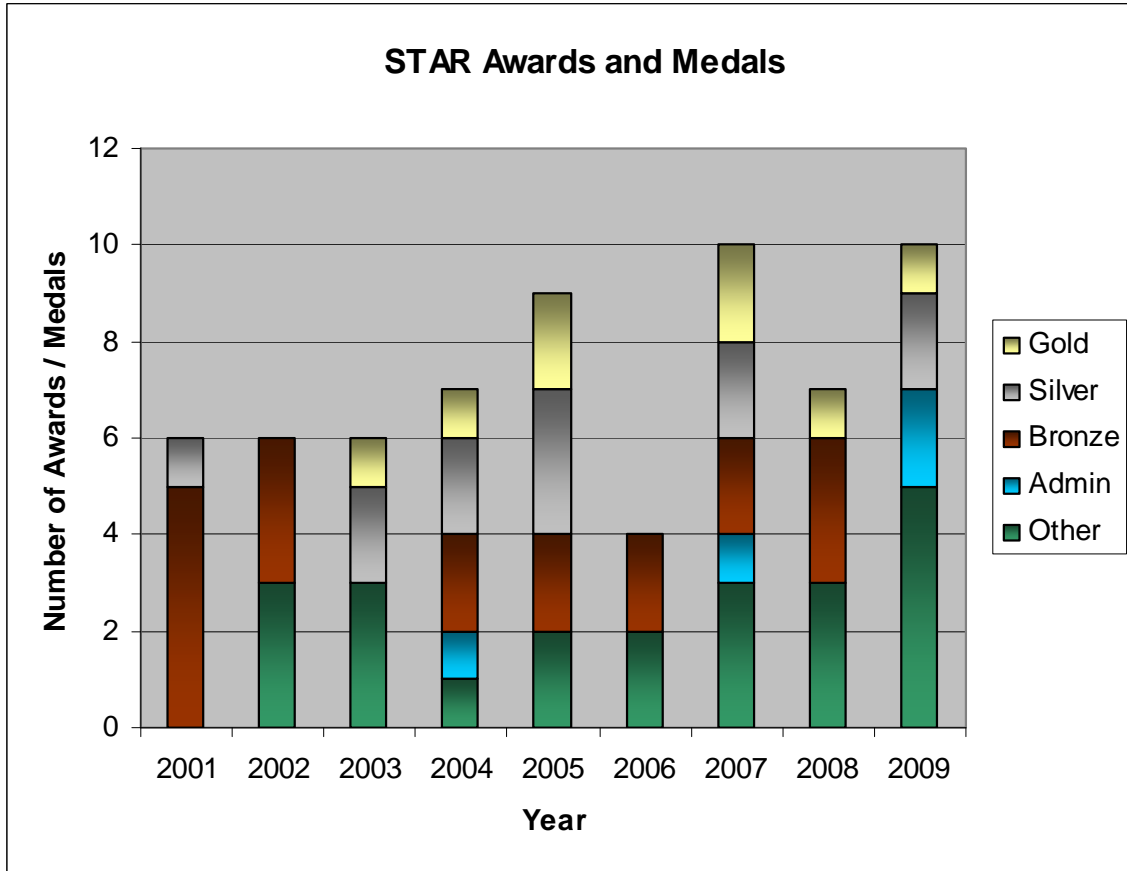


## STAR AWARDS AND MEDALS



## 2001

### Silver

Felix Kogan – Development and implementation of vegetation health products from NOAA polar orbiting satellite AVHRR data.

### Bronze

Lawrence Flynn – For essential scientific contributions to the procurement, operation, and utilization of NOAA's polar-orbiting satellite ozone-sensing instruments

Arnold Gruber – For leadership of the international Global Precipitation Climatology Project that uses satellite data for global precipitation estimates

Michael Chalfant, Anthony Reale, Michael Fitzmaurice, Jr., Dong Han, and Steve Schaffer – for rescuing and extending the useful life of NOAA's polar orbiting satellites through unparalleled scientific and engineering achievement

Tsan Mo, Mitchell Goldberg, David Crosby, and Joseph Green (OFA) – For developing and applying an improved calibration of the Microwave Sounding Unit to monitor temperature trends in the Earth's atmosphere

Wolfgang Menzel – For creative leadership in establishing NOAA's new National Coastal Data Development Center

## 2002

### Bronze

Michael Van Woert - For scientific achievement in building the science program at the National Ice Center and improving algorithms for their operational sea ice analysis

William Pichel – For Leadership in developing ocean requirements for the Integrated Operational Requirements Document and the Ocean Observer User Requirements Document.

Mark DeMaria , Debra Molenaar, Janice Sessing, Kirk Liang, and Michael W. Knowles - For successful implementation of a critical satellite receiving station in Central America as part of the Hurricane Mitch Reconstruction Project.

### Other

Larry Flynn - IPO Spirit of NPOESS Award

Larry Flynn - POES Certificate of Appreciation for special contributions to NOAA-M

Mark DeMaria – American Meteorological Society Banner I. Miller Award for the first ever model-based skillful operational intensity forecasts of tropical cyclones

## 2003

### Gold

Mitchell Goldberg and Eugene Legg – For advancing by four years the use of data for a new generation of satellite instruments to improve weather predictions and environmental monitoring

### Bronze

Shobha Kondragunta – For developing a method that for the first time provides accurate satellite retrievals for worldwide atmospheric ozone amounts including polar regions.

Changyong Cao, Lawrence Flynn, Thomas J. Kleespies, Tsan Mo, Jerry T. Sullivan, and Michael P. Weinreb – For enabling early access to improved data for climate and weather applications by augmenting the post-launch checkout of the NOAA-17 sensors

### Other

Bob Kuligowski - Editor's Award from the American Meteorological Society *Journal of Hydrometeorology*.

Alexander Ignatov – NASA Group Achievement Award to the Clouds and the Earth's Radiant Energy Systems (CERES) Science Algorithms and Data Products Team for recognition of exceptional achievements in CERES instrument accuracy and in developing CERES science algorithms and satellite data products for climate studies.

Tina East – Certificate of Appreciation in honor and recognition of the excellent contributions to the WWB Renovation Project.

## 2004

### Gold

Ingrid Guch – For organization of the landmark July 2003 Earth Observation Summit and leadership in development of a global Earth Observation System

### Silver

Laurence Miller – For resolving major scientific controversies on the rate and causes of 20<sup>th</sup> century global sea level rise

William Pichel and James Churnside (OAR Boulder Lab) – For development of a technique to detect ghostnets in the open ocean using satellites and aircraft

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**Bronze**

Ralph Ferraro, Fuzhong Weng, Ingrid Guch, Joseph Askew – For creating high-quality products from the Advanced Microwave Unit that improve weather forecasting and climate monitoring.

Michael Van Woert, Phil Hovey, Michael Chase (Navy), Jonathan Hass (Navy) – For the development of sea ice analysis algorithms at the National Ice Center which resulted in improved operational sea ice analysis and forecasting.

**Other**

Tina M. East – Administrator's Award for planning, coordinating, arranging, tracking and financial oversight of the renovation of the seventh and eighth floors of the World Weather Building

Christopher W. Brown and Thomas F. Gross (NOS) – Administrator's Award for developing and implementing the first ecological nowcast system to product the distribution of sea nettles, *Chrysaora quinquecirrha*, in the Chesapeake Bay

**2005****Gold**

John Cassidy (NOS), Mary Culver (NOS), Mark Vincent (NOS), Richard Stumpf (NOS), Michelle Tomlinson (NOS), Kent Hughes – For developing and implementing the harmful Algal Bloom (HAB) Forecasting System to forecast harmful algal blooms in the Gulf of Mexico.

Mitchell Goldberg, Fuzhong Weng, Larry McMillin, John Derber (NWS), Russell Treadon (NWS) – For developing and testing scientific techniques to assimilate the observations of advanced satellite instruments into NOAA operational numerical weather prediction models.

**Silver**

Changyong Cao, Jerry Sullivan, Andrew Heidinger – For developing and implementing a novel method, the Simultaneous nadir Overpass (SNO) technique, for inter-calibrating satellite instruments which they are in orbit.

Mark DeMaria, Michelle Mainelli (NWS) – For collaborating to improve the most accurate operational intensity forecast tool, the Statistical Hurricane Intensity Prediction Scheme (SHIPS), and for implementing the new model into operations

Jeffrey Key, Jaime Daniels – For significantly advancing the usefulness of satellite data in weather forecasting, developing a polar wind product, and fostering its use in numerical weather prediction.

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**Bronze**

David Easterling (NCDC), Richard Heim (NCDC), and Felix Kogan – For developing an integrated state, local, and federal strategy for a National Integrated Drought Information System (NIDIS) endorsed by the Western Governors' Association.

John Jensen (NCDC), Joanne Magoulas (NESDIS/AA/CRO/CAO), and Alfred M. Powell – For advancement of a NOAA-wide performance measurement system to improve organizational delivery of service by creating and promulgating performance management principles, standards, guidance, and training

**Other**

Larry Flynn - EPA Stratospheric Ozone Protection Award, presented to the Ozone Science Tiger Team

Tsan Mo – NASA/GSFC POES Special Contribution to NOAA-N Mission Success

**2006****Bronze**

Roger Heymann (OSD), Timothy Schmit – For reducing costs and increasing satellite earth science global data distribution and archiving through world-leading R&D in data compression

Fuzhong Weng, Changyong Cao, Tsan Mo, Xiangqian Wu, Jerry Sulliver, Thomas Kleespies, Michael Chalfant, Anthony Reale, Alexander Ignatov, Lawrence Flynn – For developing an integrated system for accurately calibrating NOAA-18 instruments that lead to a high quality of operational satellite products.

**Other**

W. Paul Menzel – Distinguished Career Award for innovating contributions and international leadership in the field of satellite remote sensing, resulting in improved measurements, applications, and understanding of global weather and climate.

Larry Flynn - William T. Pecora Award, presented to the Total Ozone Mapping Spectrometer (TOMS) Team

**2007****Gold**

Paul S. Chang, Eugene Legg (OSDPD), Hugh Cobb (NWS), Roger Edson (NWS), James Franklin (NWS), Richard Knabb (NWS), Joseph Sienkiewicz (NWS), Kevin Schrab

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(NWS) – For leading NOAA’s operational use of NASA’s QuikSCAT satellite to produce more accurate forecasts and warnings of marine and coastal weather.

Christopher W. Brown, Kent Hughes, Linda Stathoplos (OSDPD), Eugene Legg (OSDPD), Mary Culver (NOS), Richard Stumpf (NOS) – For creating NOAA’s first operational satellite ocean biology product system to improve NOAA’s ocean and coastal forecasts and warnings.

### **Silver**

Cheng-Zhi Zou – For development a calibration technique breakthrough enabling detection of reliable long-term atmospheric temperature trends from satellite data.

W. Paul Menzel, Donald Gray (OSD), John Sapper (OSDPD), Kent Hughes, Eileen Maturi, Richard Reynolds (NCDC), Xiangqian Wu, Jeffrey Polovina (NMFS), Gary Hufford (NWS) – For using geostationary satellite data to create hourly sea surface temperatures that have expanded understanding of ecosystems, weather, and climate.

### **Bronze**

Alexander Ignatov – For developing an integrated system for accurately calibrating NOAA-18 instruments that lead to a high quality of operational satellite products.

John A. Knaff, Mark DeMaria, Antonio Irving (OSDPD), Nancy Merckle (OSDPD) - For the development and operational implementation of the Tropical Cyclone Formation product that quantitatively predicts storm formation probability.

### **Other**

Paul S. Chang – Administrator’s Award for leading the development of the first global ocean wind vector retrievals from the first passive polarimetric satellite microwave sensor, enabling operational observations.

Michael Pavolonis – 2007 NASA Paul F. Holloway Non-Aerospace Technology Transfer Award (aviation group award, for the contribution to MODIS volcanic ash algorithm development

Eric Leuliette – Nobel Peace Prize for Intergovernmental Panel on Climate Change

Don Hillger – NASA Group Achievement Award presented to the GOES-N Series Team, for providing the next generation of advanced weather satellites, a service essential to the nation.

