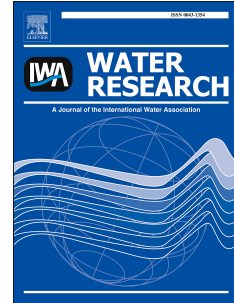


# Accepted Manuscript

Burst detection in district metering areas using a data driven clustering algorithm

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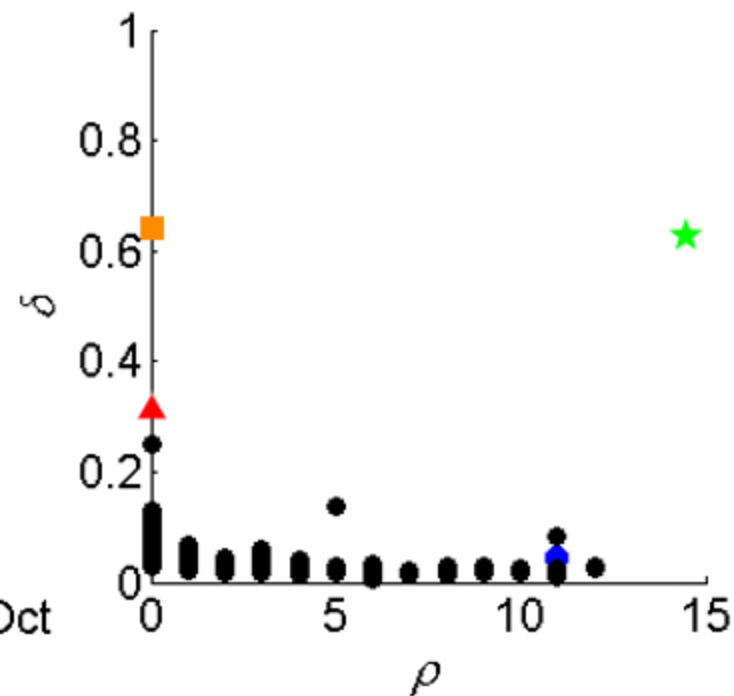
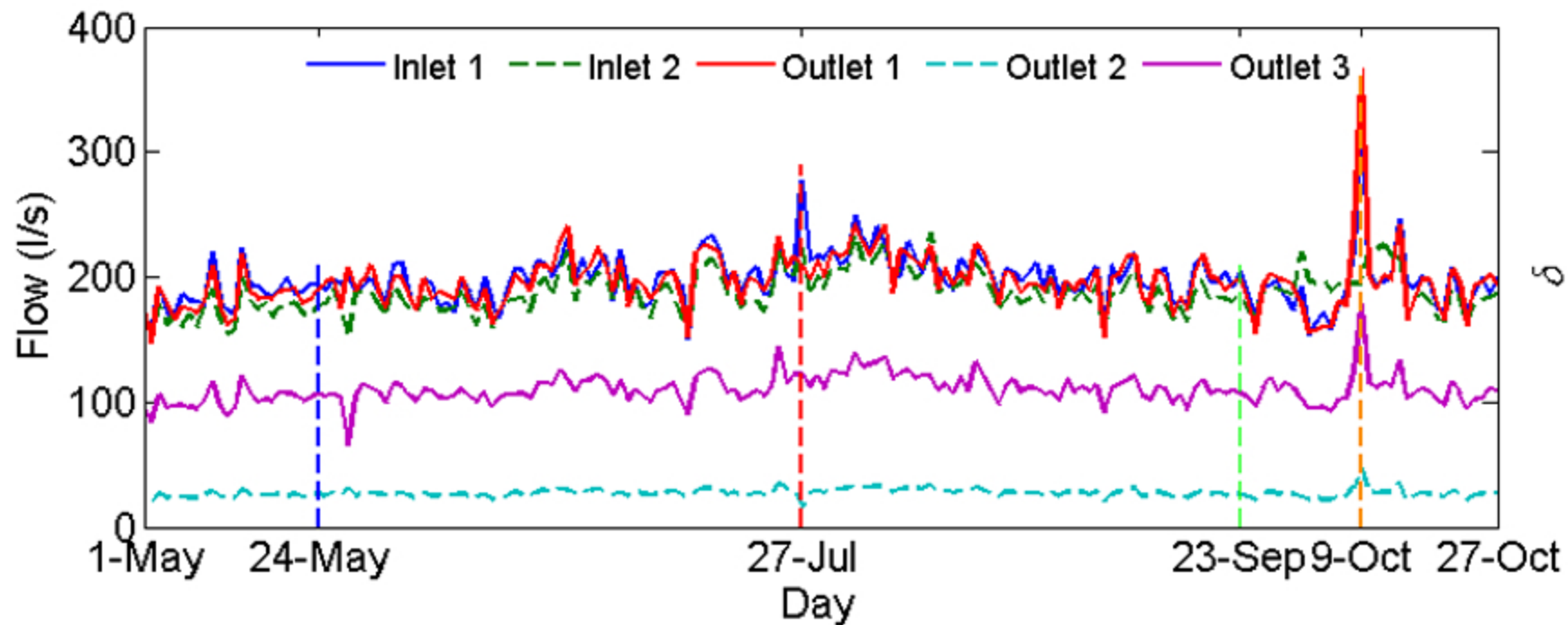
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- ★ cluster center (corresponding to the flow data on 23-Sep)
- one of normal vectors (corresponding to the flow data on 24-May)
- outlier caused by pipe flushing (corresponding to the flow data on 9-Oct)
- ▲ outlier caused by burst (corresponding to the flow data on 27-Jul)

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