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AAS22-P06 会場:3 階ポスター会場 時間:5 月 1 日 18:15-19:30

屋久島西部森林域における燃料電池と太陽電池を用いた大気採取システムの実証試験結果—PM2.5 の評価
Demonstration test of atmosphere sampling system using combination of solar and fuel battery at Western part of Yakushim

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We have measured PM 2.5 using soler panel and fuel cell system at Southern area of Yakushima island Japan.

In order to clarify the long-range transport of atmospheric pollutants in the East Asian regions, we have challenged the continuous observation at a mountainous area without the commercial power. Although, we are considered to be better the system with a solar battery, the pump was sometimes stopped for the brownout cause by the lack of insolation. Thereupon, we make an attempt the continuous observation of atmospheric pollutants using the combination of the solar and fuel battery. And thus we achieve the continuous observation of the atmospheric pollutants. Consequently, we will report new monitoring system.