

## Atmospheric and Space Scientists

19-2021.00



**Description:** Investigate atmospheric phenomena and interpret meteorological data, gathered by surface and air stations, satellites, and radar to prepare reports and forecasts for public and other uses.

### Other Resources:

[ONET Link](#)

[MyNextMove Link](#)

**Sample of Reported Job Titles:** Broadcast Meteorologist, Forecaster, Forensic Meteorologist

### Job Zone

**Title:** 4 - Considerable Preparation Needed

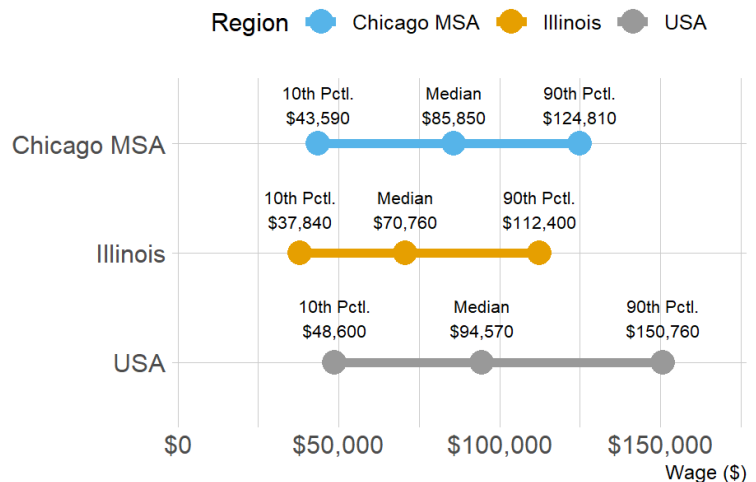
**Education:** Require a four-year bachelor's degree.

**Experience:** A considerable amount of work-related skill, knowledge, or experience is needed.

**Training:** Several years of work-related experience, on-the-job training, and/or vocational training needed.

**Hot Technologies:** Adobe Systems Adobe Photoshop, C++, Facebook, IBM SPSS Statistics, Linux, Microsoft Access, Microsoft Office Suite, Perl, Python, R

Region	Employment	Location Quotient	Median Wage
Chicago MSA	70	0.26	\$85,850
Illinois	—	—	\$70,760
USA	8,520	—	\$94,570



### Top 5 Core Tasks According to Current Job Holders

**Importance**  
**Frequency (out of 100)**

Broadcast weather conditions, forecasts, or severe weather warnings to the public via television, radio, or the Internet or provide this information to the news media.

Several times daily

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Gather data from sources such as surface or upper air stations, satellites, weather bureaus, or radar for use in meteorological reports or forecasts.

Hourly or more

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Prepare weather reports or maps for analysis, distribution, or use in weather broadcasts, using computer graphics.

Several times daily

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Develop or use mathematical or computer models for weather forecasting.

Hourly or more

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Formulate predictions by interpreting environmental data, such as meteorological, atmospheric, oceanic, paleoclimate, climate, or related information.

Daily

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