

sdf user map

map of the users of the SDF public access unix system

2003-2006

Peter Lewyllie

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“who are we going to nuke today?”

the beginning, BBOARD like

```
[0:whereami-0.4/v03> whereami
```

```
whereami v.0.30
```

```
"Finding out your ICBM address..."
```

```
Type HELP for Commands.
```

```
<none> Command: help
```

```
whereami by Peter Lewyllie  
plewylli@sdf-eu.org
```

HELP	help
QUIT	quit
LIST <EXPR>	list (matching
expression)	
GOTO	back to previous menu
GOTO <NUMBER>	select number
GOTO <EXPR>	select first match

```
<none> Command: list belg
```

```
[BE] BELGIUM
```

```
<none> Command: goto belg
```

```
BELGIUM
```

```
<be> Command:
```

```
<be> Command: list fland
```

```
[08] East Flanders
```

```
[08] Province de Flandre Orientale
```

```
[09] Province de Flandre Occidentale
```

```
[09] West Flanders
```

```
<be> Command: goto 09
```

```
Province de Flandre Occidentale
```

```
<be:09> Command:
```

```
<be:09> Command: list brugge
```

```
[-1955473] Brugge (3.2333333,51.2166667) (region 09)
```

```
[-1957522] Eirtbrugge (3.4500000,50.8833333) (region 09)
```

```
[-1959630] Hagebrugge (2.9500000,51.1833333) (region 09)
```

```
[-1964192] Loobrugge (2.7333333,50.9833333) (region 09)
```

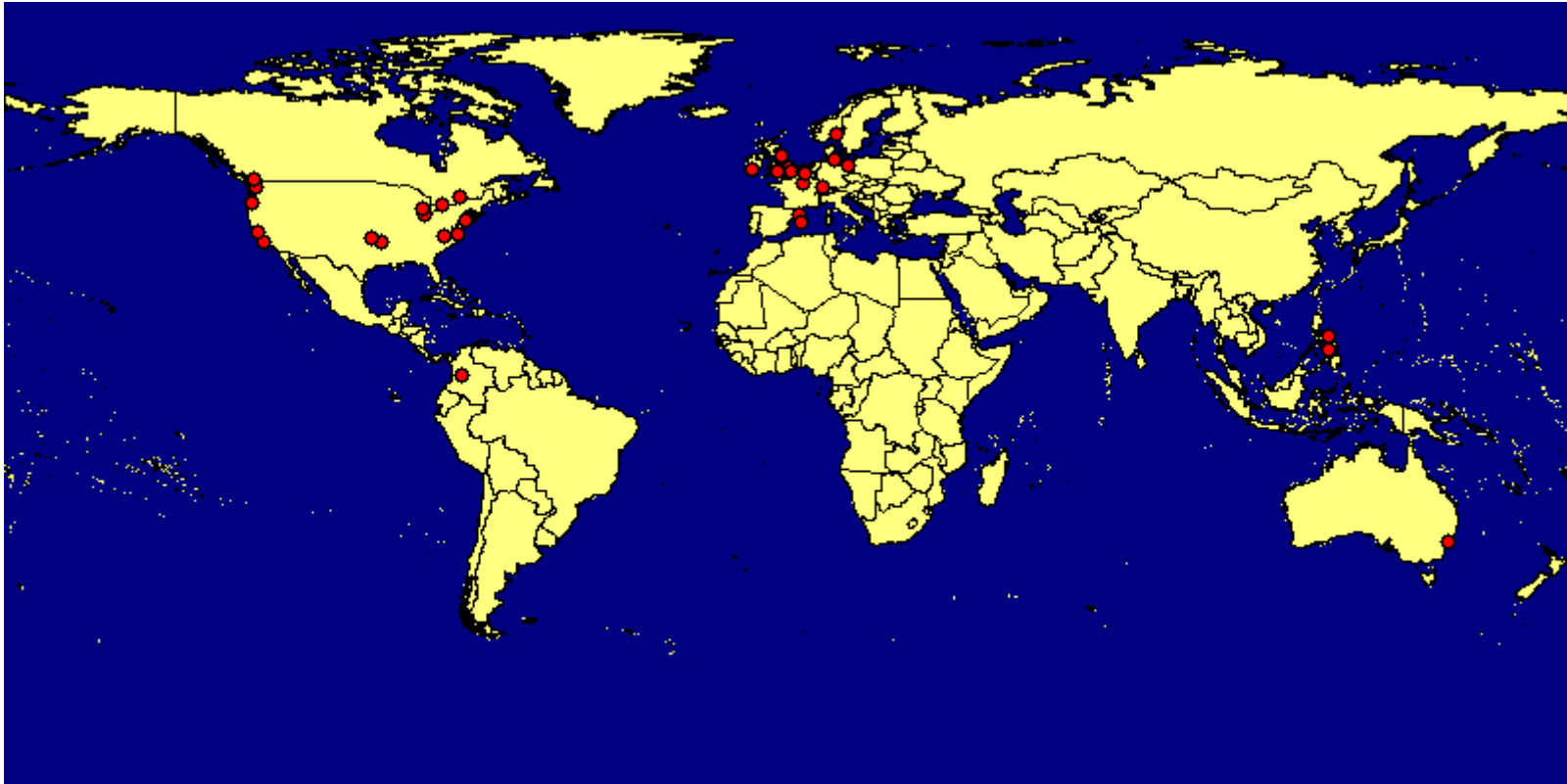
```
<be:09> Command: goto brugge
```

```
(3.2333333,51.2166667) Brugge in BELGIUM:09
```

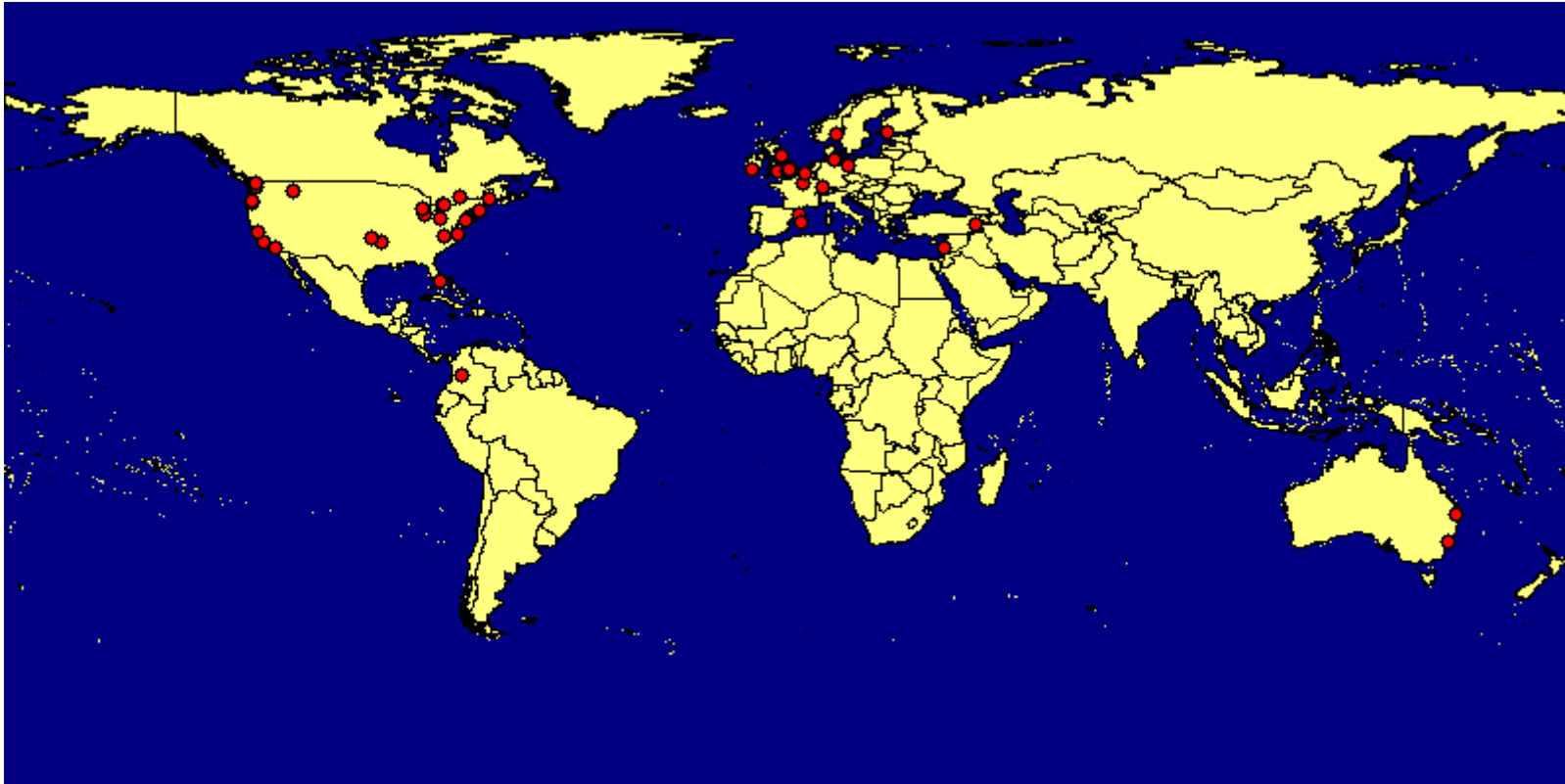
```
are you sure? Y/[N] y
```

```
Brugge in BELGIUM selected.
```

