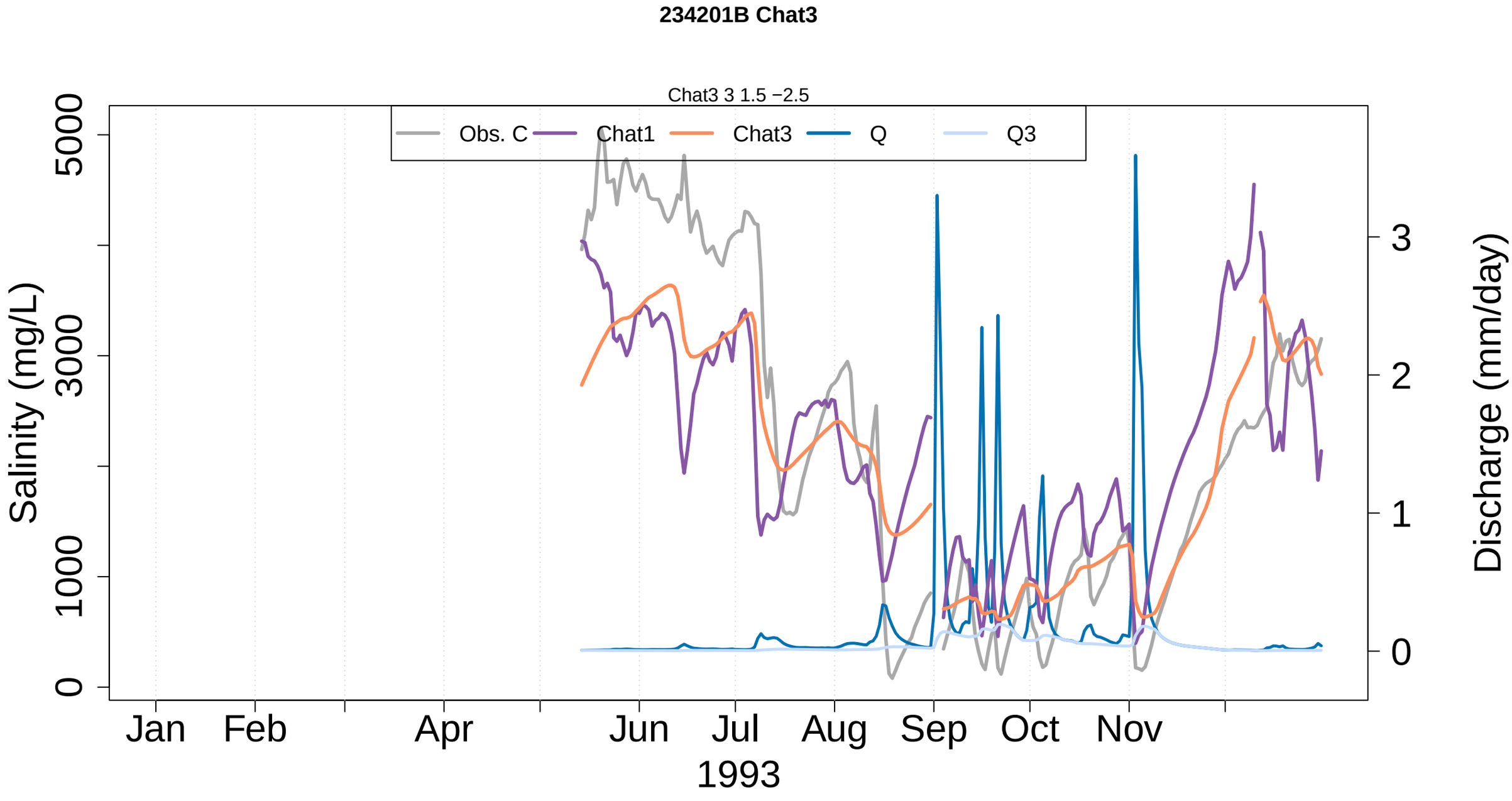
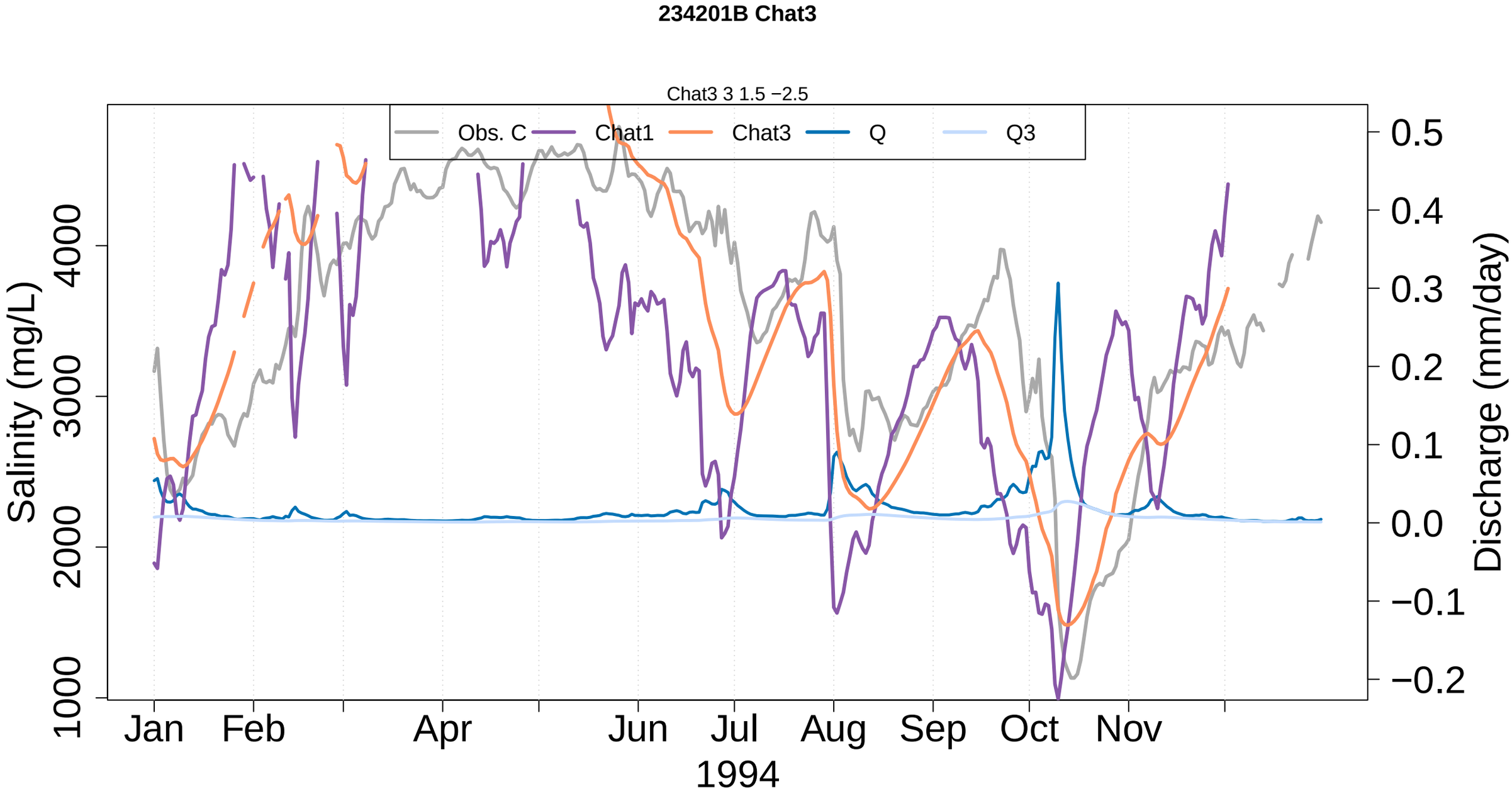
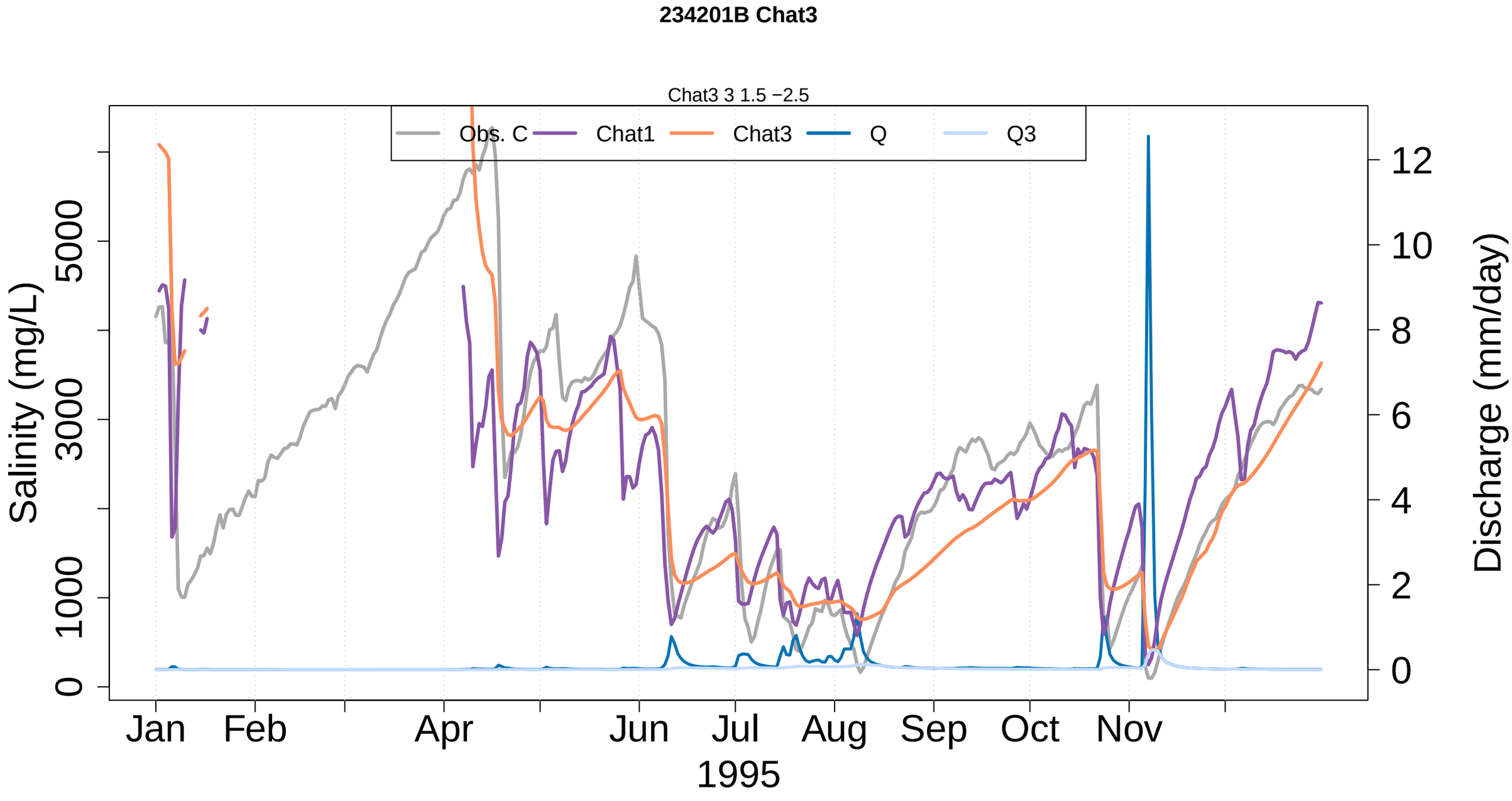
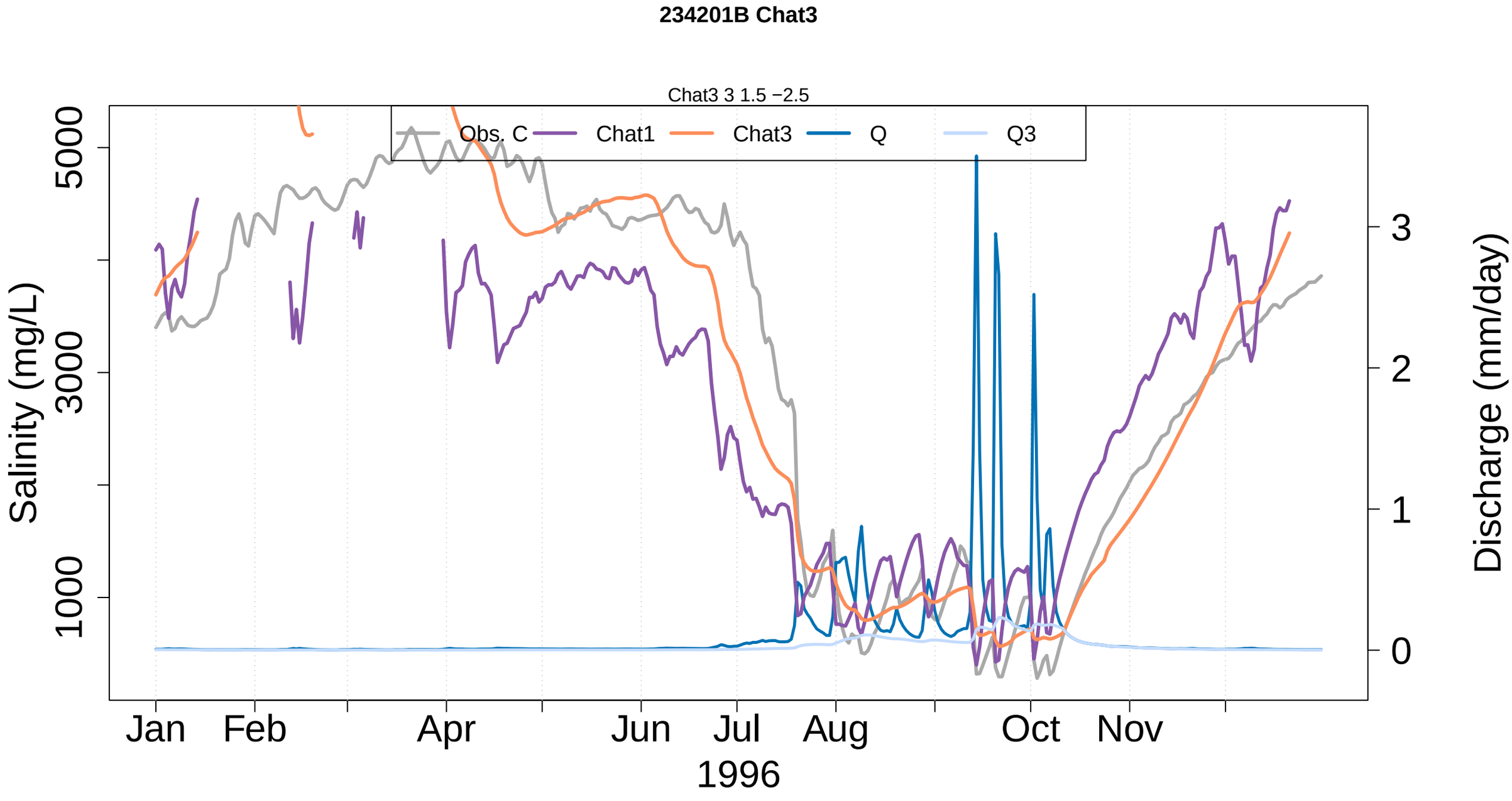
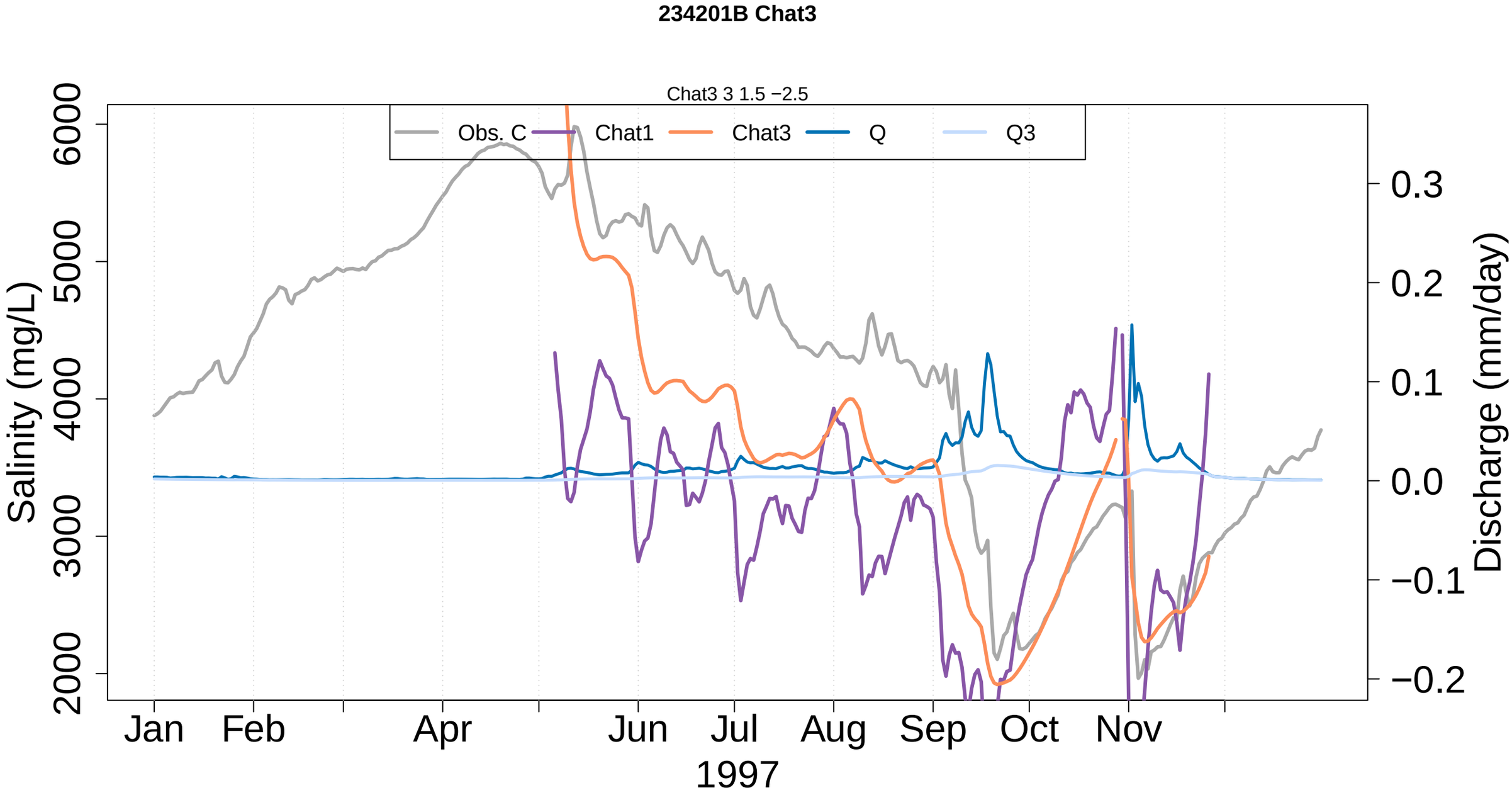
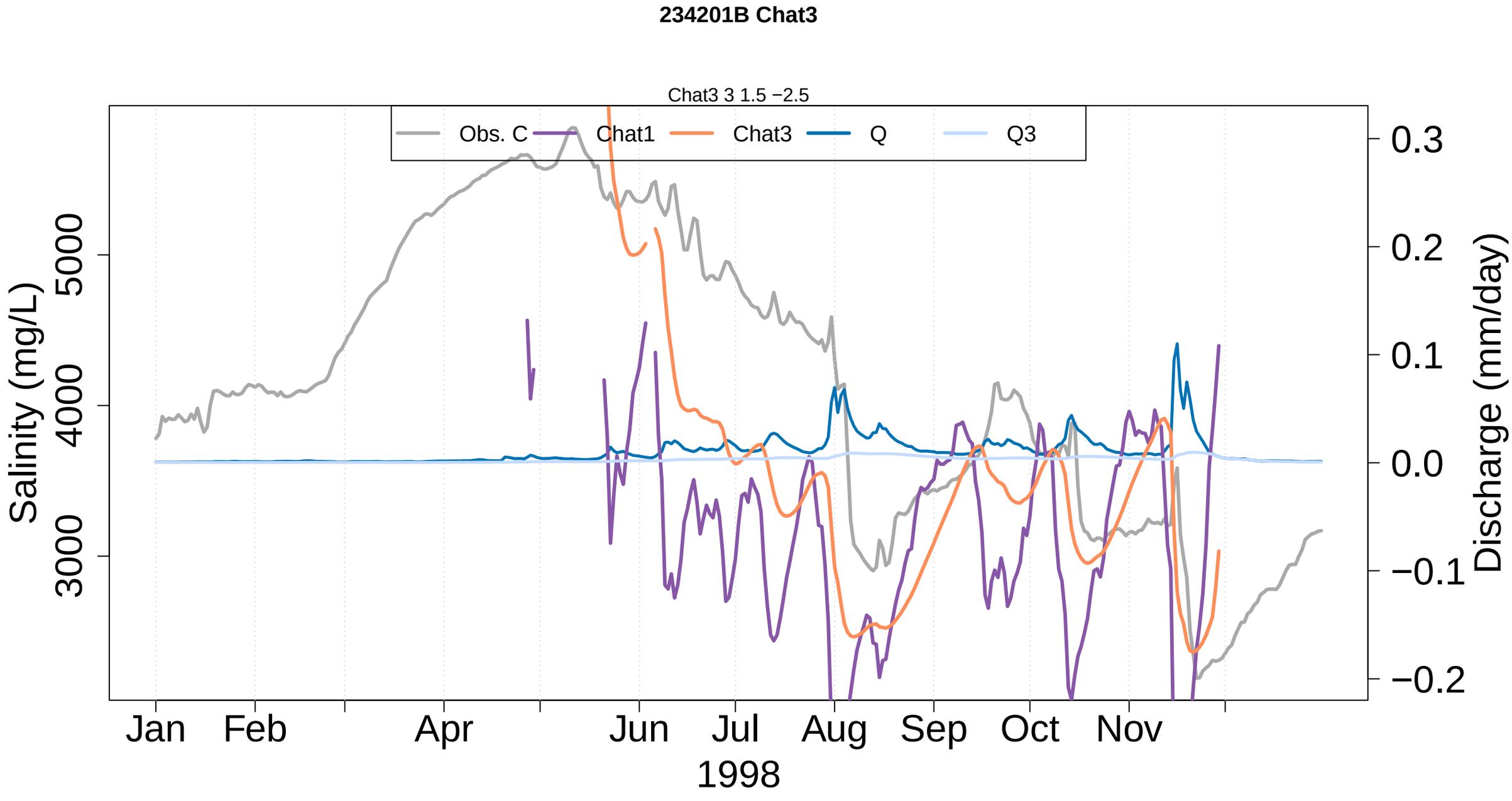

234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
0
1000
3000
5000
Discharge (mm/day)
0
1
2
3
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
1993

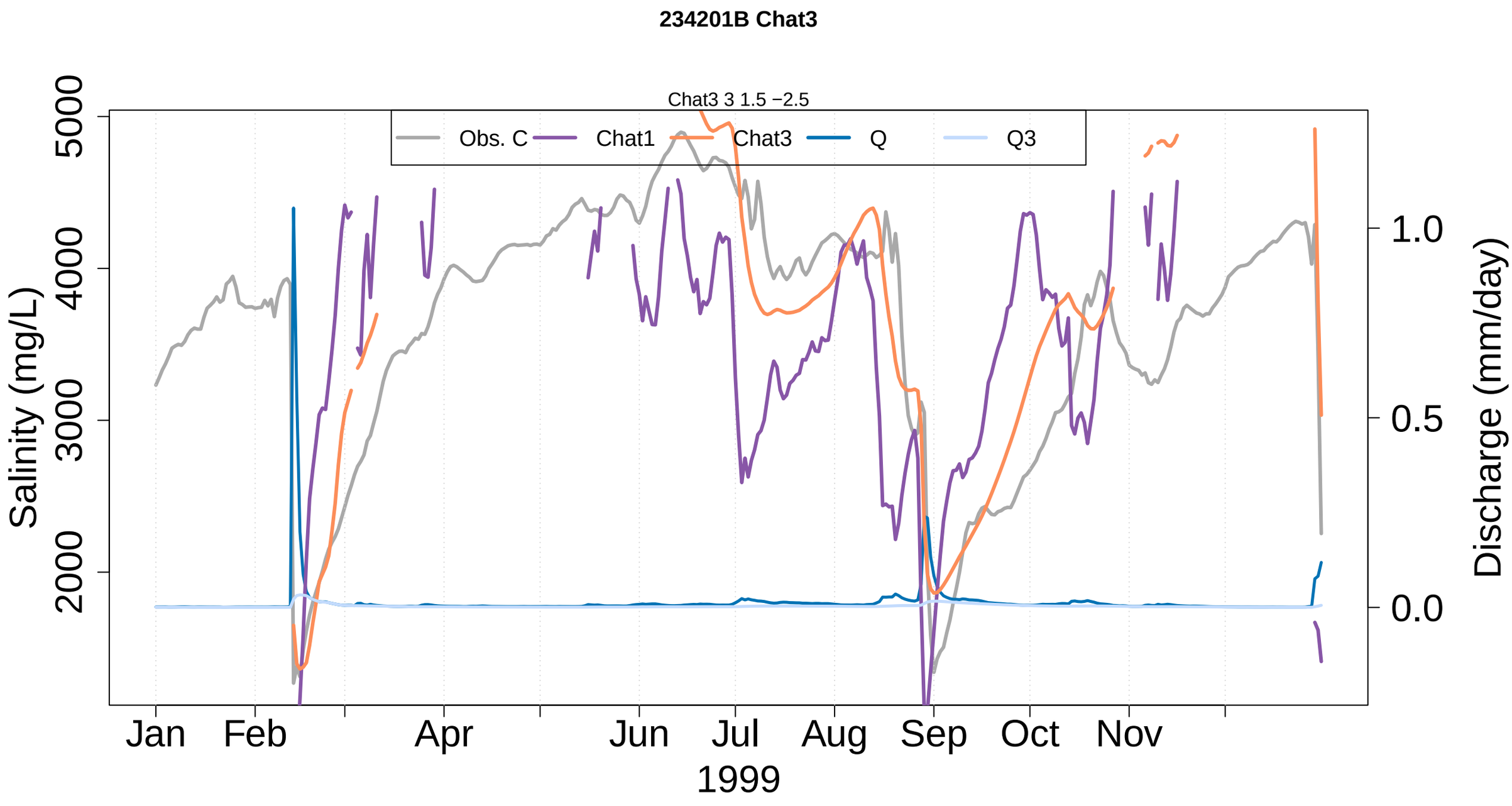

234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
1000
2000
3000
4000
Discharge (mm/day)
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
1994

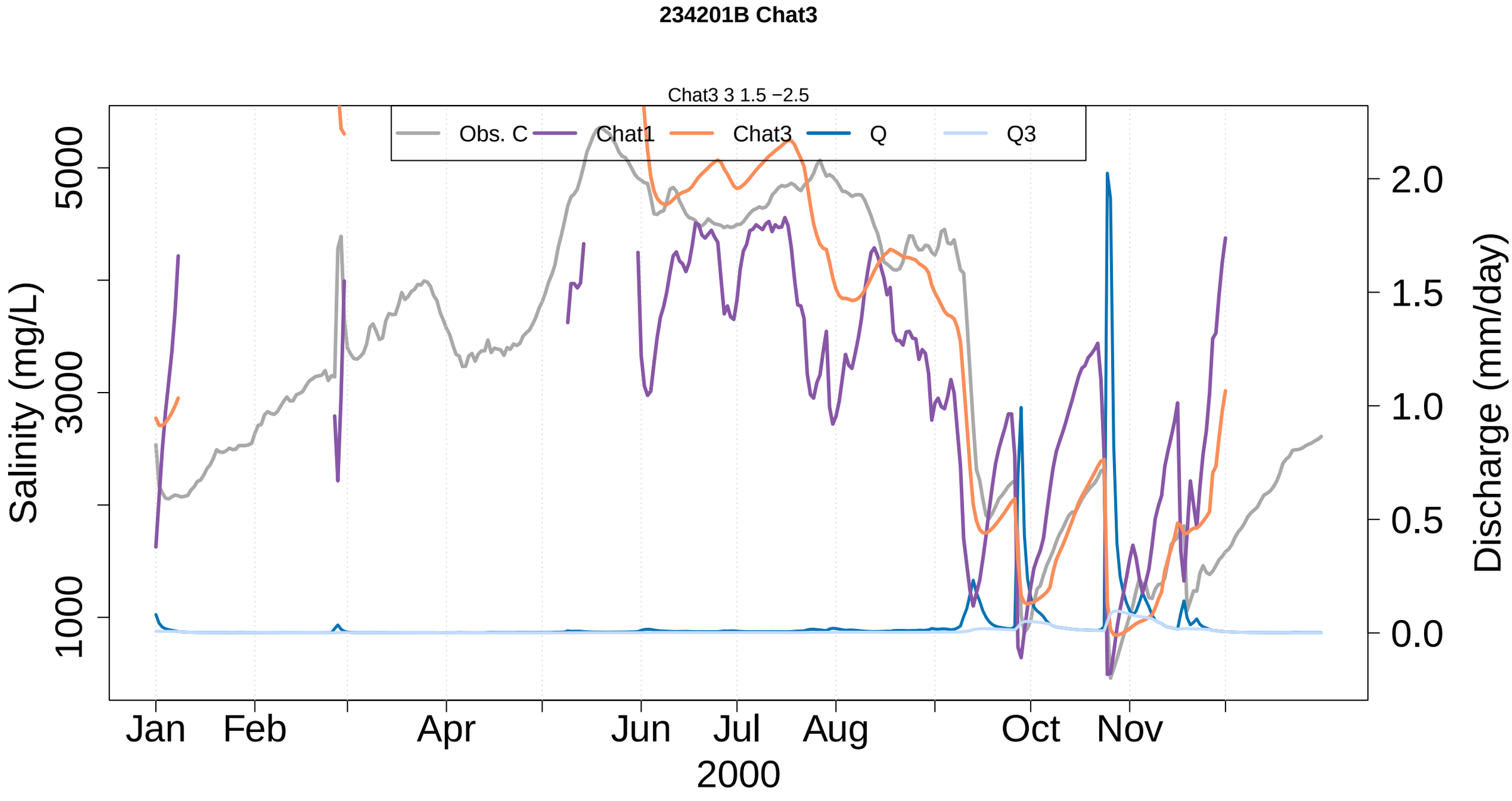

234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
0
1000
3000
5000
Discharge (mm/day)
0
2
4
6
8
10
12
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
1995

