

National Park Service  
US Department of the Interior

Inventory & Monitoring Division  
Central Alaska Network



# Alaskan National Park Glaciers - Status and Trends

## *Addendum to the 2014 Final Report, Missing Figures*



## ON THE COVER

Recent rapid retreat of Muir Glacier from upper Muir Inlet, shown here, has revealed a new post-glacial landscape of changing sea levels, rocky moraines, and successional plants like *Dryas drummondii*. When USGS topographic maps were made in the mid-1950s, most of the area in this photo, including the vegetated foreground and all of the fjord itself out nearly to the gravelly creekbed in the far left side of the photo, were covered in glacier ice. The national parks of Alaska still have many, many glaciers. But as this report documents, the majority of them are shrinking, and newly deglaciated terrain is the fastest-growing landscape type in Alaskan parks. Glacier Bay National Park and Preserve, 9 July 2011.  
PHOTO/ JT THOMAS

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# About this Addendum

This addendum provides figures that were inadvertently omitted from the [2014 Glacier Status and Trends Final Report](#). It was only recently discovered that the published version of the document omitted portions of the graphics from some of the figures in the report. These graphics were included in the complete version of the report peer-reviewed and approved at that time, and were delivered to the publisher, but were lost from the final published copy in the publication process. This addendum includes complete versions of those incomplete figures. Figure numbers in this addendum correlate to the numbering of the original report.

The figures themselves and their captions are unchanged from the original 2014 versions and do not affect or change any of the content of the original report, including conclusions drawn by the authors at that time. The original report remains authoritative and can be cited as usual:

Loso, M., A. Arendt, C. Larsen, J. Rich, and N. Murphy. 2014. Alaskan national park glaciers - status and trends: Final report. Natural Resource Technical Report NPS/AKRO/NRTR—2014/922. National Park Service, Fort Collins, Colorado.

If relying on content specifically drawn from the missing figures, please also cite this addendum as:

Loso, M. G. 2020. Alaskan national park glaciers - status and trends: Addendum to the 2014 final report, Missing Figures. Central Alaska Inventory & Monitoring Network, National Park Service, Anchorage, Alaska.

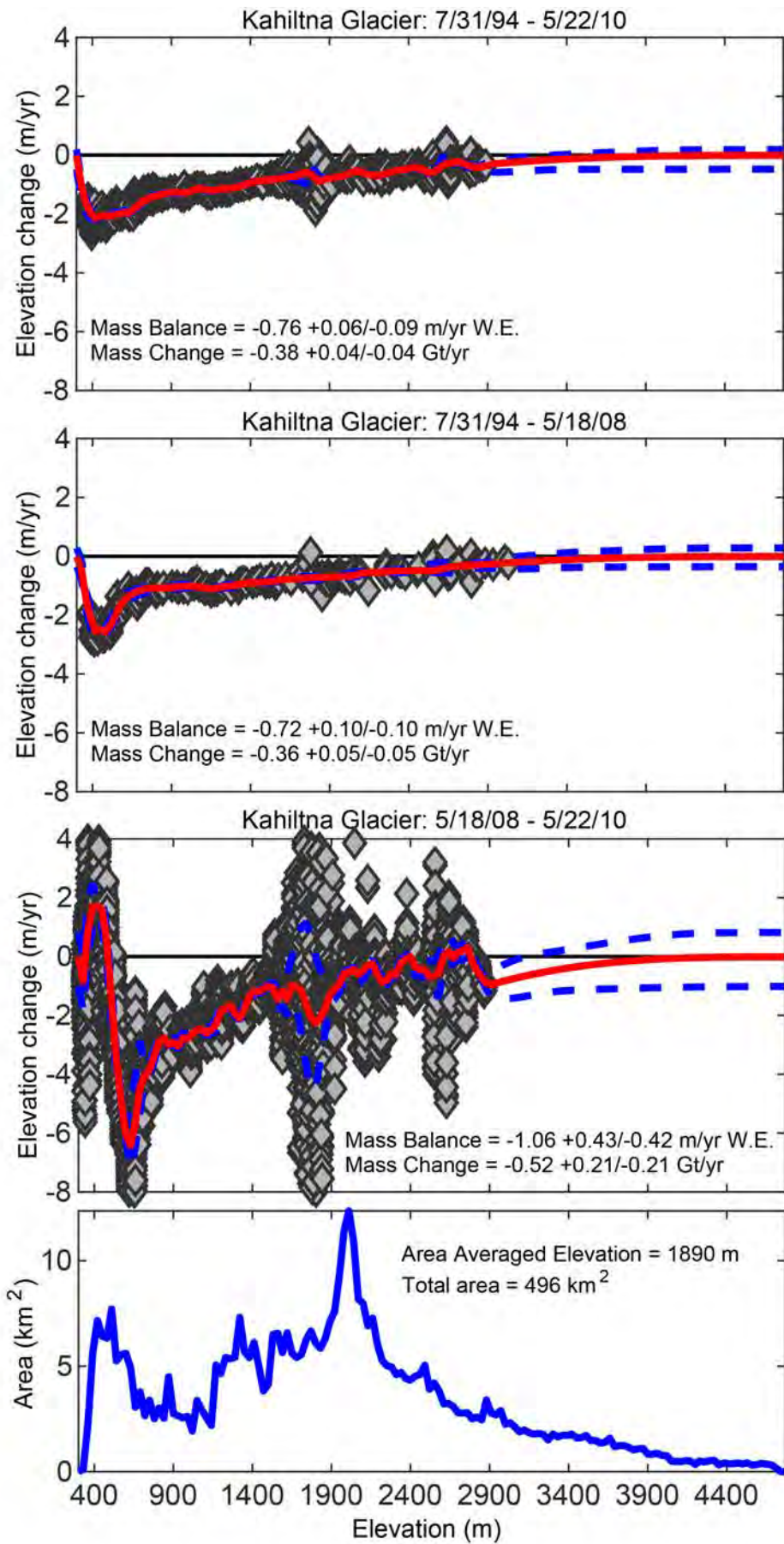


Figure 47. Elevation change and AAD for Kahiltna Glacier.



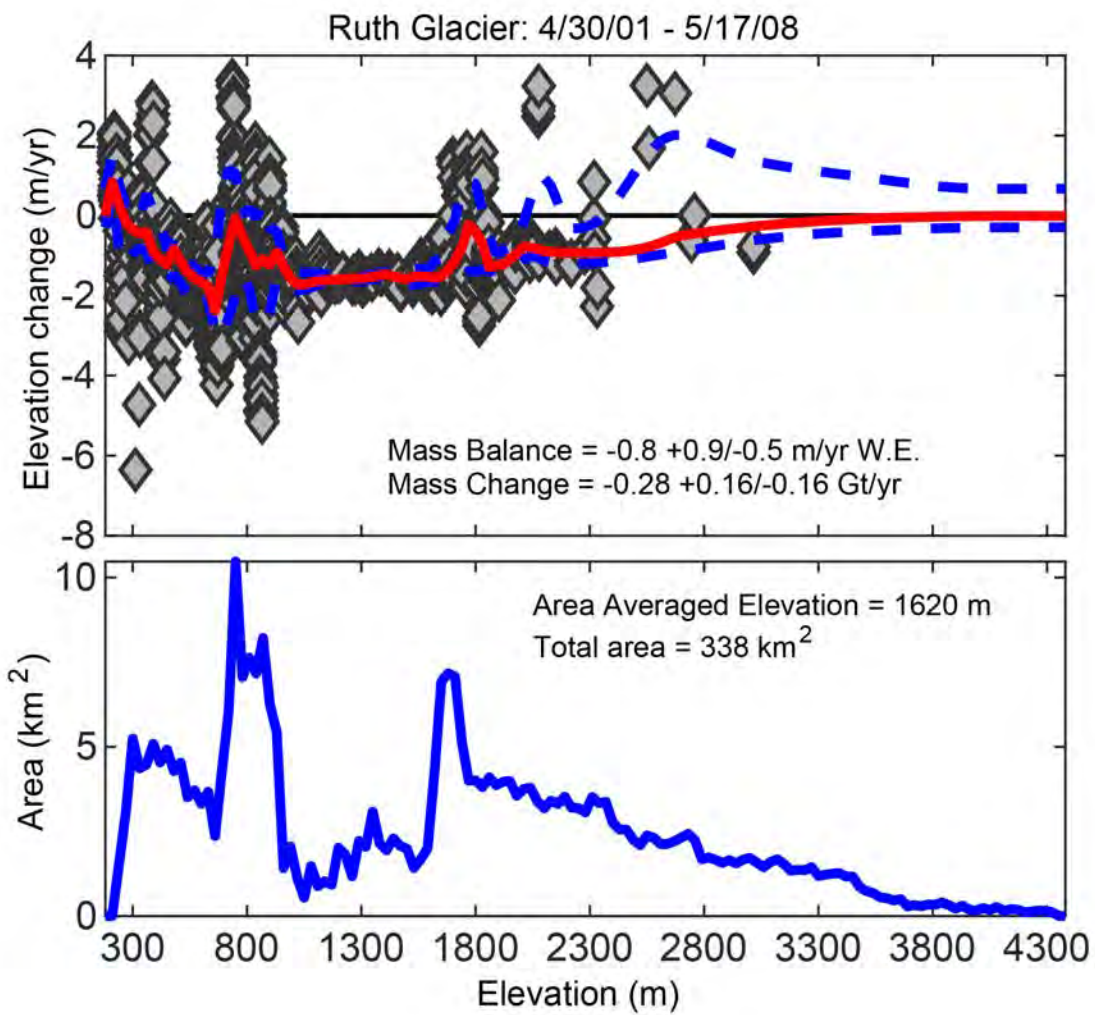


Figure 48. Elevation change and AAD for Ruth Glacier.

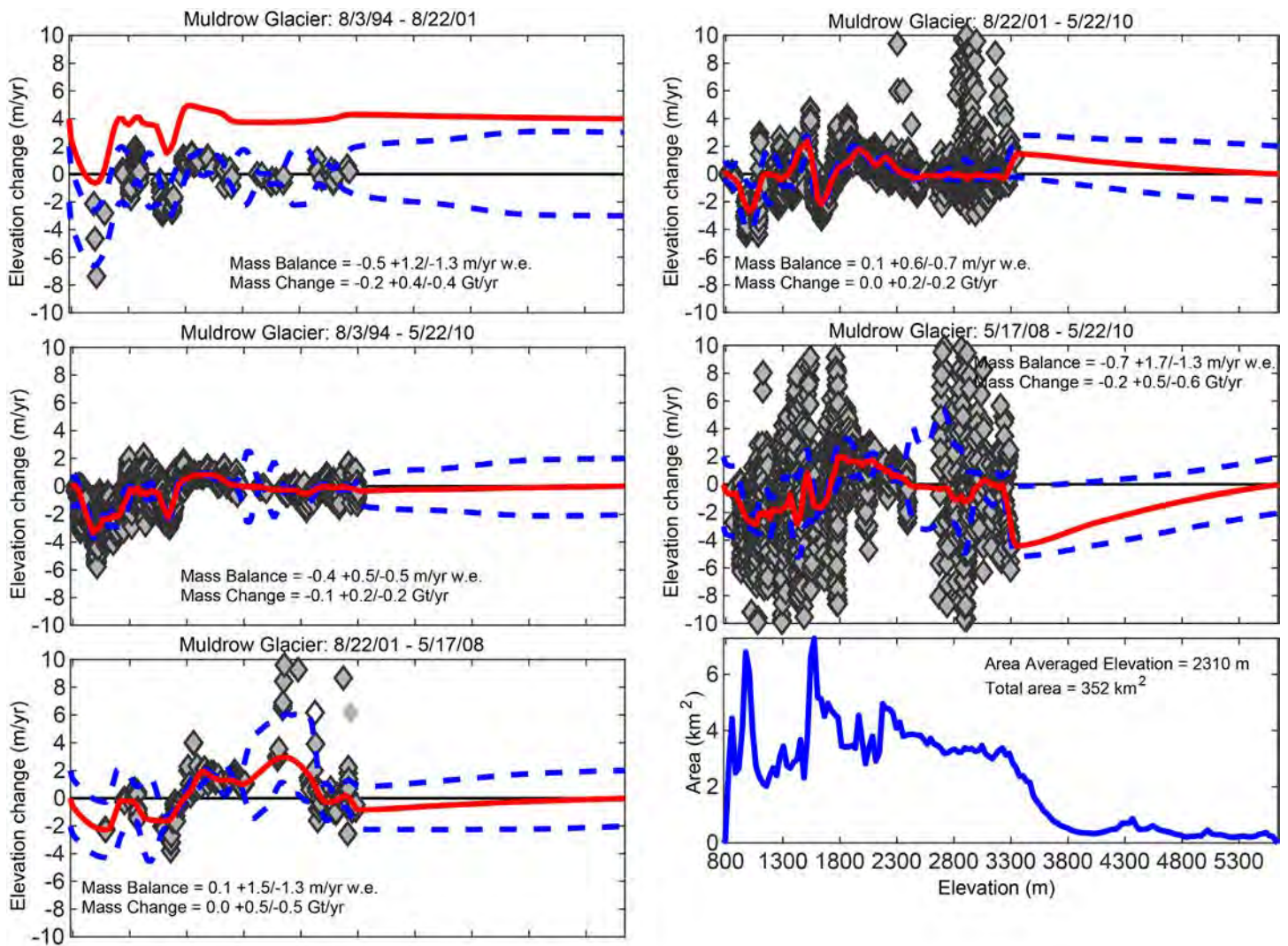


Figure 49. Elevation change and AAD for Muldrow Glacier.

