

FINAL

**BACK RIVER NUTRIENTS TMDLS**

**APPENDIX 1**

**PART B**

FINAL

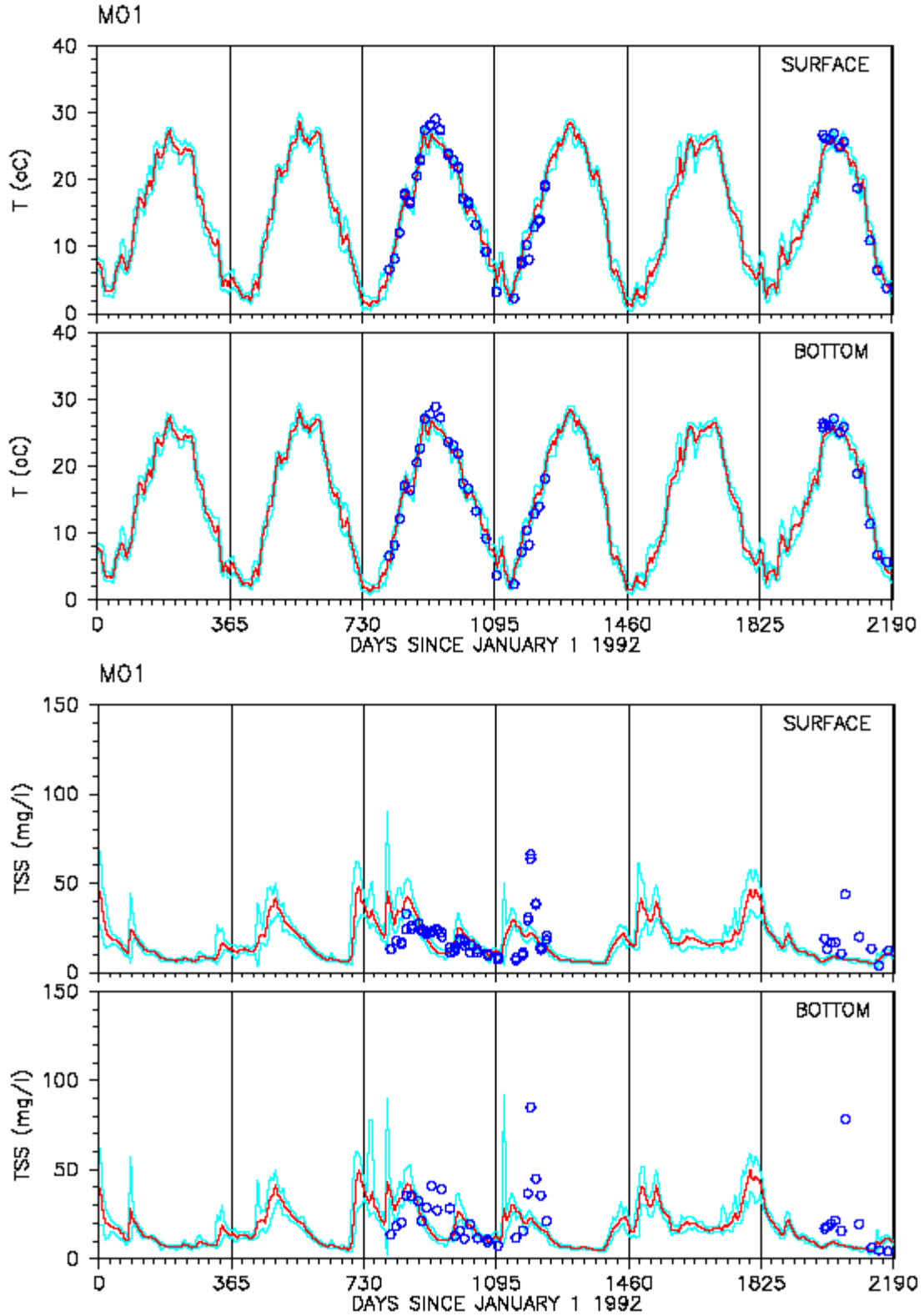


Fig. 1. Time series comparison of model calibration results and data for temperature and total suspended solids in Back River (M01)

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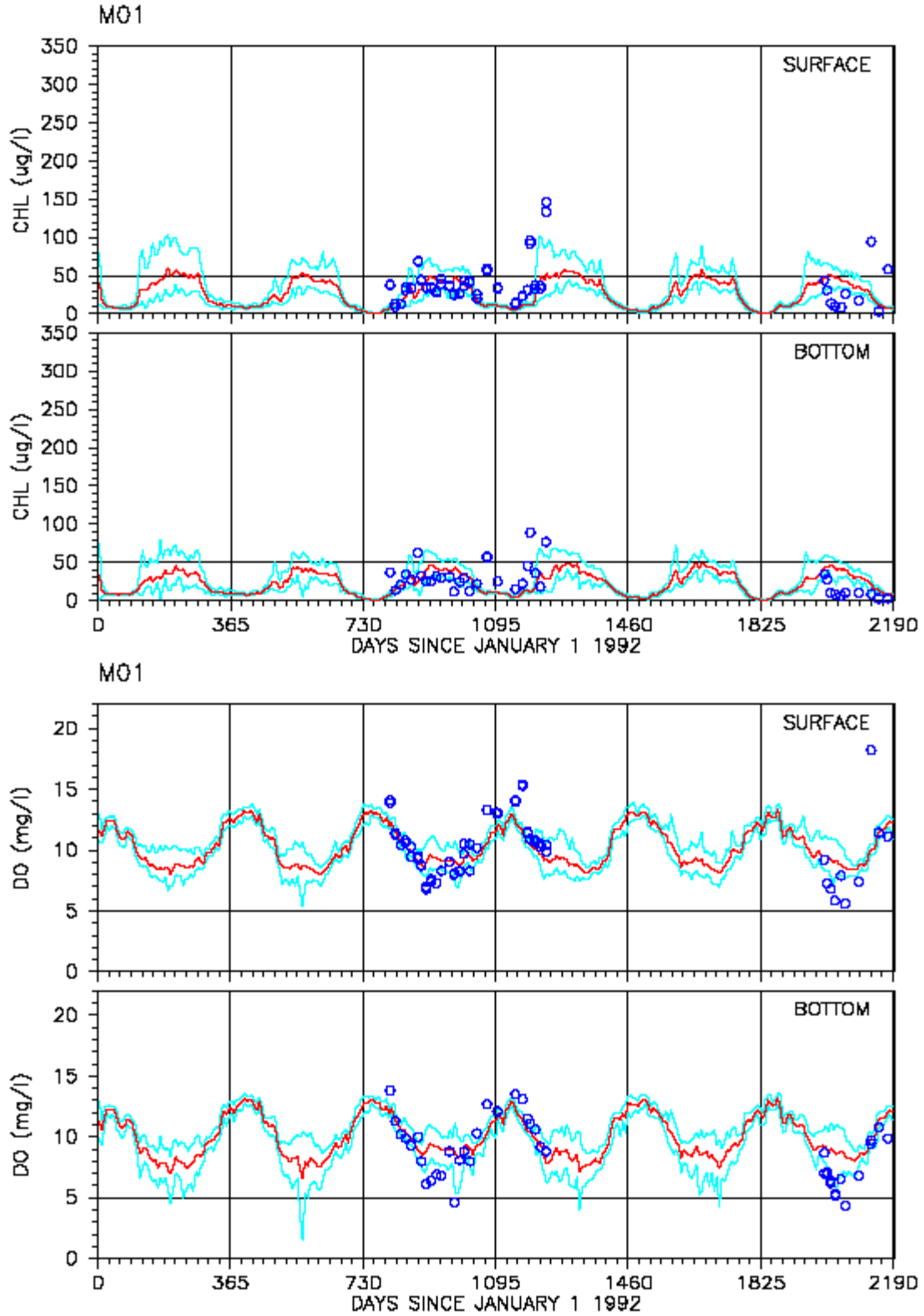


Fig. 2. Time series comparison of model calibration results and data for chlorophyll a and dissolved oxygen in Back River (M01)

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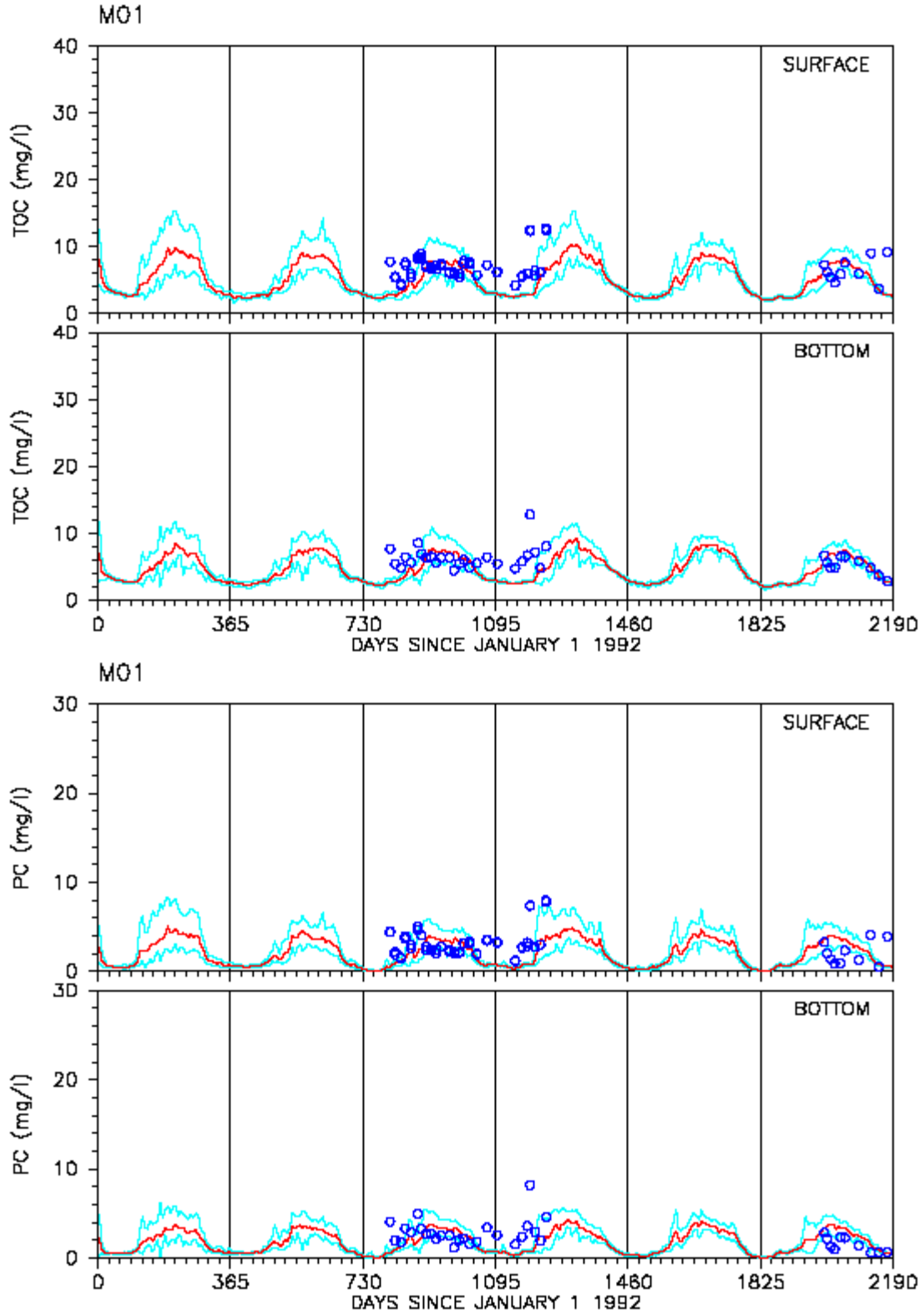


Fig. 3. Time series comparison of model calibration results and data for total organic carbon and particulate organic carbon in Back River (M01)

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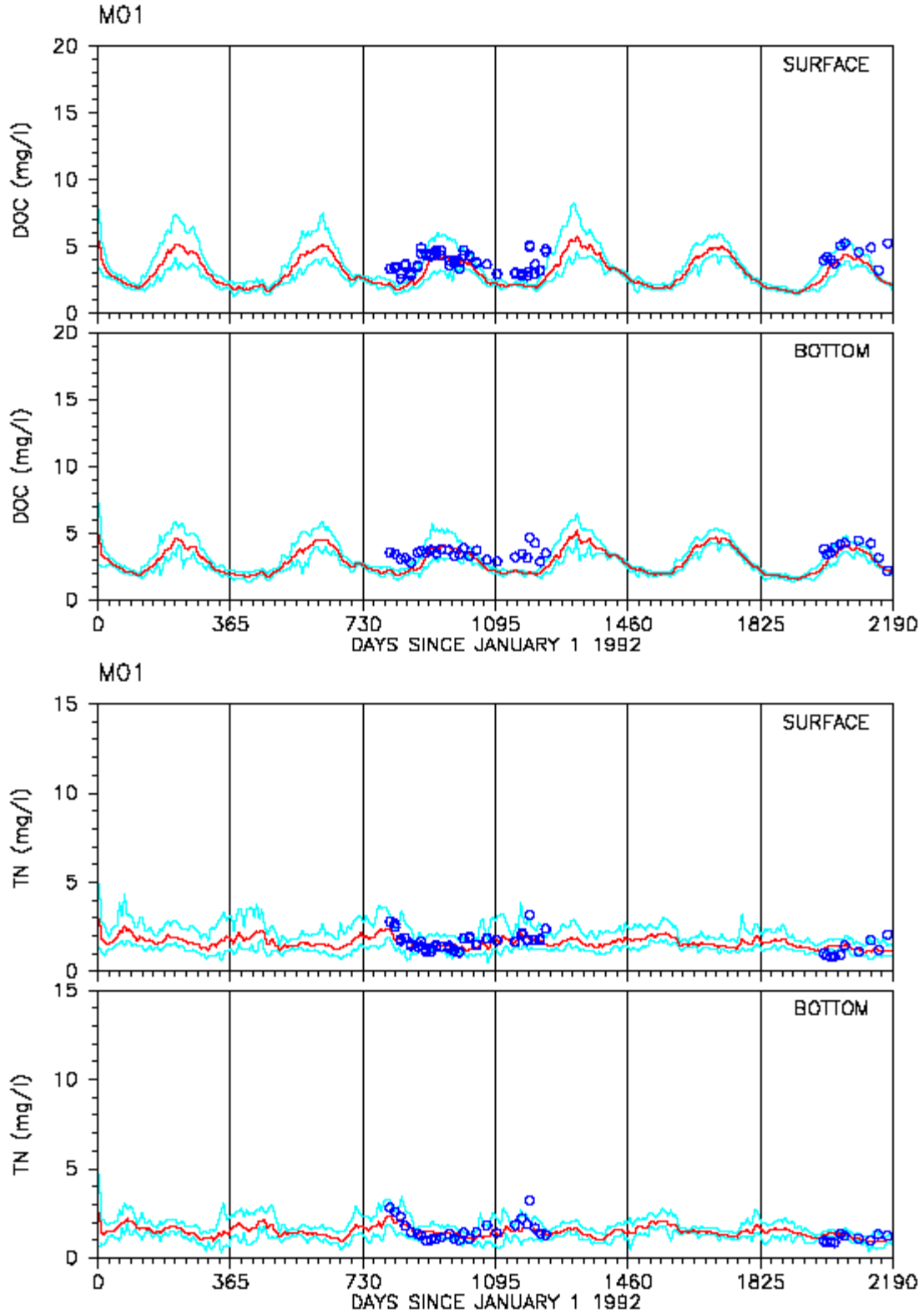


Fig. 4. Time series comparison of model calibration results and data for dissolved organic carbon and total nitrogen in Back River (M01)

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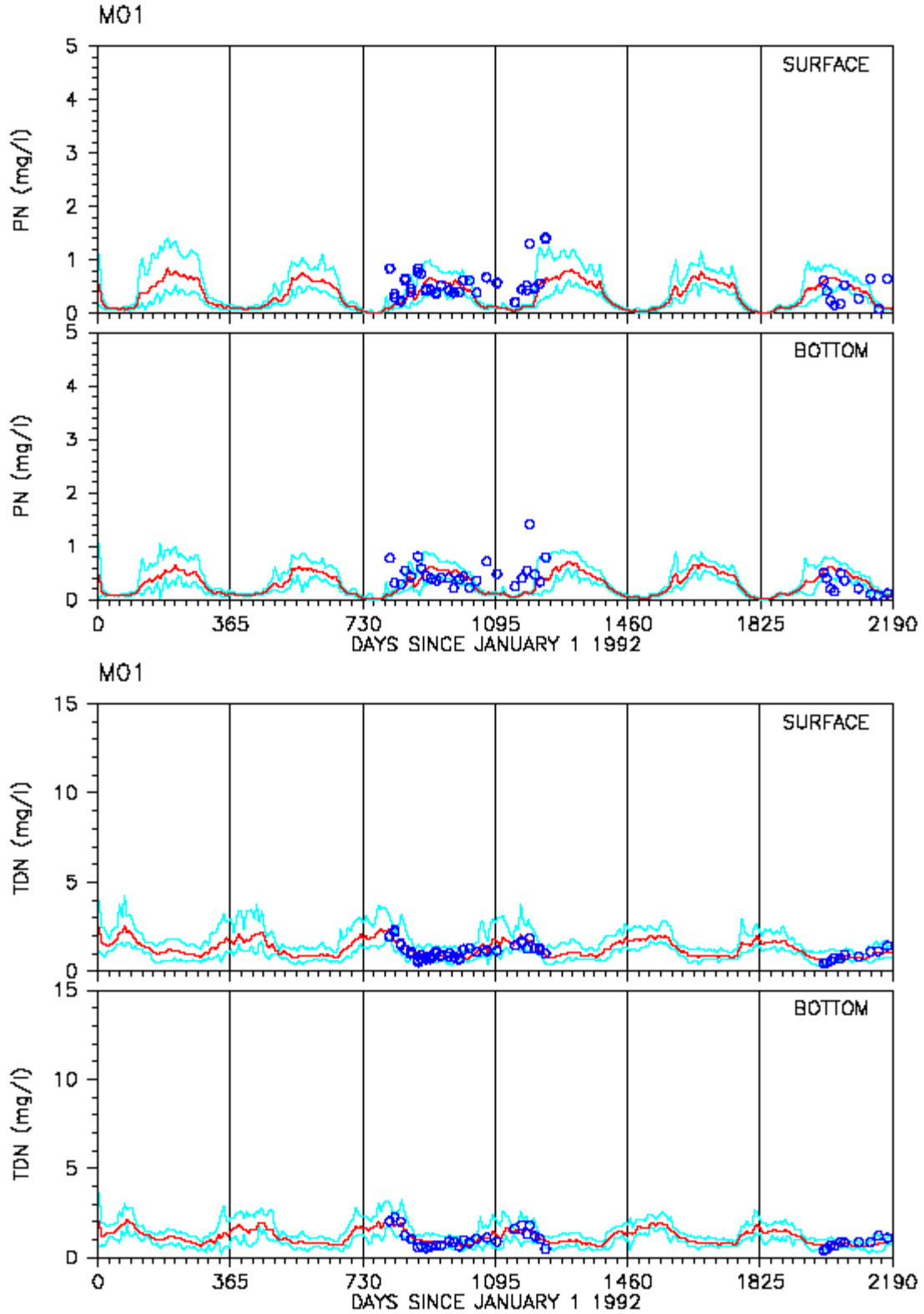


Fig. 5. Time series comparison of model calibration results and data for particulate nitrogen and total dissolved nitrogen in Back River (M01)

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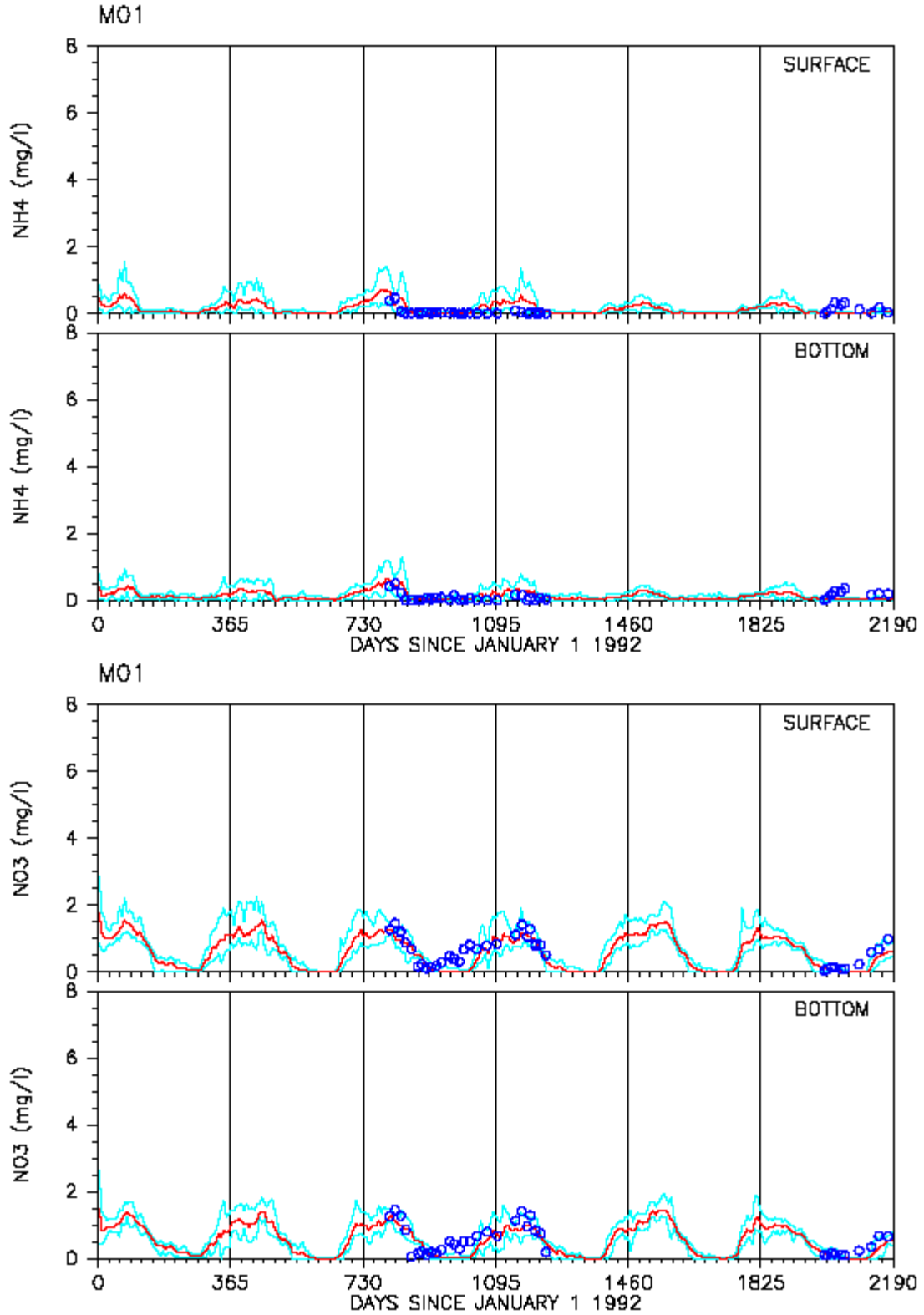


Fig. 6. Time series comparison of model calibration results and data for ammonia and nitrate nitrogen in Back River (M01)

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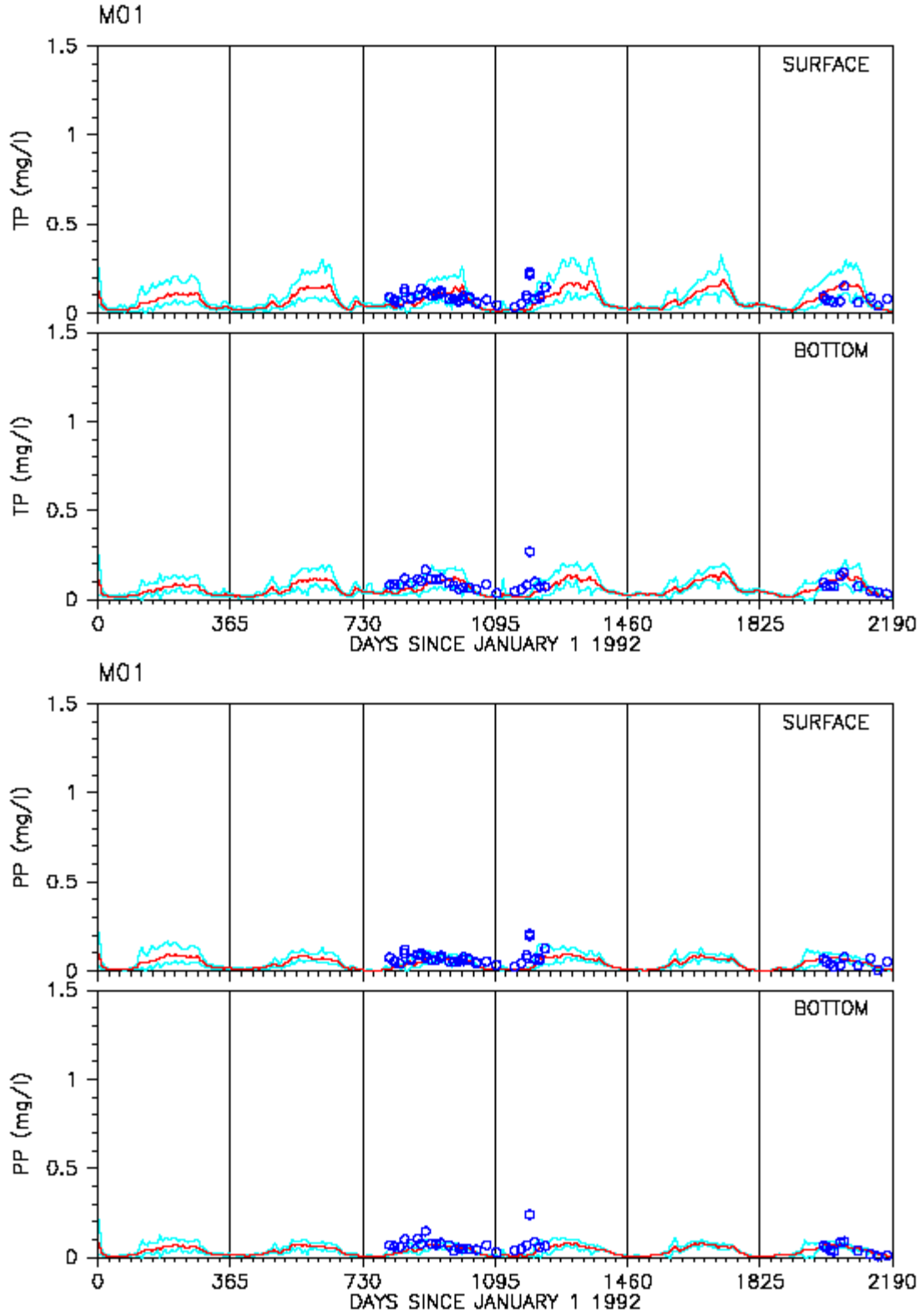


Fig. 7. Time series comparison of model calibration results and data for total phosphorus and particulate phosphorus in Back River (M01)



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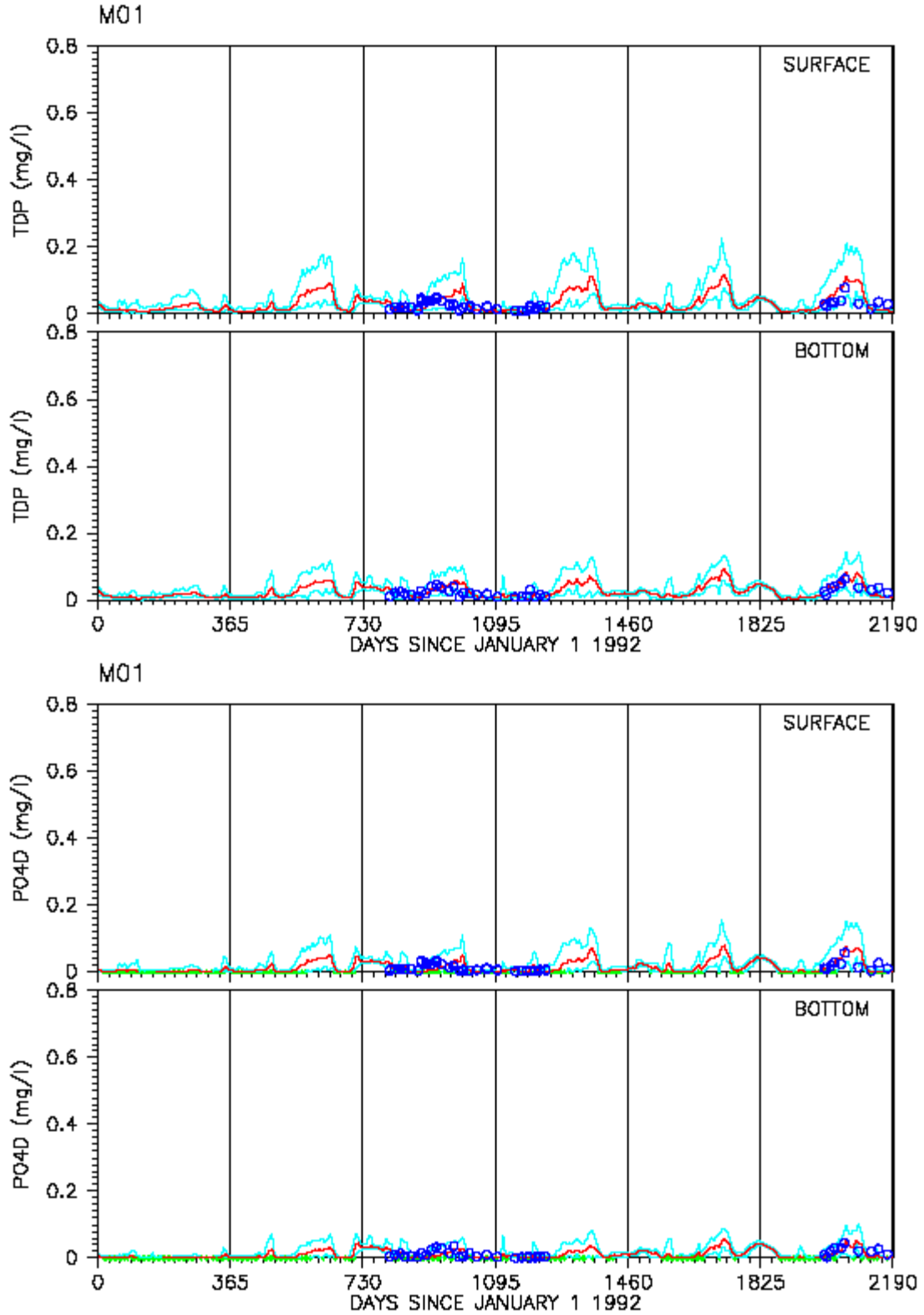


Fig. 8. Time series comparison of model calibration results and data for total dissolved phosphorus and dissolved phosphate in Back River (M01)

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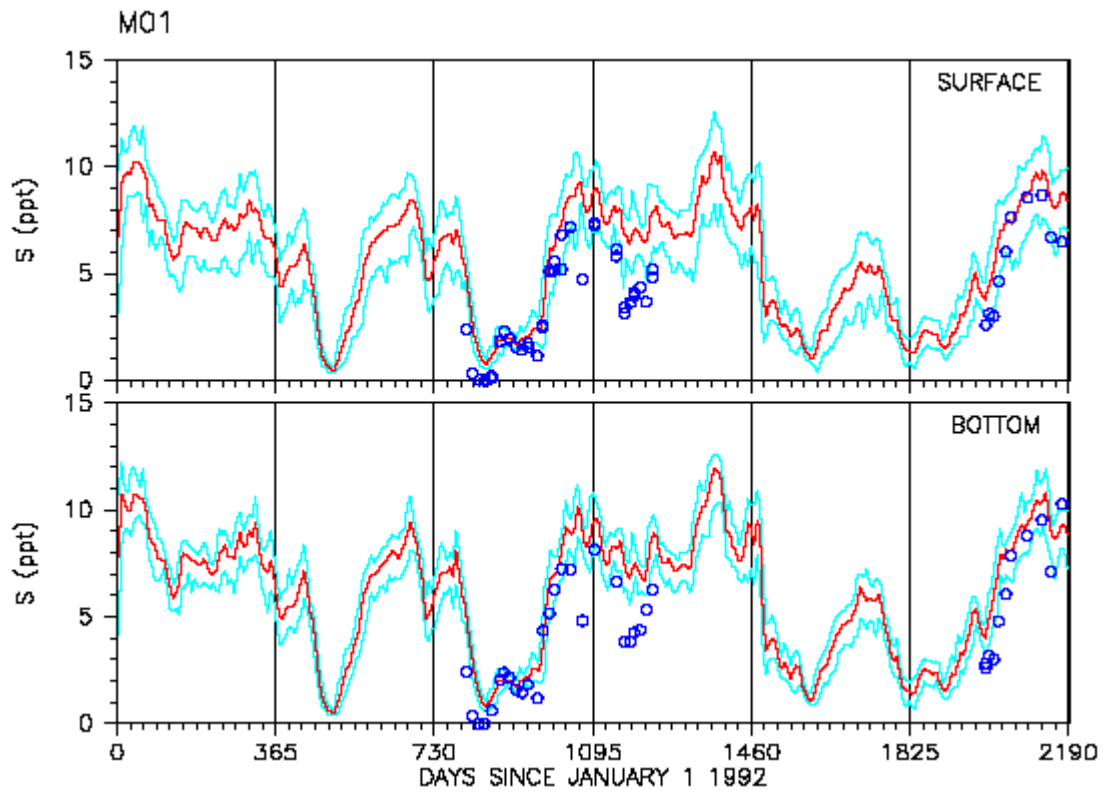


