

February 8, 2006

Enclosed are 25 DVD's containing the SSM/I data recovered from 8mm tapes in the CIRA archives, spanning 1987-1992. There is a small number of missing tapes which we continue to seek here, but generally we were quite successful in reading these ~ 15 year old tapes. We also have some Fortran code to read the data on the enclosed CD and to print out a few sample fields. The data is now ready to begin the process of scientific data stewardship.

The data have filenames of the form F08\_Aug1987\_001.dat, 1 file per orbit, where the 001 indicates the first orbit. So there are roughly 420 files per month per satellite (~ 14 orbits/day X 30 days). Part of the stewardship effort should involve checking the name and satellite ID from information embedded in the file, and constructing a more standard filename. Each DVD contains roughly 2 or 3 months of data, not necessarily in time order.

This work was supported in 2005 at the Cooperative Institute for Research in the Atmosphere at Colorado State University by NOAA Cooperative Agreement NA17RJ1228. CIRA was able to support this work under the \$50 K STAR science funding in 2005 for "Science Stewardship of Thematic Climate Data Records- A Pilot Study with Global Water Vapor". This work is a good example of CIRA - STAR cooperation. We look forward to more science collaborations with you in the future.

Please contact me if you have any questions.

Sincerely,

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# CIRA SSM/I Data Recovered from 8mm Tapes and Restored to DVD; December 2005

Month/Year	F8	F10	F11
Jul, 1987	●	●	●
Aug, 1987	●	●	●
Sep, 1987	●	●	●
Oct, 1987	●	●	●
Nov, 1987	●	●	●
Dec, 1987	●*	●	●
Jan, 1988	●	●	●
Feb, 1988	●	●	●
Mar, 1988	●	●	●
Apr, 1988	●	●	●
May, 1988	●	●	●
June, 1988	●	●	●
Jul, 1988	●	●	●
Aug, 1988	●	●	●
Sep, 1988	●	●	●
Oct, 1988	●	●	●
Nov, 1988	●	●	●
Dec, 1988	●	●	●
Jan, 1989	●	●	●
Feb, 1989	●	●	●
Mar, 1989	●	●	●
Apr, 1989	●	●	●
May, 1989	●	●	●
June, 1989	●	●	●
Jul, 1989	●	●	●
Aug, 1989	●	●	●
Sep, 1989	●	●	●
Oct, 1989	●	●	●
Nov, 1989	●	●	●
Dec, 1989	●	●	●

Month/Year	F8	F10	F11
Jan, 1990	●	●	●
Feb, 1990	●	●	●
Mar, 1990	●	●	●
Apr, 1990	●	●	●
May, 1990	●	●	●
June, 1990	●	●	●
Jul, 1990	●	●	●
Aug, 1990	●	●	●
Sep, 1990	●	●	●
Oct, 1990	●	●	●
Nov, 1990	●	●	●
Dec, 1990	●	●	●
Jan, 1991	●	●	●
Feb, 1991	●	●	●
Mar, 1991	●	●	●
Apr, 1991	●	●	●
May, 1991	●	●	●
June, 1991	●	●	●
Jul, 1991	●	●	●
Aug, 1991	●	●	●
Sep, 1991	●	●	●
Oct, 1991	●	●	●
Nov, 1991	●	●	●
Dec, 1991	●	●	●

Month/Year	F8	F10	F11
Jan, 1992	●	●	●
Feb, 1992	●	●	●
Mar, 1992	●	●	●
Apr, 1992	●	●	●
May, 1992	●	●	●
June, 1992	●	●	●
Jul, 1992	●	●	●
Aug, 1992	●	●	●
Sep, 1992	●	●	●
Oct, 1992	●	●	●
Nov, 1992	●	●	●
Dec, 1992	●	●	●

\*Instrument powered off  
month of 12/87

- = Copied off tape and on to DVD
- = Tape missing or corrupt
- = Satellite not in operation
- = Tape found in 2007; Sent to NESDIS



AUGUST 1995

## JACKSON AND STEPHENS

2027

TABLE 1. Number of complete days missing from the raw SSM/I data for the F08 satellite from 9 July 1987 to 31 December 1991.

	1987	1988	1989	1990	1991	Total days
January	NA	1st-12th	19th	—	—	13
February	NA	—	—	—	—	0
March	NA	—	—	—	—	0
April	NA	—	—	—	—	0
May	NA	6th-8th	—	—	—	3
June	NA	—	8th	—	20th-23rd	5
July	1st-8th	—	23rd-24th	—	NA	10
August	25th-26th	—	—	25th-26th	NA	4
September	—	23rd	—	—	NA	1
October	6th-7th	23rd	23rd	—	NA	4
November	1st-31st *	—	—	—	NA	0
December	1st-31st	25th-27th	—	22nd-26th	NA	39
Total days	43	20	5	7	4	79

F-8 SSM/I data availability 1987-1991 (from Jackson and Stephens; 1995, J. Climate). Missing CIRA months circled.

\*Instrument powered off month of 12/87