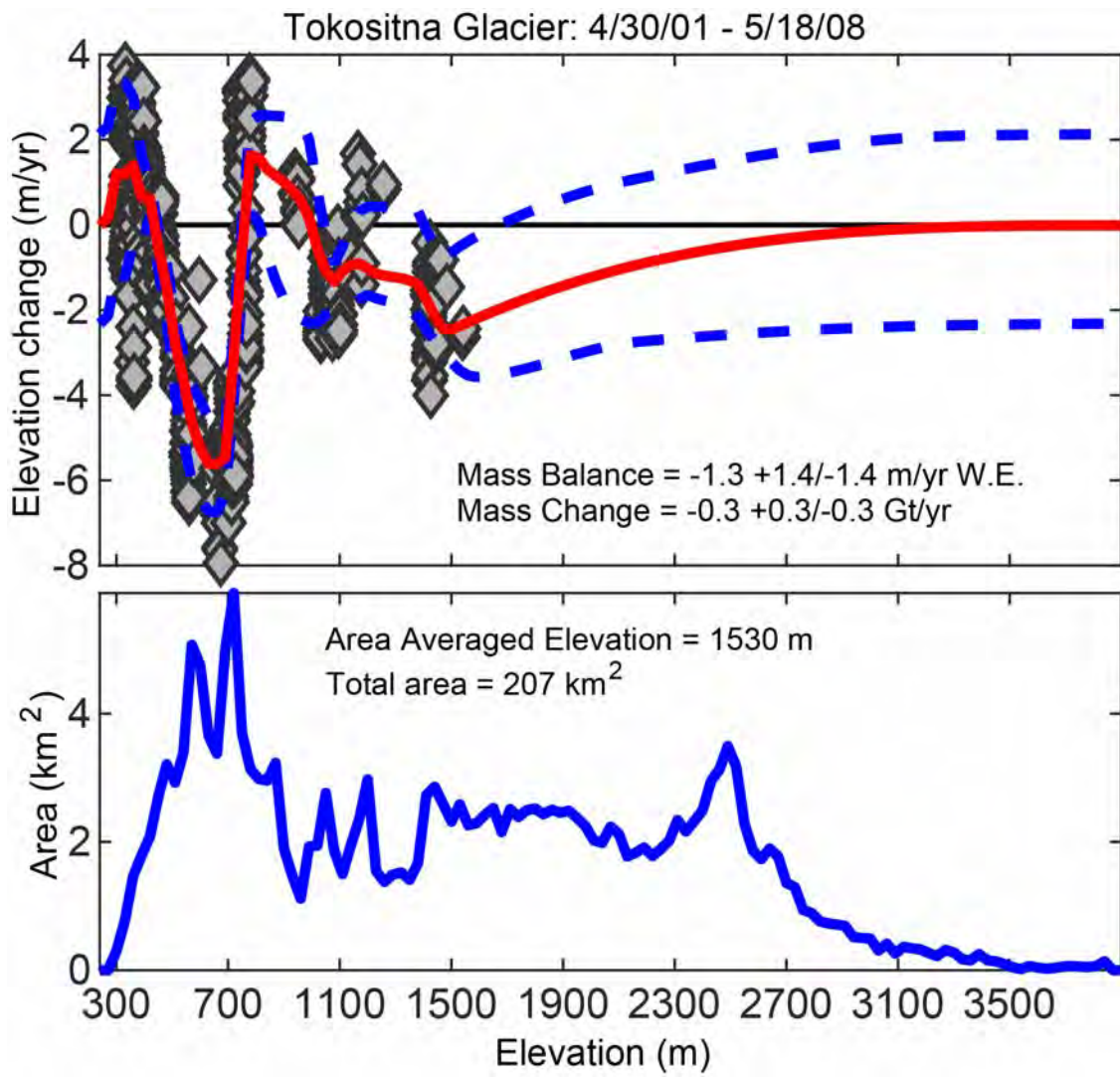


Figure 50. Elevation change and AAD for Tokositna Glacier.

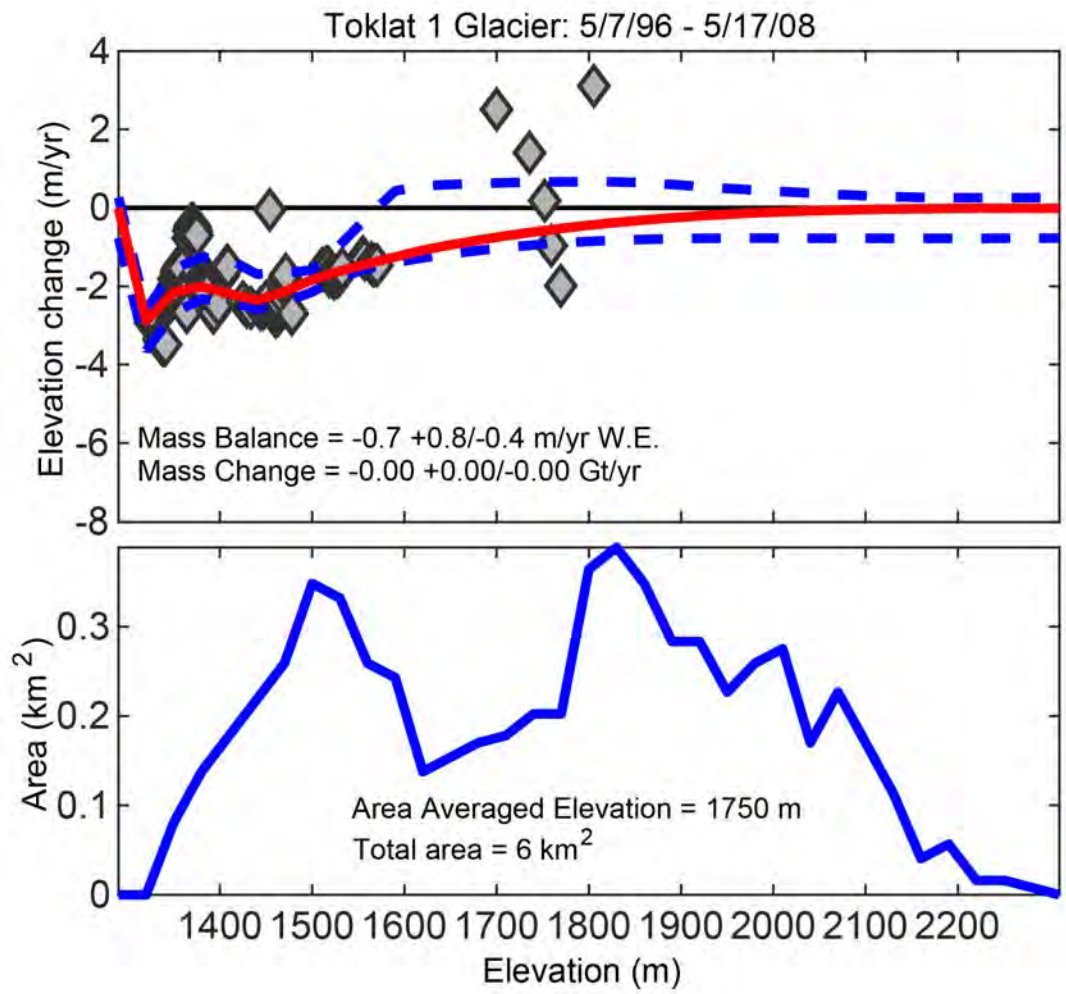


Figure 52. Elevation change and AAD for Toklat 1 Glacier.

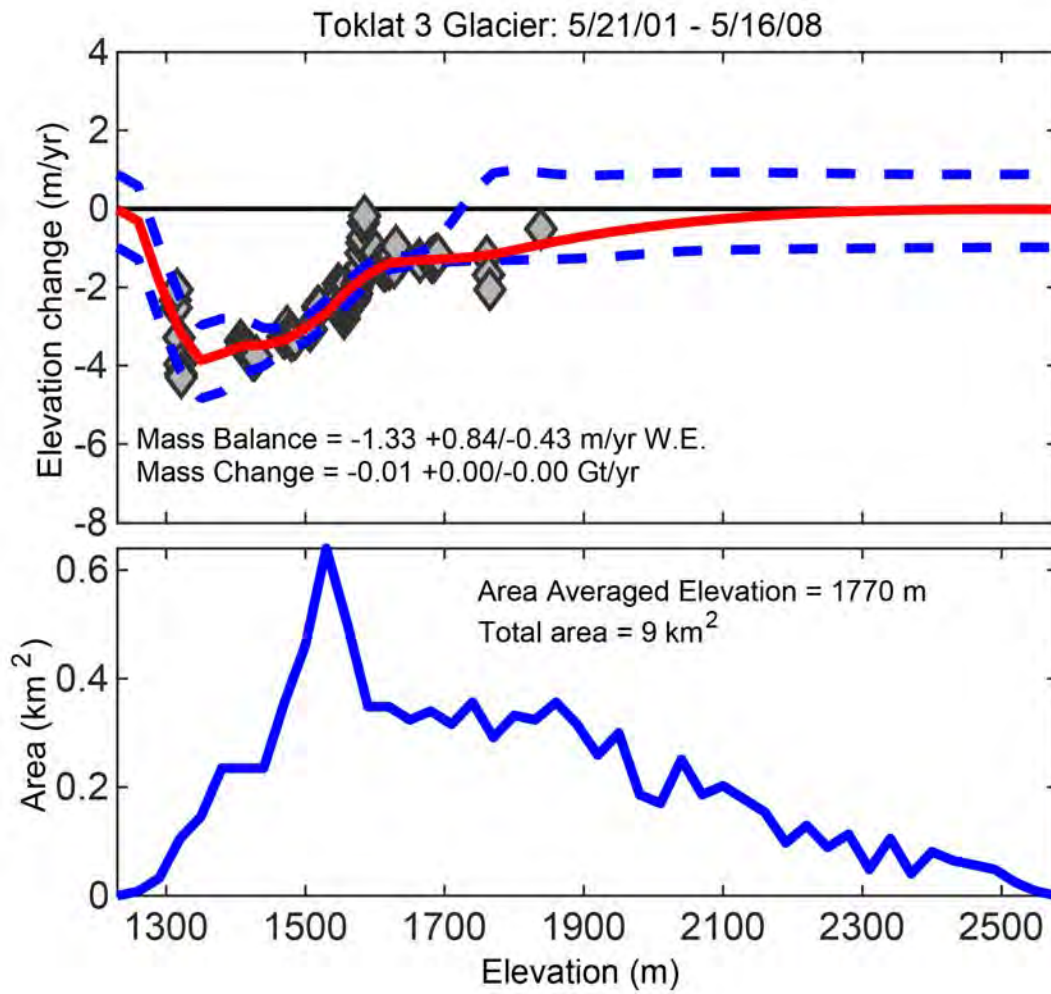


Figure 53. Elevation change and AAD for Toklat 3 Glacier.

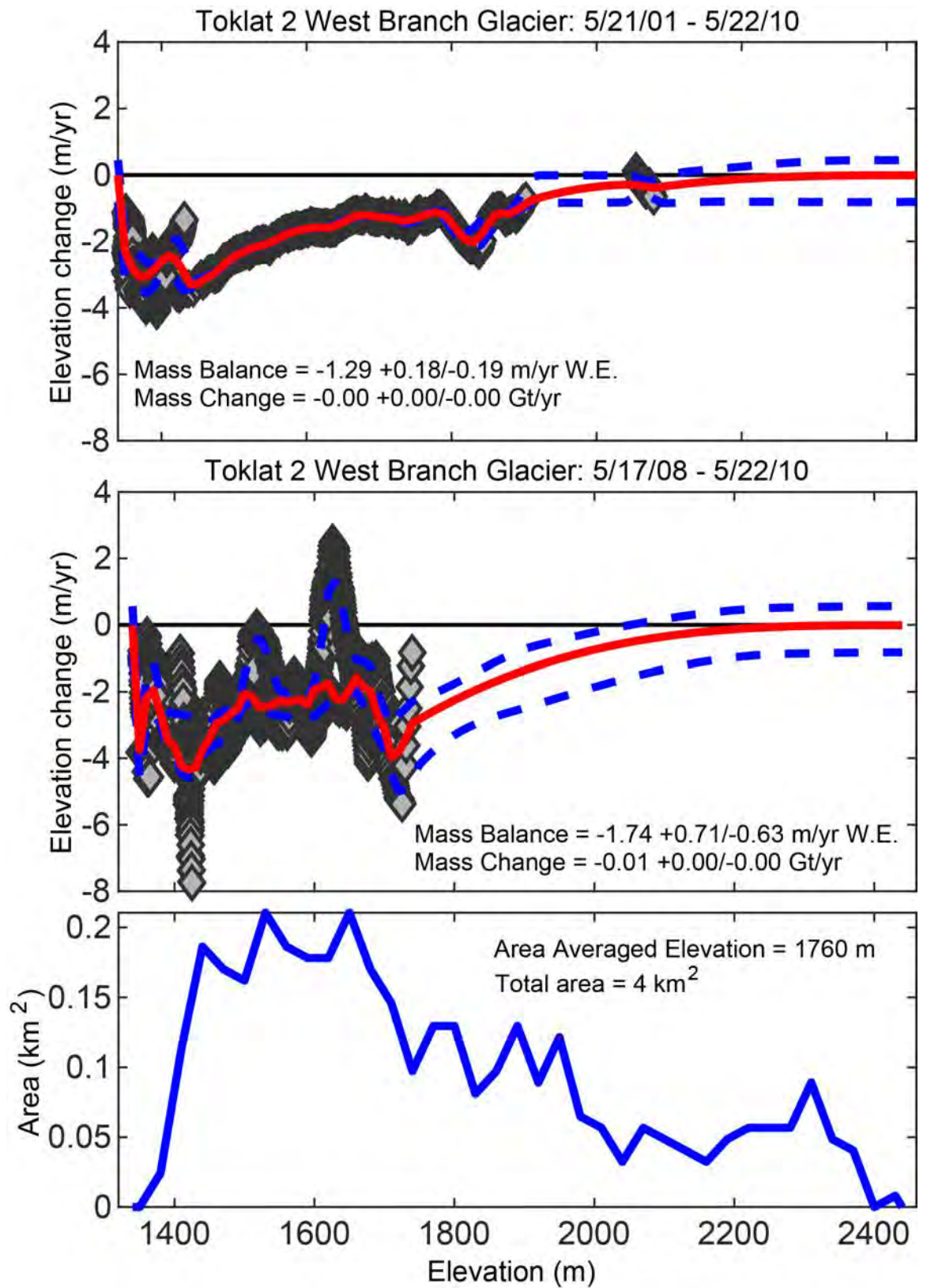


Figure 54. Elevation change and AAD for Toklat 2 West Branch Glacier.

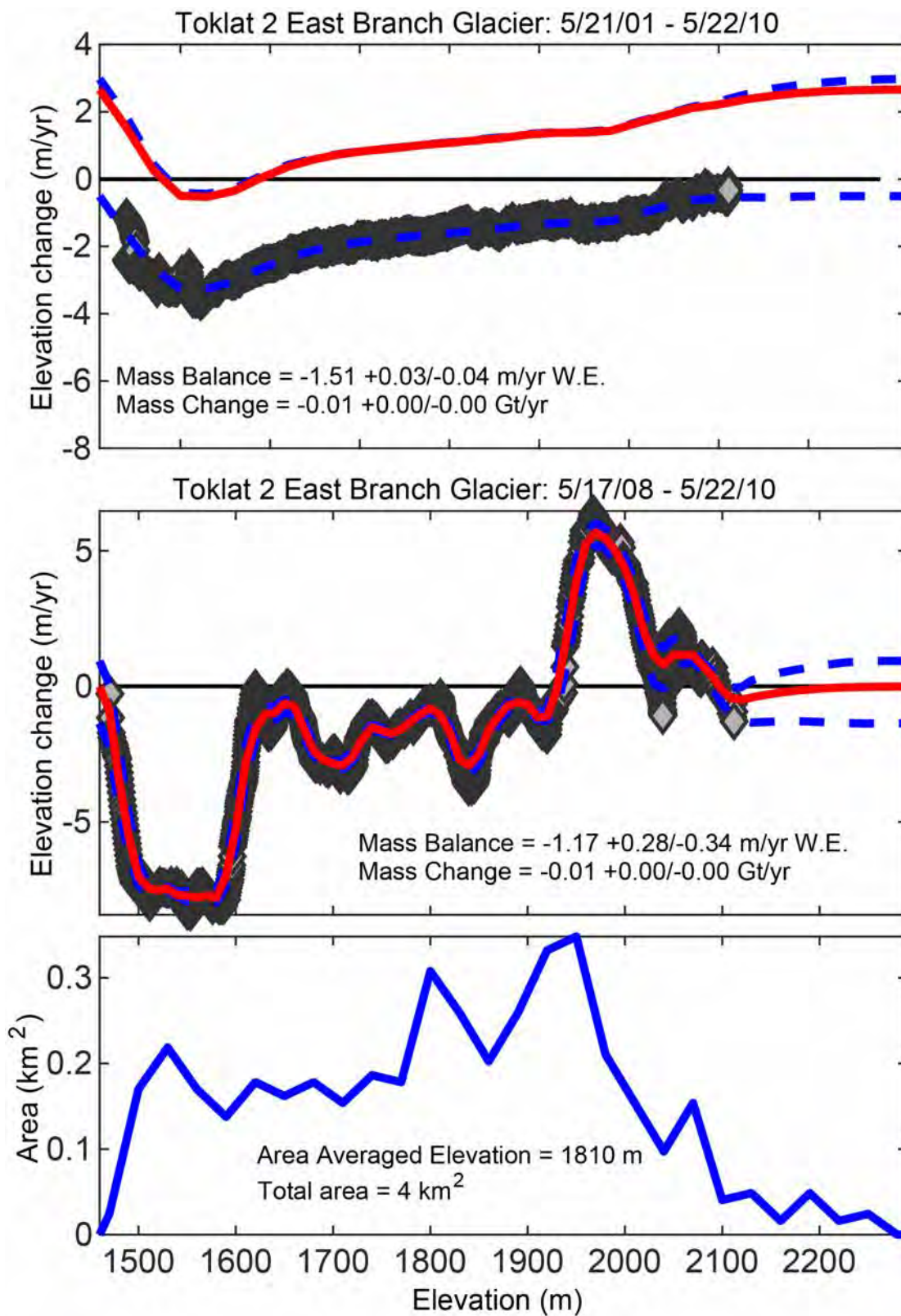


Figure 55. Elevation change and AAD for Toklat 2 East Branch Glacier.

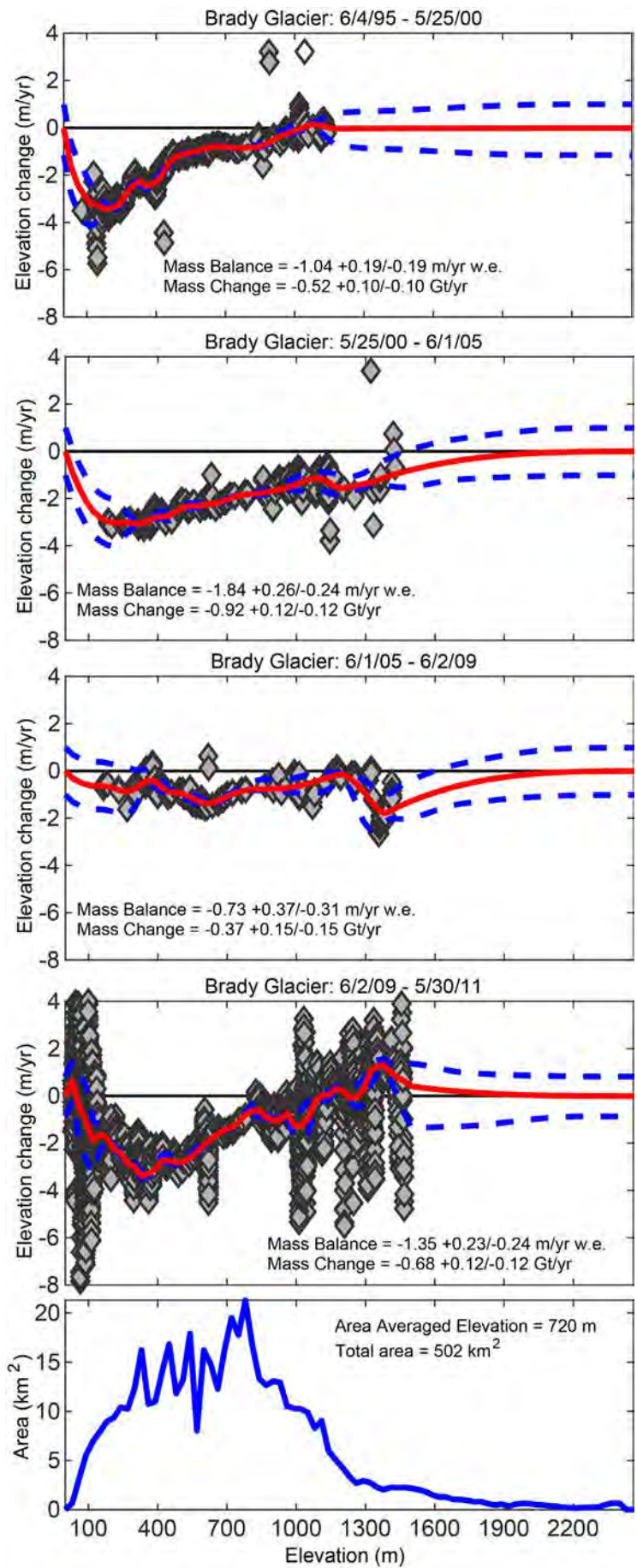


Figure 60. Elevation change and AAD for Brady Glacier.



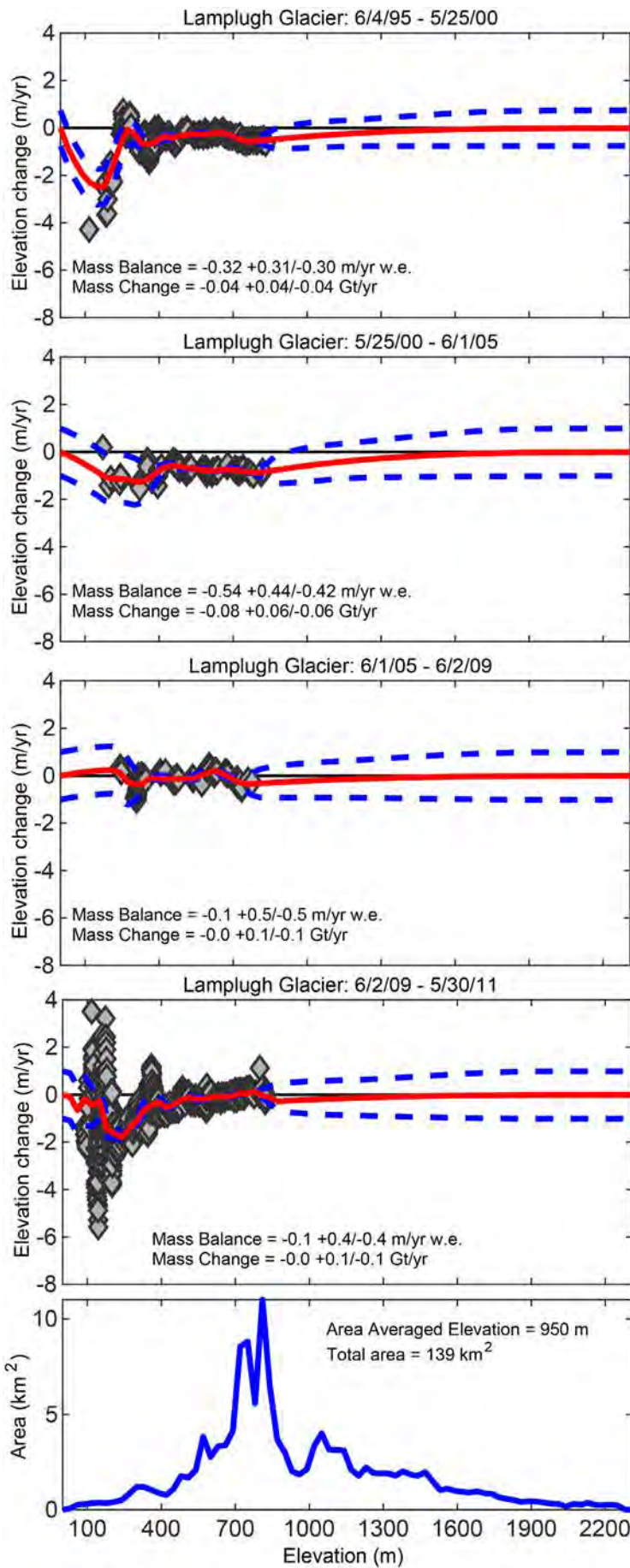


Figure 61. Elevation change and AAD for Lamplugh Glacier.

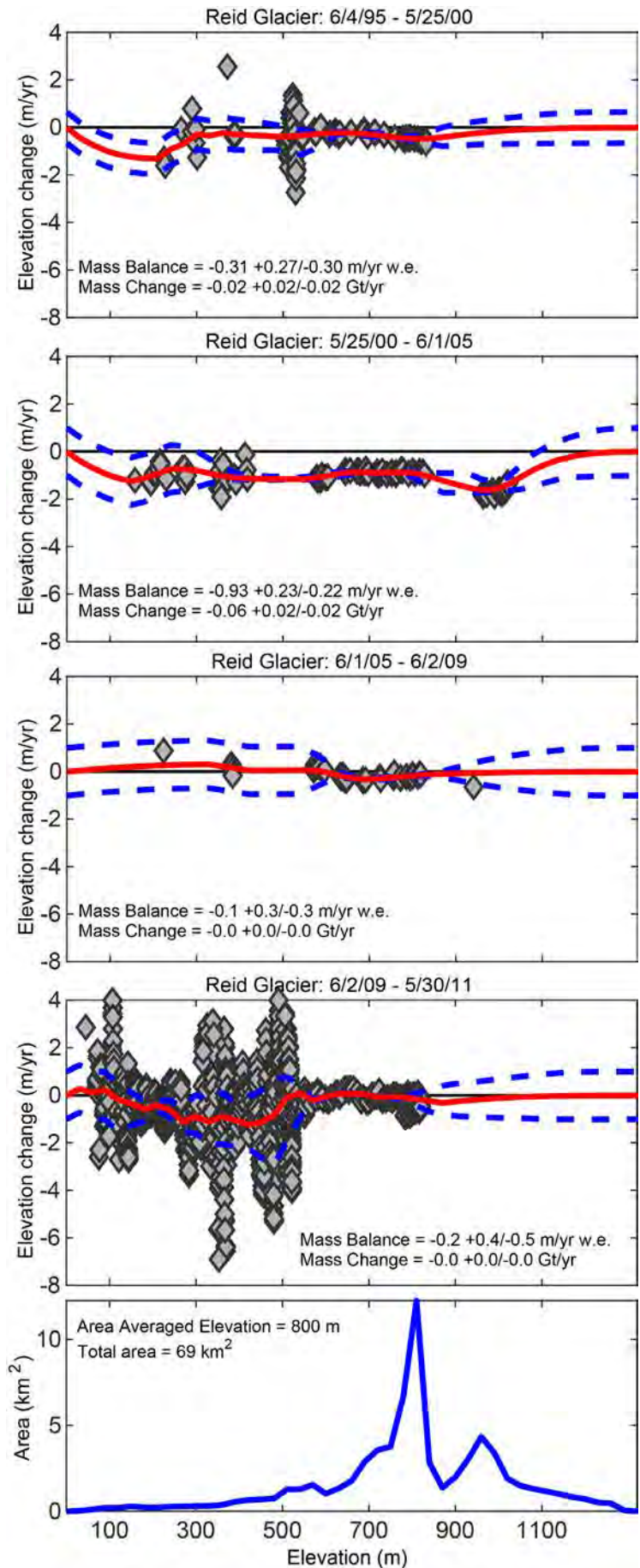


Figure 62. Elevation change and AAD for Reid Glacier.

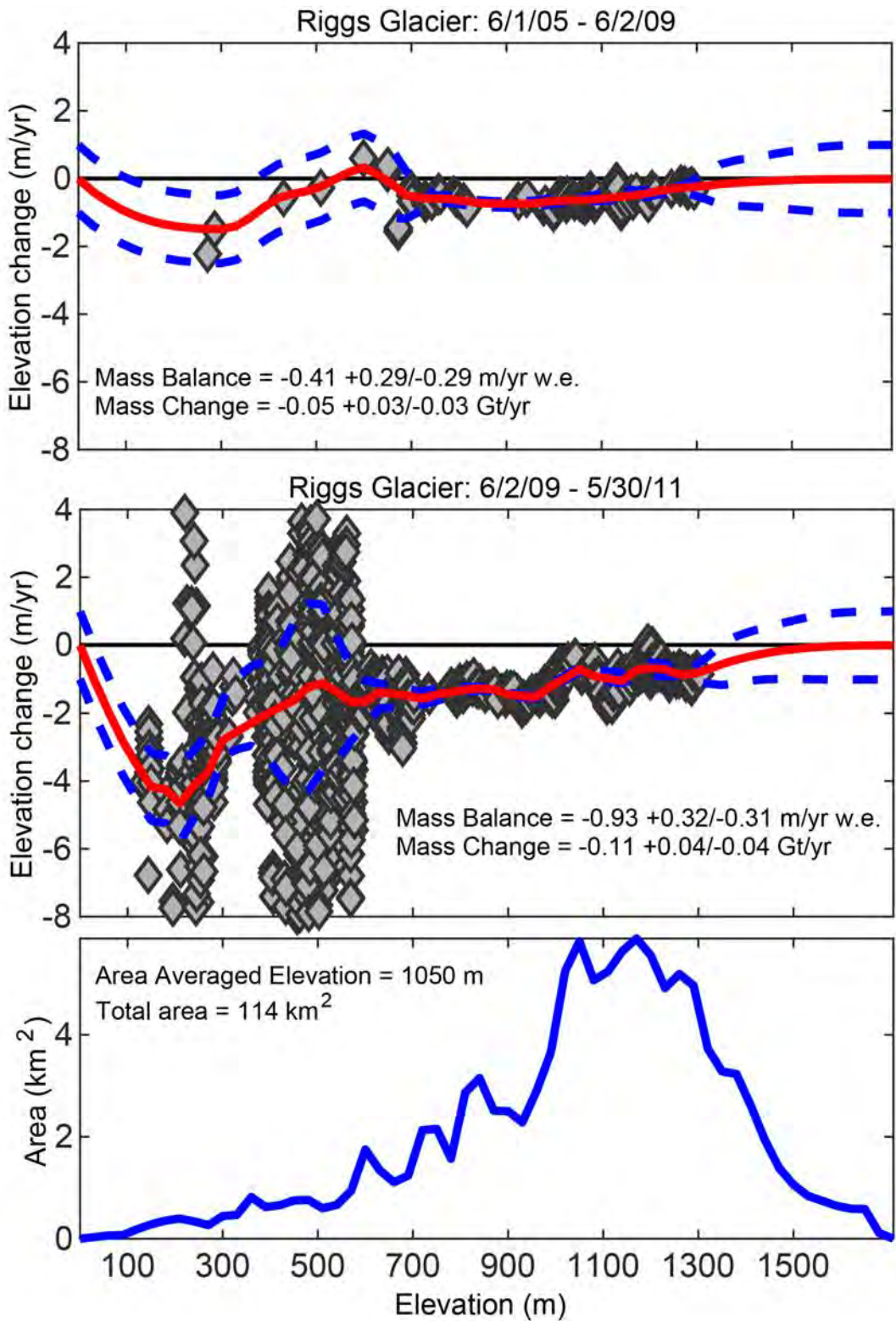


Figure 63. Elevation change and AAD for Riggs Glacier.