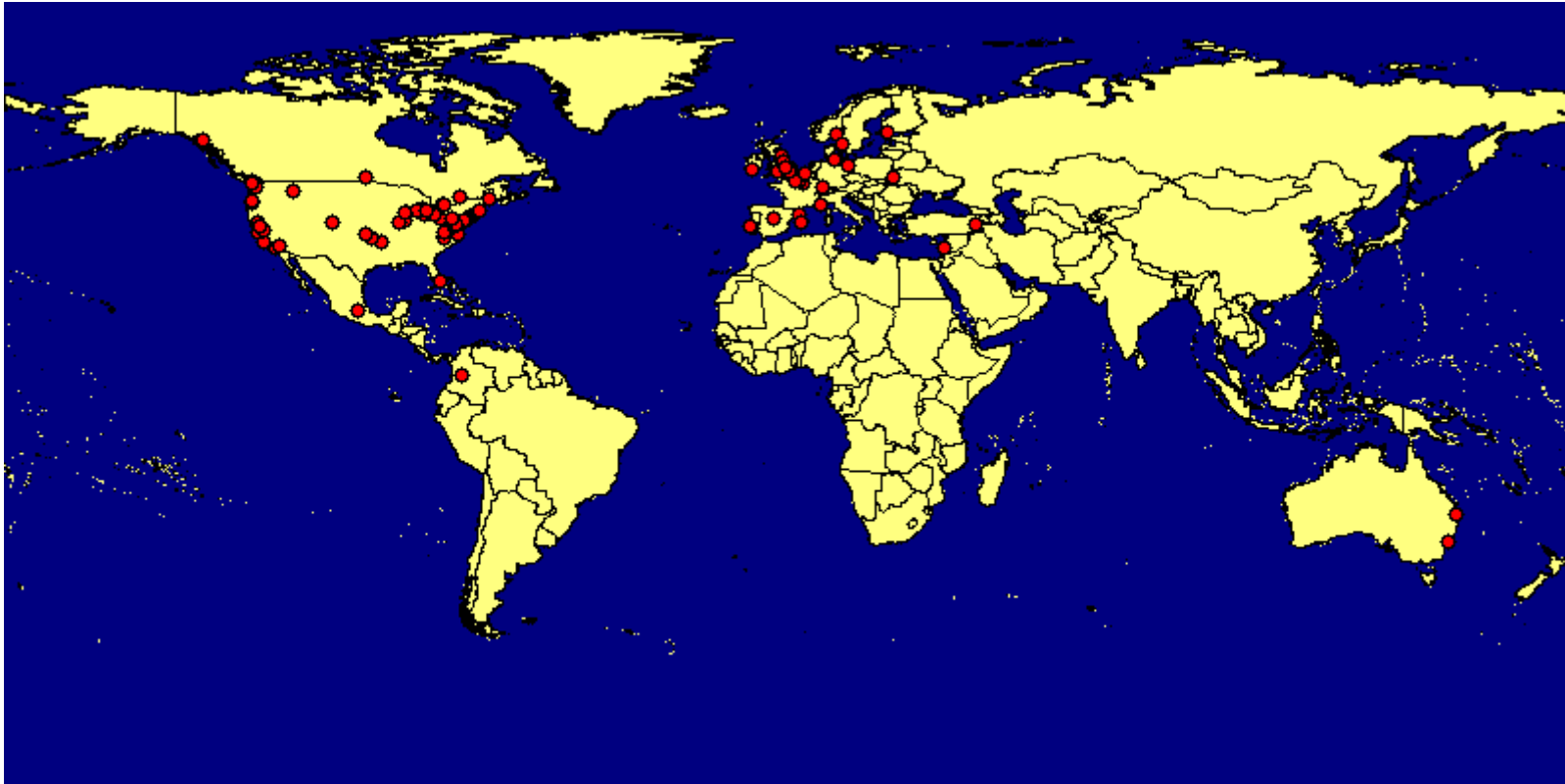
02/05/2003: 0041



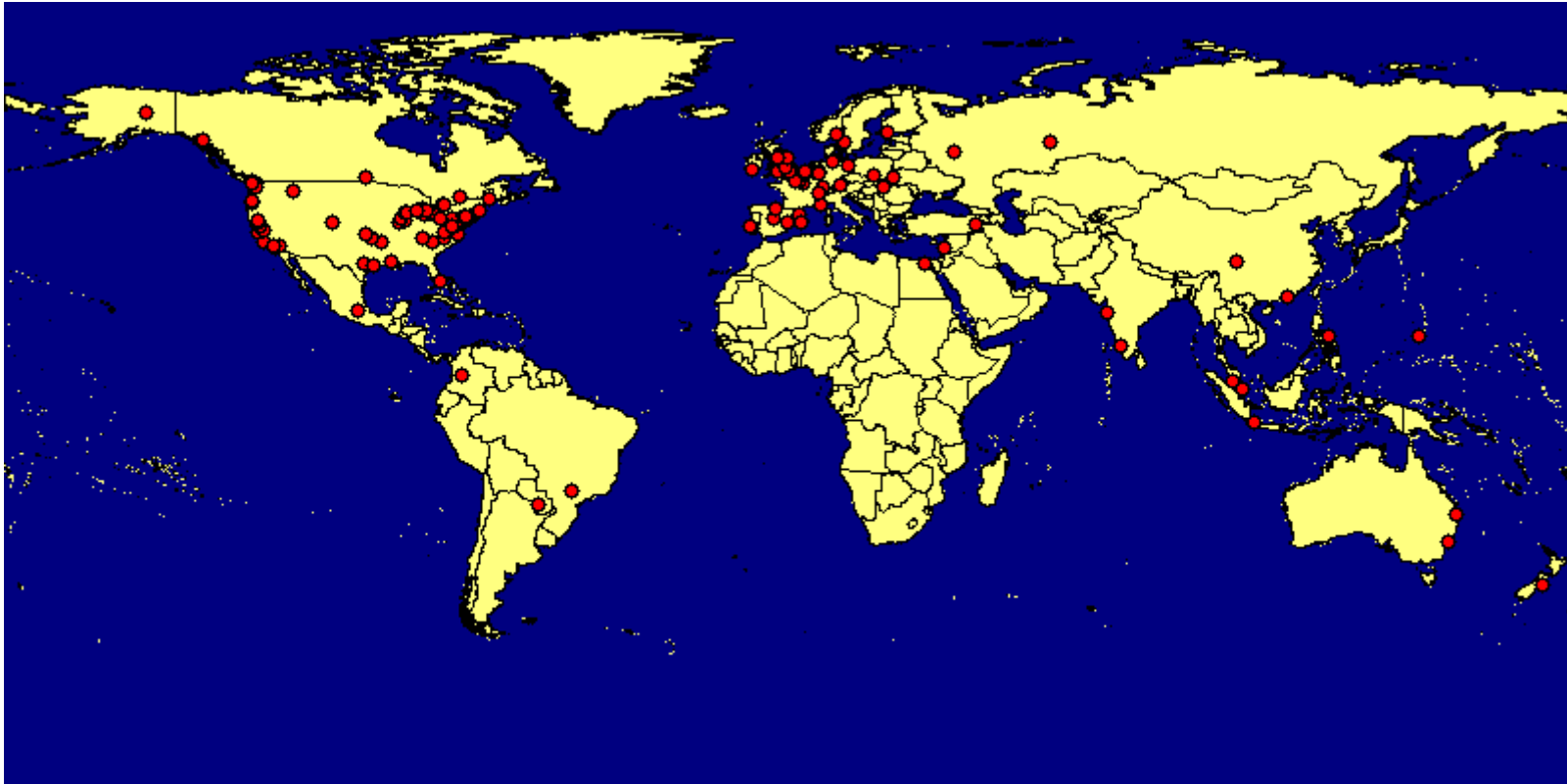
03/05/2003: 0052



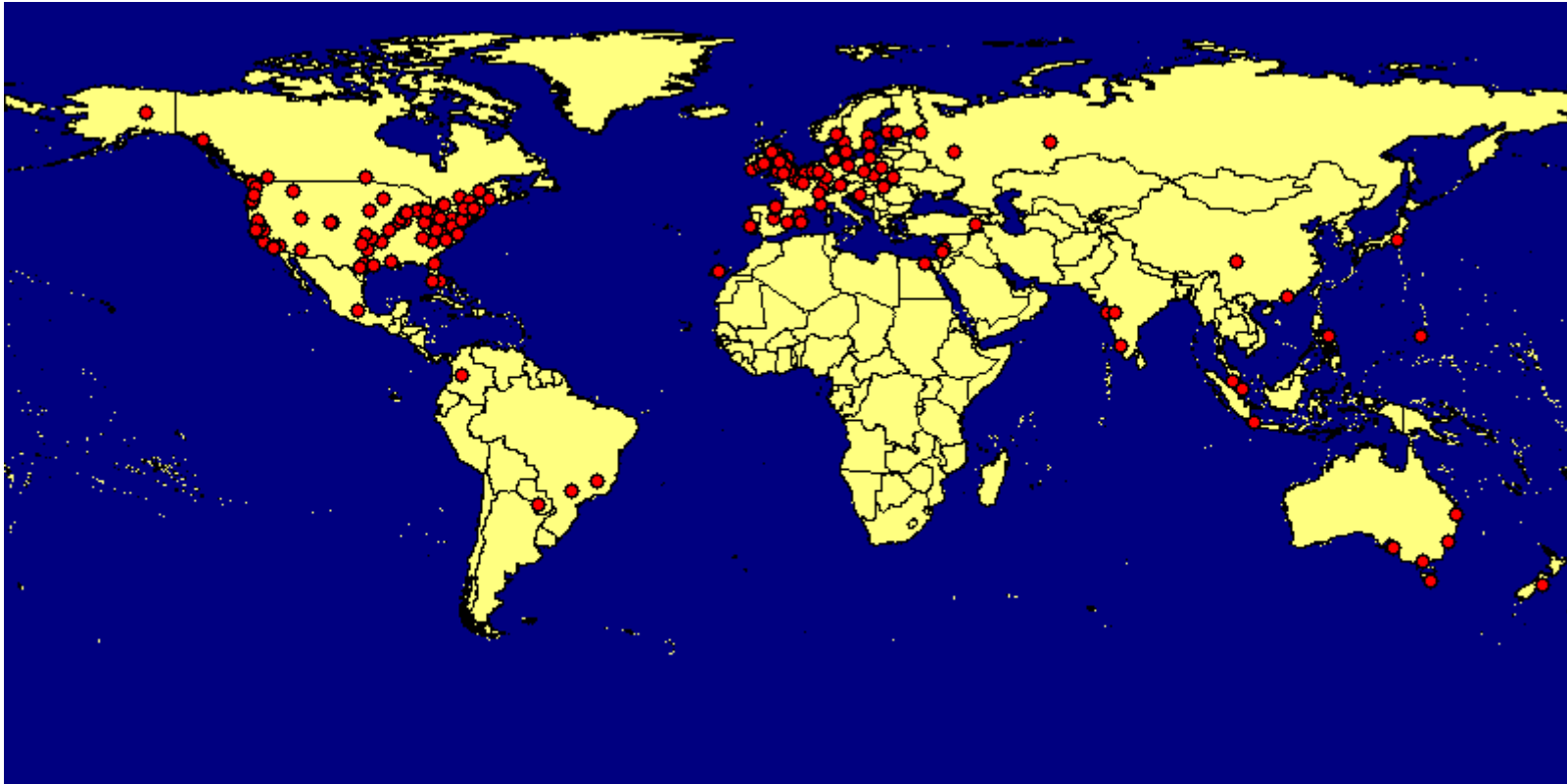
13/05/2003: 0097



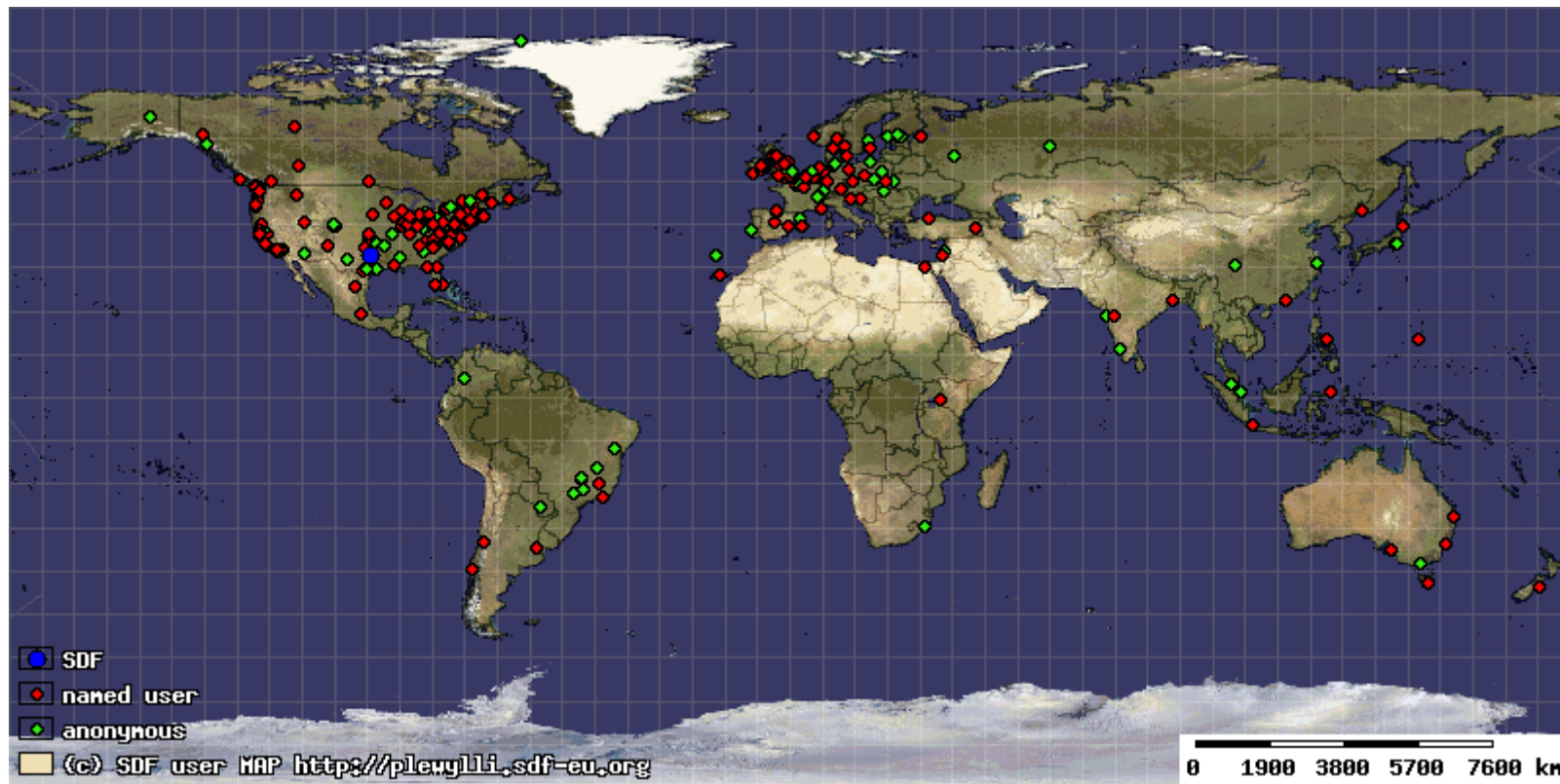
18/05/2003: 0145



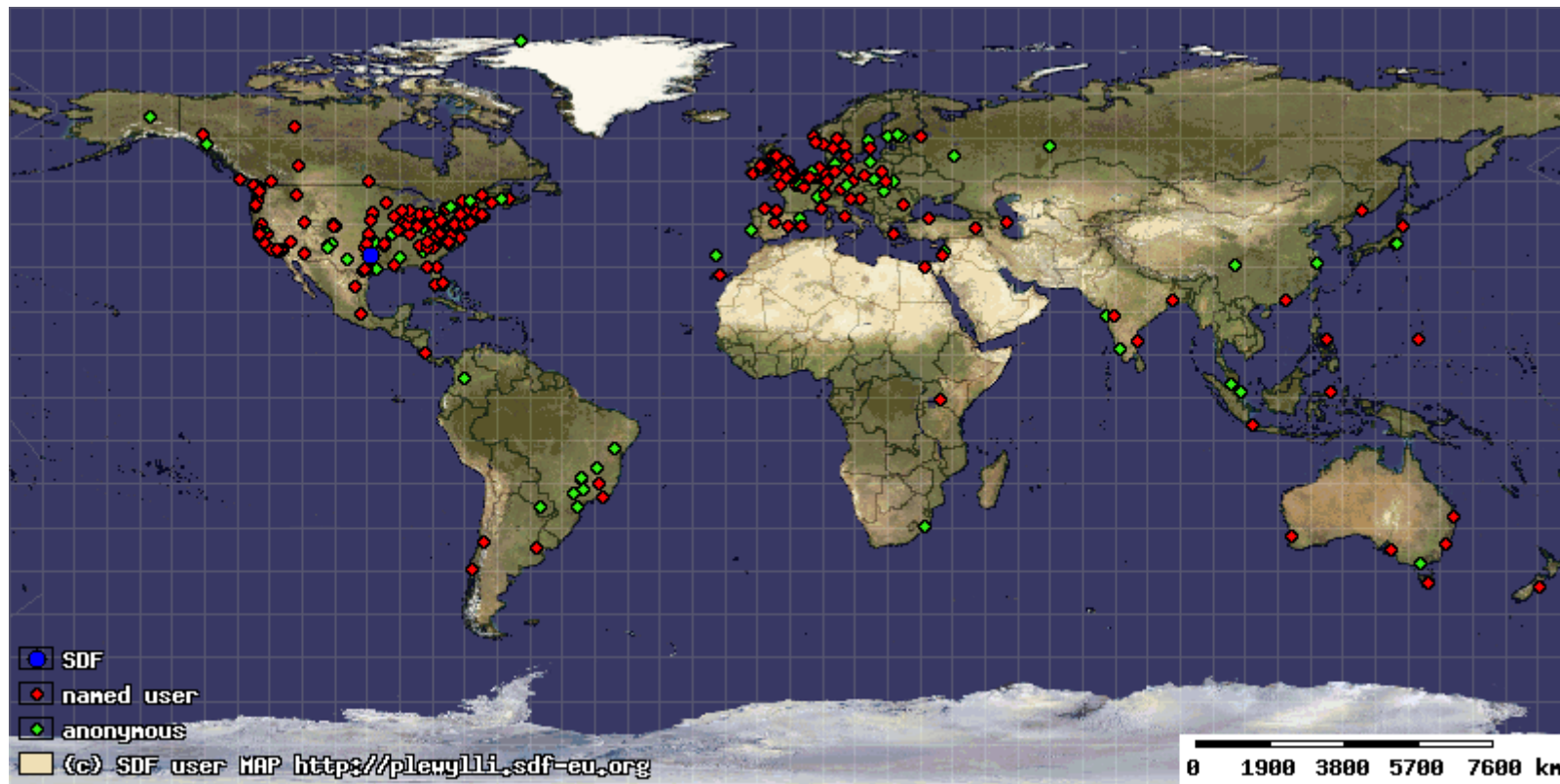
02/06/2003: 0221



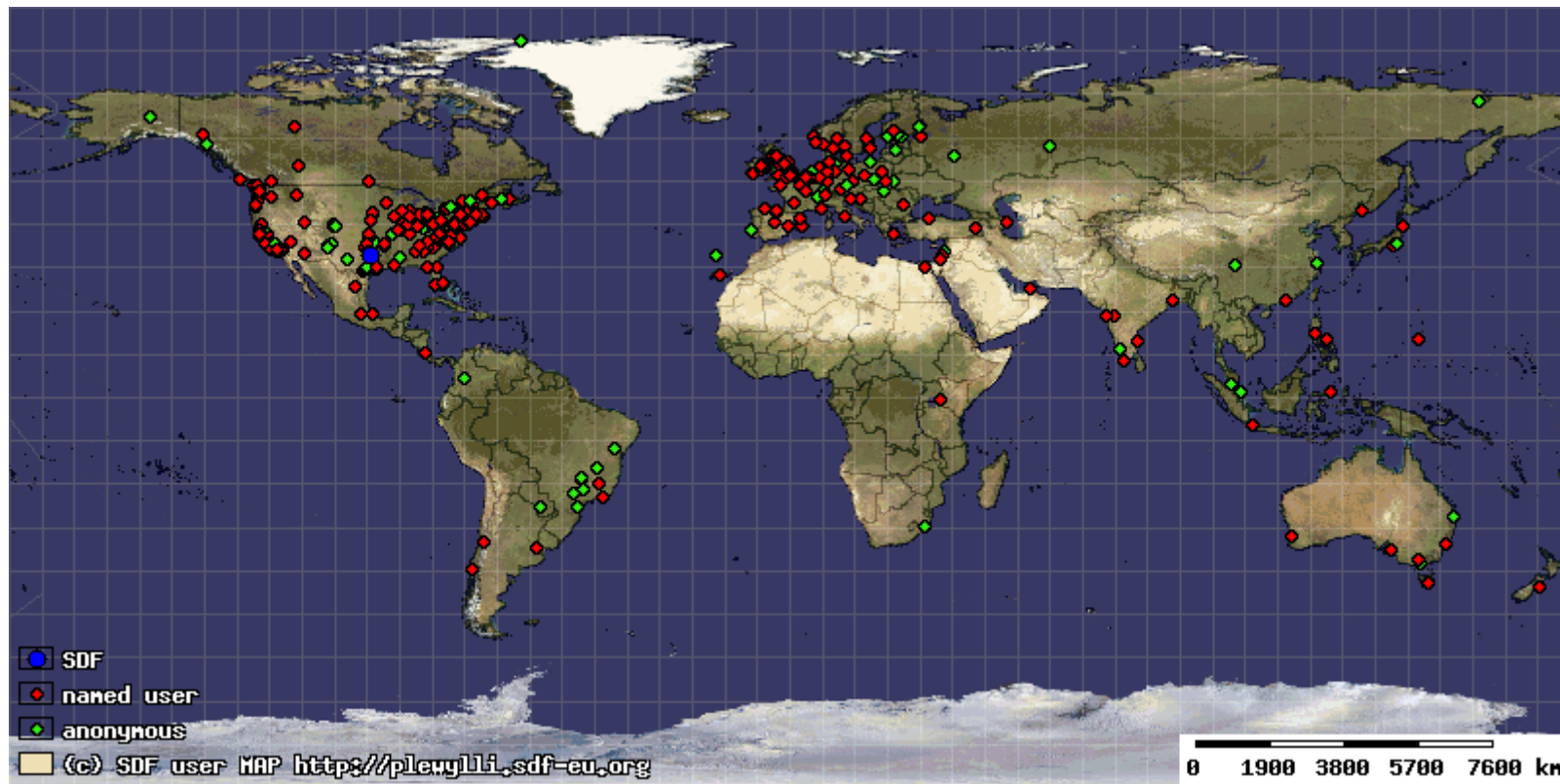
26/06/2003: 0321



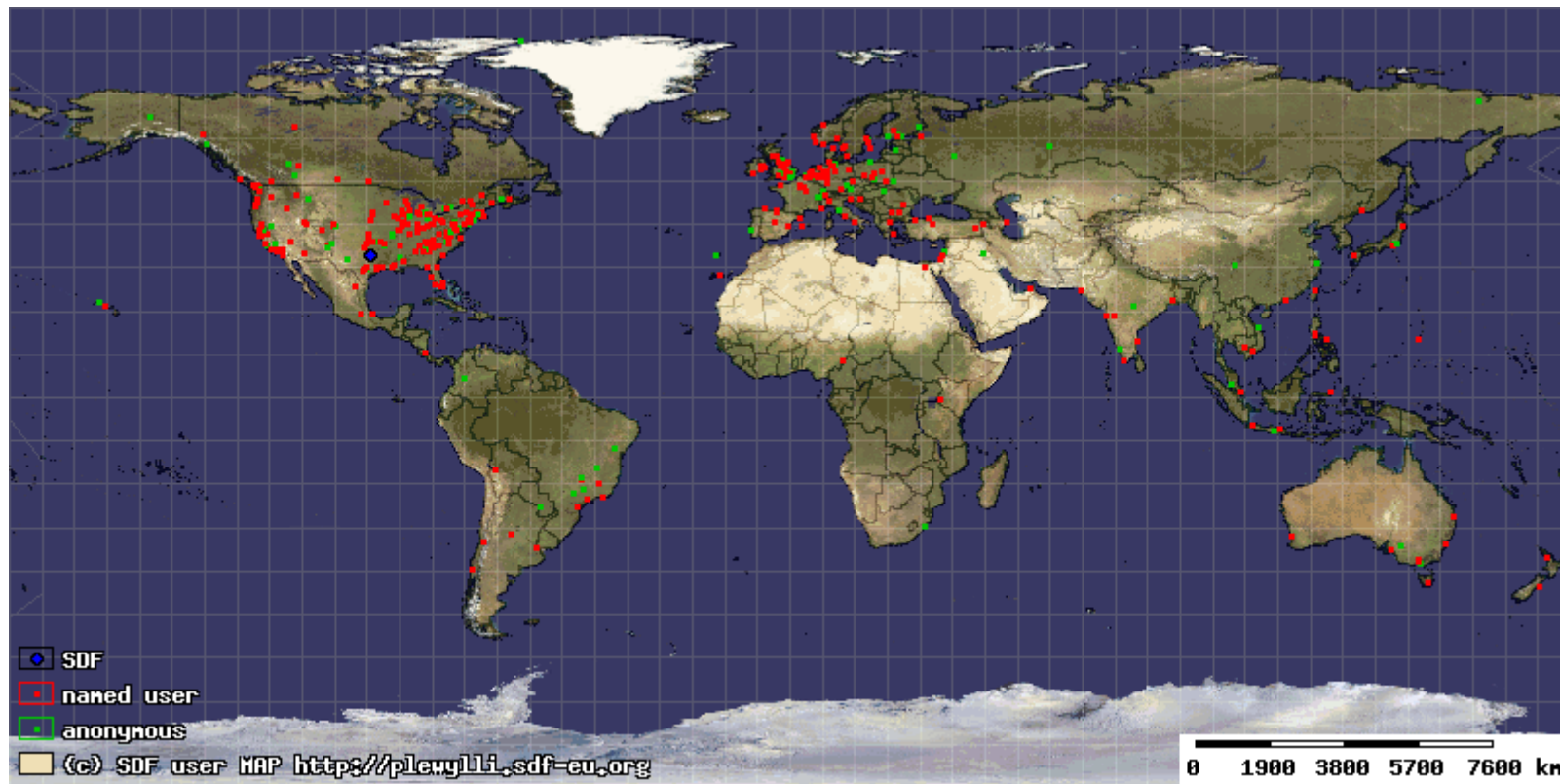
18/07/2003: 0375



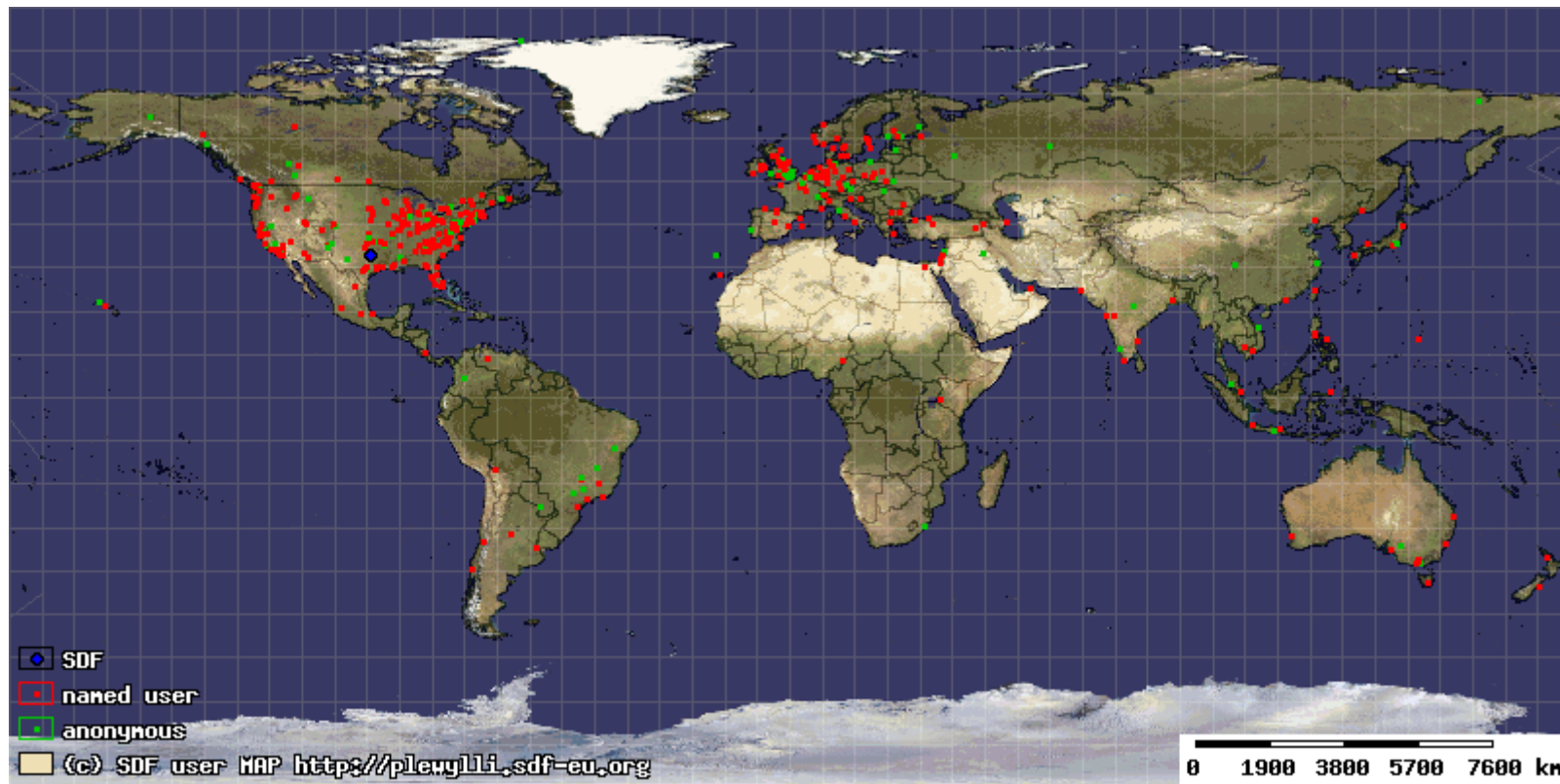
04/08/2003: 0419



04/11/2003: 0568



01/01/2004: 0657



april's fool

Date: Thu, 1 Apr 2004 12:26:07 +0700
From: Timothy Brown <tbrown@freeshell.org>
To: plewylli@sdf-eu.org
Subject: SDF user mapping

Hello Peter,

I was looking at your SDF user map. It pretty cool. However I was unable to add myself.

