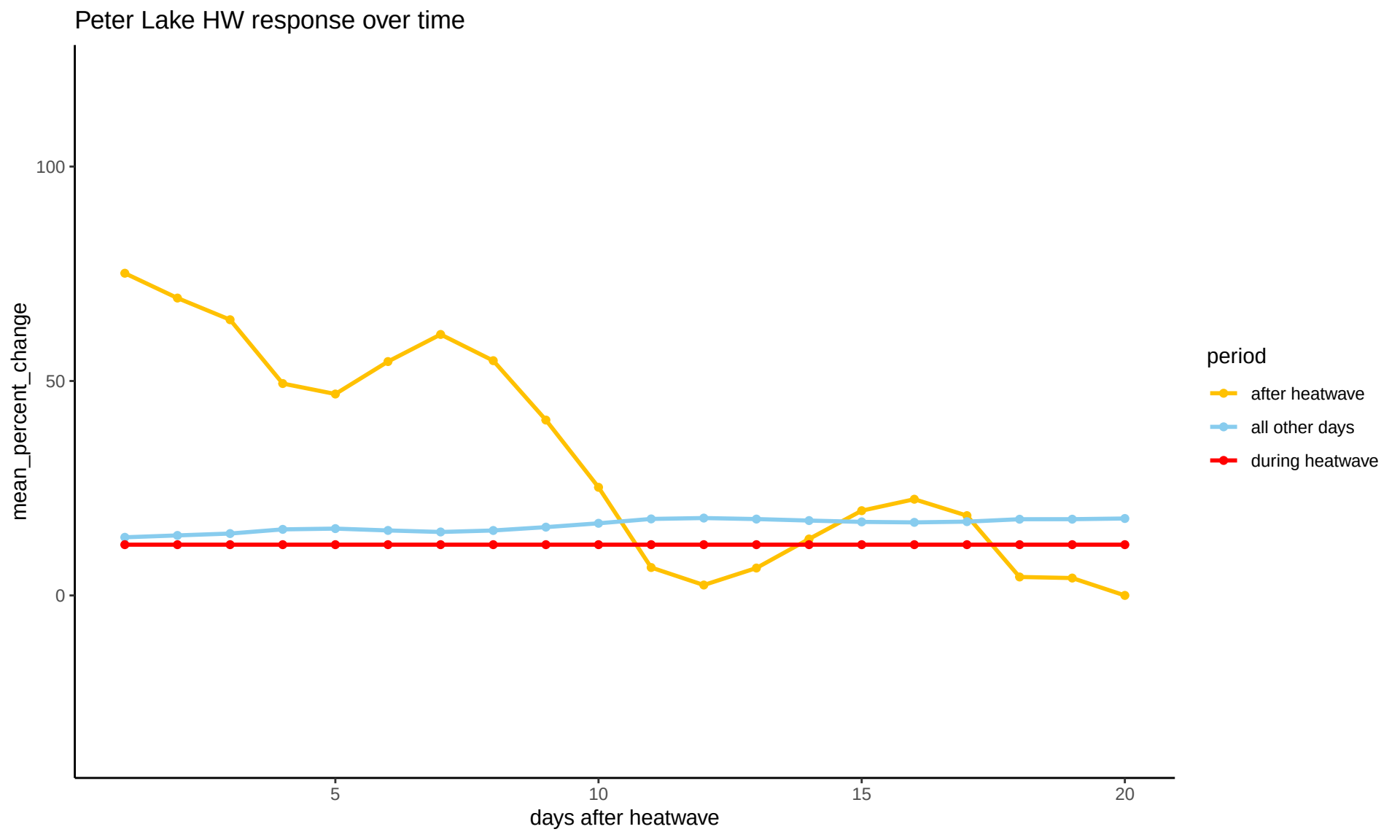

Peter
Days after heatwave: 4
all other days
during heatwave
after heatwave
n = 849
15
n = 94
12
n = 49
49
period
after heatwave
all other days
during heatwave
−200
0
200
400
600
% change in surface chlorophyll−a