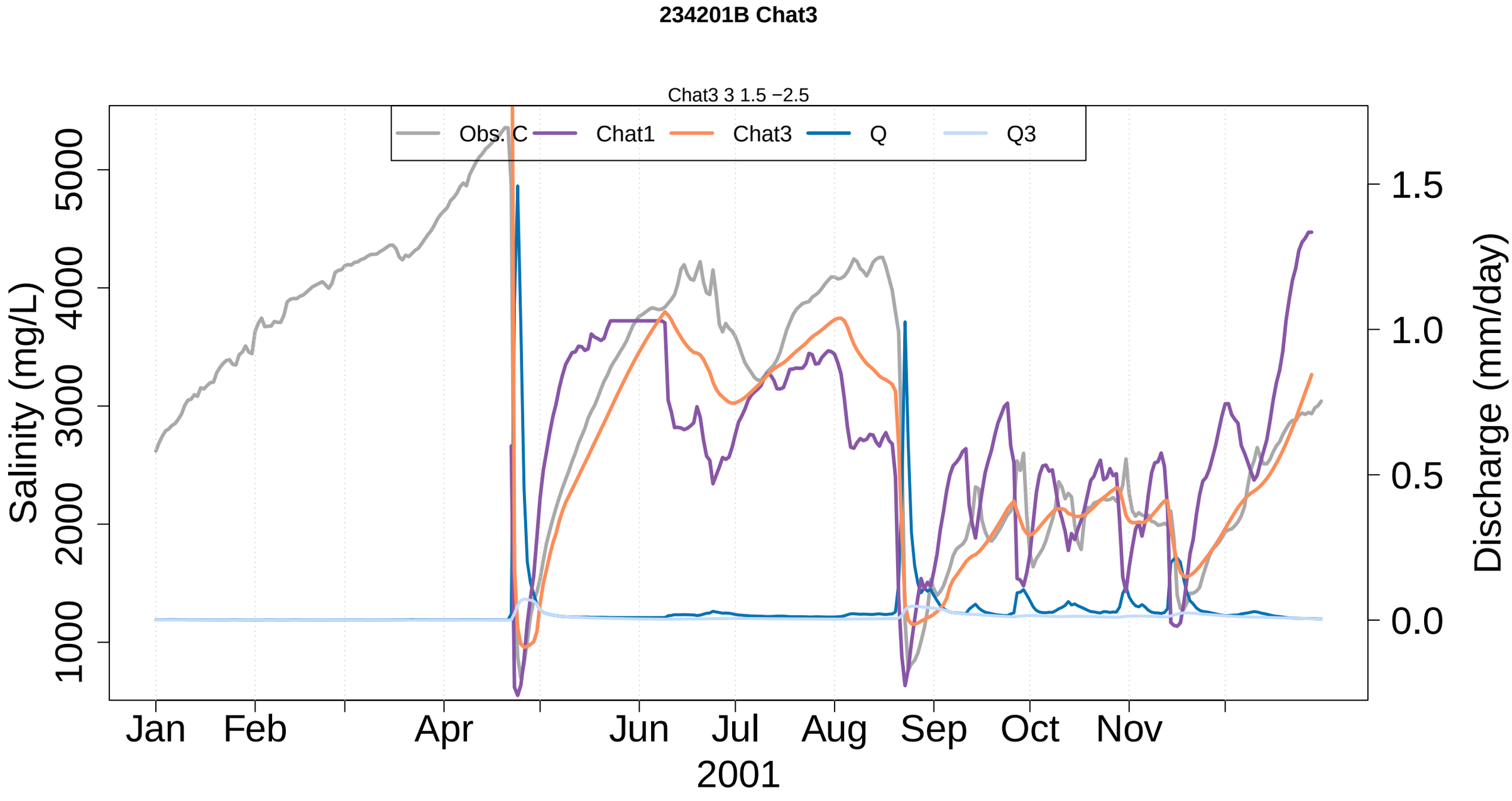

234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
5000
3000
1000
Discharge (mm/day)
3
2
1
0
Jan
Feb
Apr
Jun
Jul
Aug
Oct
Nov
1996

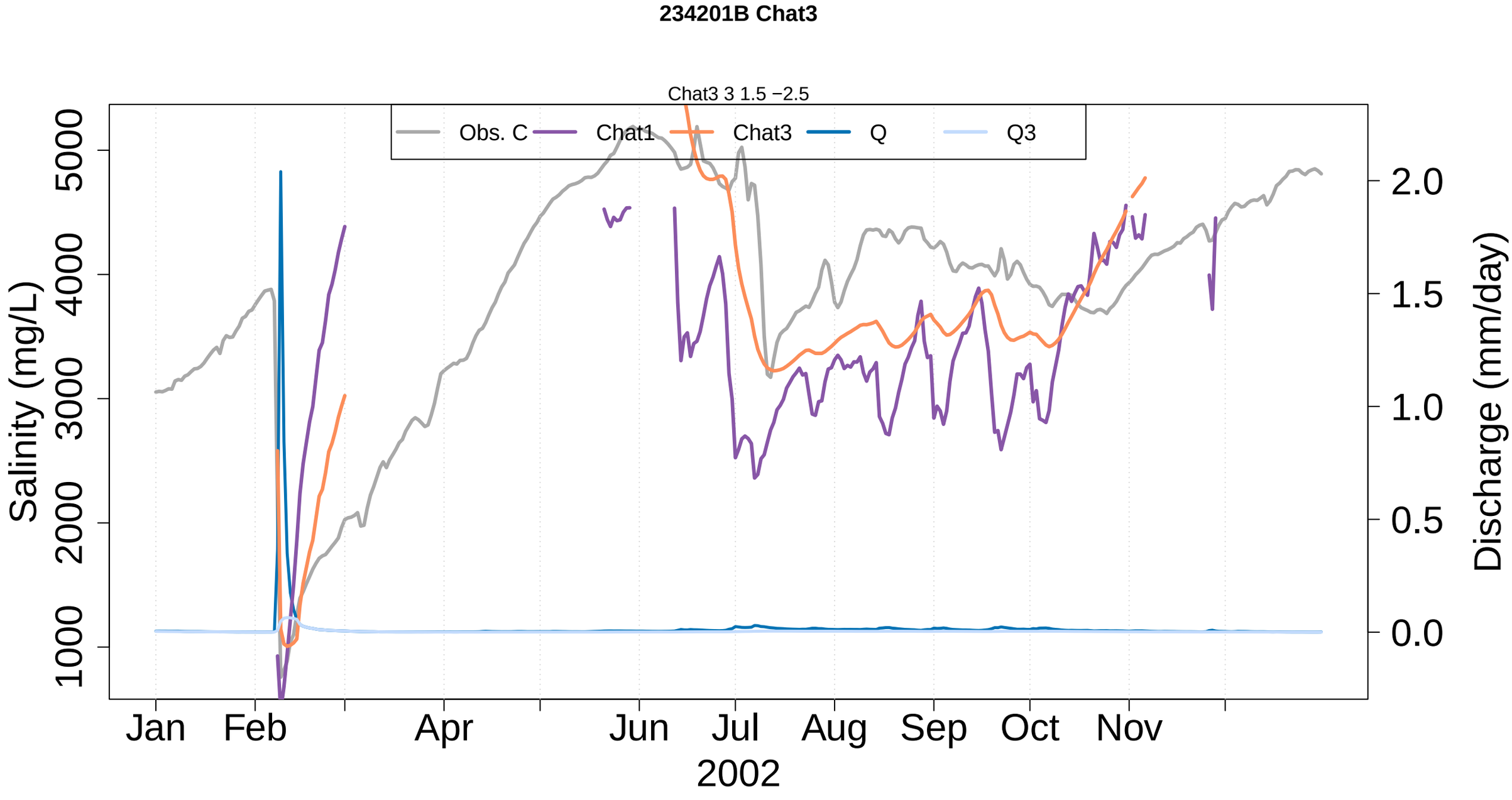

234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
2000
3000
4000
5000
6000
Discharge (mm/day)
0.3
0.2
0.1
0.0
−0.1
−0.2
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
1997

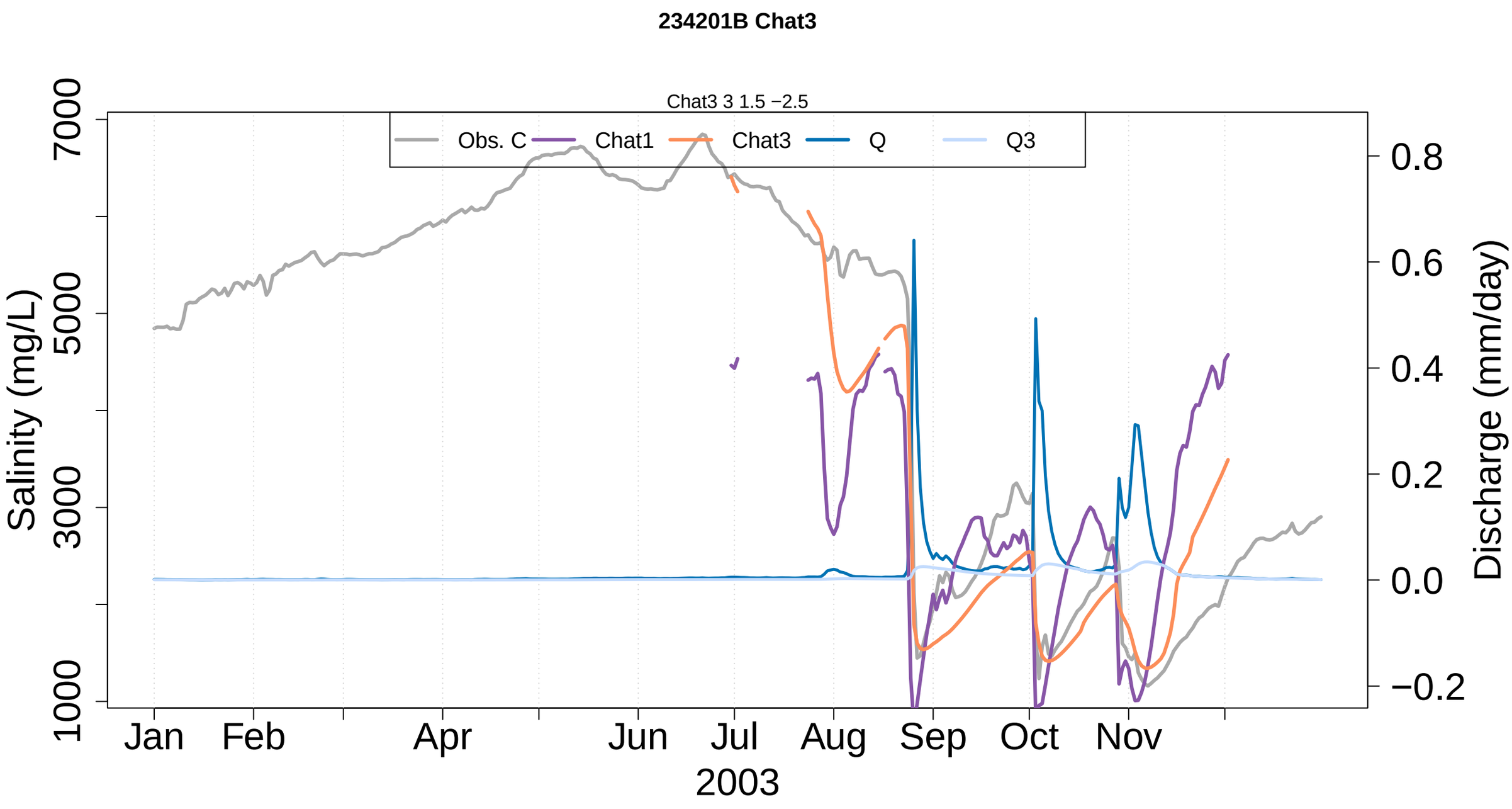

234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
3000
4000
5000
Discharge (mm/day)
0.3
0.2
0.1
0.0
−0.1
−0.2
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
1998

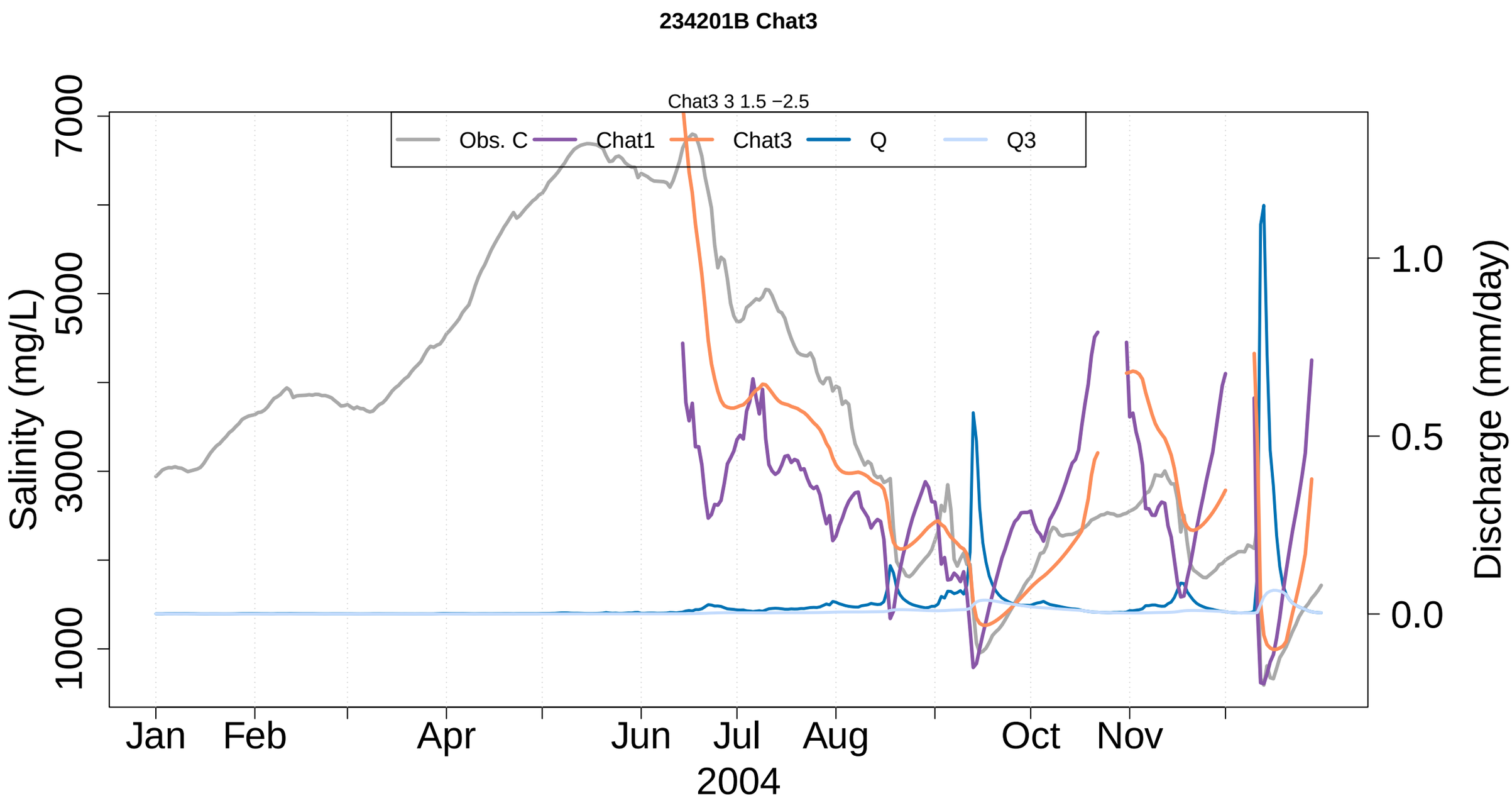

234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
2000
3000
4000
5000
Discharge (mm/day)
0.0
0.5
1.0
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
1999

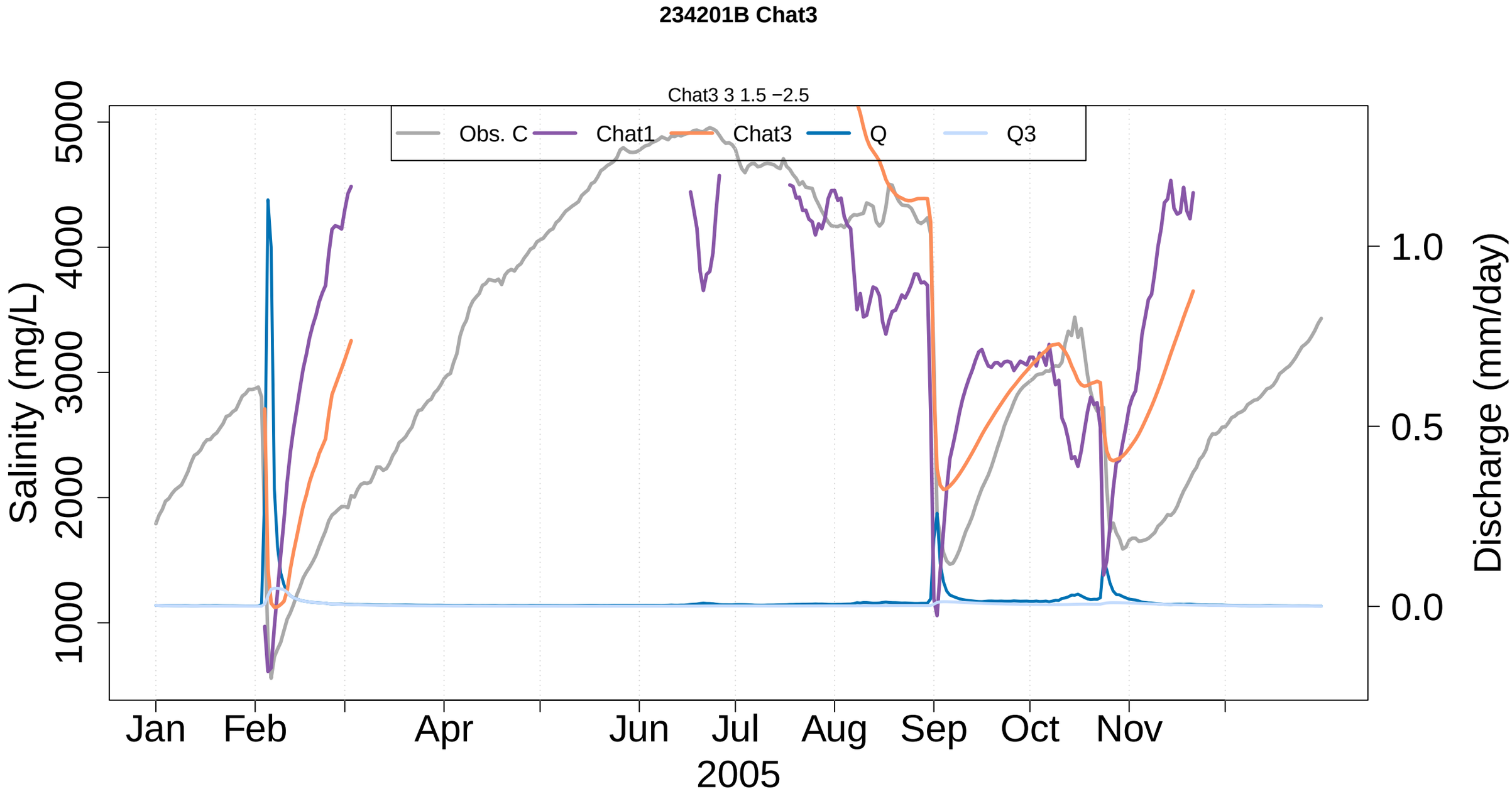

234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
5000
3000
1000
Discharge (mm/day)
2.0
1.5
1.0
0.5
0.0
Jan
Feb
Apr
Jun
Jul
Aug
Oct
Nov
2000