Fig. 9. Time series comparison of model calibration results and data for salinity in Back River (M01)

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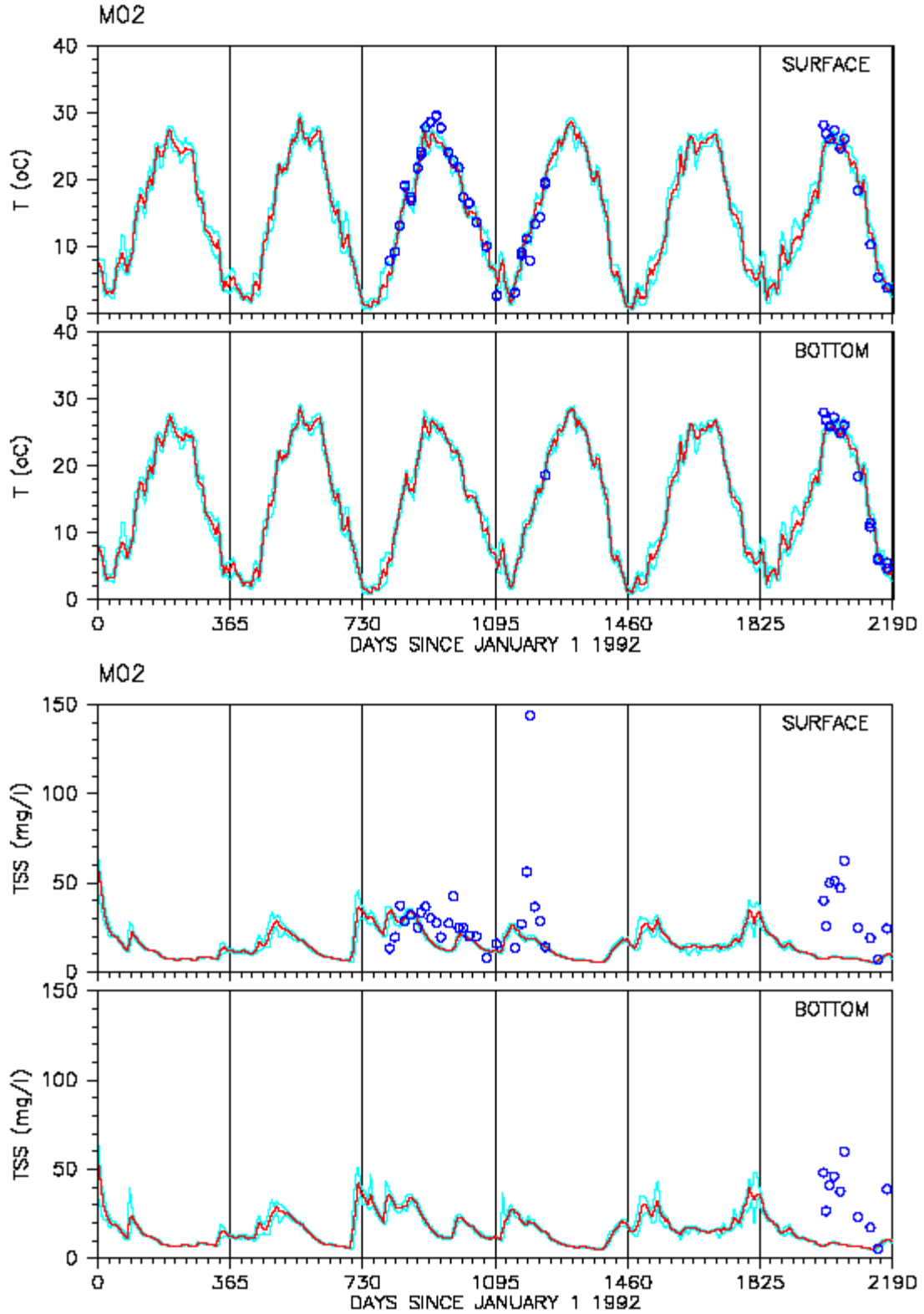


Fig. 10. Time series comparison of model calibration results and data for temperature and total suspended solids in Back River (M02)

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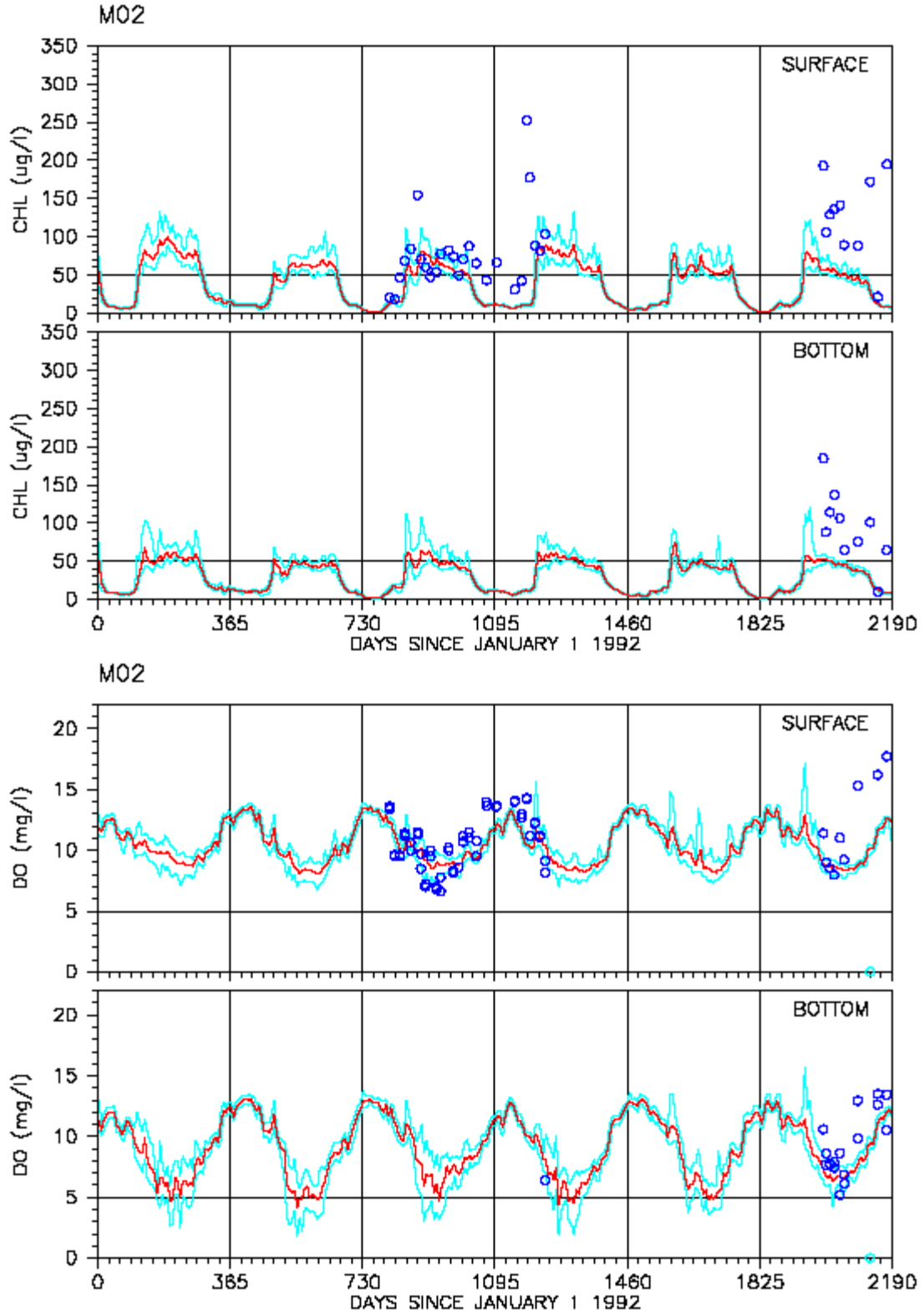


Fig. 11. Time series comparison of model calibration results and data for chlorophyll a and dissolved oxygen in Back River (M02)

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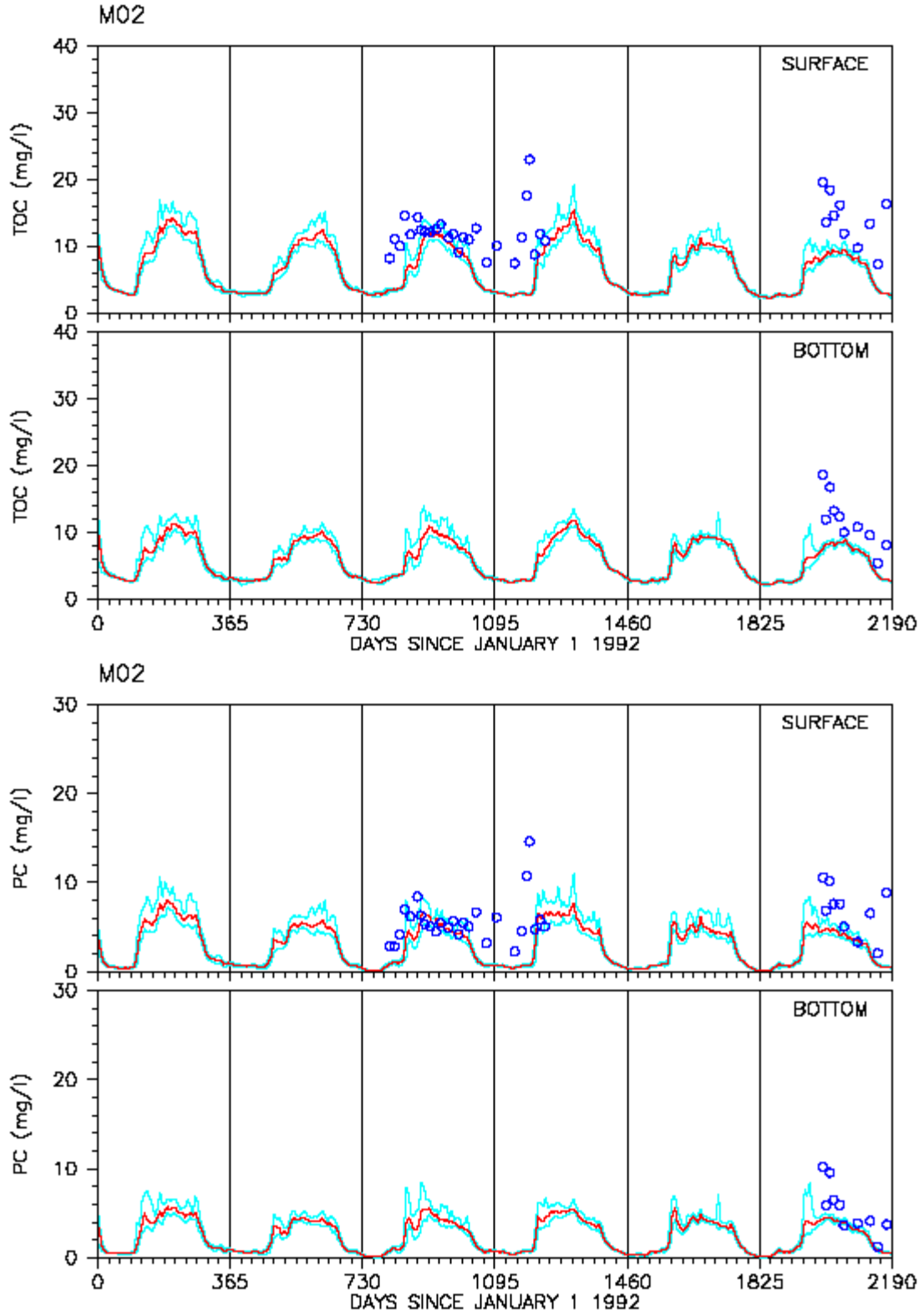


Fig. 12. Time series comparison of model calibration results and data for total organic carbon and particulate organic carbon in Back River (M02)

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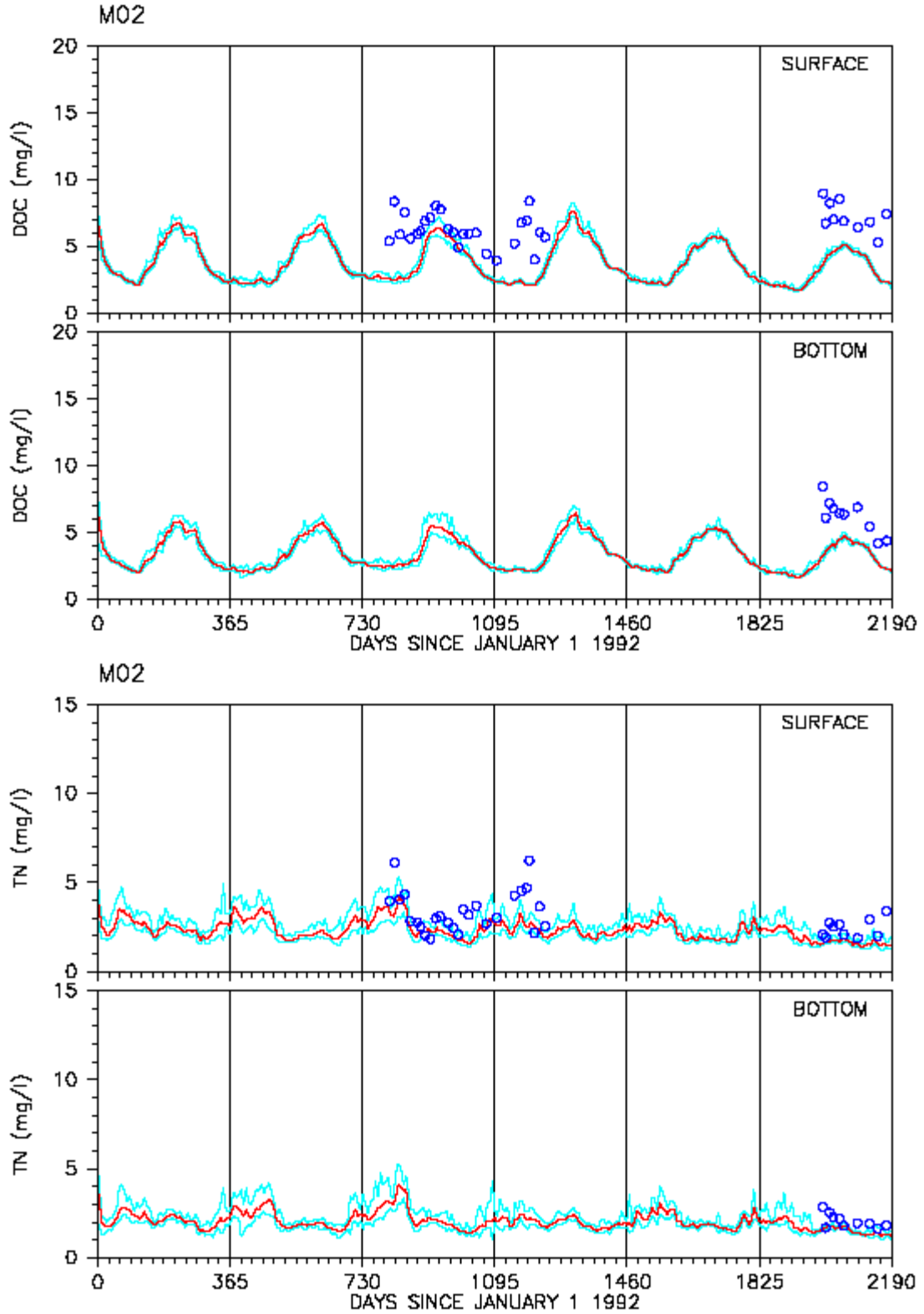


Fig. 13. Time series comparison of model calibration results and data for dissolved organic carbon and total nitrogen in Back River (M02)

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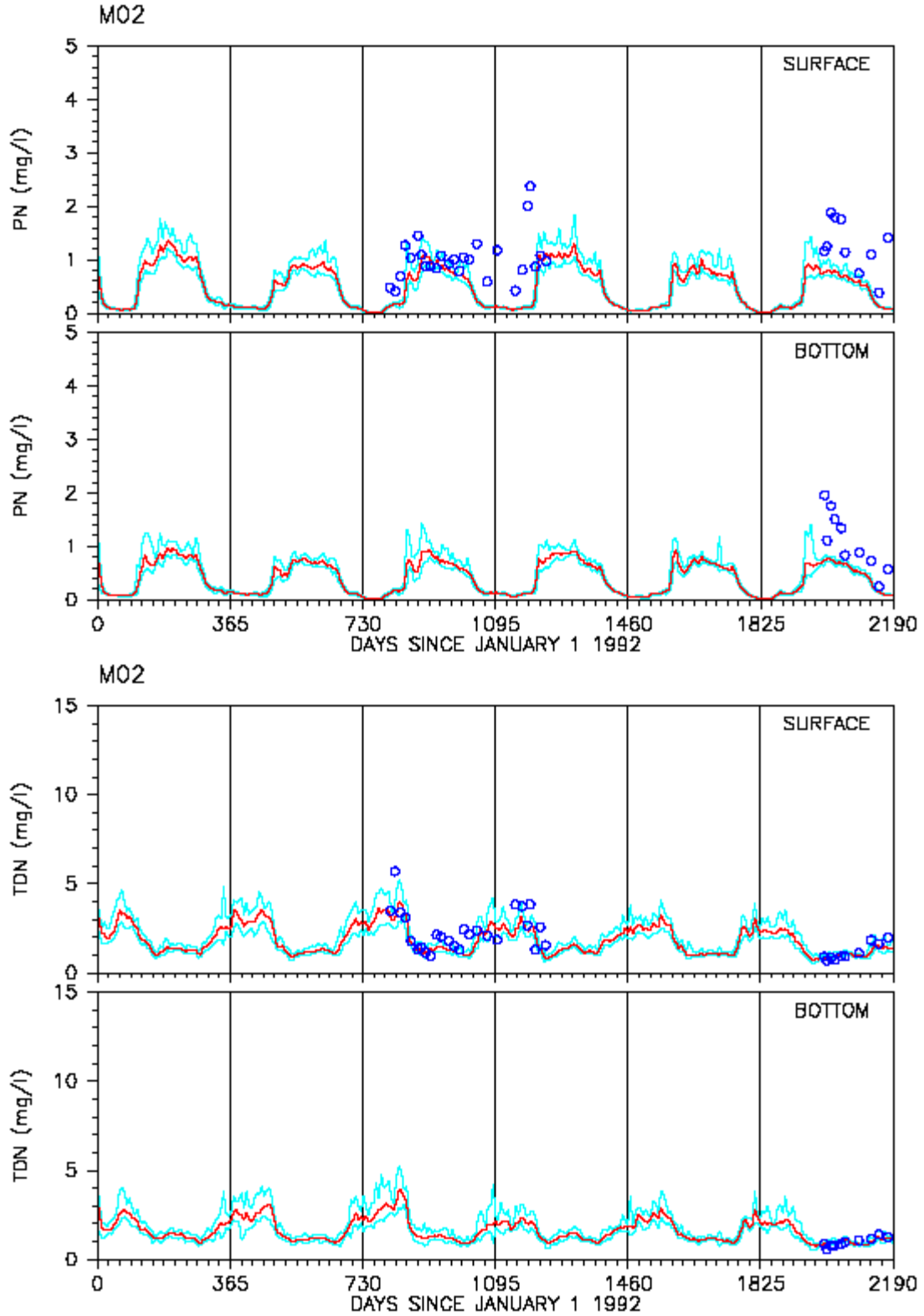


Fig. 14. Time series comparison of model calibration results and data for particulate nitrogen and total dissolved nitrogen in Back River (M02)

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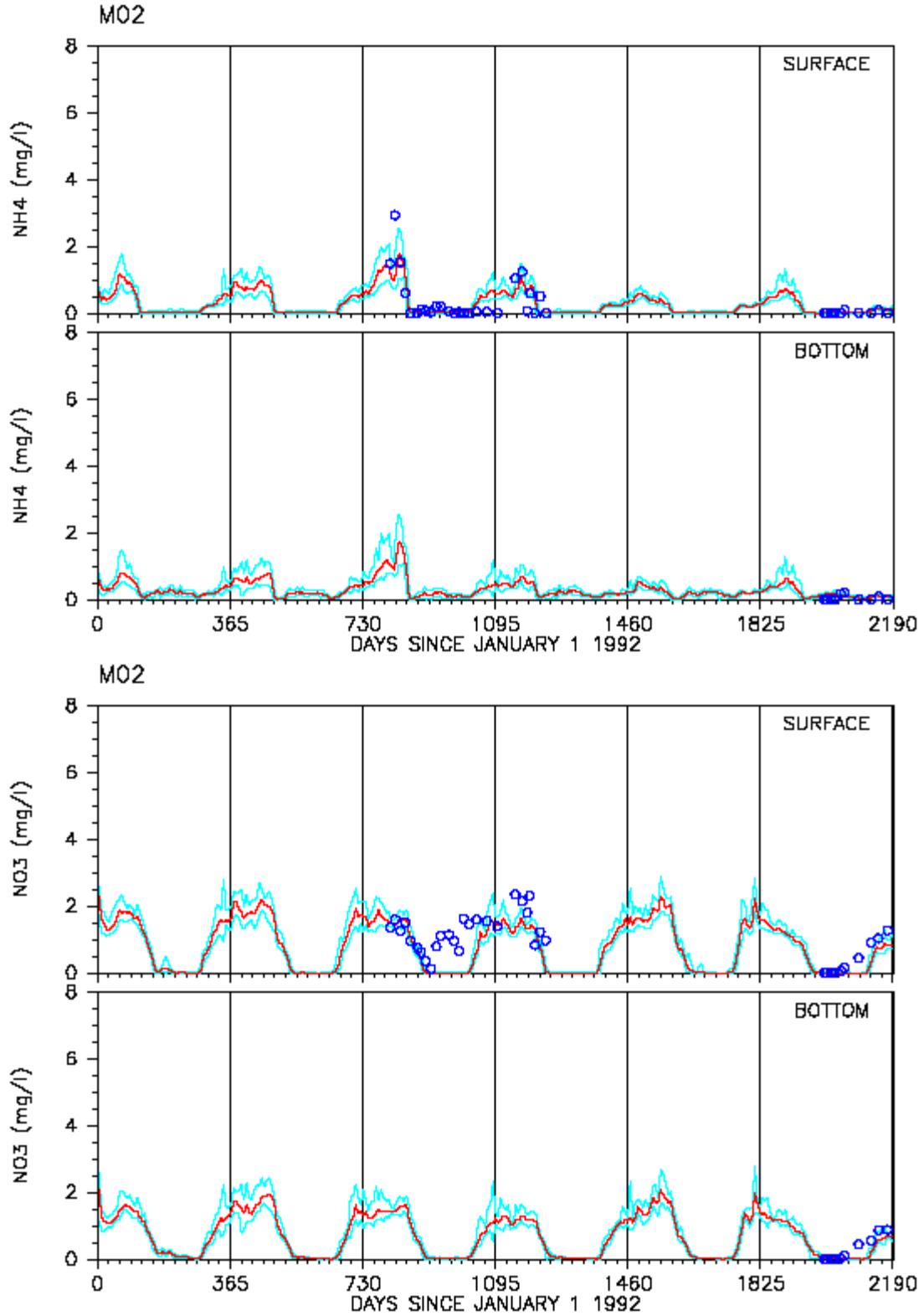


Fig. 15. Time series comparison of model calibration results and data for ammonia and nitrate nitrogen in Back River (M02)



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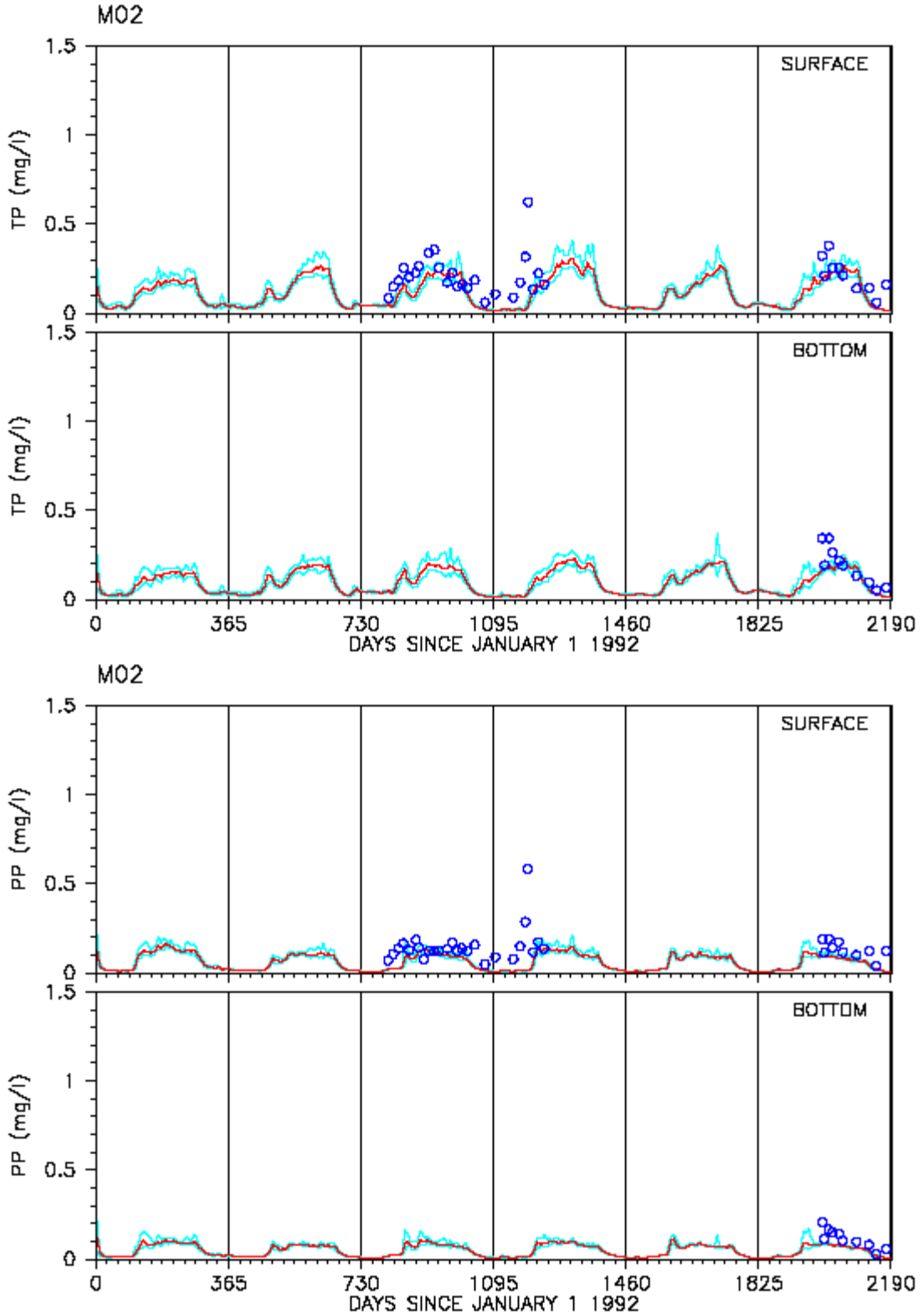


Fig. 16. Time series comparison of model calibration results and data for total phosphorus and particulate phosphorus in Back River (M02)

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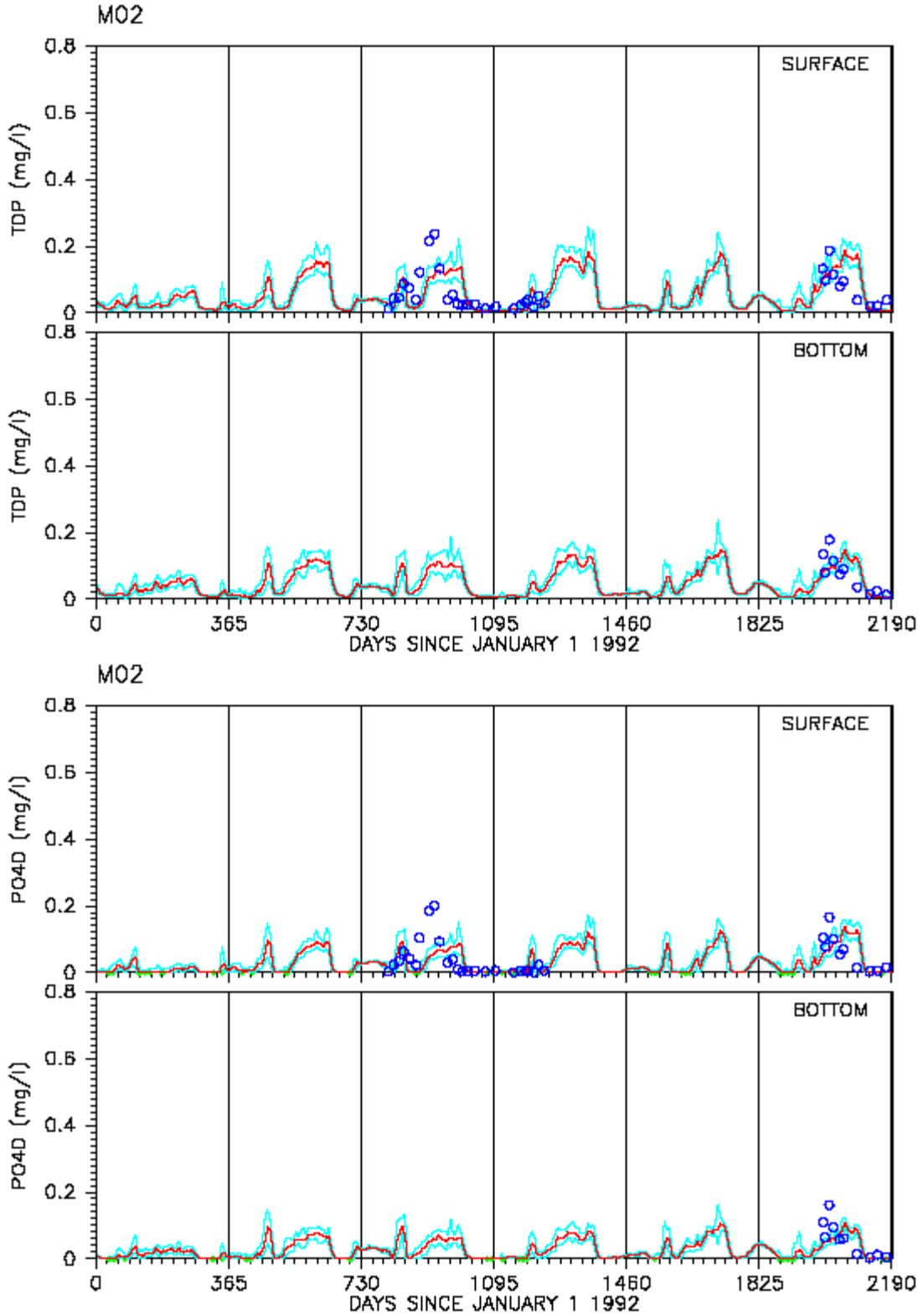


Fig. 17. Time series comparison of model calibration results and data for total dissolved phosphorus and dissolved phosphate in Back River (M02)

