

Abstract Submitted
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Environmental Radiation Studies Utilizing RadNet STEVEN JACKSON, Angelo State University — RadNet is an Environmental Protection Agency (EPA) managed environmental radiation and air quality monitoring station that has been recently installed on the Angelo State University campus. RadNet cycles air through a filter which collects particulate matter for an examination of alpha and beta activities of contained material. This project includes defining dominant alpha and beta emitters in the local environment, conducting a correlation study involving the effect of weather and wind direction on filter activity, physical interpretation of air quality index (AQI), and the use of X-ray fluorescence to verify radon decay progeny in the local environment.

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