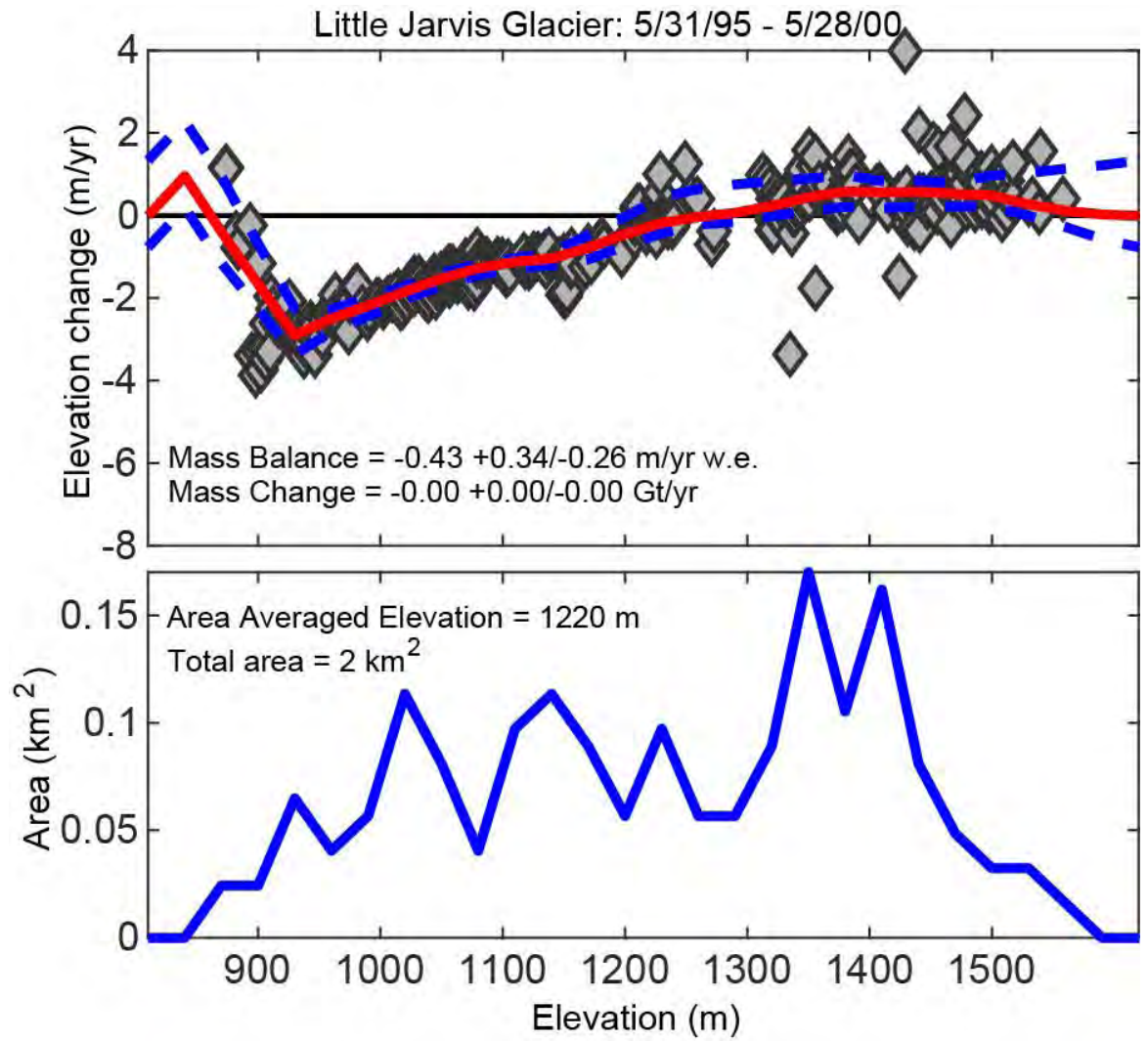


Figure 64. Elevation change and AAD for Little Jarvis Glacier.

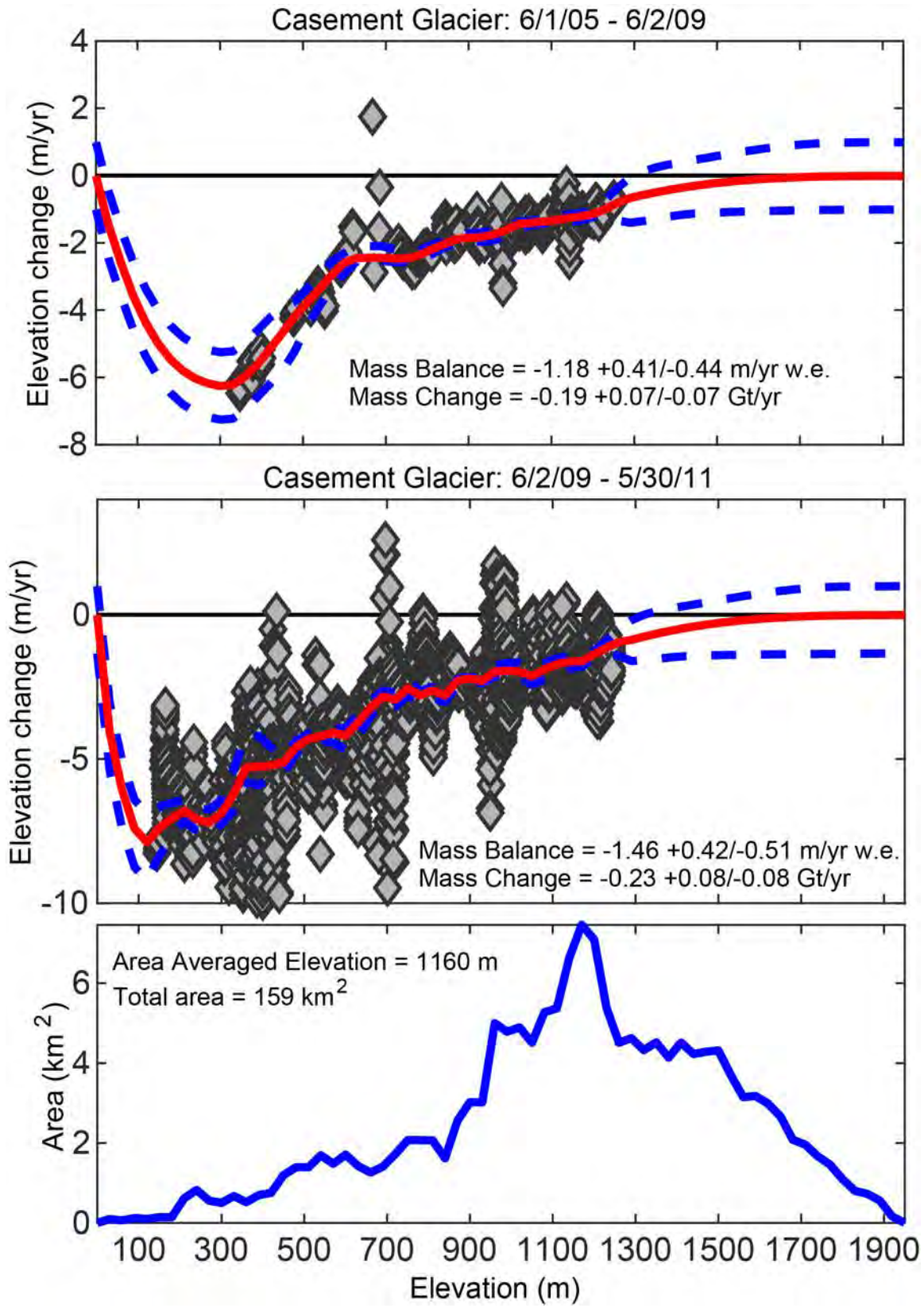


Figure 65. Elevation change and AAD for Casement Glacier.

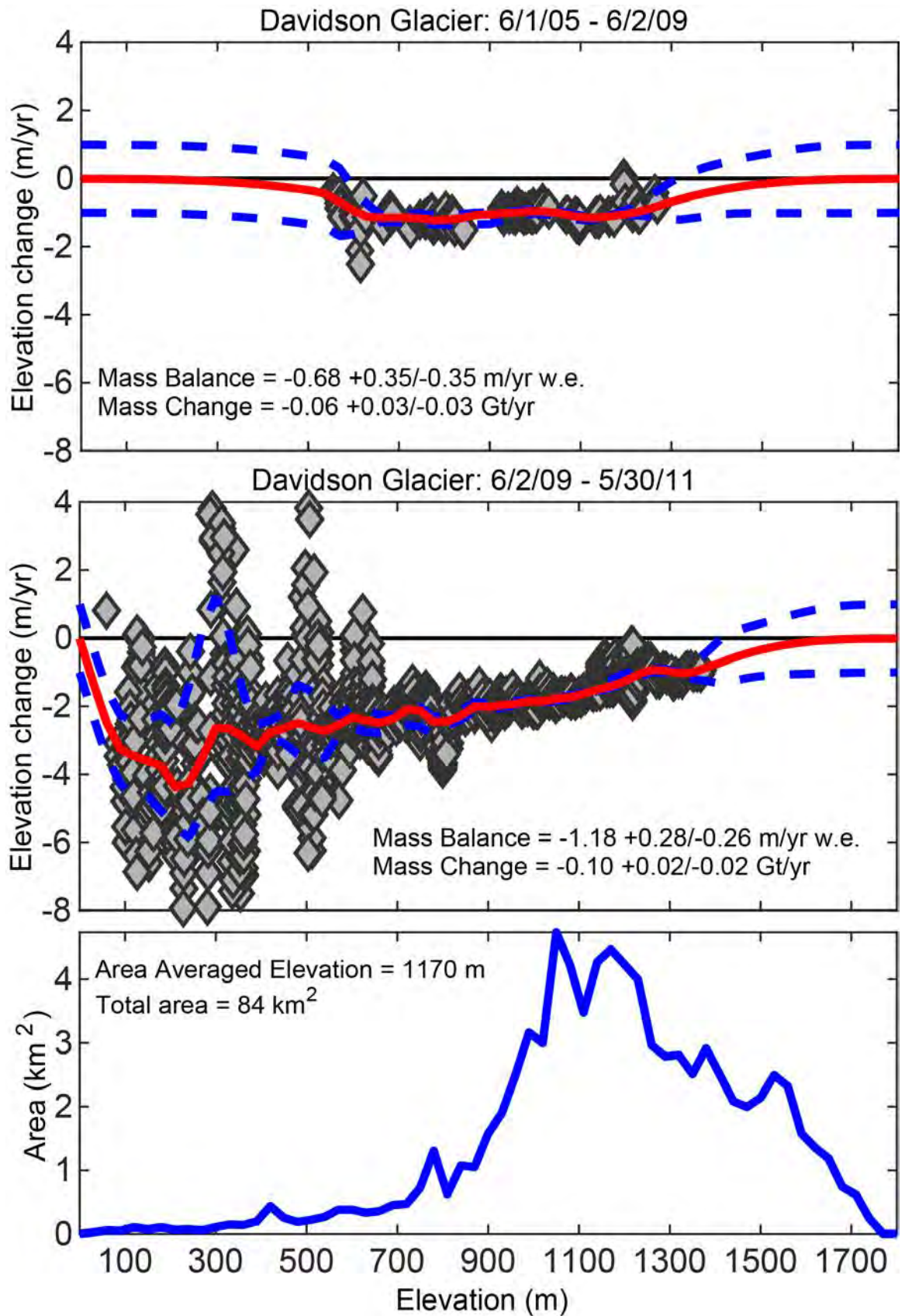


Figure 66. Elevation change and AAD for Davidson Glacier.

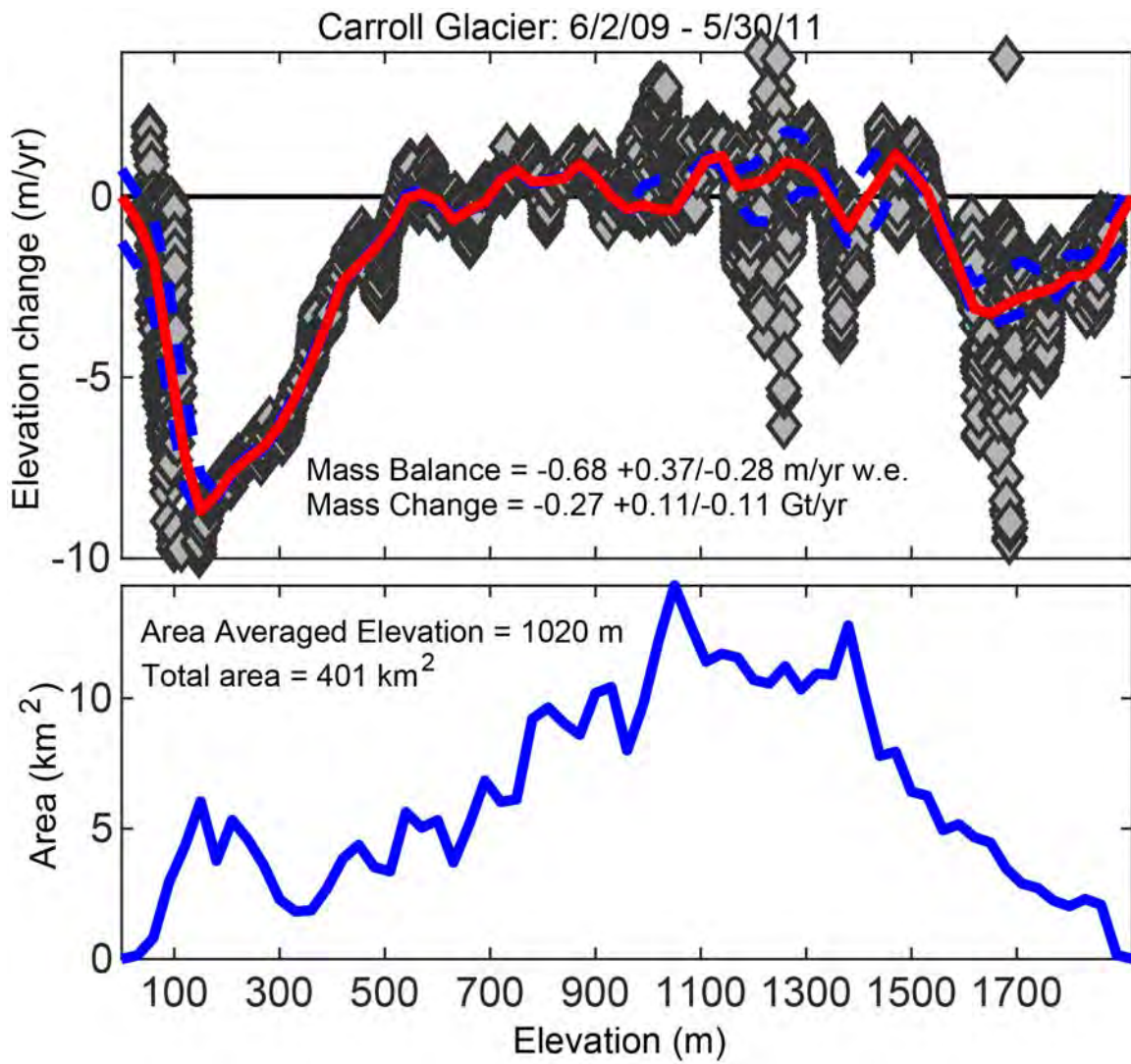


Figure 67. Elevation change and AAD for Carroll Glacier.

