

Cooperative Institute for Climate Science

AOS Graduate Students Receiving Ph.D.'s

Total Graduate Students	80	
Faculty Positions	28	35%
Academic Positions(postdocs, researchers, etc.)	16	20%
Non-academic Research Positions	13	16%
Government Positions	13 (3 at GFDL)	16%
Unknown or other fields	10	13%

Former Postdoctoral Associates, Research Staff/Scholars and Visiting Fellows/Scientists

Total Scientists	194	
Faculty Positions	91	47%
Academic Positions(postdocs, researchers, etc.)	22	11%
Non-academic Research Positions	22	11%
Government Positions	25 (12 at GFDL)	13%
Retired, deceased, unknown or other fields	34	18%

Current Postdoctoral Fellows, Research Staff/Scholars and Visiting Fellows/Scientists

Currently at Princeton/CICS	16
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Atmospheric and Oceanic Sciences Program
Doctorates Awarded
June 1972 – September 2005

PRINCETON UNIVERSITY

Atmospheric and Oceanic Sciences Program

Doctorates Awarded

<u>Name, Ph.D Date, Advisor</u>	<u>Thesis Title</u>	<u>Present Affiliation</u>
1. Susan J. Friedlander (6/72) (Orlanski)	Spin-Down in a Rotating Stratified Fluid	U. Illinois - Chicago
2. Albert J. Semtner, Jr. (10/73) (Bryan)	A Numerical Investigation of Arctic Ocean Circulation	Prof – Emeritus Naval Postgrad School, CA
3. Nobuyoshi Baba (10/74) (Mellor)	Numerical Investigation of Lake Ontario: Dynamics and Thermodynamics	JGI, Inc., Japan
4. Liang-Bee Lee (10/74) (Holland)	A Numerical Study of Mesoscale Eddies in a Two-Layer Wind-Driven Ocean	
5. Charles E. Schemm (10/74) (Lipps)	A Three-Dimensional Numerical Study of Turbulence in Homogeneous and Convectively Unstable Fluids	Johns Hopkins U. Maryland
6. Dennis L. Hartmann (10/75) (Oort)	The Structure and Dynamics of the Southern Hemisphere Stratosphere During Late Winter 1973	Prof - U. Washington
7. Der-Hua Edward Tang (4/76) (Gordon)	Meridional Structure and Energy Transport	Synpac, N.C.
8. Isaac M. Held (10/76) (Manabe)	The Tropospheric Lapse Rate and Climate Sensitivity	GFDL
9. Richard Rotunno (10/76) (Orlansk)	Internal Gravity Waves in the Nocturnal Planetary Boundary Layer	NCAR
10. Max J. Suarez (10/76) (Manabe)	An Evaluation of the Astronomical Theory of the Ice Ages	NASA/GSFC
11. Tommy D. Dickey (10/77) (Mellor)	An Experimental Study of Decaying and and Diffusing Turbulence in Neutral and Stratified Fluids	Prof. - UCSB
12. Paul S. Schopf (1/78) (Bryan)	Numerical Models of the Oceanic Heat Transport the Southern Hemisphere	NASA/GSFC Maryland

Name, Ph.D Date, Advisor	Thesis Title	Present Affiliation
13. Carlos R. Mechoso (1/79) (Orlanski)	The Atmospheric Circulation Around Linear Stability and Finite Amplitude-Interactions with the Mid-Latitudes of	Prof. - UCLA
14. Michael Stefanick (10/80) (Oort)	The Impact of Atmospheric Noise on the Detection of Interannual Climate Variability	Science Systems & Applications, Inc.
15. Kevin P. Hamilton (6/81) (Fels)	Numerical Studies of Wave-Mean Flow Interaction in the Stratosphere, Mesosphere and Lower Thermosphere	Prof. - U. Hawaii
16. James A. Carton (1/83) (Philander)	Adjustment in the Oceans: The Long-Period Tides and Coastal Upwelling	Prof. - U. Maryland
17. Prashant D. Sardeshmukh (1/83) (Held)	Mechanisms of Monsoonal Cyclogenesis	NOAA-CIRES
18. Douglas R. MacAyeal (6/83) (Philander)	Rectified Tidal Currents and Tidal-Mixing Fronts: Controls on the Ross Ice-Shelf Flow and Mass Balance	Prof. - U. Chicago
19. Kenneth P. Bowman (1/84) (Manabe)	Effects of Ice Sheets on the Sensitivity of Climate	Prof. - Texas A&M
20. David Crisp (1/84) (Fels)	Radiative Forcing of the Venus Mesosphere	JPL/NASA
21. James L. Kinter III (1/84) (Miyakoda)	Barotropic Studies of Stationary Extra-Tropical Anomalies in the Troposphere	Director, COLA/IGES Maryland
22. G.W. Kent Moore (1/84) (Orlanski)	On the Structure of the Narrow Cold-Frontal Rainband	Prof. - U. Toronto
23. Sumant Nigam (1/84) (Held)	On the Structure of Forcing of Tropospheric Stationary Waves	Prof.-U. Maryland
24. Wen-Dar Chen (6/84) (Orlanski)	Mesoscale Lee Cyclogenesis	J.P. Morgan Chase & Co.
25. David G. Dritschel (10/85) (Pierrehumbert)	The Stability of Certain Two- and Three-Dimensional Vortical Motions: A Possible Explanation of the Multiple Vortex Phenomenon In Tornadoes	Prof. - St.Andrews U. Scotland

Name, Ph.D Date, Advisor	Thesis Title	Present Affiliation
26. Frank O. Bryan (1/86) (Sarmiento)	Maintenance and Variability of the Thermohaline Circulation	NCAR
27. Mitsuhiro Kawase (1/86) (Sarmiento)	Circulation and Nutrients in the Atlantic Ocean	Prof - U. of Washington
28. Antonio Navarra (1/86) (Miyakoda)	Anomaly General Circulation Models	Director/INGV, Bologna Italy
29. Denise M. Graves (10/86) (Mahlman)	Evaluation of Satellite Sampling of the Middle Atmosphere Using the GFDL SKYHI General Circulation Model	State U. of NY at Buffalo
30. Robert Gardiner-Garden (1/86) (Philander)	Some Aspects of Modeling the Vertical Structure of Currents in Wind-Forced Coastal Upwelling Systems	Australian Defence Sci. & Tech. Org.
31. Julio T. Bacmeister (6/87) (Pierrehumbert)	Non-linearity in Transient, Two-Dimensional Flow Over Topography	NASA, Maryland
32. Michael Steele (6/87) (Mellor)	Numerical Models of Sea Ice-Ocean Interaction in the Marginal ice Zone	Polar Science Center/APL
33. Bertrand C. Carissimo (10/87) (Pierrehumbert)	The Pressure Drag and Momentum Flux During a Cold Frontal Passage Over the Alps	Electricite de France
34. James David Neelin (10/87) (Held)	Simple Models of Steady and Low Frequency Circulations in the Tropical Atmosphere with Applications to Tropical Air-Sea Interactions	Prof. - UCLA
35. Borivoj Rajkovic (10/87) (Mellor)	Air-Sea Interaction in the Vicinity of a Land-Sea Boundary in the Presence of Upwelling	Belgrade U.
36. Jean-Paul M. Huot (6/88) (Held)	Variational Closures for Two-Dimensional Turbulent Flows	ESTEC(European Space Agency)The Netherlands
37. Ping Chang (10/88) (Philander)	Oceanic Adjustment in the Presence of Mean Currents	Prof. - Texas A & M
38. Noboru Nakamura (1/89) (Orlanski)	Dynamics of Baroclinic Instability in Rapid Cyclogenesis	Prof. - U. Chicago
39. Shian-Jiann Lin (10/89) (Pierrehumbert)	The Instability Mechanism of Synoptic Eddies	GFDL
40. Mingfang Ting (1/90) (Held)	The Stationary Wave Response to Tropical and Mid-Latitude SST Anomalies	Lamont Doherty Earth Observ.

Name, Ph.D Date, Advisor	Thesis Title	Present Affiliation
41. Raymond G. Najjar (1/90) (Sarmiento)	Simulations of the Phosphorus and Oxygen Cycles in the World Ocean Using a General Circulation Model	Prof.-Penn State
42. Chung-Chun Ma (10/90) (Hamilton)	Models of Planetary Wave Propagation in the Middle Atmosphere	Xerox Corp.
43. Jeffrey L. Anderson (10/90) (Held)	Low Frequency Variability and the Instability of Zonally Varying Atmospheric Flows	NCAR
44. Yi Chao (10/90) (Philander)	Seasonal and Inteerannual Variability in the Tropical Pacific Ocean	Cal. Tech./JPL
45. R. Saravanan (10/90) (Held)	Mechanisms of Equatorial Superrotation: Studies With Two-Level Models	Prof. – Texas A&M
46. Ricardo Matano (1/91) (Philander)	A Numerical Study of the Circulation in the South Atlantic Ocean	Prof. - Oregon State
47. Xin Tao (1/91) (Held)	Atmospheric Responses to Lower Tropospheric Forcing in a Multi-Layer Isentropic Model	
48. Alexis Kai-hon Lau (6/91) (Lau)	An Observational Study of Tropical Summertime Synoptic Scale Disturbances	Prof./Dir. Hong Kong U. of Sci. & Tech
49. Hui Jie Xue (6/91) (Mellor)	Numerical Studies of Gulf Stream Meanders in the South Atlantic Bight	Prof - U. of Maine
50. Sukyoung Lee (10/91) (Held)	Baroclinic Wave Packets in Models and Observations	Prof.-Penn State
51. Elisa Manzini (6/92) (Hamilton)	Numerical Study of the Middle Atmosphere Response to Tropical and Subtropical Tropospheric Sources	Max Planck Institute for Meteorology, Germany
52. Brent Lofgren (6/93) (Manabe)	Sensitivity and Feedbacks Associated with Vegetation-Related Land Surface Parameters in a General Circulation Model	NOAA/GLERL Michigan
53. Kar-Man Chang (Edmund) (6/93) (Orlanski)	Downstream Development of Baroclinic Waves	Prof.-Stonybrook
54. Larry Anderson (6/93) (Sarmiento)	The Determination of Redfield Ratios for use in Global Oceanic Nutrient Cycle Models	WHOI

Name, Ph.D Date, Advisor	Thesis Title	Present Affiliation
55. Li Yuan (11/93) (Hamilton)	Statistical Equilibrium Dynamics in a Forced-Dissipative f-plane Shallow-Water Model	
56. Chen-Ta Chen (6/94) (Ramaswamy)	Sensitivity of the Simulated Global Climate to Perturbations in Low Cloud Microphysical Properties	Prof.-Nat'l Taiwan U.
57. Valentina Pavan (6/94) (Held)	Parameter Study of the Statistically Steady state of a Multi-Layer Quasi-Geostrophic Model	ARPA-SIM Regional Weather Service
58. Wataru Ohfuchi (11/94) (Manabe)	The Sensitivity of an Atmospheric General Circulation Model to Large Changes in Carbon Dioxide Level	Yokohama Inst. Earth Sci.
59. Jiawei Zhang (11/95) (Held)	Effects of Latent Heating on Midlatitude Atmospheric General Circulation	Credit Suisse First Boston Corp., NY
60. Lisa Goddard (6/95) (Philander)	The Energetics of Interannual Variability in the Tropical Pacific Ocean	Scripps, CA
61. Simona Masina (11/96) (Philander)	Tropical Instability Waves in the Pacific Ocean	INGV, Bologna Italy
62. Pravadha Suntharaligham (1/97) (Sarmiento)	Modeling the Global Nitrous Oxide Distribution	Harvard
63. Yunqing Zhang (6/97) (Held)	On the Mechanisms for the Mid-Winter Suppression of the Pacific Stormtrack	Prof. - Rutgers
64. Rebecca Orris (6/97) (Ramaswamy)	A Test of the Consistency of Models and Observations in the Middle Atmosphere	The Land Trust Alliance D.C.
65. Alexander Hall (11/98) (Manabe)	The Role of Water Vapor Feedback in Unperturbed Climate Variability and Global Warming	Prof. - Lamont-Doherty Earth Obs.
66. Frederic Vitart (1/99) (Anderson)	Tropical Storm Interannual and Interdecadal Variability in an Ensemble of GCM Integrations	ECMWF, UK
67. Andrzej Klonecki (5/99) (Levy)	Model Study of the Tropospheric Chemistry of Ozone	NOVELTIS France
68. Olivier Pauluis (1/00) (Held)	Entropy Budget of an Atmosphere in Radiative-Convective Equilibrium	Prof. - NYU

Name, Ph.D Date, Advisor	Thesis Title	Present Affiliation
69. Tapio Schneider (1/01) (Held)	Structural Analyses of Climate Data	Prof. - Cal-Tech.
70. David Baker (1/01) (Sarmiento)	Sources and Sinks of Atmospheric CO ₂ Estimated From Batch Least-Squares Inversions of CO ₂ Concentration Measurements	NCAR Post-doc
71. Scott Harper (11/01) (Philander)	The Influence of Subtropical Forcing on the Density Structure of the Tropical Ocean	ONR Program Mgr.
72. Teresa Holloway (11/01) (Levy)	Transboundary Air Pollution in Asia: Model Development and Policy Implications	Prof. - U. Wisconsin
73. Andrew Wittenberg (6/02) (Philander)	ENSO Response to Altered Climates	GFDL
74. Giulio Boccaletti (6/03) (Philander)	The Thermal Structure of the Upper Ocean	MIT Post-doc
75. Curtis Deutsch (11/03) (Sarmiento)	Biogeochemical Constraints on the Modern and Glacial Oceanic Nitrogen Cycle	U. Washington Post-doc
76. Chi-Yang Tam (1/04) (Lau)	The Impact of ENSO on Tropical and Extratropical Atmospheric Variability on Intraseasonal and And Synoptic Time Scales as Inferred from Observations and GMC Simulations	U. Hawaii Post-doc
77. Shree Khare (1/05) (Anderson/Vallis)	Observing Network Design for Improved Prediction of Geophysical Fluid Flows- Analysis of Ensemble Methods	NCAR Post-doc
78. Irina Marinov (1/05) (Sarmiento)	Controls on the Air-Sea Balance of Carbon Dioxide	MIT Post-doc
79. Dargan Frierson (9/05) (Vallis)	Studies of the General Circulation of the Atmosphere with a Simplified Moist GCM (Applied Math Student)	U. Chicago Post-doc
80. Huiyan Yang (9/05) (Levy)	The Modeling of Tropospheric Photochemistry and Black Carbon Aerosol: Examinations of Radiation, Transformation concentrations and Emission Reduction Aspects	Rutgers U. Post-doc

Atmopsheric and Oceanic Sciences Program

Past and Present

Postdoctoral Research Fellows, Research Staff, Research Scholars and
Visiting Scientists

October 1969 – present

Atmospheric and Oceanic Sciences Program

**POSTDOCTORAL ASSOCIATES, RESEARCH STAFF,
RESEARCH SCHOLARS AND VISITING SCIENTISTS**

No.	Name	Mentor	Appointment Dates		Present Affiliation
			Begin	End	
1.	MATSUNO, Taro	Miyakoda	10/01/69	09/30/70	Frontier Res. Ctr., Japan
2.	PHILANDER, S. George	Bryan	07/01/71 (Res. Staff) 07/01/73 01/01/75	06/30/73 12/31/74 06/30/78	Prof. - Princeton Univ.
3.	CLARK, Terry L.	Miyakoda	09/01/71	05/31/73	UCAR, Boulder, CO
4.	OOYAMA, Katsuyuki	Manabe	09/01/71	05/31/72	Retired
5.	GILL, Adrian E.	Bryan	09/15/71	07/31/72	Deceased
6.	YAMADA, Tetsuji	Mellor	02/07/72 (Res. Staff) 07/01/75 09/01/75 07/01/76	06/30/75 08/31/75 06/01/76 10/31/76	Prof – Rutgers Univ.
7.	HAYASHI, Yoshio	Manabe	04/15/72	06/30/7	Deceased
8.	FELS, Stephen B.	Manabe	10/01/72	09/28/74	Deceased
9.	HOSKINS, Brian J.	Bryan	11/01/72	09/30/73	Prof. - Univ. Reading, U.K.
10.	CHEN, Wen-Yuan	Stegen	06/11/73	06/30/75	Prof. -Nat.Chin-Yi Instit. Taiwan
11.	CHEN, Jiun-Hsiung	Miyakoda	08/01/72	07/24/74	
12.	HICKIE, Brian P.	Philander	09/01/74	08/31/76	
13.	SIMMONDS, Ian H.	Miyakoda	09/01/74	08/31/77	Prof. - Univ. Melbourne
14.	HANTEL, Michael	Oort	10/01/74 (w/o stip. 01/01-04/30) 07/01/75	06/30/75 10/15/75	Prof. Univ. of Wien
15.	CERASOLI, Carmen P .	Orlanski (Res. Staff)	10/01/74 10/01/75	09/30/76 04/30/79	MITRE Corp.

No. Name	Mentor	Appointment Dates		Present Affiliation
		Begin	End	
16. RIPA-ALSINA, Pedro	Bryan	05/01/75	06/30/77	Deceased
17. BLUMBERG, Alan F.	Mellor	(Res. Asst.) 06/12/74	08/29/74	Prof. - Stevens Institute, NJ
		(Res. Assoc.) 09/01/76	06/30/77	
		07/01/77	09/15/77	
		09/16/77	01/31/78	
		02/01/78	03/31/78	
		04/01/78	07/31/78	
		(Res. Staff) 08/01/78	02/28/79	
		03/01/79	06/30/79	
		07/01/79	06/30/80	
18. ROSSOW, William B.	Williams	09/15/75	09/14/78	
19. KIM, Kuh	Bryan	10/01/75	09/30/76	Prof. – Seoul Nat'l Univ. Korea
20. PESKIN, Richard L.	Mellor	10/01/75	08/16/76	Prof. - Rutgers Univ.
21. SHUKLA, Jagadish	Manabe	03/01/76	02/28/77	Founding Director COLA, VA
22. SARKISYAN, Artem S.	Bryan	03/01/76	05/31/76	Prof. - Russian Acad. of Sciences
23. ANDERSON, David L.T.	Bryan	05/01/76	08/31/76	
		08/22/77	02/28/78	
		07/01/80	08/31/80	
24. VIRASORO, Miquel A.	Orlanski	08/01/76	09/30/76	
25. HIBLER, William D.	Bryan	09/01/76	12/31/77	Prof. - Univ. Alaska
		09/01/81	06/30/82	
26. WILLEBRAND, Juergen	Philander	09/01/76	06/30/78	Prof. Univ. Kiel
27. MESINGER, Fedor	Miyakoda	06/01/77	03/16/79	NCEP/EMC & UCAR Camp Springs, MD
		(L/A 11/01-12/31/78)		
		03/01/84	02/28/85	
		(NMC 09/01/84-02/28/85)		
28. BOURKE, William P.	Miyakoda	06/21/77	06/20/78	Bureau Met. Res. Australia
29. CROUGH, Thomas S.	Phinney	09/06/77	08/31/79	

