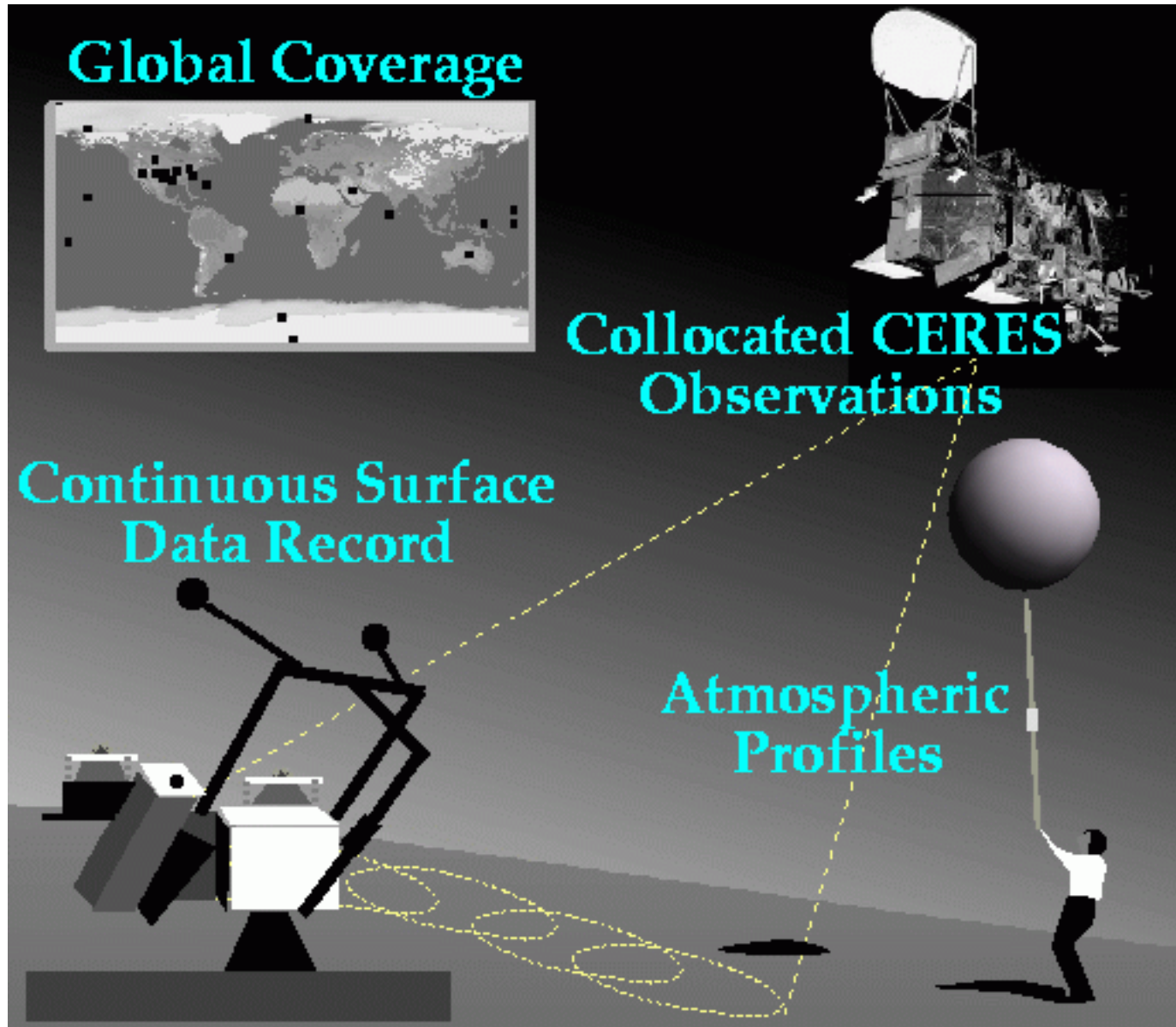


CERES, ARM Validation Experiment (CAVE)