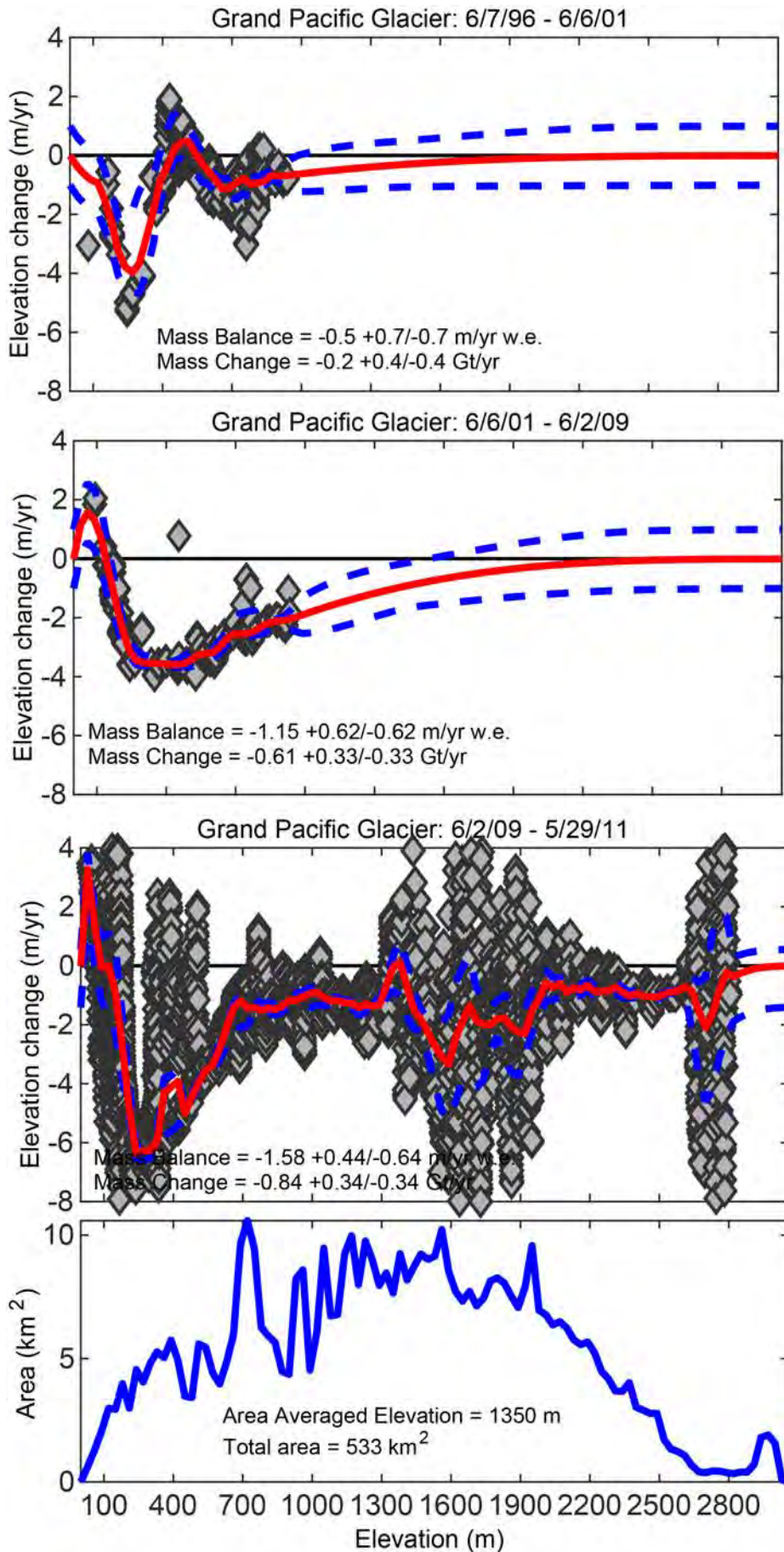


Figure 69. Elevation change and AAD for Grand Pacific Glacier.



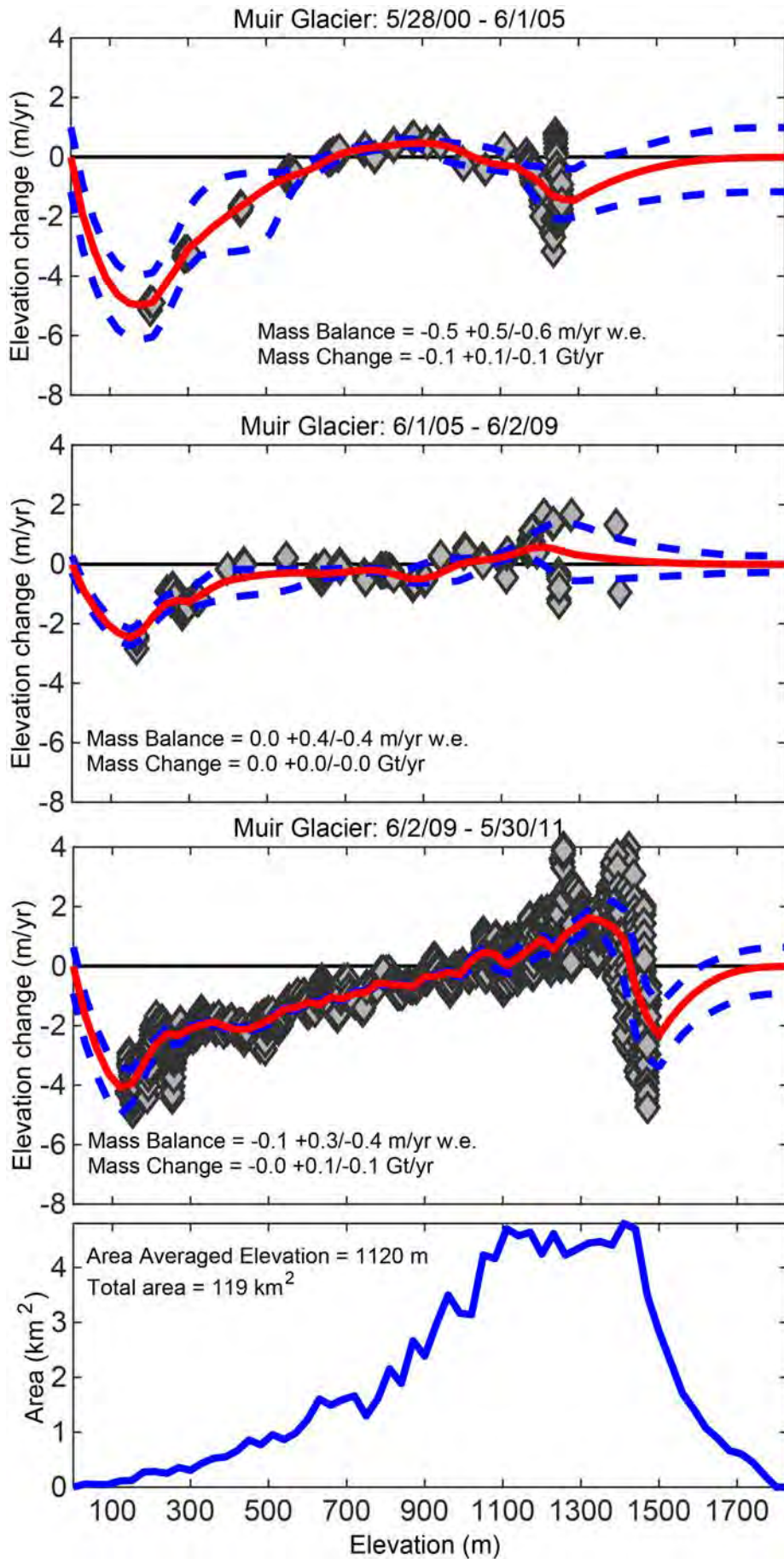


Figure 70. Elevation change and AAD for Muir Glacier.

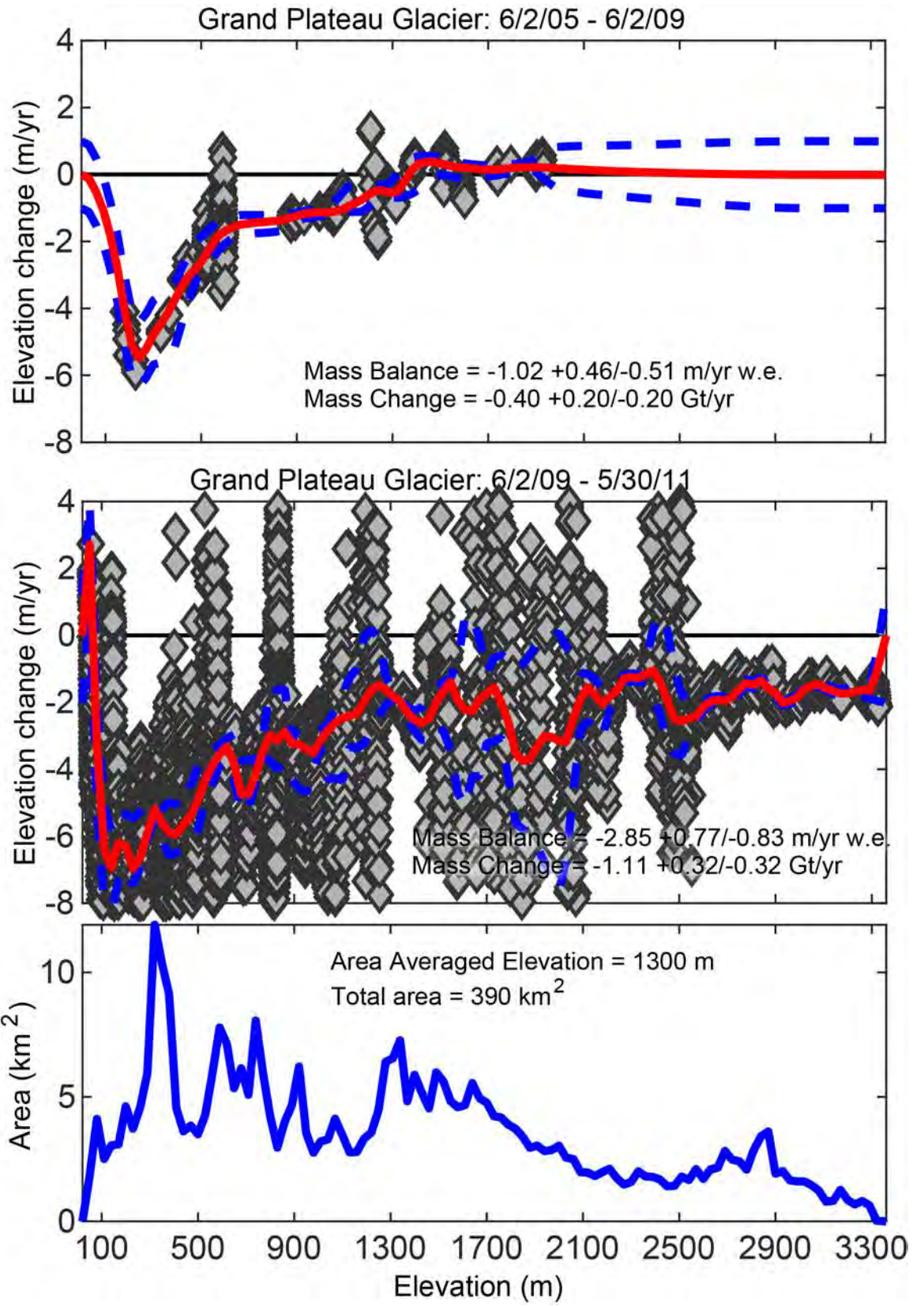


Figure 71. Elevation change and AAD for Grand Plateau Glacier.

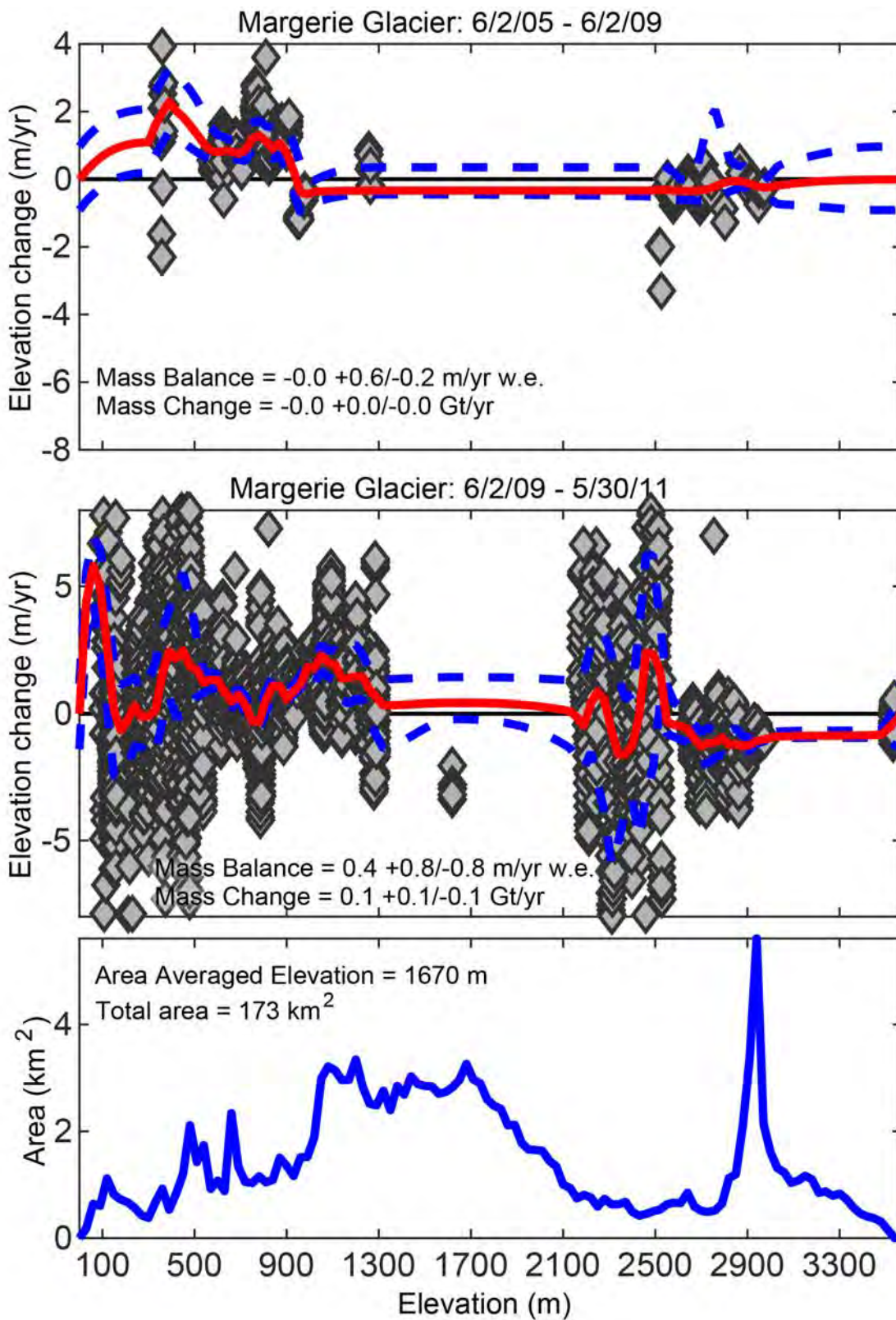


Figure 72. Elevation change and AAD for Margerie Glacier.