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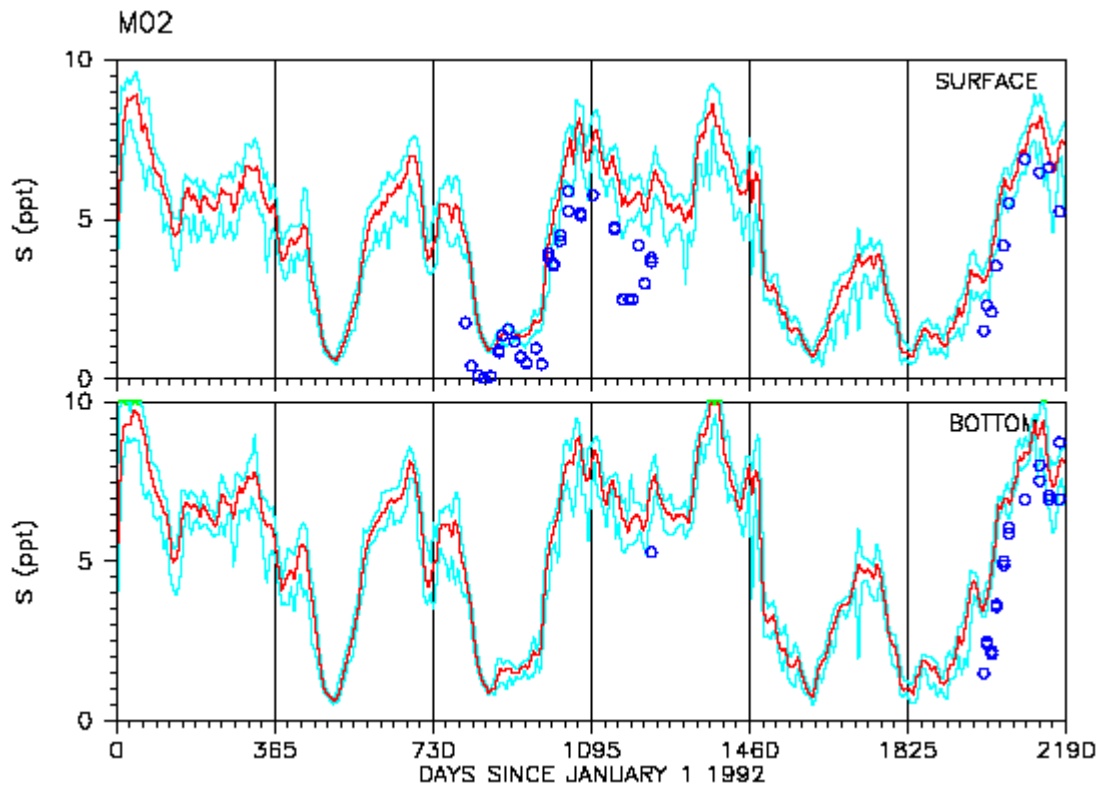


Fig. 18. Time series comparison of model calibration results and data for salinity in Back River (M02)

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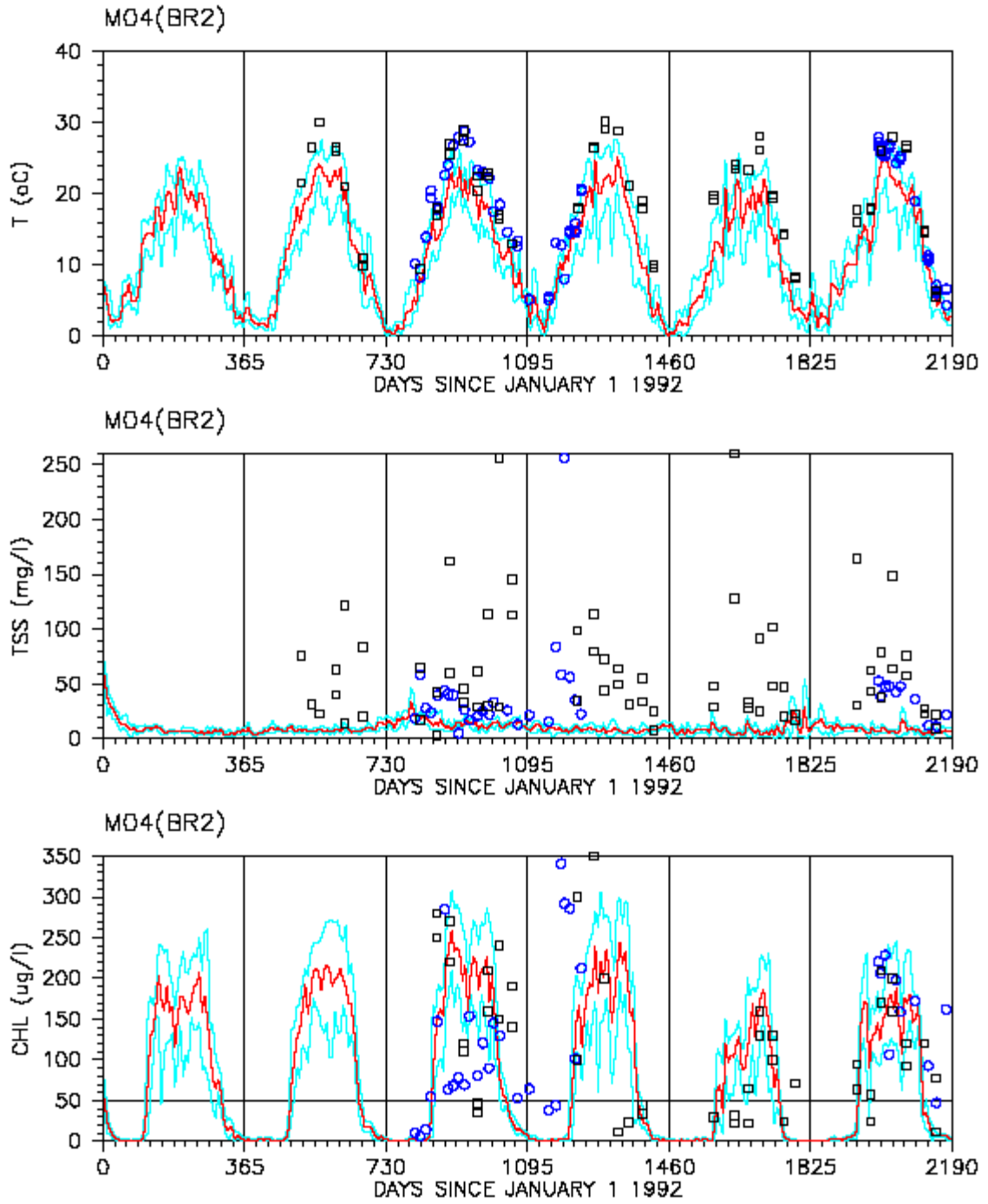


Fig. 19. Time series comparison of model calibration results and data for temperature, total suspended solids, and chlorophyll a in Back River (M04)

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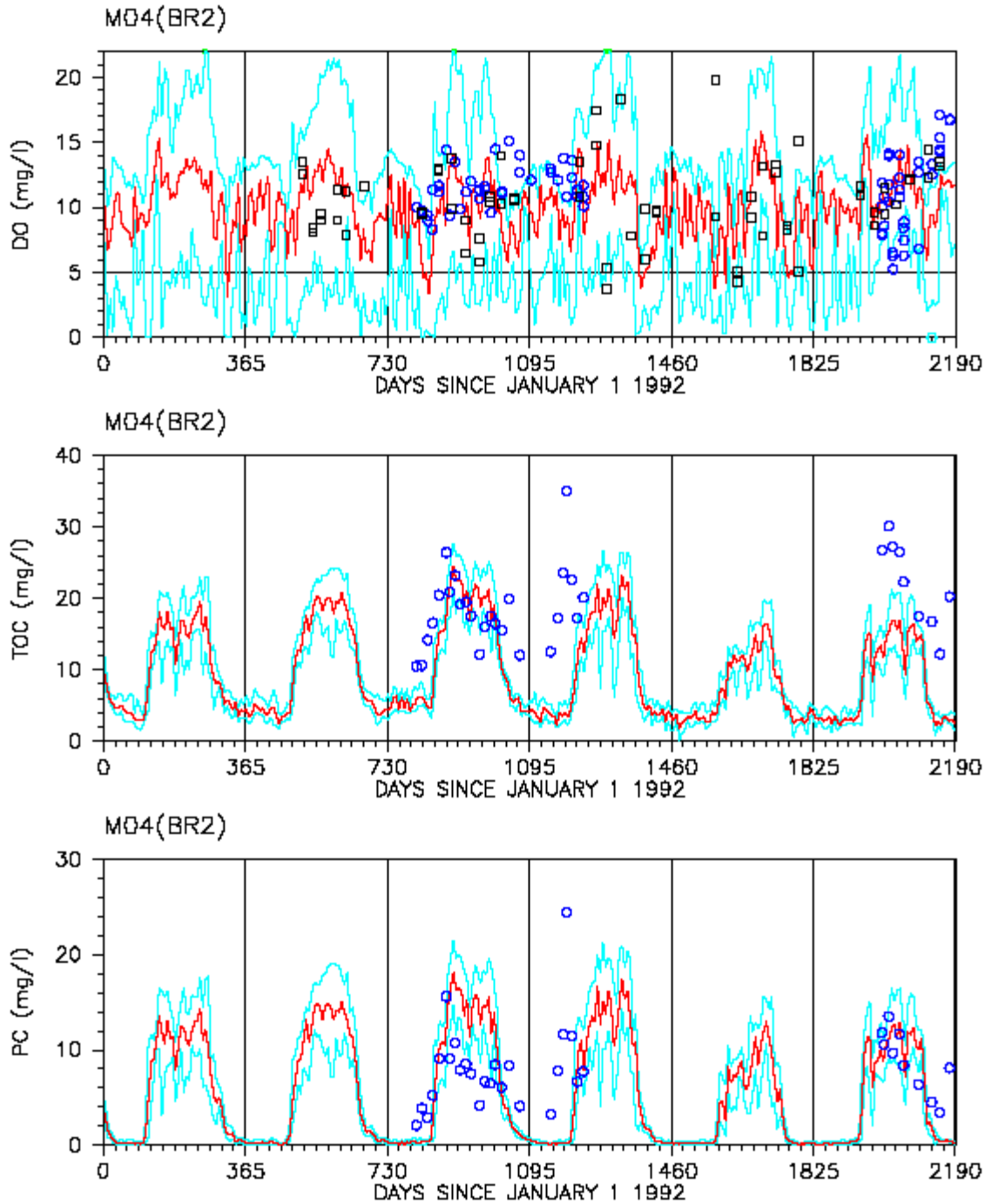


Fig. 20. Time series comparison of model calibration results and data for dissolved oxygen, total organic carbon, and particulate organic carbon in Back River (M04)

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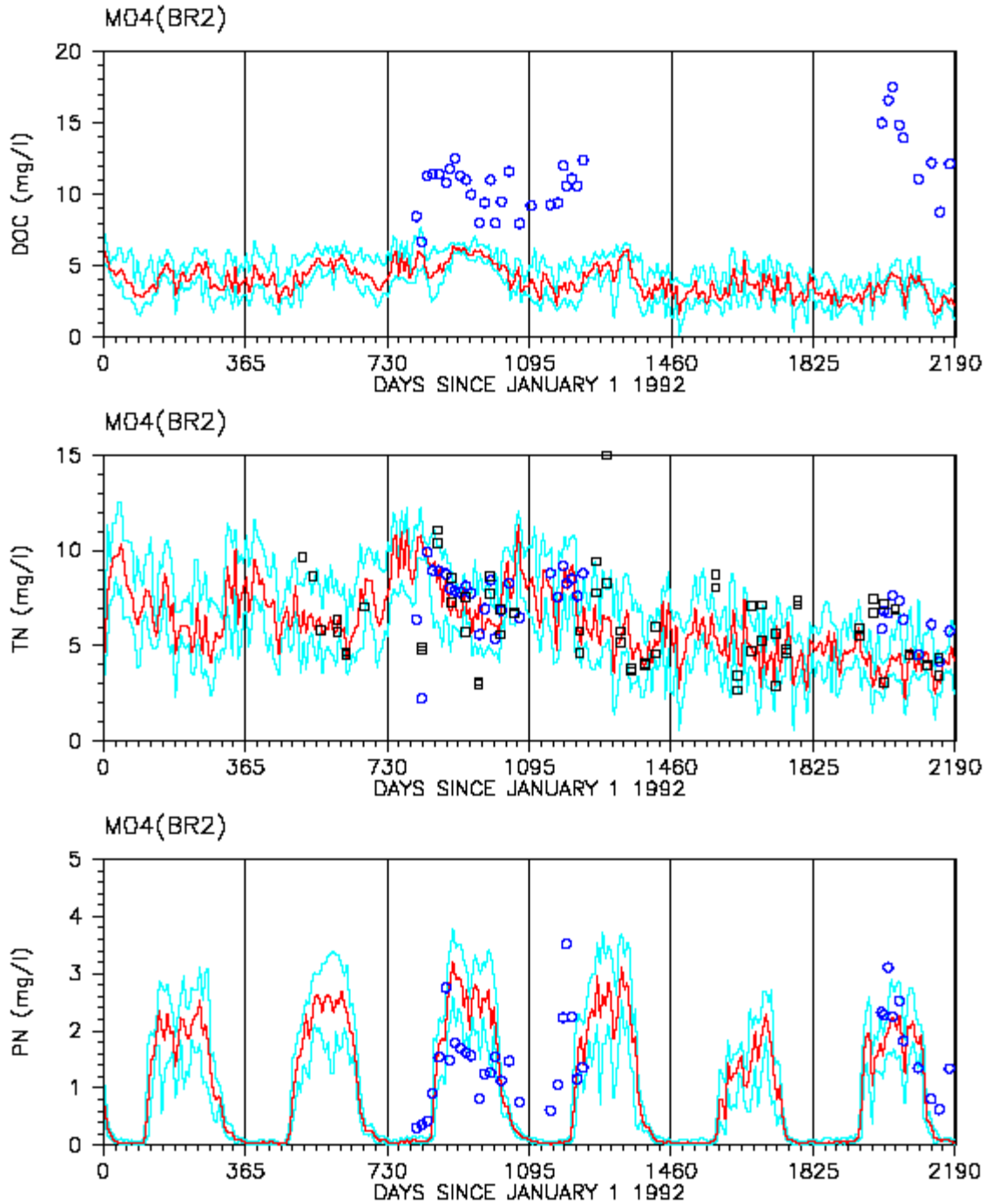


Fig. 21. Time series comparison of model calibration results and data for dissolved organic carbon, total nitrogen, and particulate nitrogen in Back River (M04)

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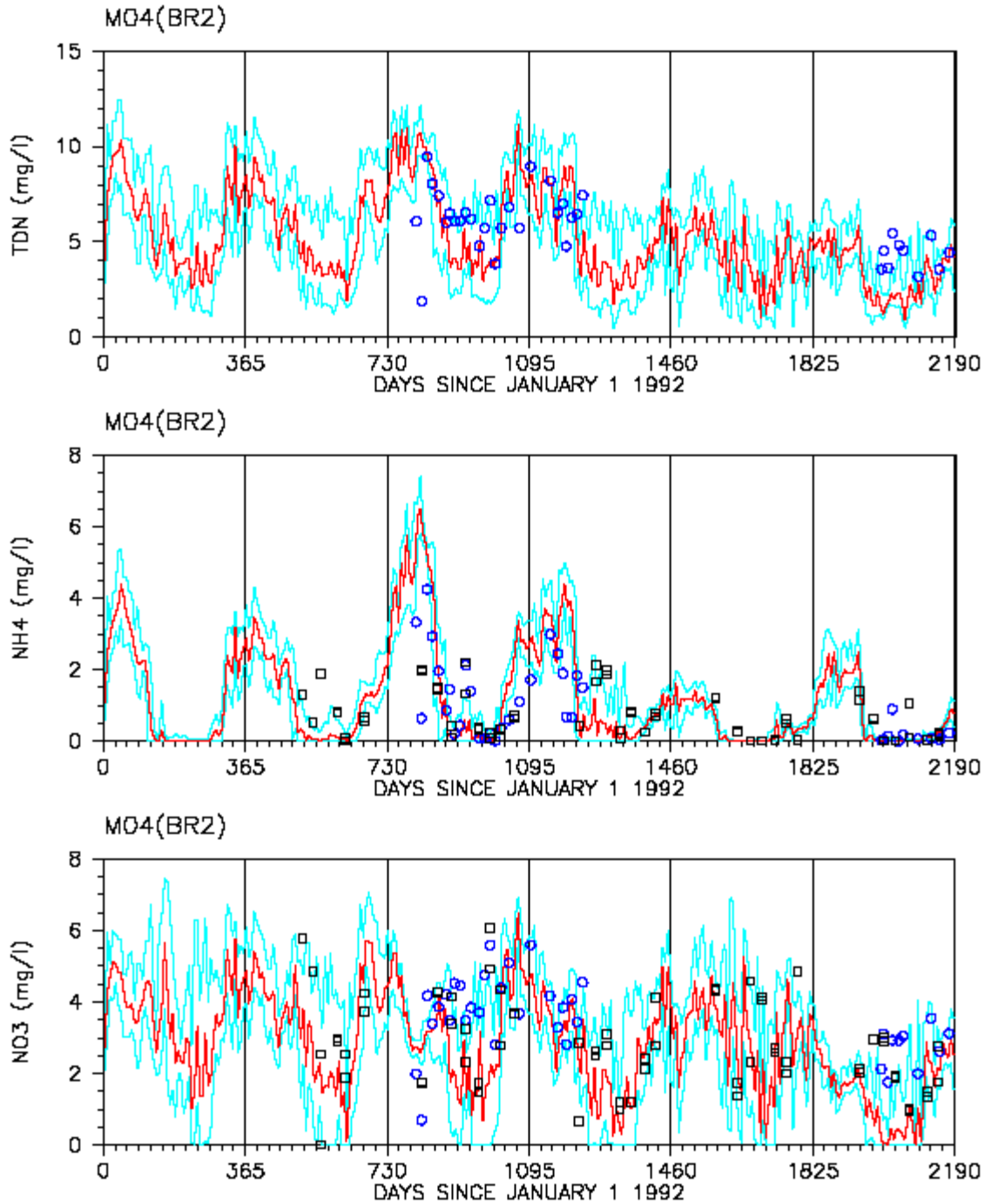


Fig. 22. Time series comparison of model calibration results and data for total dissolved nitrogen, ammonia, and nitrate nitrogen in Back River (M04)

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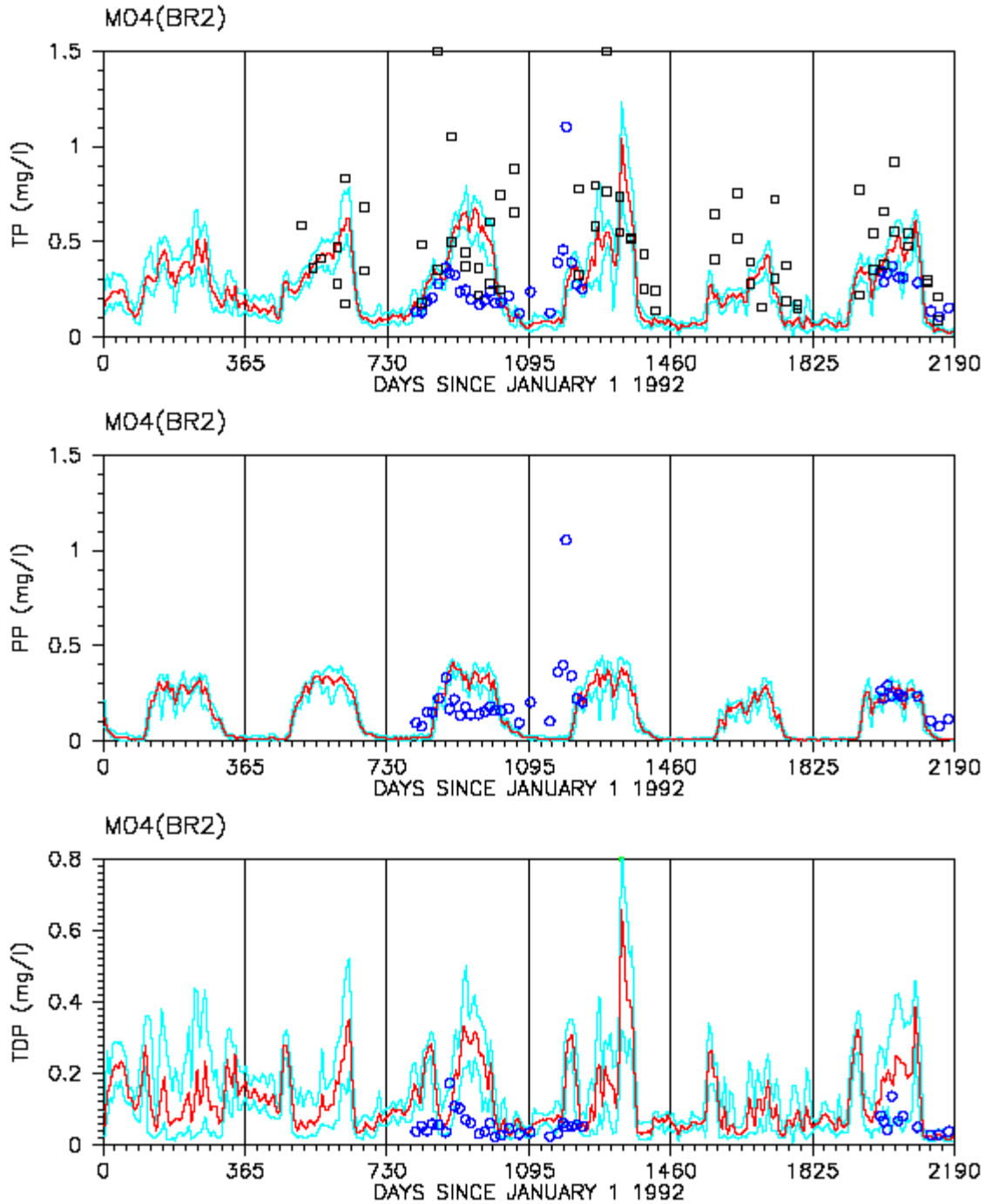


Fig. 23. Time series comparison of model calibration results and data for total phosphorus, particulate phosphorus, and total dissolved phosphorus in Back River (M04)



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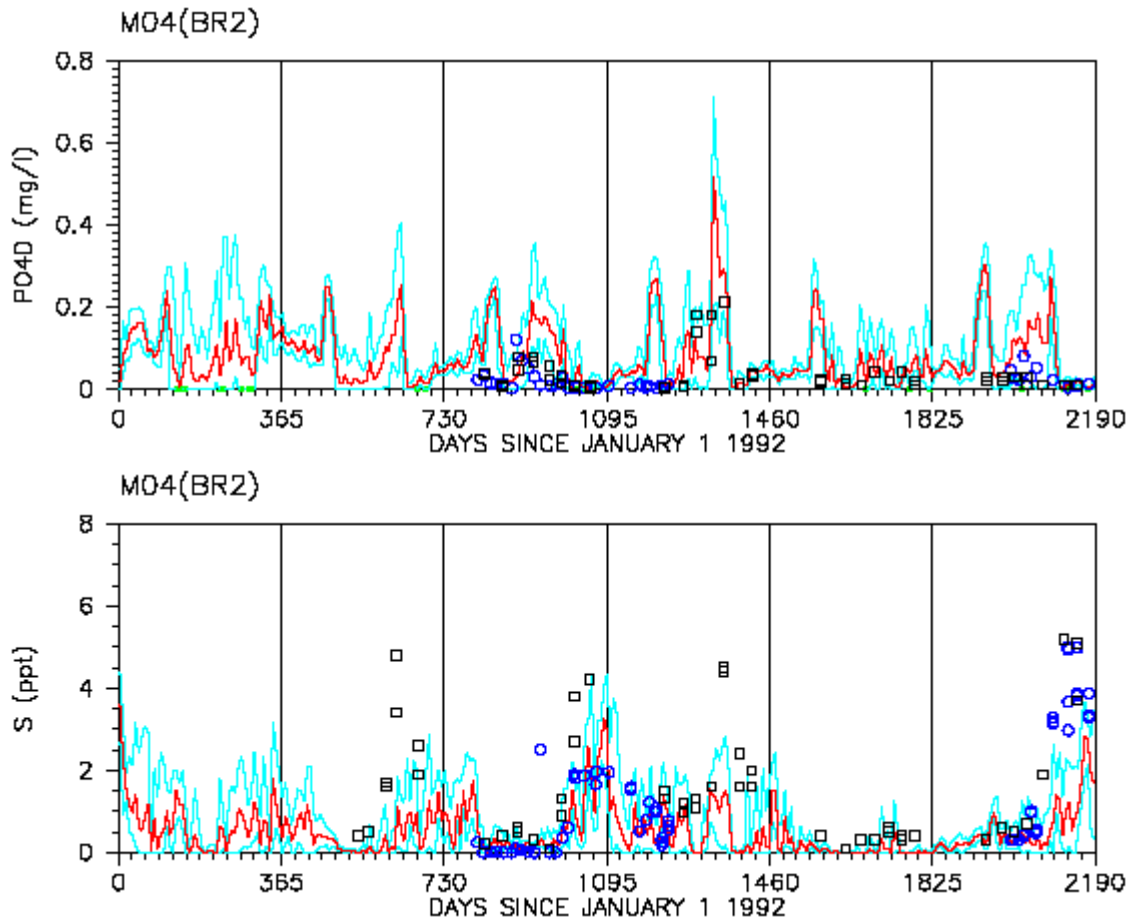


Fig. 24. Time series comparison of model calibration results and data for dissolved phosphate and salinity in Back River (M04)

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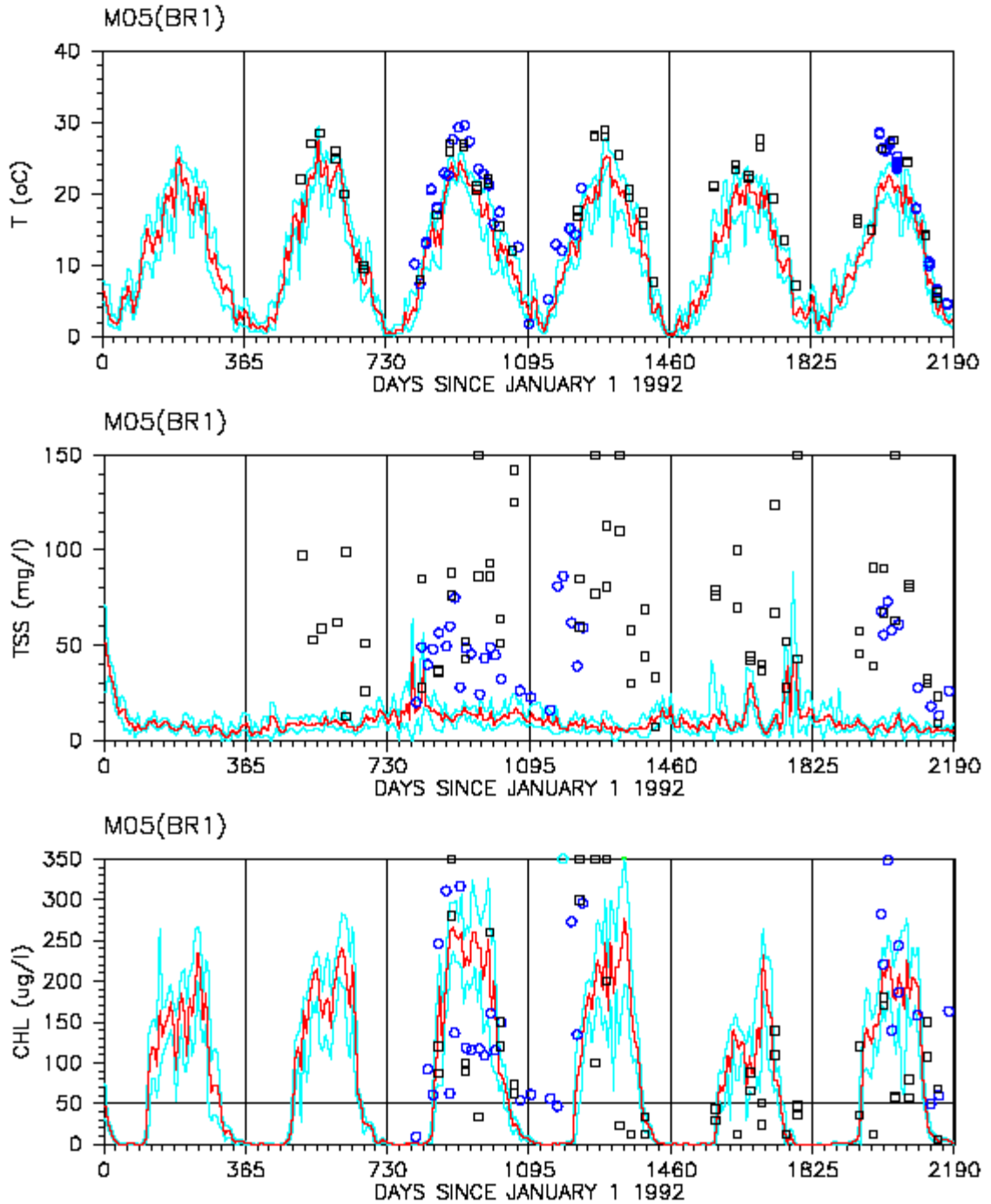


Fig. 25. Time series comparison of model calibration results and data for temperature, total suspended solids, and chlorophyll a in Back River (M05)

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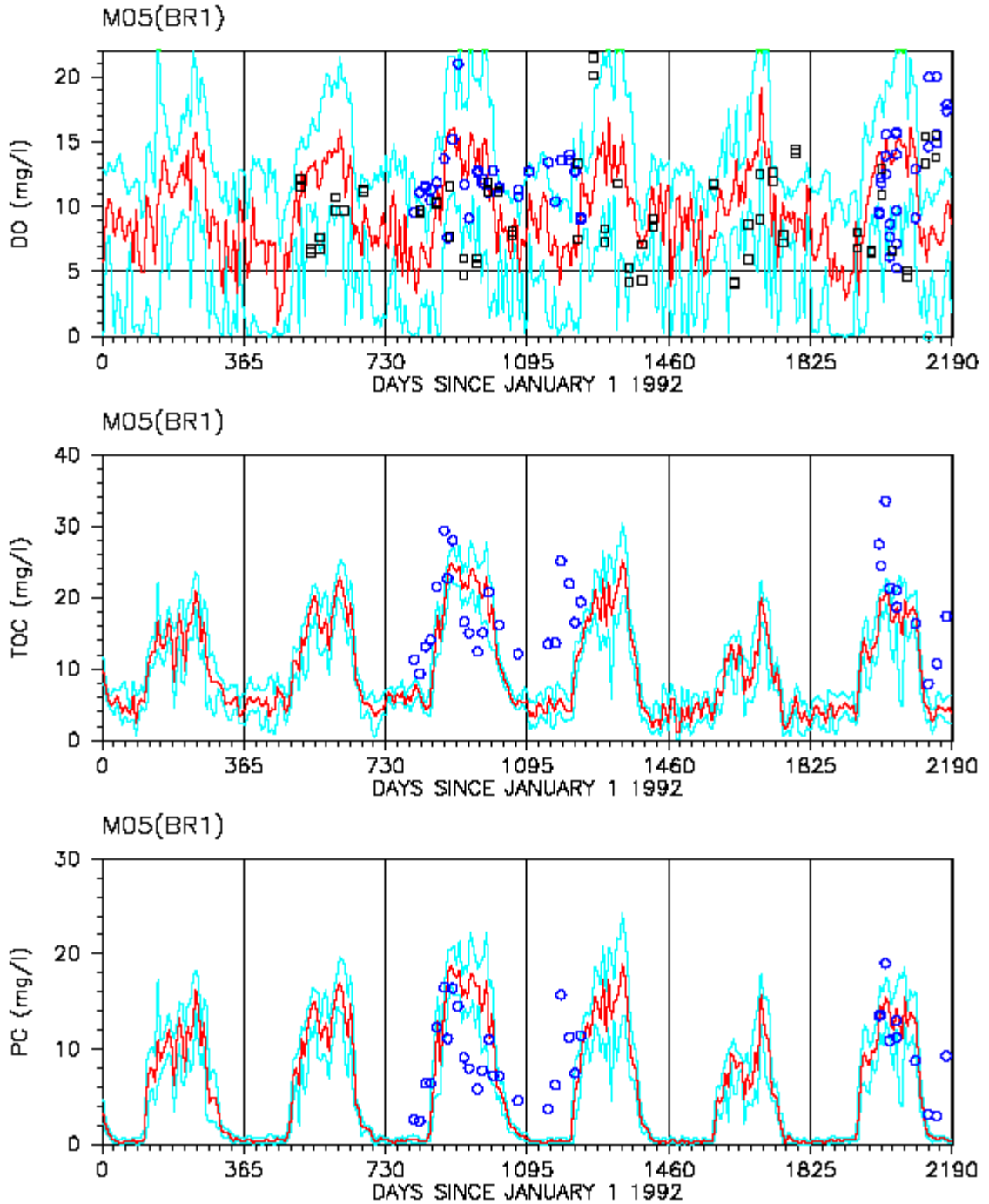


