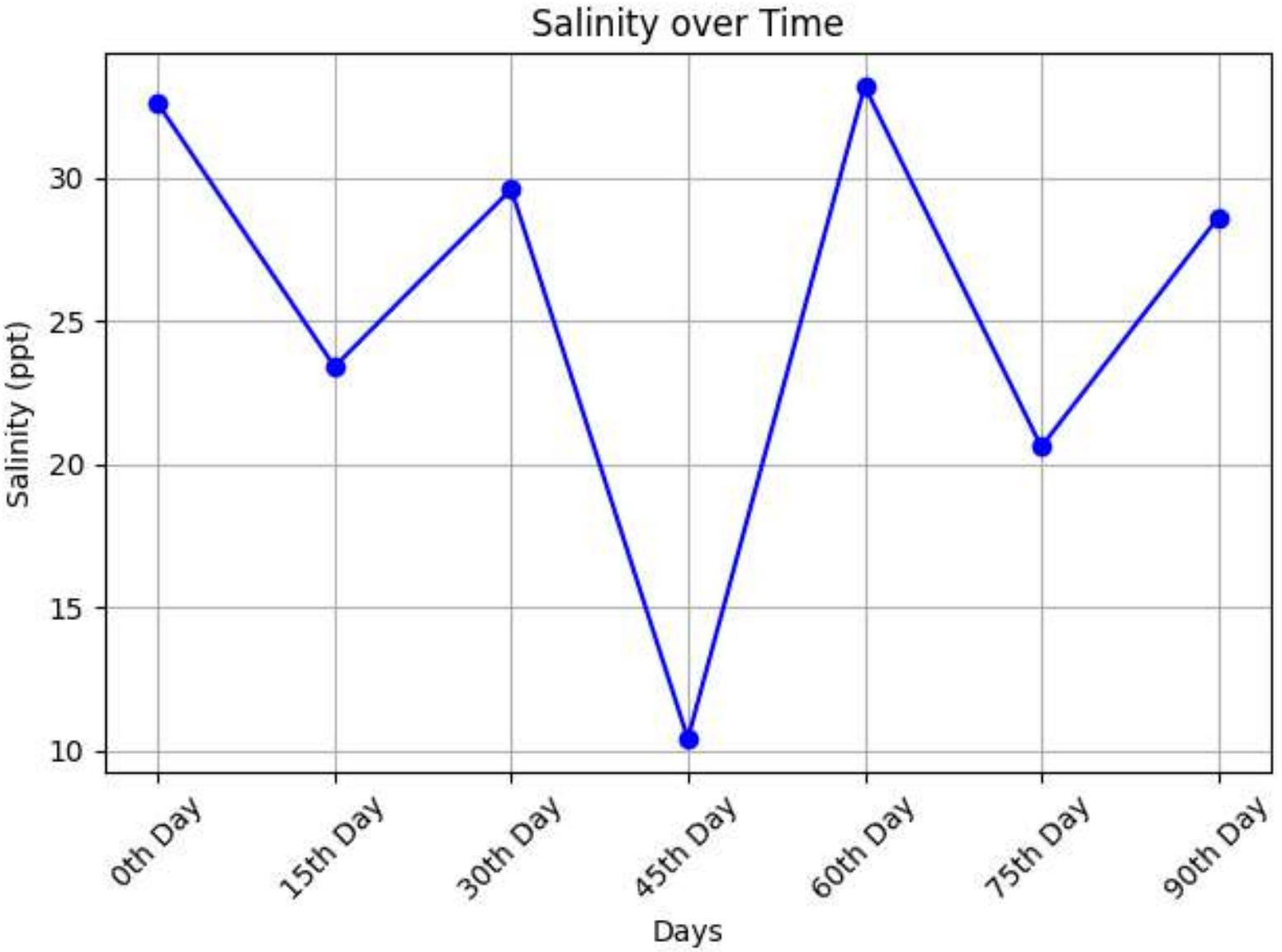
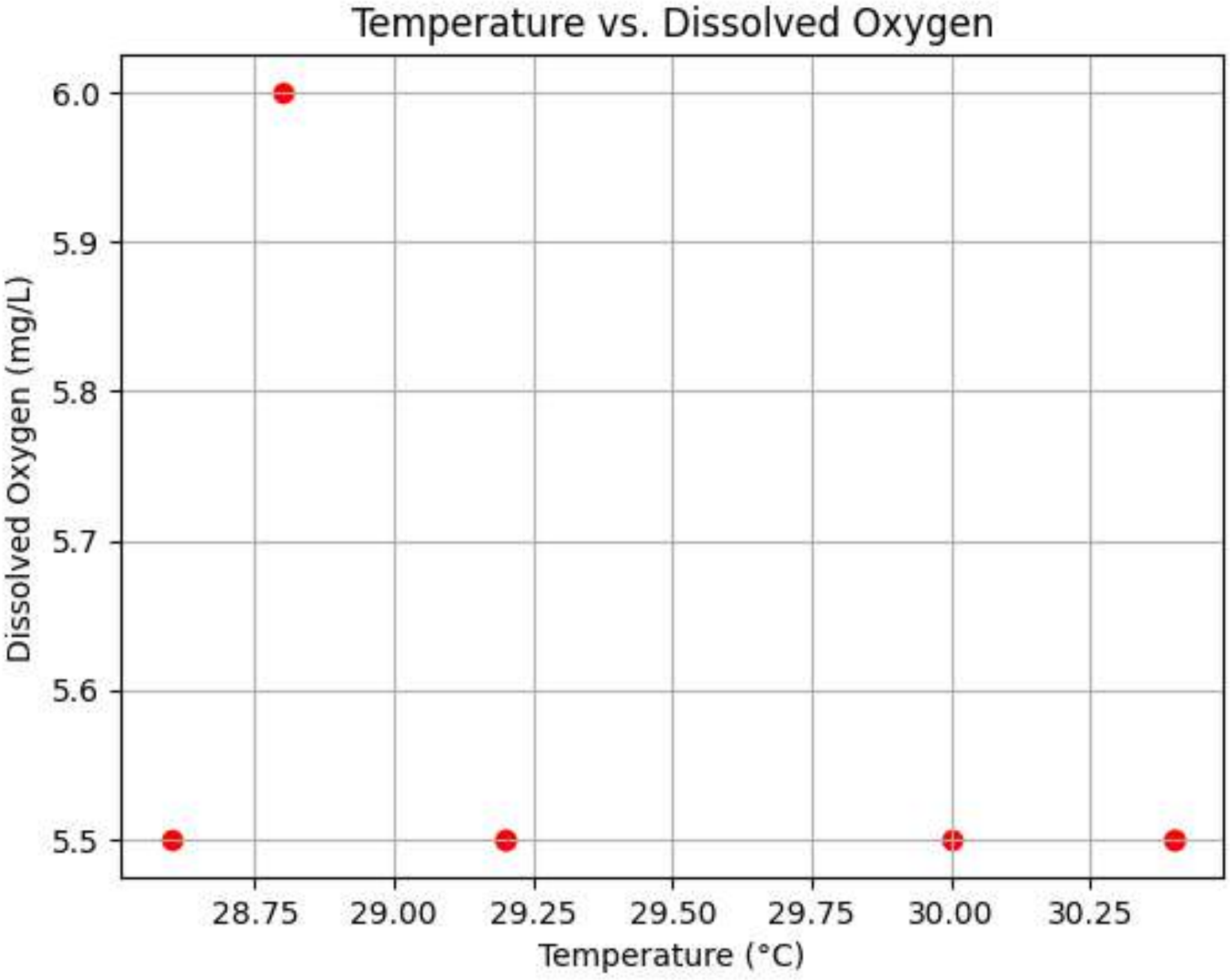