No. Name	Mentor	Appointment Dates		Present Affiliation
		Begin	End	
30. SARMIENTO, Jorge L.	Bryan	04/03/78 (Asst. Prof./Director/Assoc.Prof.) 09/01/80	08/31/80	Prof. - Princeton
31. SPERA, Frank	(GGS)	09/01/77	06/30/78	Prof. – UC Berkeley
32. RYASIN, V.A.	Miyakoda	10/02/77	10/31/77	
33. TROSNIKOV, I.V.	Miyakoda	10/02/77	10/31/77	
34. MELESHKO, Valentin P.	Manabe	02/26/78	04/03/79	Director Main Geophysical Observatory-Russia
35. KURBATKIN, Gennadii P.	Manabe	10/10/78	04/03/79	Retired
36. KESHAVAMURTY, R.N.	Manabe	03/12/79	03/11/81	Retired
37. SUN, Wen-Yih	Orlanski	09/01/78	08/31/79	Prof. - Purdue Univ.
38. LAU, Ngar-cheung	Oort	11/06/78 (Res. Staff) 02/01/81	01/31/81 05/12/84	GFDL
39. HOLOPAINEN, Eero	Oort	06/05/79	01/01/80	Univ. of Kuopio, Finland
40. RHINES, Peter B.	Bryan	11/01/78	11/30/78	Prof. - Univ. Washington
41. ROOTH, Claes G.H.	Bryan	02/01/79	07/31/80	Prof.-Univ. Miami(RSMAS)
42. ANDREWS, David G.	Mahlman	09/01/79	07/31/80	Prof. - Univ. Oxford, U.K.
43. YOON, Jong Hwan	Philander	07/01/79	03/13/81	Prof. - Kyushu Univ. Japan
44. WAHR, John M.	Dahlen	01/07/80	01/06/82	Prof. - Univ. Colorado
45. DELECLUSE-ROY, Pascale	Bryan	10/15/79	10/14/80	Lab. of Oceanography Dyn. of Climatology, France
46. CHAO, Ji-ping	Miyakoda	09/18/80	03/17/82	Nat'l Marine Env. for Ctr., China
47. KEY, Robert M.	Sarmiento	11/01/80 (Res. Assoc.) 11/01/81 09/01/87 12/01/87	10/31/81 08/31/87 11/30/87	Princeton Res. Scholar

No.	Name	Mentor	Appointment Dates		Present Affiliation
			Begin	End	
48.	ZENG, Qing-cun	Held	12/22/80	03/21/82	Prof./Dir. International Ctr. Climate& Env. Sci., China
49.	HSU, Chih-Ping	Mahlman	04/01/80	04/30/82	Prof.-Chiao Tung Univ., Taiwan
50.	OEY, Lie-Yauw	Mellor	04/01/80 (Res. Staff)	02/28/82	Princeton Res. Scholar
			03/01/82	04/30/82	
			05/01/82	07/31/82	
			08/01/82	11/30/83	
			12/01/83	08/31/84	
			04/01/88	08/31/88	
51.	LEMKE, Peter	Bryan	04/01/81	06/22/83	Prof. – Univ. Bermen, Germany
52.	YE, Du-zheng	Manabe	05/01/81	11/27/81	Prof. - Chinese Ac. Sci.
53.	PIERREHUMBERT, Raymond	Orlanski	(Res. Asst.)		Prof. - Univ. Chicago
			06/12/78	09/08/78	
			06/01/79	08/31/79	
			(Vis.Res.Staff)		
			07/01/81	07/31/81	
54.	DOMARADZKI, J. .Andrzej	Mellor	09/07/81	09/05/83	Prof. – USC
55.	YAMAGATA, Tetsuji	Philander	09/01/81	08/18/83	Prof.-Nagoya Univ.
56.	PANETTA, R. Lee	Held	09/01/82	02/28/85	Prof. - Texas A&M
57.	TOGGWEILER, John R.	Sarmiento	11/01/82	04/30/83	GFDL
			05/01/83	10/31/84	
			(Res. Assoc./Staff)		
			11/01/84	5/31/87	
58.	SALBY, Murry	Mahlman	06/28/82	06/27/84	Prof.-Univ. Colorado
59.	PURI, Kamal	Miyakoda	02/10/83	02/09/84	Prof. -Univ. of Queensland Australia
60.	MIYAHARA, Saburo	Fels	04/01/83	06/30/85	Prof.-Kyushu Univ.
61.	GREATBATCH, Richard	Philander	09/01/83	10/31/84	Prof.-Dalhousie Univ.
62.	PLUMB, Alan	Mahlman	05/01/83	12/16/83	Prof. - MIT

No.	Name	Mentor	Appointment Dates		Present Affiliation
			Begin	End	
63.	WAJSOWICZ, Roxana	Bryan	11/01/83	08/31/85	Univ. of Maryland/Researcher
64.	GALPERIN, Boris	Mellor	10/21/83 11/01/84 (Res. Staff) 07/01/85 09/16/86	10/31/84 06/30/85 09/15/86 11/30/87	Prof. - Univ. South Florida
65.	PATCHEN, Richard	Mellor	01/03/84	01/02/85	NOAA-National Ocean Serv.
66.	BREVDO, Leonid	Pierrehumbert	08/06/84	08/05/85	Prof. – U. of Marseille, France
67.	HUANG, Rui-Xin	Bryan	09/01/84	03/31/86	WHOI-Sr. Researcher
68.	KANG, In-Sik	Held	07/20/84	02/21/86	Prof. & Chairman Seoul Nat'l Univ.
69.	CROOK, N. Andrew	Orlanski	01/28/85	01/27/87	UCAR
70.	LLOYD, Christopher	Manabe	09/07/84	02/08/85	Private Comp., U.K.
71.	PARK, Jeffrey J.	Dahlen	03/25/85	03/24/86	Prof. - Yale Univ.
72.	WANG, Bin	Orlanski	11/26/84	12/22/86	Prof. - Univ. Hawaii
73.	KIDA, Hideji	Mahlman	08/01/85	01/27/88	Prof- Kyoto Univ.
74.	RAMASWAMY, V.	Fels	09/01/85 (Res. Staff) 09/01/88 (Res.Scientist) 07/01/89	08/31/88 06/30/89	GFDL
75.	BONING, Claus	Bryan	10/01/85	03/31/87	Instit. fur Meereskunde-Germany
76.	SAVIJARVI, Hannu	Oort	01/01/86	12/31/86	Prof.-Univ. Helsinki
77.	THIELE, Gerhard	Sarmiento	01/01/86	10/23/87	German Astronaut
78.	DERBER, John	Miyakoda	01/01/86	07/06/87	NOAA-National Weather Serv.
79.	KANTHA, Lakshmi	Mellor	01/14/86 10/15/86 01/01/88 02/01/88	10/14/86 12/31/87 01/31/88 08/31/88	Prof. - Univ. Colorado

No.	Name	Mentor	Appointment Dates		Present Affiliation
			Begin	End	
80.	FELDSTEIN, Steven	Held	07/07/86	06/30/88	Prof. - Penn. State Univ.
81.	PITARI, Giovanni	Mahlman	11/10/86	10/23/87	Prof.-Univ. L'Aquila, Italy
82.	SHENG, Jin	Manabe	05/01/87	06/30/88	Univ. of Science & Tech., China
83.	THORSTEINSSON, Sigurda	Pierrehumbert	06/01/87 10/01/88	08/31/88 12/31/88	
84.	PINTO, Joseph P.	Mahlman	06/22/87	09/30/88	US EPA
85.	HAMILTON, Kevin	Mahlman	07/01/87	09/30/88	Prof. - Univ. of Hawaii
86.	POND, Stephen	Bryan	09/01/87	12/18/87	Retired
87.	FYFE, John	Pierrehumbert	09/14/87	07/31/89	Canadian Center for Climate Modeling & Analysis
88.	ZHU, Xun	Fels	09/01/87	08/25/89	John Hopkins Univ.
89.	SHAFFER, Gary	Sarmiento	05/01/88 08/01/89	06/30/88 10/06/89	
90.	KUSHNER, Yochanan	Lau	05/09/88	09/01/89	Lamont-Doherty
91.	GERDES, Rudiger	Bryan	09/01/88	08/31/90	Prof. - AWI, Germany
92.	KAROLY, David J.	Oort	09/01/88	06/26/89	Prof. - Univ. Oklahoma
93.	DA SILVA, Arlindo	Miyakoda	03/27/89	03/26/91	NASA/GSFC
94.	RINTOUL, Stephen R.	Sarmiento	11/15/88	05/25/90	Prof. – CSIRO Marine Lab. Tasmania, Australia
95.	O'BRIEN, Enda	Held	09/12/88	09/11/90	
96.	ZAVATARELLI, Marco	Mellor	02/20/89	02/19/91	Prof. - Univ. Bologna, Italy
97.	EZER, Tal	Mellor	06/05/89	06/30/90	Princeton Researcher
98.	JI, Zhen-Gang	Philander	07/01/89	06/30/90	US MMS/Envir. Division
99.	MITSUMOTO, Shigeki	Manabe	07/24/89	07/23/91	Prof. - Inst. Env. Res. Japan

No. Name	Mentor	Appointment Dates		Present Affiliation
		Begin	End	
100.STEPHENSON, David	Held	10/01/89	09/30/90	Prof. - Univ. Reading, U.K.
101.WU, Guo-Xiong	Manabe	11/01/89	10/31/90	Prof. – Univ. College London
102.COCHRAN, J. Kirk	Sarmiento	01/01/90	06/30/90	Prof. - Yale Univ.
103.GARNER, Stephen J.	Orlanski	11/01/89	10/31/90	GFDL
104.LEWANDOWICZ, Rafal	Bryan	01/23/90	01/22/91	
105.LANZANTE, John R.	Lau	01/29/90	01/28/91	GFDL
106.BACON, Michael	Sarmiento	03/01/90 9/27/93	05/31/91 8/31/94	WHOI
107.STRAHAN, Susan	Mahlman	03/01/90	02/28/91	NASA-Goddard
108.GINIS, Isaac	Kurihara	12/3/90	1/31/93	Prof. – Univ. Rhode Island
109.ZHANG, Weihua	Manabe	09/01/90	08/31/91	Peking Univ, China
110.RAVELO, Christina	Philander	11/01/90	10/31/91	Prof. - Santa Cruz, CA
111.BLOOMFIELD, Peter	Manabe	01/01/91	06/30/91	Prof. - N. Carolina State Univ.
112.GROSS, Brian	Orlanski	1/14/91	1/8/93	GFDL
113.*HSIEH, William	Bryan	9/1/92	12/31/92	Prof. – Univ. of British Columbia, Canada
114.PELZ, Richard	Mahlman	7/1/94	8/31/94	Deceased
115.McCARTHY, Robert	Mellor	5/6/91	12/11/92	
116.HANSEN, Frank	Held	6/3/91	6/30/93	
117.VINNIKOV, Konstantine	Manabe	8/15/91	8/14/93	Univ. Maryland-Sr. Researcher
118.LINDBERG, Craig	Oort	9/1/91	12/31/93	
119.XIE, Shang-Ping	Philander	9/1/91	8/31/92	Prof. Univ. Hawaii
120.*LIU, Zhegyu	Philander	10/15/91	10/14/92	Prof.-Univ. Wisconsin