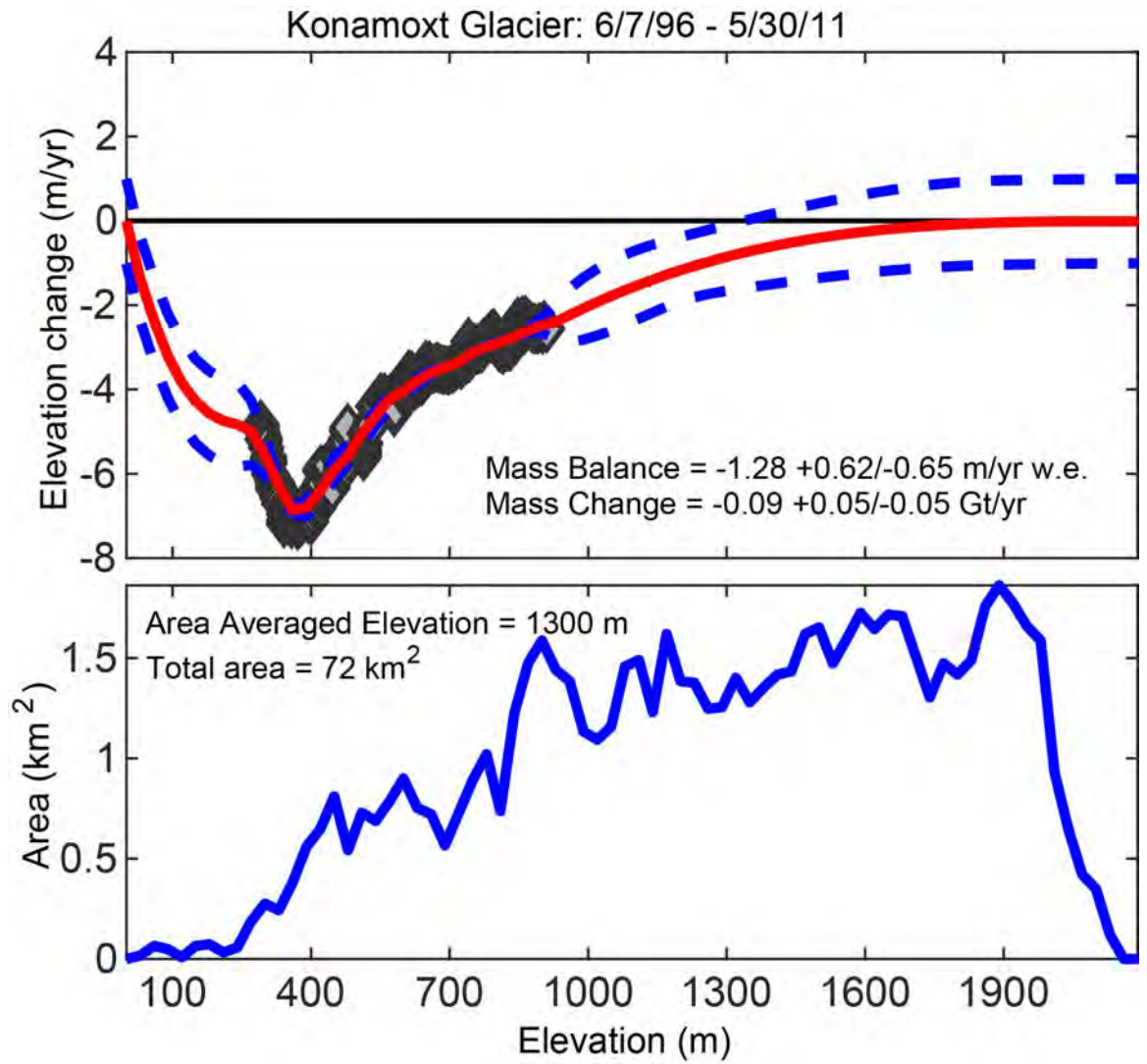


Figure 73. Elevation change and AAD for Konamox Glacier.

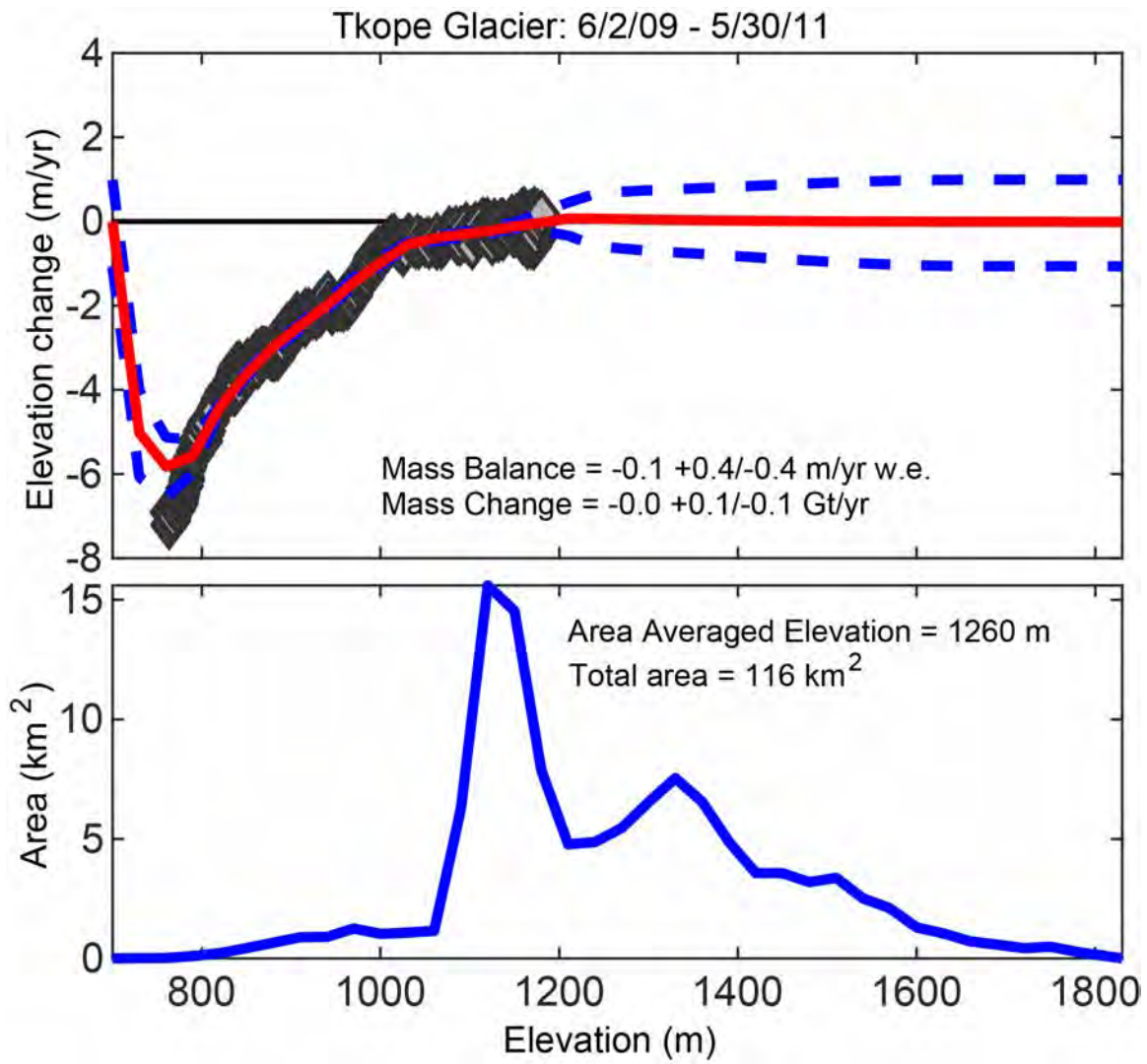


Figure 75. Elevation change and AAD for Tkopec Glacier.

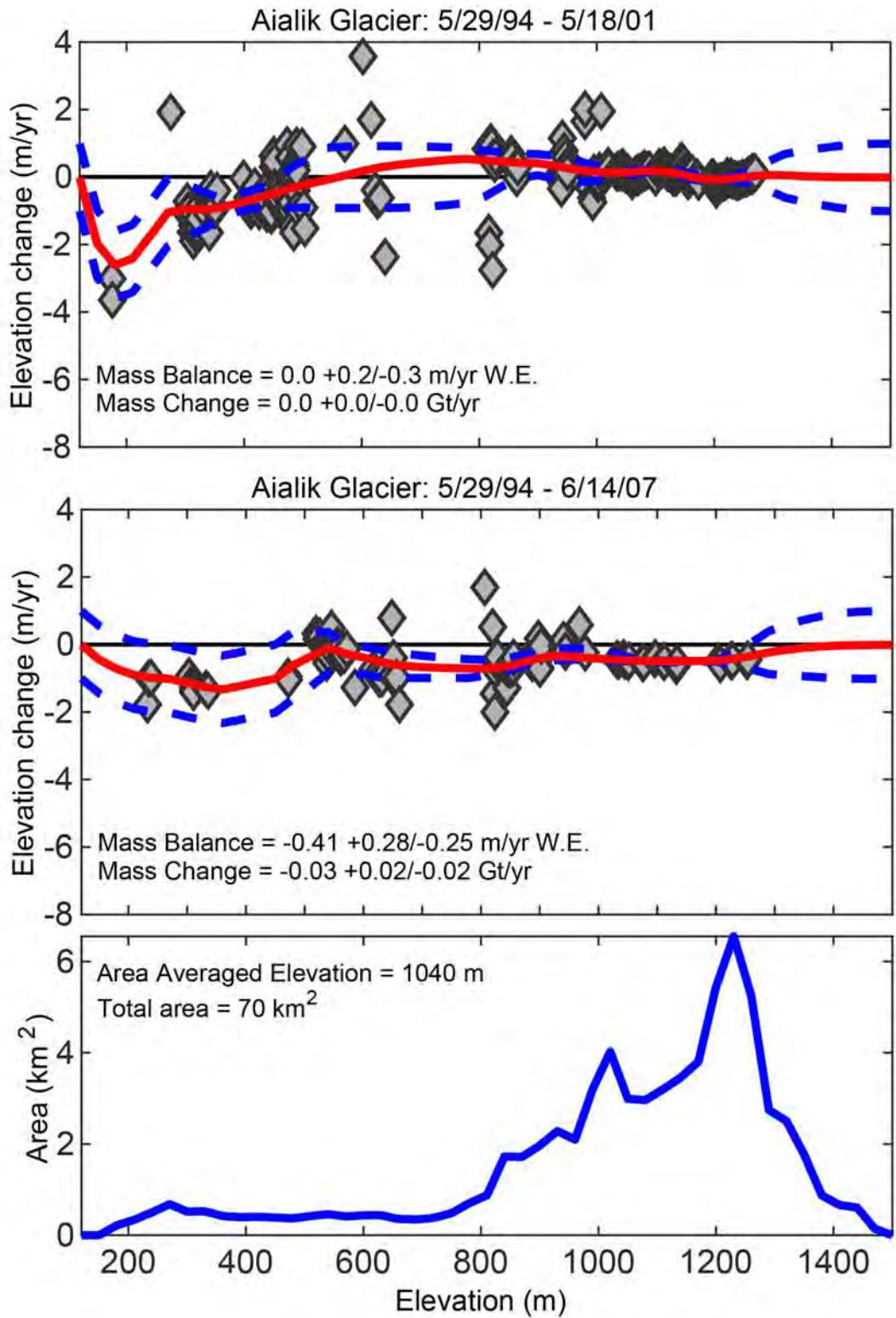


Figure 82. Elevation change and AAD for Aialik Glacier.

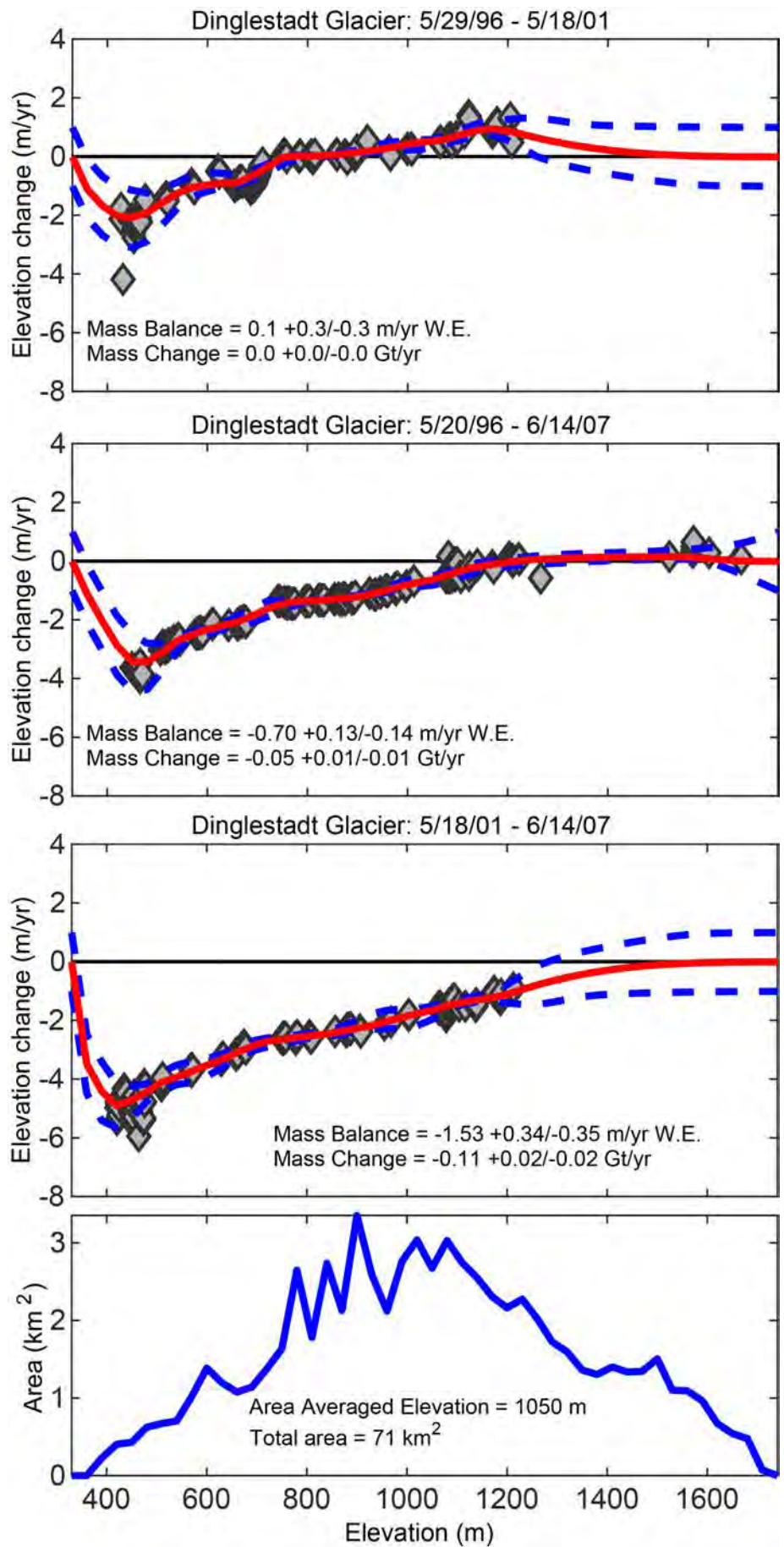


Figure 85. Elevation change and AAD for Dinglestadt Glacier.