## 2008

### Gold

Felix Kogan - For developing space-based, worldwide drought early warning and vegetative health monitoring systems and transferring the technology to users in more than ten nations. This is the first operational use of NOAA's satellite instruments for monitoring vegetative health and correctly portraying drought onset and extent and an innovative use of a current NOAA Advanced Very High Resolution Radiometer (AVHRR) sensor. The system has been used to successfully monitor drought and affect agriculture and livestock policy in the U.S., Kazakhstan, and Georgia (Caucasus).

### Bronze

Jeffrey Key, Andrew Heidinger, Ralph Ferraro, Thomas Smith, Mark Eakin, Kevin Gallo – For innovative uses of operational weather satellites to understand climate change and to quantify trends in the global climate system.

Sid-Ahmed Boukabara, Christopher Barnet, Mitchell Goldberg, Fuzhong Weng, Ralph Ferraro, Walter Wolf, Limin Zhao, Tom Schott, Awdhesh Sharma, Huan Meng – For implementing processing systems that create Metop products and make them available for assimilation into U.S. forecast systems in record time.

Alfred M. Powell, Jr., Michael Crison, Robert Kuligowski, Dan Tarpley, John Pereira, Ingrid Guch, David K. Hermreck, Larry Flynn, Fuzhong Weng, Laury Miller, Vanessa Griffin, Steve Goodman, Jim Yoe, Timothy Schmit – For developing NOAA's Strategic Satellite Plan to balance requirements, observations capabilities resources.

### Other

Larry Flynn - NPOESS/IPO Certificate of Appreciation, recognition of outstanding efforts for evaluation of OMPS from 6/2008 to 10/2008

Timothy Schmit – NASA group award for “providing the next generation (GOES-13) of advanced weather satellites”.

Larry McMillin and James Yoe – 2008 Oceanic and Atmospheric Research Outstanding Scientific Paper Award for the paper, “Radiosonde Humidity Corrections and Potential Atmospheric infrared Sounder Moisture Accuracy”

## 2009

### Gold

Changyong Cao – For leadership in developing and implementing an international framework for generating high-quality satellite data for climate monitoring

**Silver**

Mark Eakin, Robert S. Webb (OAR), Mary Cecile Penland de Garcia (OAR), Lauri Maclaughlin (NOS), and Rik Wanninkhof (OAR) – For providing timely ocean information and capacity for improved global monitoring and management of coral reef ecosystems relative to climate change.

Angelo G. Wade, J. Philip Green, Walid J. Bannoura, Linda Stathoplos, John L. Lillibridge III, Kim McCarty, Larry Ledlow, and Brian Hill – For designing and implementing a U.S. ground system for Europe's Jason-2 satellite to support worldwide weather forecasting and climate monitoring.

**Other**

Yong Han, Fuzhong Weng, John Derber – Administrator's Award for improving the accuracy of weather forecasts by developing new and powerful radiative transfer models and techniques to assimilate advanced satellite data.

Pablo Clemente-Colon, Jeffrey Key – Administrator's Award for scientific leadership and excellence in support of domestic and international polar observing activities during the International Polar Year.

Larry Flynn - NASA/NOAA Certificate of Achievement, recognition of contributions to NOAA-N

Shobha Kundragunta and Brad Pierce – NASA Group Achievement Award for Arctic Research of the Composition of the Troposphere from Aircraft and Satellites, for outstanding accomplishments in the successful ARCTAS mission in Alaska and Canada

Tsan Mo – NASA/GSFC POES Certification of Achievement in recognition of contribution to the pre-launch processing, launch, checkout, and on-orbit verification of the NOAA-N Prime spacecraft, which was successfully launched on February 6, 2009

Mark DeMaria – Office of the Federal Coordinator for Meteorology Richard H. Hagemeyer Award for sustained contributions to the U.S. Hurricane Program.

Dan Lindsey – Naval Research Laboratory Alan Berman Research Publication Award, co-author on *Journal of Geophysical Research* paper