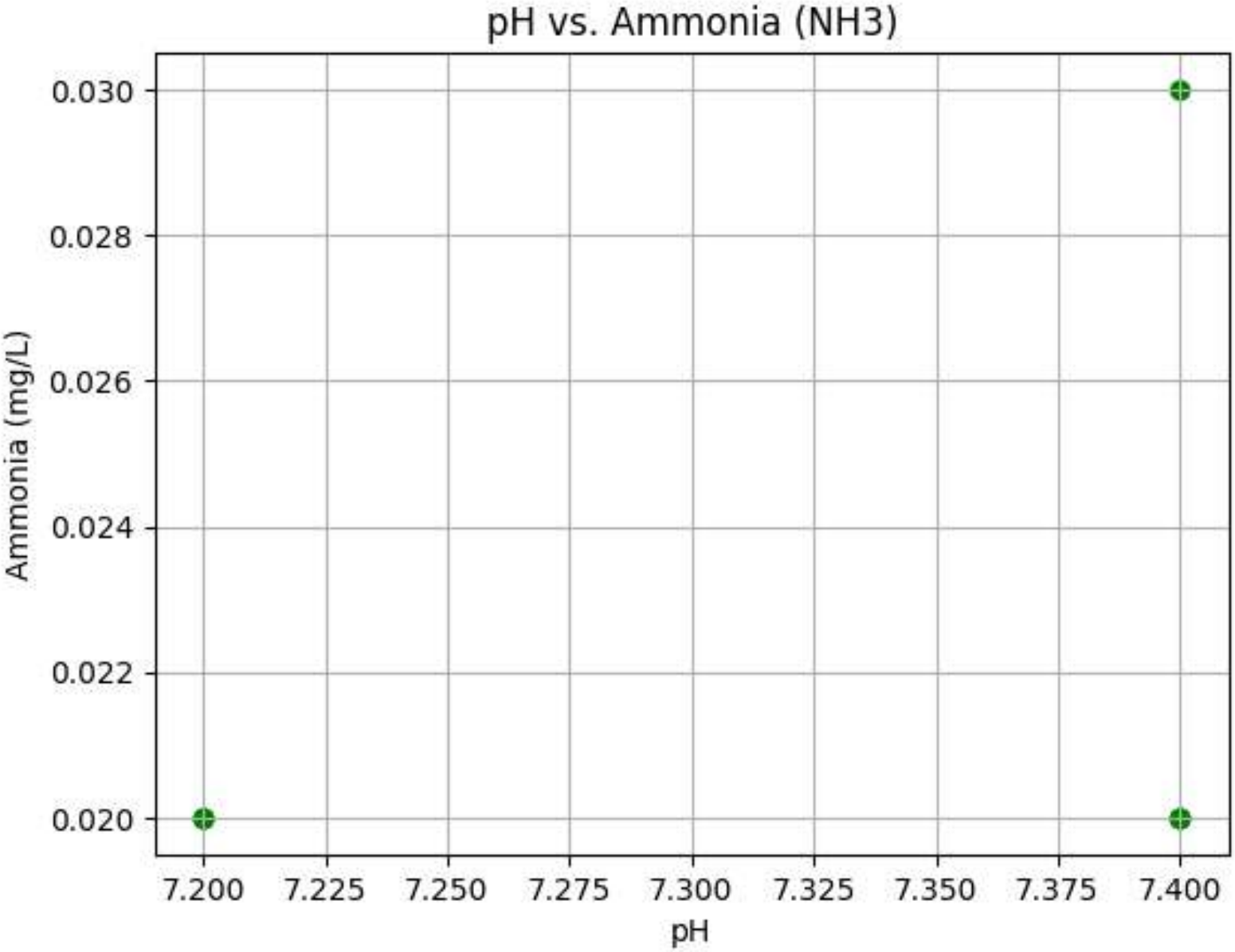