No. Name	Mentor	Appointment Dates		Present Affiliation
		Begin	End	
121.NAKAMURA, Hisashi	Lau	11/1/91	10/31/92	Prof. Univ. Tokyo, Japan
122.NAVARRA, Antonio Returned for 6 months Returned to 3 months	Miyakoda	1/1/92 1/1/93 4/1/94	6/30/92 6/30/93 6/30/94	Director-INGV Bologna, Italy
123.PINARDI, Nadia Returned for 6 months Returned for 3 months	Miyakoda	1/1/92 1/1/93 4/1/94	6/30/92 6/30/93 6/30/94	Prof. - Univ. Bologna Italy
124.ARMSTRONG, Robert [†]	Sarmiento	1/27/92	4/30/94	Prof. Stony-Brook Univ.
125.PERLISKI, Lori	Mahlman	6/1/92	6/11/94	Prof. - NOAA/ESRL
126.GU, Daifang [†]	Philander	8/17/92	6/30/94	Citi Bank, NYC
127.LARICHEV, Vitaly	Held	10/30/92	11/01/95	
128.SUN, Dezheng	Held	9/21/92	3/01/95	NOAA, Boulder, CO
129.MIX, Alan	Sarmiento	8/17/92 5/1/93	4/30/93 6/30/93	Prof. - Oregon State
130.*HU, Dingming	Held	6/2/93	11/30/93	
131.LI, Tianming [†]	Philander	6/1/93	7/01/95	Prof. - Univ. Hawaii
132.IP, Chi-Fung	Manabe	7/1/93	7/30/95	Became a dentist
133.TZIPERMAN, Eli	Bryan	8/23/93 7/01/00	6/30/94 8/15/00	Prof. - Harvard Univ.
134.*BRYAN, Frank	Sarmiento	6/1/93	11/30/93	NCAR, Boulder, CO
135. MAK, Mankin	Orlanski	8/16/93	5/31/94	Prof. - Univ. Illinois
136.WUNSCH, Carl	Bryan	9/1/93	1/31/94	Prof. - MIT
137.SODEN, Brian	Ramaswamy	7/7/93	6/30/95	Prof. - Univ. of Miami
138.GRIFFIES, Stephen	Bryan	8/2/93	7/31/95	GFDL
139.GOLDBERG, Charles	Mahlman	9/1/93	6/30/94	

No.	Name	Mentor	Appointment Dates		Present Affiliation
			Begin	End	
140.	CHEN, Ping [†]	Mellor	10/1/93	9/30/95	Prof. – Univ. of Houston
141.	ZIMMERMANN, Jorg	Levy	7/12/93	7/11/94	RWCP Theoretical Foundation Laboratory, Germany
142.	SUNWOO, Young	Levy	10/1/93	2/28/94	Prof. Konkuk Univ., Korea
143.	WU, Chun-Chieh	Kurihara Held	8/2/93 1/1/04	7/3/94 6/30/04	Prof.-National Taiwan Univ.
144.	PELZ, Richard Return for 2 months	Held	7/1/93 7/1/94	12/31/93 08/31/94	Deceased
145.	GOSWAMI, Bhupendra	Philander	5/9/94	5/9/95	Indian Institute of Science, Bangalore, India
146.	WEILL-ZRAHIA, Anne	Held	6/1/94	6/1/95	Israel Institute for Tech.
147.	ROBOCK, Alan	Manabe	9/1/94	9/1/95	Prof.-Rutgers Univ.
148.	LI, Jiangnan	Ramaswamy	9/1/94	9/1/95	Canadian Centre for Climate Modeling & Analysis
149.	BALASUBRAMANIAN, G.	Orlanski	9/1/94	9/1/95	LLNL
150.	JUNGC LAUS, Johann	Mellor	10/1/94	10/1/95	Prof.-Max-Planck, Germany
151.	REISIN, Tamir	Donner	1/23/95	1/24/96	Soreq Nuclear Res. Israel
152.	NUMAGUTI, Atusi	Manab	2/1/95	2/1/96	Deceased
153.	TREGUIER, Ann-Marie	Held	2/1/95	2/1/96	IFREMER, France
154.	*BUSH, Andrew	Philander	1/10/95	1/10/97	Prof. - Univ. Alberta, Canada
155.	DENGG, Joachim	Sarmiento	7/01/95	7/01/97	IFM – Geomar, U. of Kiel
156.	GNANADESIKAN, Anand	Toggweiler	9/01/95	9/01/97	GFDL
157.	KLEIN, Stephen	Lau	9/15/95	9/15/97	LLNL
158.	KUSHNER, Paul	Held	9/25/95	9/25/97	Prof. - Univ. of Toronto
159.	*SCHLOSSER, Adam	Manabe	9/18/95	9/28/97	MIT-Researcher