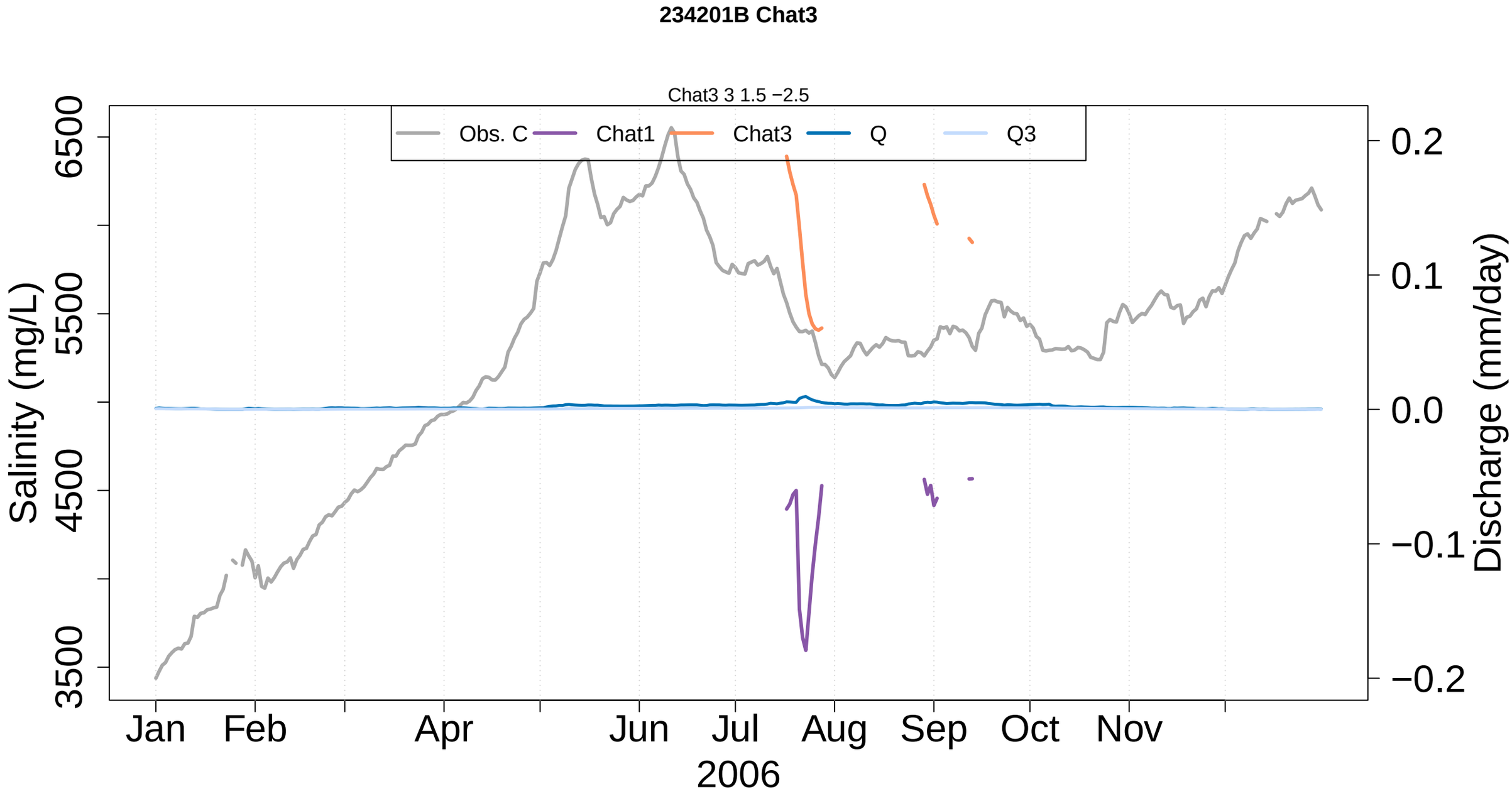

234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
1000
2000
3000
4000
5000
Discharge (mm/day)
0.0
0.5
1.0
1.5
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
2001

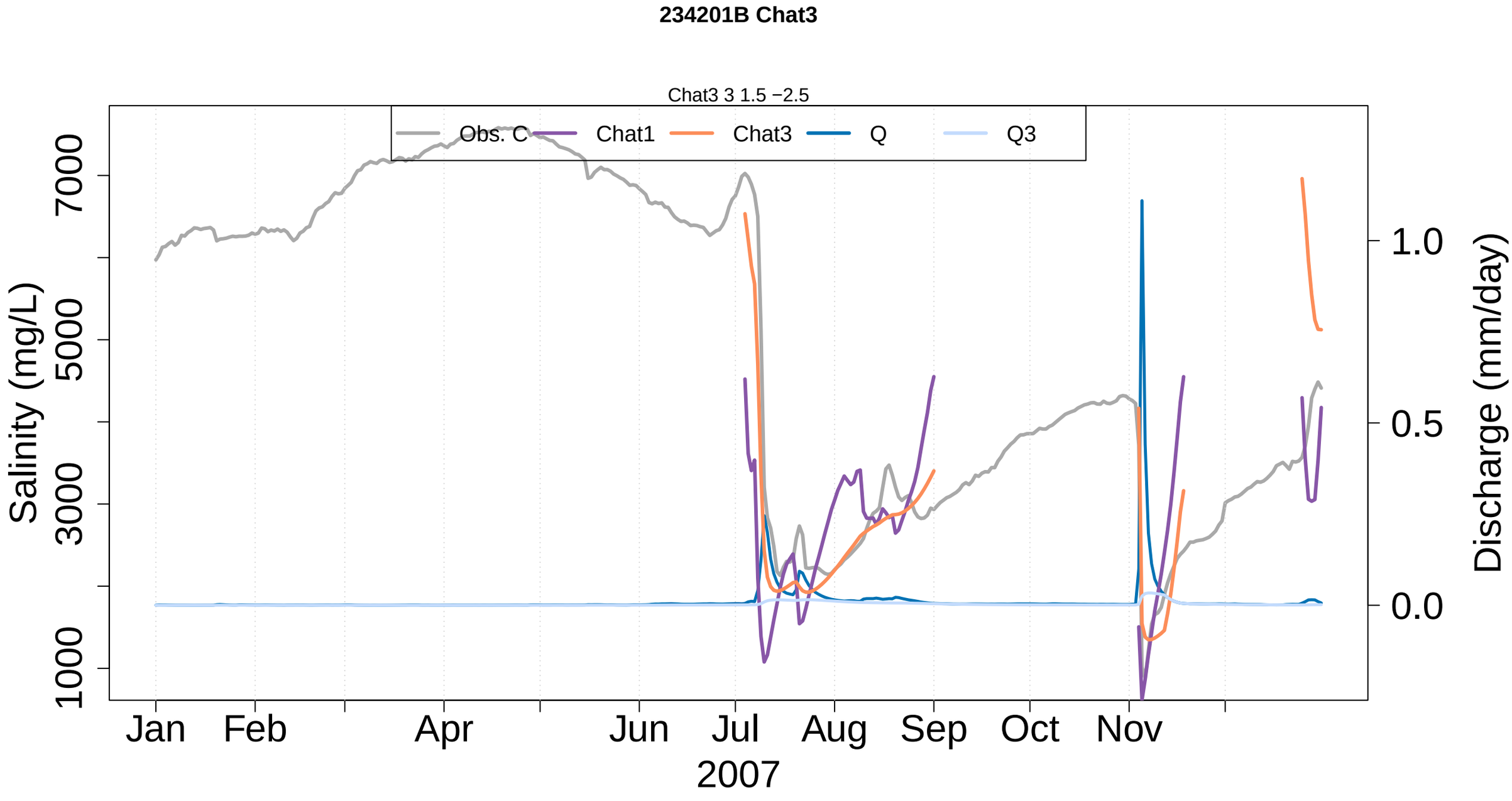

234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
1000
2000
3000
4000
5000
Discharge (mm/day)
0.0
0.5
1.0
1.5
2.0
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
2002

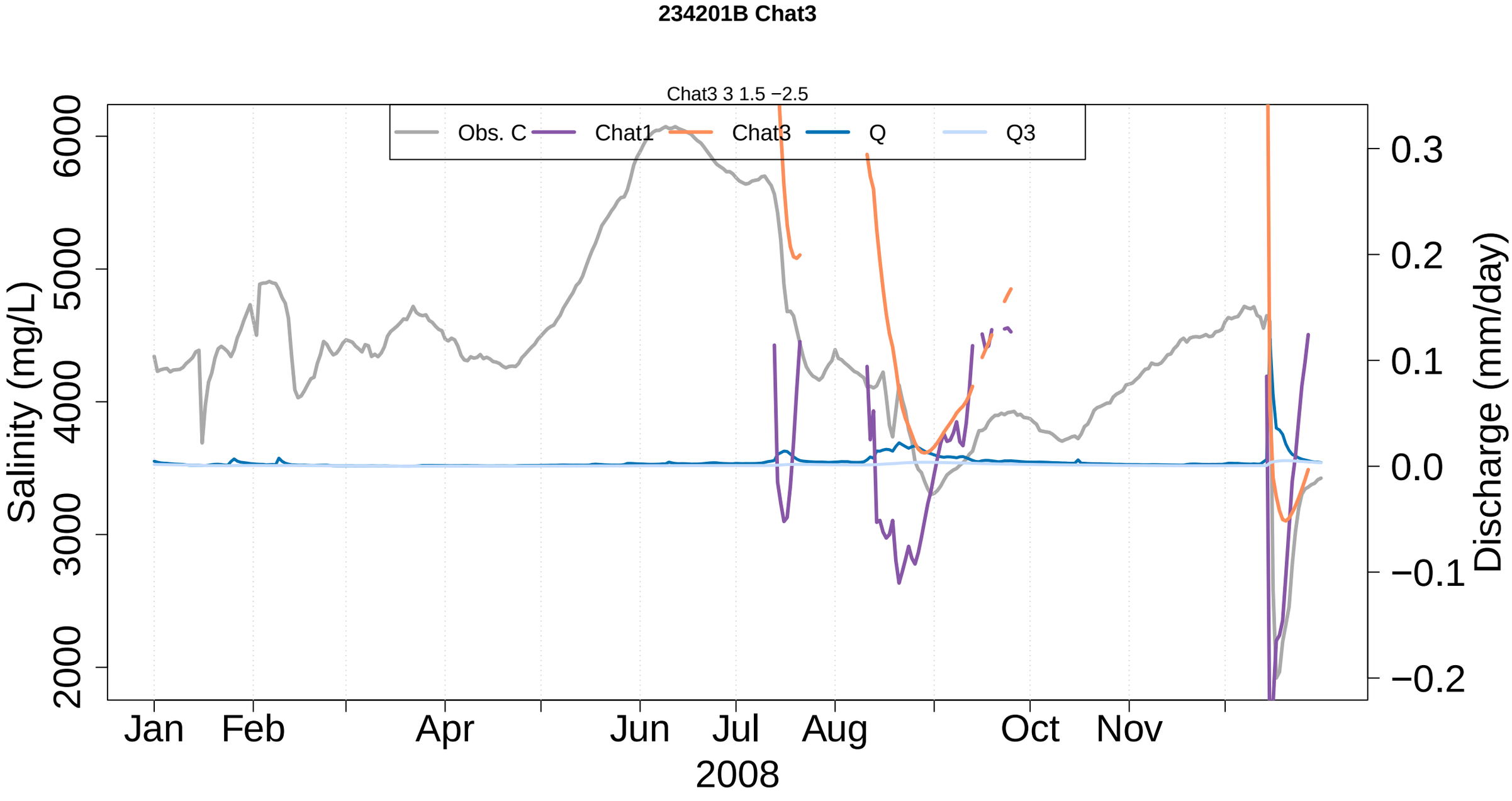

234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
7000
5000
3000
1000
Discharge (mm/day)
0.8
0.6
0.4
0.2
0.0
−0.2
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
2003

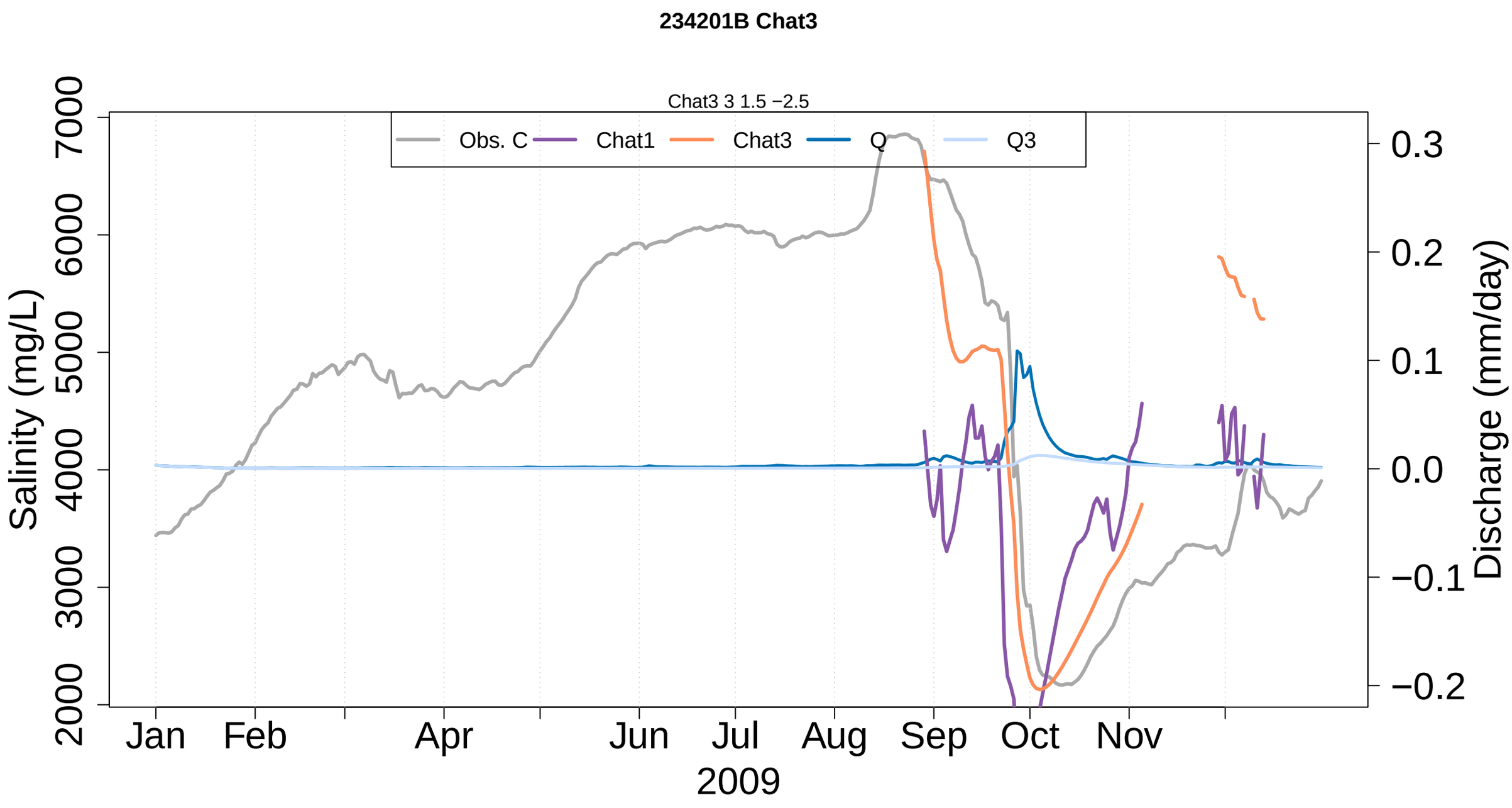

234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
7000
5000
3000
1000
Discharge (mm/day)
1.0
0.5
0.0
Jan
Feb
Apr
Jun
Jul
Aug
Oct
Nov
2004

