

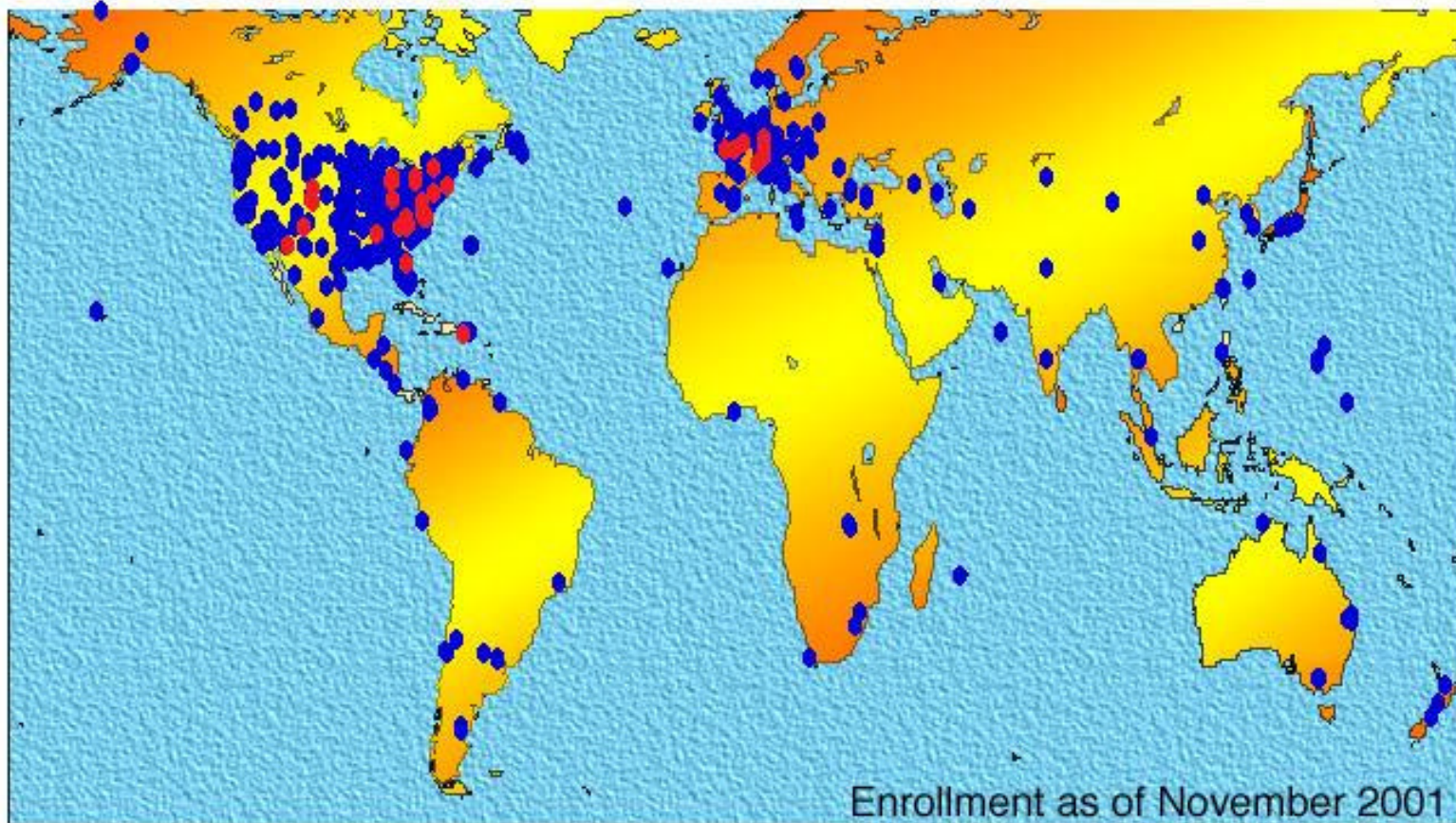
# The CERES S'COOL Project

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**SAIC**

25th CERES Science Team Meeting  
Brussels, Belgium  
January 21-23, 2002

# Participating S'COOL Schools



- Over 1000 participating schools
- 67 schools visited by the S'COOL team (marked in red)
- Student observers in 58 countries
- More than 10,000 observations to date



## **S'COOL Accomplishments Since May 2001 CERES Science Team Meeting**

- **Passed the 1000 Participant Milestone Oct. 31, 2001**
- **A dozen school visits**
- **A dozen teacher conferences**
- **Sent the Latest Newsletter in December**
  - **English (1030) /French (50) /Spanish (122)**
- **Summer activities:**
  - **LARSS student – Amanda Falcone (ES8 vs. SSF)**
  - **Teacher intern – Christine York (team interviews)**

# COAA S'COOL Day



- 17 students + 2 teachers from Taiwan FGHS
- 6 local and US students
- day of learning and fun

# 3<sup>rd</sup> Annual Teacher Workshop



- 24 teachers from 17 states and 2 DOD Schools
- A week *packed* with learning
- Teachers now giving S'COOL Presentations

# SSF Comparison – pre Terra

		Ground			
		Clear	Partly Cloudy	Mostly Cloudy	Overcast
Satellite	Clear	<b>27</b>	<b>2</b>	2	<b>0</b>
	Partly Cloudy	<b>6</b>	<b>10</b>	<b>2</b>	1
	Mostly Cloudy	5	<b>2</b>	<b>11</b>	<b>6</b>
	Overcast	<b>0</b>	1	<b>5</b>	<b>11</b>

Agree: 58      1-class: 23      2-class: 9      3-class: 0

$\chi^2 = 120$  Significance = 1e-19 %

# ES8 Comparison – TRMM only

		Ground			
		Clear	Partly Cloudy	Mostly Cloudy	Overcast
Satellite	Clear	<b>5</b>	<b>2</b>	0	<b>0</b>
	Partly Cloudy	<b>16</b>	<b>4</b>	<b>7</b>	2
	Mostly Cloudy	1	<b>3</b>	<b>4</b>	<b>17</b>
	Overcast	1	1	<b>2</b>	<b>6</b>

Agree: 19      1-class: 47      2-class: 4      3-class: 1

$\chi^2 = 49$  Significance =  $2e-5$  %

# ES8 vs SSF: Direct Comparison

26 Direct Matches		Ground			
		Clear	Partly Cloudy	Mostly Cloudy	Overcast
Satellite	Clear		/		
		↓ ↓ ↓ ↓	↑ ↓		
	Partly Cloudy			/	
			↑	↑	↑
	Mostly Cloudy				
				↓	↑ ↑ ↑ ↓
	Overcast			///	



# ES8 vs SSF: Summary

- Only 26 direct matches pre Terra
- Definite trends in satellite ID
  - Clear -> Partly cloudy
  - Overcast -> Mostly cloudy
- Now pursuing operational ES8 -> S'COOL
- Full report on-line:  
<http://asd-www.larc.nasa.gov/SCOOOL/satsaw.html>

# Other Highlights

- S'COOL shirts



# News

- Spanish poster now available
- French and Spanish brochures now available
- Teacher Ambassadors for S'COOL
  - AMS Annual Meeting
  - West Virginia Teachers Conference
  - Local/regional presentations

# Foreign Language Outreach

- New Spanish Team Member Making Great Inroads
- Beginning outreach to US foreign language teachers



# Upcoming Events

- Version 2 S'COOL Database–Better/faster
- NM and National Bilingual Educators' Meetings, Feb/March
- Sun-Earth Day, March 20, 2002
- Aqua launch, March 24 (?), 2002
- 4<sup>th</sup> annual teacher workshop  
July 17-24, 2002 – expanded to 6 days!



*It's Elementary!*