

Appendix A: Winter MHB Surface Temperature Maps

This section shows surface temperature contours, which are generated using the ASA thermistor chain measurement at 30 locations in MHB (Figure 1) for this particular tidal cycle. The contours are given for every hour. For winter 1999, the contours are given from February 21 at 14:55 to the next day at 04:55. For summer 1997, the contours are given from 8:55 to 21:55 on August 9. The temperature measurements are linearly interpolated onto the whole area, and the temperature contours are generated based on these linear temperature interpolations.

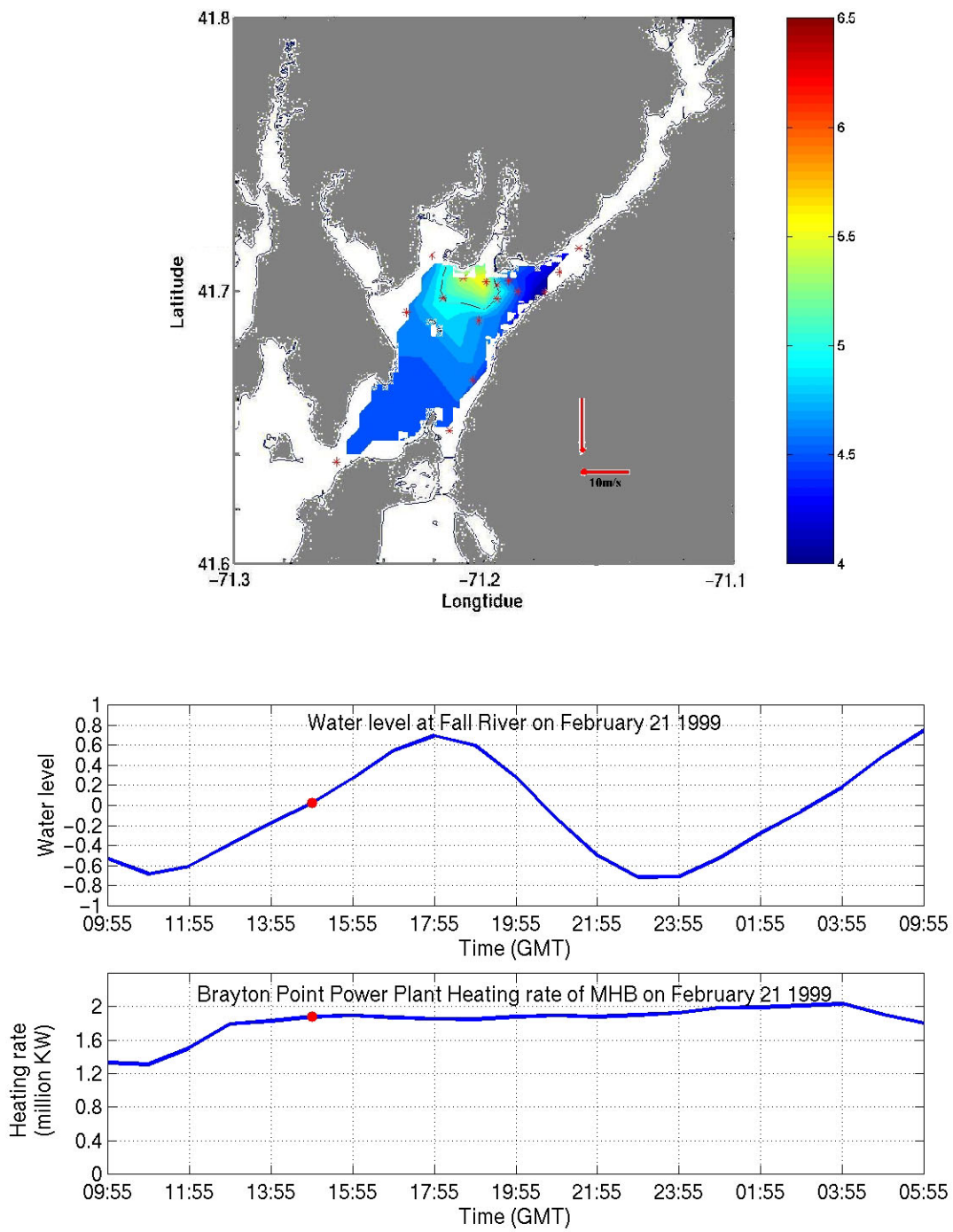


Figure A1. The surface temperature structure in Mt. Hope Bay on 21 February 1999. The relevant values of Fall River sea level and BPPS heating rate are indicated (red dots) in the middle and lower panels, respectively.

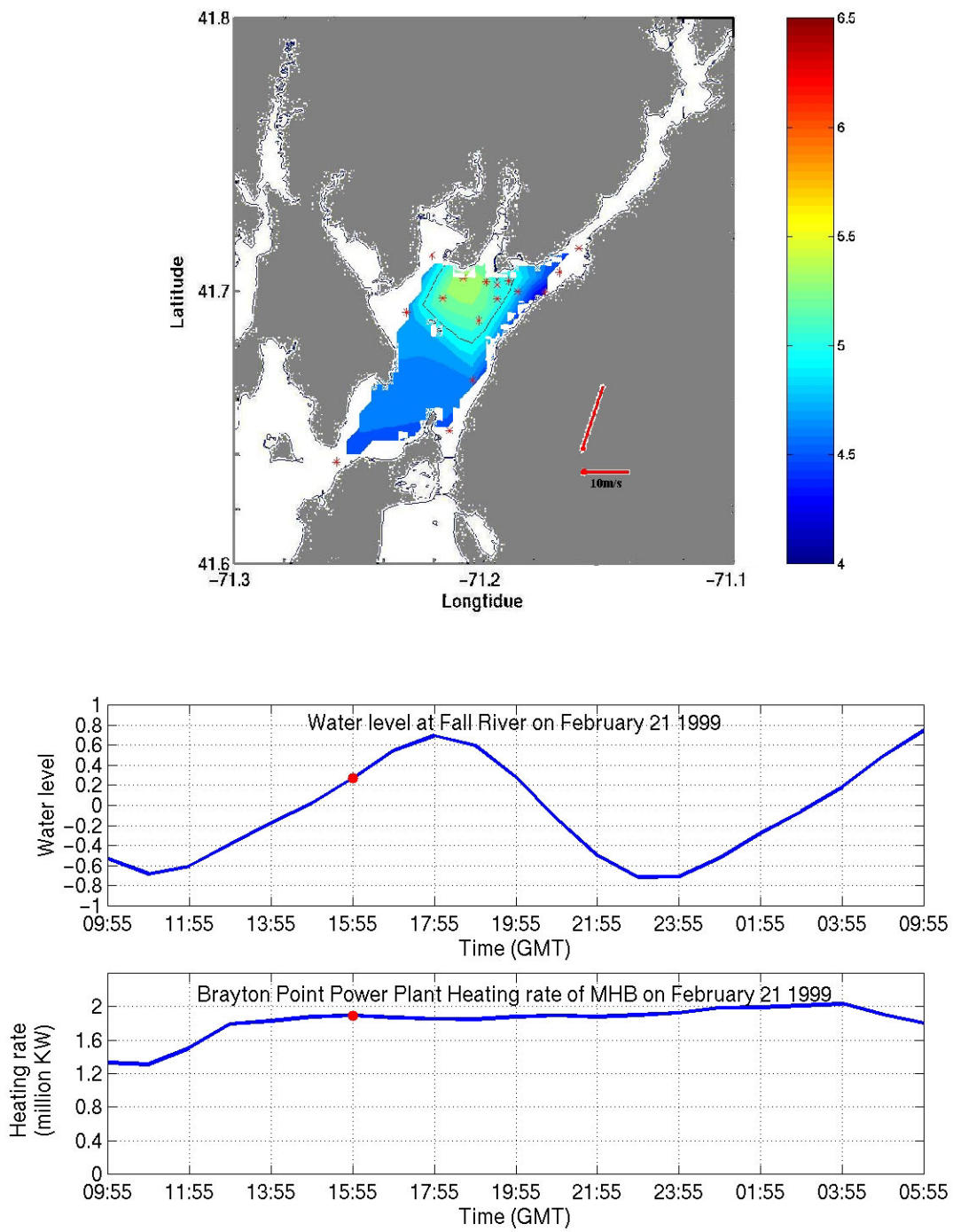


Figure A2. The surface temperature structure in Mt. Hope Bay on 21 February 1999. The relevant values of Fall River sea level and BPPS heating rate are indicated (red dots) in the middle and lower panels, respectively.

