

Astronomers in San Diego-Chula Vista-Carlsbad, CA

Astronomers (SOC 19-2011):

Observe, research, and interpret astronomical phenomena to increase basic knowledge or apply such information to practical problems.

Sample of Reported Job Titles:

Astrophysicist
Astronomer
Space Sciences Director
Scientist
Research Scientist
Professor
Physics and Astronomy Professor
Observatory Director
Astronomy Professor
Associate Professor

Related O*NET Occupation:

Astronomers (19-2011.00)

Contents

What is Emsi Data?	1
Report Parameters	2
Executive Summary	3
Jobs	4
Compensation	6
Job Posting Activity	7
Demographics	8
Occupational Programs	11

What is Emsi Data?

Emsi data is a hybrid dataset derived from official government sources such as the US Census Bureau, Bureau of Economic Analysis, and Bureau of Labor Statistics. Leveraging the unique strengths of each source, our data modeling team creates an authoritative dataset that captures more than 99% of all workers in the United States. This core offering is then enriched with data from online social profiles, resumés, and job postings to give you a complete view of the workforce.

Emsi data is frequently cited in major publications such as *The Atlantic*, *Forbes*, *Harvard Business Review*, *The New York Times*, *The Wall Street Journal*, and *USA Today*.



Report Parameters

1 Occupation

19-2011 Astronomers

1 MSA

41740 San Diego-Chula Vista-Carlsbad, CA

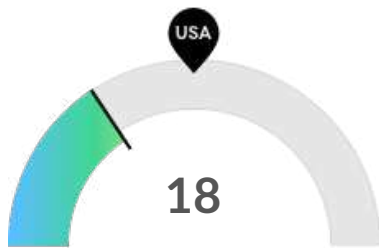
Class of Worker

QCEW Employees, Non-QCEW Employees, and Self-Employed

The information in this report pertains to the chosen occupation and geographical area.

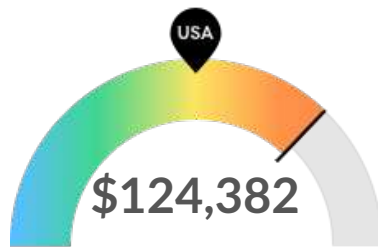
Executive Summary

Light Job Posting Demand Over a Thin Supply of Regional Jobs



Jobs (2018)

San Diego-Chula Vista-Carlsbad, CA is not a hotspot for this kind of job. The national average for an area this size is 33* employees, while there are 18 here.



Compensation

Earnings are high in San Diego-Chula Vista-Carlsbad, CA. The national median salary for Astronomers is \$105,685, compared to \$124,382 here.



Job Posting Demand

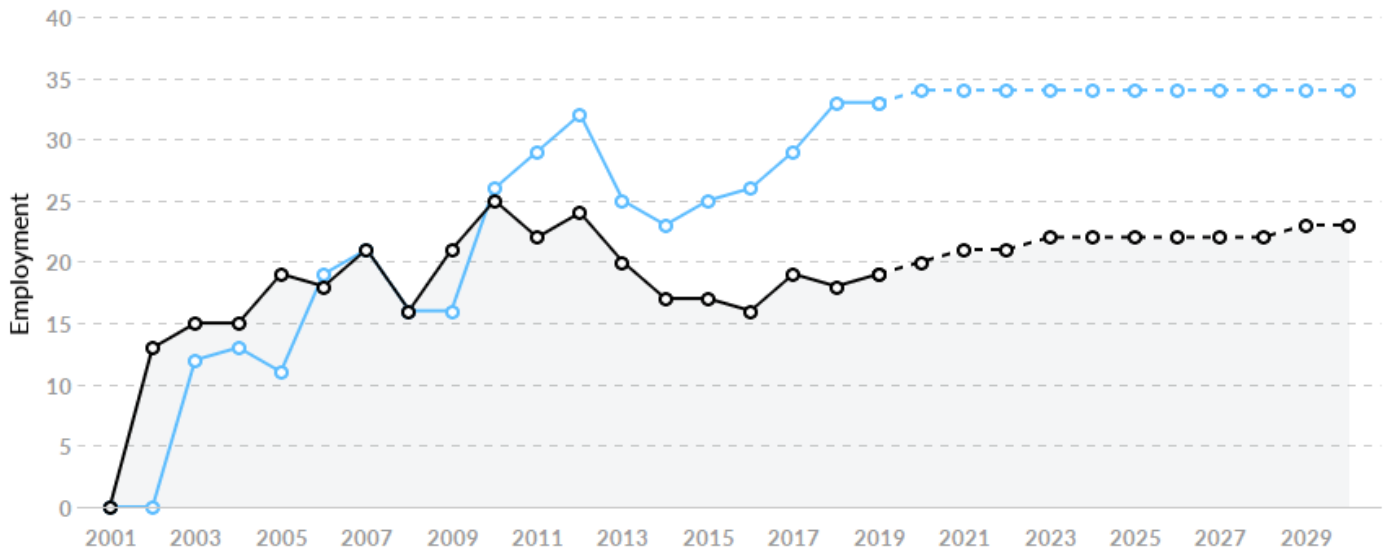
Reliable competition information is not available in San Diego-Chula Vista-Carlsbad, CA because there are too few postings.

