



[Home](#) > [HR Practitioners](#) > [Classification & Position Management](#) > [PD Library](#)

Meteorologist Research 14

GS-1340-14

NOTE: THE SENTENCE IN PART I DESCRIBING THE PURPOSE OF THE POSITION AND PARTS II AND III IN THEIR ENTIRETY ARE PERMANENT PARTS OF THE LIBRARY AND MAY NOT BE CHANGED OR EDITED IN ANY WAY.

I. INTRODUCTION

This position is located in

This position serves as research leader for one or more teams of scientists performing research into critical problems of meteorology and related scientific disciplines such as atmospheric physics, hydrology, etc.

II. MAJOR DUTIES AND RESPONSIBILITIES

Incumbent leads investigations of long range and short term problems, recommends solutions, and writes scientific papers for publication. Examples include investigations such as:

Satellite observations to solve problems in the atmospheric, oceanic, and land sciences and in climate research and monitoring to develop methods for remote sensing of the earth and its atmosphere.

Analysis of atmospheric and oceanic data to determine relationships, sources, sinks and trends to develop real-time climate indices, predictive techniques, and evaluations of predictions.

Development of techniques for surface wind analysis and forecasting over the global oceans; boundary layer processes including fog over the oceans and coastal regions; global assimilation of satellite ocean surface wind data; ocean wave prediction; sea surface temperature analyses; ice analyses and forecasting.

Physical processes which govern the behavior of the atmosphere and the oceans as complex fluid systems.

Environmental processes for improved severe weather detection and storm forecasts, focused on tornadoes and other severe wind storms, hail, lightning, and flash floods.

III. FACTOR LEVELS

Factor 1 - Research Situation/assignment Degree D, 8 pts.

The research situation is of greater-than-average difficulty and of considerable complexity. The problem area must be approached by a series of complete but related studies. Incumbent may either personally conduct the research or lead a team. Sophisticated research techniques are applied to solve problems. Studies will result in a series of publications which result in important changes to existing products, processes, techniques or practices.

Factor 2 - Supervision Received Degree D, 8 pts.

Incumbent is assigned a broad problem area with freedom to identify, define and select specific problems for study, as well as their relative priority in terms of importance to the program and likelihood of successful solution. With little or no supervisory assistance, incumbent formulates hypotheses and develops and carries out plan of attack. Supervisor is kept informed through informal discussions of general plans and progress of work. Supervisor is consulted when proposed changes involve considerable investment of resources or significant changes in direction, but incumbent has full control over equipment and personnel already allocated. Completed work is reviewed for overall results.

Factor 3 - Guidelines and Originality Degree D, 8 pts.

Incumbent applies new techniques and original methods of attack to solution of important meteorological problems that present novel or unprecedented aspects, and for which there is a dearth of scientific literature. A high degree of insight is required to isolate and define critical features of problem. A high degree of ingenuity is needed to adapt, extend and synthesize existing theory, principles and techniques, or, at times, to formulate new theory or methodology.

Factor 4: Qualifications and Scientific Contributions Degree D, 16 pts.

Incumbent a) has authored a one or more important papers, which are beginning to have a major impact on the field or are becoming accepted as definitive of areas of it; b) has contributed new inventions, designs or techniques regarded as important advances in the state of the art; c) is regularly sought out by peers who are recognized scientists in the field; d) is invited to address national professional organizations. Other researchers take note of the incumbent's published results in order to keep abreast of new developments in the field.

Total Points: 8+8+8+16 = 40

This position is exempt from coverage under the Fair Labor Standards Act.

IV. UNIQUE POSITION REQUIREMENTS

(Last Updated: November 4, 1994)

[Website Feedback](#) [About OHRM](#) [Contact Us](#) [DOCHROC](#) [FOIA](#) [Site Map](#)
[Privacy Policy](#) [Commerce Homepage](#) [Careers at Commerce](#)
[Commerce Employees](#) [HR Practitioners](#)