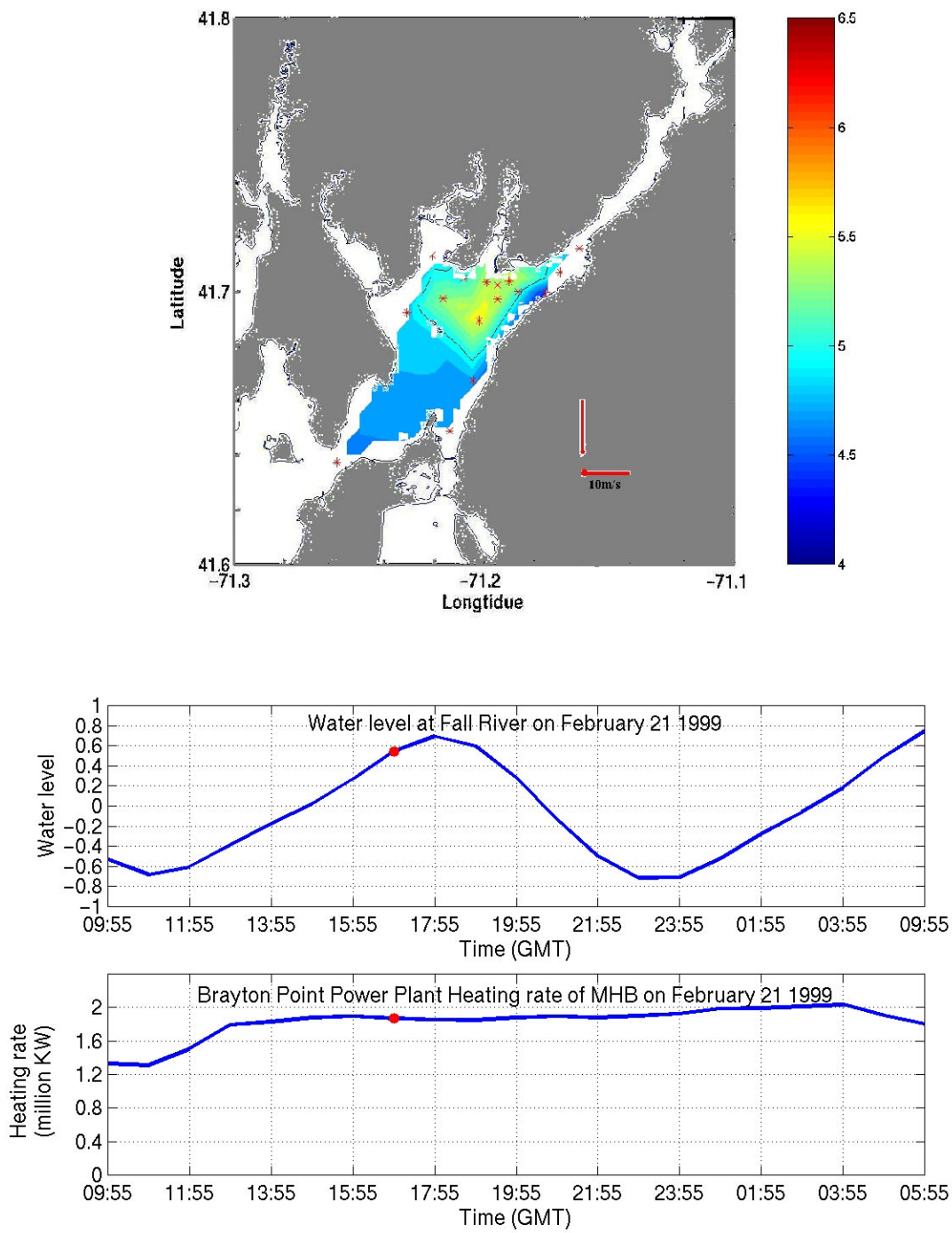


Figure A3. The surface temperature structure in Mt. Hope Bay on 21 February 1999. The relevant values of Fall River sea level and BPPS heating rate are indicated (red dots) in the middle and lower panels, respectively.