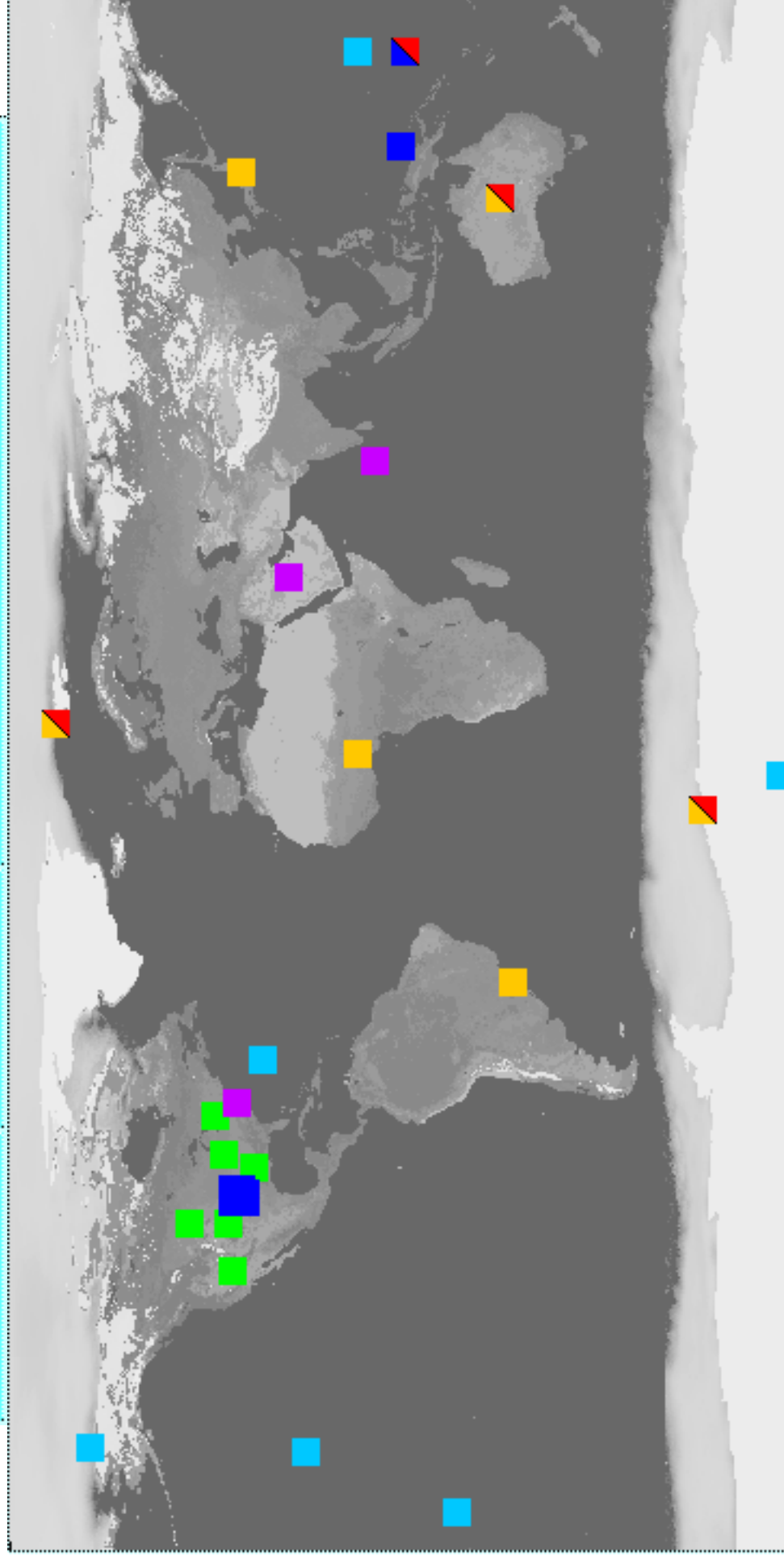
David Rutan, Nitchie Manalo Smith, Fred Rose, Tom Charlock

<http://www-cave.larc.nasa.gov/cave>



CAVE Surface Sites

Project Name	No. Of Sites	Time Availability
<u>ARM</u>	24	January 1998 through Present Date
<u>BSRN</u>	7	January 1998 through December 1998
<u>CMDL</u>	6	Jan-Aug 1998, Mar-Jul 2000
<u>INDOEX</u>	1	February, March 1998
<u>LaRC/COVE</u>	1	September 1999 through Present Date
<u>NREL</u>	1	September 1998 through Present Date
<u>SURFRAD</u>	6	January 1998 through Present Date



CAVE Updates

- ☛ NREL Saudi Solar Village data is available from Sep 1998 through May 2000.
Data Include: Long/Ackerman cloud fraction.
SW direct beam active cavity radiometer.
- ☛ COVE data is up to date, beginning in Sep 1999.
Data include: AERONET aerosol optical depths.
Nighttime offset adjusted diffuse SW.
Long/Ackerman cloud fraction.
- ☛ INDOEX Data available from Feb & Mar 1998.
Data Include: Long/Ackerman cloud fraction.
CIMEL aerosol optical depth.
NIR downward SW total & diffuse.
- ☛ BSRN data is available for 1998.
Current sites: Florianopolis Brazil
Illorin, Nigeria
Tatano, Japan
- ☛ Web Site - Now includes ability to look at any Surface-radiation-Aerosol-Meteorology (SAM) file. Link to it from the "Surface Observations" page.

CAVE SAM Plot Page

- ☛ Fred Rose put this together from his "on-line Fu & Liou" software.
- ☛ Allows one to select any site, month, variable in the CAVE surface observations data base and plot the data for that month.
- ☛ Access is from the CAVE "Surface Observations" page, clicking on

[SAM Plot](#)

or go to <http://srbsun.larc.nasa.gov/sam>

CAVE: SAM FILE Time Series PLOT

STATION

arm_C01

Year / Month / Day (0=All Month)

2000 03 0

PARAMETER

ALL

Press--> **BUTTON** To EXECUTE

NASA Langley: CAVE SAM FILE Time Series plot

<--- INPUT Selections:

STATION:

- ARM :SOUTHERN GREAT PLAINS STATIONS
- COVE : Chesapeake Lighthouse
- NREL : SAUDI SOLAR VILLAGE
- BSRN : [flo,ilo,tat]
- CMDL : [ber,bou,kwa,mlo,sam,sp1]
- SURFRAD : [bon,dra,fpk,gwn,psu,tbl]

TIME: Year / Month / Day :

- Day = 0 Gives Plot for entire month

PARAMETER: