

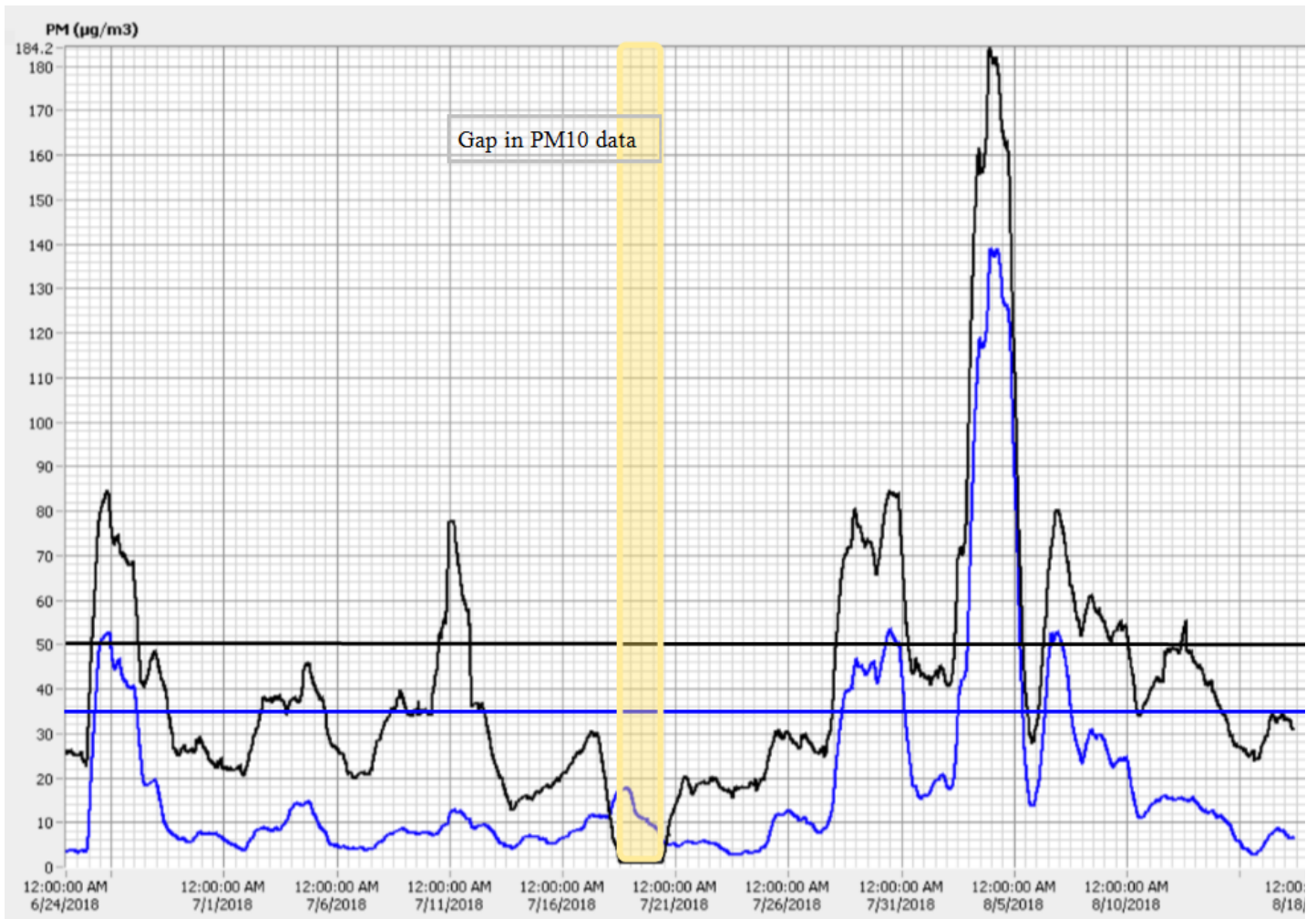


# FROM THE AIR PROGRAM

## Lions Fire Smoke

The Lions Fire, which ignited to the southwest of Mammoth Lakes 6/1, impacted the air quality and visibility of Mammoth Lakes and Bishop heavily over the summer. Impacts were combined with those of the Ferguson Fire, in the southwest of Yosemite NP, and to a small degree, other fires regionally. Data from the Bishop Tribe’s air station were used by Lions Fire personnel in smoke forecasting for the Owens Valley during early August.

Exceedances of both the state and tribal PM10 24-Hr standard of 50 ug/m3 and PM2.5 24-Hr standard of 35 ug/m3 began on 6/25/18, which was discussed in the last newsletter. The graph below shows particulates concentration values compared with the standards, since the 1st smoke-related exceedance through the day of this writing (the last exceedance in this time period was on 8/9, for PM10). At the Bishop Reservation, the PM10 standard was exceeded on 13 *midnight-to-midnight* days in this period; likewise for PM2.5 on 9 days. On 8/11, the PM10 24-Hr average was recorded as being within 1 ug/m3 of the standard.



PM10 (black) & PM2.5 (blue) 24 Hr rolling average concentrations 6/24/18 - 8/17/18

### Rain!

From June through August thus far, the tribal weather station measured 1.07” of rain (all in July).