Fig. 26. Time series comparison of model calibration results and data for dissolved oxygen, total organic carbon, and particulate organic carbon in Back River (M05)

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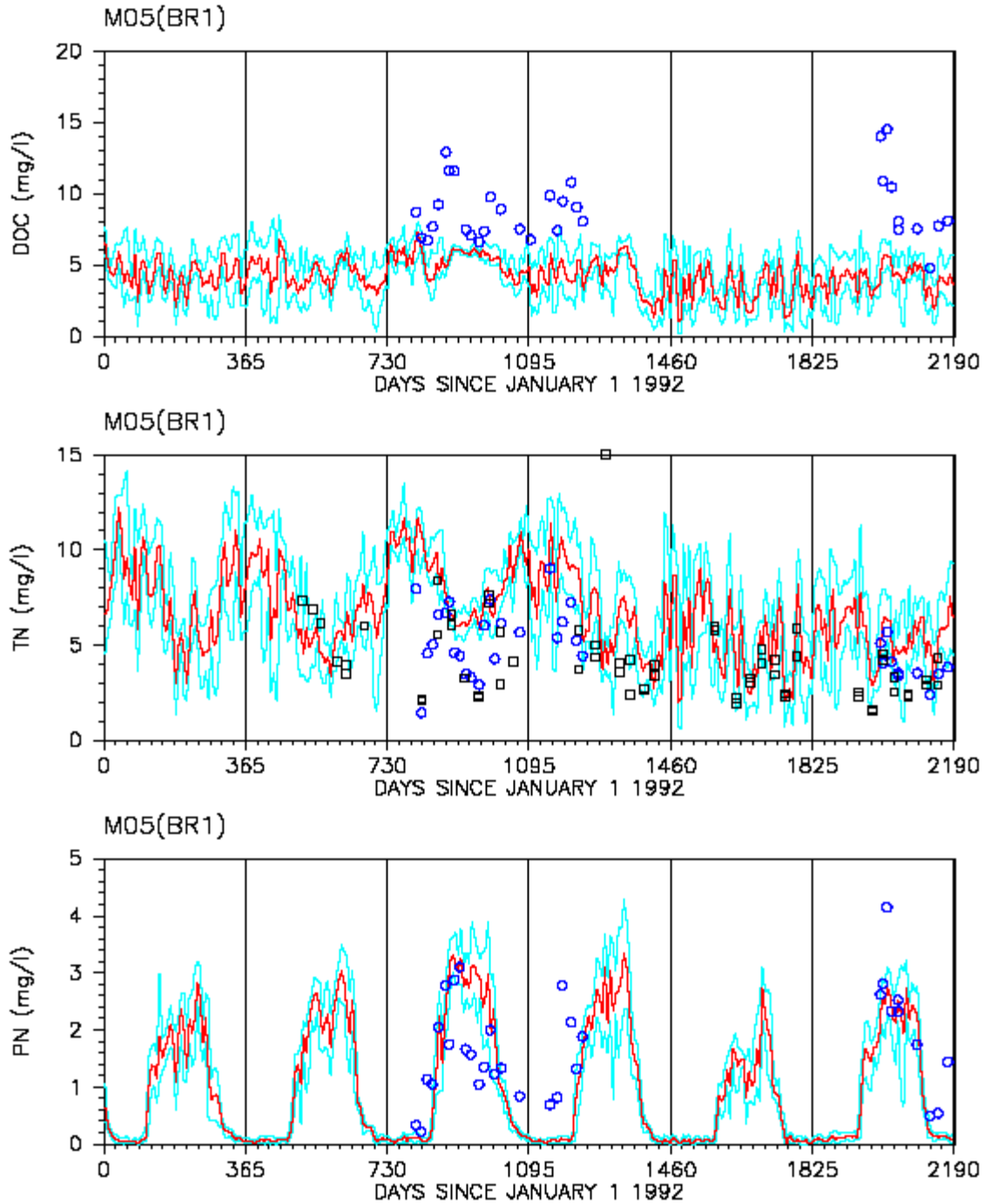


Fig. 27. Time series comparison of model calibration results and data for dissolved organic carbon, total nitrogen, and particulate nitrogen in Back River (M05)

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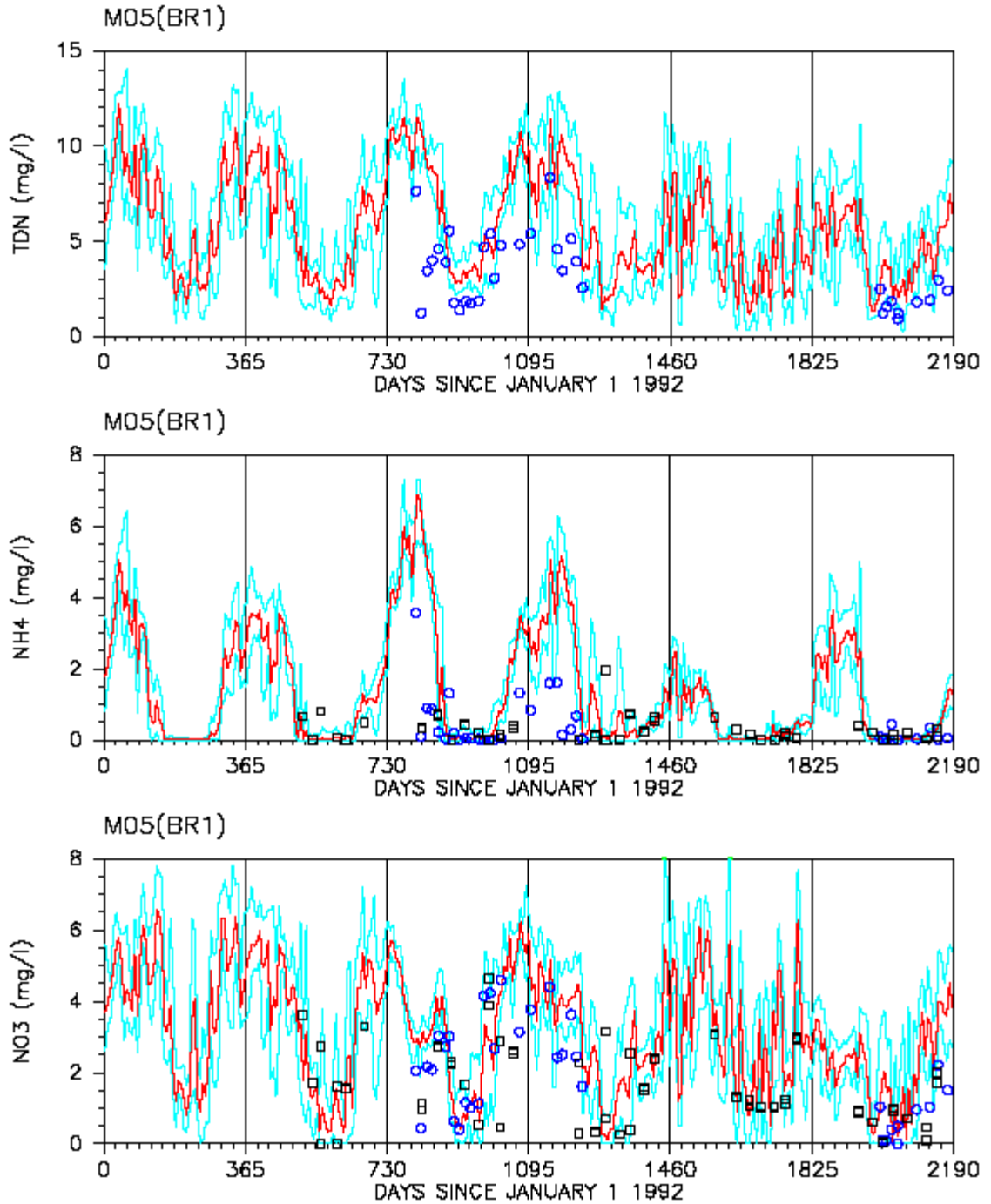


Fig. 28. Time series comparison of model calibration results and data for total dissolved nitrogen, ammonia, and nitrate nitrogen in Back River (M05)

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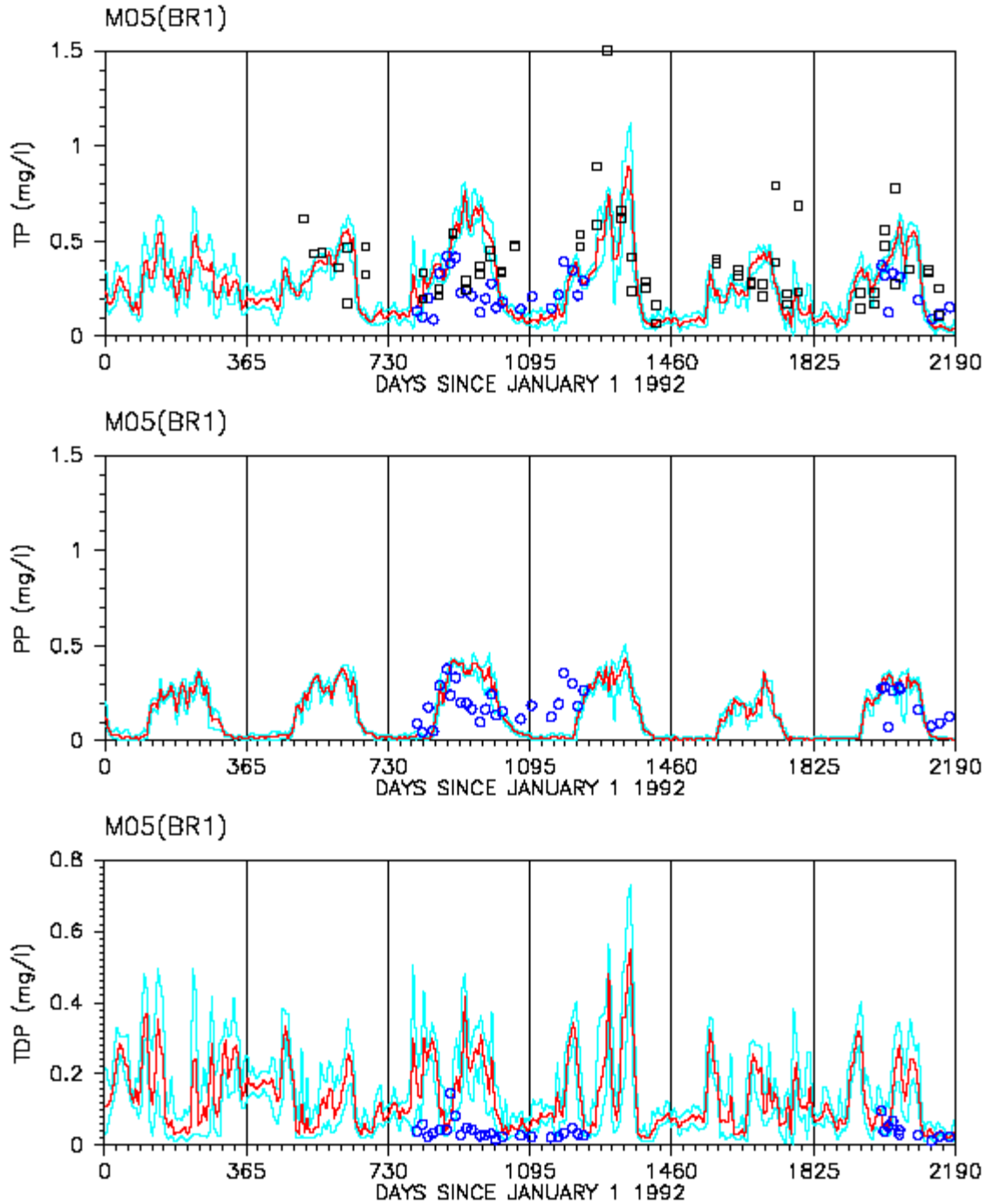


Fig. 29. Time series comparison of model calibration results and data for total phosphorus, particulate phosphorus, and total dissolved phosphorus in Back River (M05)

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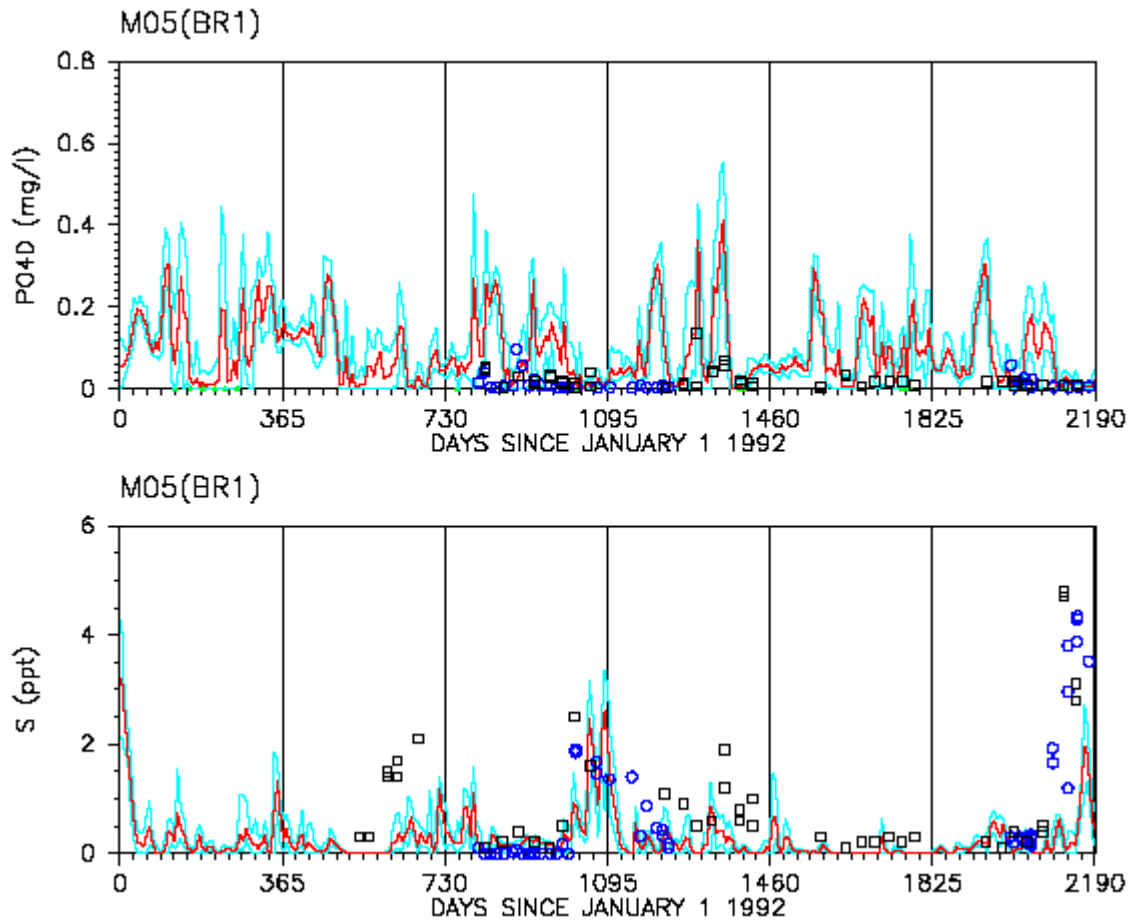


Fig. 30. Time series comparison of model calibration results and data for dissolved phosphate and salinity in Back River (M05)

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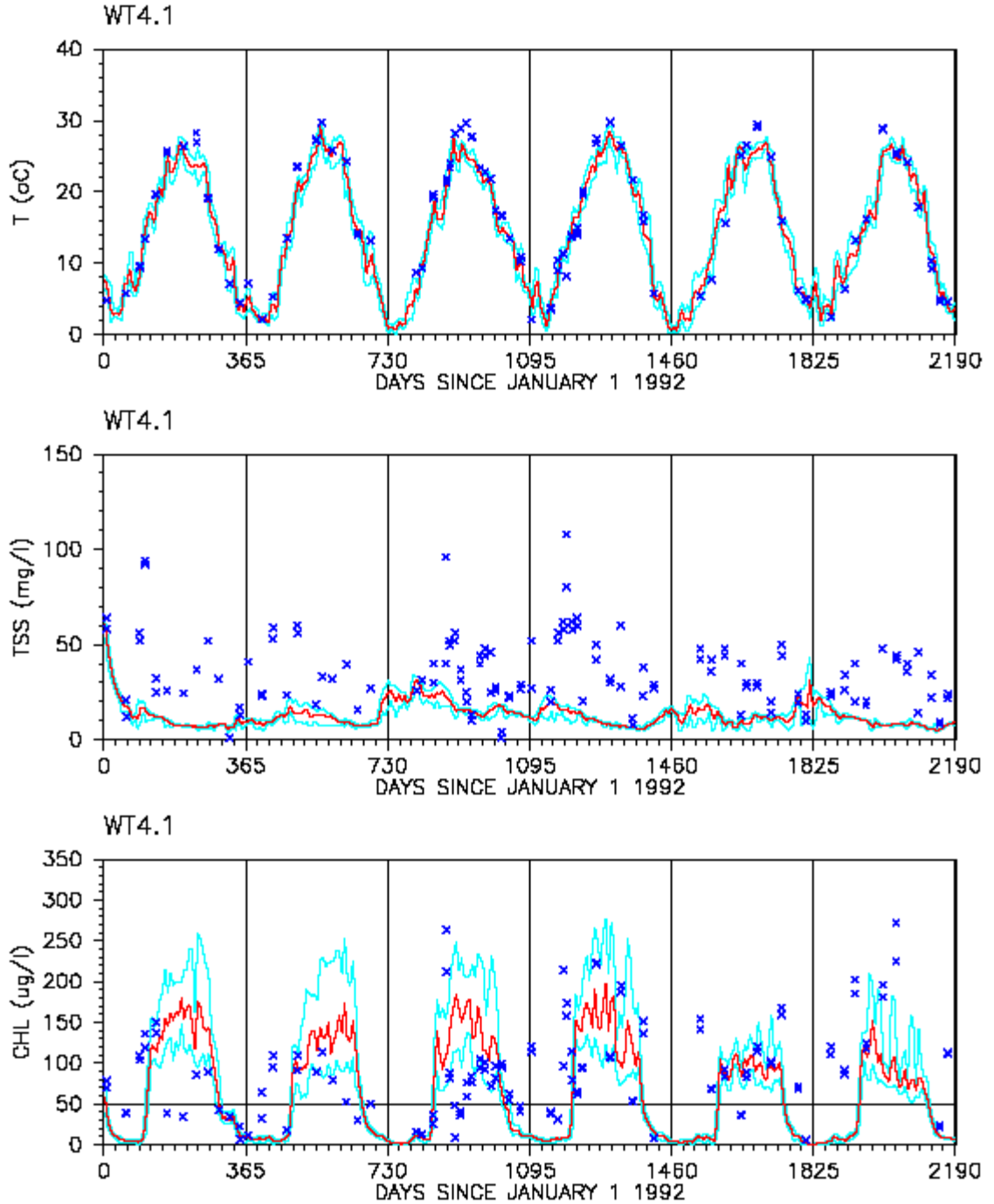


Fig. 31. Time series comparison of model calibration results and data for temperature, total suspended solids, and chlorophyll a in Back River (WT4.1)



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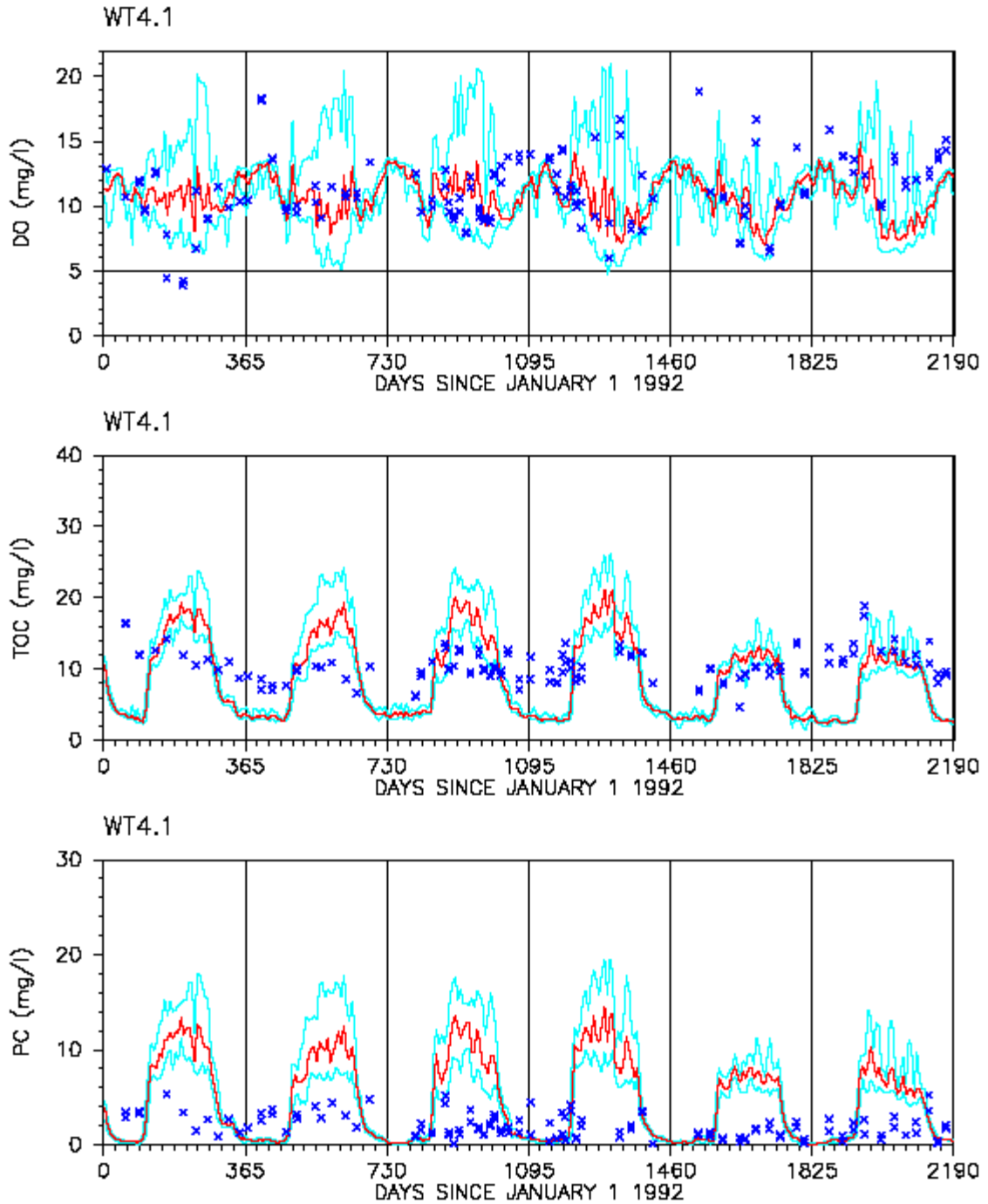


Fig. 32. Time series comparison of model calibration results and data for dissolved oxygen, total organic carbon, and particulate organic carbon in Back River (WT4.1)

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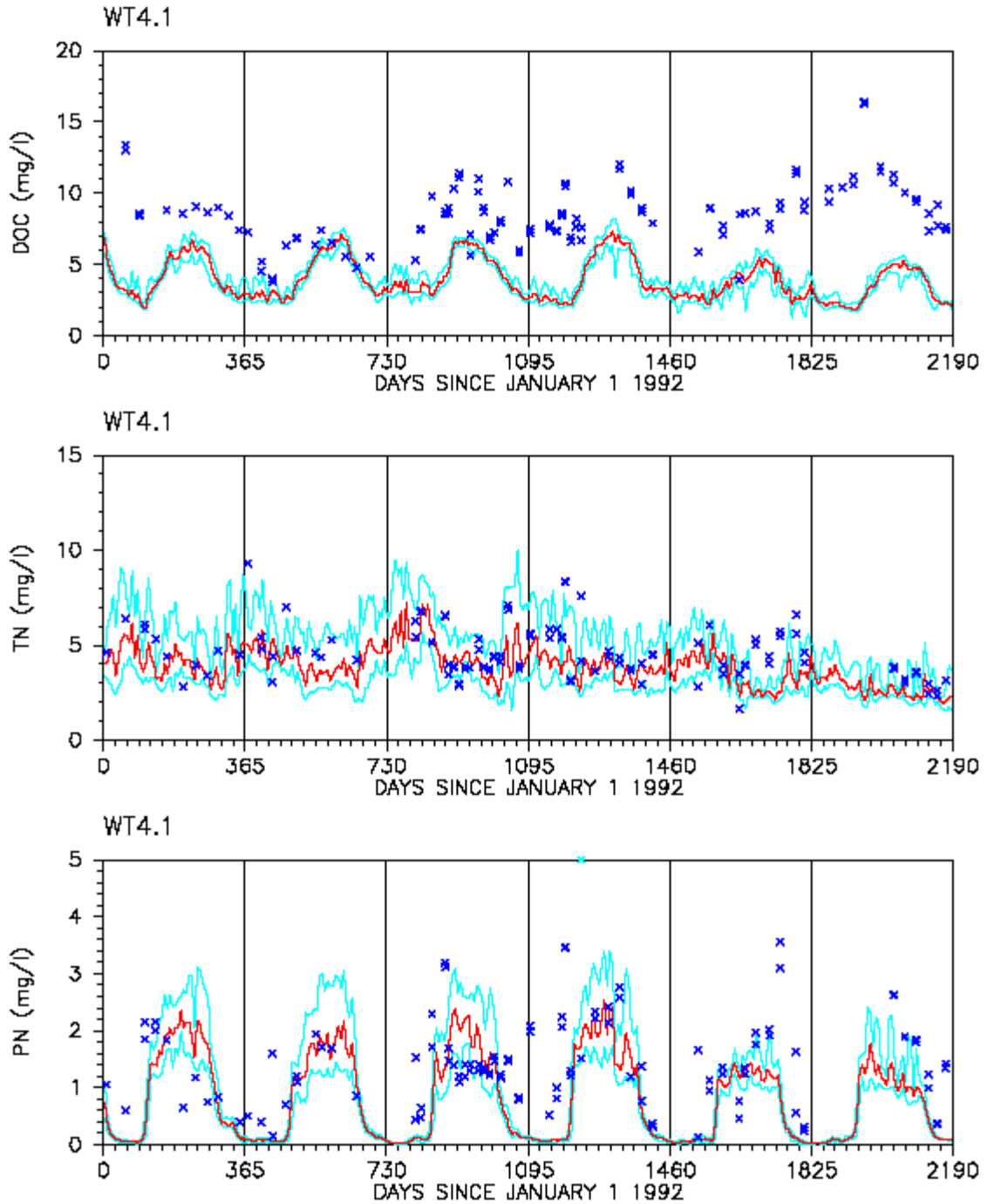


Fig. 33. Time series comparison of model calibration results and data for dissolved organic carbon, total nitrogen, and particulate nitrogen in Back River (WT4.1)

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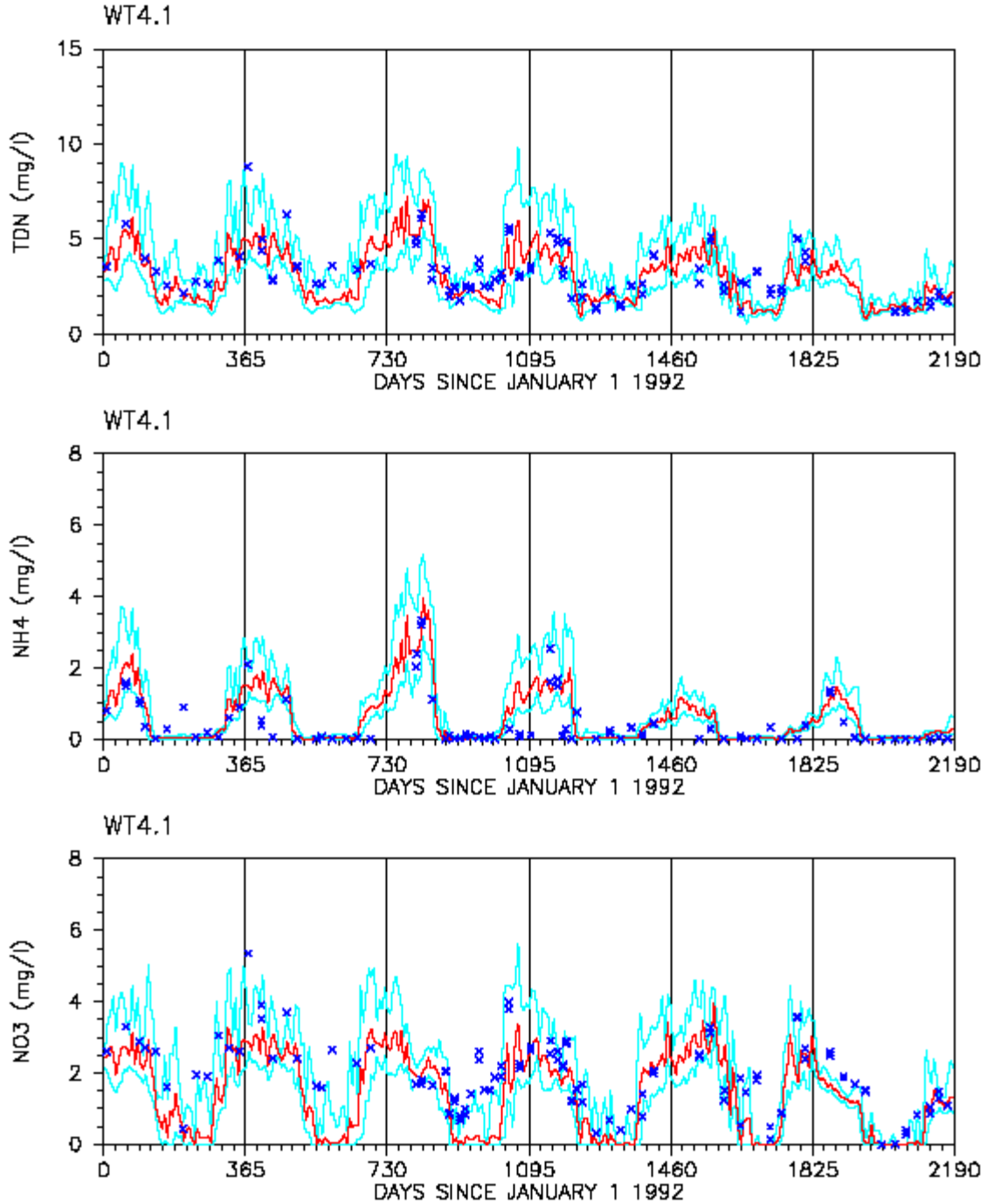


Fig. 34. Time series comparison of model calibration results and data for total dissolved nitrogen, ammonia, and nitrate nitrogen in Back River (WT4.1)