No.	Name	Mentor	Appointment Dates		Present Affiliation
			Begin	End	
160.	HAYWOOD, James	Ramaswamy	1/01/96	1/01/98	Met Office, U.K.
161.	PARK, Young-Gyu	Bryan	9/01/96	7/01/97	KORDI, S. Korea
162.	YANG, Xiu-Qun	Anderson	6/21/96	7/01/97	Prof. - Nanjing Univ.
163.	BALAJI, V.	Held	9/1/96 3/01/04	9/1/97	CICS
164.	ANDRONACHE, C.	Donner	1/13/97	2/01/99	Boston College-Researcher
165.	ERLICK, Carynelisa	Ramaswamy	10/01/97	10/15/99	Hebrew Univ.
166.	GRUBER, Nicolas	Sarmiento	8/25/97	6/30/00	Prof. – UCLA
167.	BJORNSSON, Hallador	Toggweiler	9/01/98	9/01/00	Icelandic Met. Office, Iceland
168.	EMANUEL, Kerry	Held	9/01/98	9/01/99	Prof.-MIT
169.	JACKSON, Charles	Broccoli	1/13/98	3/02/01	Prof.-Univ. Texas-Austin
170.	WANG, Sheng-wei	Levy	5/20/98	5/23/02	RutgersUniv.-Researcher
171.	STEPHENS, James	Hallberg	1/10/99	1/06/01	Inst. for Advanced Study
172.	POLYAKOV, Igor	Winton	3/01/99	3/01/00	Prof.-Univ. of Alaska/IARC
173.	KOHLER, Martin	Donner	4/19/99	4/01/00	Prof. – EMPA Switzerland
174.	SENGUPTA, Debasis	Rosati	9/30/99	10/01/00	Prof. – Indian Statistical Inst. Banglore, India
175.	NORRIS, Joel	Lau	11/01/99	9/01/00	Prof.-U.C.-San Diego
176.	PHILLIPS, Vaughan	Donner	5/01/01		CICS
177.	HOROWITZ, Larry	Levy	12/01/99	10/23/01	GFDL
178.	ZHANG, Shaoqing	Anderson	3/01/00	1/31/02	UCAR/GFDL
179.	GARRETT, Tim	Ramaswamy	6/15/0 0	2/28/02	Prof.-Univ. Utah
180.	SCOTT, Rob	Vallis	6/19/00	5/31/02	Prof.-Univ. Texas-Austin

No.	Name	Mentor	Appointment Dates		Present Affiliation
			Begin	End	
181.	HOTINSKI, Roberta	Toggweiler	8/21/00	8/22/02	Princeton PEI
182.	CASH, Ben	Kushner	9/15/00	9/01/02	Prof. - Maryville College
183.	WANG, Hailan	Lau	9/25/00	9/25/02	NASA Goddard
184.	LAPEYRE, Guillame	Held	10/15/00	10/15/02	IFREMER, France
185.	ARBIC, Brian	Garner	2/29/01	3/01/03	Prof.-Univ. Texas-Austin
186.	FINDELL, Kristen	Milly	3/26/01	5/09/02	GFDL
187.	SUN, Che	Hallberg	5/15/01	5/15/02	Chinese Academy of Sci. China
188.	NOLAN, David	Tuleya	7/09/01	6/30/02	Prof. - Univ. Miami
189.	KHAIN, Alexander	Tuleya	8/01/01	1/31/02	Prof.-Hebrew Univ., Israel
190.	ZHANG, Rong	Vallis	1/01/02		CICS
191.	LIU, Fei	Ramaswamy	5/28/02	5/29/03	RSIS/GFDL
192.	WITTENBERG, Andrew	Rosati	6/10/02	3/14/04	GFDL
193.	RUSSELL, Joellen	Toggweiler	9/16/02	12/31/05	Prof.-Univ. Arizona
194.	REICHLER, Thomas	Kushner	2/01/03	6/30/04	Prof.-Univ. Utah
195.	deBOER, Agatha	Toggweiler	3/04/03		CICS
196.	FOX-KEMPER, Baylor	Vallis	4/07/03	9/01/04	MIT-Researcher
197.	KIM, Byung-Gon	Klein	5/01/03	2/28/05	Kongnung National Univ. South Korea-Researcher
198.	ADCROFT, Alistair	Leetmaa (Visiting Research Oceanographer) Leetmaa	6/11/03 9/1/04	9/5/03	CICS
199.	LEGG, Sonya	Leetmaa (Visiting Fellow) Leetmaa	6/11/03 9/1/04	9/5/03	CICS
200.	FIORE, Arlene	Levy	8/25/03	8/25/04	GFDL

No.	Name	Mentor	Appointment Dates		Present Affiliation
			Begin	End	
201.	XIA, Youlong	Milly	12/19/03		CICS
202.	RIVIERE, Gwendel	Orlanski	1/01/04		CICS
203.	ZHAO, Ming	Held	2/04/04		CICS
204.	HUANG, Xianglei	Ramaswamy	6/28/04		CICS
205.	SONG, Qian	Rosati	7/01/04		CICS
206.	JACKSON, Laura	Hallberg	8/23/04		CICS
207.	WEST, J. Jason	Ramaswamy	10/06/04		CICS
208.	YIN, Jianjun	Stouffer	10/12/04		CICS
209.	JIANG, Xianan	Lau	10/18/04		CICS
210.	ZHAO, Rongrong	Vallis	12/01/04		CICS