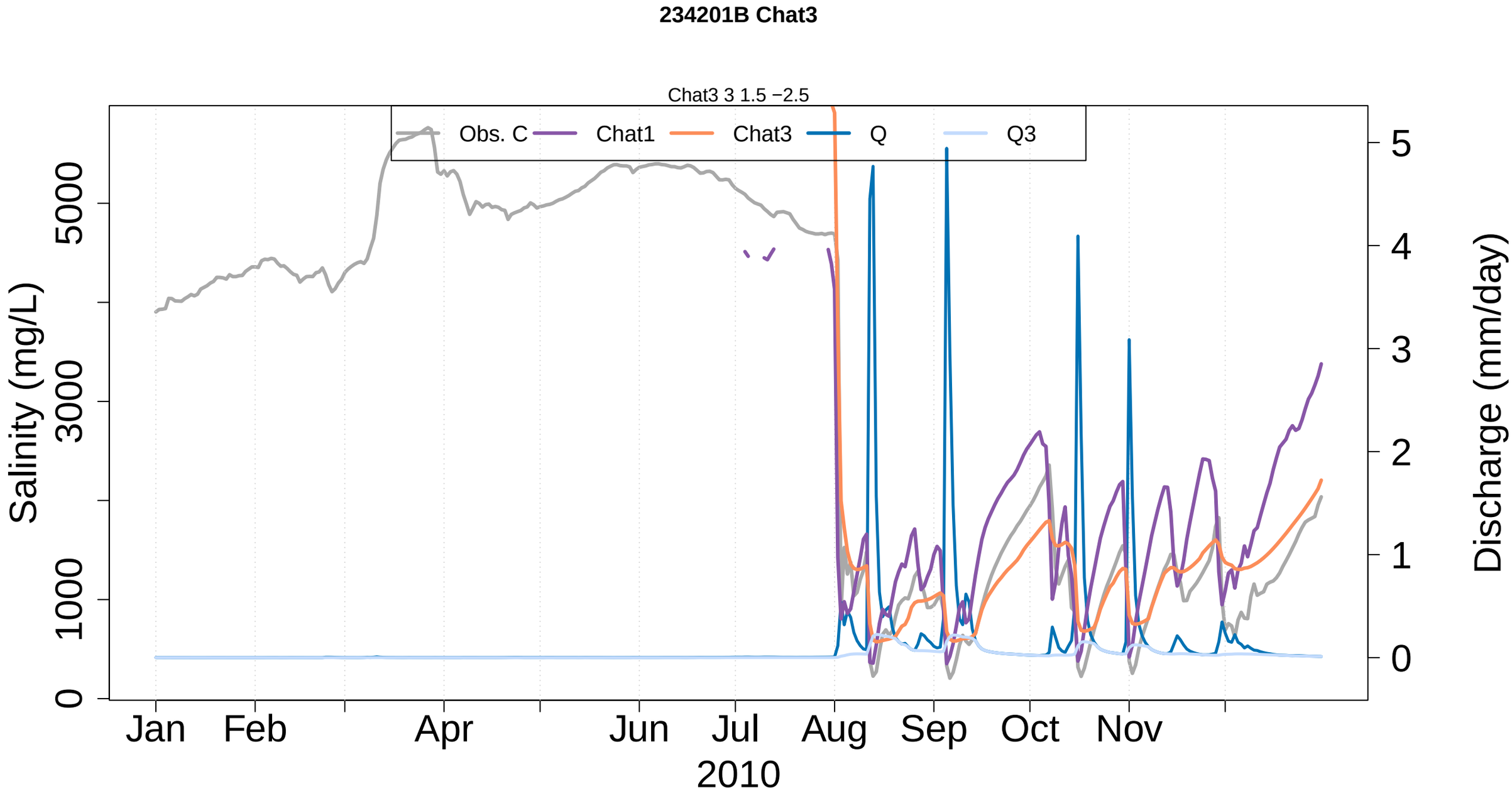

234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
1000
2000
3000
4000
5000
Discharge (mm/day)
0.0
0.5
1.0
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
2005

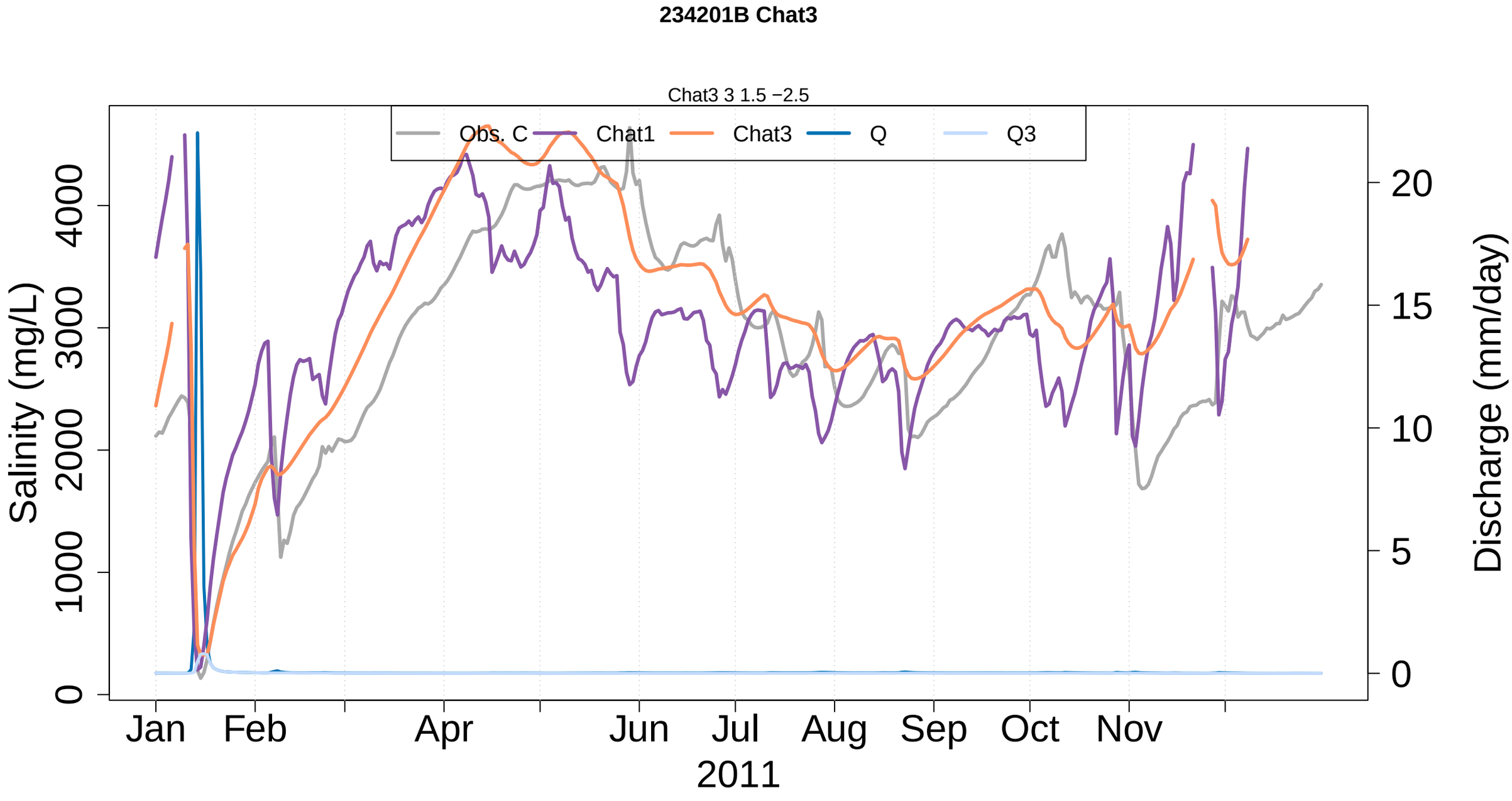

234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
6500
5500
4500
3500
Discharge (mm/day)
0.2
0.1
0.0
−0.1
−0.2
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
2006


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
1000
3000
5000
7000
Discharge (mm/day)
0.0
0.5
1.0
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
2007


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
2000
3000
4000
5000
6000
Discharge (mm/day)
0.3
0.2
0.1
0.0
−0.1
−0.2
Jan
Feb
Apr
Jun
Jul
Aug
Oct
Nov
2008


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
2000
3000
4000
5000
6000
7000
Discharge (mm/day)
0.3
0.2
0.1
0.0
−0.1
−0.2
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
2009


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
0
1000
3000
5000
Discharge (mm/day)
0
1
2
3
4
5
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
2010


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
0
1000
2000
3000
4000
Discharge (mm/day)
0
5
10
15
20
Jan
Feb
Apr
Jun
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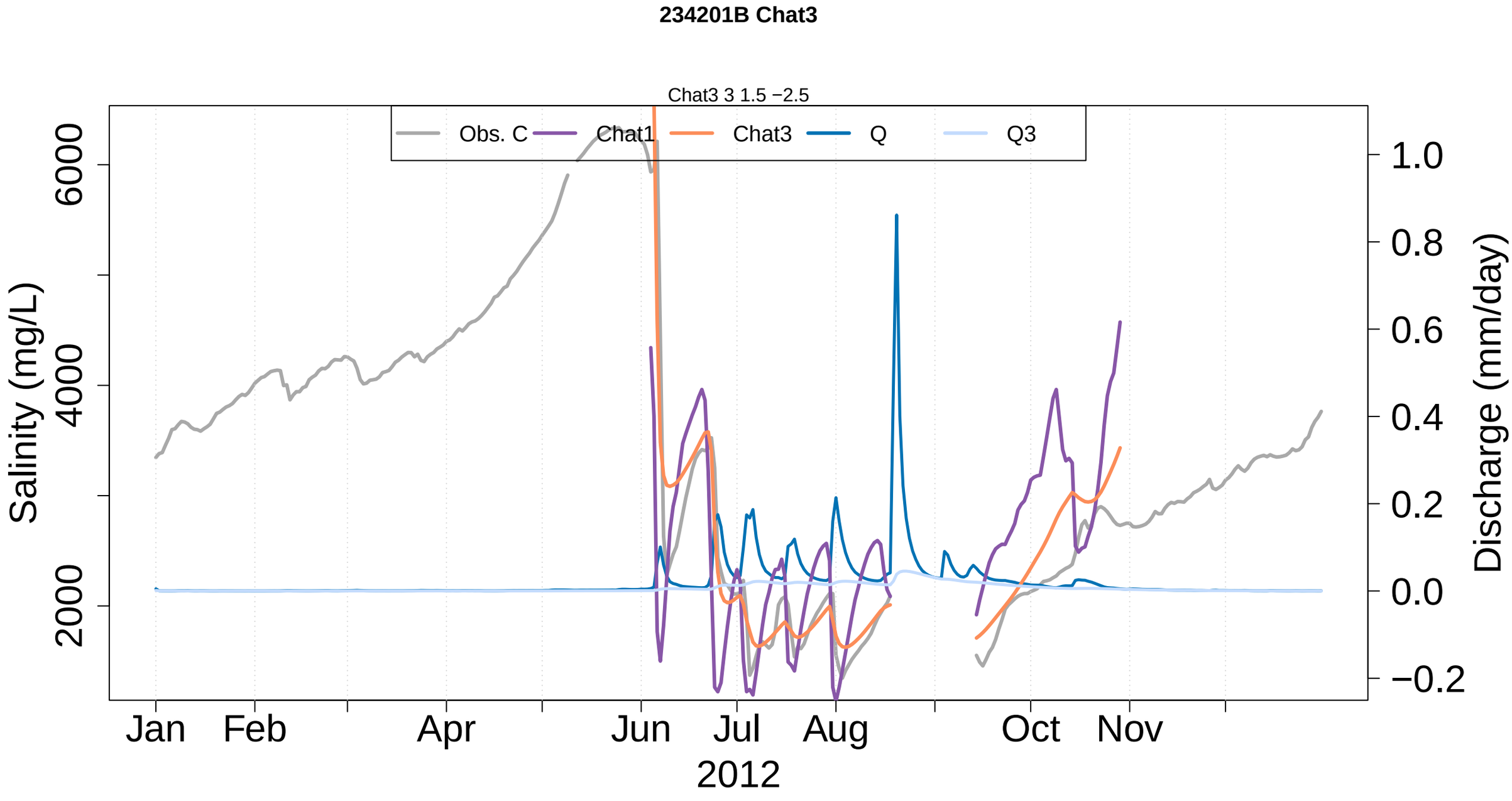
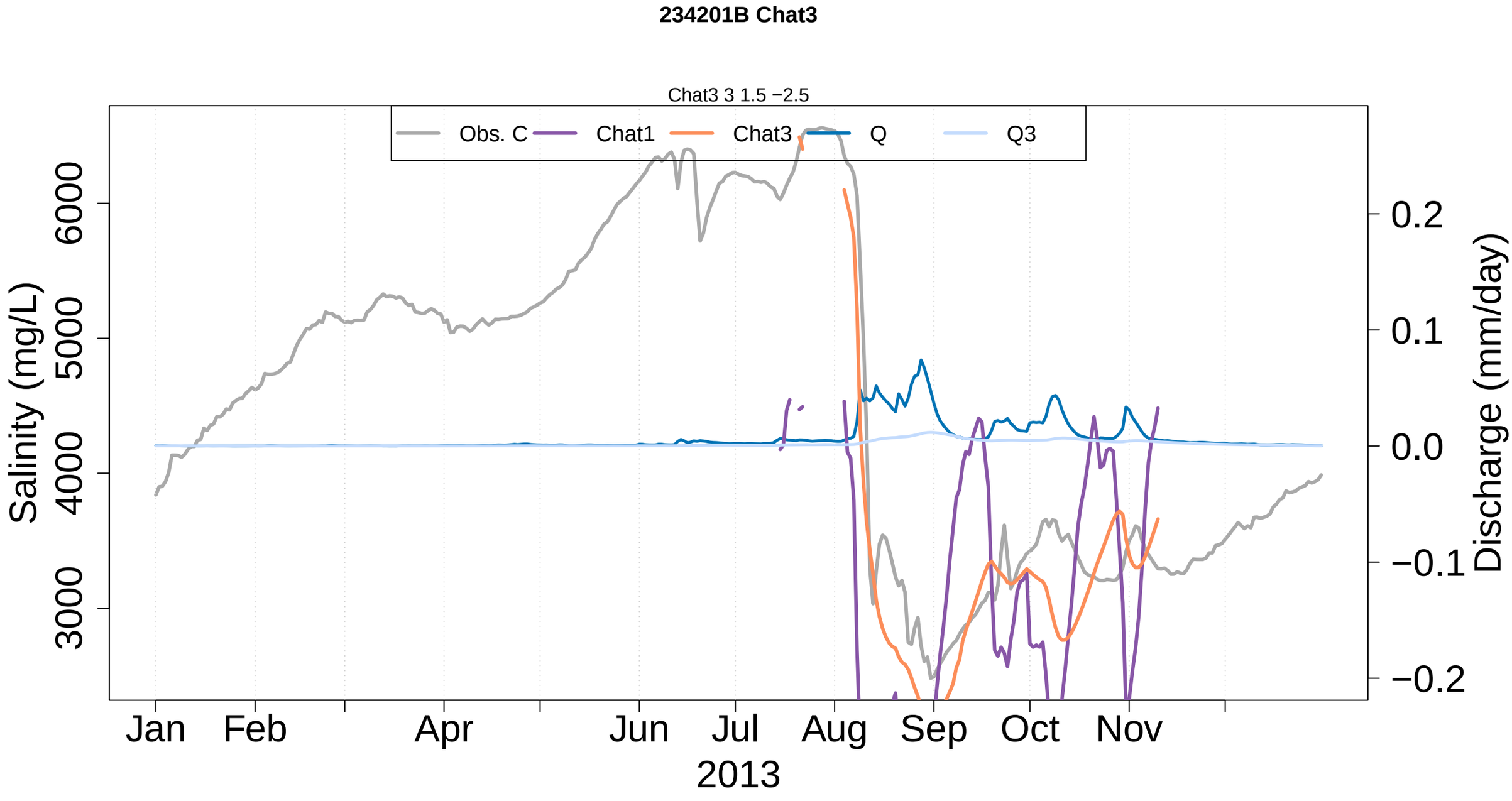
Aug
Sep
Oct
Nov
2011