*National average values are derived by taking the national value for Astronomers and scaling it down to account for the difference in overall workforce size between the nation and San Diego-Chula Vista-Carlsbad, CA. In other words, the values represent the national average adjusted for region size.

Jobs

Regional Employment Is Lower Than the National Average

An average area of this size typically has 33* jobs, while there are 18 here. This lower than average supply of jobs may make it more difficult for workers in this field to find employment in your area.



Region	2018 Jobs	2028 Jobs	Change	% Change
● San Diego-Chula Vista-Carlsbad, CA	18	22	5	25.7%
● National Average	33	34	2	4.9%

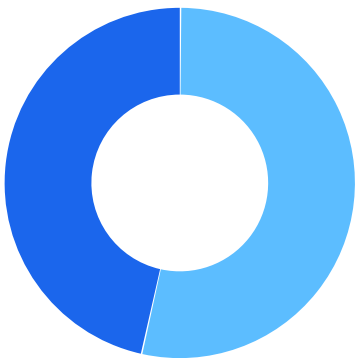
*National average values are derived by taking the national value for Astronomers and scaling it down to account for the difference in overall workforce size between the nation and San Diego-Chula Vista-Carlsbad, CA. In other words, the values represent the national average adjusted for region size.

Regional Breakdown



County	2018 Jobs
San Diego County, CA	18

Most Jobs are Found in the Federal Government, Civilian Industry Sector

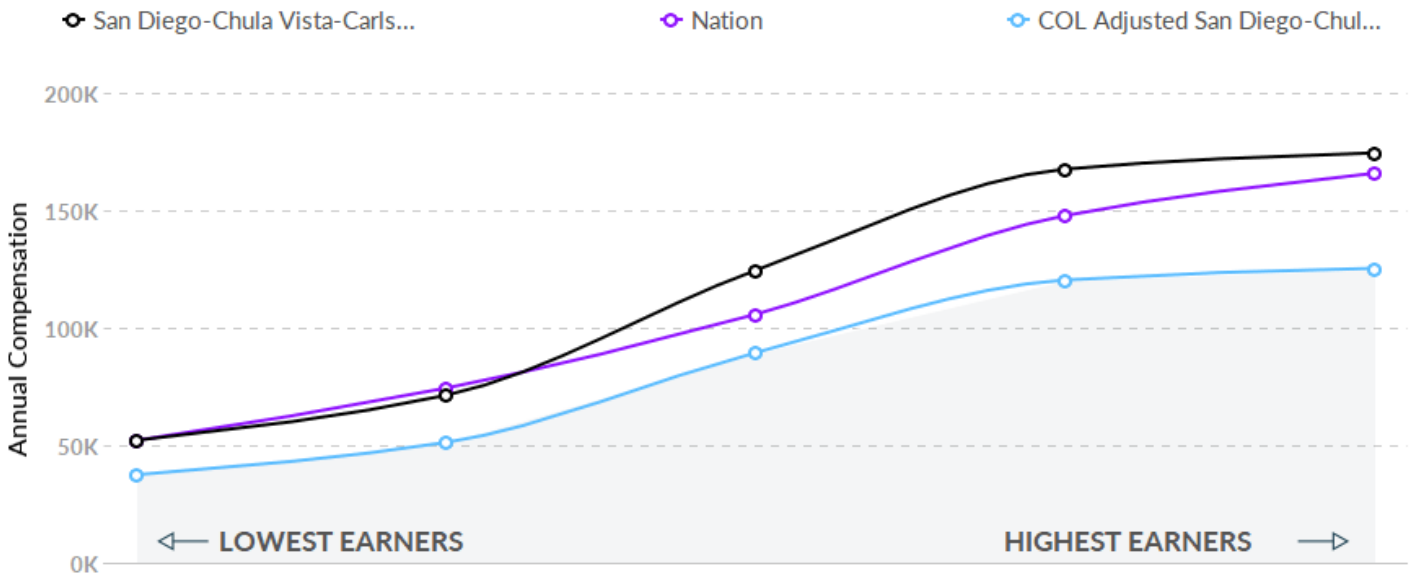


Industry	% of Occupation in Industry (2018)
Federal Government, Civilian	53.4%
Education and Hospitals (State Government)	46.6%
Other	0.0%

Compensation

Regional Compensation Is 18% Higher Than National Compensation

For Astronomers, the 2018 median wage in San Diego-Chula Vista-Carlsbad, CA is \$124,382, while the national median wage is \$105,685.



Job Posting Activity

No Companies Are Competing for Talent

This section cannot be shown because there aren't any relevant job postings in San Diego-Chula Vista-Carlsbad, CA.