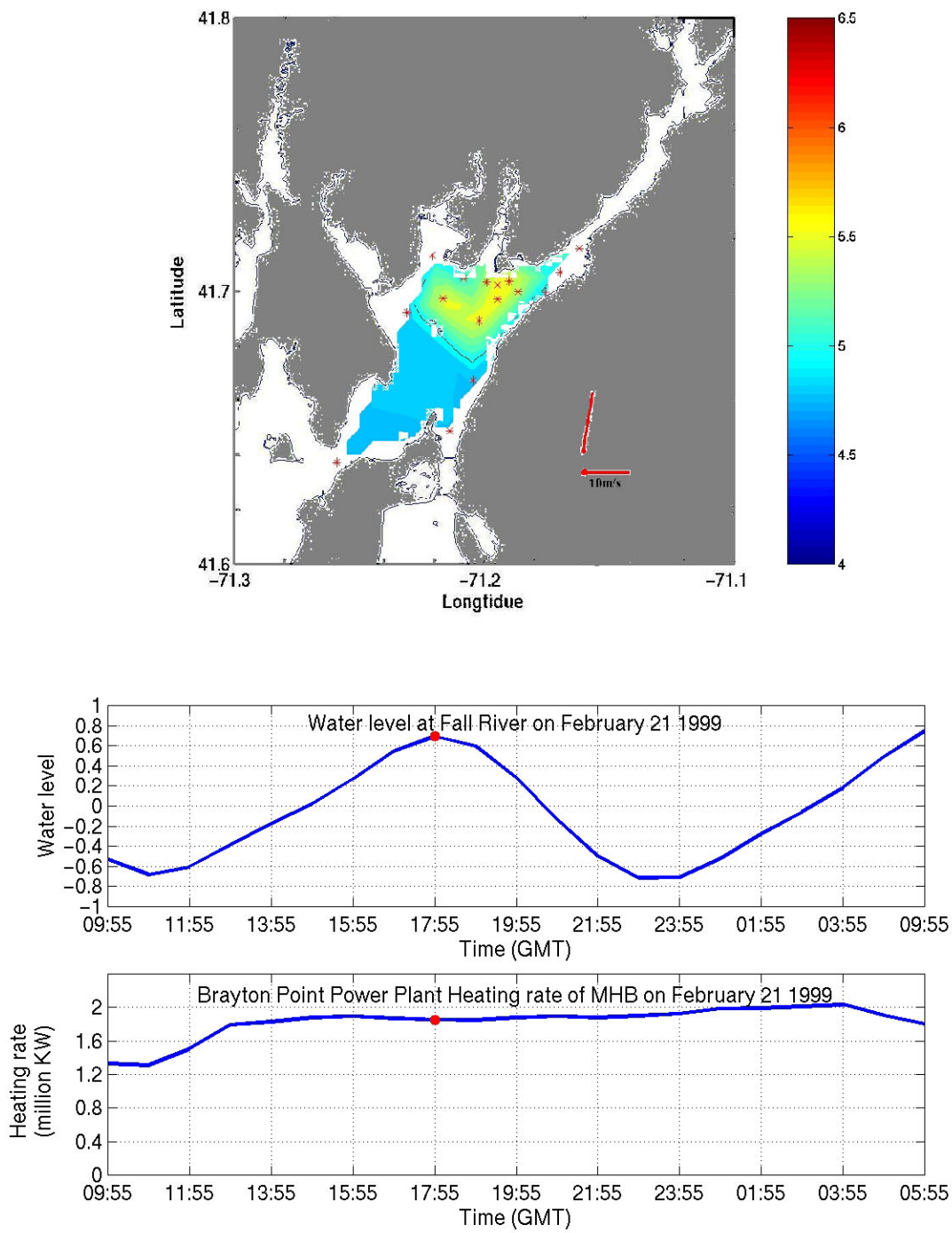


Figure A4. The surface temperature structure in Mt. Hope Bay on 21 February 1999. The relevant values of Fall River sea level and BPPS heating rate are indicated (red dots) in the middle and lower panels, respectively.

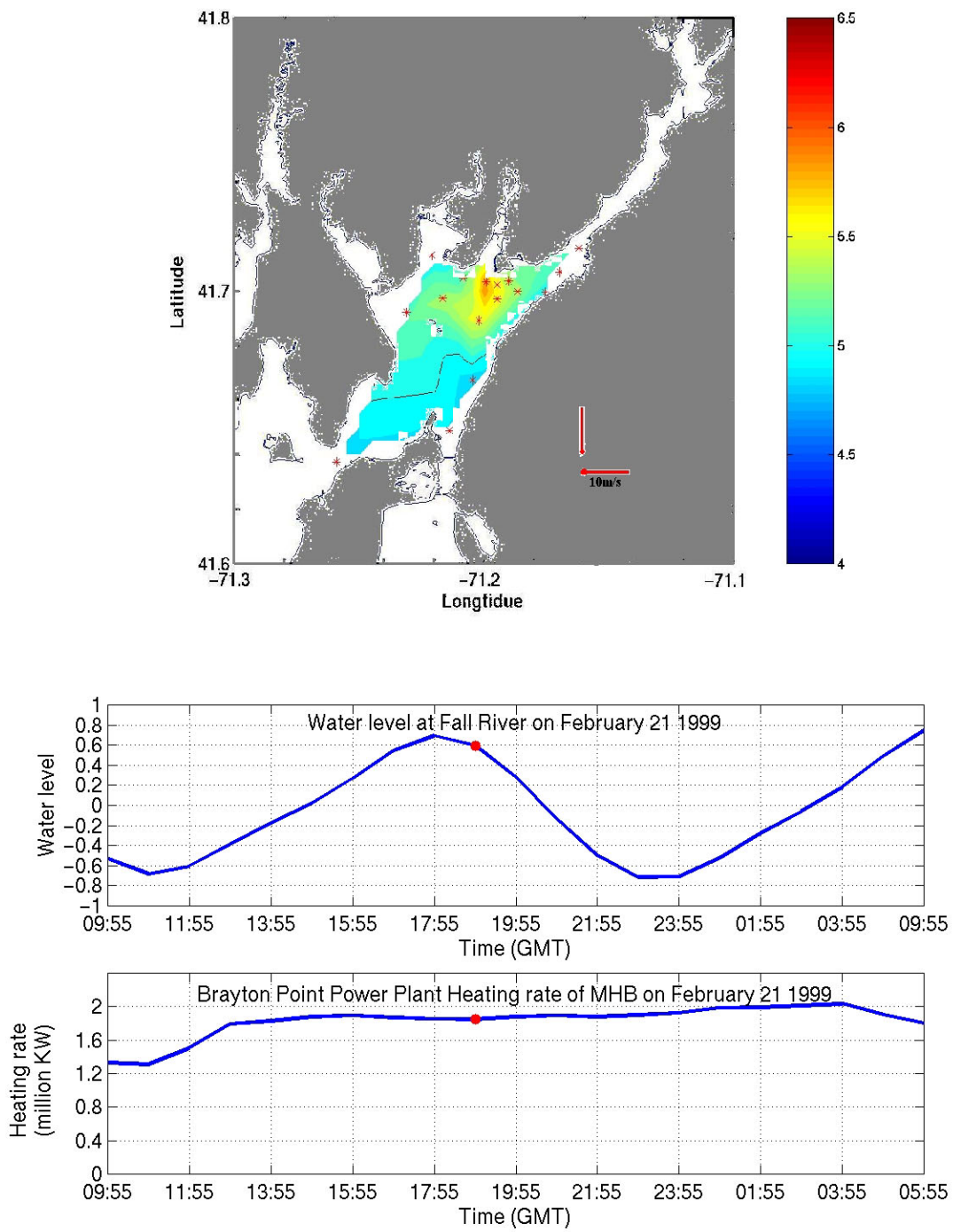


Figure A5. The surface temperature structure in Mt. Hope Bay on 21 February 1999. The relevant values of Fall River sea level and BPPS heating rate are indicated (red dots) in the middle and lower panels, respectively.