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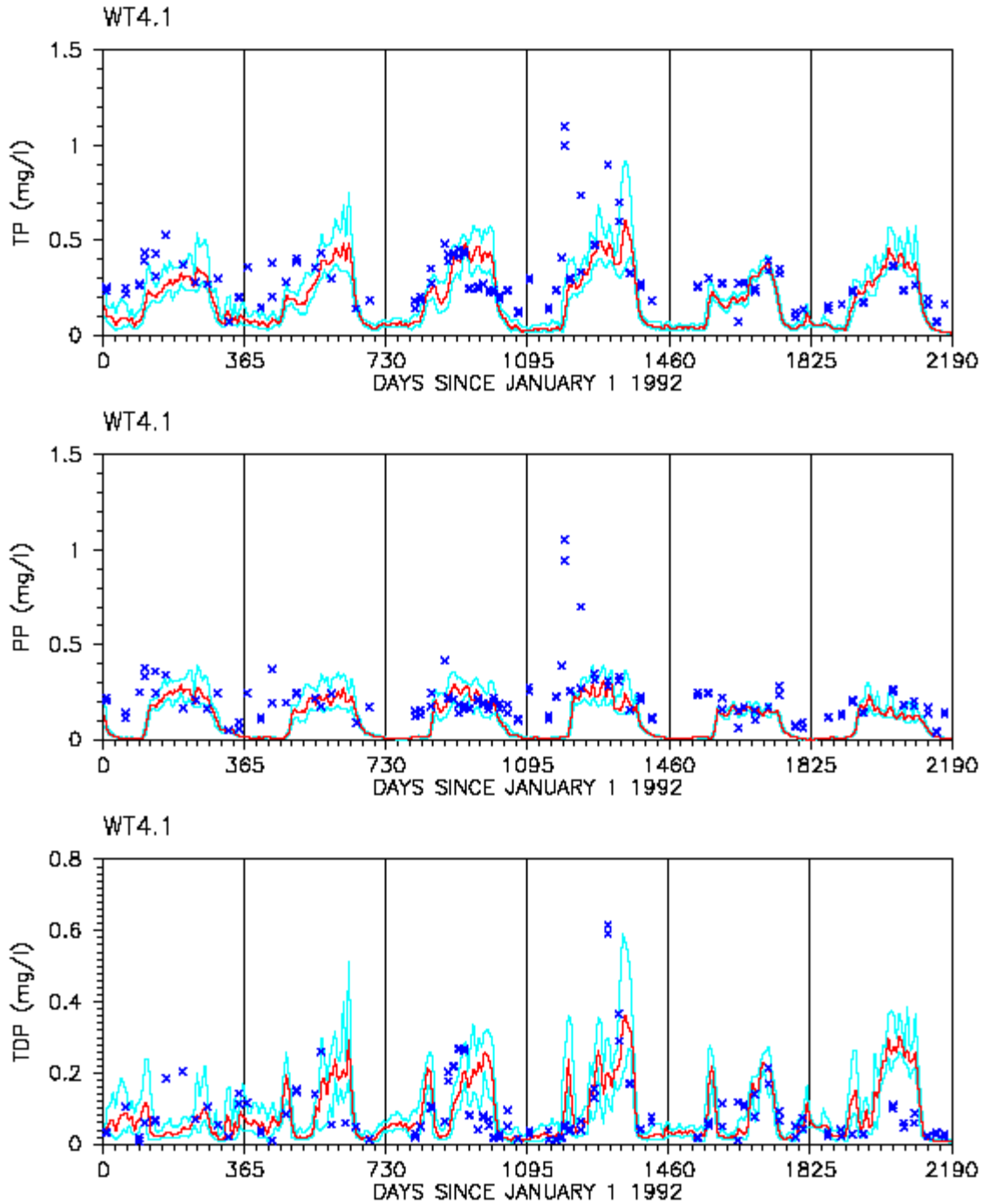


Fig. 35. Time series comparison of model calibration results and data for total phosphorus, particulate phosphorus, and total dissolved phosphorus in Back River (WT4.1)

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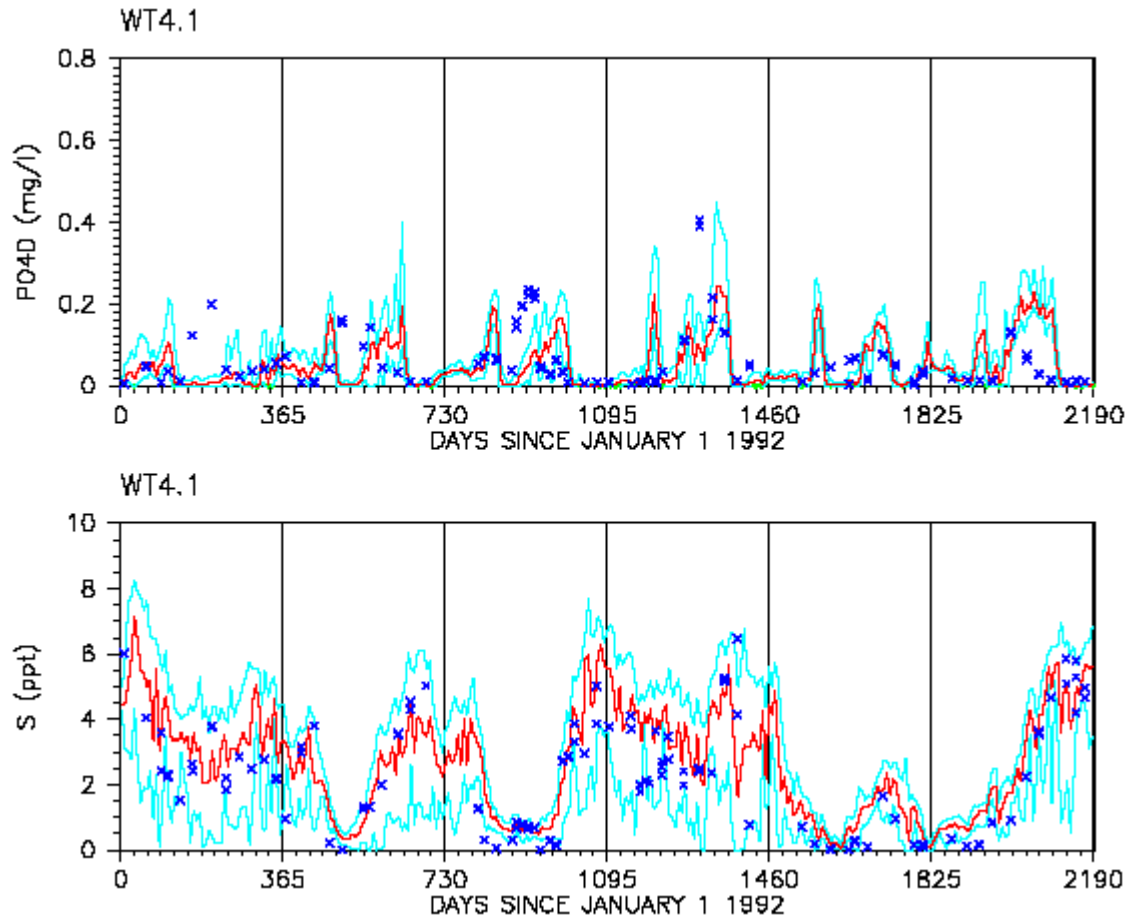


Fig. 36. Time series comparison of model calibration results and data for dissolved phosphate and salinity in Back River (WT4.1)

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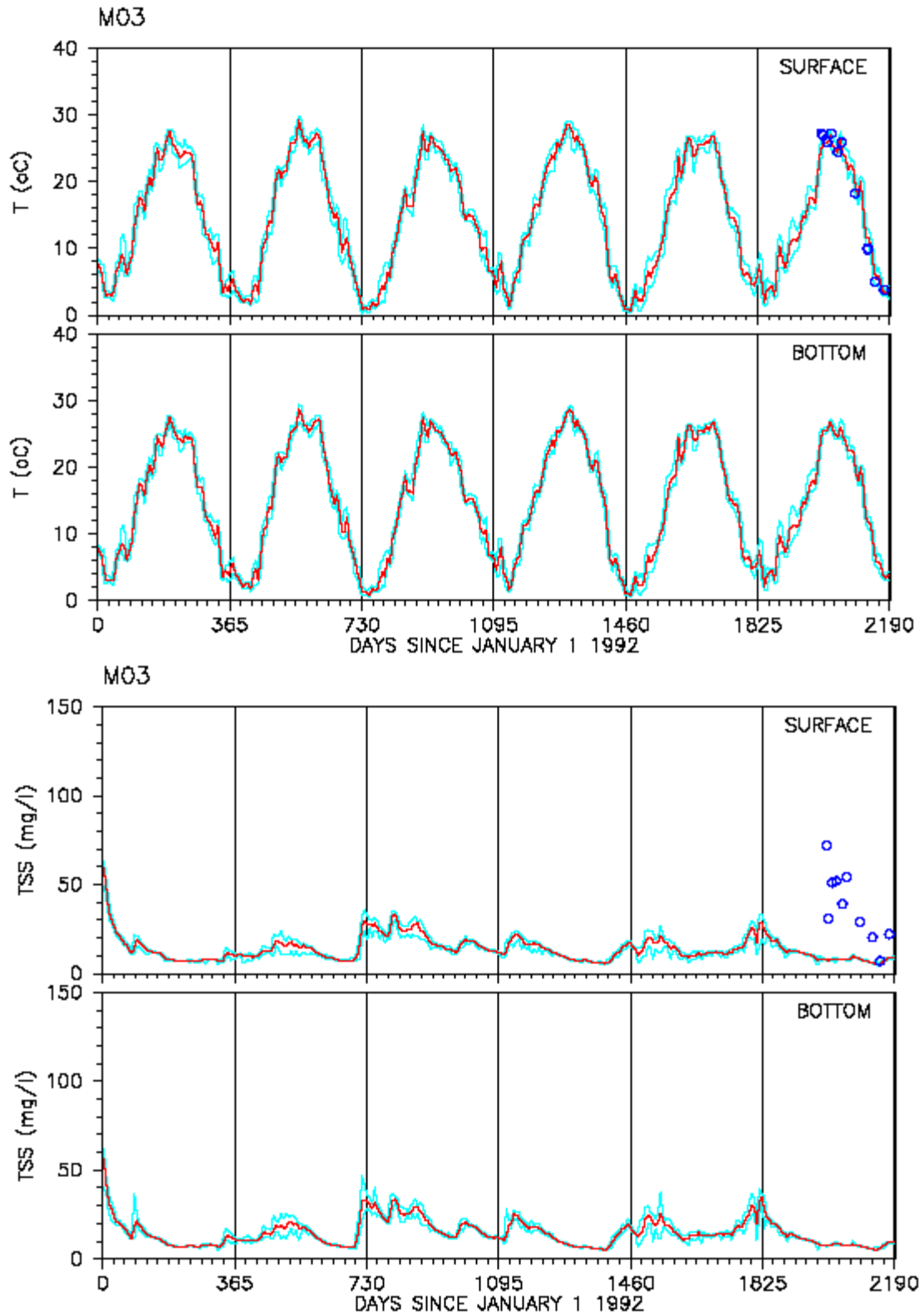


Fig. 37. Time series comparison of model calibration results and data for temperature and total suspended solids in Back River (M03)

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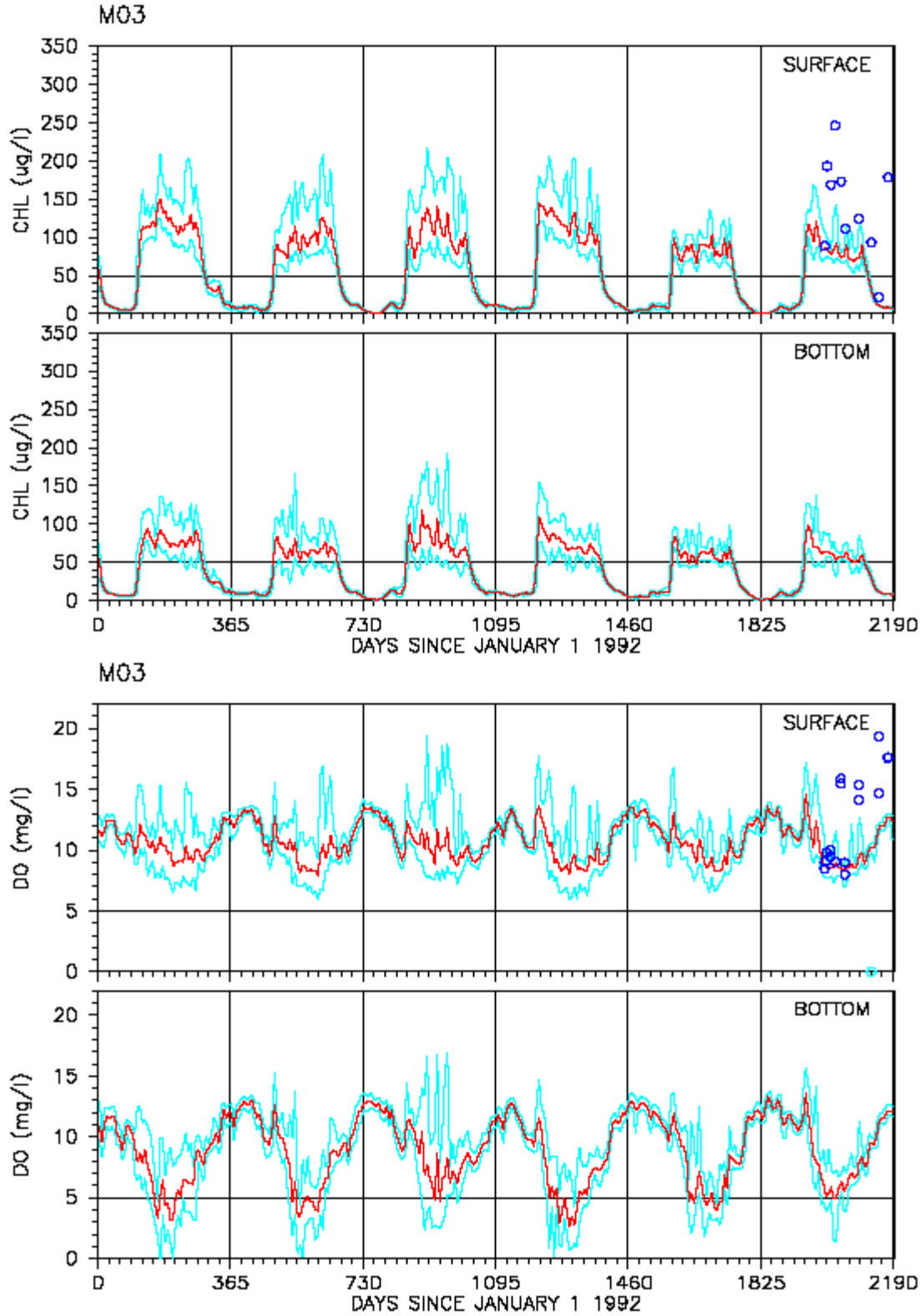


Fig. 38. Time series comparison of model calibration results and data for chlorophyll a and dissolved oxygen in Back River (M03)

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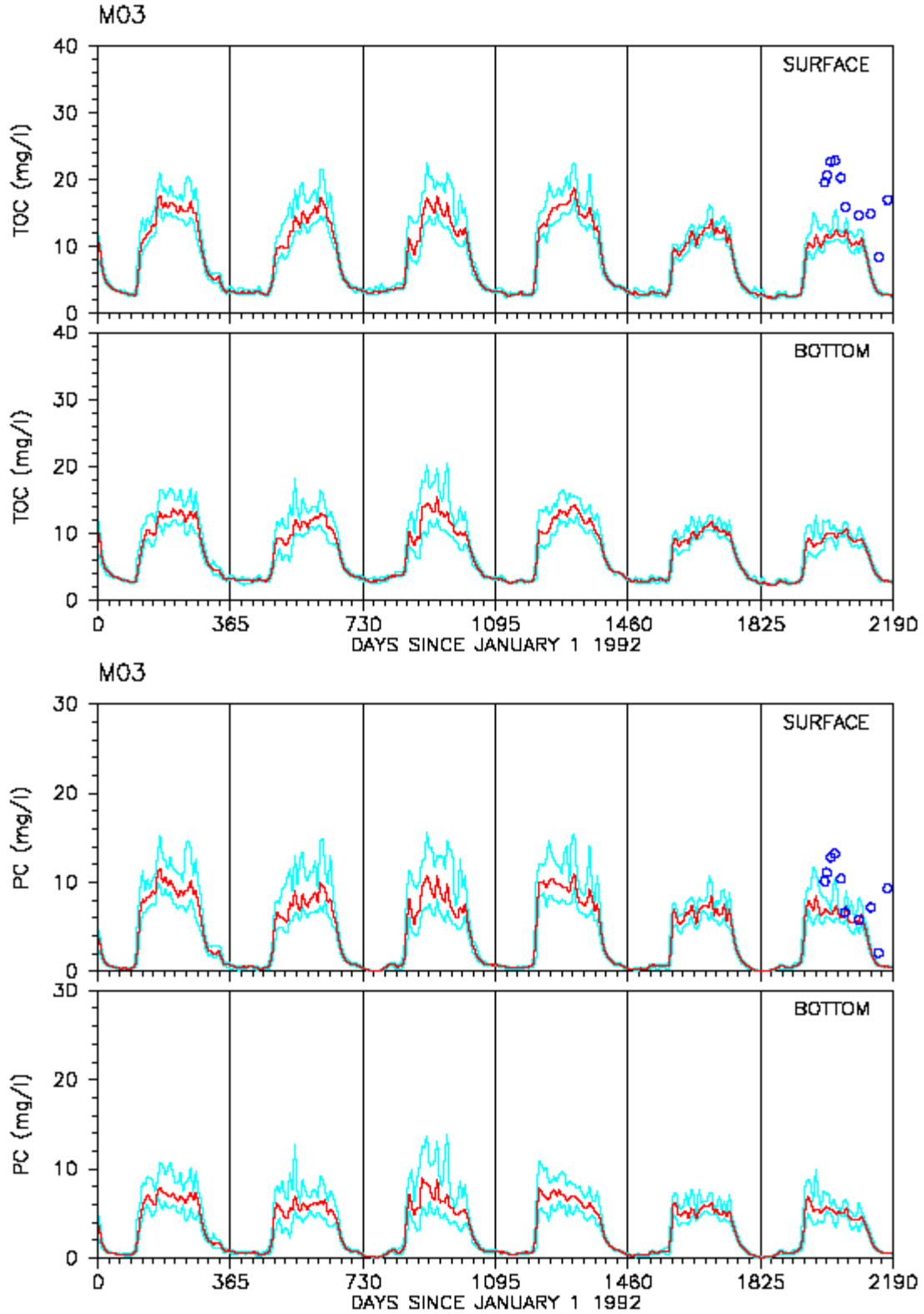


Fig. 39. Time series comparison of model calibration results and data for total organic carbon and particulate organic carbon in Back River (M03)



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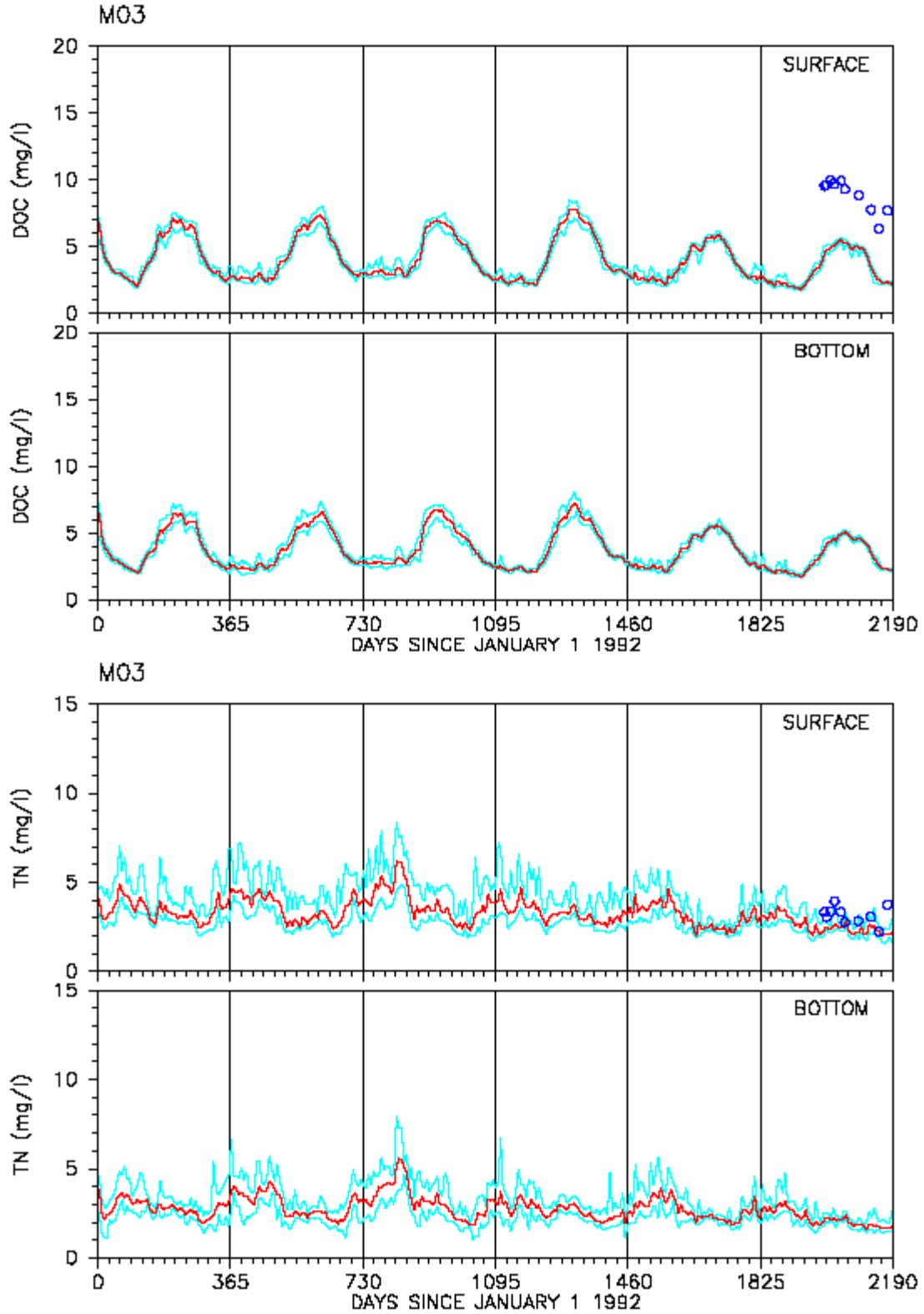


Fig. 40. Time series comparison of model calibration results and data for dissolved organic carbon and total nitrogen in Back River (M03)

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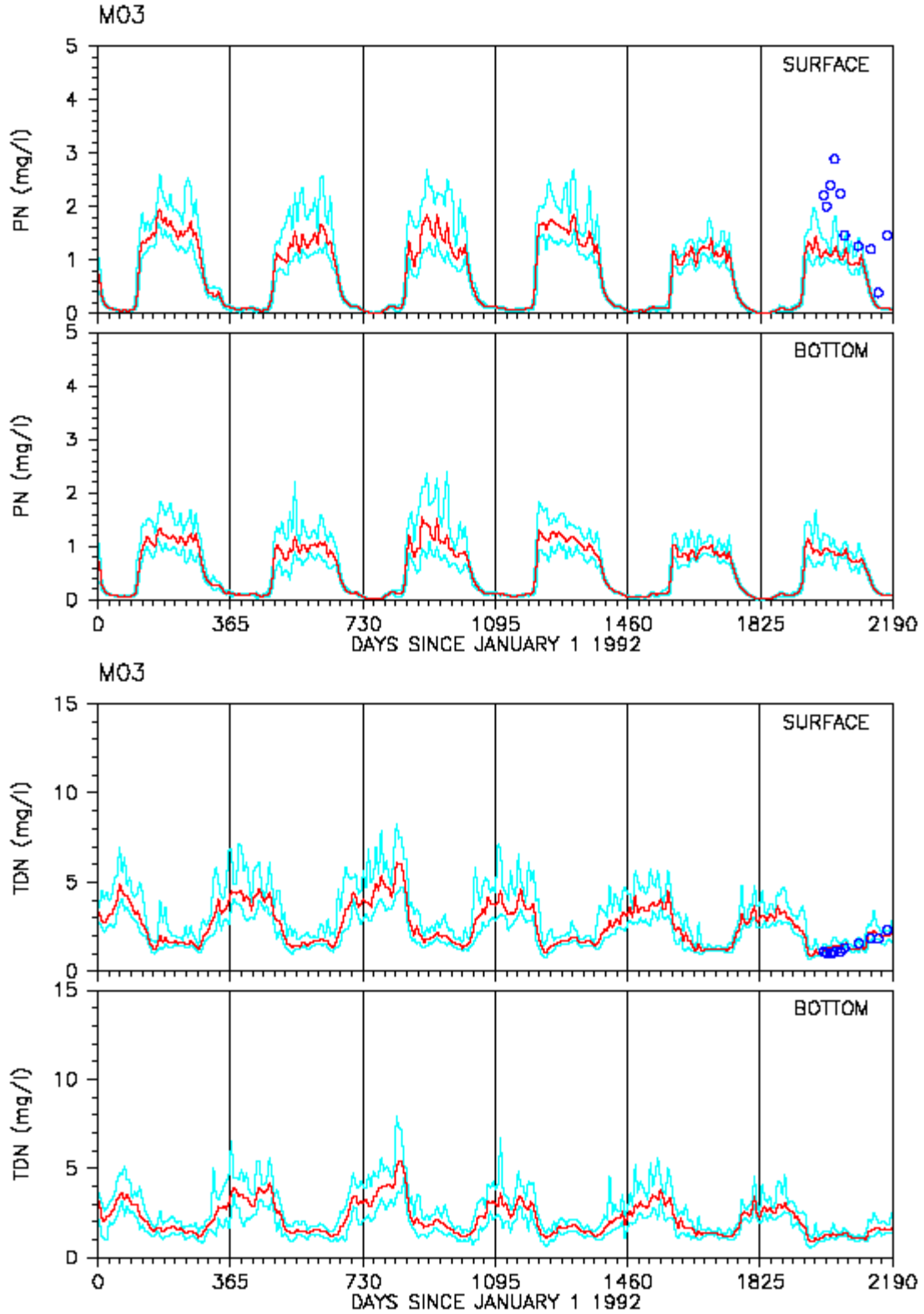


Fig. 41. Time series comparison of model calibration results and data for particulate nitrogen and total dissolved nitrogen in Back River (M03)

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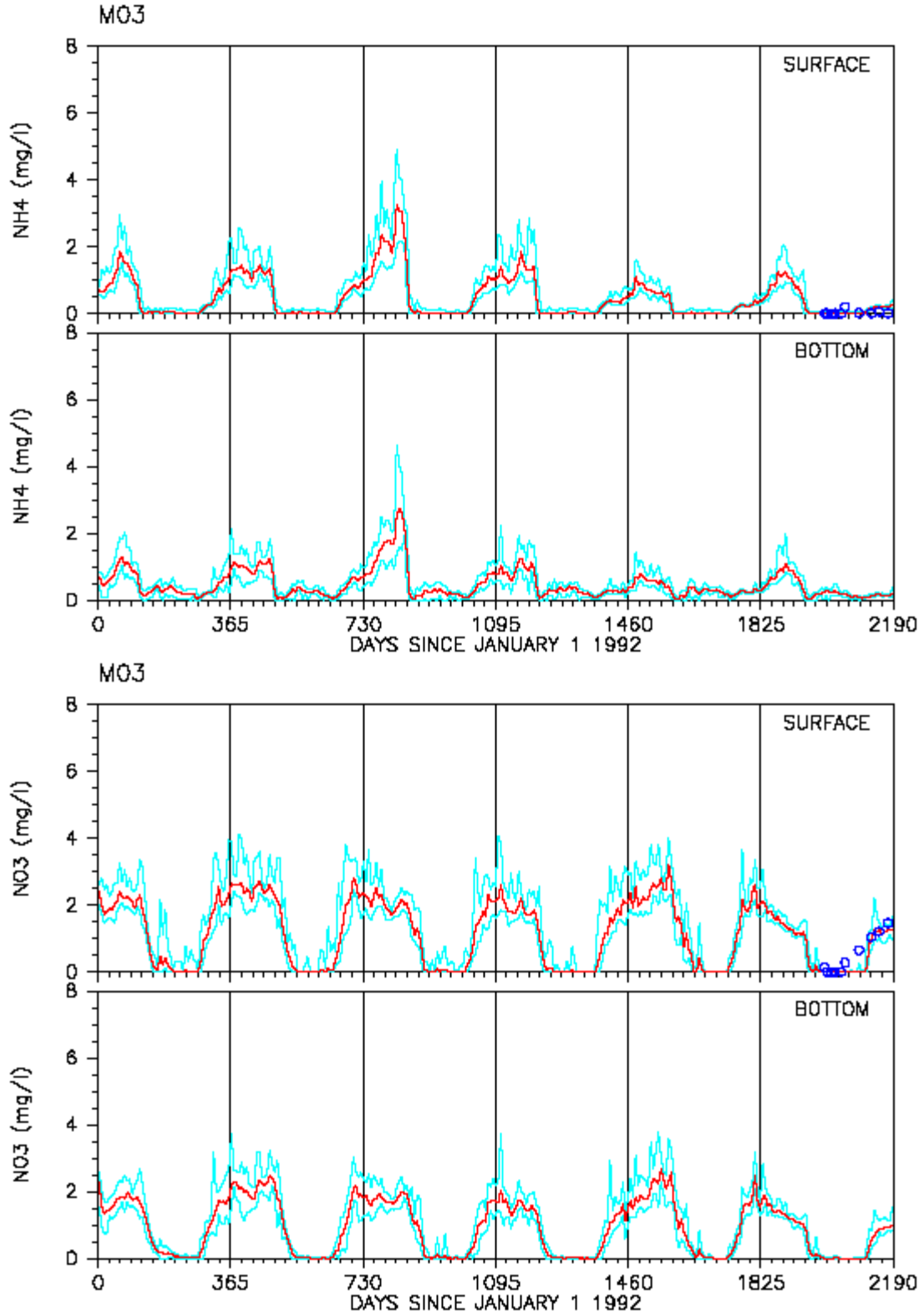


Fig. 42. Time series comparison of model calibration results and data for ammonia and nitrate nitrogen in Back River (M03)

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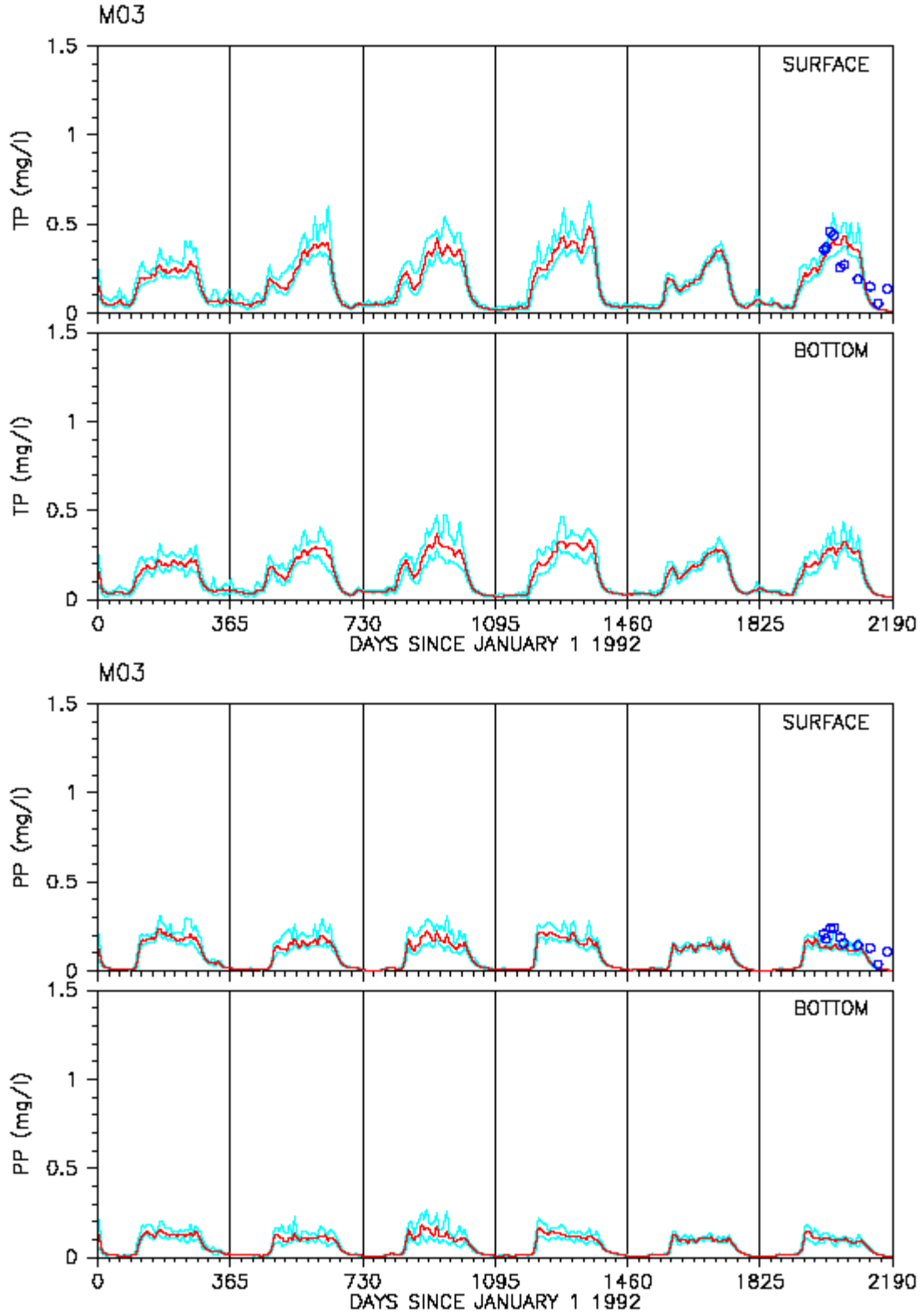