Not enough data to show the Top Companies section.

Not enough data to show the Top Job Titles section.

Top Hard Skills

There is not enough data to display this section.

Top Common Skills

There is not enough data to display this section.

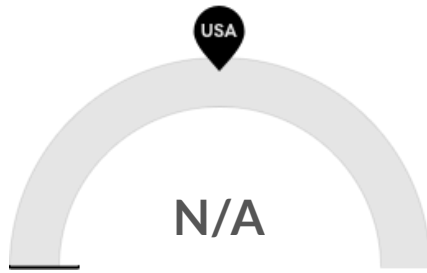
Demographics

Reliable Retirement and Diversity Information Is Not Available



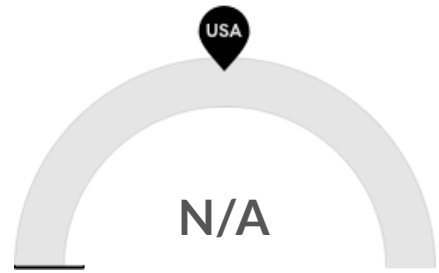
Retiring Soon

Reliable retirement information is not available in San Diego-Chula Vista-Carlsbad, CA, because there are too few employees.



Racial Diversity

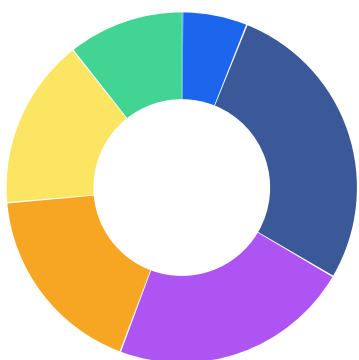
Reliable racial diversity information is not available in San Diego-Chula Vista-Carlsbad, CA, because there are too few employees.



Gender Diversity

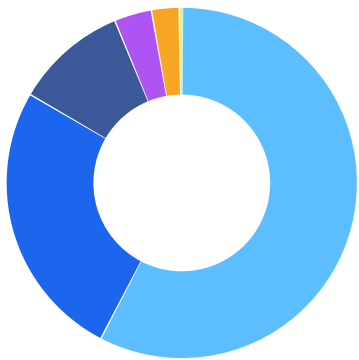
Reliable gender diversity information is not available in San Diego-Chula Vista-Carlsbad, CA, because there are too few employees.

Occupation Age Breakdown



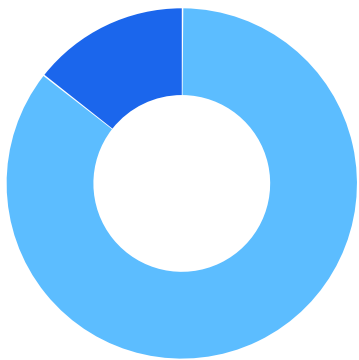
		% of Jobs	Jobs
	14-18	0.0%	0
	19-24	6.0%	1
	25-34	27.4%	5
	35-44	22.2%	4
	45-54	17.9%	3
	55-64	15.7%	3
	65+	10.7%	2

Occupation Race/Ethnicity Breakdown



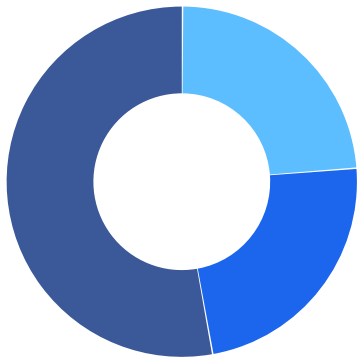
	% of Jobs	Jobs
● White	57.6%	11
● Asian	25.8%	5
● Hispanic or Latino	10.4%	2
● Two or More Races	3.5%	1
● Black or African American	2.5%	0
● American Indian or Alaska Native	0.2%	0
● Native Hawaiian or Other Pacific Islander	0.1%	0

Occupation Gender Breakdown



	% of Jobs	Jobs
● Males	85.5%	16
● Females	14.5%	3

National Educational Attainment



	% of Jobs
● Bachelor's degree	23.7%
● Master's degree	23.4%
● Doctoral or professional degree	52.9%

Occupational Programs



1 Program

Of the programs that can train for this job, 1 has produced completions in the last 5 years.



10 Completions (2018)

The completions from all regional institutions for all degree types.



3 Openings (2018)

The average number of openings for an occupation in the region is 288.

CIP Code	Top Programs	Completions (2018)
40.0201	Astronomy	10

Top Schools	Completions (2018)
San Diego State University	7
Palomar College	3

Appendix A - Data Sources and Calculations

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

Cost of Living Data

Emsi cost of living data is based on the Cost of Living Index published quarterly by the Council for Community and Economic Research (C2ER).

Emsi Job Postings

Job postings are collected from various sources and processed/enriched to provide information such as standardized company name, occupation, skills, and geography.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.