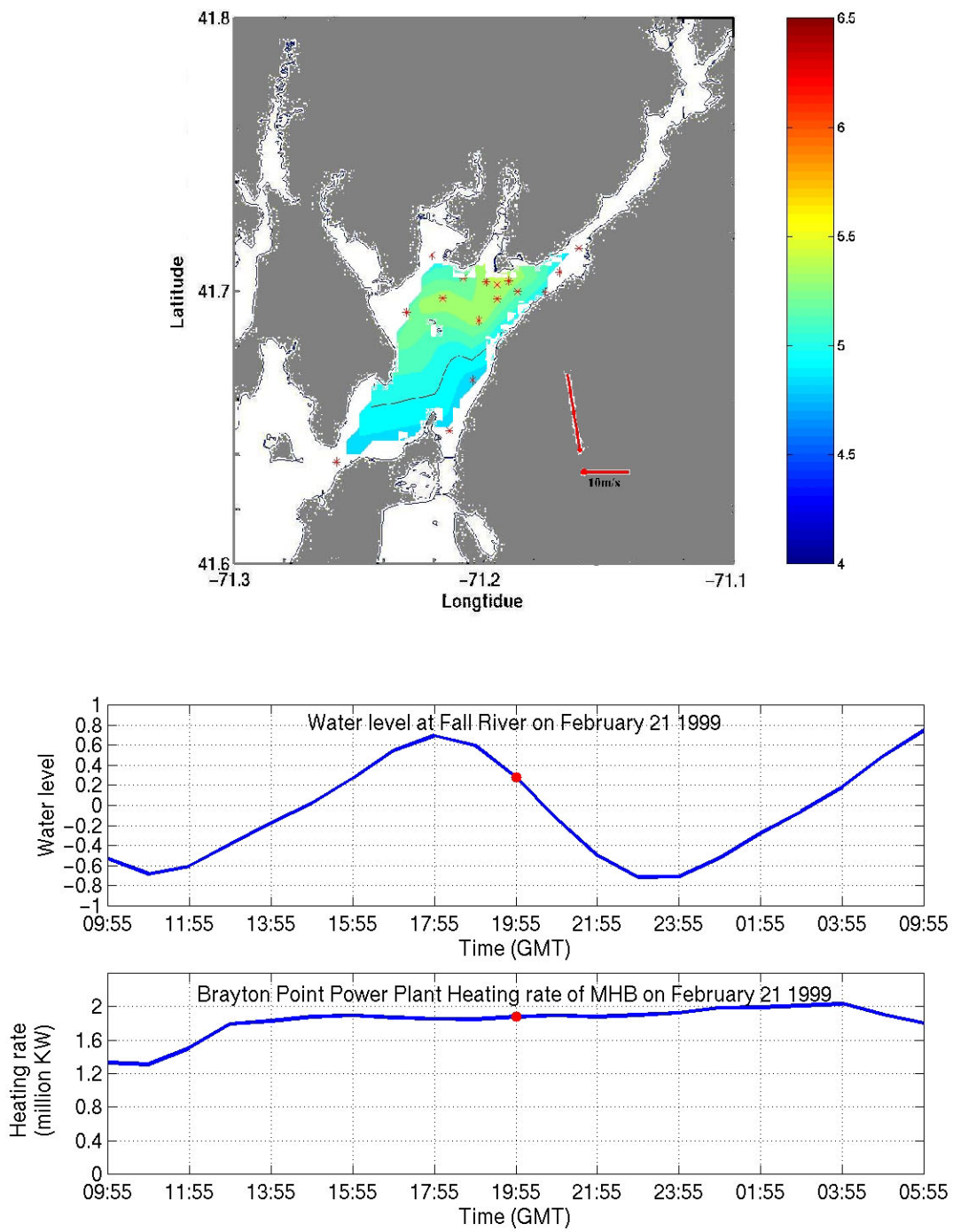


Figure A6. The surface temperature structure in Mt. Hope Bay on 21 February 1999. The relevant values of Fall River sea level and BPPS heating rate are indicated (red dots) in the middle and lower panels, respectively.

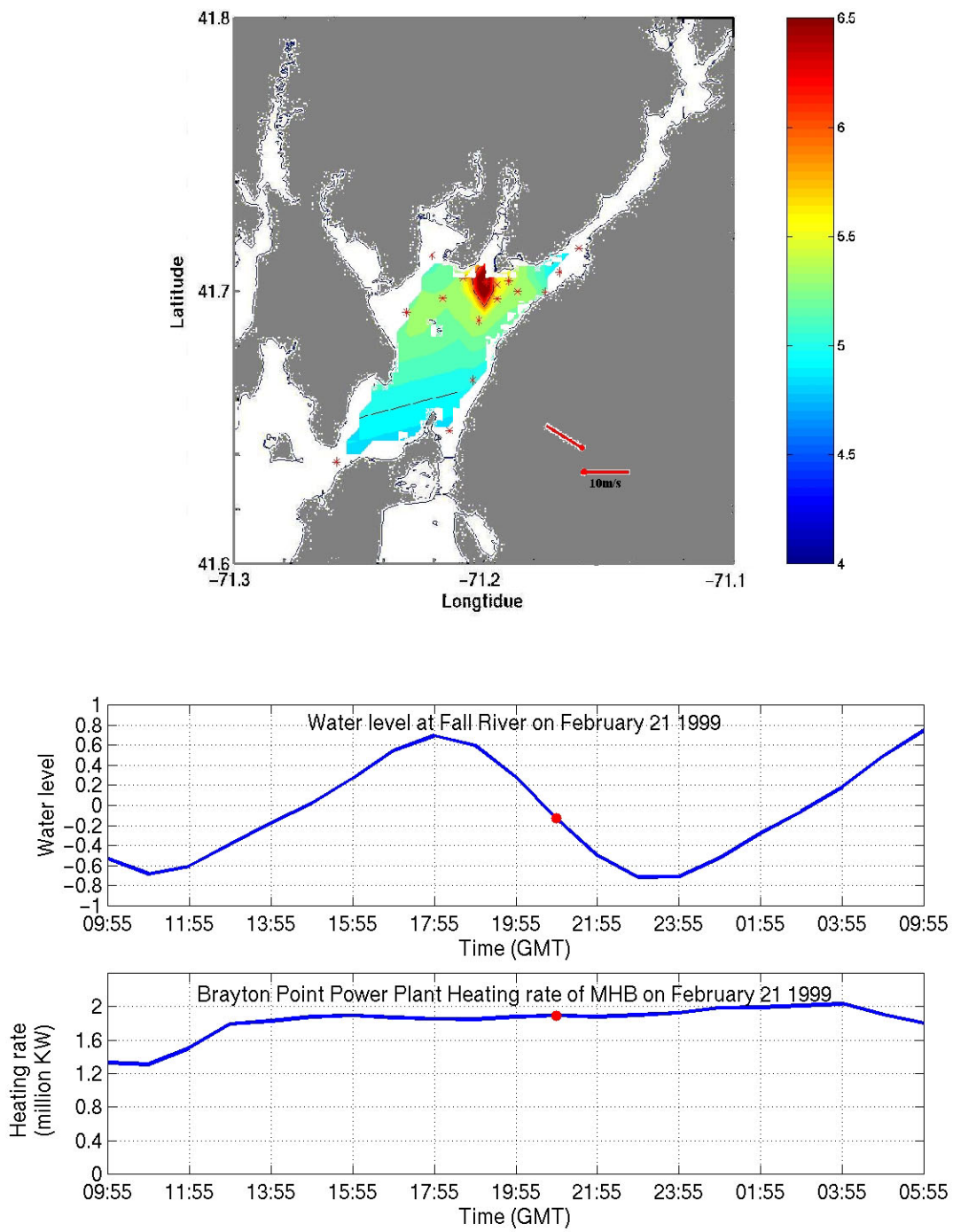


Figure A7. The surface temperature structure in Mt. Hope Bay on 21 February 1999. The relevant values of Fall River sea level and BPPS heating rate are indicated (red dots) in the middle and lower panels, respectively.