My current address is

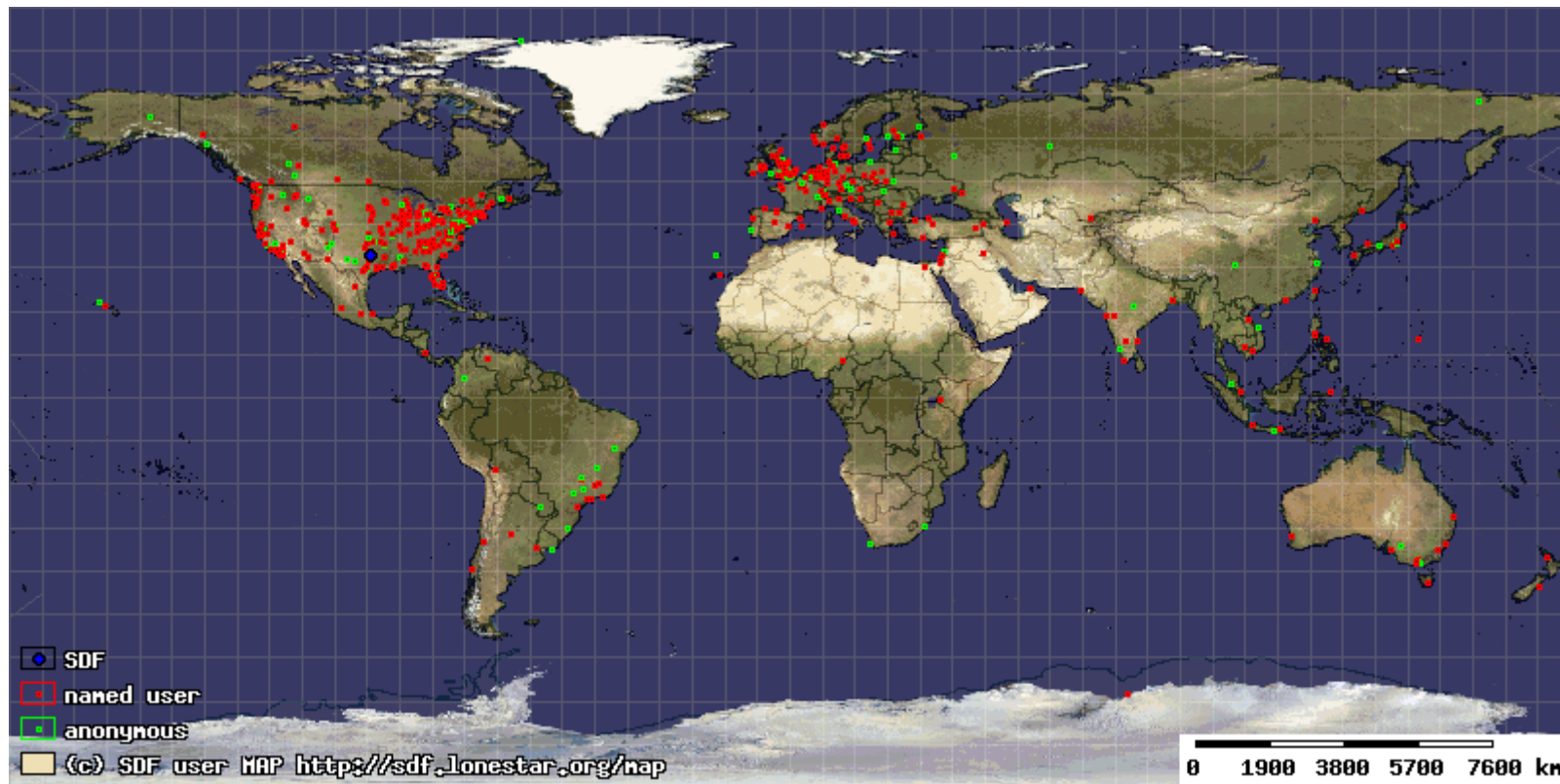
Davis Station
Antarctica

Latitude: 77°58'21"E
Longitude: 68°34'36"S

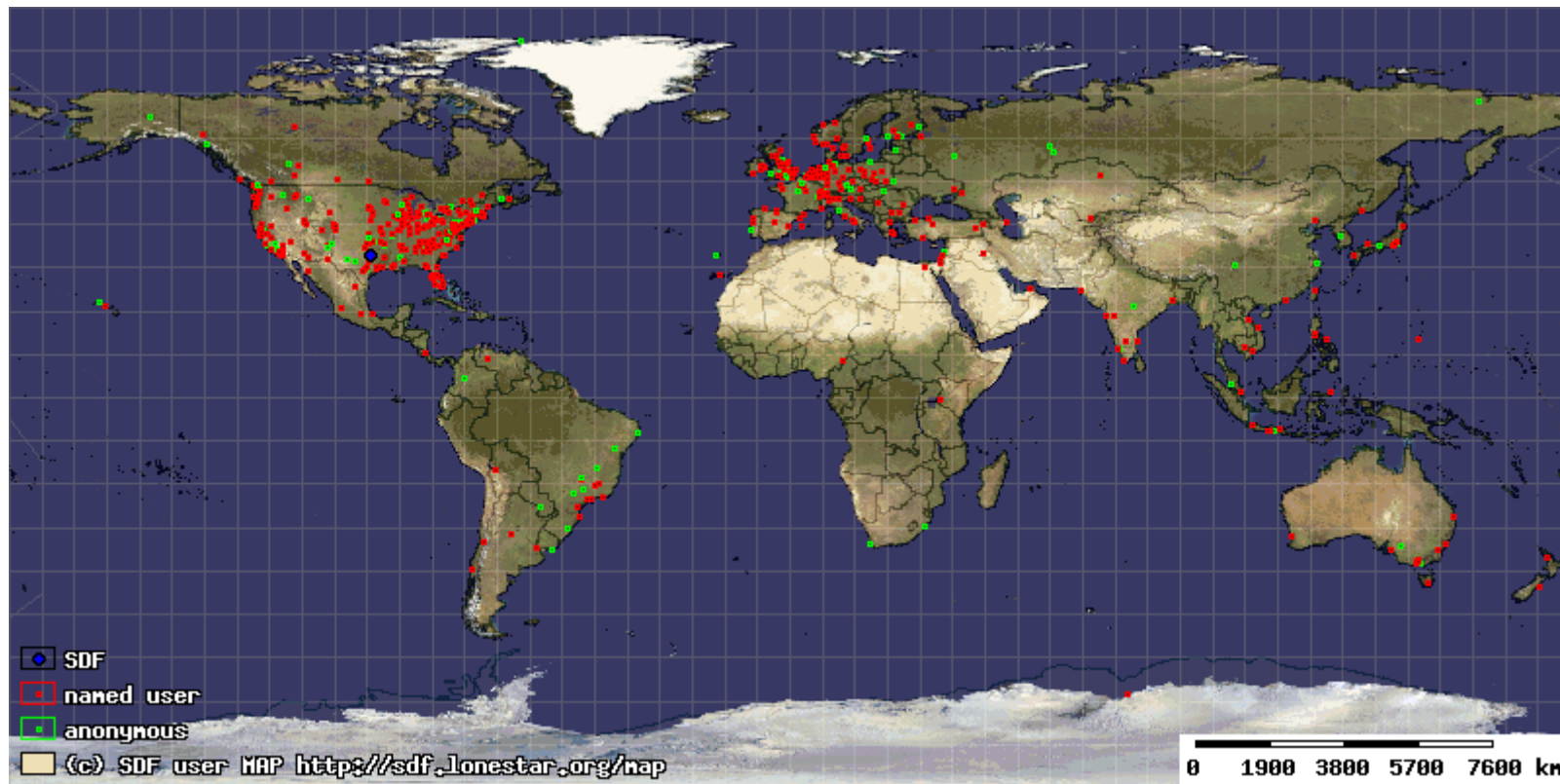
What are the chances of getting Antarctica added? :)