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
6000
4000
2000
Discharge (mm/day)
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
Jan
Feb
Apr
Jun
Jul
Aug
Oct
Nov
2012


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
3000
4000
5000
6000
Discharge (mm/day)
0.2
0.1
0.0
−0.1
−0.2
Jan
Feb
Apr
Jun
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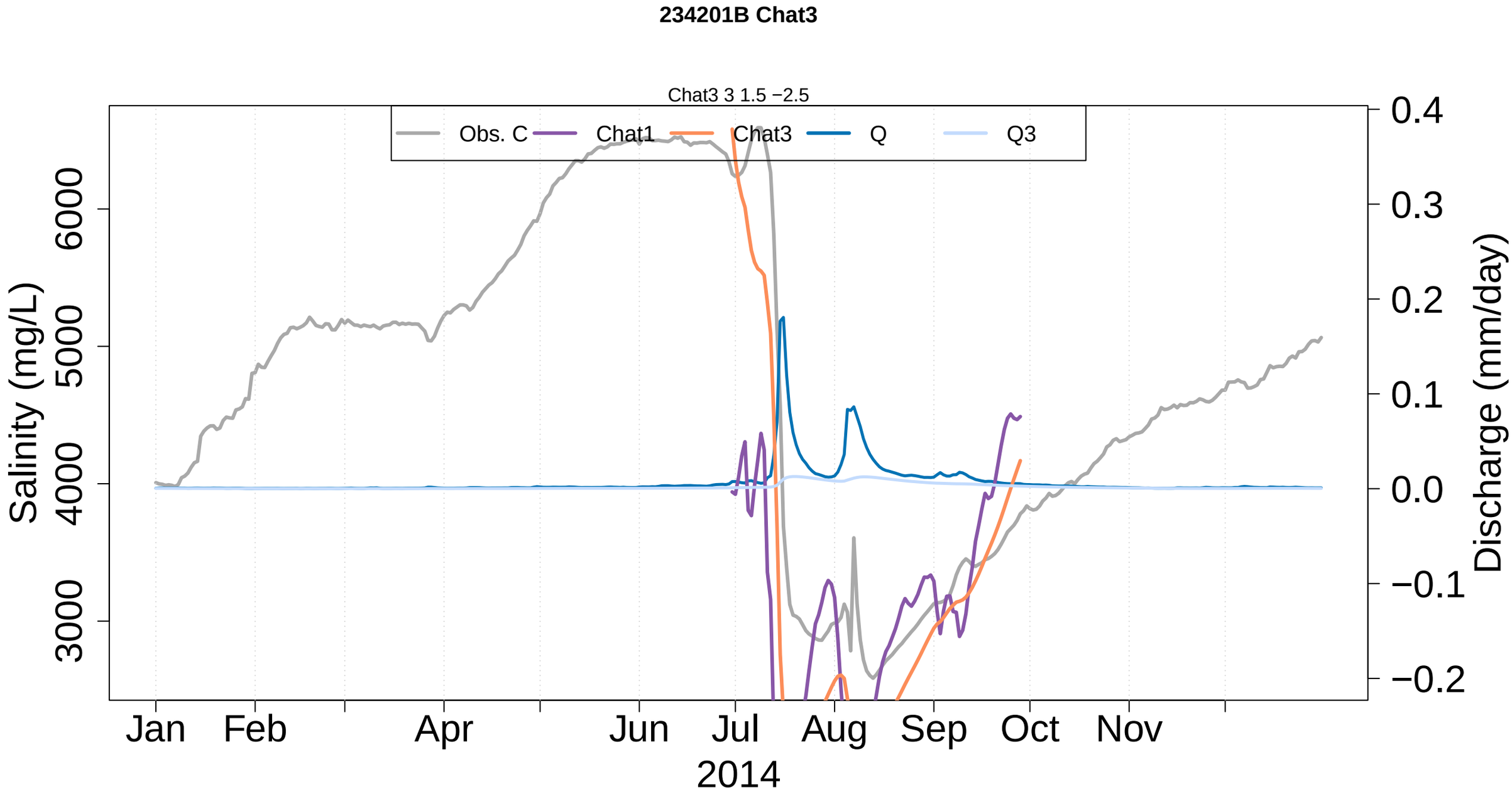
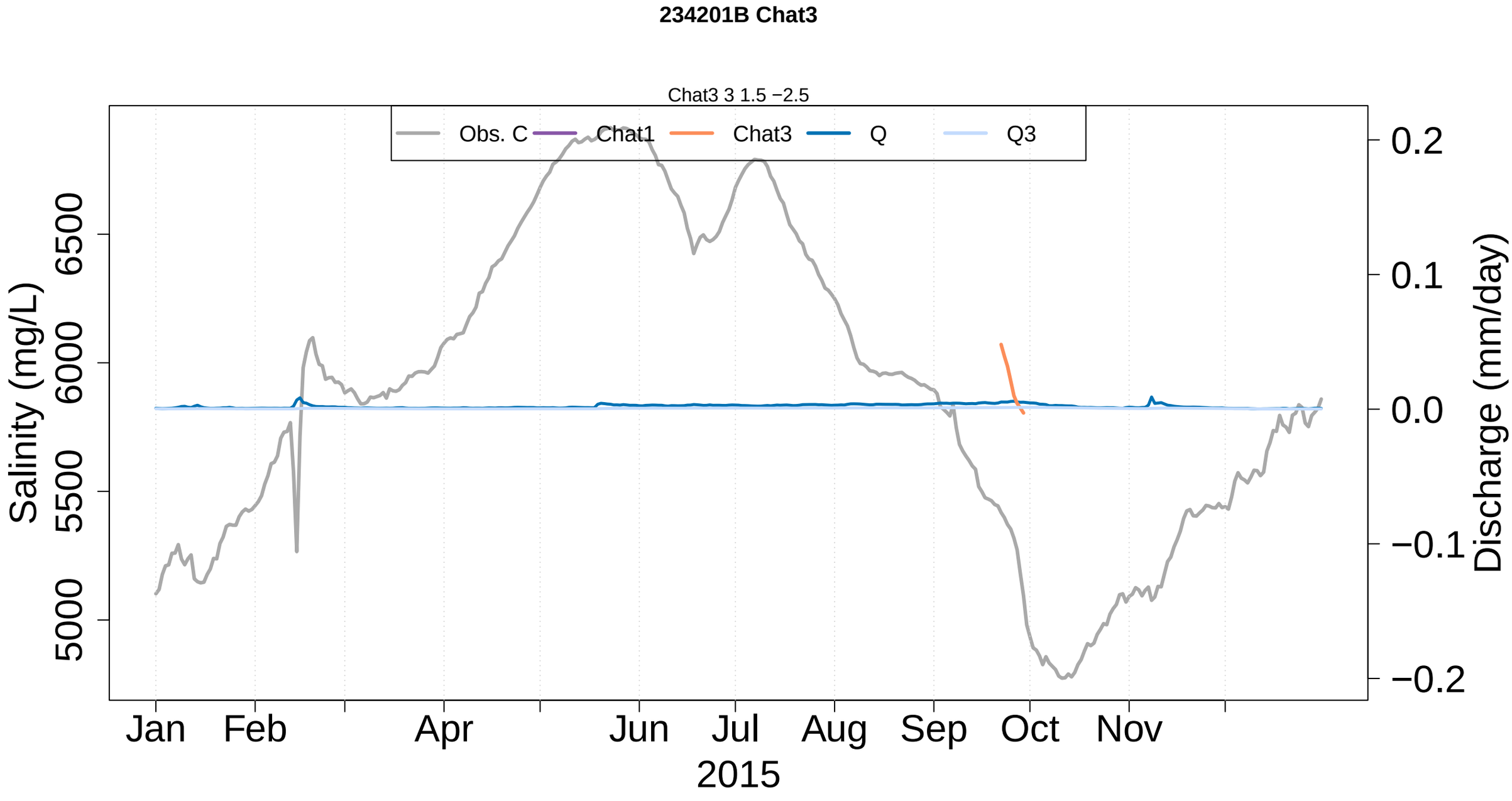
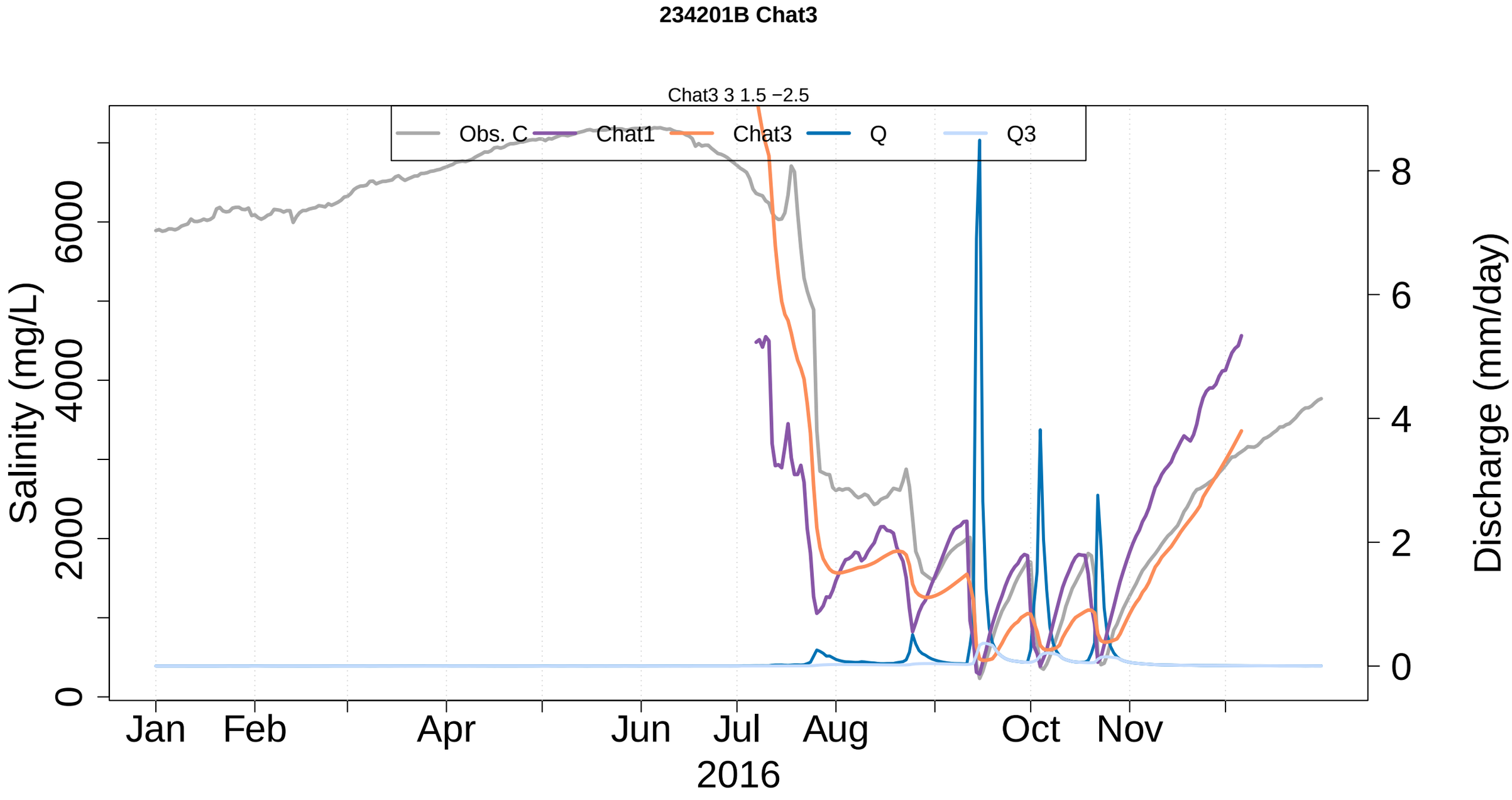
Aug
Sep
Oct
Nov
2013


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
3000
4000
5000
6000
Discharge (mm/day)
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
2014


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
5000
5500
6000
6500
Discharge (mm/day)
0.2
0.1
0.0
−0.1
−0.2
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
2015