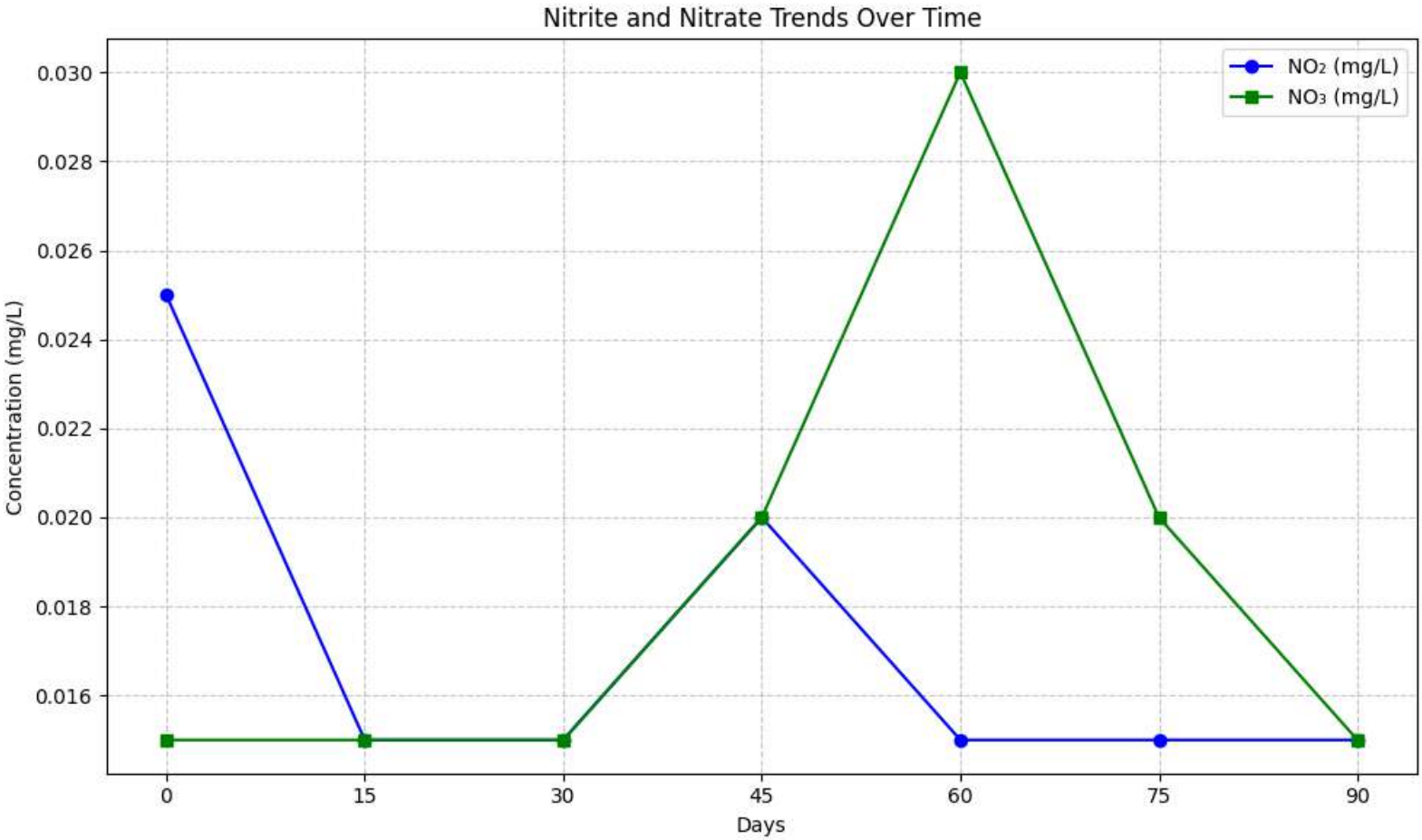
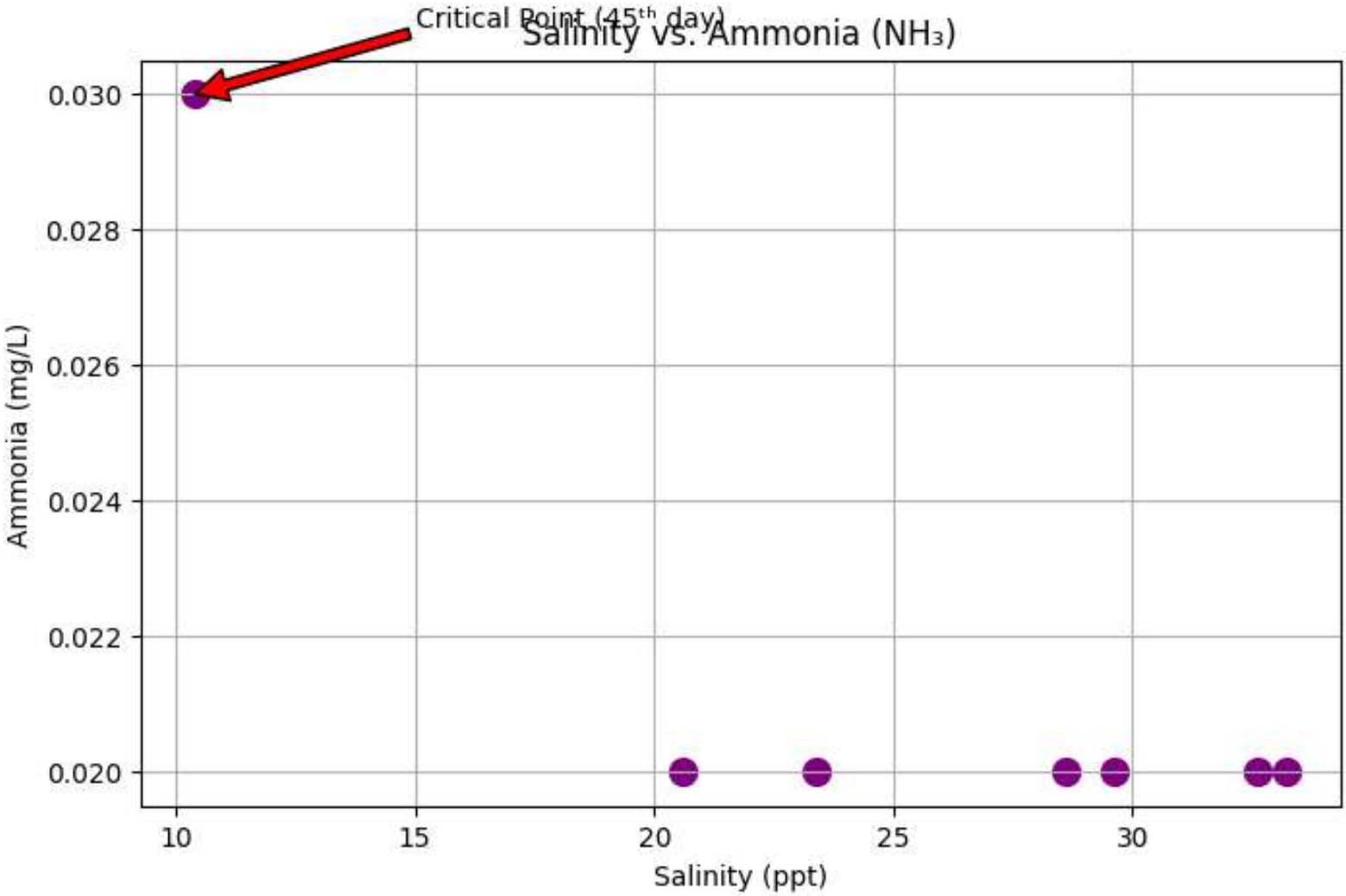
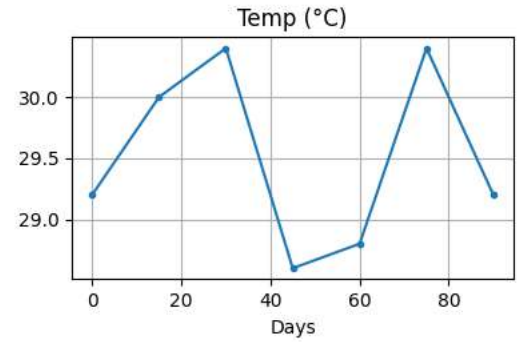