Fig. 43. Time series comparison of model calibration results and data for total phosphorus and particulate phosphorus in Back River (M03)

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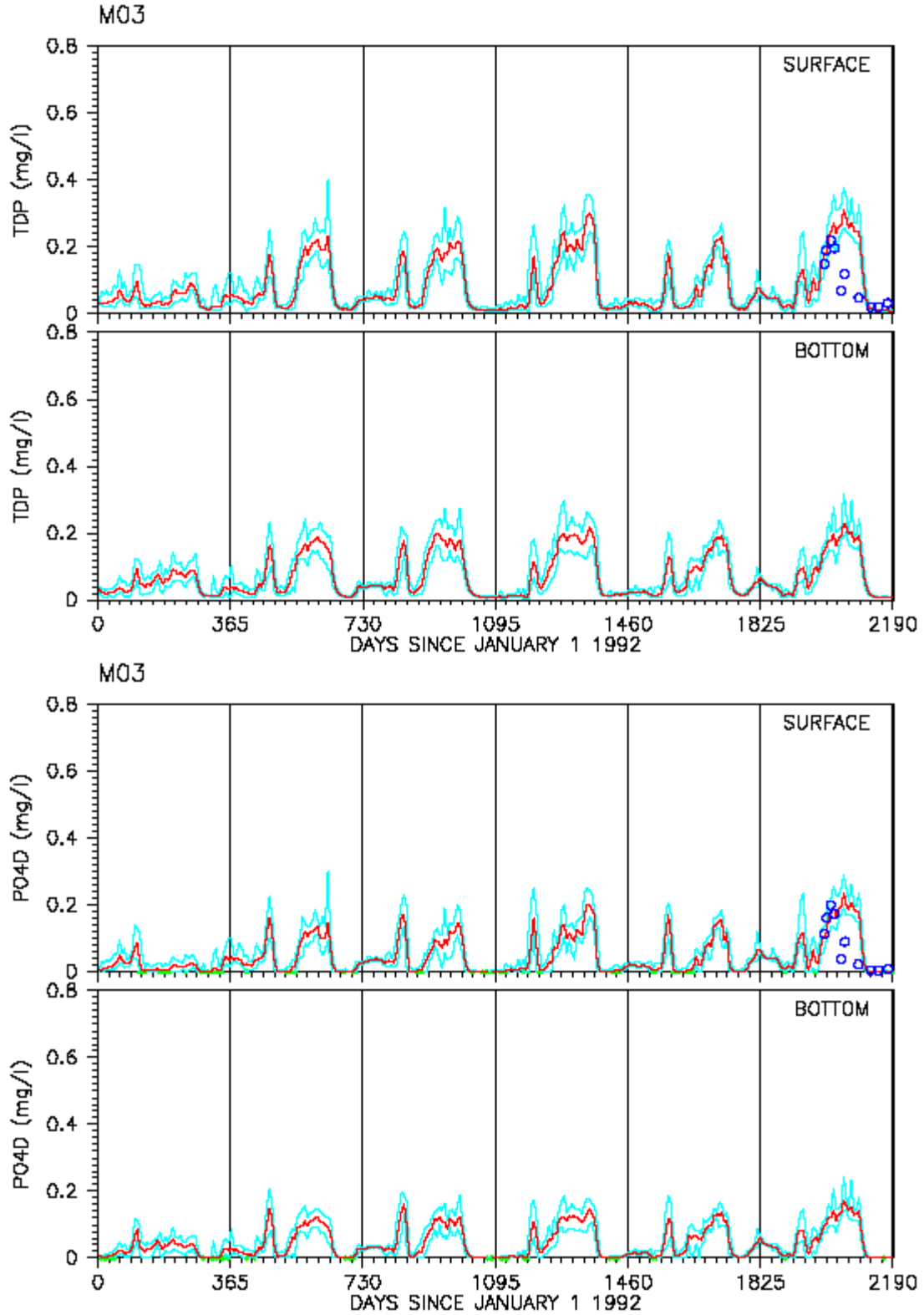


Fig. 44. Time series comparison of model calibration results and data for total dissolved phosphorus and dissolved phosphate in Back River (M03)

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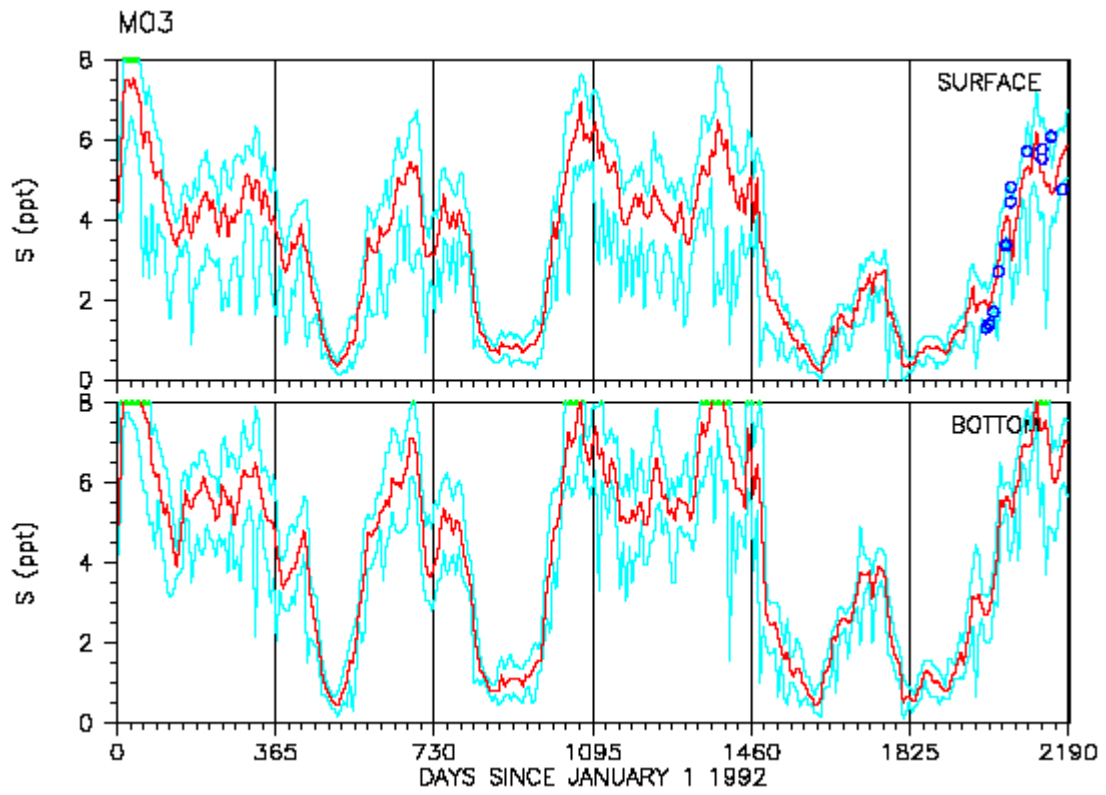


Fig. 45. Time series comparison of model calibration results and data for salinity in Back River (M03)

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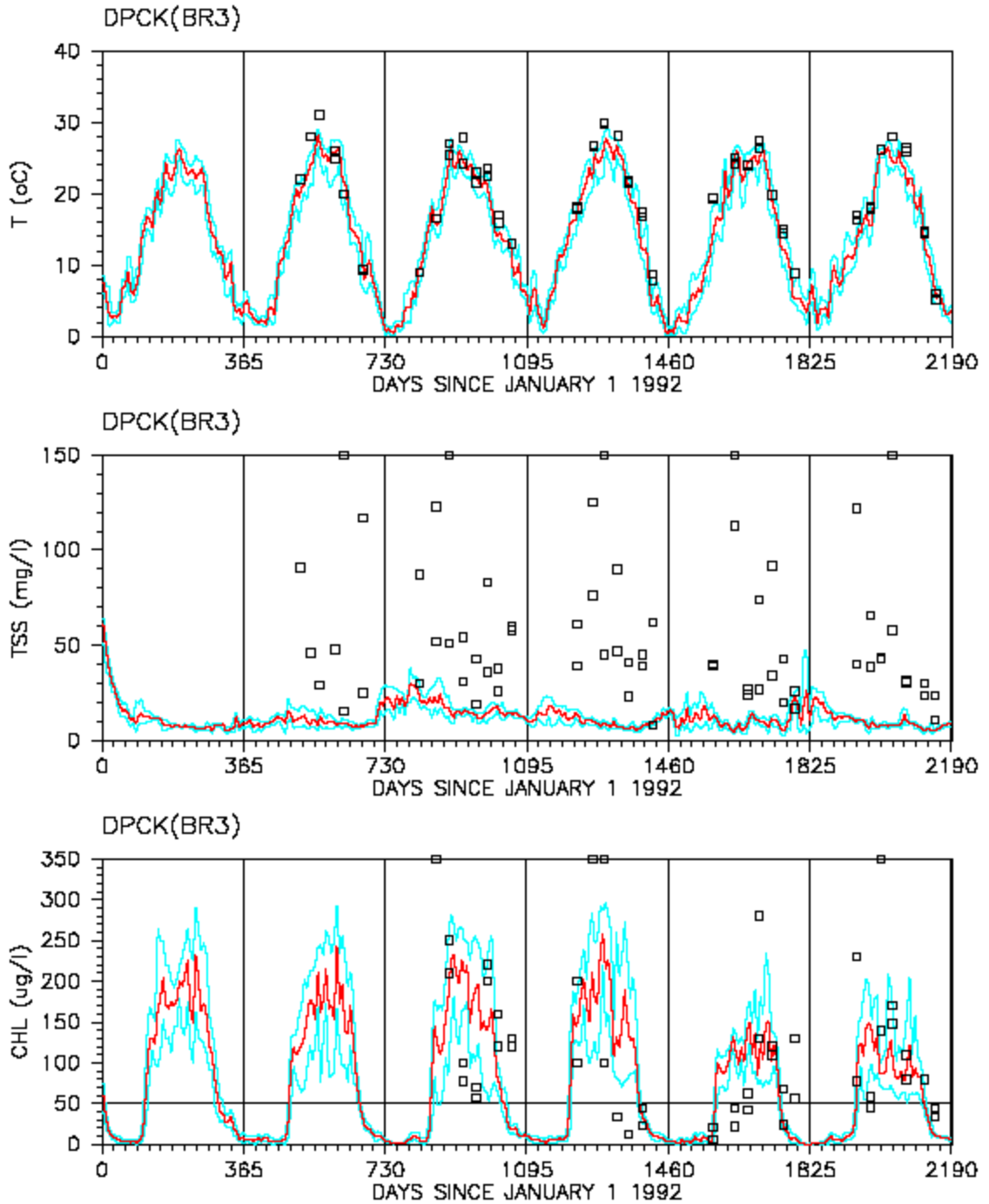


Fig. 46. Time series comparison of model calibration results and data for temperature, total suspended solids, and chlorophyll a in Back River (BR3)

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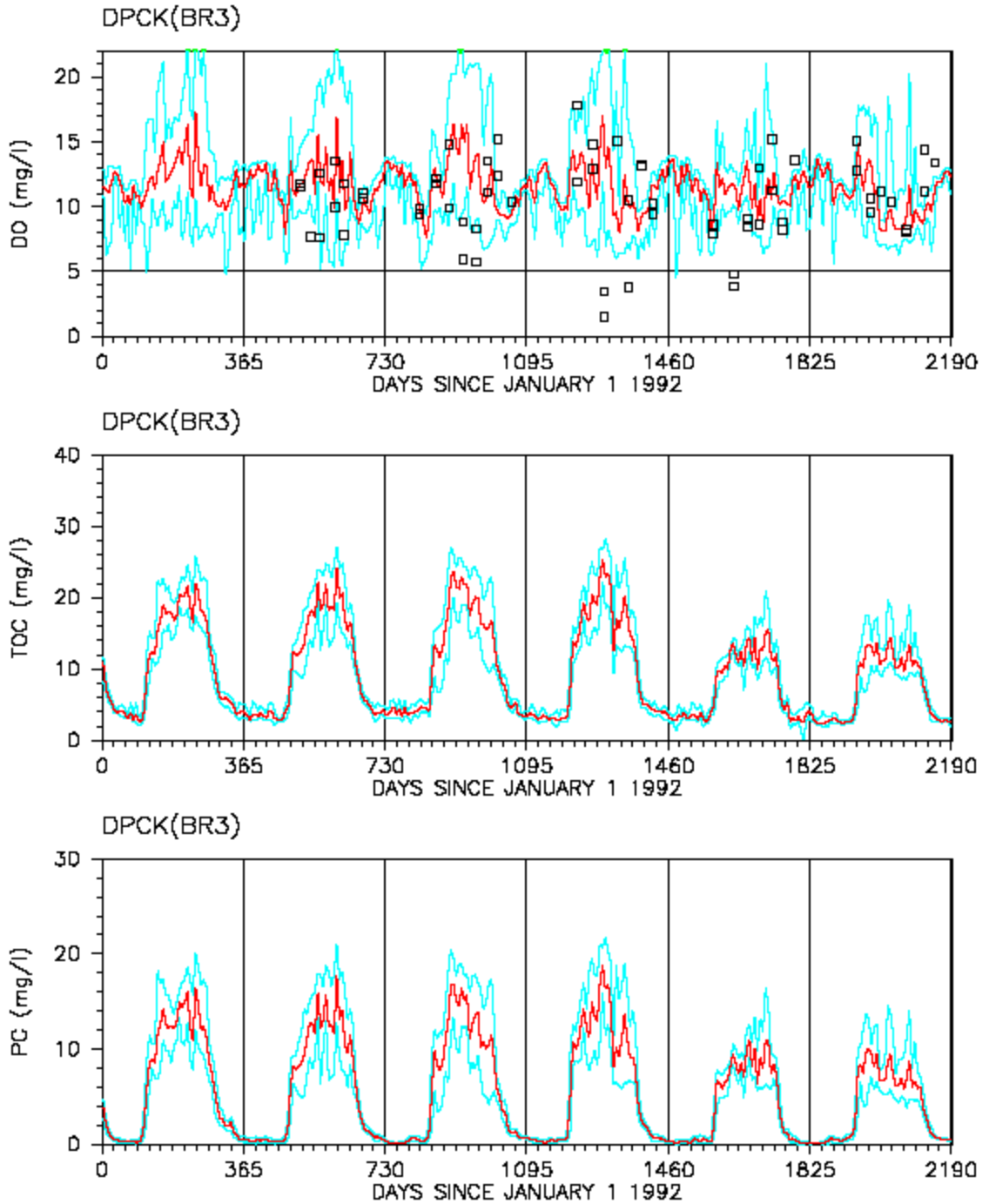


Fig. 47. Time series comparison of model calibration results and data for dissolved oxygen, total organic carbon, and particulate organic carbon in Back River (BR3)



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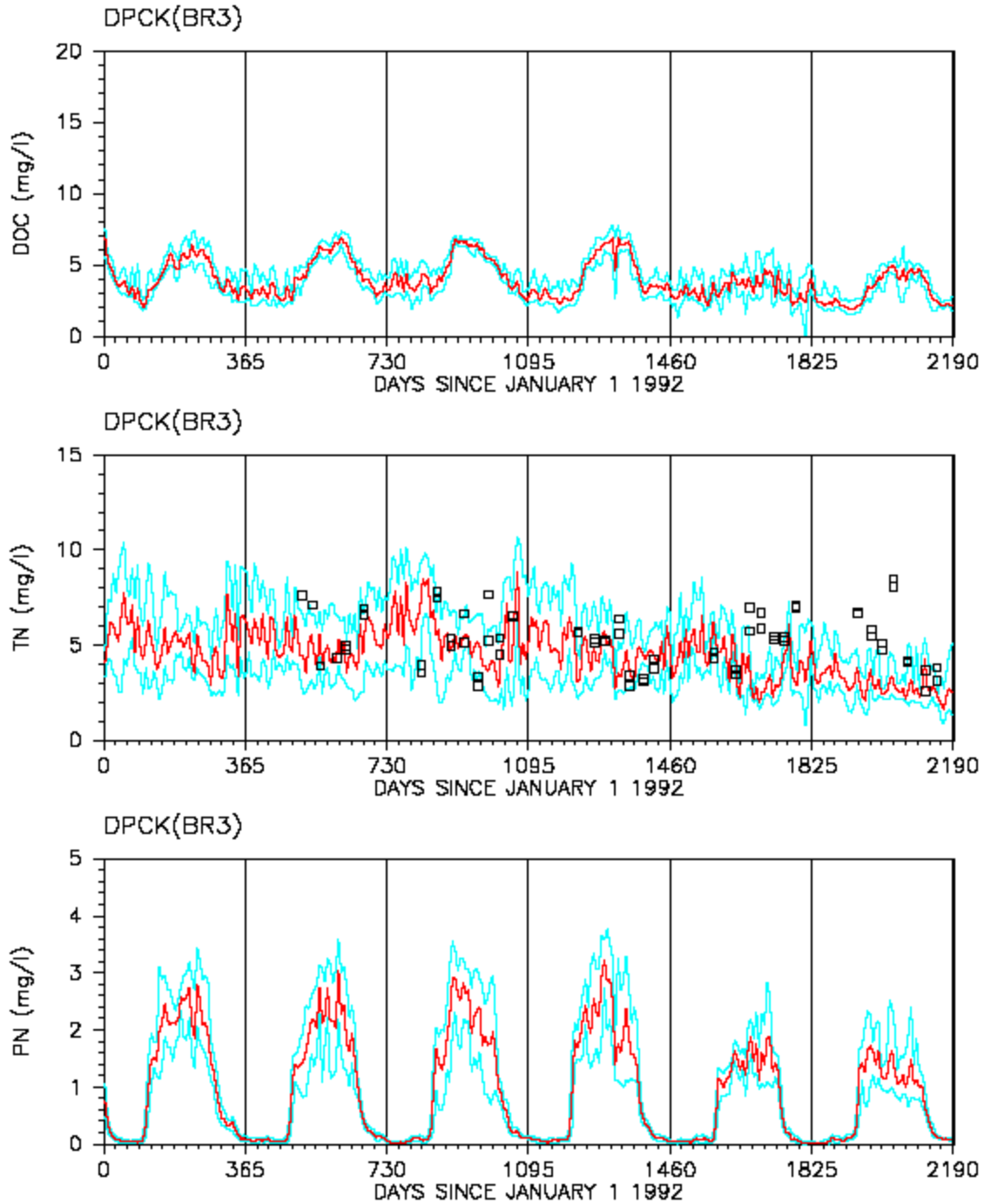


Fig. 48. Time series comparison of model calibration results and data for dissolved organic carbon, total nitrogen, and particulate nitrogen in Back River (BR3)

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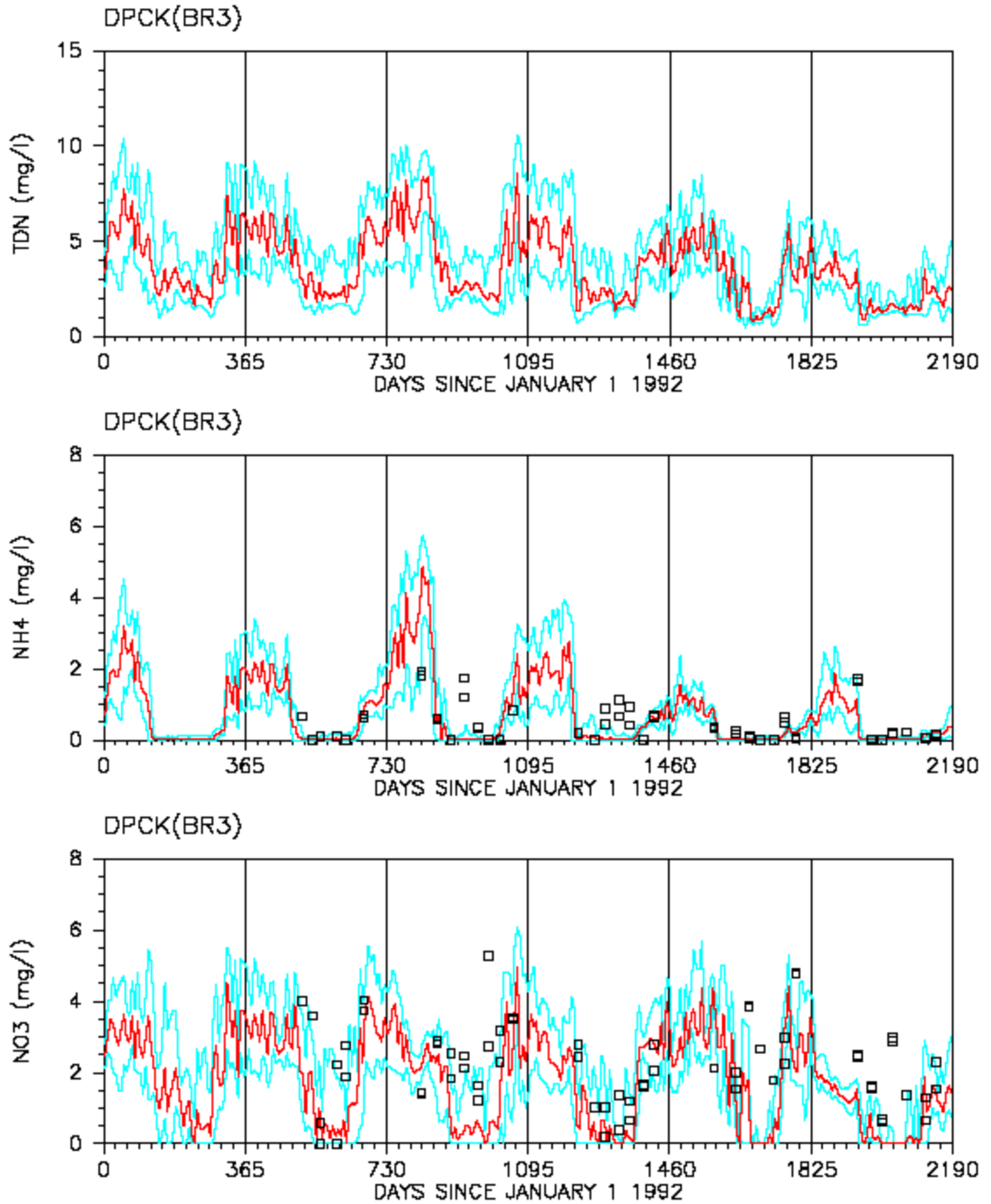


Fig. 49. Time series comparison of model calibration results and data for total dissolved nitrogen, ammonia, and nitrate nitrogen in Back River (BR3)

FINAL

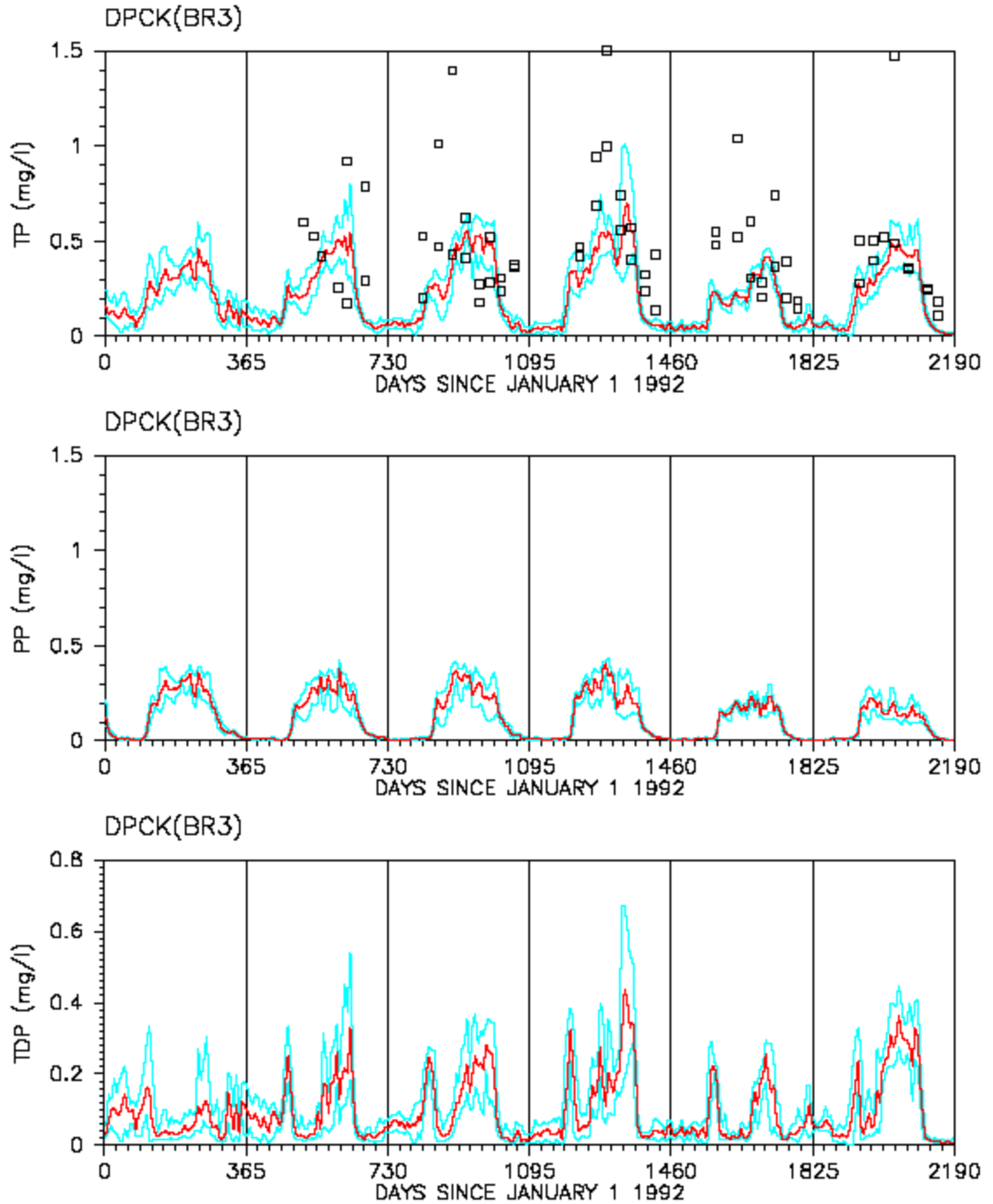


Fig. 50. Time series comparison of model calibration results and data for total phosphorus, particulate phosphorus, and total dissolved phosphorus in Back River (BR3)

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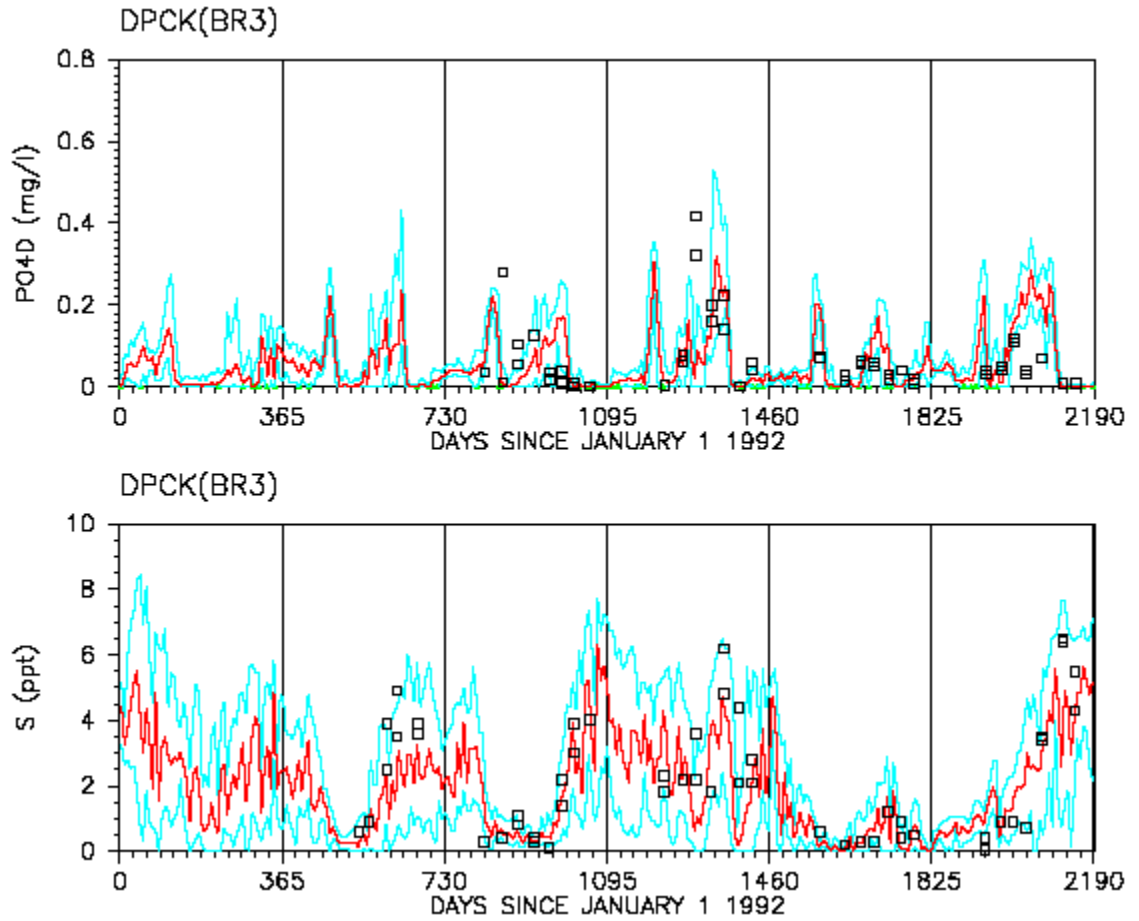


Fig. 51. Time series comparison of model calibration results and data for dissolved phosphate and salinity in Back River (BR3)

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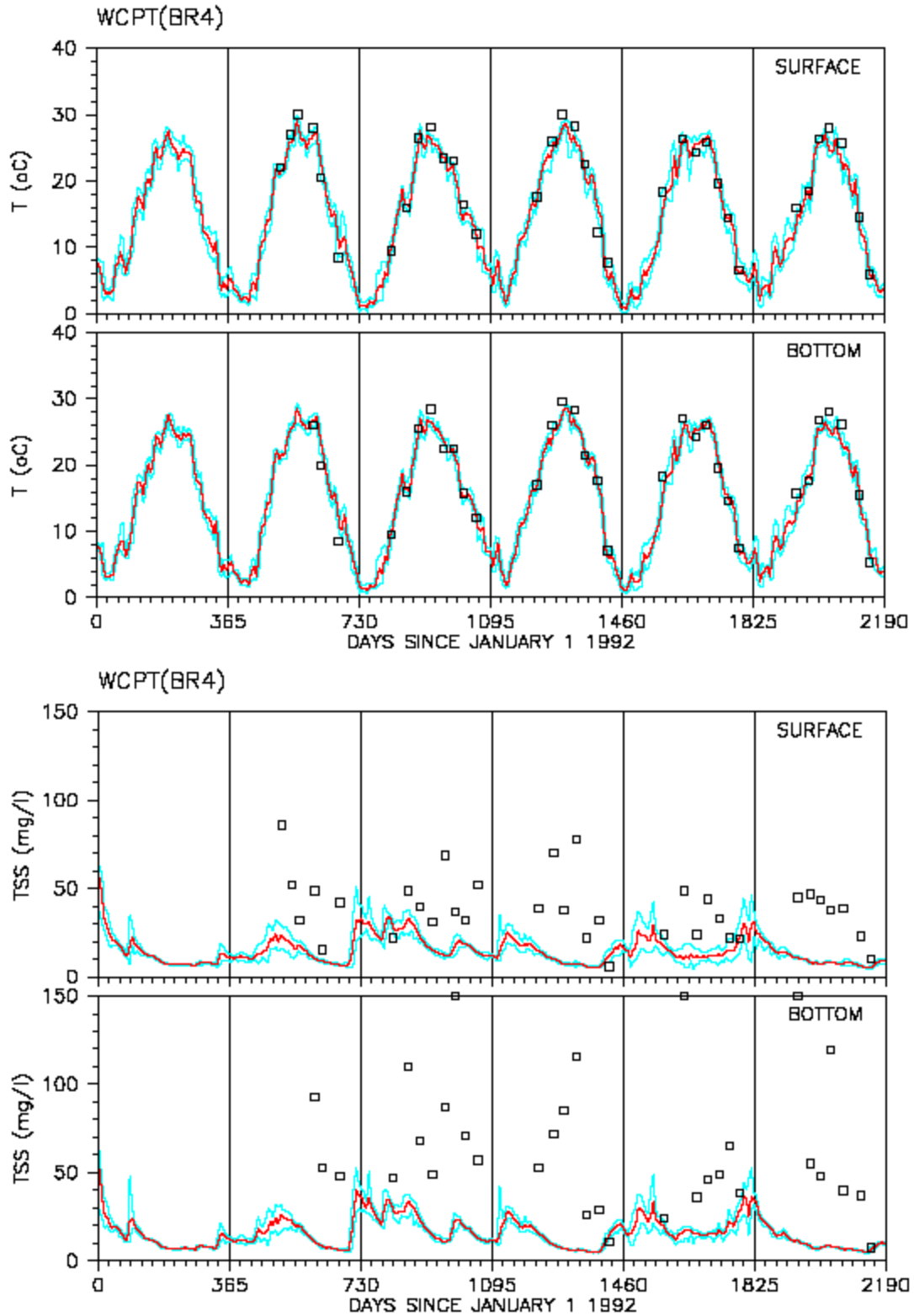


