

Appendix

Chronology for Forecast Systems Laboratory (FSL)

Administration and Funding

- October 1, 1990 - As of October 1, 1990 the total FSL staff was 179.
- The organization of FSL was as follows:
 - Director: A. E. MacDonald
 - Deputy Director: Jim Holitza
 - Administration: Juanita S. Alspaugh
 - Divisions:
 - Aviation Division: Michael Kraus, Chief
 - Demonstration Division: Don Beran, Chief
 - Facility Division: Peter Mandics, Chief
 - Modernization Division: Dennis Walts, Chief (Acting)
 - Systems Development Division: Herb Grote, Chief (Acting)
 - Science Division: Cecilia Griffith, Chief (Acting)
 - No information was available for FY 1990 funding.
- October 1, 1991 - As of October 1, 1991 the total FSL staff was 191.
- The organization of FSL was as follows:
 - Director: A. E. MacDonald
 - Deputy Director: Jim Holitza
 - Administration: Sandi Aschert
 - Divisions:
 - Aviation Division: Michael Kraus, Chief
 - Demonstration Division: Russ Chadwick, Chief
 - Facility Division: Peter Mandics, Chief
 - Modernization Division: Dennis Walts, Chief (Acting)
 - Systems Development Division: Herb Grote, Chief (Acting)
 - Science Division: Cecilia Griffith, Chief (Acting)
 - No information was available for FY 1991 funding.
- March 1993 - As of October 1992 the total FSL staff was 201
- The organization of FSL was as follows:
 - Director: A. E. MacDonald
 - Director for Administration and Research: Jim Holitza
 - Administrative Officer: Sandi Aschert
 - Divisions:
 - Aviation Division: Michael Kraus, Chief
 - Demonstration Division: Russ Chadwick, Chief
 - Facility Division: Peter Mandics, Chief
 - Science Division: Tom Schlatter, Chief
 - Modernization Division: Dennis Walts, Chief
 - Systems Development Division: Herb Grote, Chief

- No information was available for FY 1992 funding.

May 1994

- As of October 1993 the total FSL staff was 204
- The organization of FSL was as follows:
 - Director: A. E. MacDonald
 - Director for Administration and Research: Jim Holitza
 - Administrative Officer: Sandi Aschert
 - Divisions:
 - Aviation Division: Michael Kraus, Chief
 - Demonstration Division: Russ Chadwick, Chief
 - Facility Division: Peter Mandics, Chief
 - Forecast Research Division: Tom Schlatter, Chief
 - Modernization Division: Dennis Walts, Chief
 - Systems Development Division: Herb Grote, Chief
- No information was available for FY 1993 funding.

July 1995

- As of October 1993 the total FSL staff was 201
- The organization of FSL was as follows:
 - Director: A. E. MacDonald
 - Director for Administration and Research: Jim Holitza
 - Administrative Officer: Sandi Aschert
 - Divisions:
 - Aviation Division: Michael Kraus, Chief
 - Demonstration Division: Russ Chadwick, Chief
 - Facility Division: Peter Mandics, Chief
 - Forecast Research Division: Tom Schlatter, Chief
 - Modernization Division: Carl Bullock, Acting Chief
 - Systems Development Division: Herb Grote, Chief
- No information was available for FY 1994 funding.

May 1996

- As of May 1996 the total FSL staff was 207.
- The organization of FSL was as follows:
 - Director: A. E. MacDonald
 - Director for Administration and Research: Jim Holitza
 - Administrative Officer: Sandi Aschert
 - Divisions:
 - Aviation Division: Michael Kraus, Chief
 - Demonstration Division: Russ Chadwick, Chief
 - Facility Division: Peter Mandics, Chief
 - Forecast Research Division: Tom Schlatter, Chief
 - International Division: Wayne Fischer, Chief (acting)
 - Modernization Division: Dennis Walts, Chief
 - Systems Development Division: Herb Grote, Chief
- No information was available for FY 1995 funding.

March 1997

- As of March 1997 the total FSL staff was 209.
- The organization of FSL was as follows:
 - Director: A. E. MacDonald
 - Director for Administration and Research: Jim Holitza
 - Administrative Officer: Sandi Aschert
 - Divisions:
 - Aviation Division: Michael Kraus, Chief
 - Demonstration Division: Russ Chadwick, Chief
 - Facility Division: Peter Mandics, Chief
 - Forecast Research Division: Tom Schlatter, Chief
 - International Division: Wayne Fischer, Chief (acting)
 - Modernization Division: Dennis Walts, Chief
 - Systems Development Division: Herb Grote, Chief
- No information was available for FY 1996 funding.