Salinity over Time
Salinity (ppt)
30
25
20
15
10
0th Day
15th Day
30th Day
45th Day
60th Day
75th Day
90th Day
Days

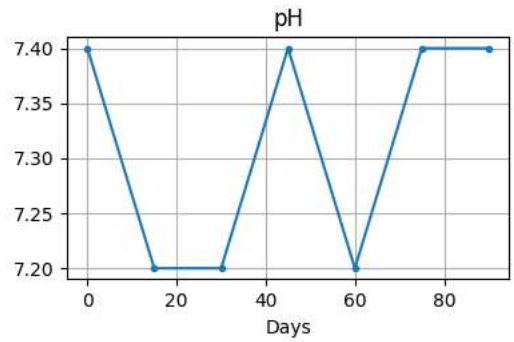

Temperature vs. Dissolved Oxygen
Dissolved Oxygen (mg/L)
6.0
5.9
5.8
5.7
5.6
5.5
28.75
29.00
29.25
29.50
29.75
30.00
30.25
Temperature (°C)

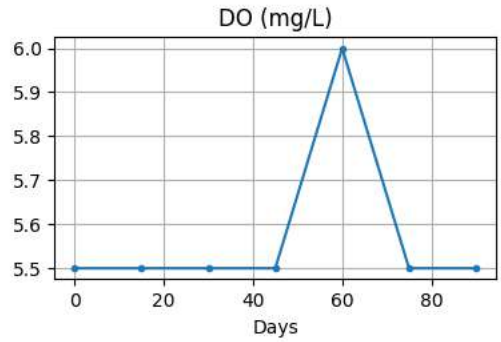

pH vs. Ammonia (NH3)
Ammonia (mg/L)
0.030
0.028
0.026
0.024
0.022
0.020
7.200
7.225
7.250
7.275
7.300
7.325
7.350
7.375
7.400
pH

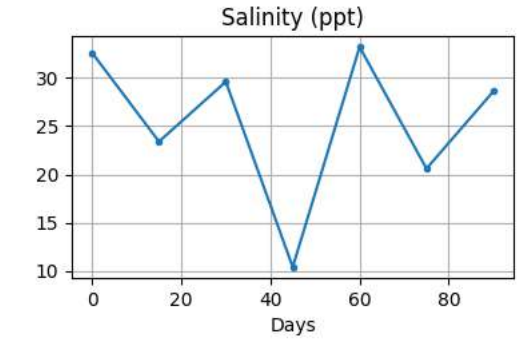

Nitrite and Nitrate Trends Over Time
NO₂ (mg/L)
NO₃ (mg/L)
Concentration (mg/L)
0.030
0.028
0.026
0.024
0.022
0.020
0.018
0.016
0
15
30
45
60
75
90
Days

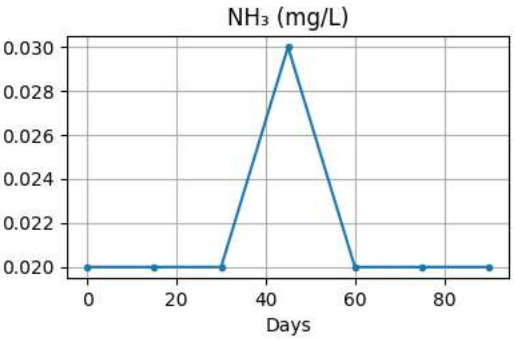

Critical Point (45th day)
Salinity vs. Ammonia (NH₃)
0.030
0.028
0.026
0.024
0.022
0.020
Ammonia (mg/L)
10
15
20
25
30
Salinity (ppt)

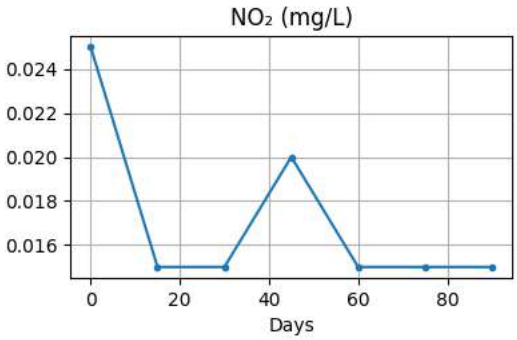

Temp (°C)
30.0
29.5
29.0
0
20
40
60
80
Days

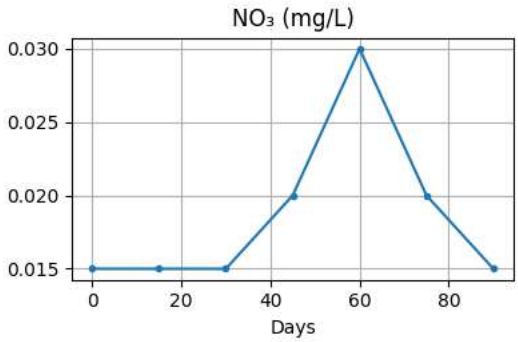

pH
7.40
7.35
7.30
7.25
7.20
0
20
40
60
80
Days

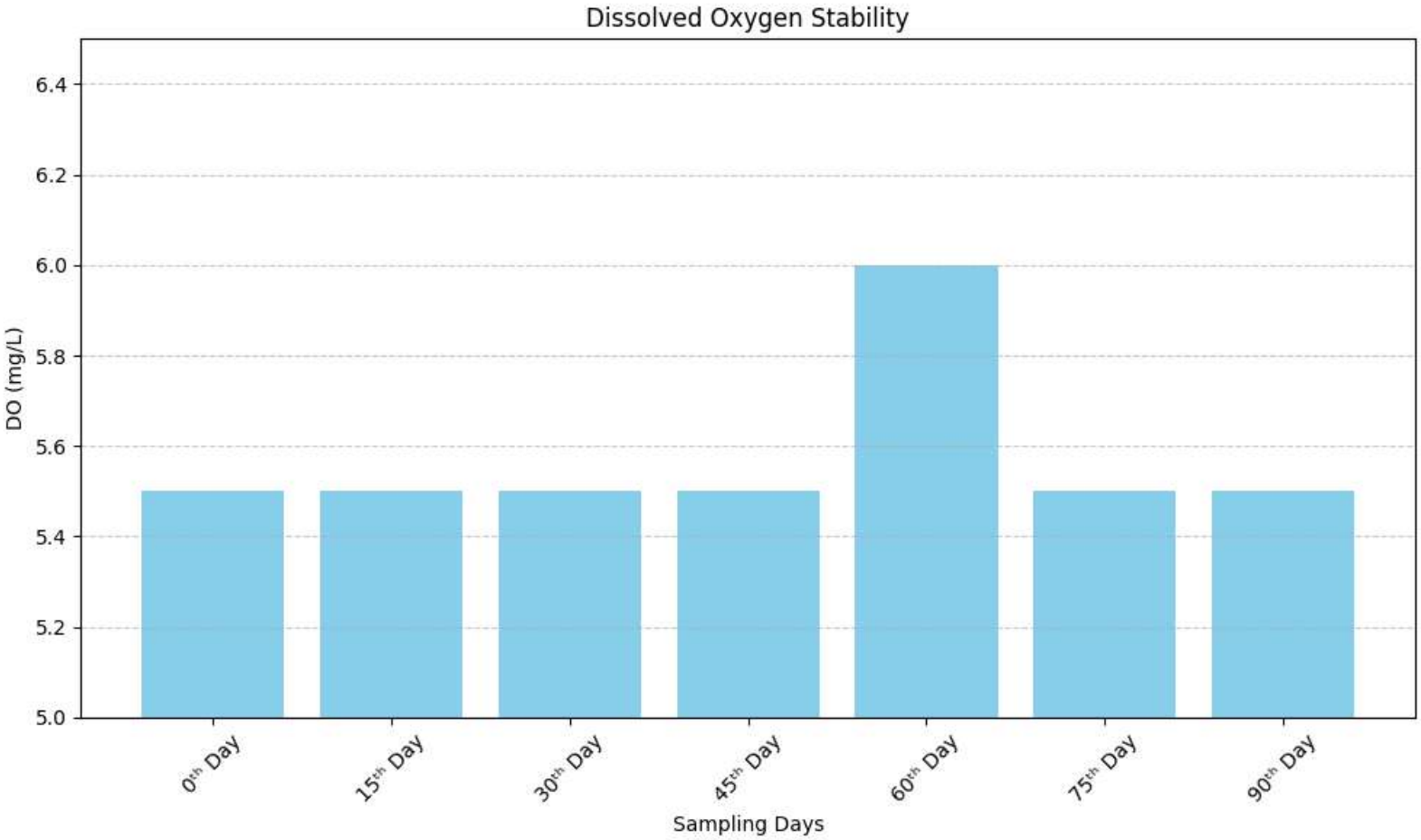

DO (mg/L)
6.0
5.9
5.8
5.7
5.6
5.5
0
20
40
60
80
Days

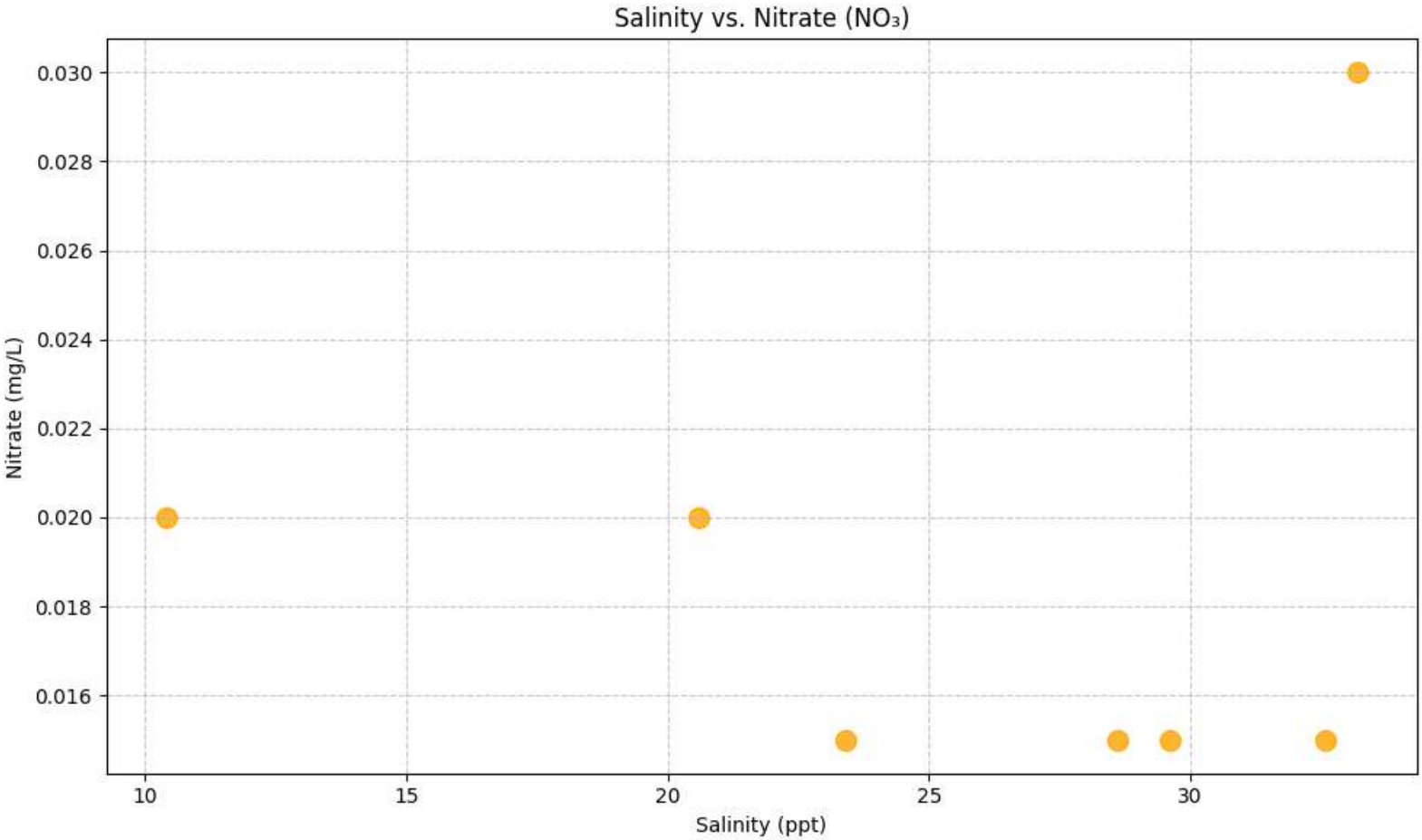

Salinity (ppt)
30
25
20
15
10
0
20
40
60
80
Days

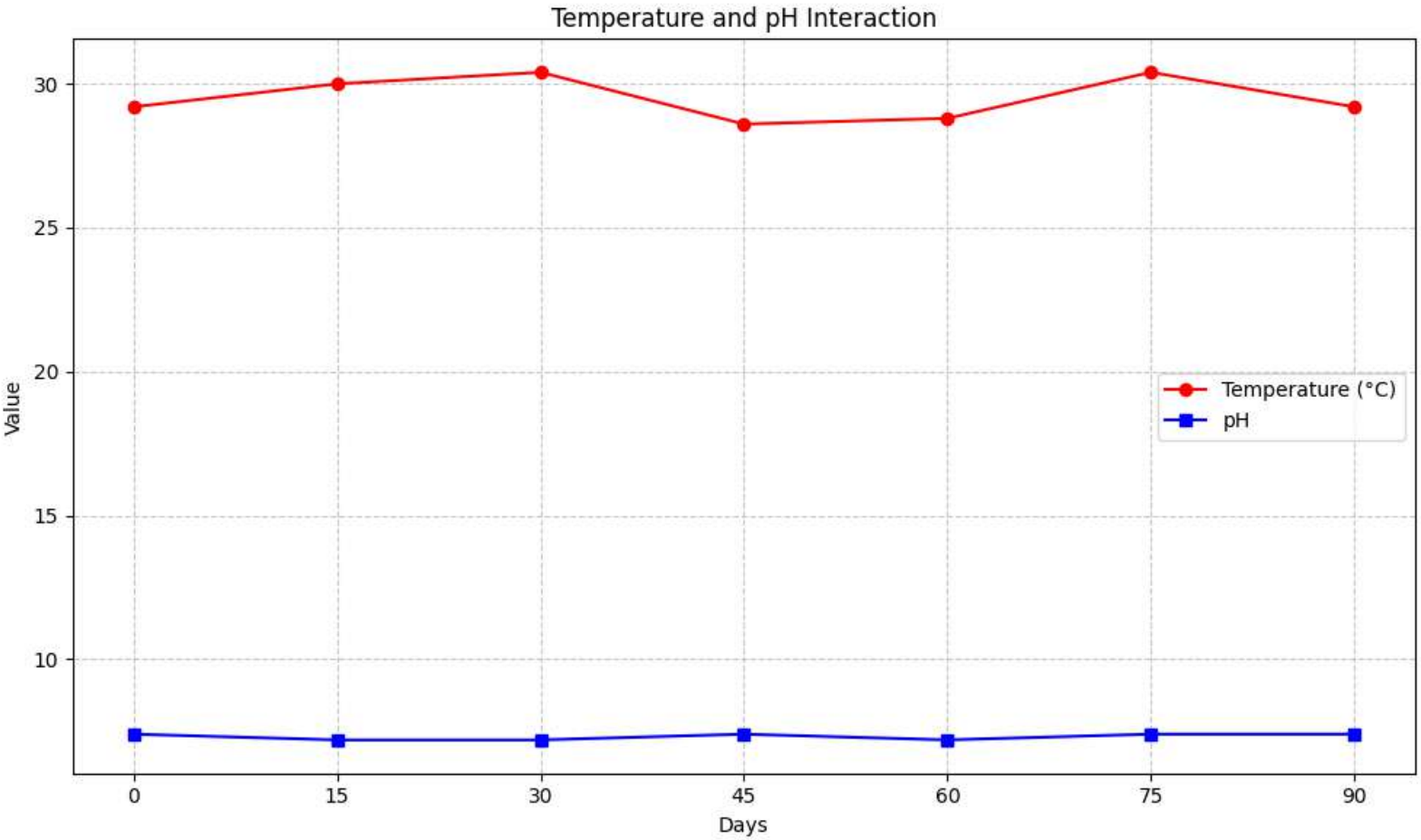