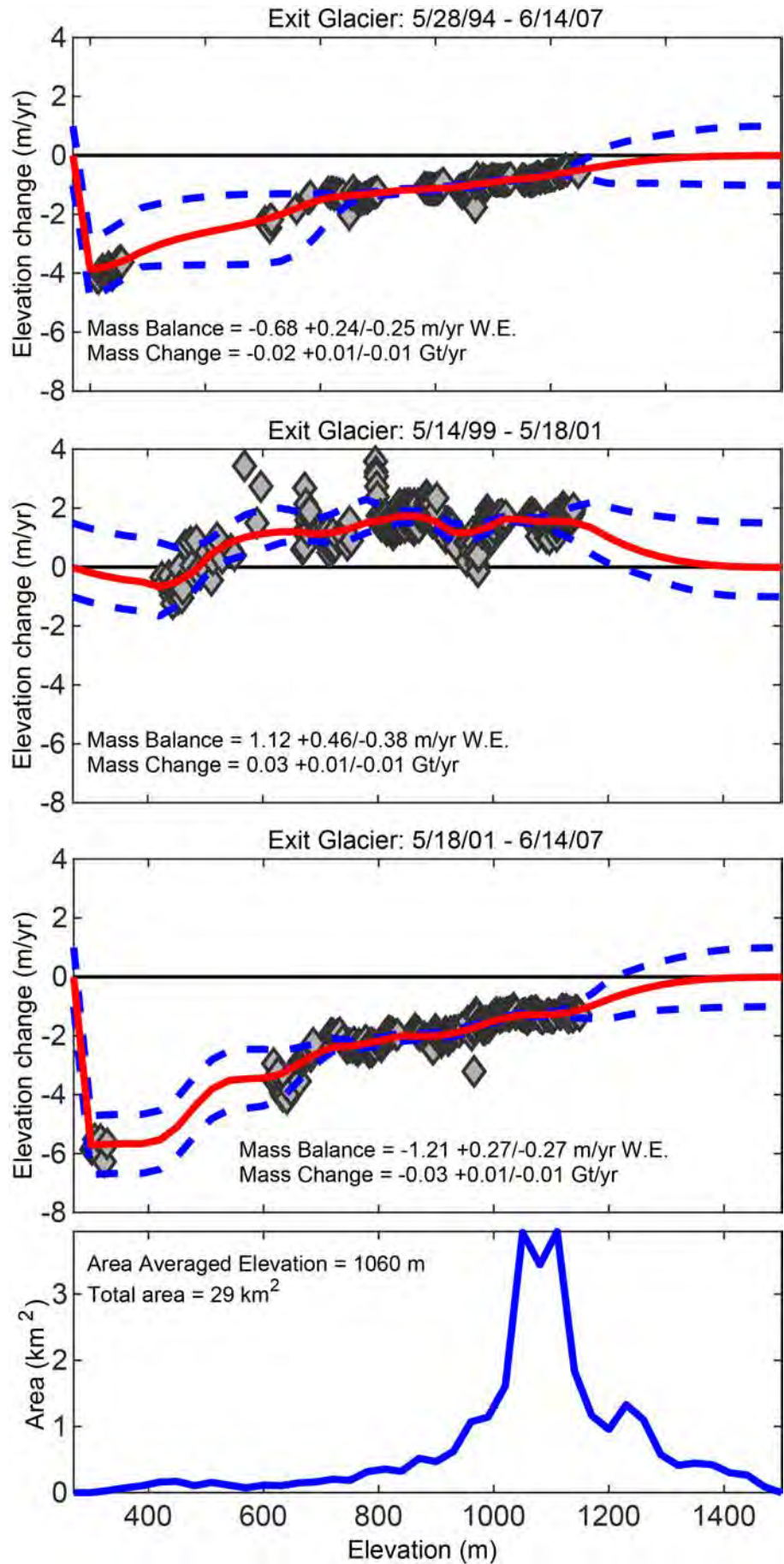


Figure 86. Elevation change and AAD for Exit Glacier.



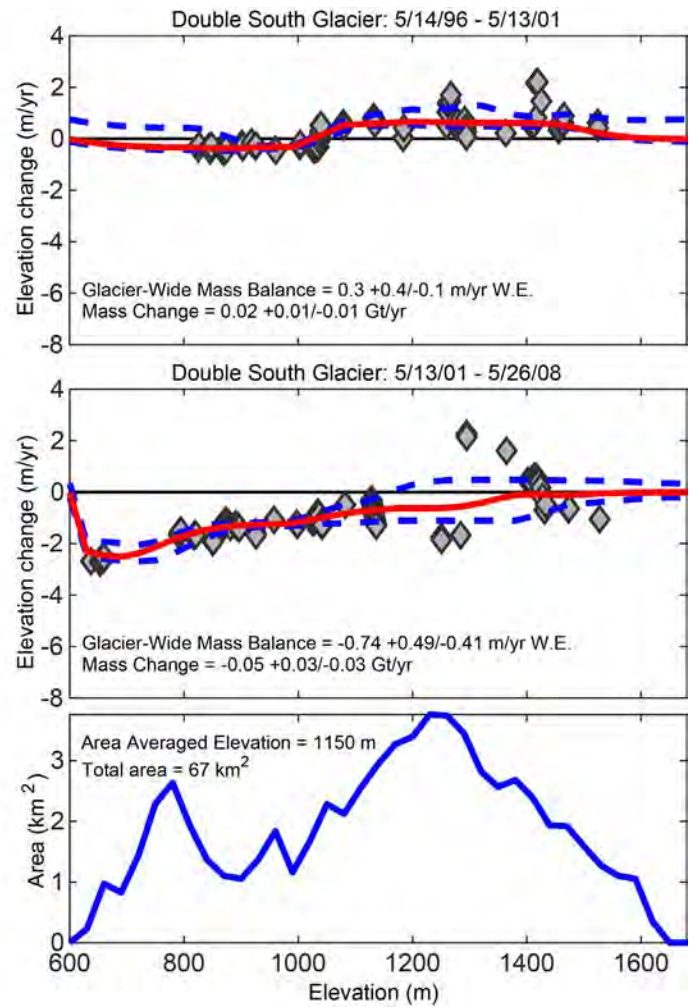
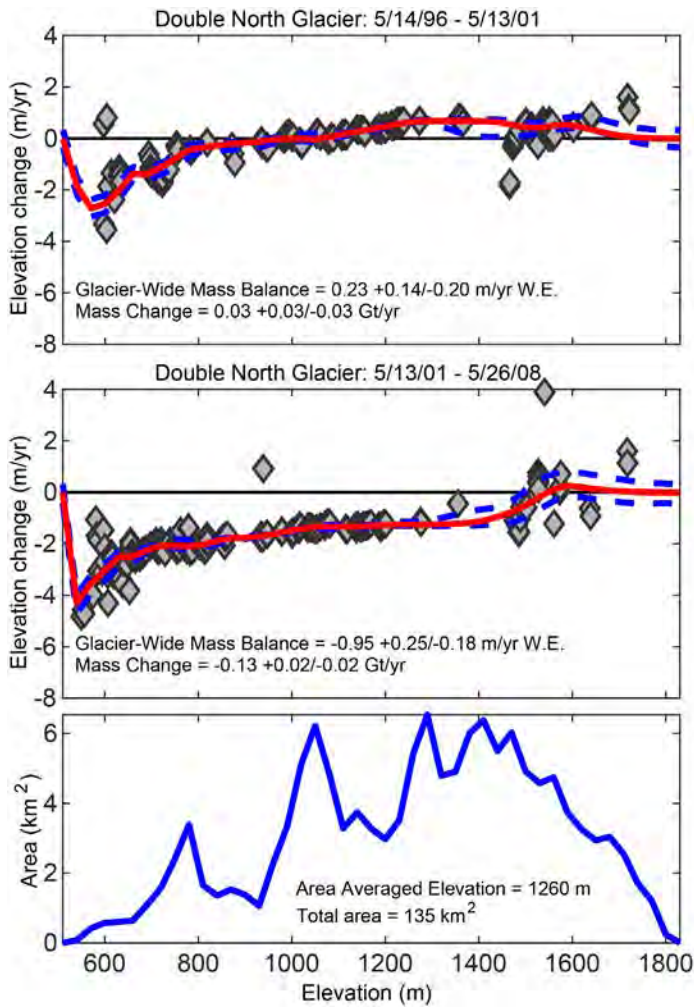


Figure 97. Elevation change and AAD for two individual forks of Double Glacier. Note that MB and MC are not in either case reflective of the entire accumulation and ablation areas.

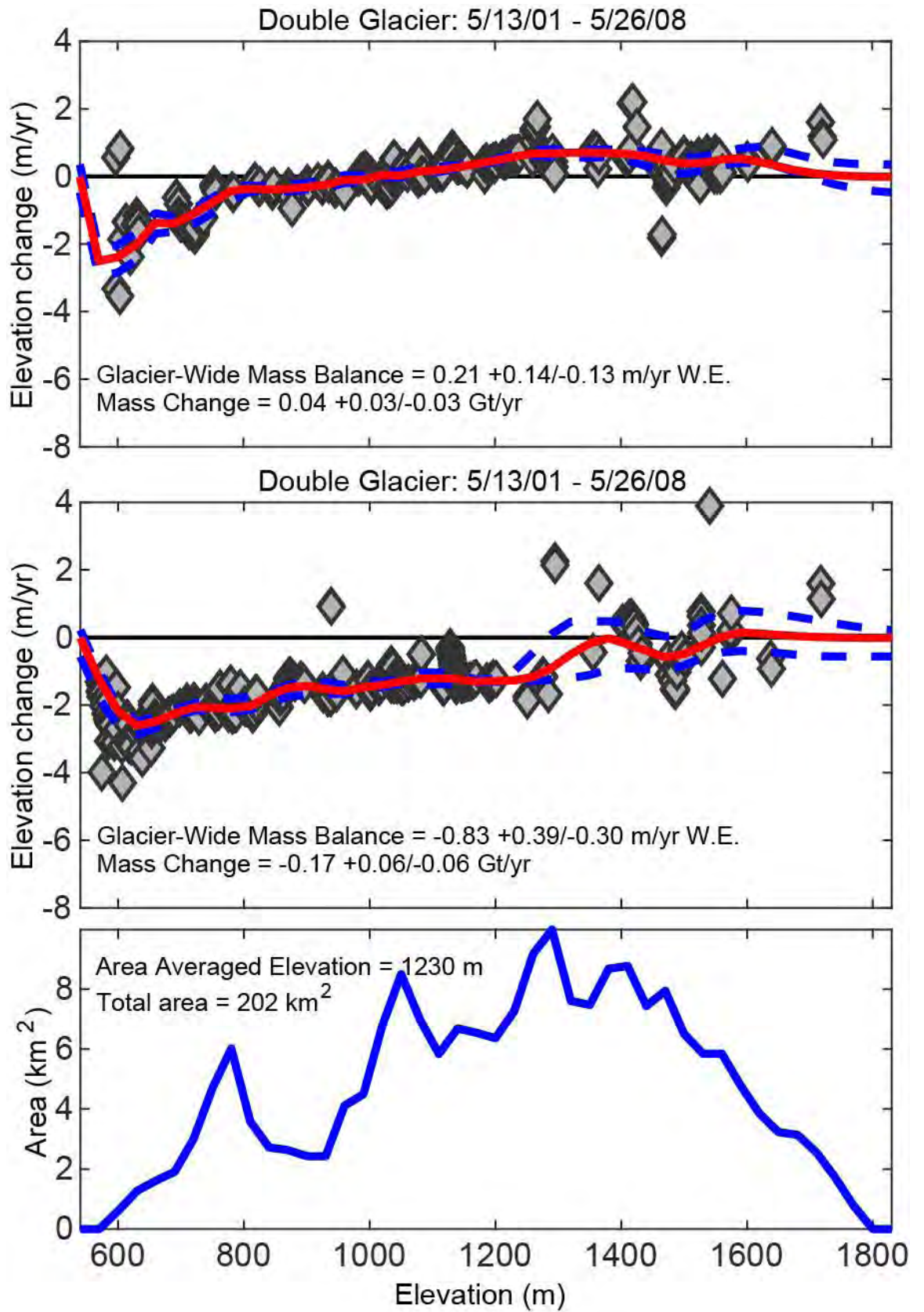


Figure 98. Elevation change and AAD for Double Glacier, reflecting both forks shown in Figure 92.

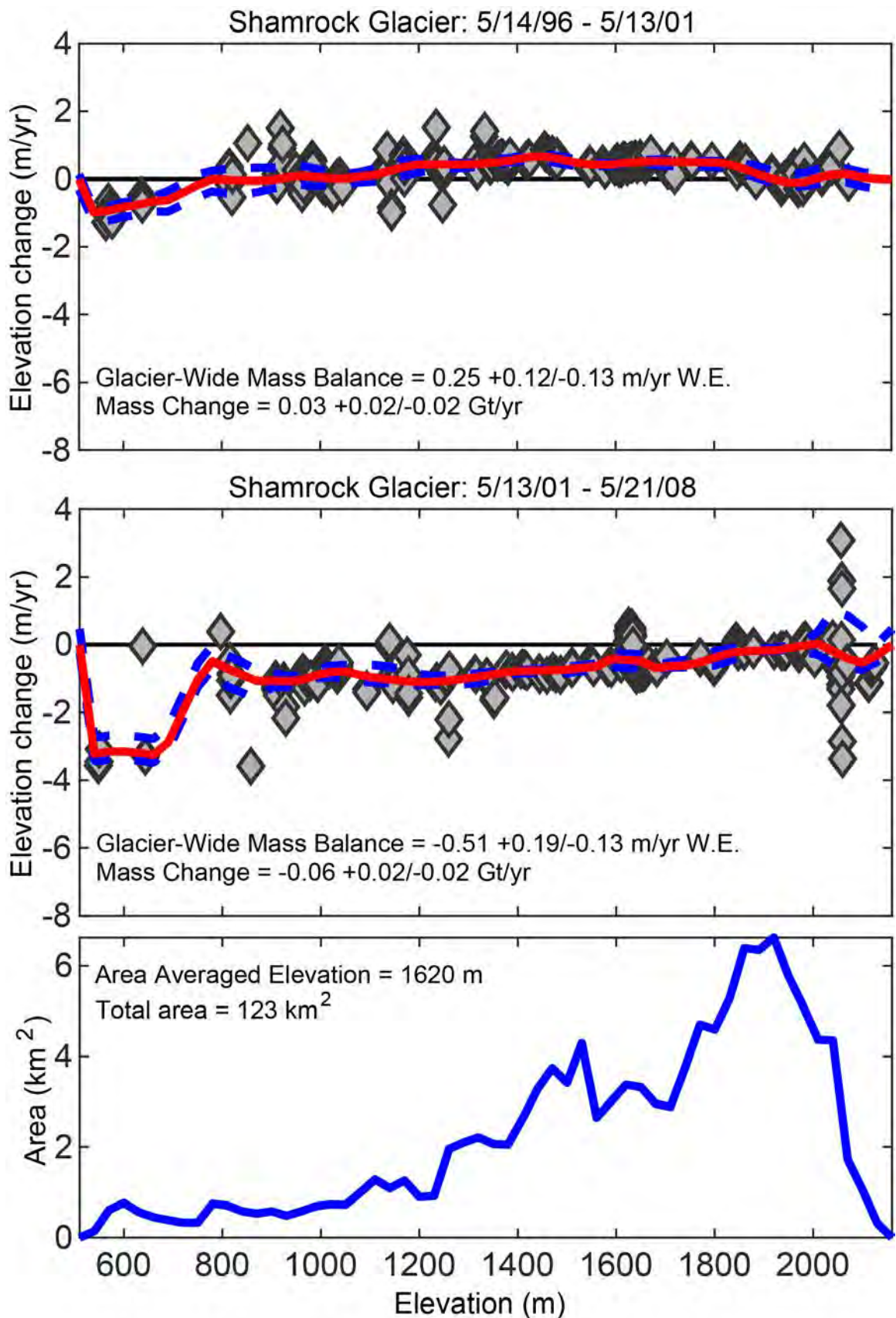


Figure 99. Elevation change and AAD for Shamrock Glacier.

