

## The ORION Team

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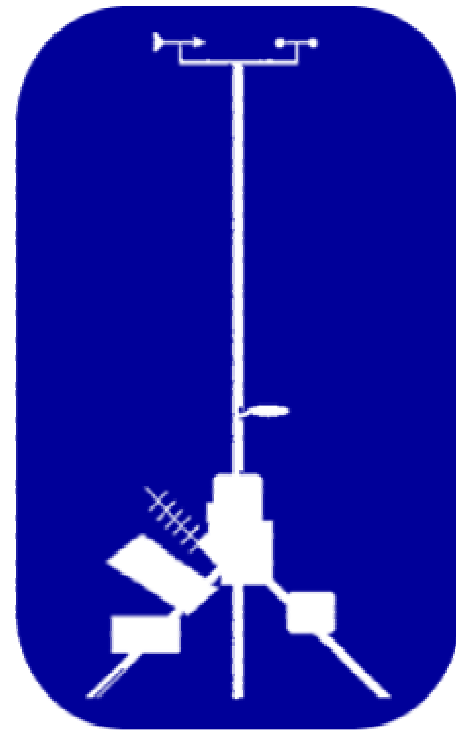
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**For more information:**

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**O R I O N**

Observing Radiation  
In Our North

# ORION at the University of Alaska Fairbanks



**What is ORION?** ORION is a network of stations that gather meteorological and radiological data. The data are transmitted via the GOES West satellite to the Los Alamos National Laboratory in Los Alamos, New Mexico. The data are loaded into a database that is accessible by the public via the internet at <http://newnet.lanl.gov>.

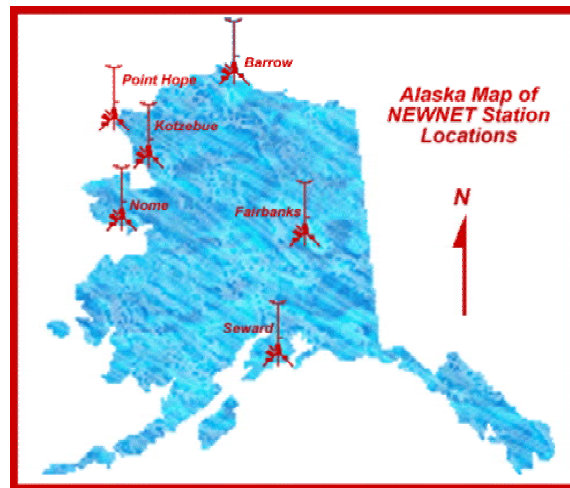
## Why?

Long-term meteorological and radiation observations will provide a baseline against which any major changes in atmospheric conditions and radioactivity can be detected. For example, the former Soviet Union has many old and outdated nuclear facilities still in operation. The Bilibino nuclear plant is the

closest plant to Alaska and poses a real threat of accidental release of atmospheric radiation. ORION stations gather real time data and would detect any increase in background radiation levels should an accident occur.

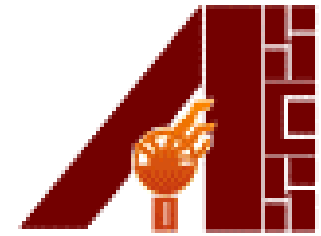
## Where?

ORION stations in Alaska are located in Kotzebue, Nome, Point Hope, Barrow, Seward, and Fairbanks. Stations are also located throughout New Mexico and one in Mississippi.



## Who?

ORION is a collaborative effort with Los Alamos National Laboratory (LANL), Battelle-Pacific Northwest National Laboratory (PNNL), Alaska Department of Environmental Conservation (ADEC), and various organizations and departments of the University of Alaska Fairbanks.



## American Indian Science & Engineering Society

The American Indian Science & Engineering Society (AISES) is a private, non-profit organization which nurtures building of community by bridging science and technology with traditional Native values. Through its educational programs, AISES provides opportunities for Alaska Natives and American Indians to pursue studies in science, engineering, technology and other academic areas. These graduates will be able to assume roles in which Native leaders manage and develop their lands and resources.

For more information:  
Website: [www.aises.uaf.edu](http://www.aises.uaf.edu)

**ORION at UAF is an AISES project.**