NH₃ (mg/L)
0.030
0.028
0.026
0.024
0.022
0.020
0
20
40
60
80
Days

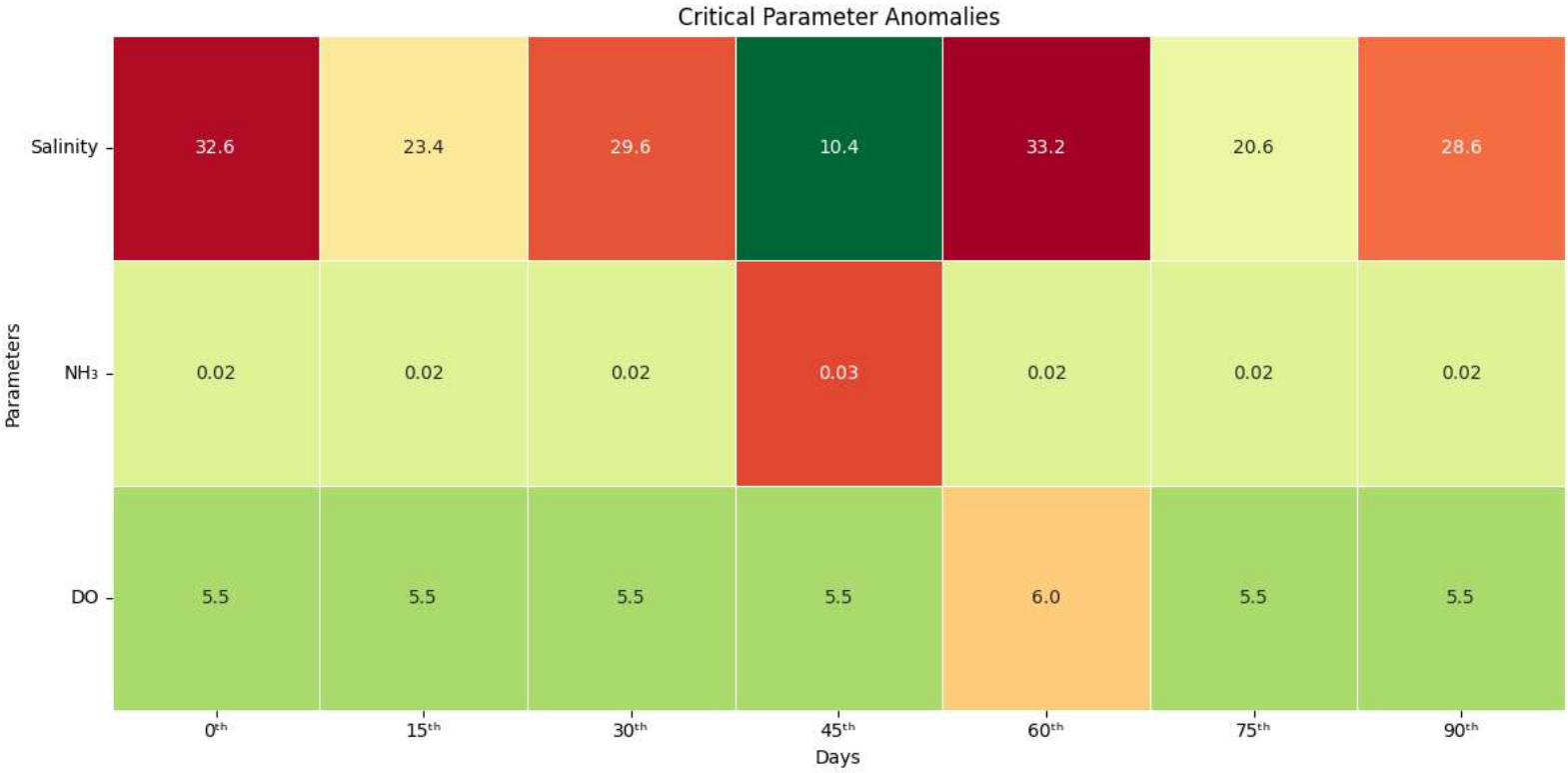

NO₂ (mg/L)
0.024
0.022
0.020
0.018
0.016
0
20
40
60
80
Days


NO₃ (mg/L)
0.030
0.025
0.020
0.015
0
20
40
60
80
Days


Dissolved Oxygen Stability
DO (mg/L)
6.4
6.2
6.0
5.8
5.6
5.4
5.2
5.0
0th Day
15th Day
30th Day
45th Day
60th Day
75th Day
90th Day
Sampling Days


Salinity vs. Nitrate (NO₃)
Nitrate (mg/L)
0.030
0.028
0.026
0.024
0.022
0.020
0.018
0.016
10
15
20
25
30
Salinity (ppt)


Temperature and pH Interaction
Value
Days
Temperature (°C)
pH
30
25
20
15
10
0
15
30
45
60
75
90


Critical Parameter Anomalies
Salinity
NH3
DO
Parameters
32.6
23.4
29.6
10.4
33.2
20.6
28.6
0.02
0.02
0.02
0.03
0.02
0.02
0.02
5.5
5.5
5.5
5.5
6.0
5.5
5.5
0th
15th
30th
45th
60th
75th
90th
Days