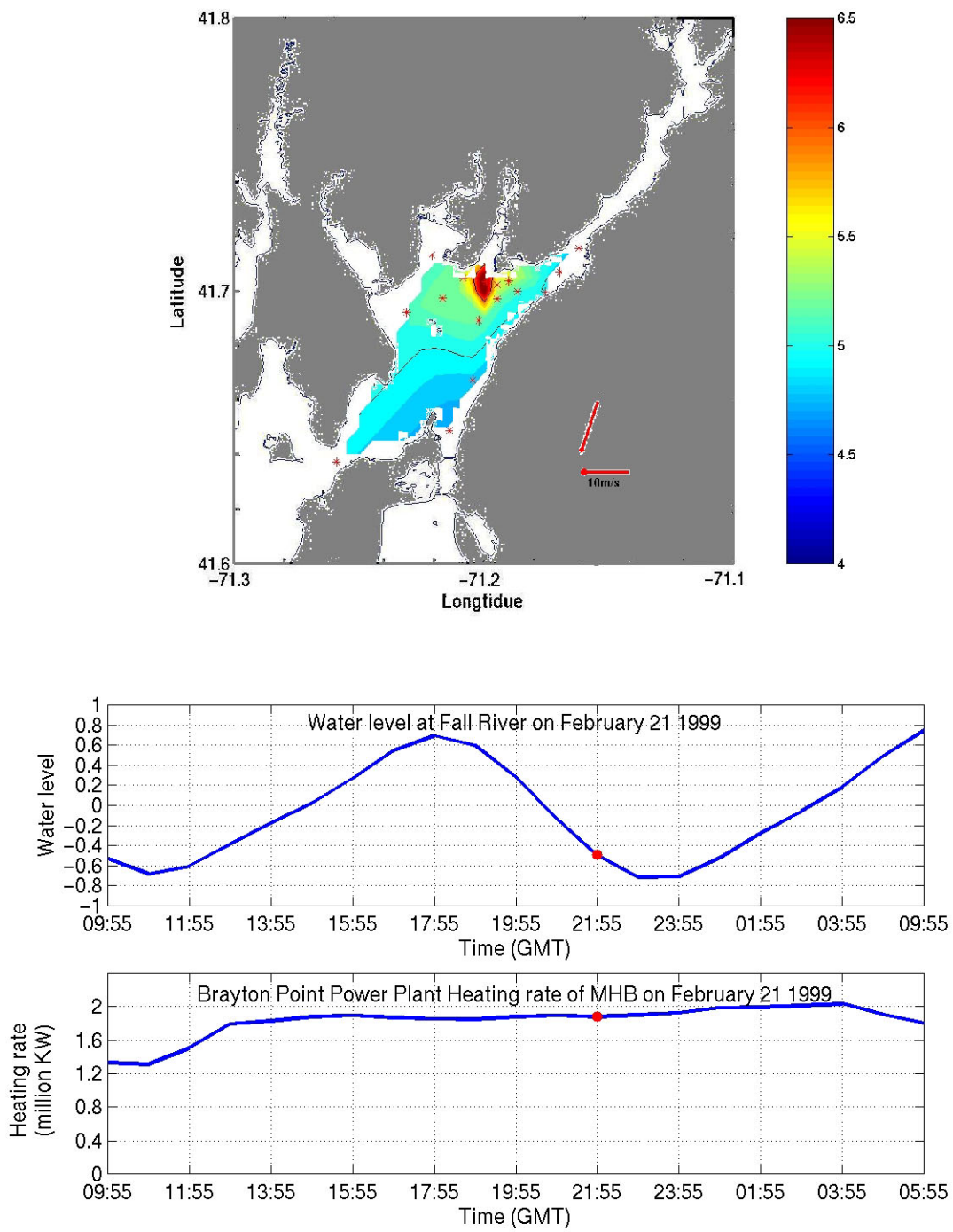


Figure A8. The surface temperature structure in Mt. Hope Bay on 21 February 1999. The relevant values of Fall River sea level and BPPS heating rate are indicated (red dots) in the middle and lower panels, respectively.

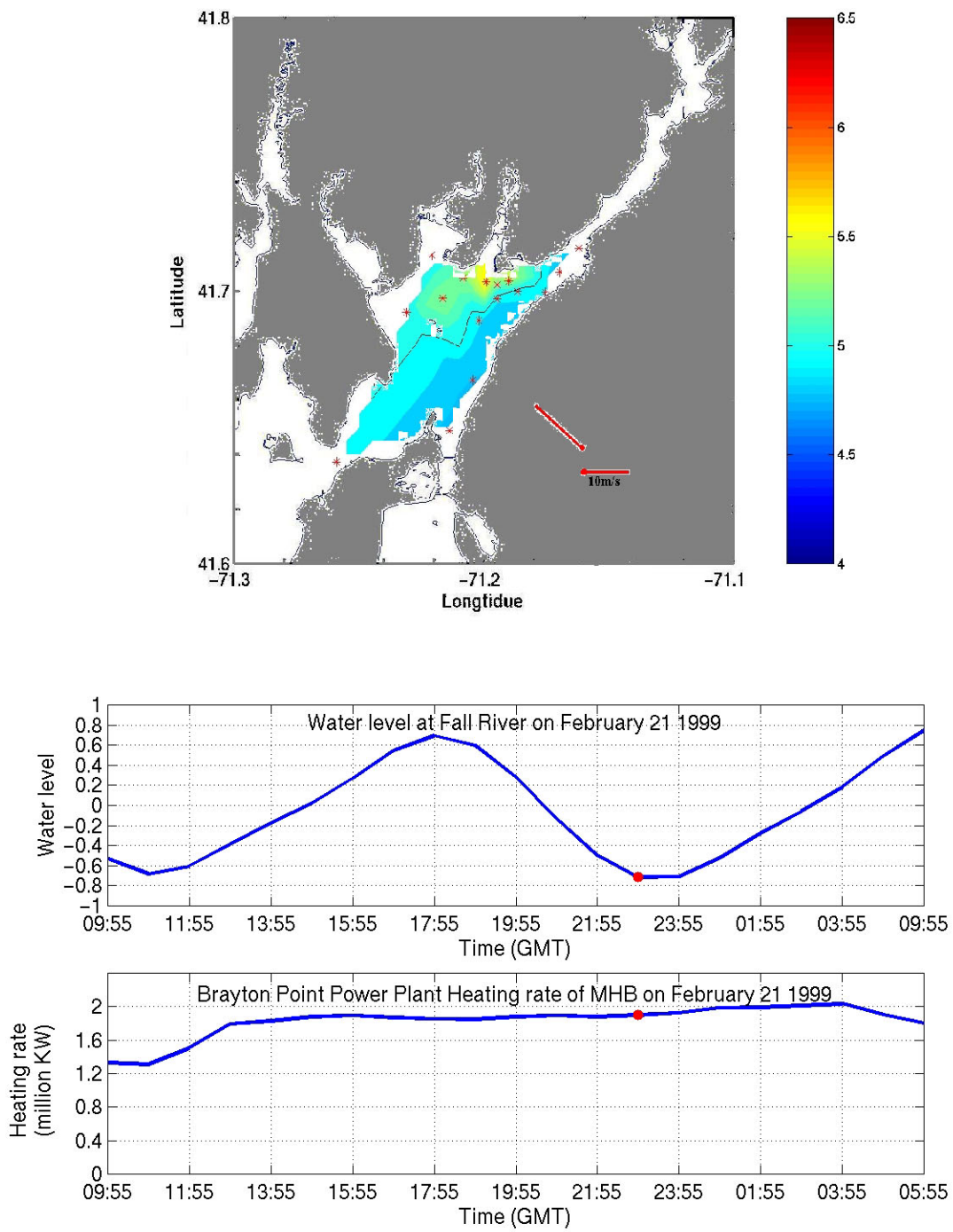


Figure A9. The surface temperature structure in Mt. Hope Bay on 21 February 1999. The relevant values of Fall River sea level and BPPS heating rate are indicated (red dots) in the middle and lower panels, respectively.