August 1998

- As of August 1998 the total FSL staff was 209.
- The organization of FSL was as follows:
 - Director: A. E. MacDonald
 - Director for Administration and Research: Jim Holitza
 - Administrative Officer: Sandi Aschert
 - Divisions:
 - Aviation Division: Michael Kraus, Chief
 - Demonstration Division: Russ Chadwick, Chief
 - Facility Division: Peter Mandics, Chief
 - Forecast Research Division: Tom Schlatter, Chief
 - International Division: Wayne Fischer, Chief (acting)
 - Modernization Division: Dennis Walts, Chief
 - Systems Development Division: Herb Grote, Chief
- No information was available for FY 1997 funding.

June 1999

- As of June 1999 the total FSL staff was 196.
- The organization of FSL was as follows:
 - Director: A. E. MacDonald
 - Director for Administration and Research: Jim Holitza
 - Administrative Officer: Sandi Aschert
 - Divisions:
 - Aviation Division: Michael Kraus, Chief
 - Demonstration Division: Russ Chadwick, Chief
 - Facility Division: Peter Mandics, Chief
 - Forecast Research Division: Tom Schlatter, Chief
 - International Division: Wayne Fischer, Chief
 - Modernization Division: Dennis Walts, Chief
 - Systems Development Division: Herb Grote, Chief
- No information was available for FY 1998 funding.

June 1999

- As of February 2000 the total FSL staff was 238 in the following categories: 91 Civil Service (including three NWS employees), 71 Joint Institute (59 from CIRA and 12 from CIRES), 52 commercial affiliates, and 24 visiting scientists and guest workers.
- The organization of FSL was as follows:
 - Director: A. E. MacDonald
 - Director for Administration and Research: Jim Holitza
 - Administrative Officer: Sandi Aschert
 - Divisions:
 - Aviation Division: Michael Kraus, Chief
 - Demonstration Division: Margot Ackley, Chief
 - Facility Division: Peter Mandics, Chief
 - Forecast Research Division: Steve Koch, Chief
 - International Division: William Bendel, Chief
 - Modernization Division: Dennis Walts, Chief
 - Systems Development Division: Herb Grote, Chief
- In FY 1999 FSL was funded as follows:

OAR base funds	\$ 8.1M
Other NOAA funds	
National Weather Service	6.3M
High Performance Computer System	4.4M
Mount Washington Observatory	3.1M
Other Other-NOAA funds	<u>1.7M</u>
	15.5M
Other Federal Agencies	4.2M
Non-federal funds	0.8M
 Total	 \$ 28.6M

July 2001

- As of January 2001 the total FSL staff was 226 in the following categories: 92 Civil Service (including two NWS employees), 69 Joint Institute (55 from CIRA and 14 from CIRES), 42 commercial affiliates, and 23 visiting scientists and guest workers.
- The organization of FSL was as follows:
 - Director: A. E. MacDonald
 - Director for Administration and Research: Jim Holitza
 - Administrative Officer: Sandi Aschert
 - Divisions:
 - Aviation Division: Michael Kraus, Chief
 - Demonstration Division: Margot Ackley, Chief
 - Facility Division: Peter Mandics, Chief
 - Forecast Research Division: Steve Koch, Chief
 - International Division: William Bendel, Chief
 - Modernization Division: Carl Bullock, Acting Chief
 - Systems Development Division: Herb Grote, Chief
- In FY 2000 FSL was funded as follows:

OAR base funds	\$ 8.1M
Other NOAA funds	
National Weather Service	5.4M
High Performance Computer System	5.1M
Other Other-NOAA funds	<u>2.3M</u>
	12.8M
Other Federal Agencies	5.2M
Non-federal funds	0.7M
Total	\$ 26.8M

September 2002 - As of October 2001 the total FSL staff was 213 in the following categories: 87 Civil Service (including one NWS employee), 67 Joint Institute (51 from CIRA and 16 from CIRES), 42 commercial affiliates, and 17 visiting scientists and guest workers.

- The organization of FSL was as follows:

Director: A. E. MacDonald

Director for Administration and Research: Jim Holitza

Administrative Officer: Sandi Aschert

Chief Information Officer: Peter A. Mandics

Chief, Information and Technology Services

Divisions:

Aviation Division: Michael Kraus, Chief

Demonstration Division: Margot Ackley, Chief

Forecast Research Division: Steve Koch, Chief

International Division: William Bendel, Chief

Modernization Division: Carl Bullock, Chief

Systems Development Division: Herb Grote, Chief

- In FY 2001 FSL was funded as follows:

OAR base funds	\$ 8.6M
Other NOAA funds	
National Weather Service	4.2M
High Performance Computer System	5.1M
Other Other-NOAA funds	<u>1.6M</u>
	10.9M
Other Federal Agencies	5.9M
Non-federal funds	1.2M
Total	\$ 26.6M

June 2003

- As of October 2002 the total FSL staff was 216 in the following categories: 92 Civil Service (including one NWS employee), 70 Joint Institute (53 from CIRA and 17 from CIRES), 43 commercial affiliates, and 11 visiting scientists and guest workers.

- The organization of FSL was as follows:
 - Director: A. E. MacDonald
 - Director for Administration and Research: Jim Holitza
 - Administrative Officer: Sandi Aschert
 - Chief Information Officer: Peter A. Mandics
 - Chief, Information and Technology Services
 - Divisions:
 - Aviation Division: Michael Kraus, Chief
 - Demonstration Division: Margot Ackley, Chief
 - Forecast Research Division: Steve Koch, Chief
 - International Division: William Bendel, Chief
 - Modernization Division: Carl Bullock, Chief
 - Systems Development Division: Herb Grote, Chief

- In FY 2002 FSL was funded as follows:

OAR base funds	\$ 9.1M
Other NOAA funds	
National Weather Service	3.1M
High Performance Computer System	5.1M
Other Other-NOAA funds	<u>3.8M</u>
	12.0M
Other Federal Agencies	5.4M
Non-federal funds	1.4M
 Total	 \$ 27.9M

- July 2004
- As of October 2003 the total FSL staff was 210 in the following categories: 96 Civil Service (including 4 NWS employees and one EPA employee), 54 Joint Institute (38 from CIRA and 16 from CIRES), 54 commercial affiliates, and 6 visiting scientists and guest workers.
 - The organization of FSL was as follows:
 - Director: A. E. MacDonald
 - Director for Administration and Research: Tom Schlatter (acting)
 - Administrative Officer: Sandi Aschert
 - Chief Information Officer: Peter A. Mandics
 - Chief, Information and Technology Services
 - Divisions:
 - Aviation Division: Michael Kraus, Chief
 - Demonstration Division: Margot Ackley, Chief
 - Forecast Research Division: Steve Koch, Chief
 - International Division: William Bendel, Chief
 - Modernization Division: Carl Bullock, Chief
 - Systems Development Division: Herb Grote, Chief

- In FY 2003 FSL was funded as follows:

OAR base funds		\$ 9.1M
Other NOAA funds		
National Weather Service	5.0M	
High Performance Computer System	5.0M	
Other Other-NOAA funds	<u>1.3M</u>	
		11.3M
Other Federal Agencies		4.7M
Non-federal funds		1.5M
Total		\$ 26.6M

December 2005 - As of October 2004 the total FSL staff was 197 in the following categories: 87 Civil Service (including 4 NWS employees and one EPA employee), 54 Joint Institute (38 from CIRA and 16 from CIRES), 53 commercial affiliates, and 3 visiting scientists and guest workers.

- The organization of FSL was as follows:
 Director: A. E. MacDonald
 Director for Administration and Research: John P. Schneider
 Administrative Officer: Sandi Aschert

Chief Information Officer: Peter A. Mandics
 Chief, Information and Technology Services

Divisions:

Aviation Division: Michael Kraus, Chief

Demonstration Division: Margot Ackley, Chief

Forecast Research Division: Steve Koch, Chief

International Division: William Bendel, Chief

Modernization Division: Carl Bullock, Chief

Systems Development Division: Herb Grote, Chief

- In FY 2004 FSL was funded as follows:

OAR base funds		\$ 5.8M
Other NOAA funds		16.5M
Other Federal Agencies		4.6M
Non-federal funds		2.2M
Total		\$ 29.1M

October 1, 2005 – Forecast Systems Laboratory become the Global Systems Division of the Earth System Research Laboratory, a consolidation of the Boulder research laboratories recommended by FY2004 Congressional appropriations legislation.