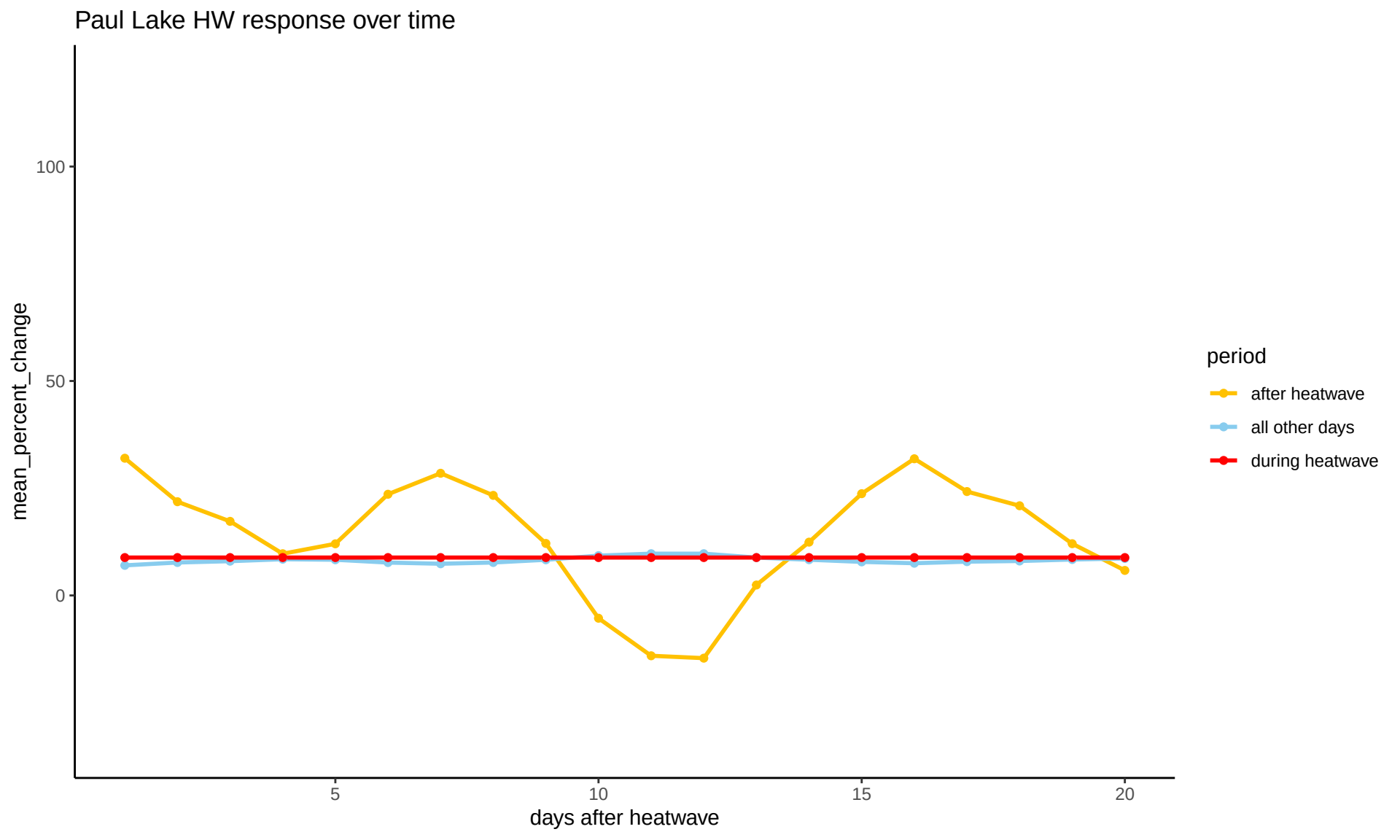

Paul
Days after heatwave: 4
all other days
during heatwave
after heatwave
n = 849
n = 94
n = 49
8
9
10
−200
0
200
400
% change in surface chlorophyll−a
period
after heatwave
all other days
during heatwave

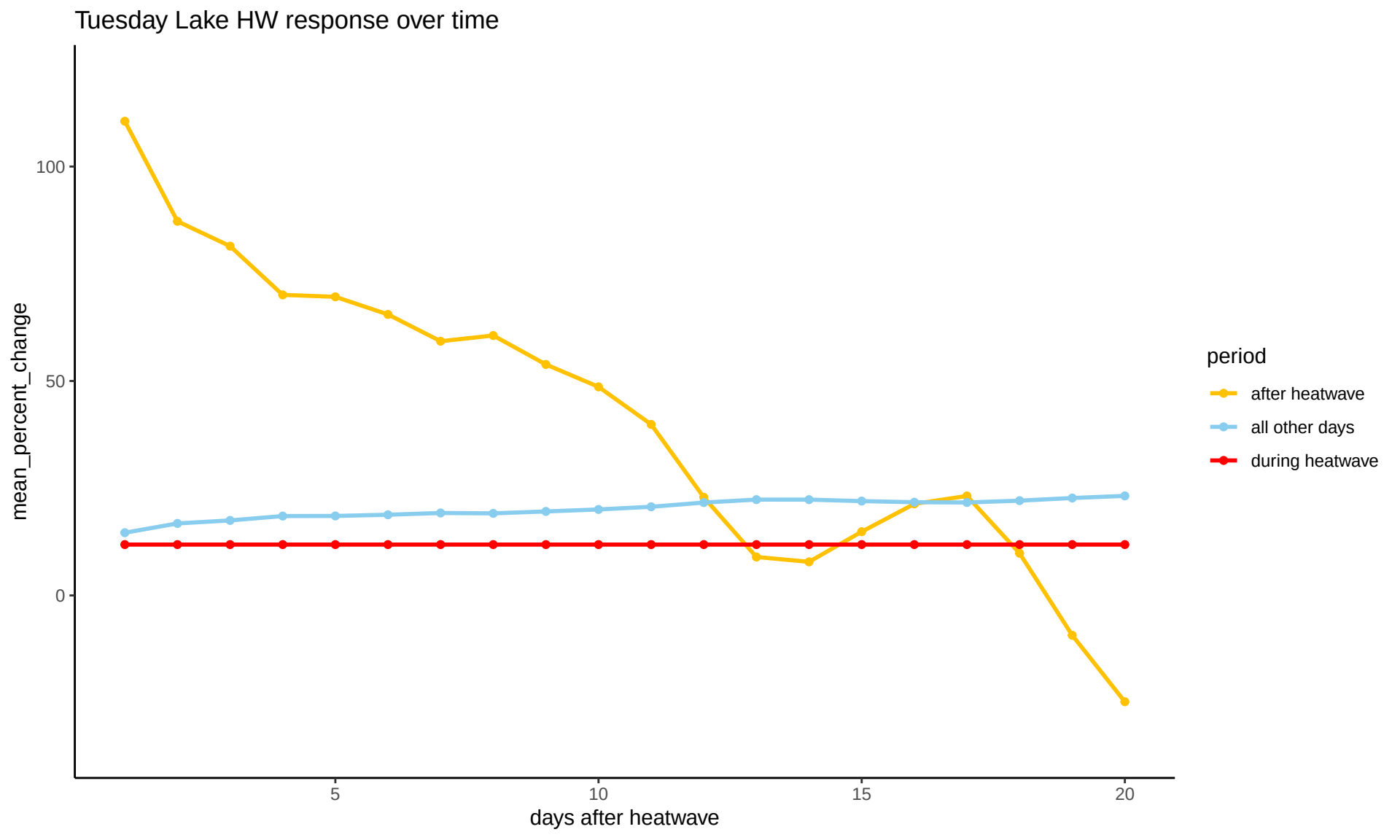

Tuesday
Days after heatwave: 4
all other days
during heatwave
after heatwave
n = 241
n = 24
n = 16
19
12
70
0
250
500
% change in surface chlorophyll−a
period
after heatwave
all other days
during heatwave