Thanks.
Timothy Brown

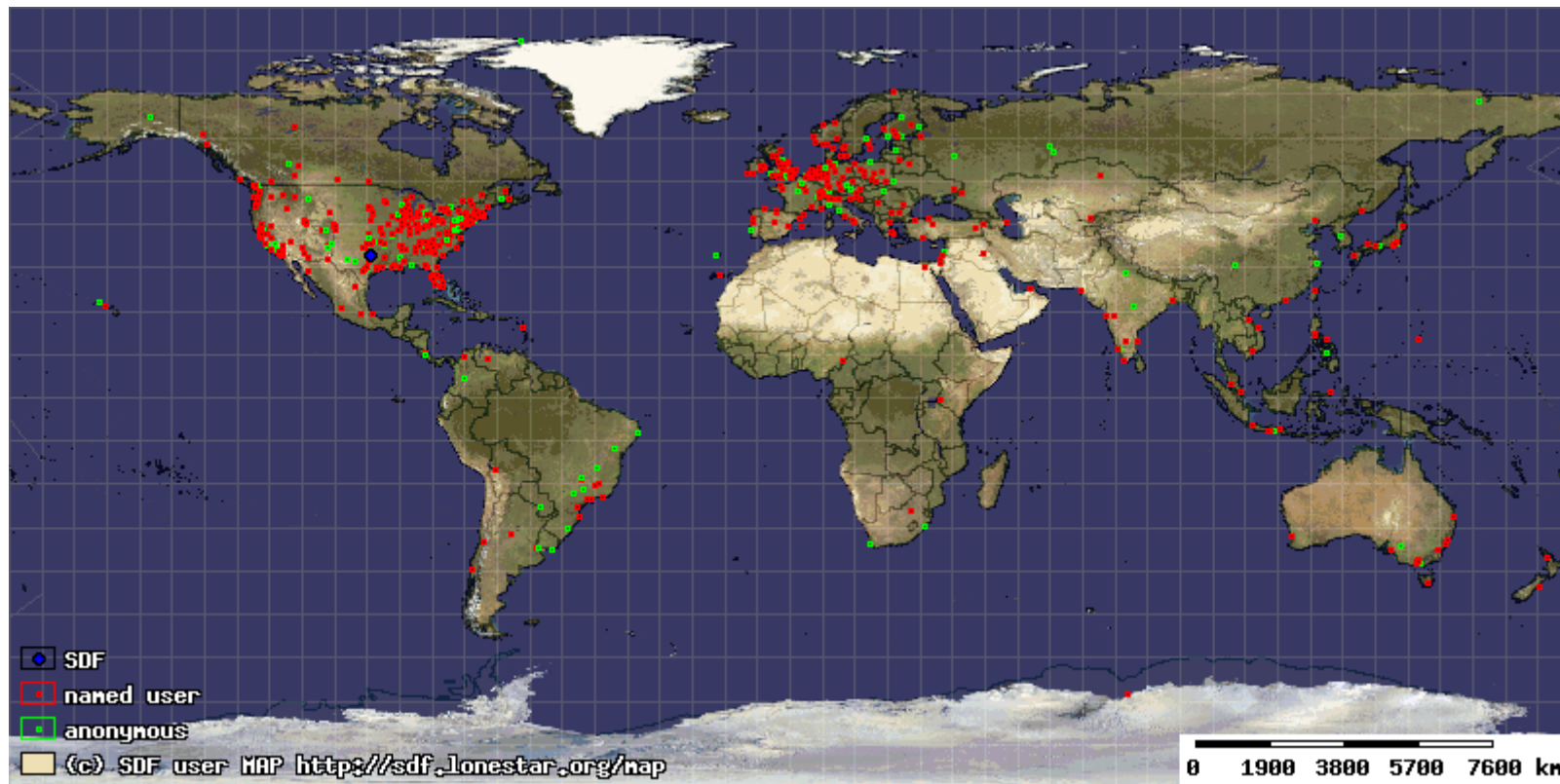
02/04/2004: 0770



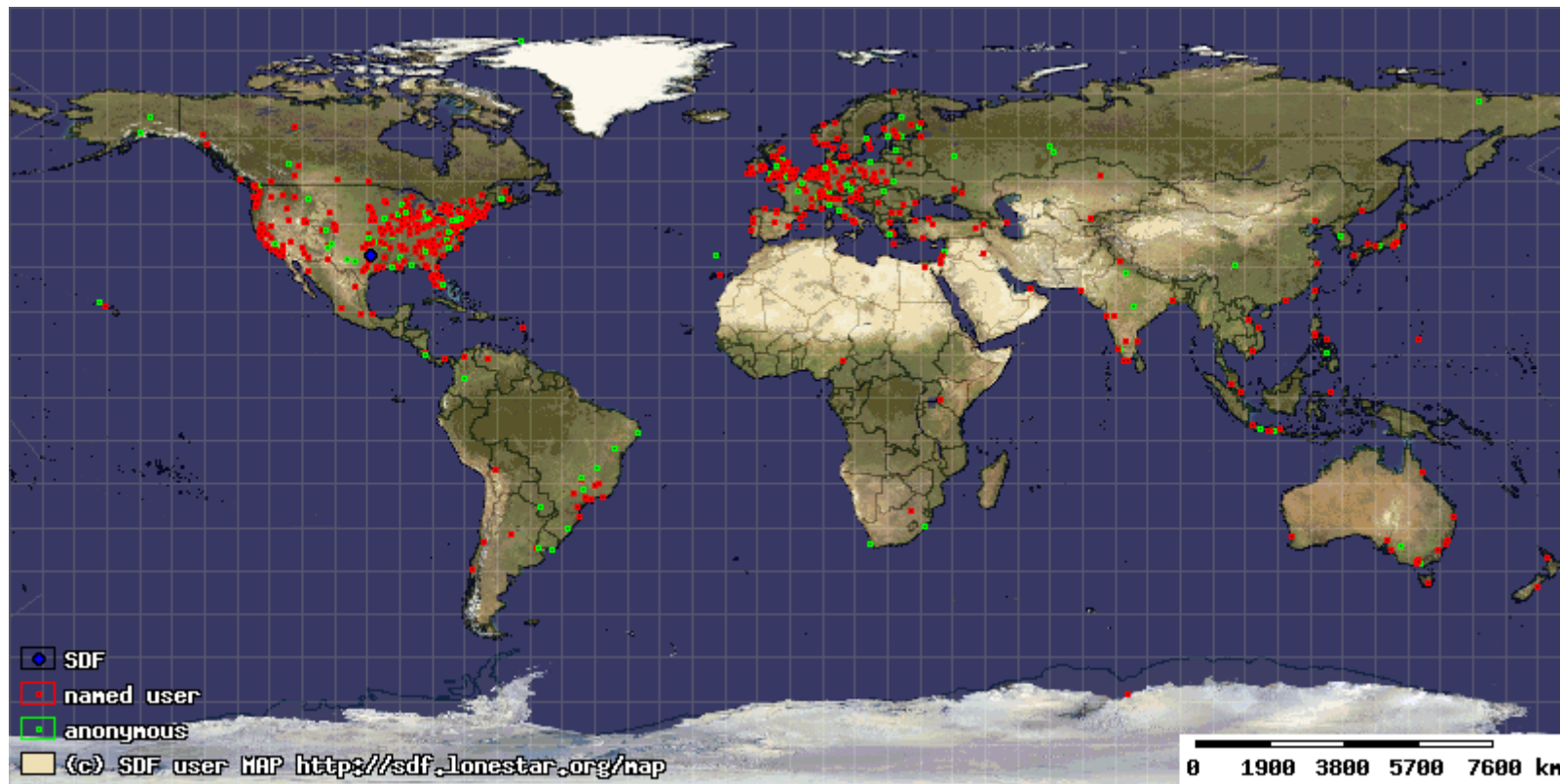
04/07/2004: 0900



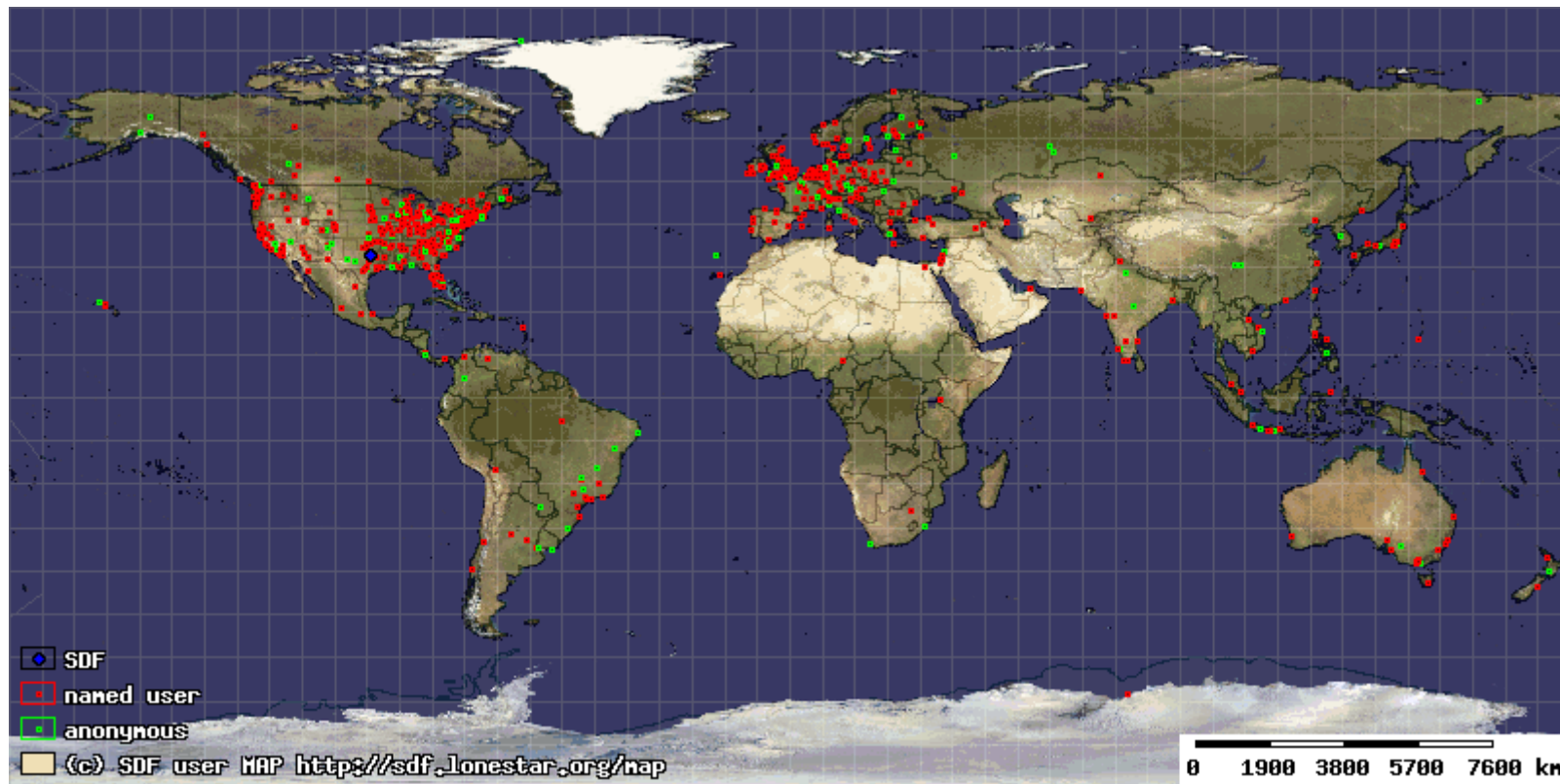
30/10/2004: 1012



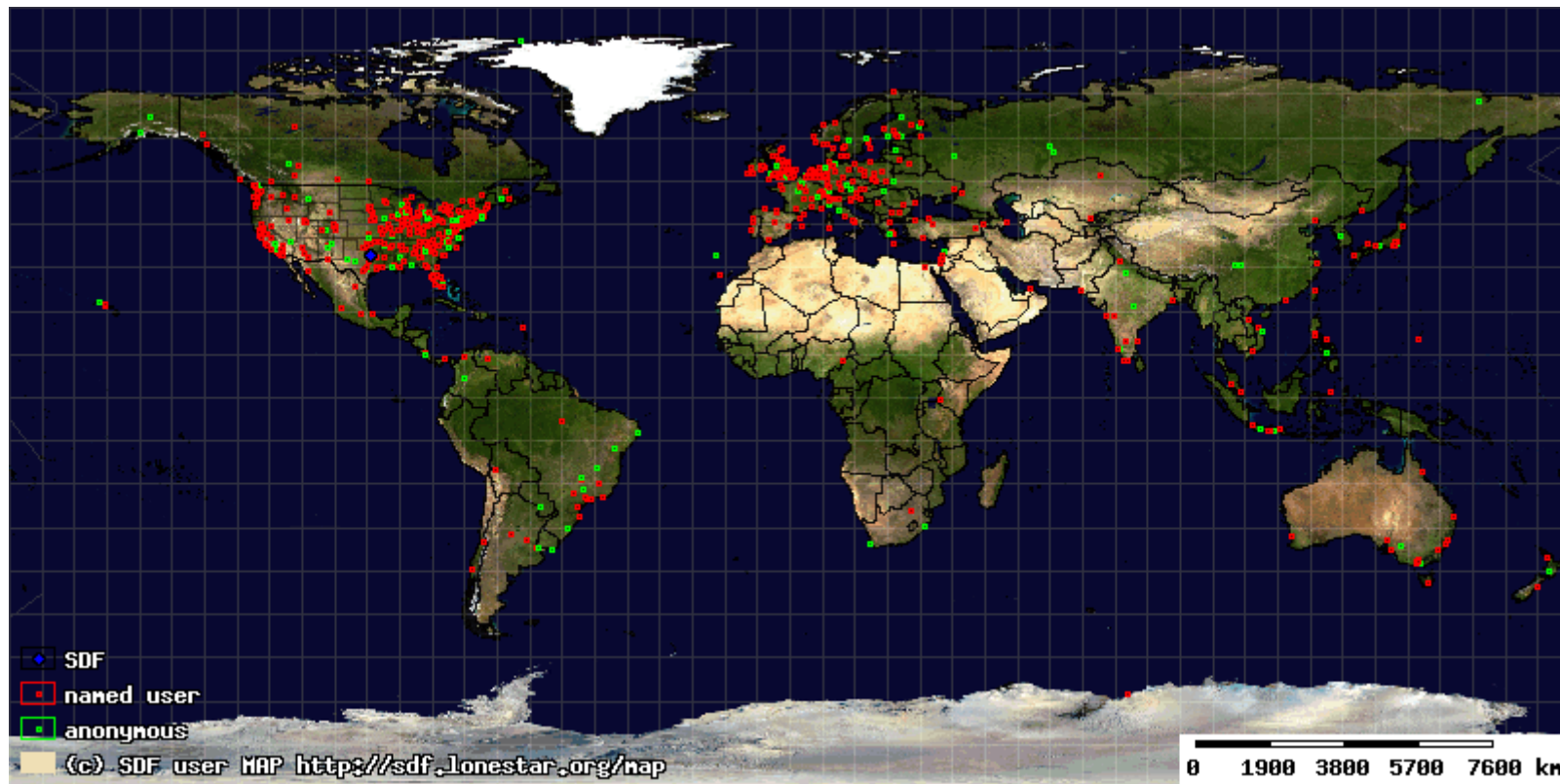
01/03/2005: 1118



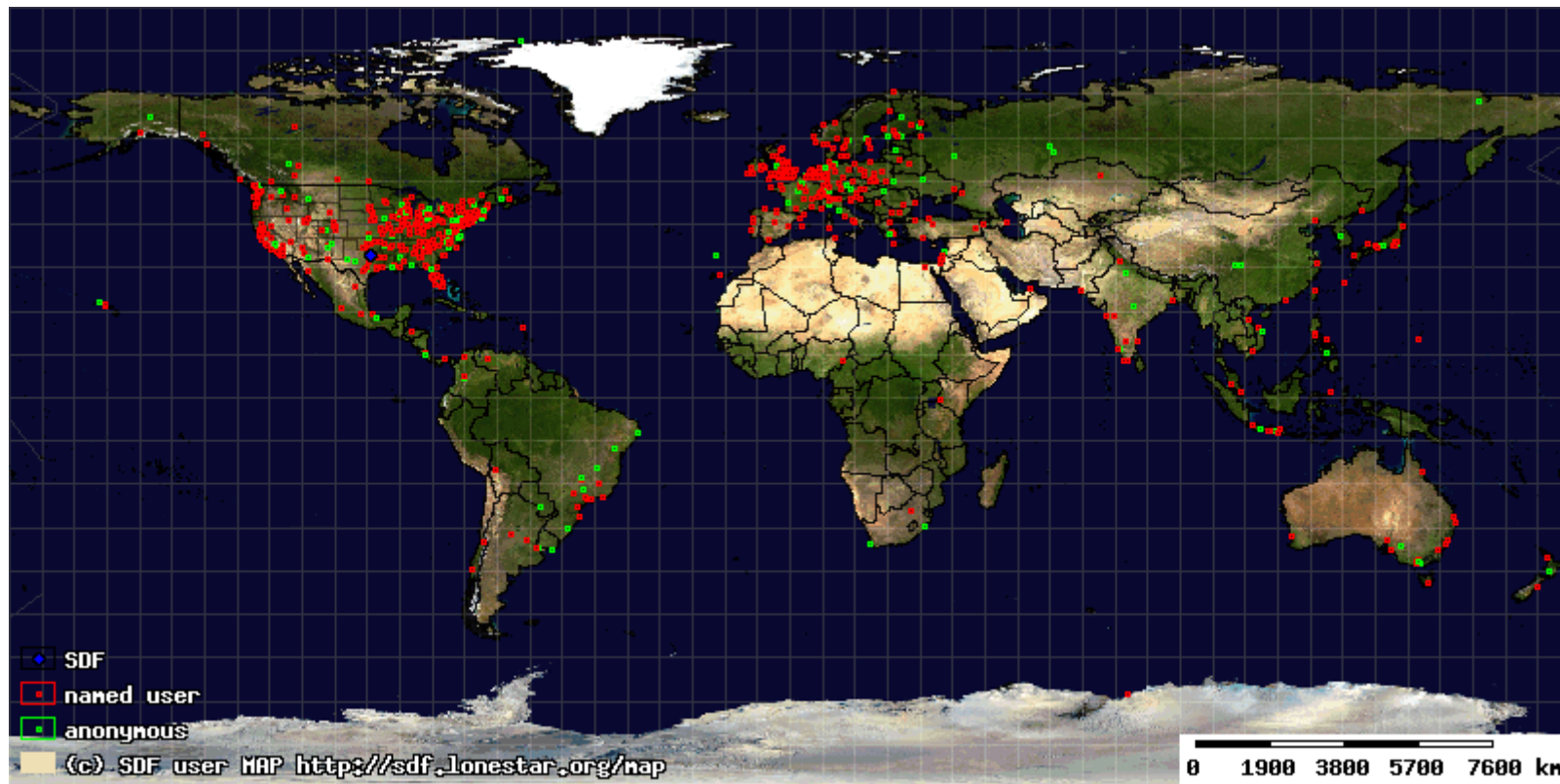
01/08/2005: 1217



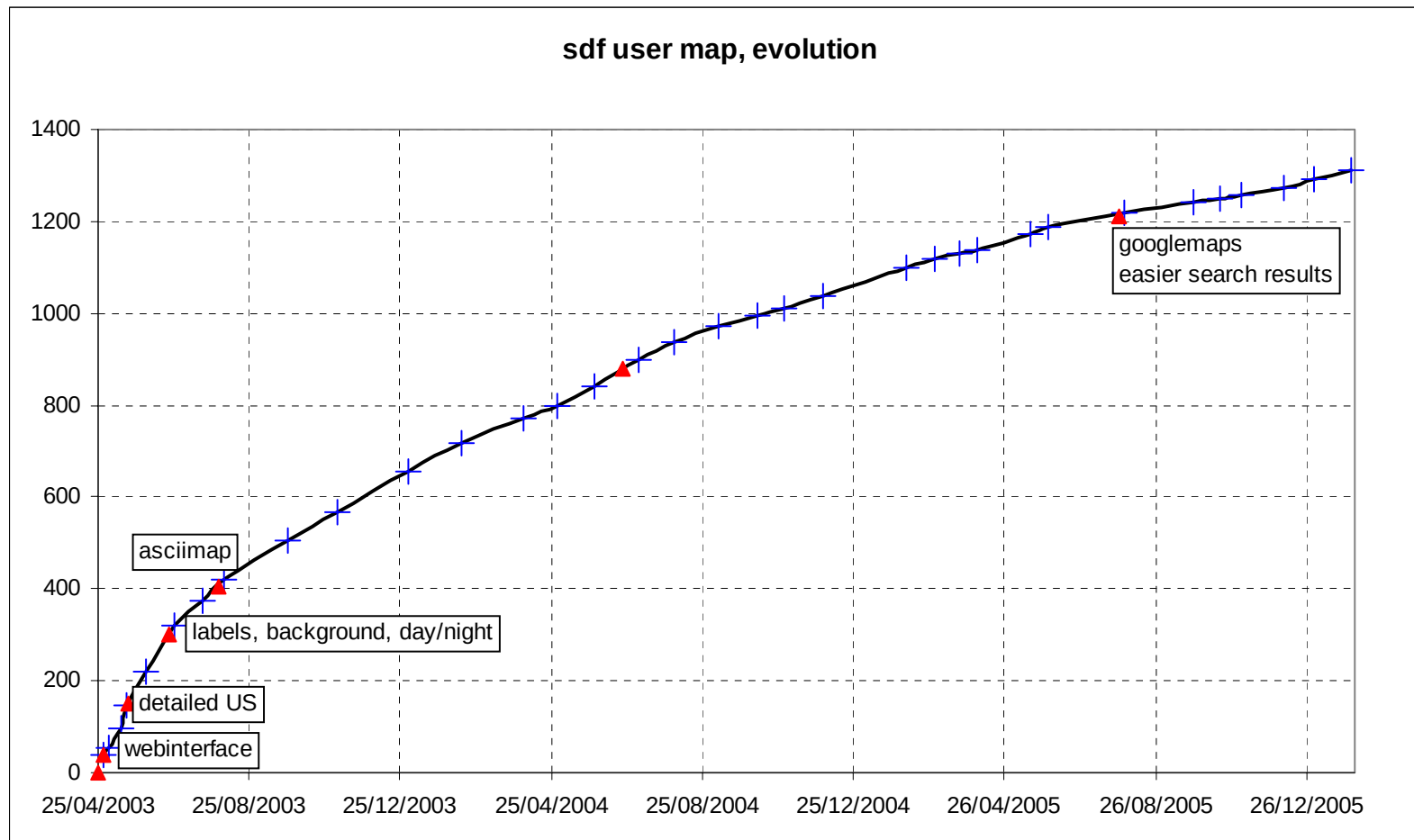
01/08/2005: 1217



31/01/2006: 1311

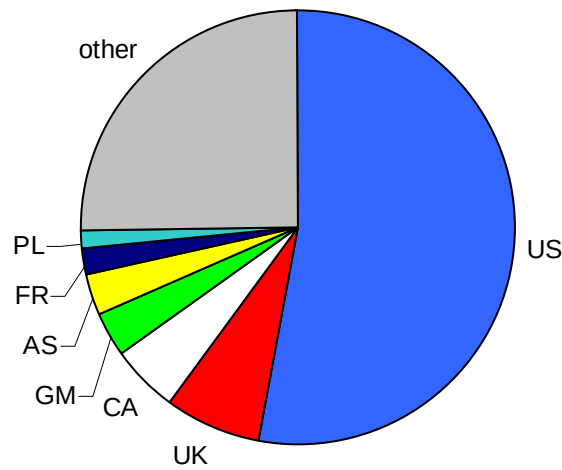


steady growth



