

The Connection between Air Pollutants and Visibility

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We studied the connection between air pollutants and visibility. We used the data of air pollutants' connections, the weather and the photographs which we take in Mt.Ibuki and Mt.Ontake at 1 p.m. from the point every day. This time we assessed visibility on a scale of one to five to evaluate it. Also we saw if there was an influence of not only air pollutants but also each factor of weather upon the scale. As a result, we found that humidity had the strongest influence of visibility in various factors of weather. At the same time, we regarded the data which don't match the result of analysis as not an error but a signal, and saw if there was a special event.

Keywords: Weather, Air pollution, Visibility