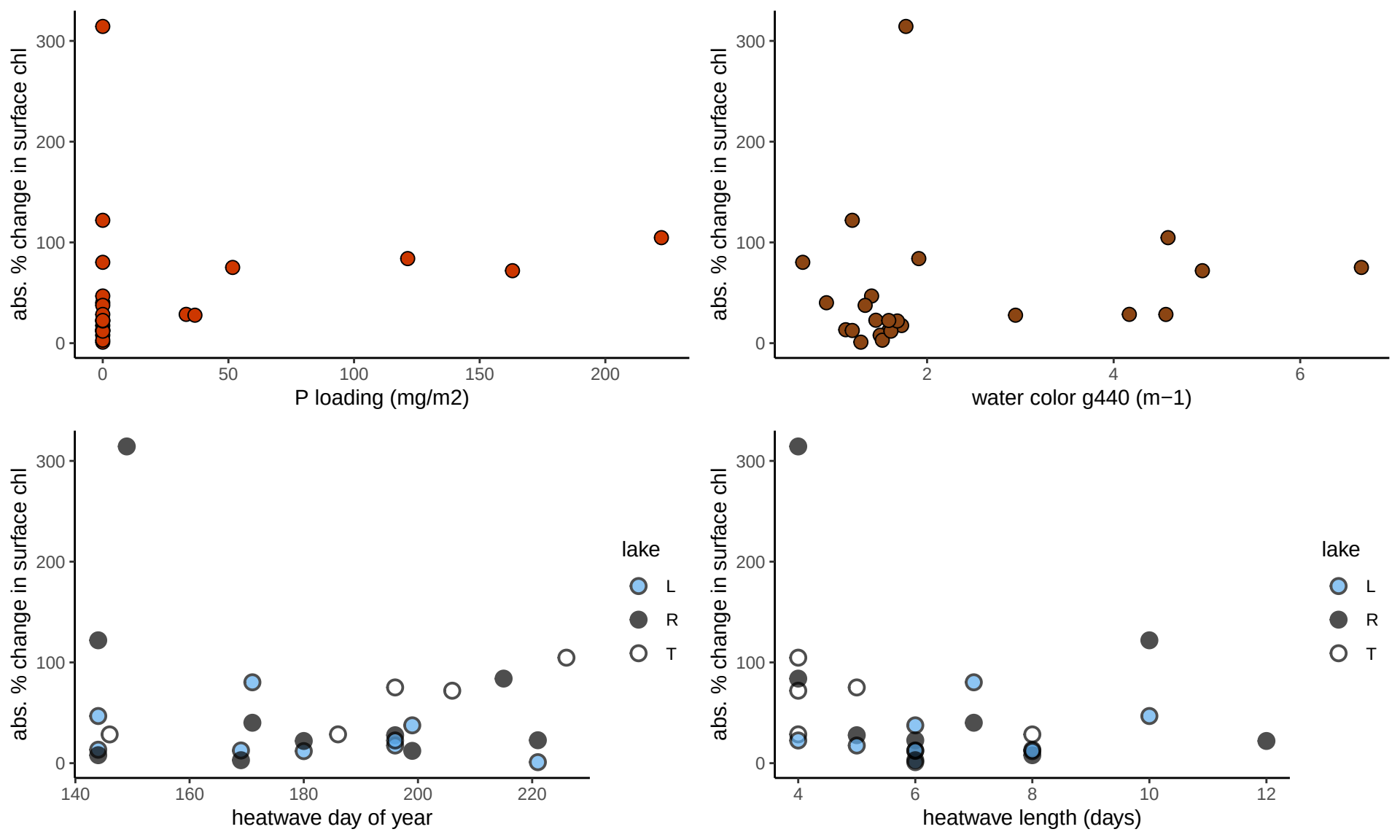

Average chl percent change by event
Days after heatwave: 4
Number of slopes averaged per event: 4
percent change in chl
300
200
100
0
−100
lake
L
R
T
2009−06−20
2010−05−24
2010−08−09
2011−07−18
2013−07−05
2013−07−15
2014−05−26
2014−05−29
2015−07−25
2015−08−14
2018−05−24
2018−06−18
2018−06−29
2018−08−11
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