country “pissing contest”...

73 countries, 1311 users



asciimap

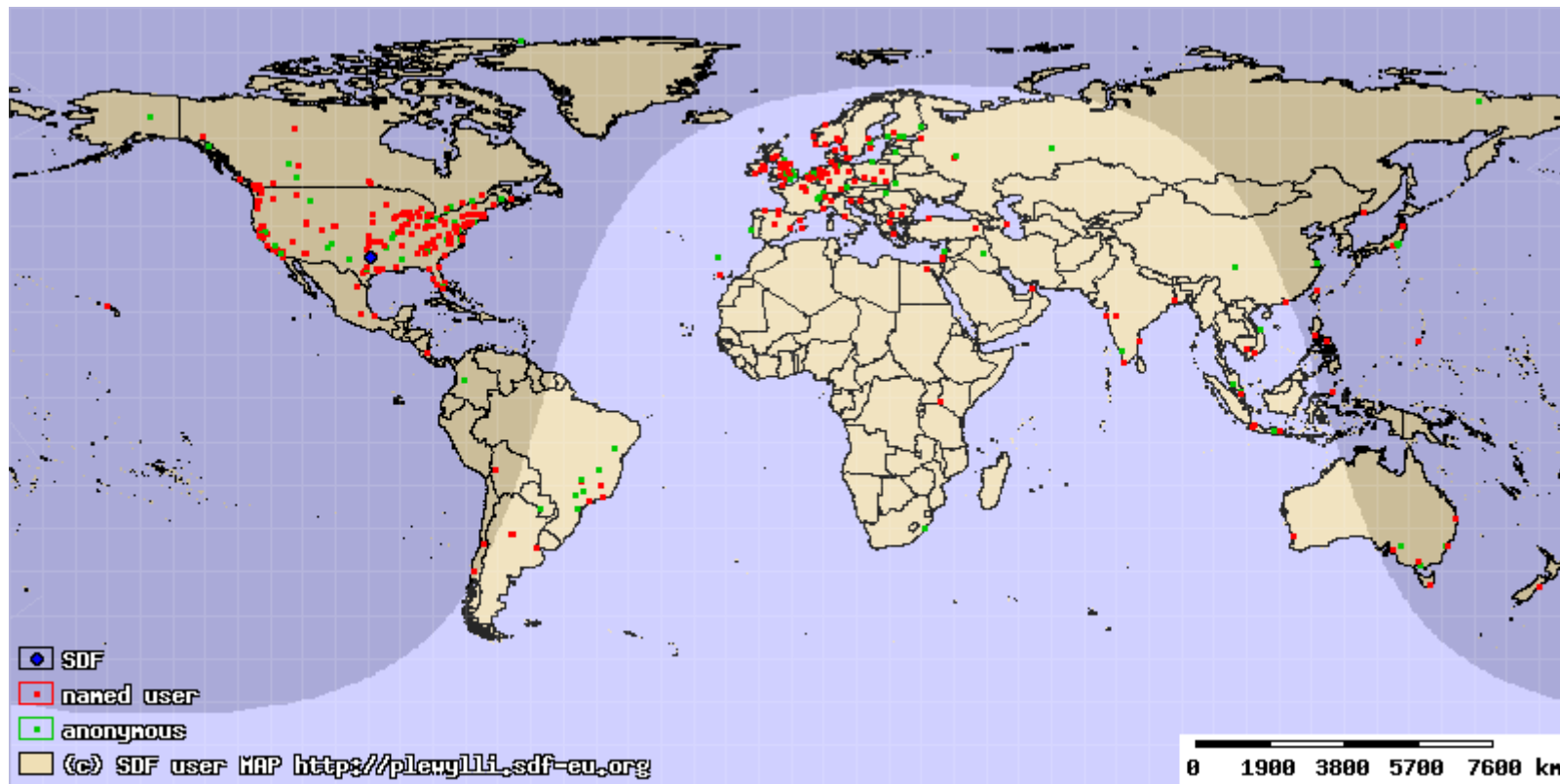
```
(c) SDF user MAP, http://plewylli.sdf-eu.org

      .-.-.-.-.
      /  _-\ ' ' | ~\ ~      ~/      ; -' _  _-'      ' ; -i _      ~~-
 / ~~- \ _/ -' ~' - -' \ ~ ~ | ' ,      / '      /  ~ | - _ \ _/ ~/ ~      ~ ~ - - - ~ ~ ~' _ _ -
 /      / ' - / ~ ' \ , ' _      , ' | , ' | ~      . _/ - , / ~
 ~/ -' ~ \ _ ,      ' - , | ' | . ' ~      , \ / ' ~      /      / _      / ~