Fig. 52. Time series comparison of model calibration results and data for temperature and total suspended solids in Back River (BR4)

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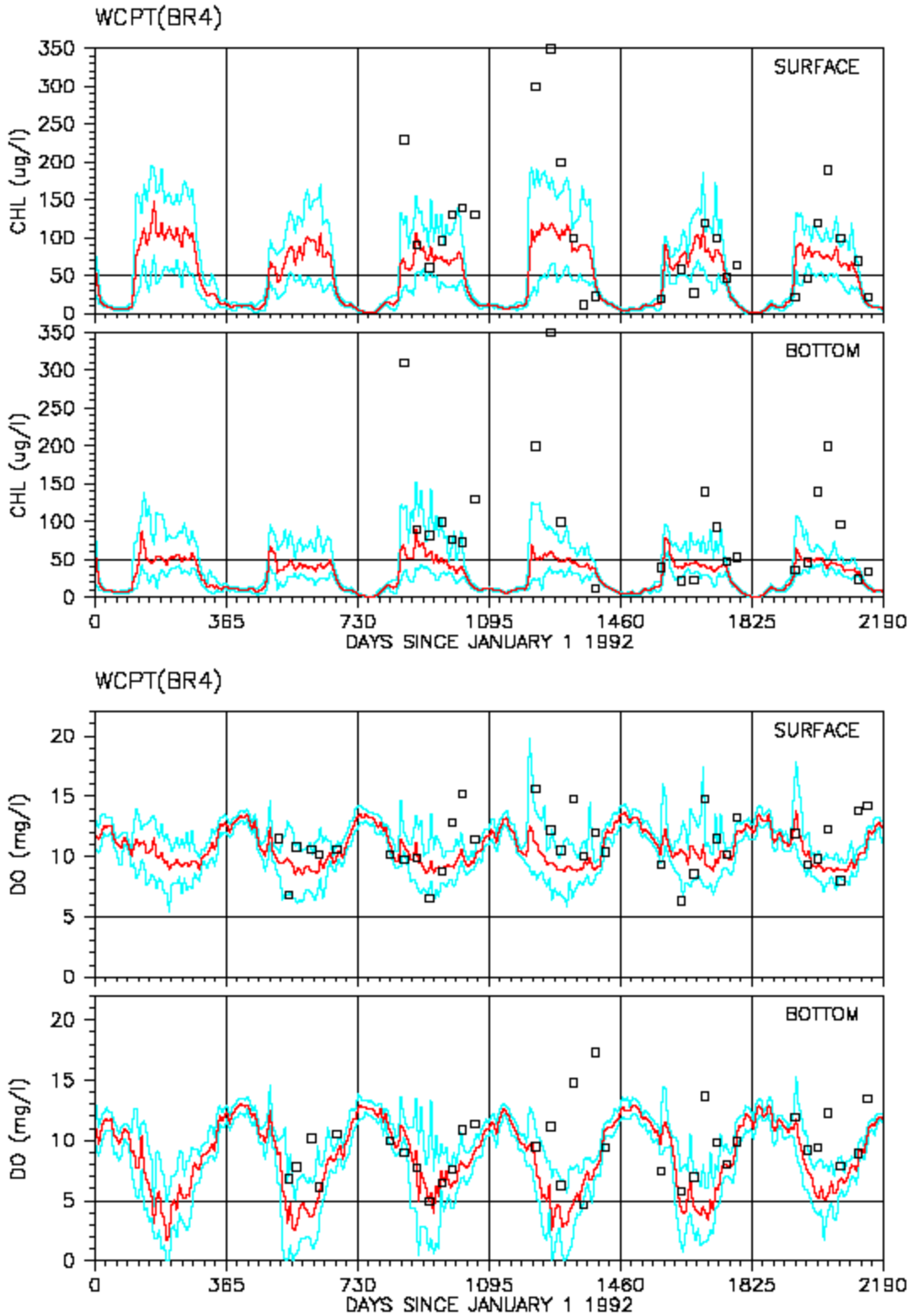


Fig. 53. Time series comparison of model calibration results and data for chlorophyll a and dissolved oxygen in Back River (BR4)

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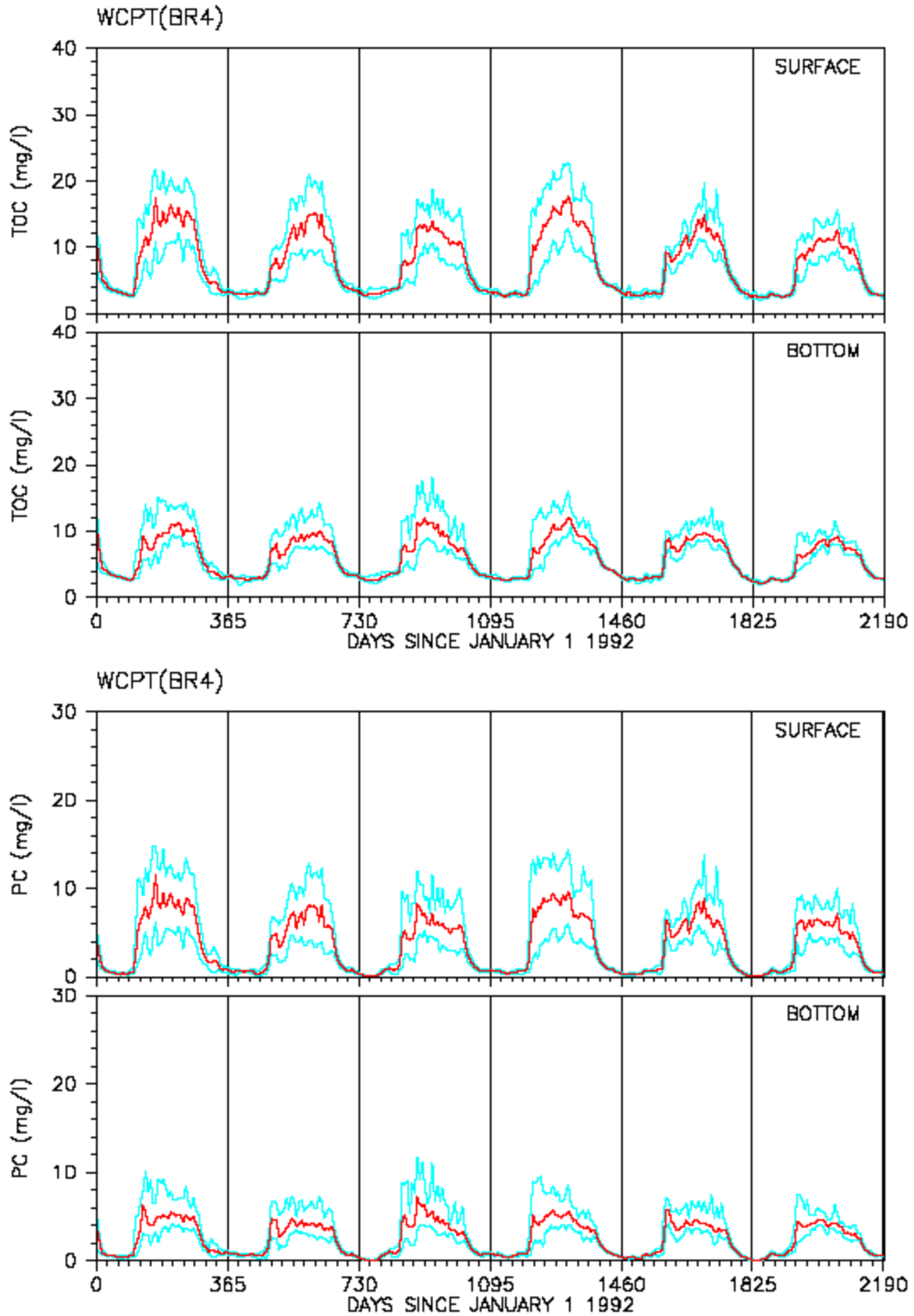


Fig. 54. Time series comparison of model calibration results and data for total organic carbon and particulate organic carbon in Back River (BR4)

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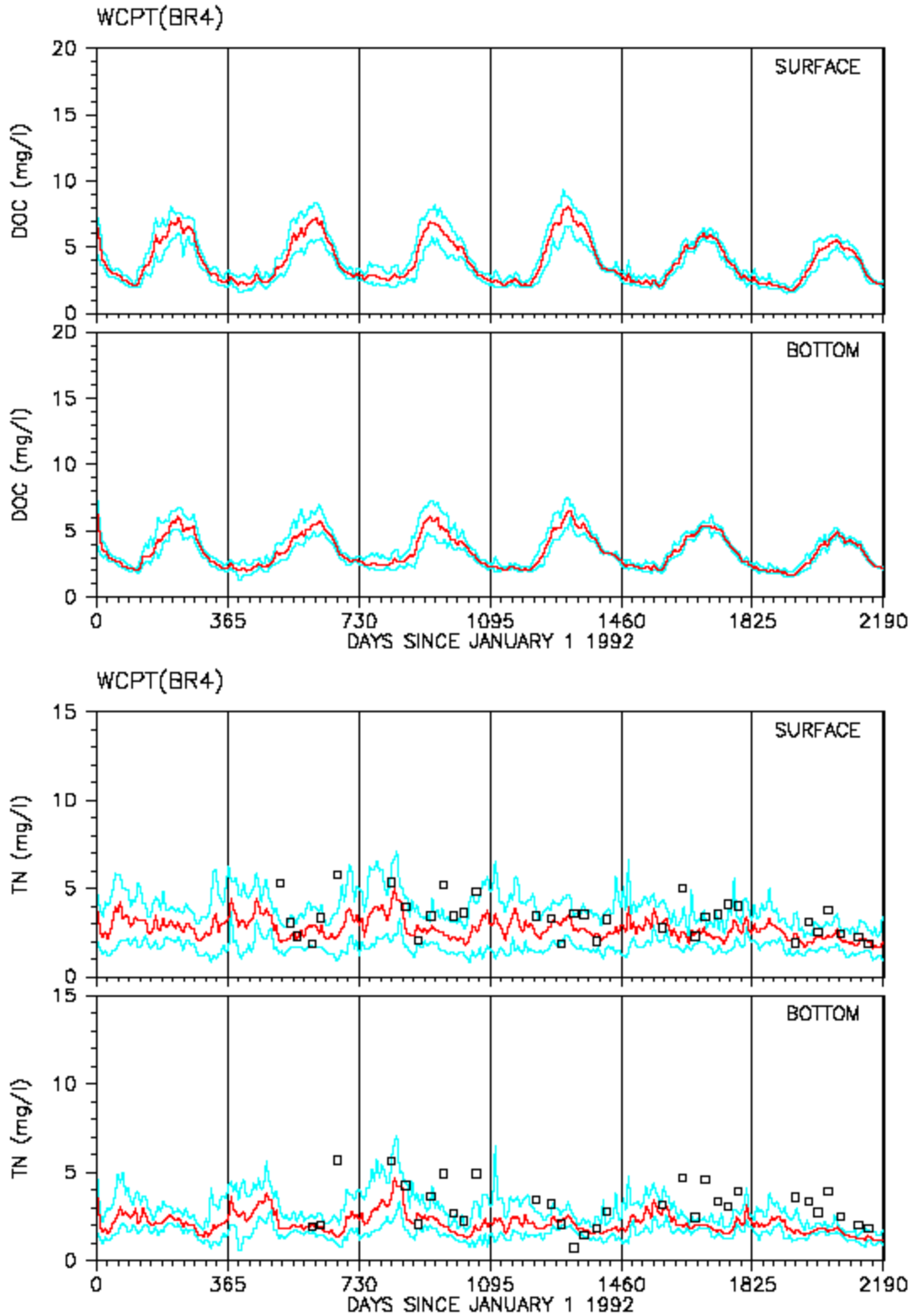


Fig. 55. Time series comparison of model calibration results and data for dissolved organic carbon and total nitrogen in Back River (BR4)



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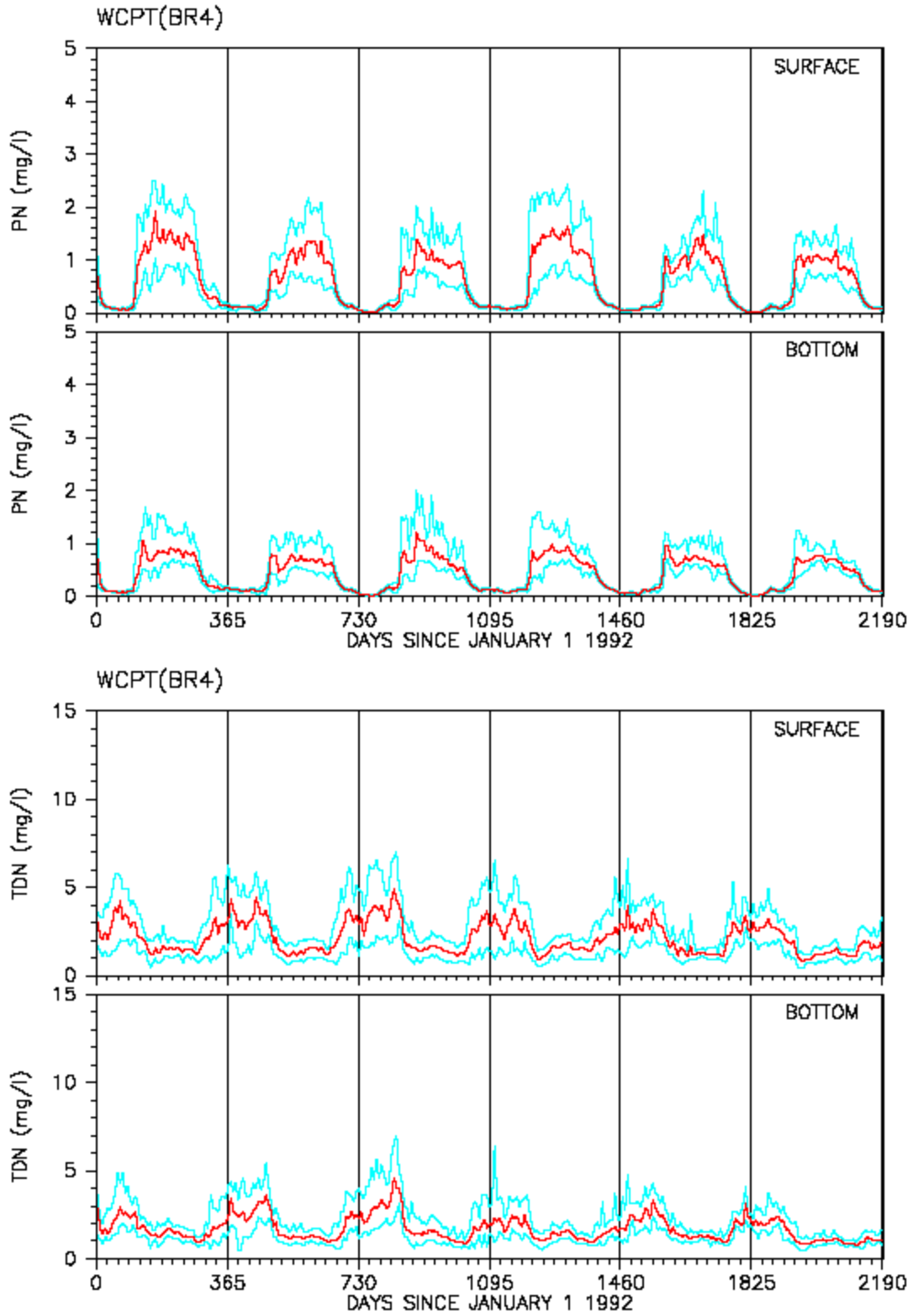


Fig. 56. Time series comparison of model calibration results and data for particulate nitrogen and total dissolved nitrogen in Back River (BR4)

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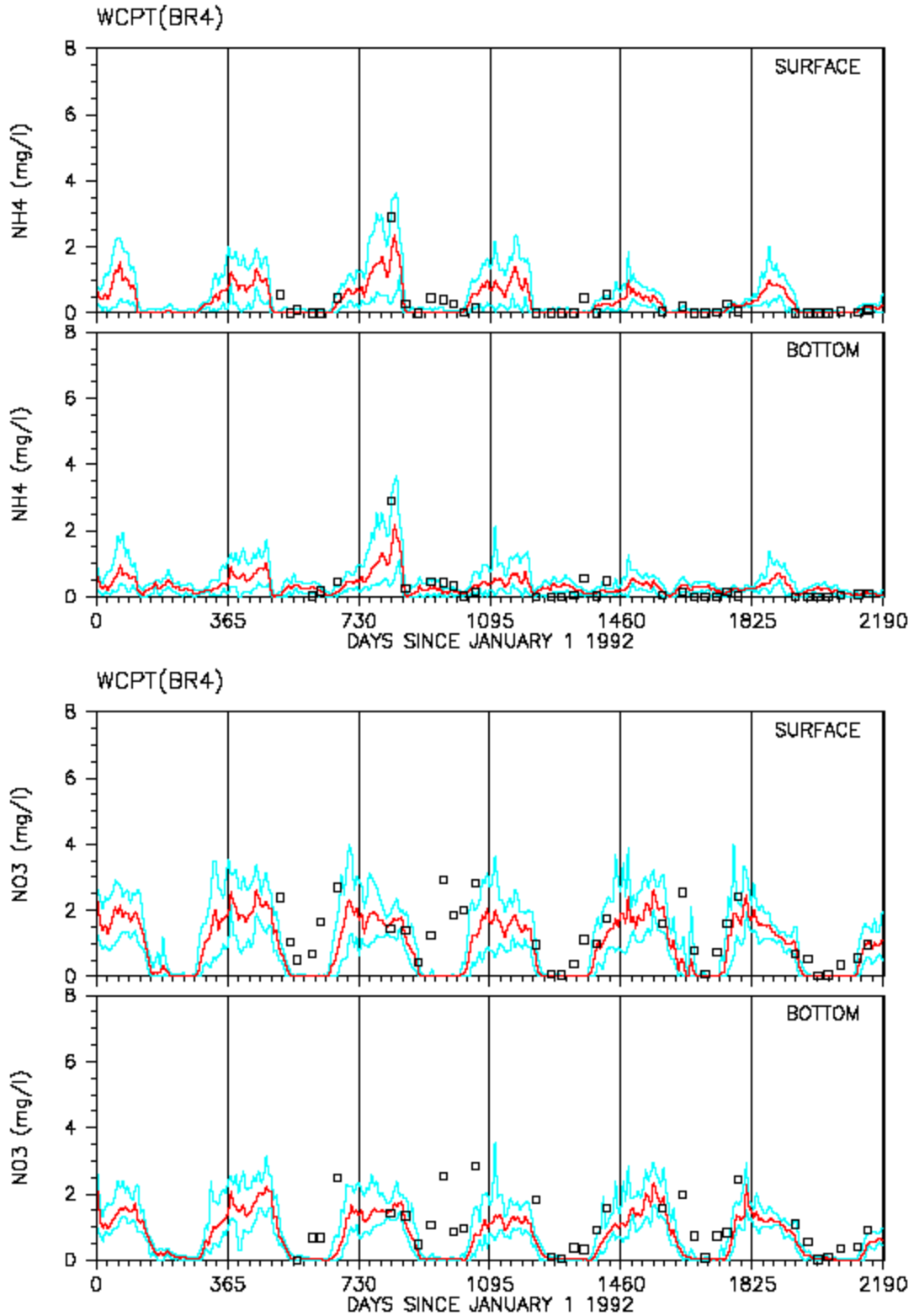


Fig. 57. Time series comparison of model calibration results and data for ammonia and nitrate nitrogen in Back River (BR4)

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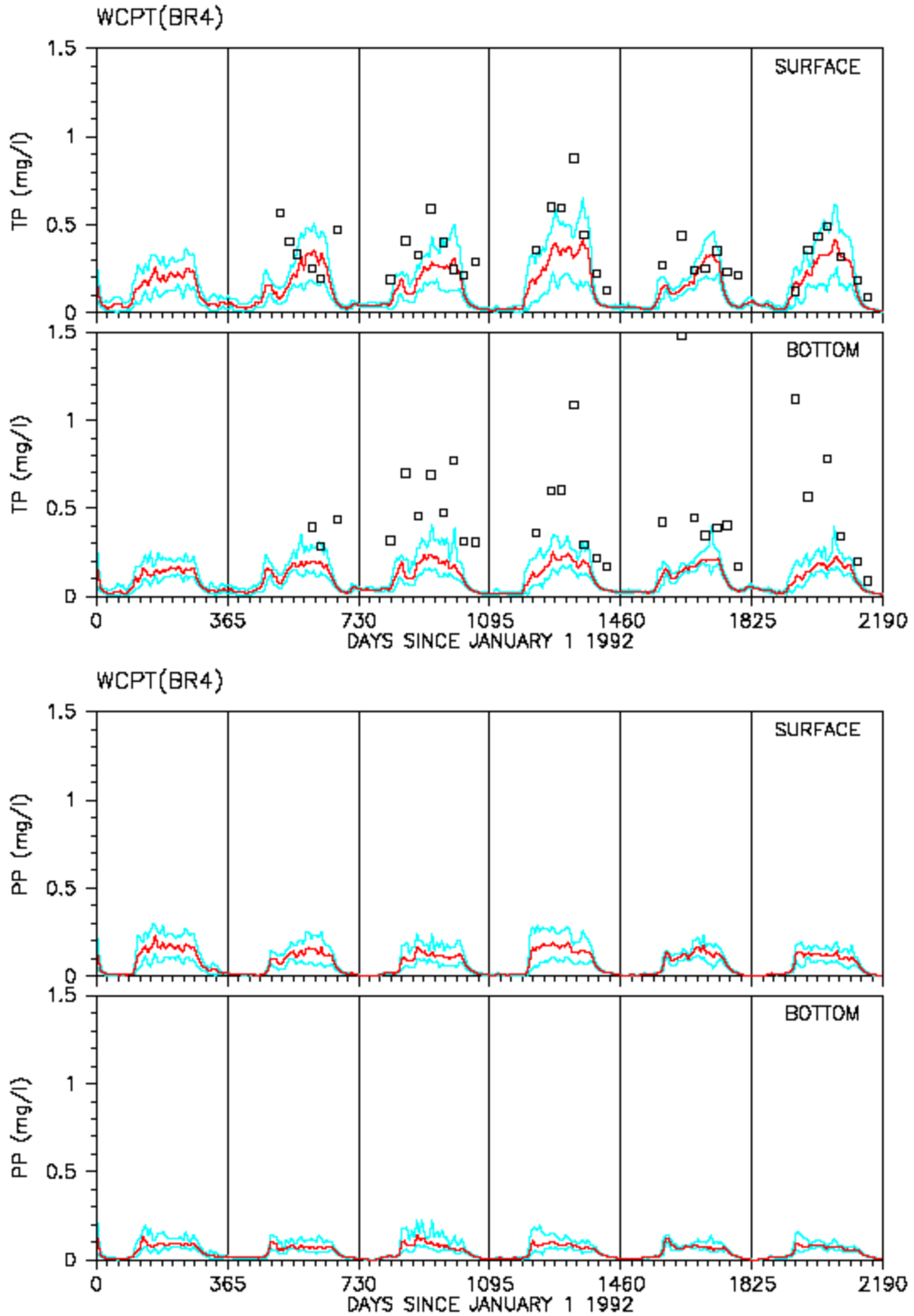


Fig. 58. Time series comparison of model calibration results and data for total phosphorus and particulate phosphorus in Back River (BR4)

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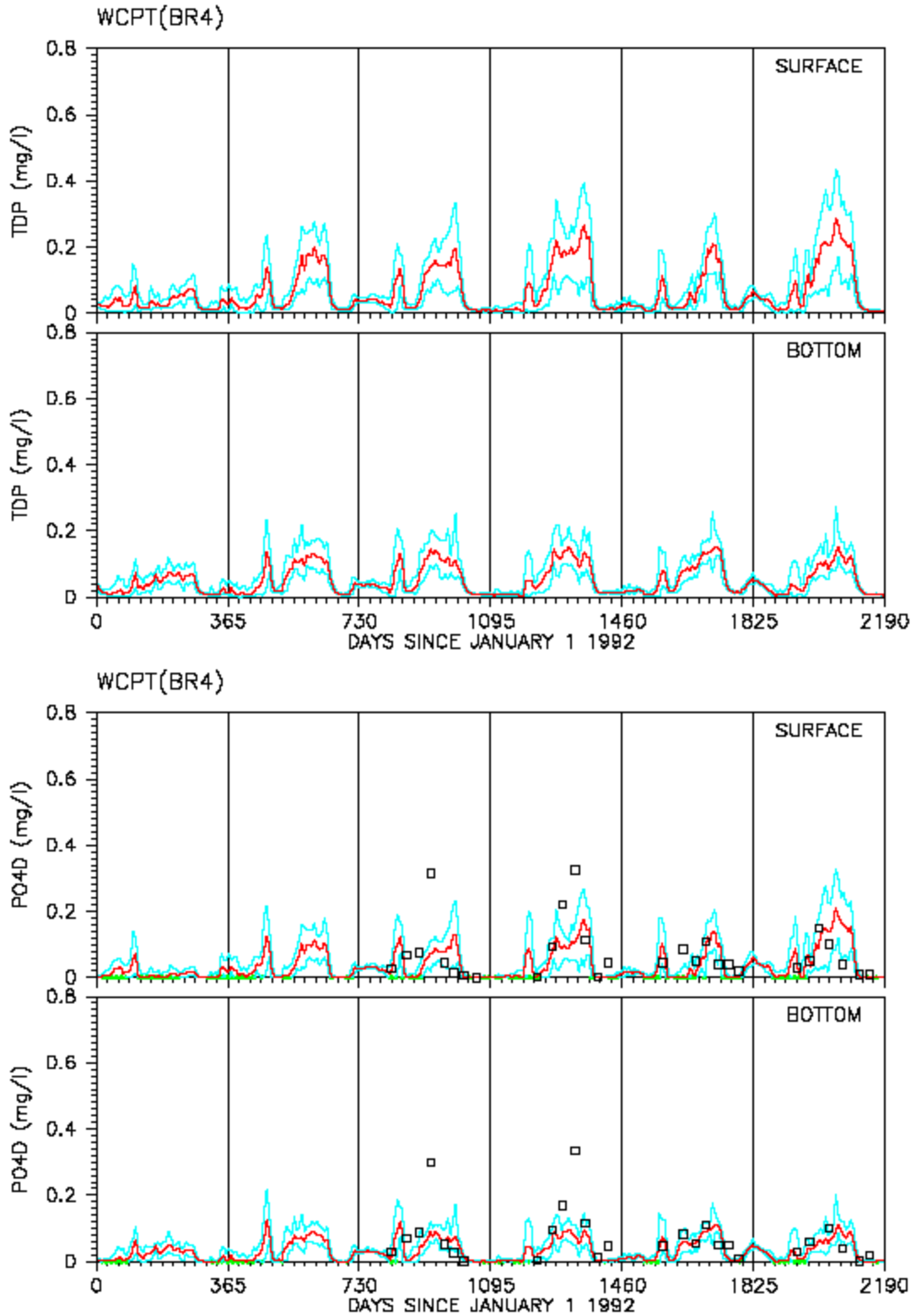


Fig. 59. Time series comparison of model calibration results and data for total dissolved phosphorus and dissolved phosphate in Back River (BR4)

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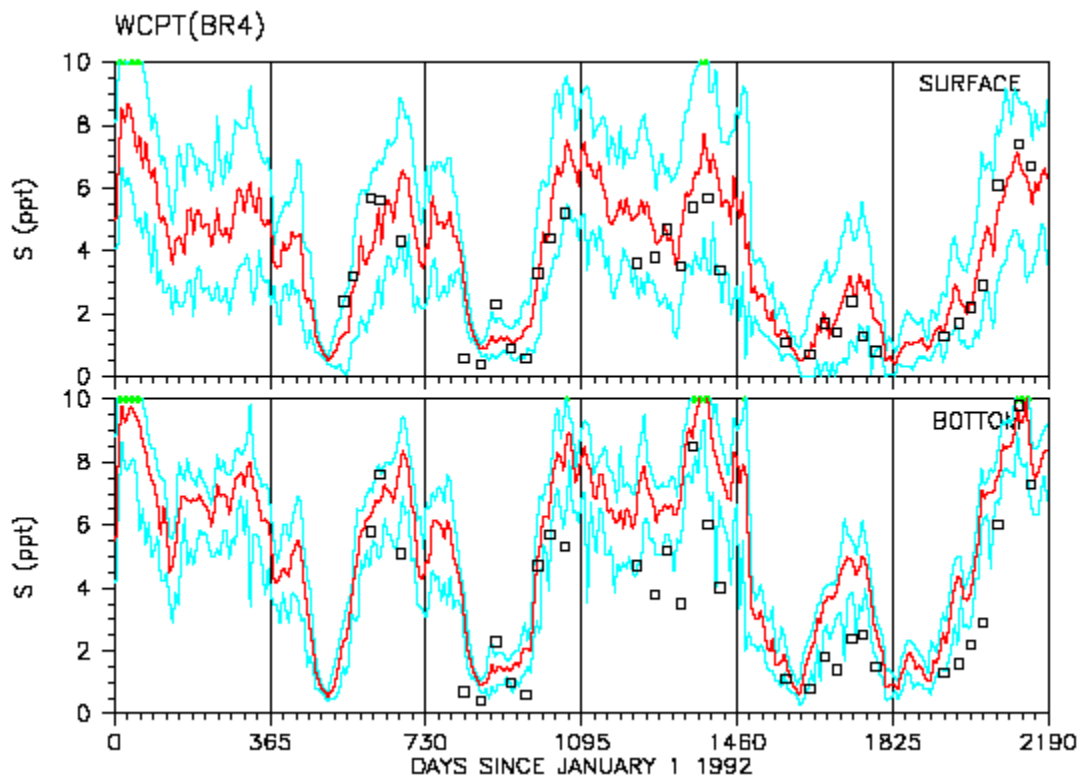


Fig. 60. Time series comparison of model calibration results and data for salinity in Back River (BR4)

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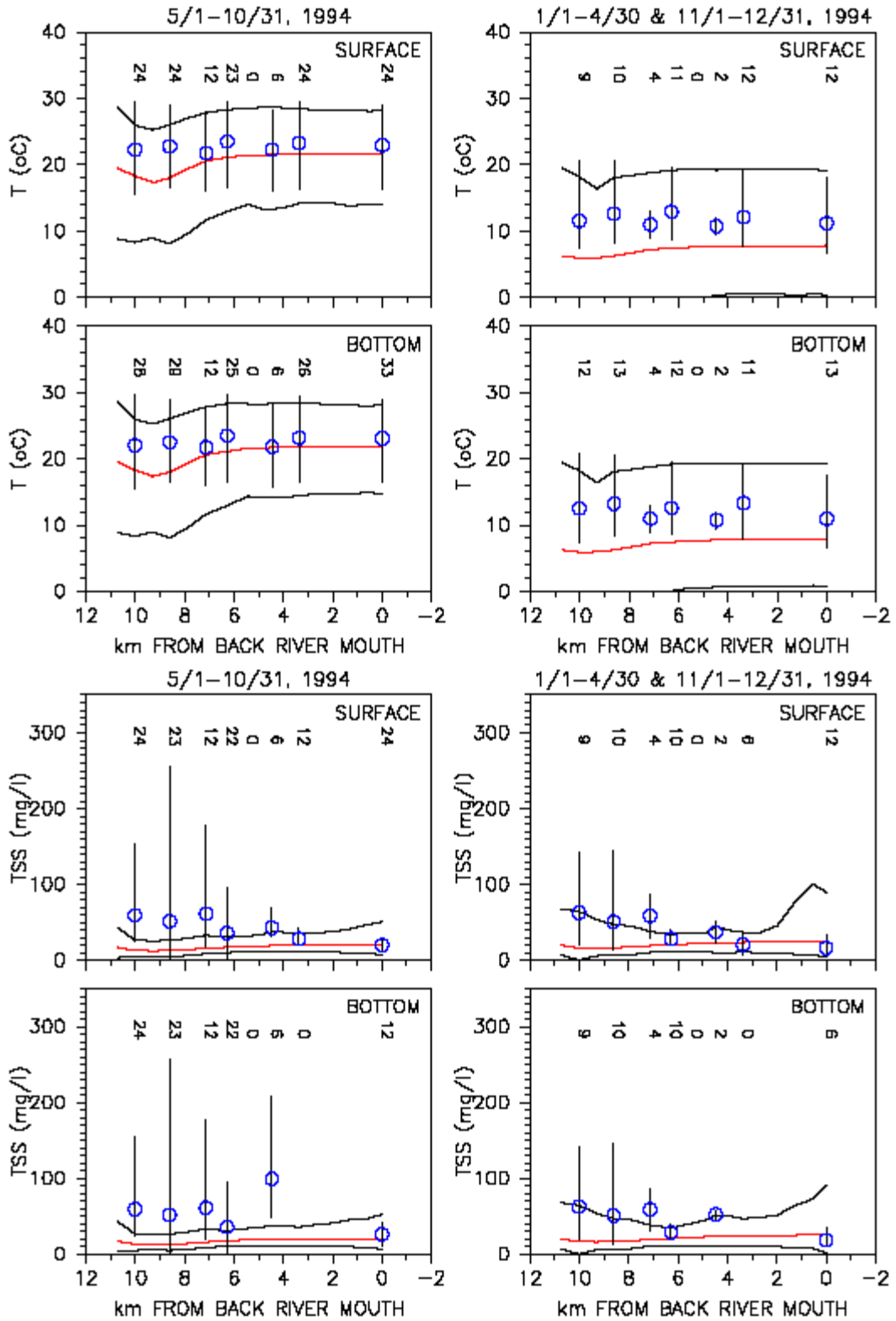


Fig. 61. Longitudinal comparison of model calibration results and data for temperature and total suspended solids in Back River transect

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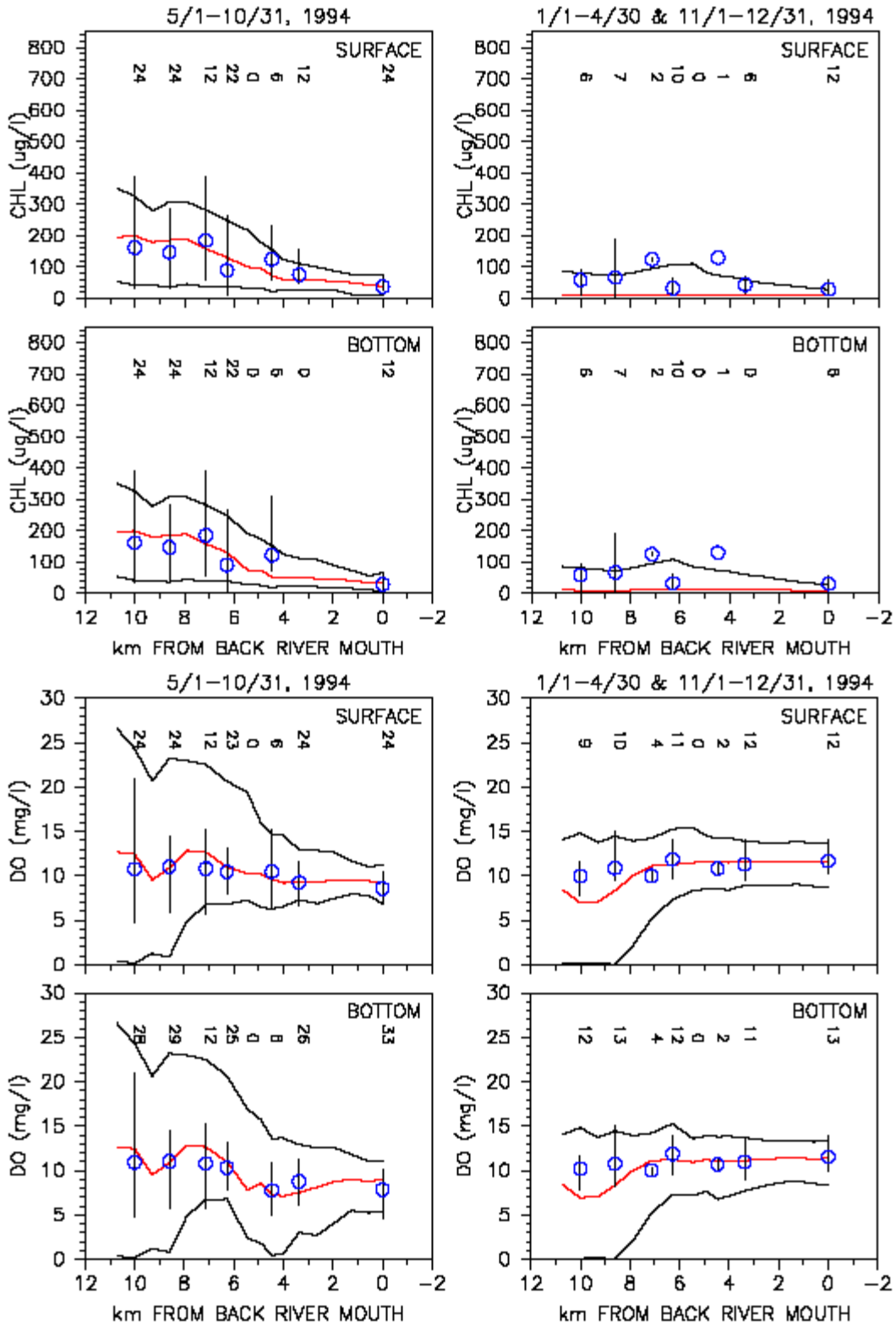


Fig. 62. Longitudinal comparison of model calibration results and data for chlorophyll a and dissolved oxygen in Back River transect

FINAL

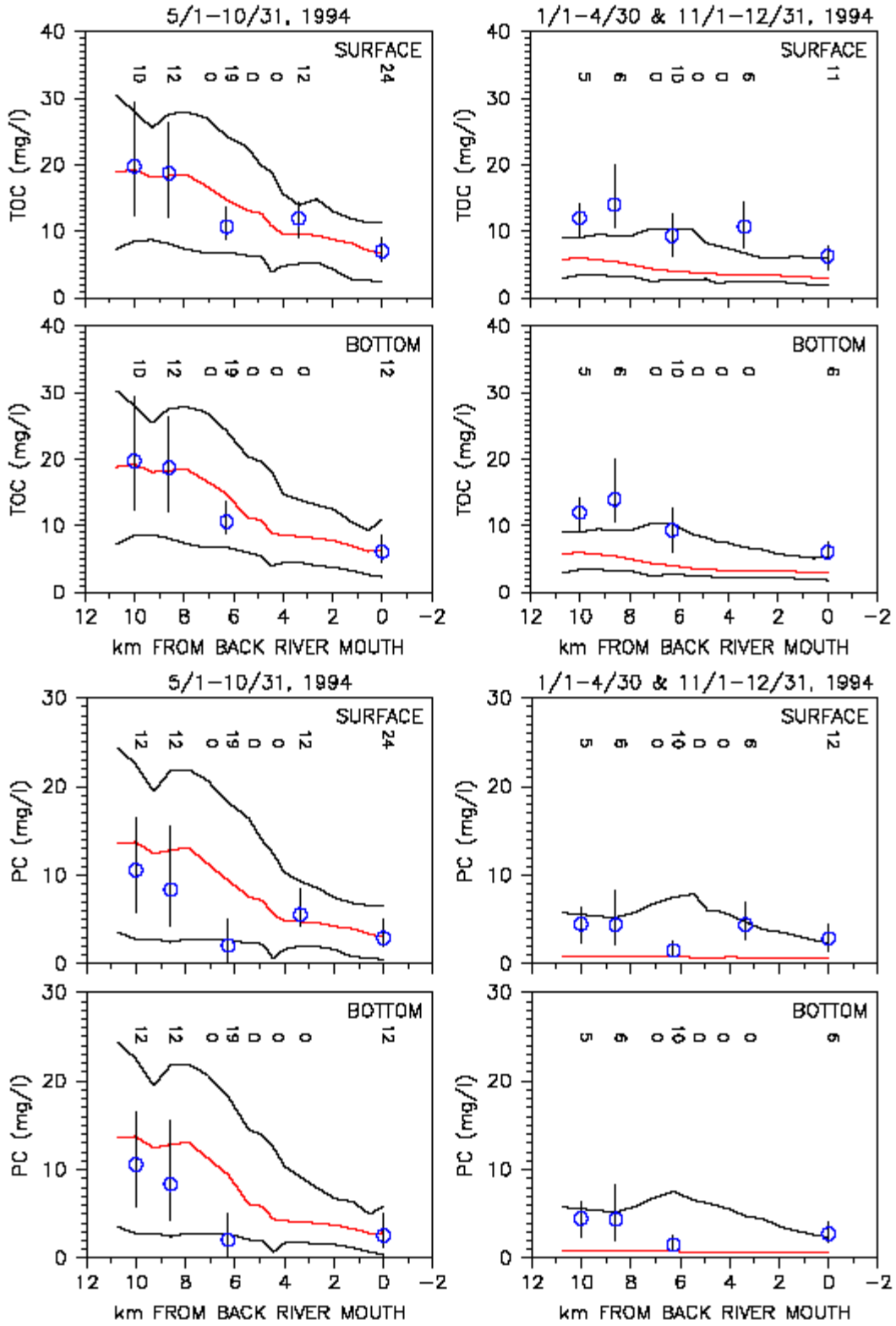


Fig. 63. Longitudinal comparison of model calibration results and data for total organic carbon and particulate organic carbon in Back River transect



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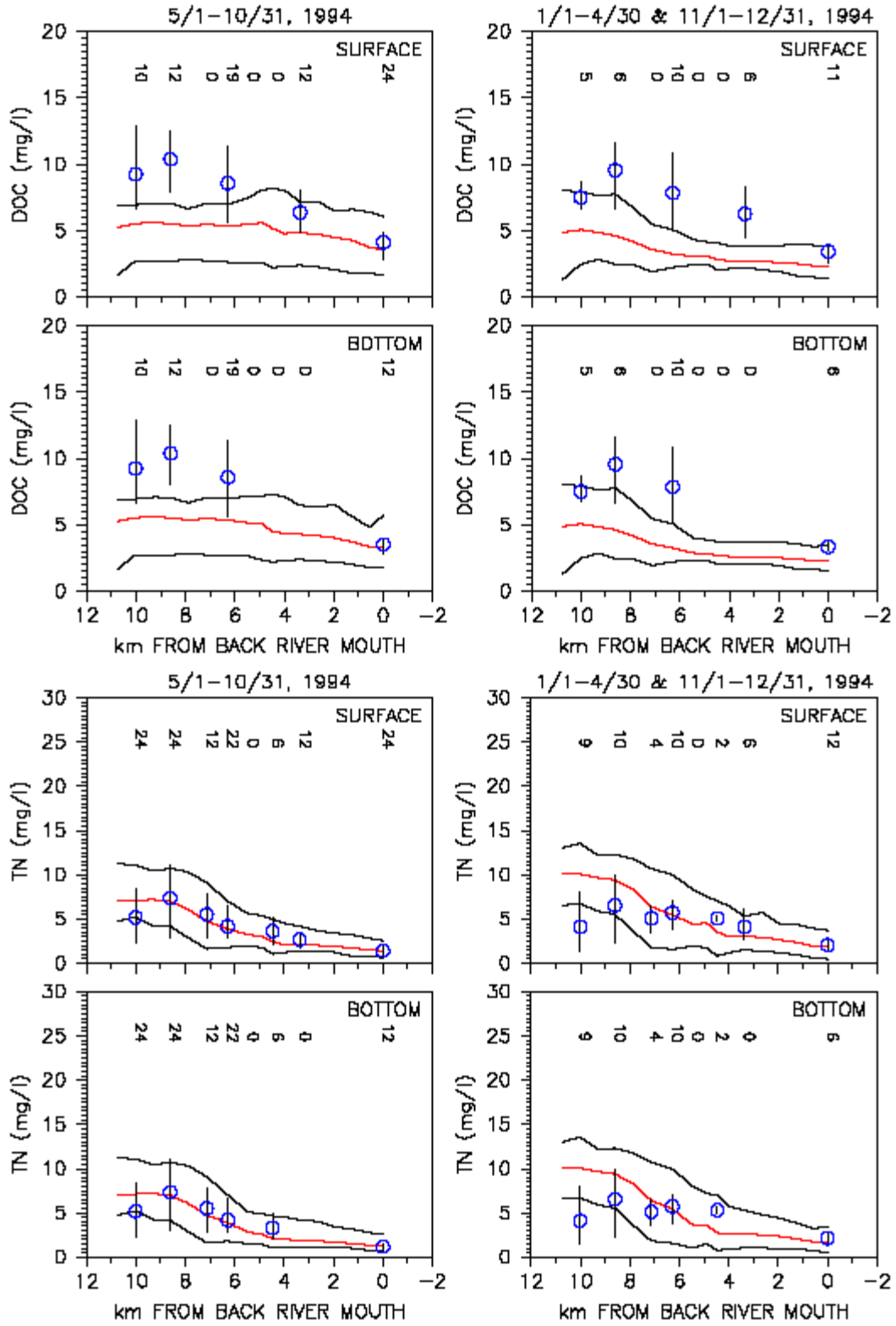


Fig. 64. Longitudinal comparison of model calibration results and data for dissolved organic carbon and total nitrogen in Back River transect

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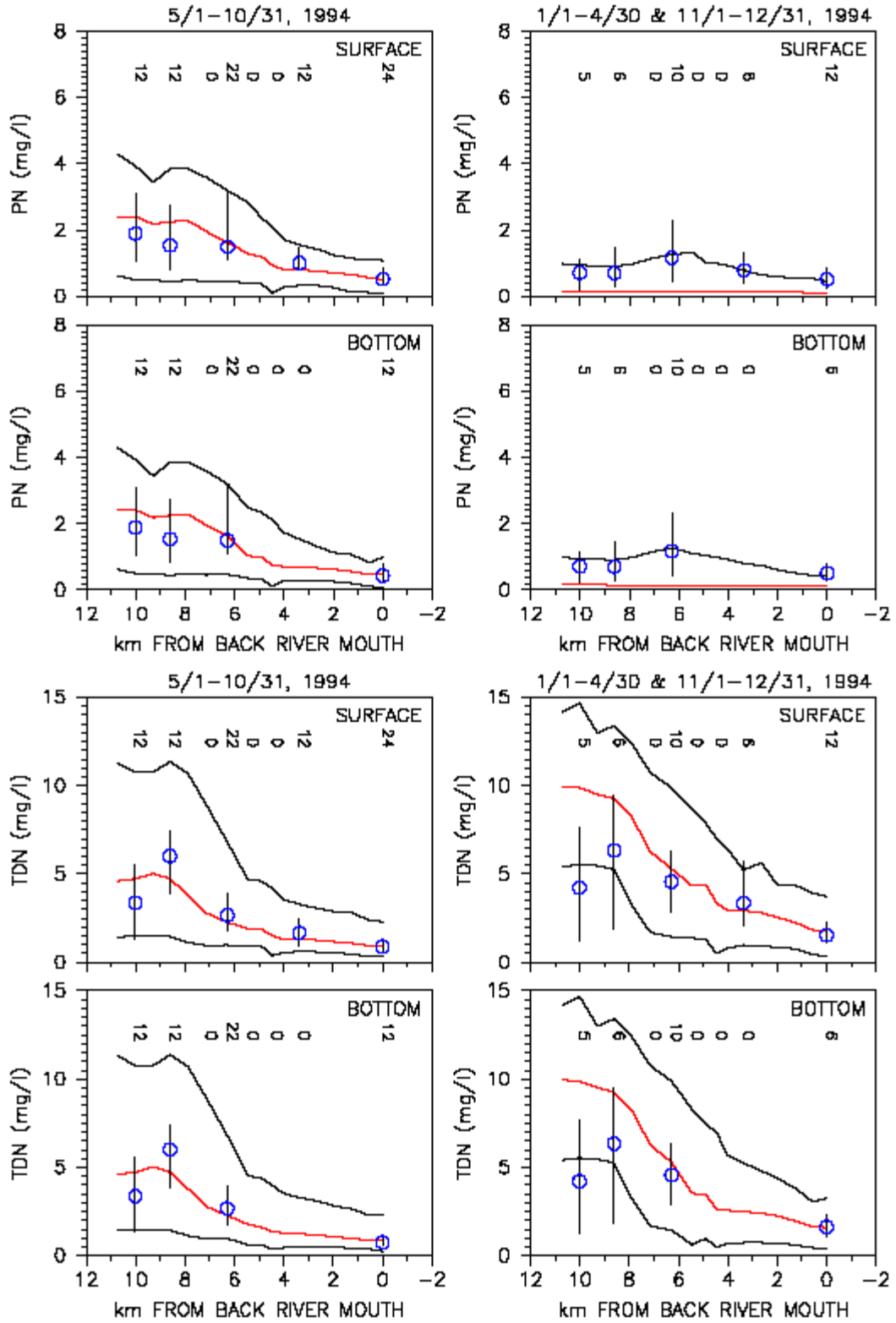


Fig. 65. Longitudinal comparison of model calibration results and data for particulate nitrogen and total dissolved nitrogen in Back River transect

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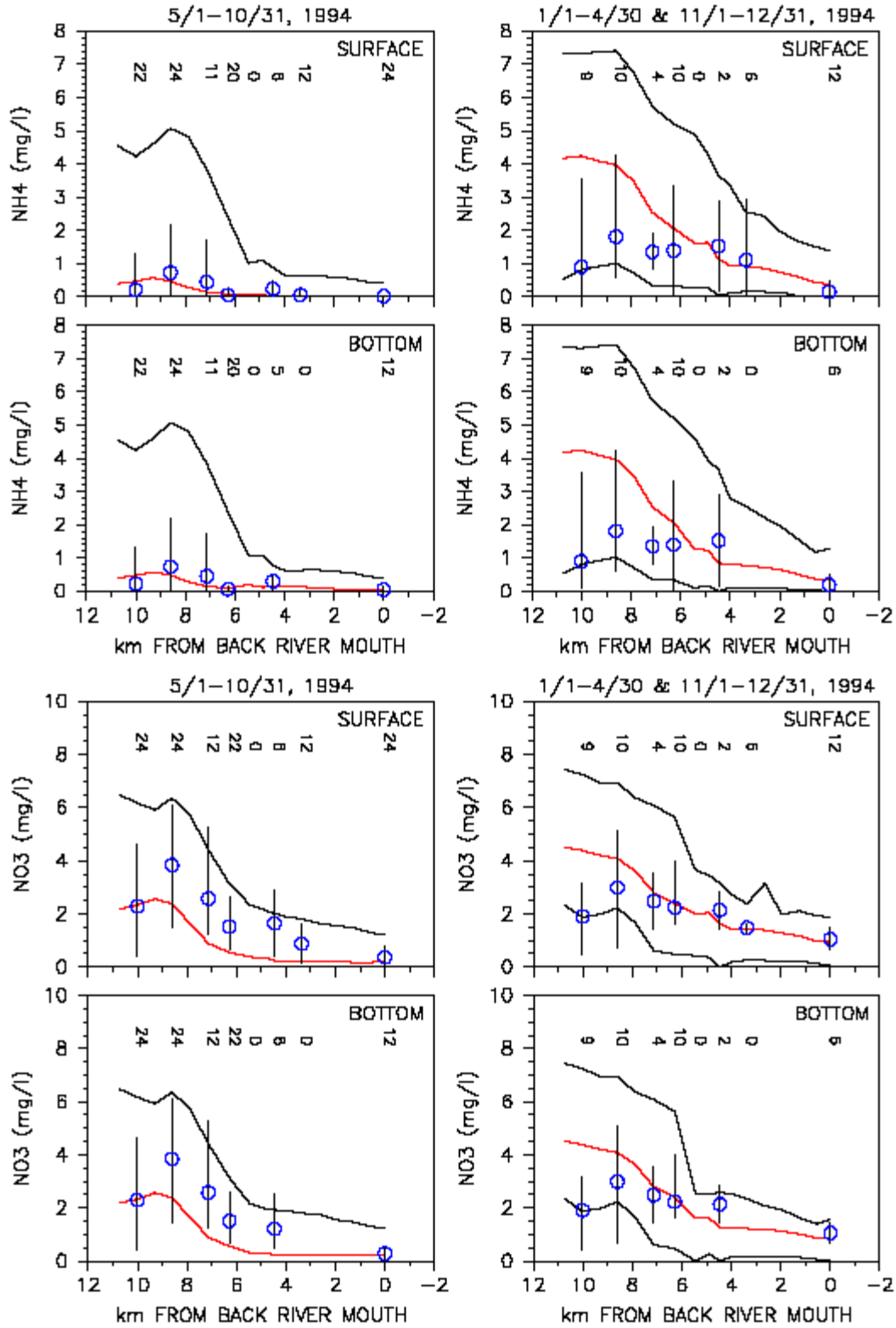


Fig. 66. Longitudinal comparison of model calibration results and data for ammonia and nitrate nitrogen in Back River transect

FINAL

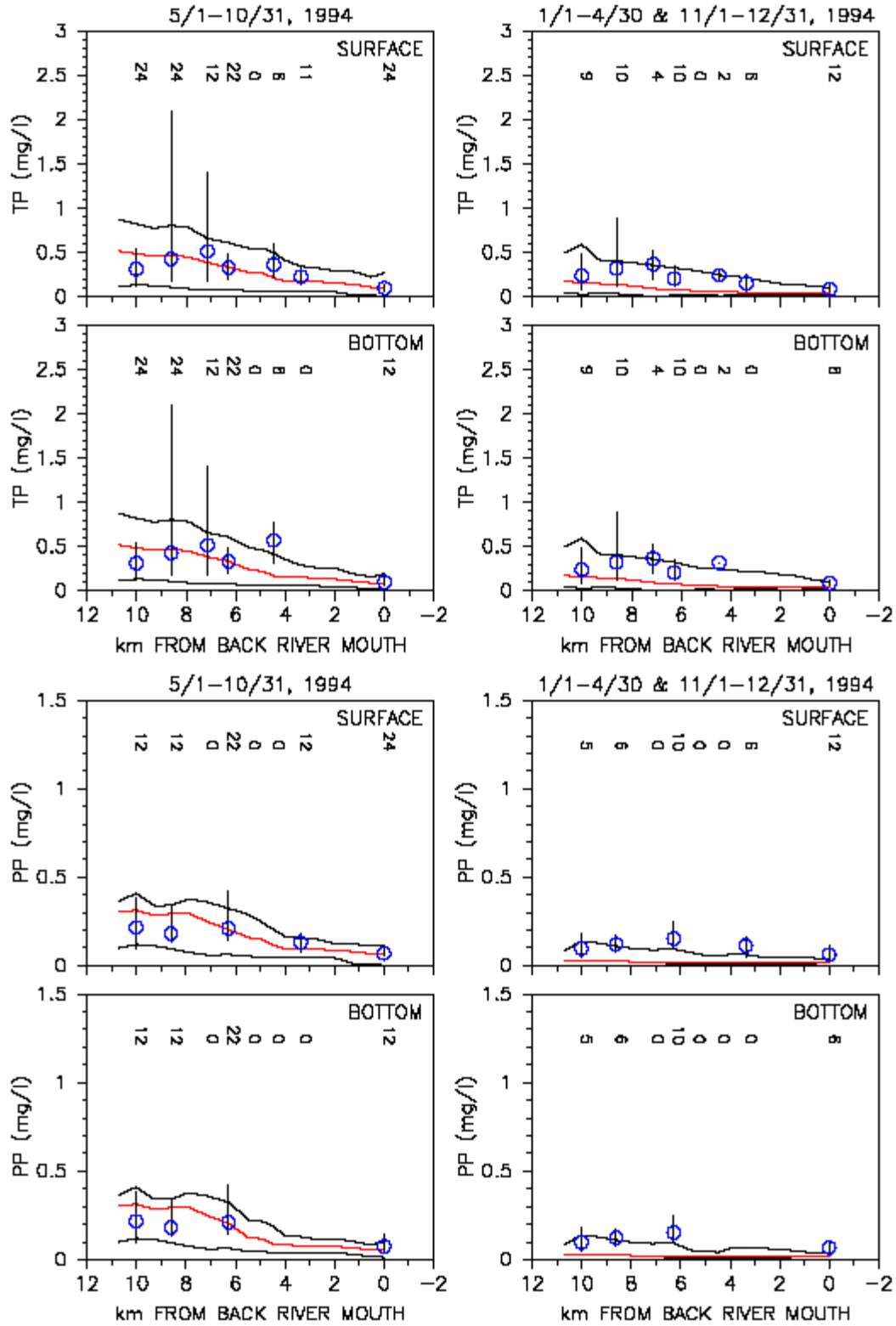


Fig. 67. Longitudinal comparison of model calibration results and data for total phosphorus and particulate phosphorus in Back River transect

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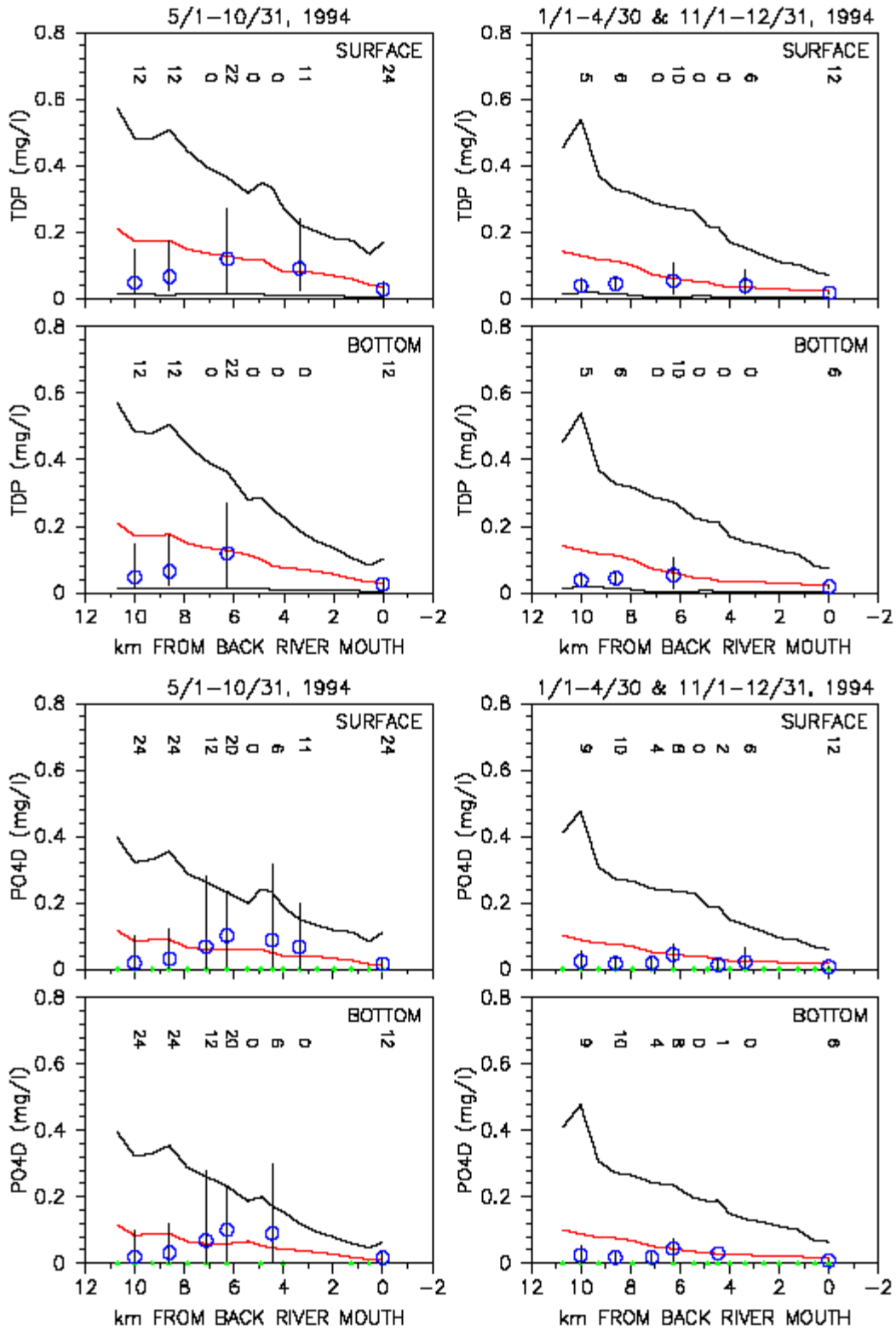


Fig. 68. Longitudinal comparison of model calibration results and data for total dissolved phosphorus and dissolved phosphate in Back River transect

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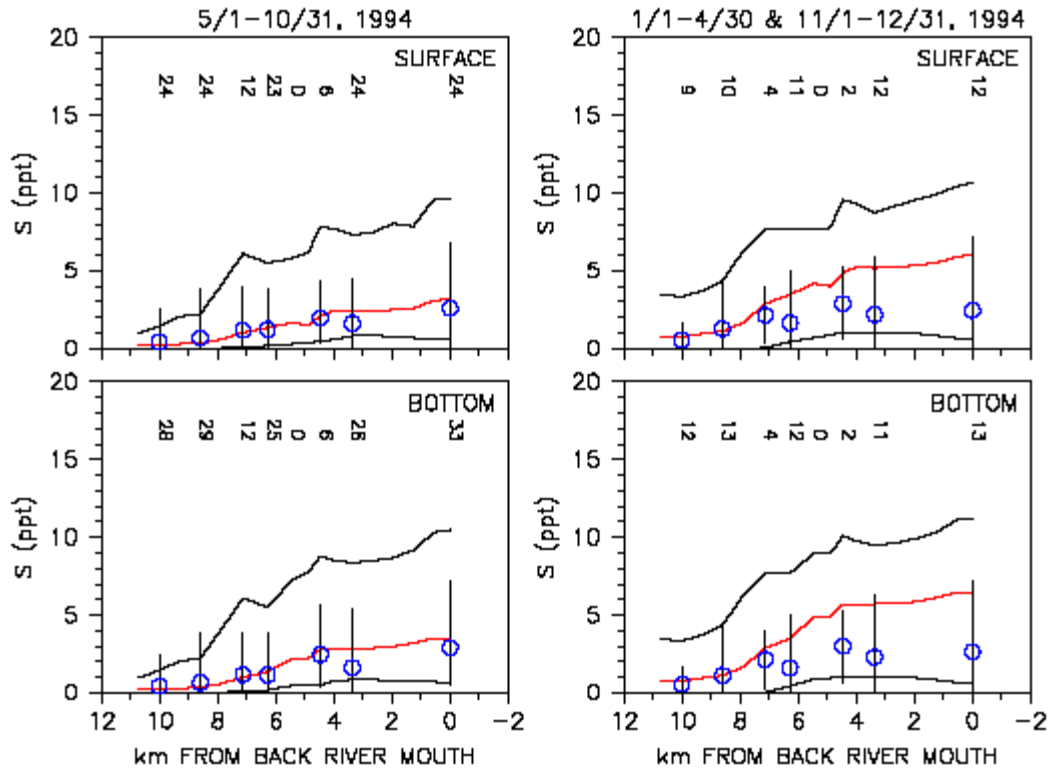


Fig. 69. Longitudinal comparison of model calibration results and data for salinity for Back River transect