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
0
2000
4000
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Discharge (mm/day)
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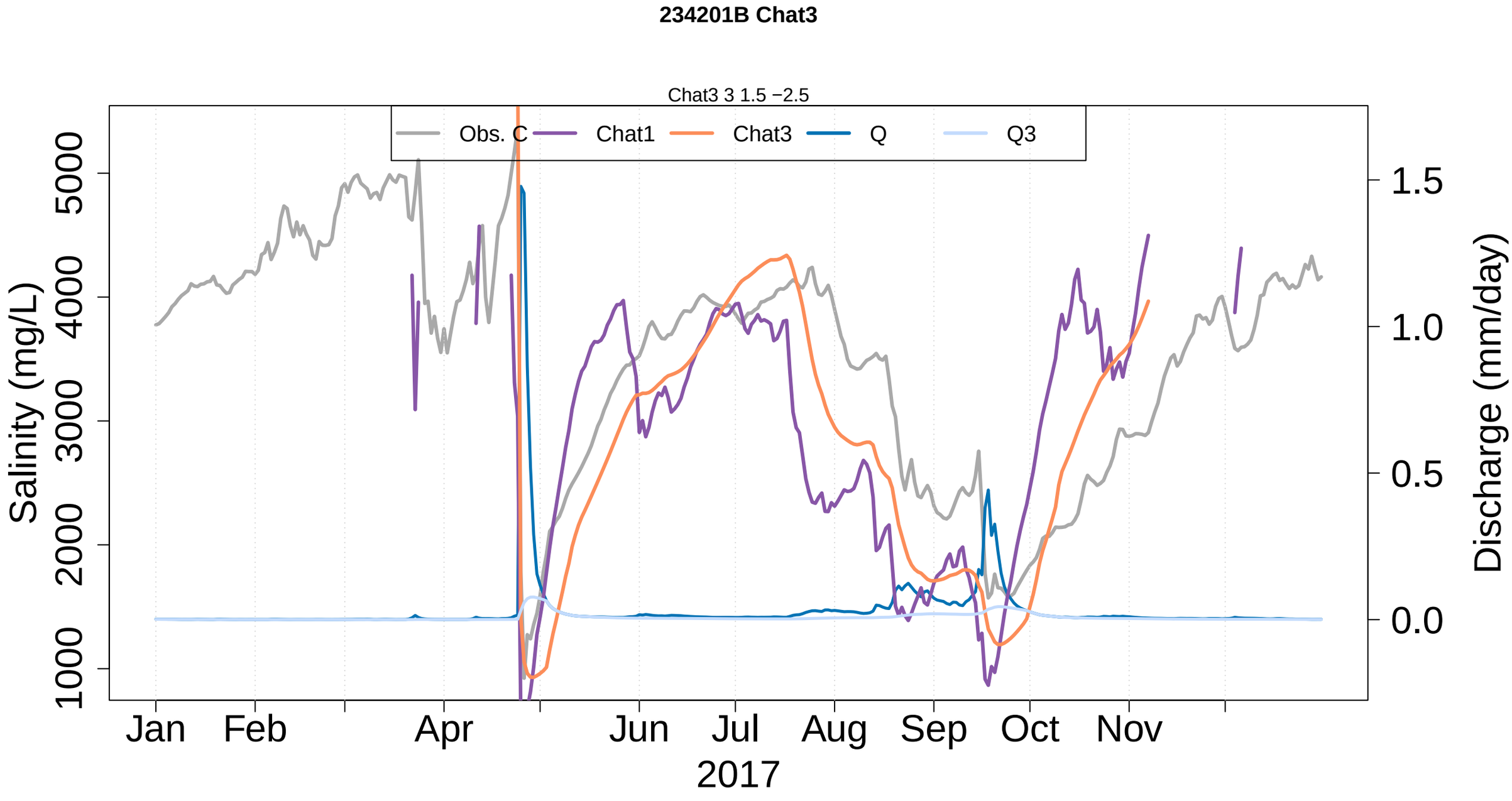
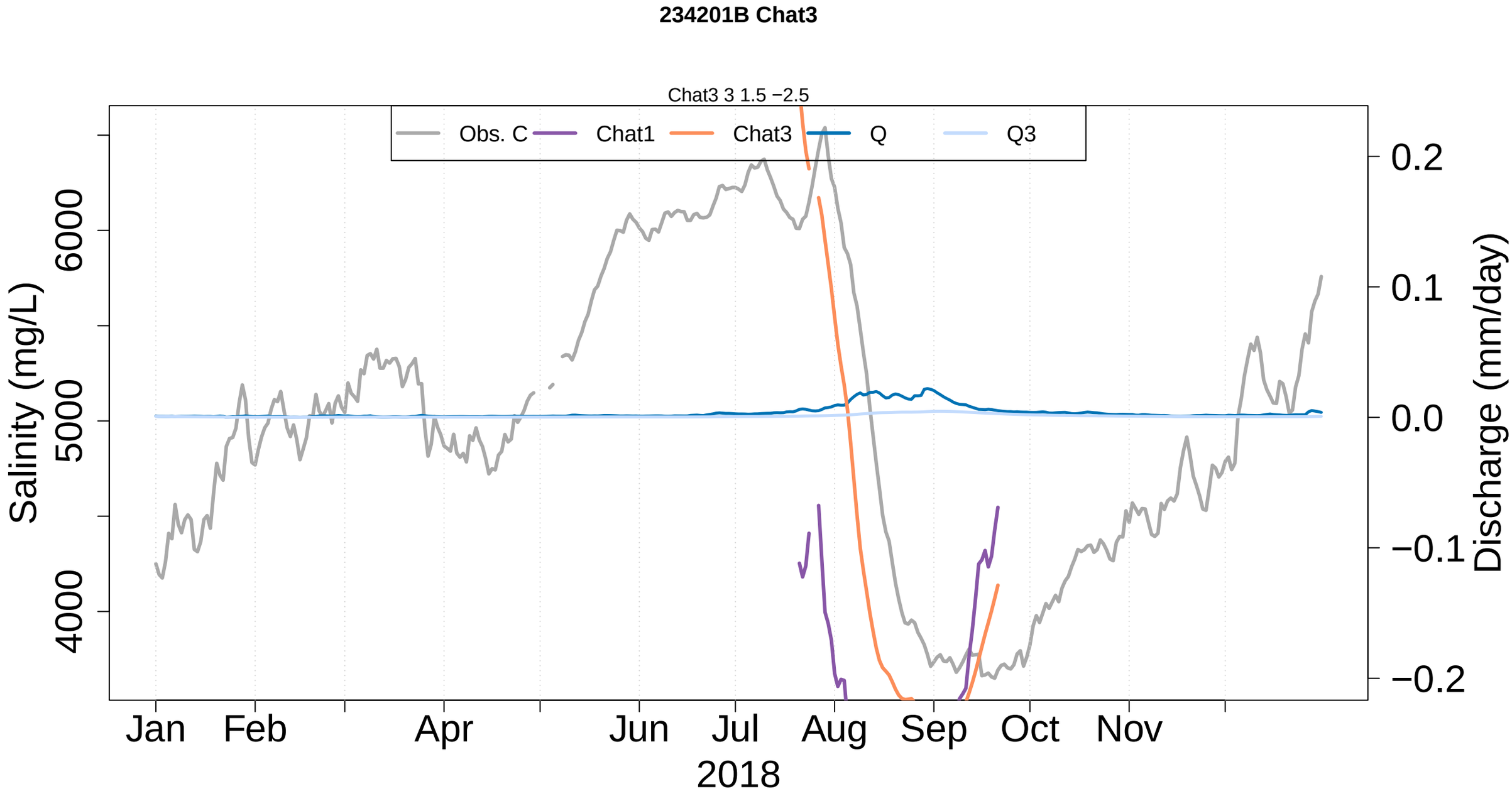
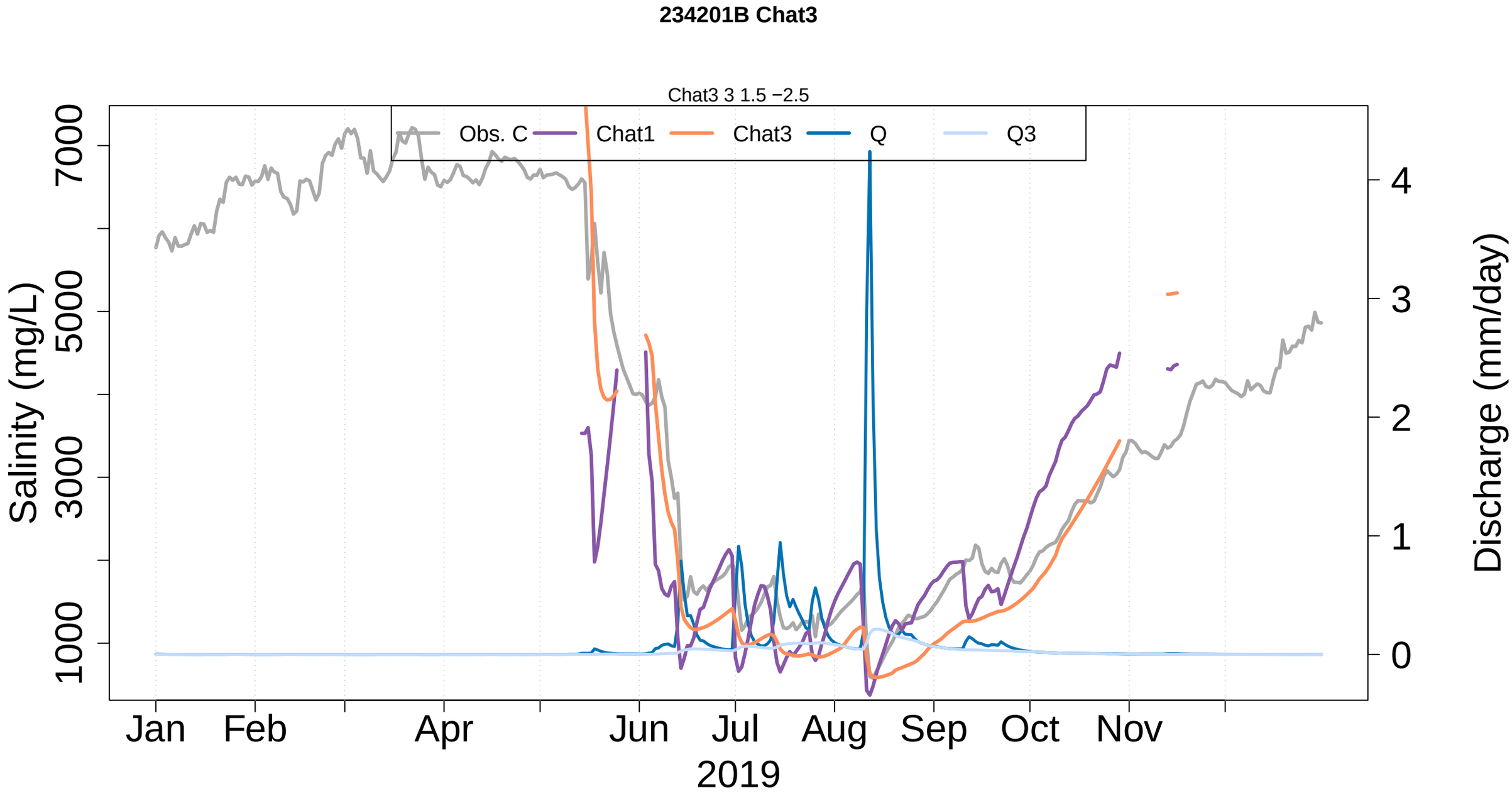
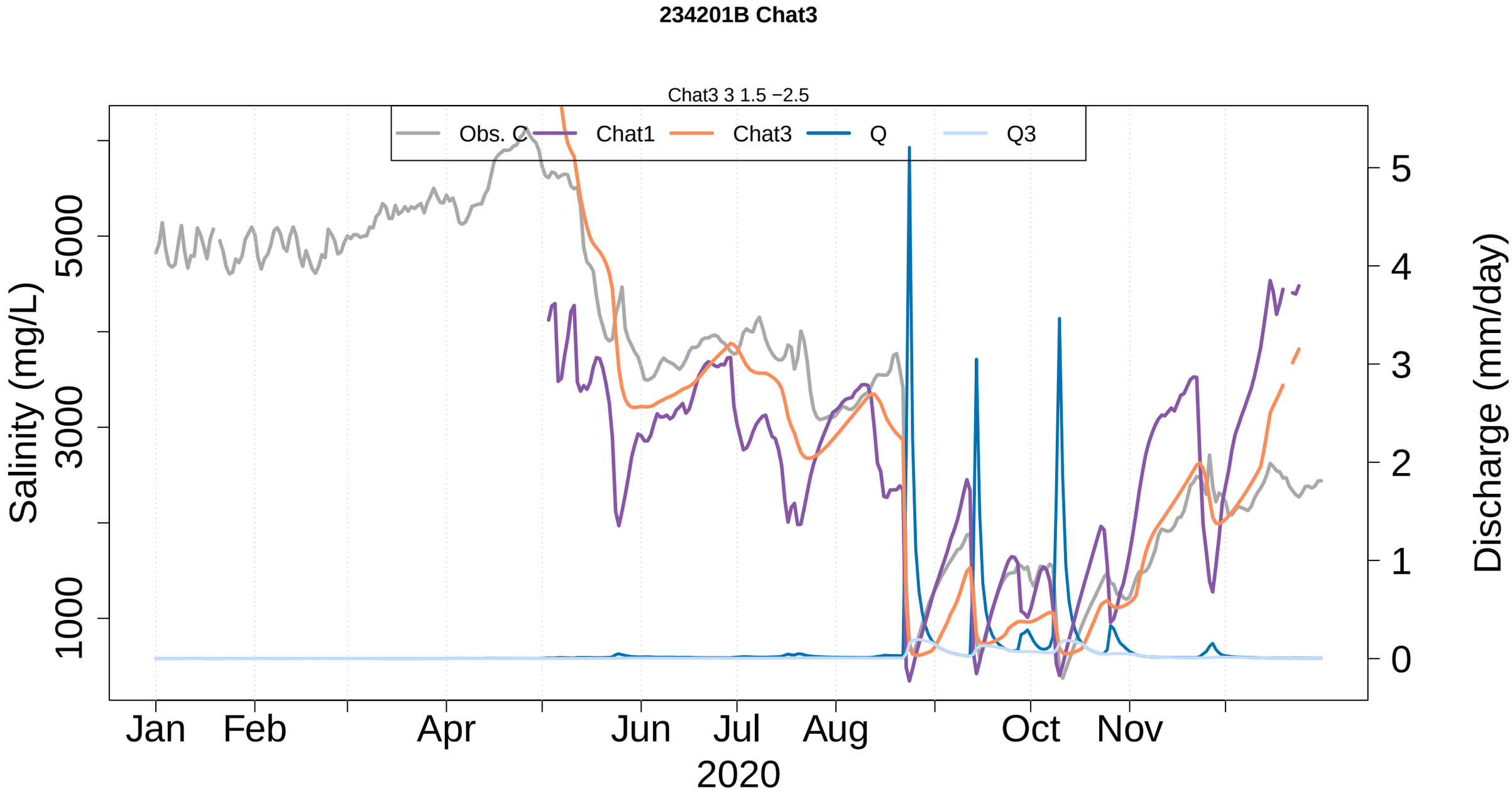
Aug
Oct
Nov
2016


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
1000
2000
3000
4000
5000
Discharge (mm/day)
0.0
0.5
1.0
1.5
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
2017


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
4000
5000
6000
Discharge (mm/day)
0.2
0.1
0.0
−0.1
−0.2
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
2018


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
7000
5000
3000
1000
Discharge (mm/day)
4
3
2
1
0
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
2019