 . - ~      ' |      ' ' , \ ~ | \      _ x ~      , _      /      / | \
      \      / ' ~      | _/ ~ \ \ , - , ~      \ "      , _ , /      |
      |      /      . - - ~ ' \ _ _ ~ |      \ ) /
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      |      /      -'      /      '
      /      '      ~
      ' , |      ~
      ~ '

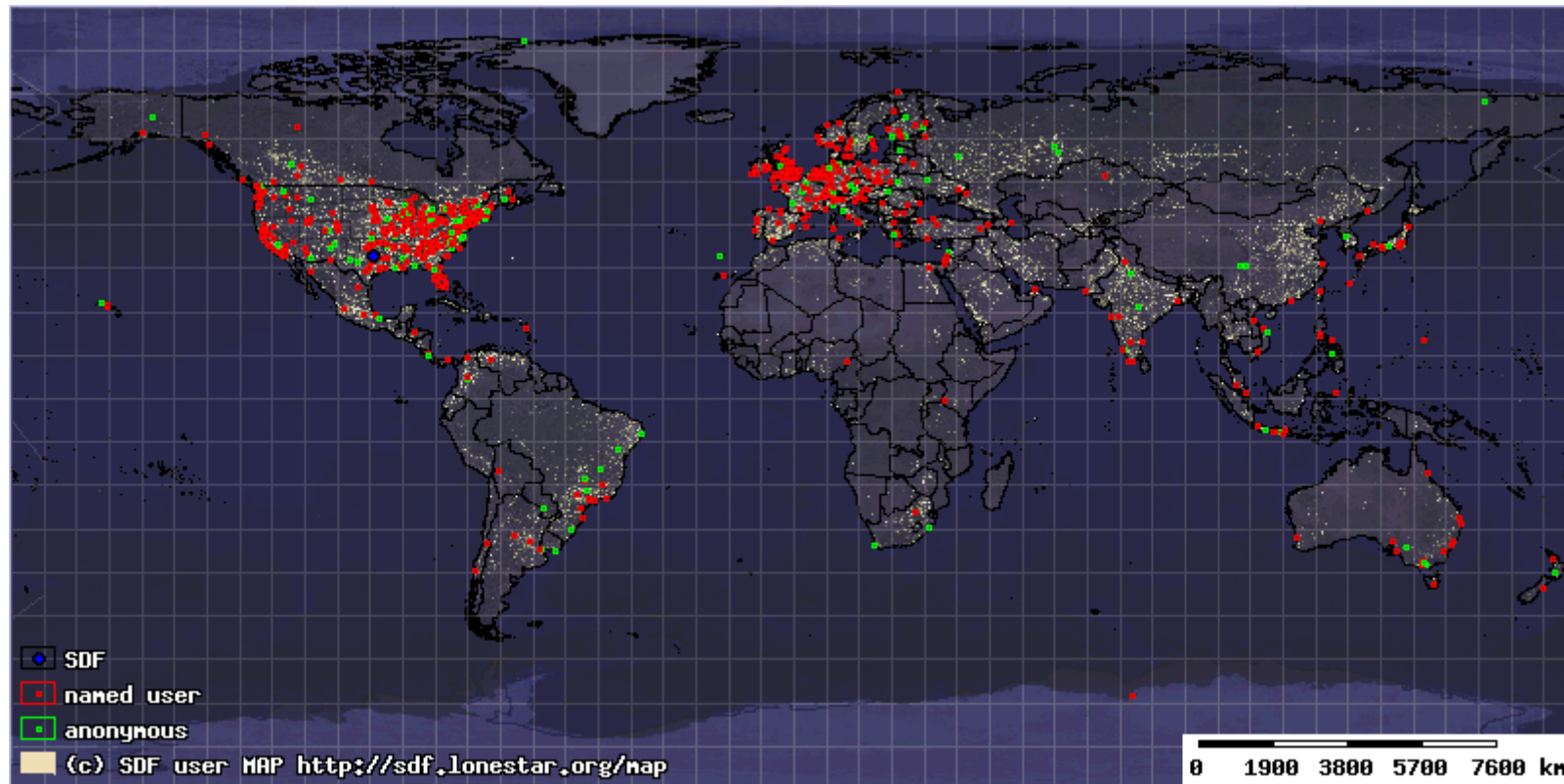
-0.166667W 51.4833N: poff in South Kensington, uk
```