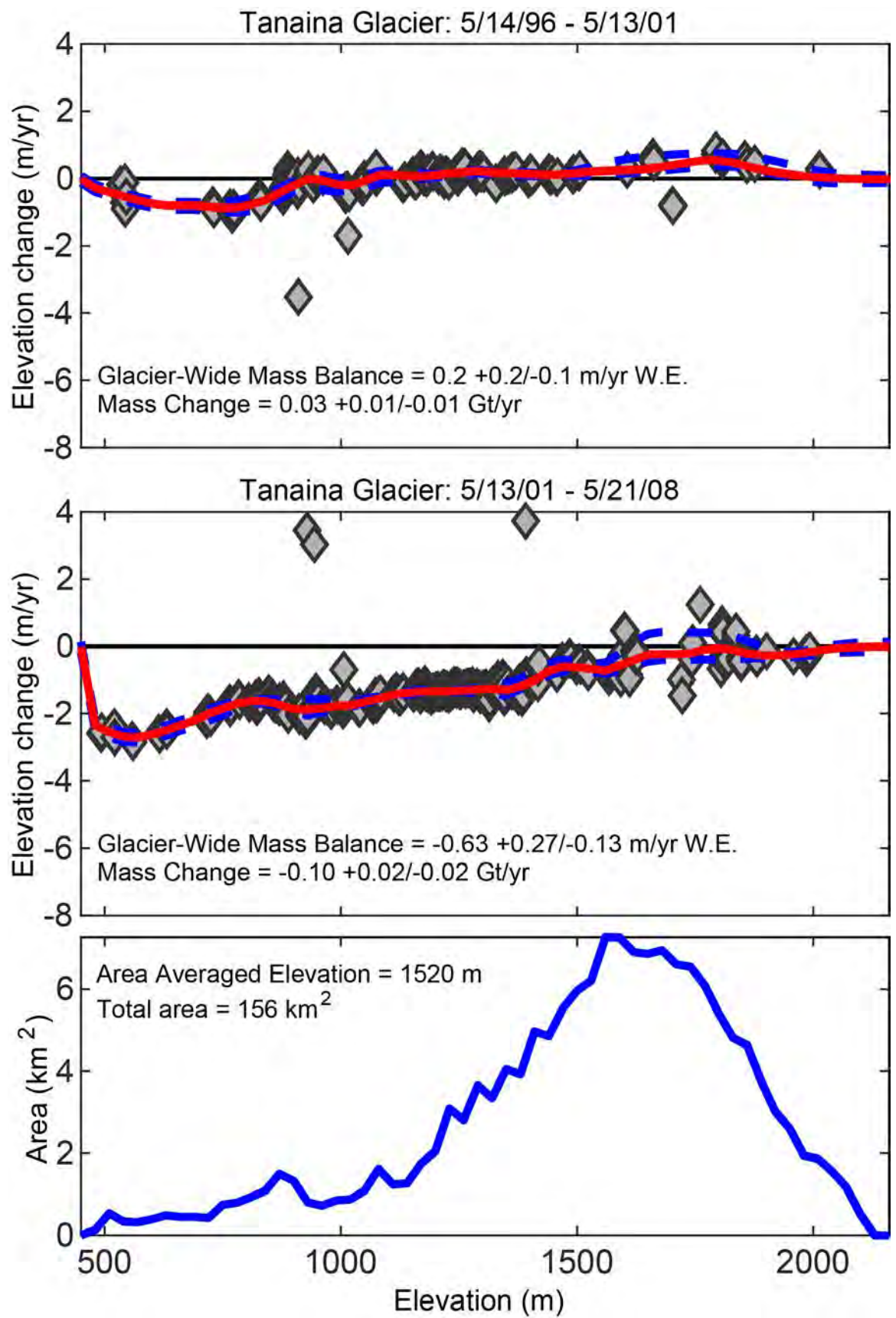


Figure 100. Elevation change and AAD for Tanaina Glacier.

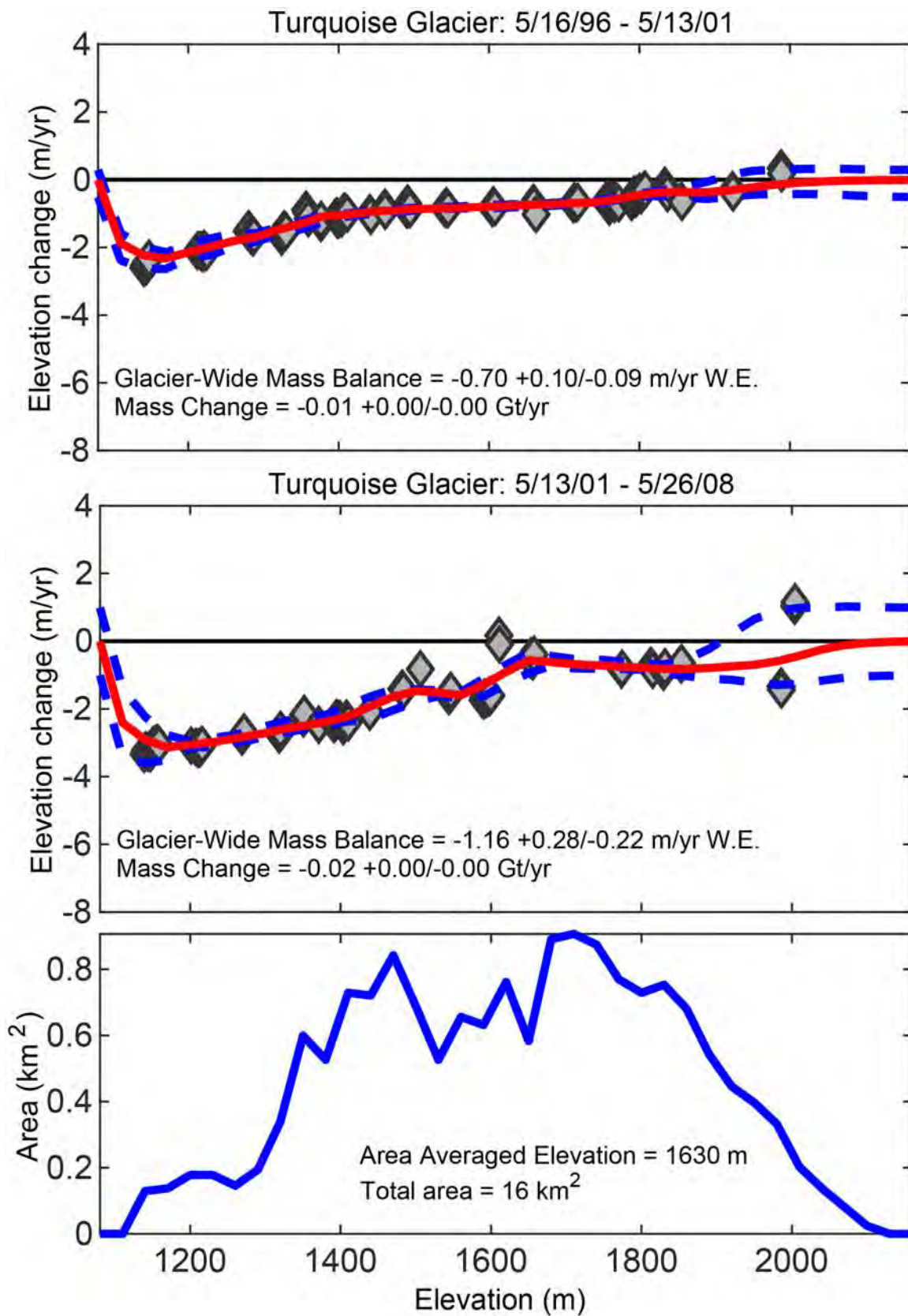


Figure 101. Elevation change and AAD for Turquoise Glacier.

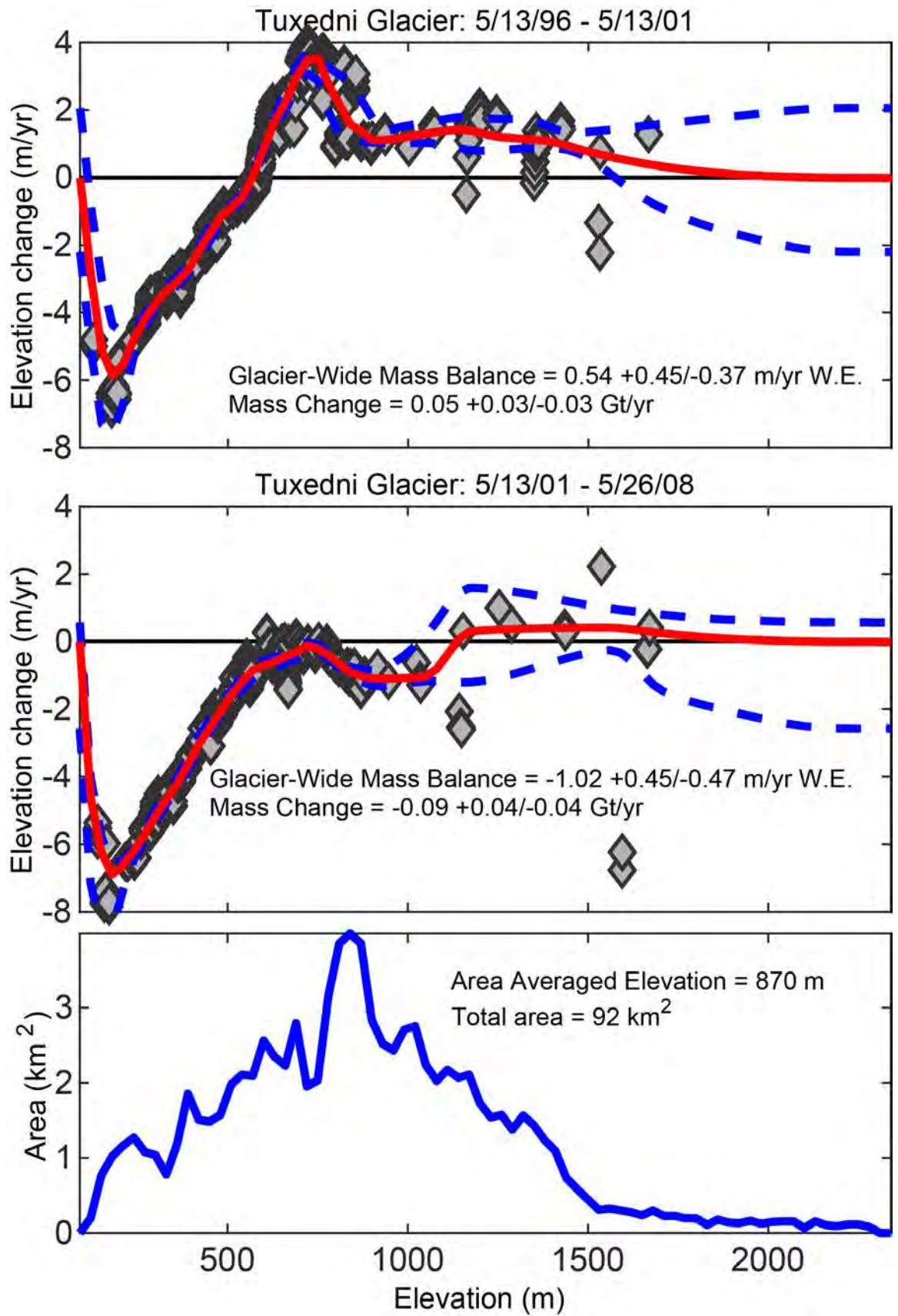


Figure 102. Elevation change and AAD for Tuxedni Glacier.

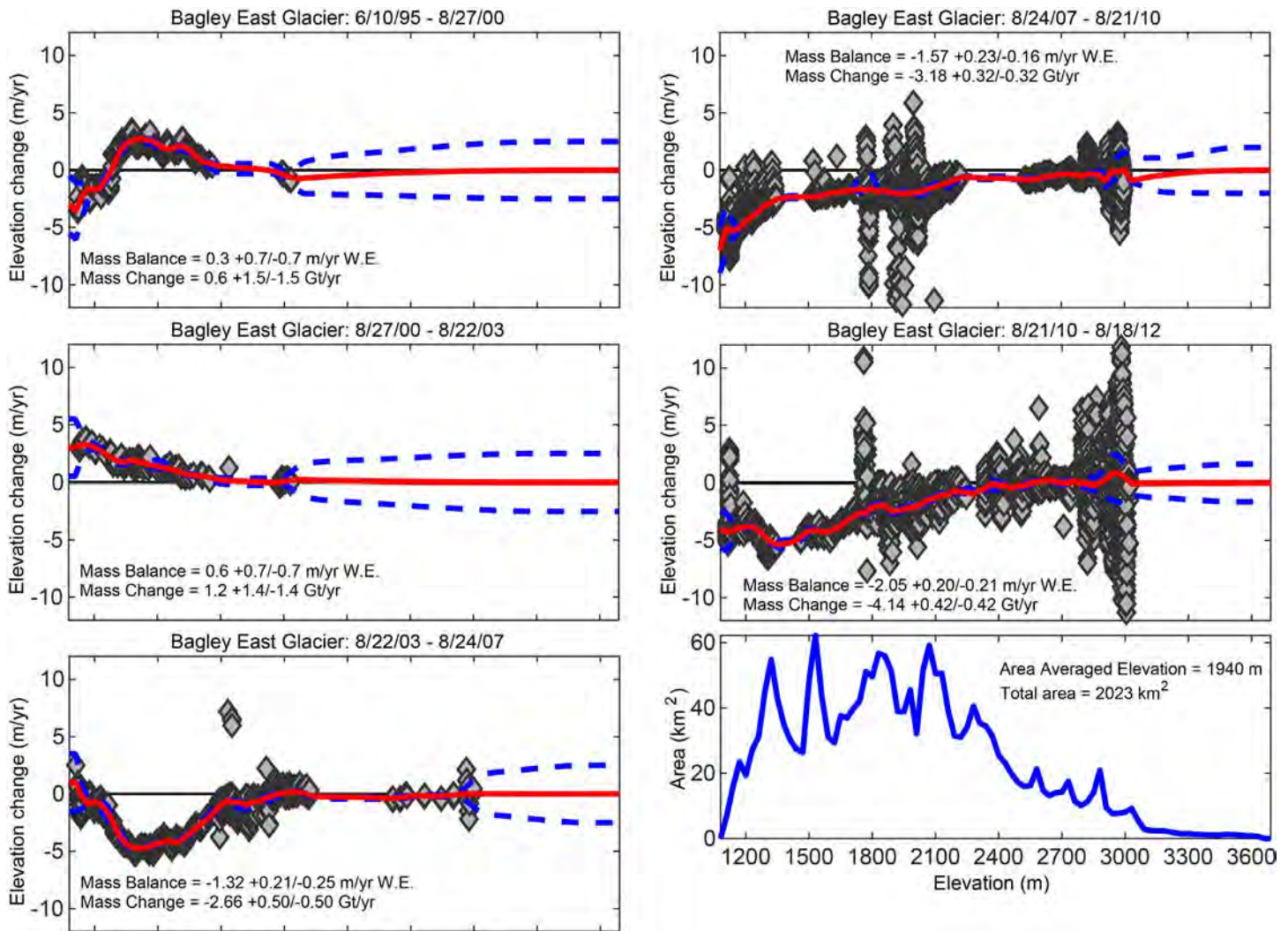


Figure 108. Elevation change and AAD for Bagley East Glacier. Bagley East is one tributary of the Bering Bagley Glacier system and its MB and MC alone do not reflect the full accumulation and ablation zones. See Figure 107 for context.