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
1000
3000
5000
Discharge (mm/day)
0
1
2
3
4
5
Jan
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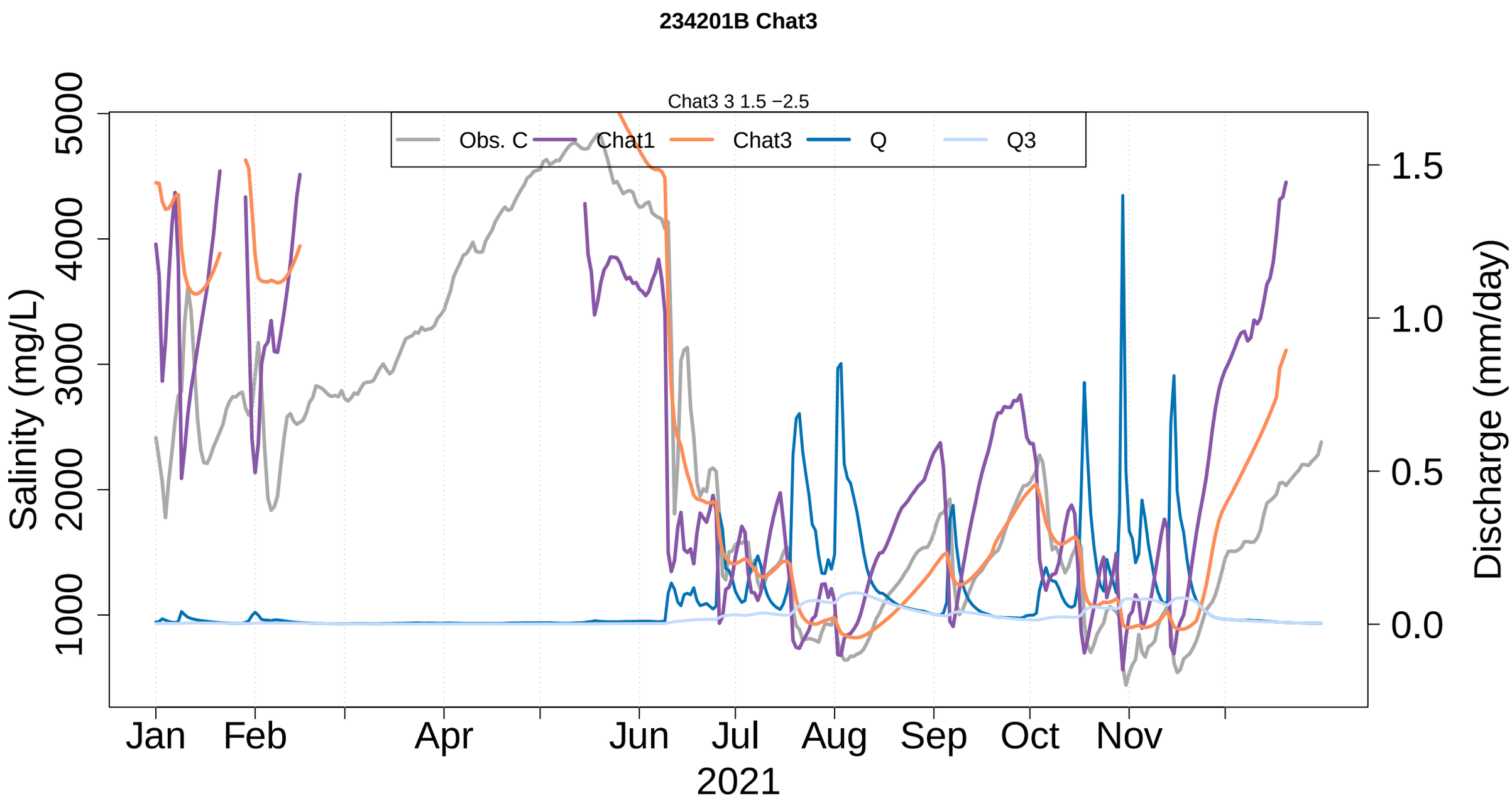
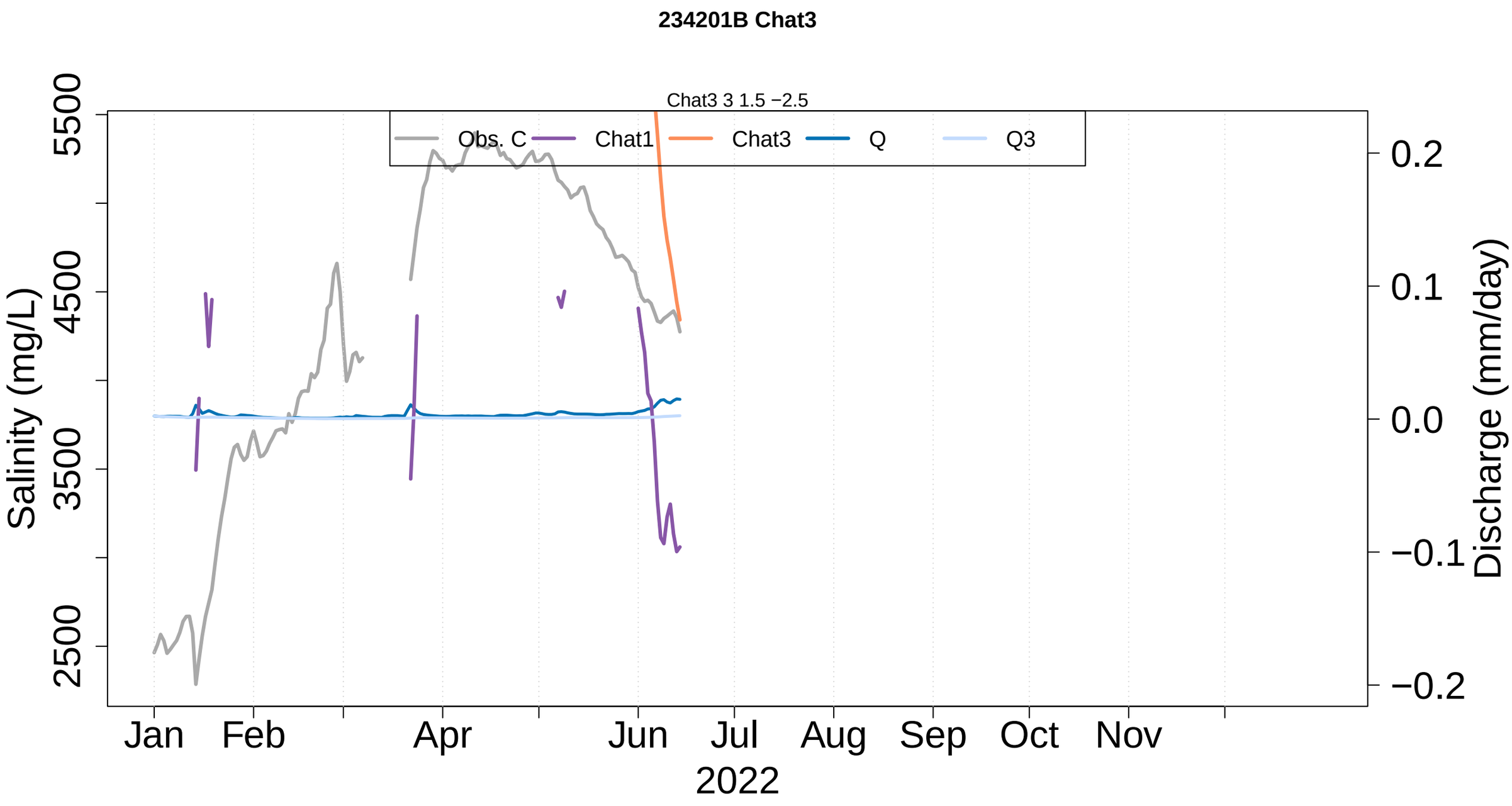
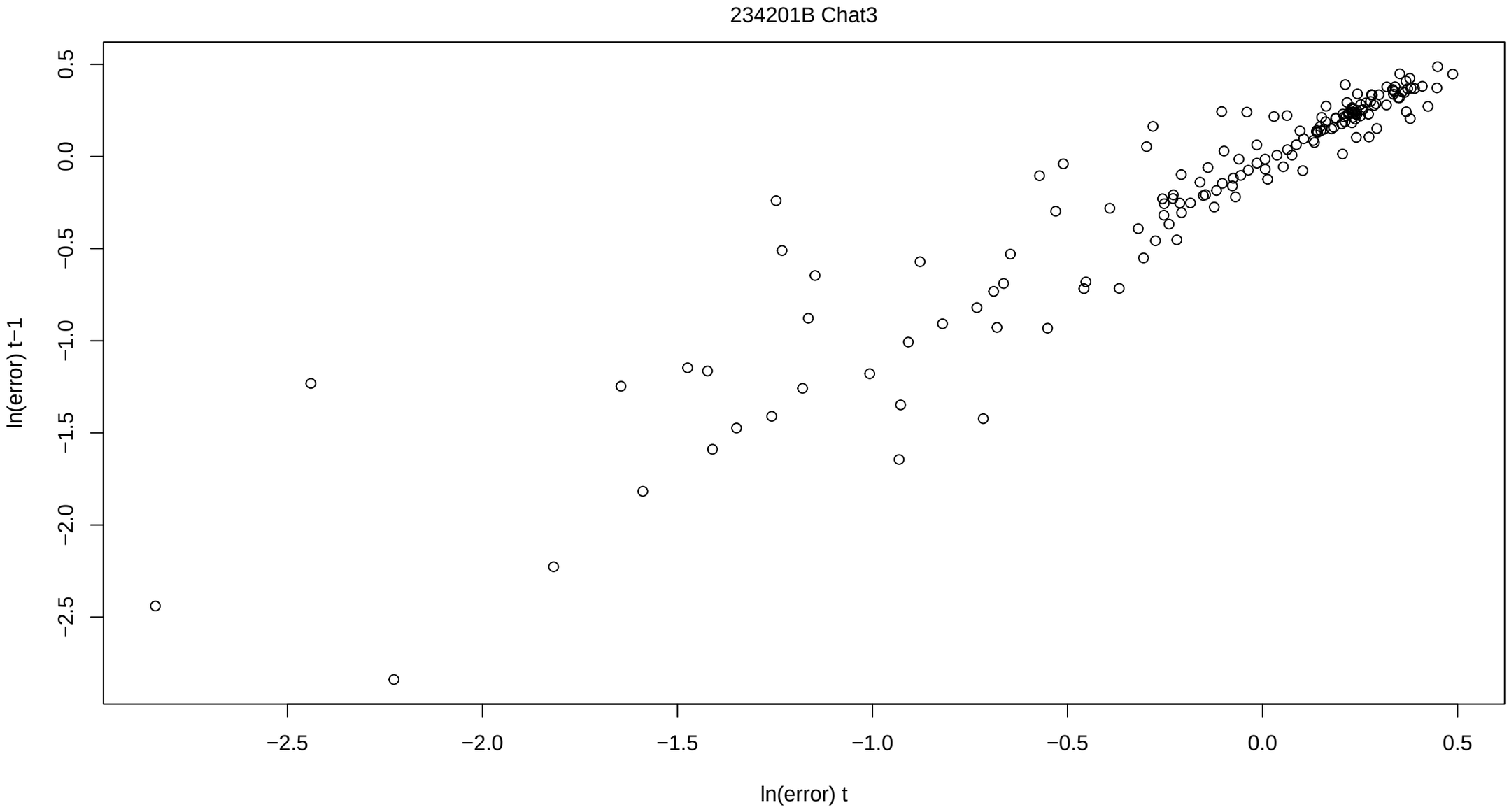
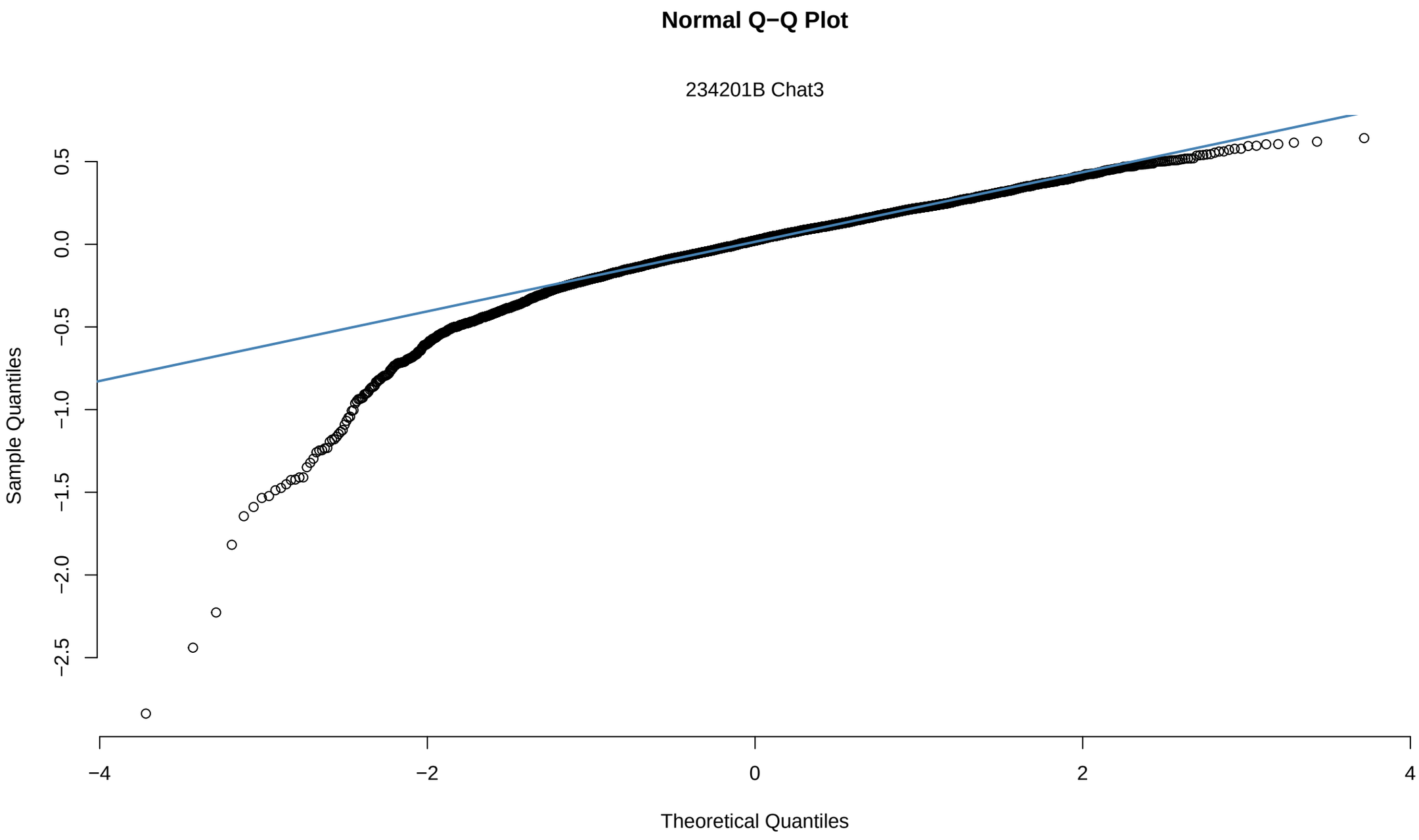
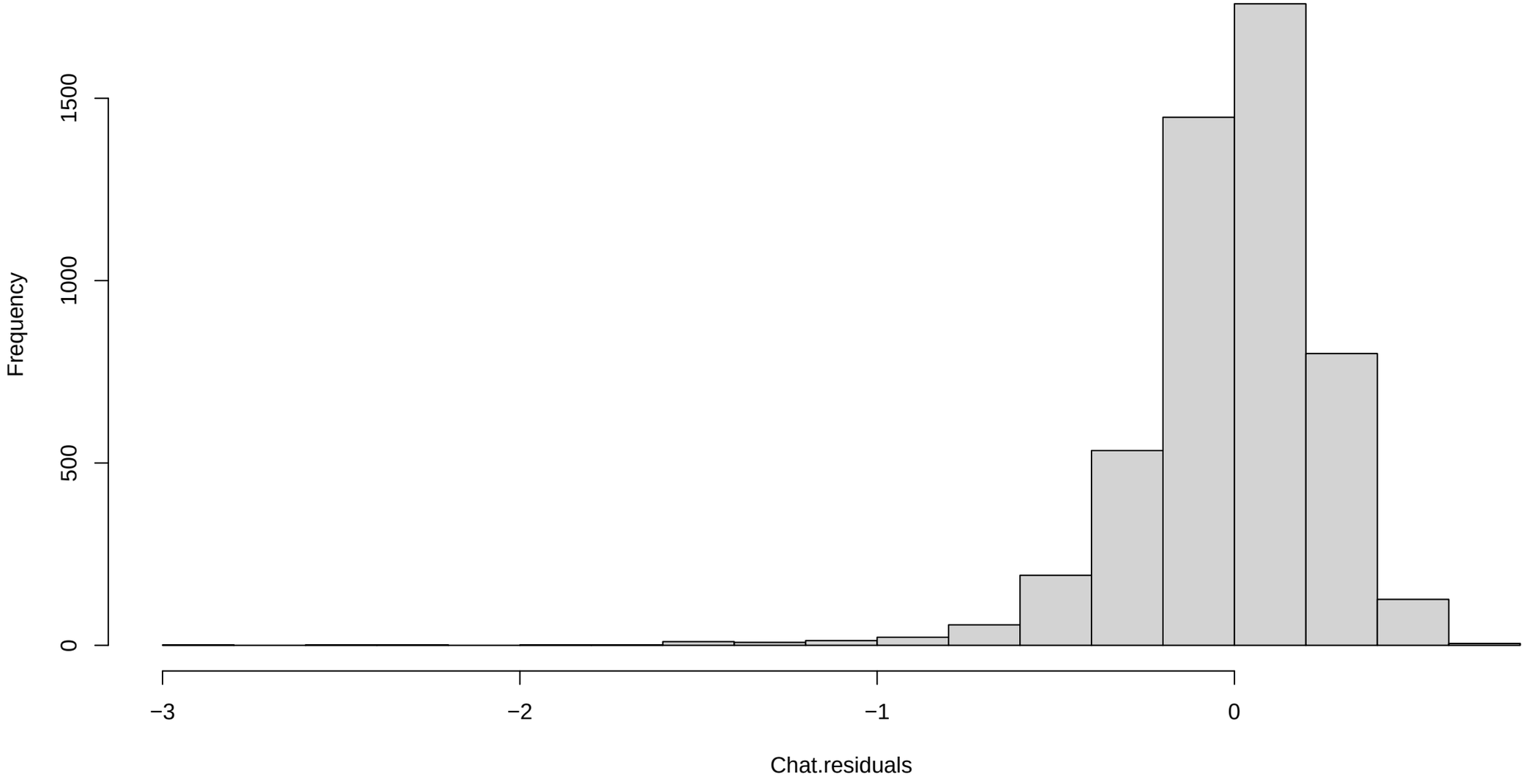
Aug
Oct
Nov
2020


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
1000
2000
3000
4000
5000
Discharge (mm/day)
0.0
0.5
1.0
1.5
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
2021


234201B Chat3
Chat3 3 1.5 −2.5
Obs. C
Chat1
Chat3
Q
Q3
Salinity (mg/L)
5500
4500
3500
2500
Discharge (mm/day)
0.2
0.1
0.0
−0.1
−0.2
Jan
Feb
Apr
Jun
Jul
Aug
Sep
Oct
Nov
2022


234201B Chat3
ln(error) t−1
ln(error) t
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
0.5


Normal Q−Q Plot
234201B Chat3
Sample Quantiles
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
−4
−2
0
2
4
Theoretical Quantiles


Histogram of Chat.residuals
234201B Chat3
Frequency
0
500
1000
1500
−3
−2
−1
0
Chat.residuals