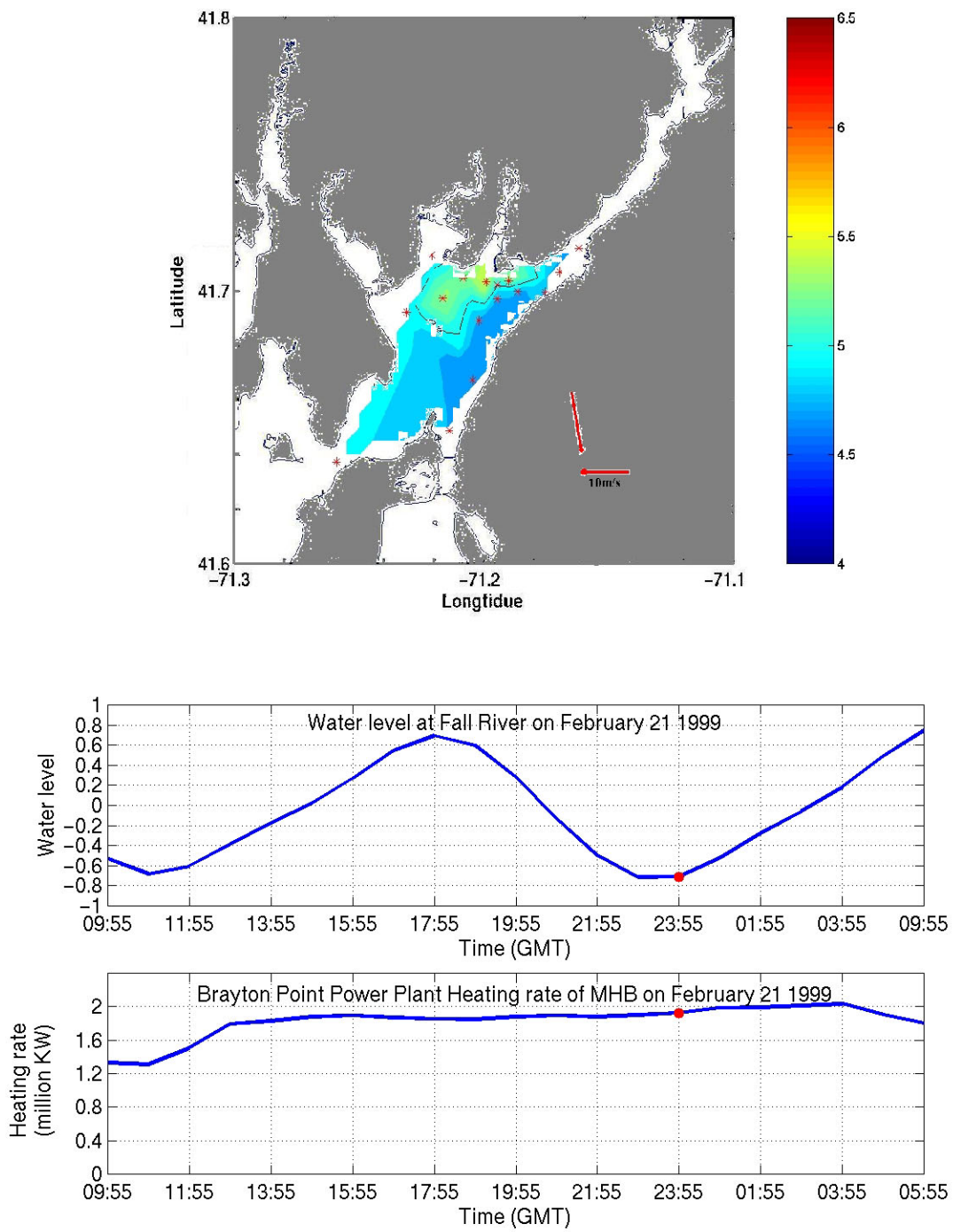


Figure A10. The surface temperature structure in Mt. Hope Bay on 21 February 1999. The relevant values of Fall River sea level and BPPS heating rate are indicated (red dots) in the middle and lower panels, respectively.

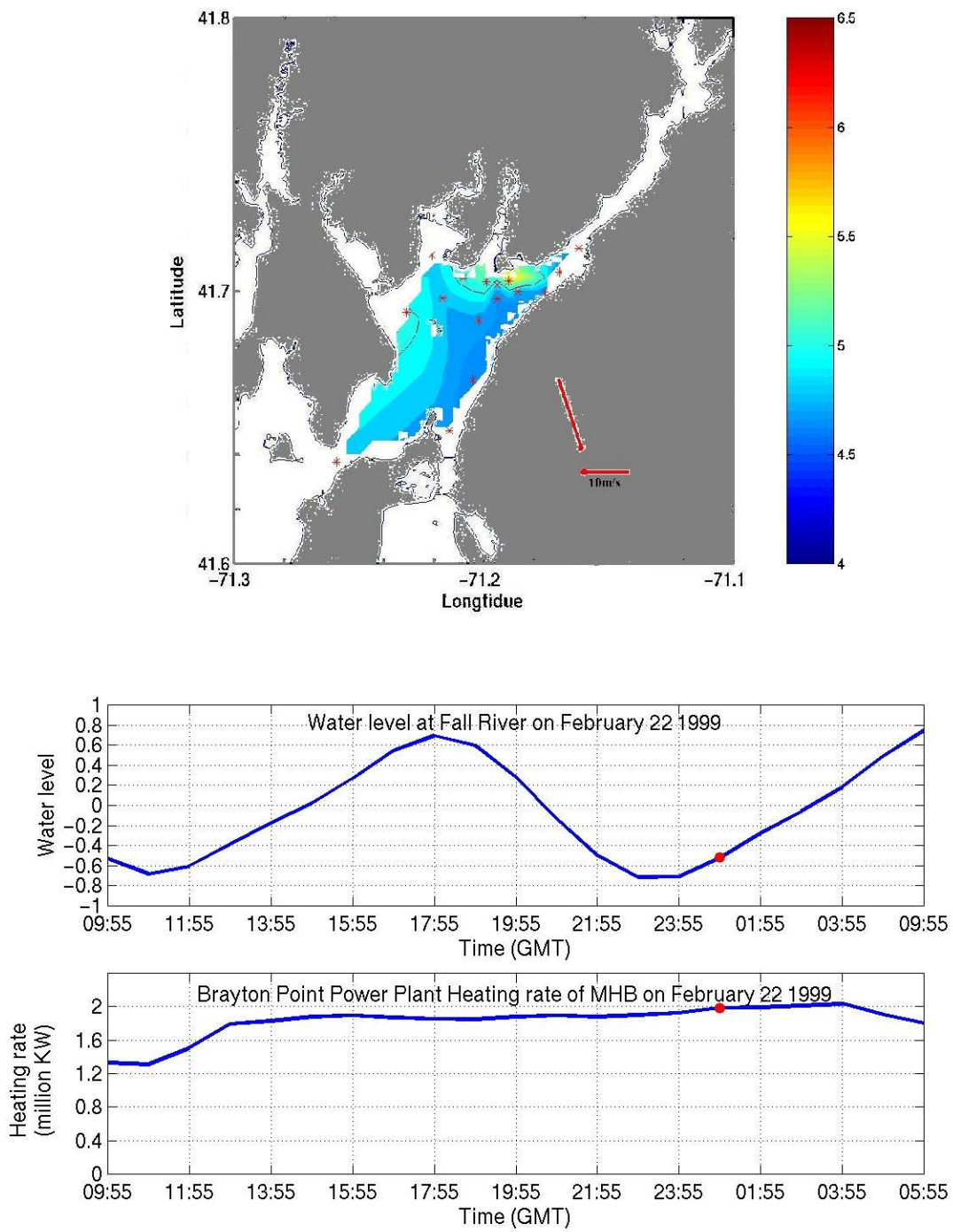


Figure A11. The surface temperature structure in Mt. Hope Bay on 22 February 1999. The relevant values of Fall River sea level and BPPS heating rate are indicated (red dots) in the middle and lower panels, respectively.

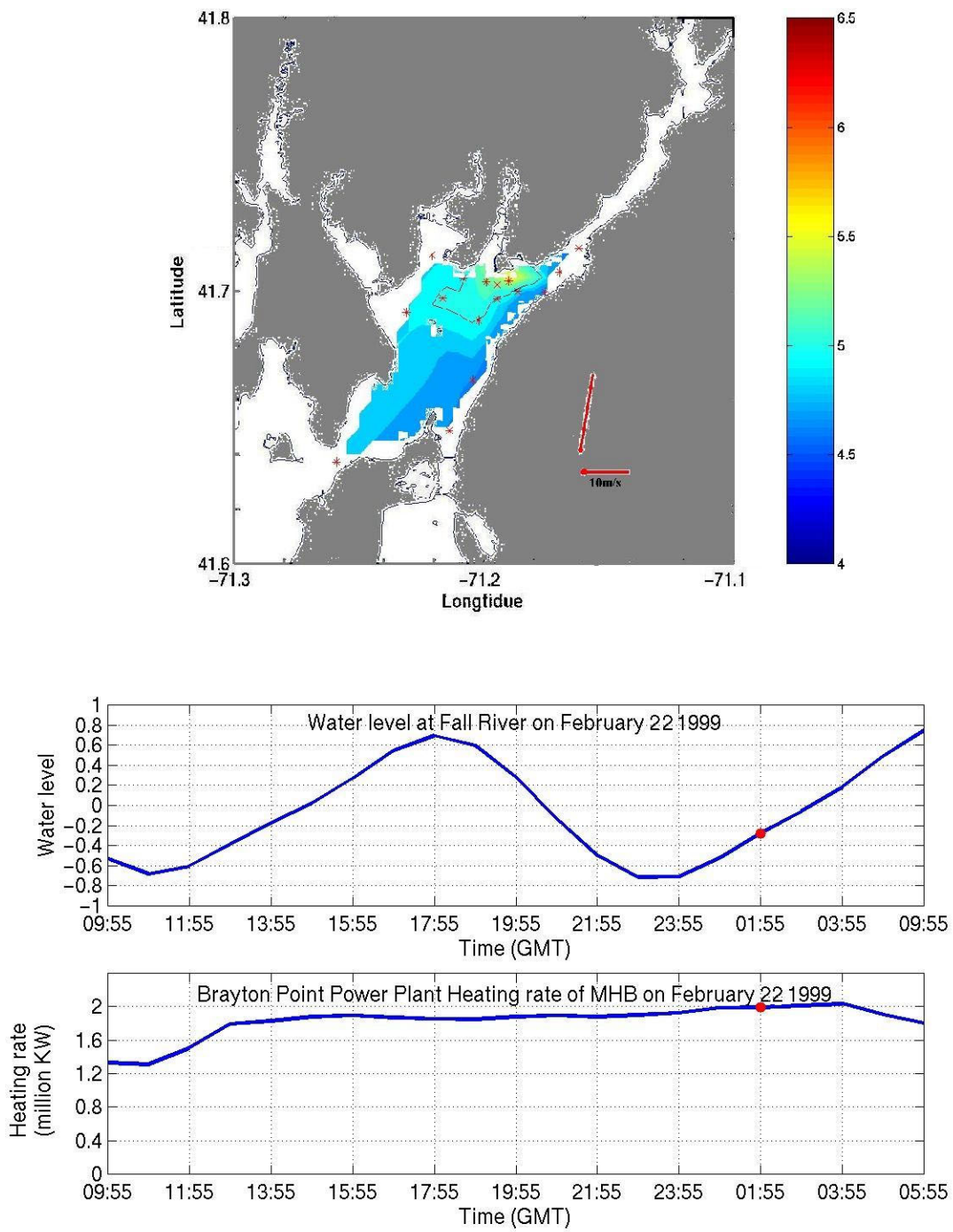


Figure A12. The surface temperature structure in Mt. Hope Bay on 22 February 1999. The relevant values of Fall River sea level and BPPS heating rate are indicated (red dots) in the middle and lower panels, respectively.

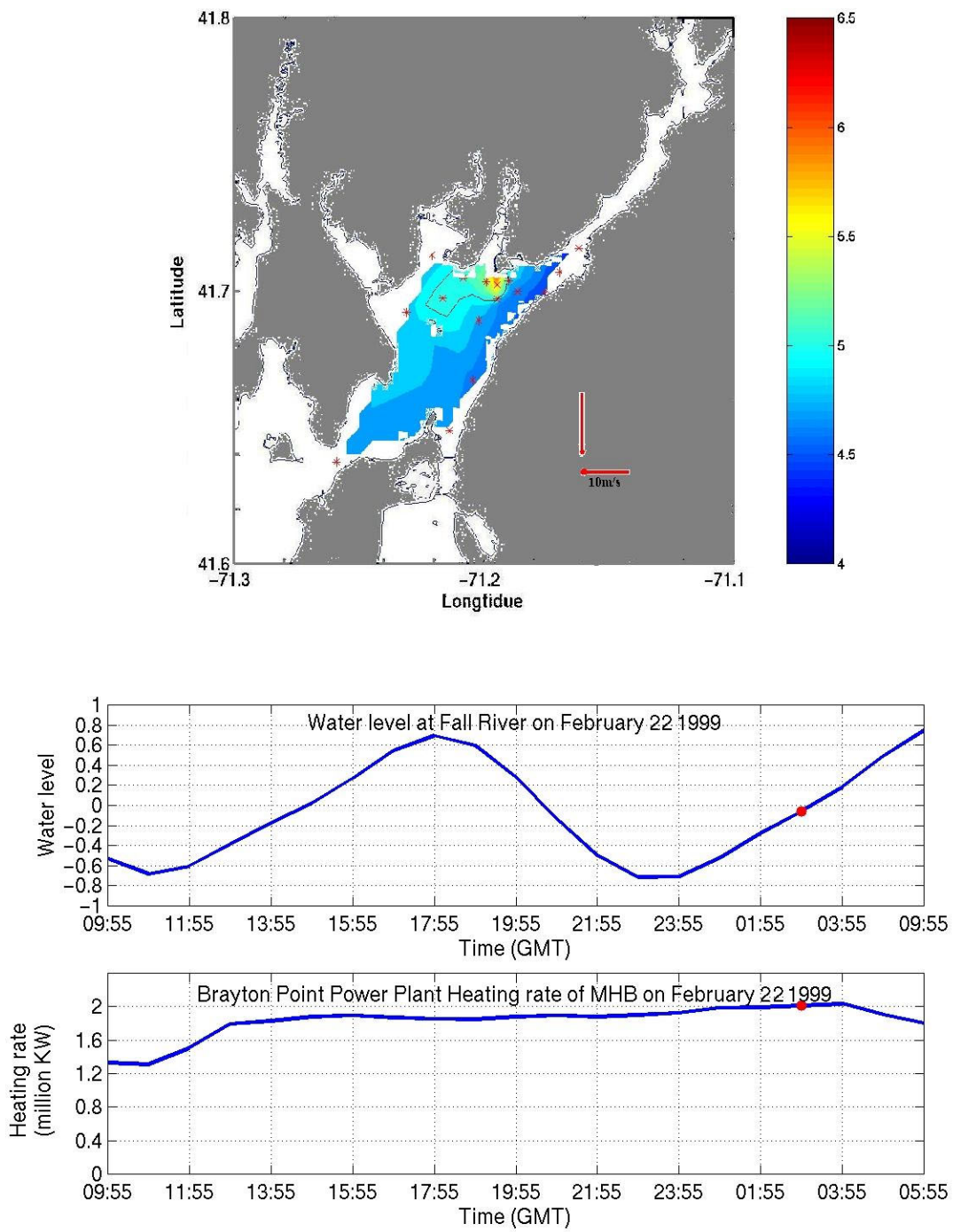


Figure A13. The surface temperature structure in Mt. Hope Bay on 22 February 1999. The relevant values of Fall River sea level and BPPS heating rate are indicated (red dots) in the middle and lower panels, respectively.

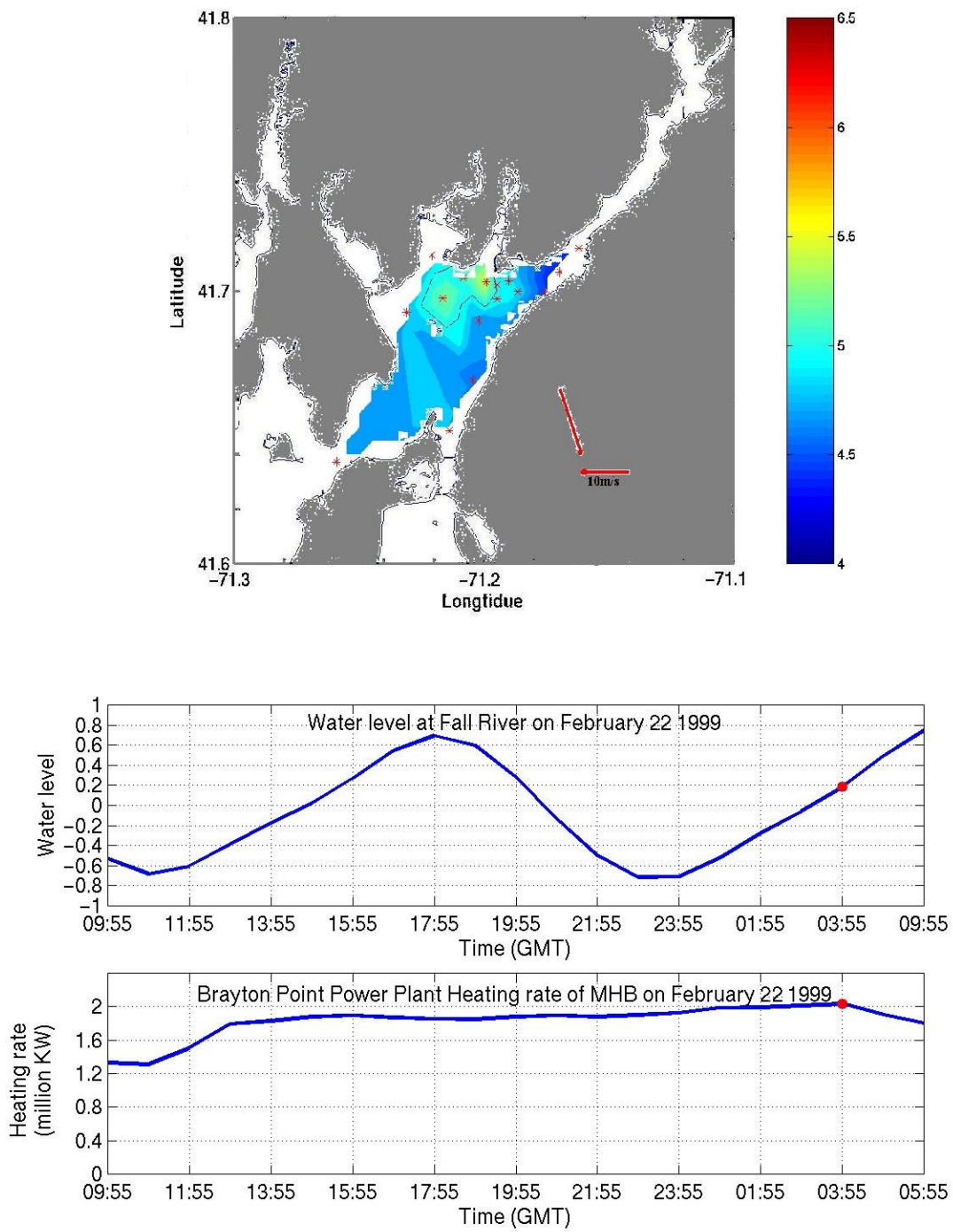


Figure A14. The surface temperature structure in Mt. Hope Bay on 22 February 1999. The relevant values of Fall River sea level and BPPS heating rate are indicated (red dots) in the middle and lower panels, respectively.

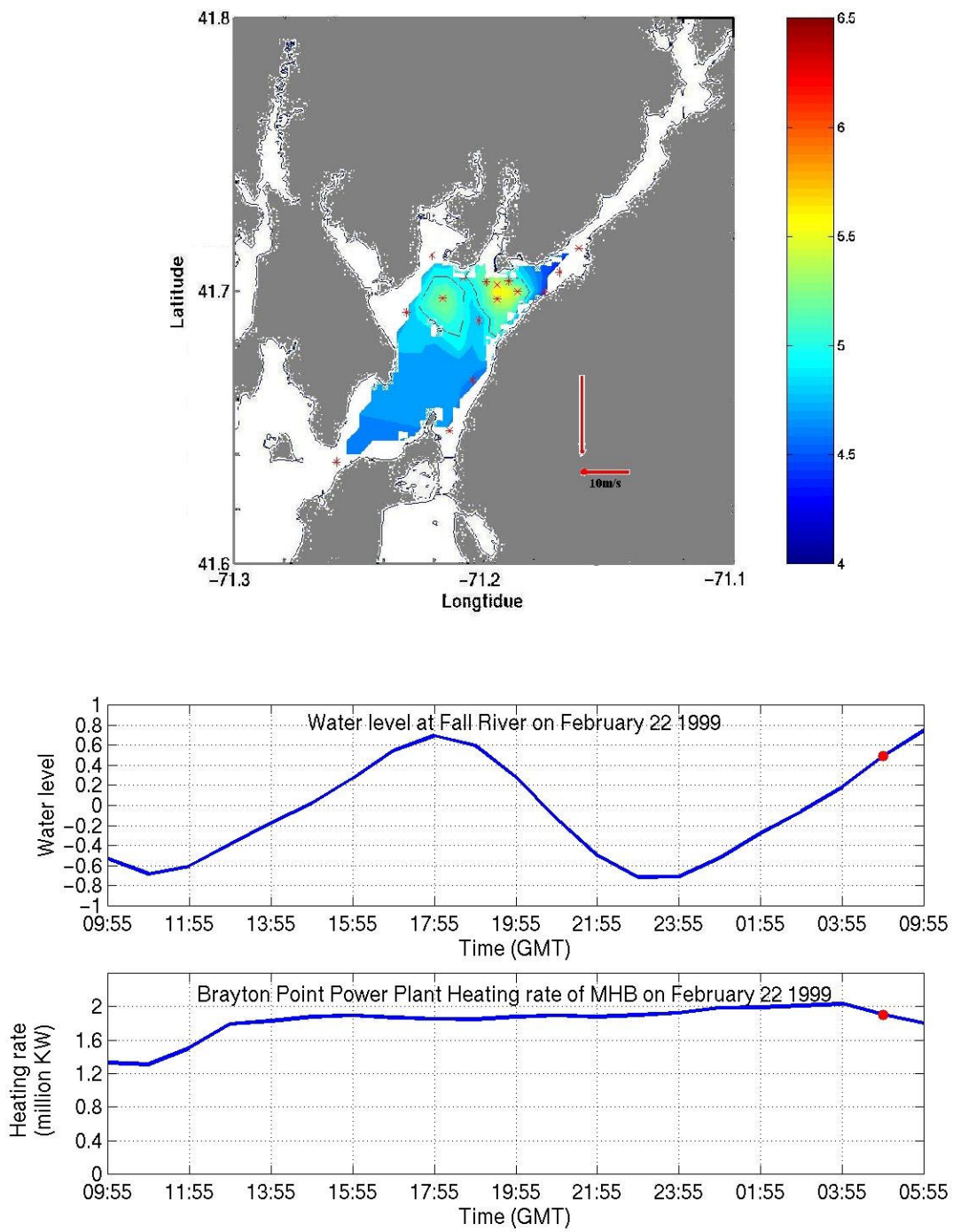


Figure A15. The surface temperature structure in Mt. Hope Bay on 22 February 1999. The relevant values of Fall River sea level and BPPS heating rate are indicated (red dots) in the middle and lower panels, respectively.