-0.166667W 51.4833N: poff in South Kensington, uk

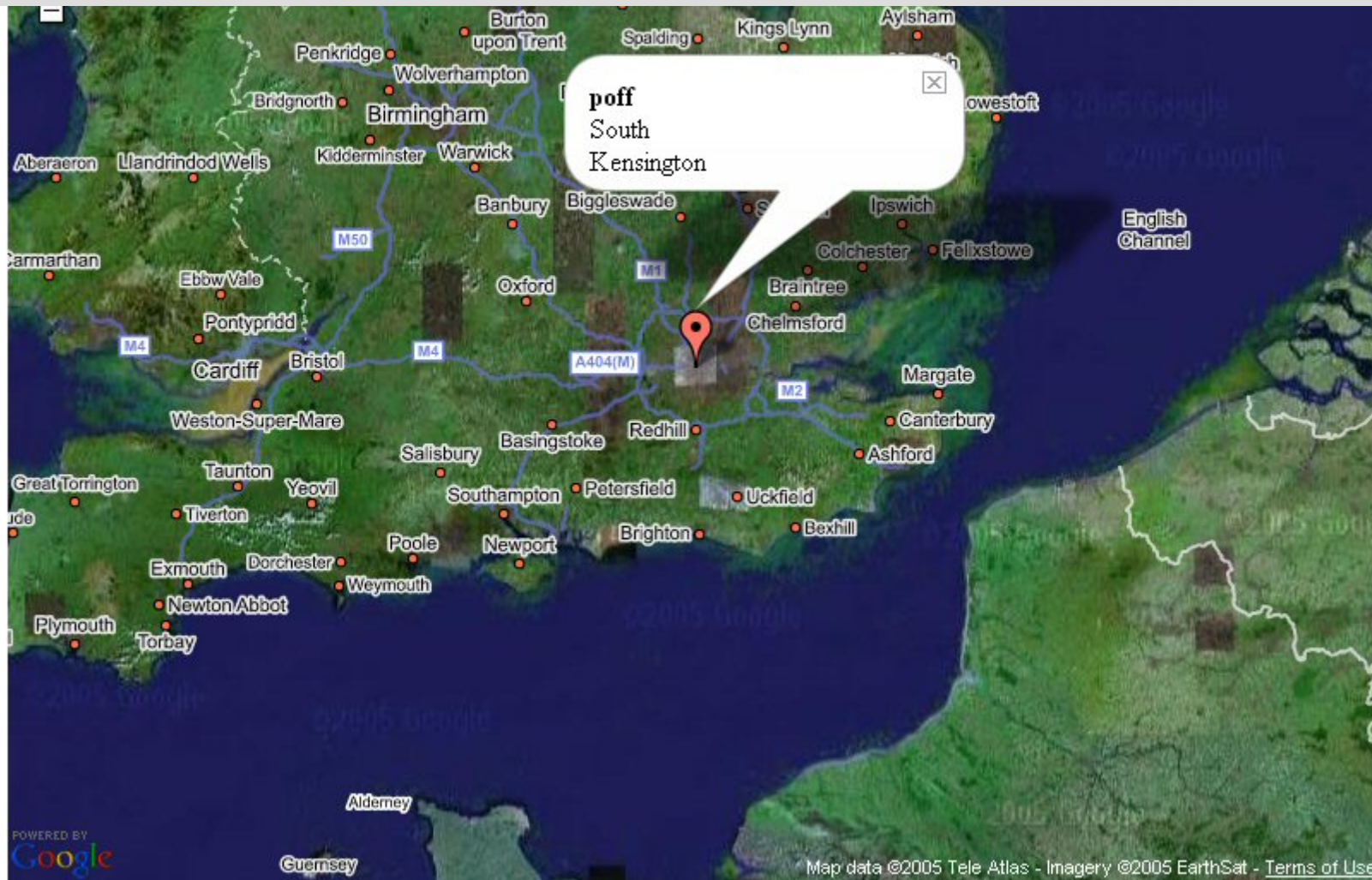
day/night terminator



night background



google maps



whereami selection

- all 251 countries have their long-lat-city-data in a separate gzipped file => 49MB
 - whereami.cgi does a *zcat* of the .gz file and searches for matching results with *awk*
 - each city has its own, unique ID in the database, which is used for the final selection
 - final selection added to a simple plain text user-database
 - new shapefile with user-coordinates is created
- => it's all a bit makeshifty and fly-as-we-go ☺

mapquery wrapper

- filters and sanitizes the requests
- passes request on to mapserver or prints an asciimap
- handles username lookups and user queries in database
- cleans up when nearing quota limit again

html template

- `<form method="GET" action="/mapserv.cgi">`
- `<input type="hidden" name="imgext" value="[mapext]">`
`<input type="hidden" name="img.x" value="[center_x]">`
`<input type="hidden" name="img.y" value="[center_y]">`
- `<input type="image" name="img" src="[img]" height=[mapheight] width=[mapwidth] ismap>`
- `<select name="zoom" size="1">`
 `<option value="10" [zoom_10_select]> Zoom in 10 times`
 `<option value="2" [zoom_2_select]> Zoom in 2 times`
 `<option value="1" [zoom_1_select]> Recenter Map`
 `<option value="-2" [zoom_-2_select]> Zoom out 2 times`
 `<option value="-10" [zoom_-10_select]> Zoom out 10 times`
`</select>`
- `<input type="radio" name="mode" value="browse" checked><b> Browse Map</b><br>`
`<input type="radio" name="mode" value="query"><b> Query Users</b><br>`
- `<input type="checkbox" [SEARCH_check] name="layer" value="SEARCH"> show / find a specific user:<br>`
`<input type="text" name="user" value="">`
`<input type="submit" name="mode" value="search">`
- `<input type="checkbox" [..._check] name="layer"`
`value="USERS/CITY/CNTRY/TERM/HEIGHT/LIGHT/NONE"> ...<br>`
`<input type="submit" name="mode" value="refresh">`

map template

NAME WORLD_MAP

EXTENT Left Down Right Up

EXTENT -180 -90 180 90

SIZE 800 400

IMAGETYPE PNG

IMAGECOLOR 200 200 255

FONTSET "fonts/fonts.list"

SHAPEPATH "GIS/thereami/"

UNITS DD

WEB

TEMPLATE thereami.html

IMAGEPATH "tmp/"

IMAGEURL "/tmp/"

LOG "mapserver.log"

MAXSCALE 141742030

MINSCALE 10000

END

Legend + scale

LEGEND

STATUS EMBED

KEYSIZE 18 12

TRANSPARENT on

POSITION II

LABEL

TYPE BITMAP

SIZE MEDIUM

COLOR 255 255 255

OUTLINECOLOR 0 0 0

SHADOWSIZE 2 2

END

END

SCALEBAR

STATUS EMBED

COLOR 0 0 0

OUTLINECOLOR 0 0 0

POSITION lr

STYLE 0

UNITS kilometers

LABEL

TYPE BITMAP

SIZE MEDIUM

COLOR 0 0 0

SHADOWCOLOR 255 255 255

SHADOWSIZE 2 2

END

END

map country shapes

```
LAYER # Countries
  NAME "countries"
  DATA data/country_col_region
  STATUS DEFAULT
  TYPE POLYGON
  CLASSITEM "NAME"
  CLASS
    NAME "(c) SDF user MAP"
    http://sdf.lonestar.org/map
    COLOR 239 223 181
  END # end of class object
END # end of layer object
```

```
LAYER # Countries - Antarctica
  NAME "timezones"
  NAME "countries"
  STATUS DEFAULT
  DATA timedata/WrldTZA
  STATUS DEFAULT
  TYPE POLYGON
  TRANSPARENCY 50
  CLASSITEM "NAME"
  CLASS
    EXPRESSION "Antarctica"
    COLOR 255 255 255
  OUTLINECOLOR 0 0 0
  END # end of class object
END # end of layer object
```

map background & terminator

LAYER # tile raster layer
NAME "world2048"
GROUP "HEIGHT"
TYPE RASTER
STATUS ON
TILEINDEX "tiles/world2048"
MINSCALE 30000000
END

LAYER # terminator
NAME "terminator"
GROUP "TERM"
DATA terminator/terminator
STATUS ON
TYPE POLYGON

TRANSPARENCY 15
CLASSITEM "EARTHSIDE"
CLASS
EXPRESSION "sunside"
COLOR 255 255 255
OUTLINECOLOR 0 0 0
END # end of sunside
CLASS
EXPRESSION "darkside"
COLOR 0 0 0
OUTLINECOLOR 0 0 0
END # end of darkside
END #end of layer

users + labels

```
LAYER # Points
  NAME "points"
  DATA database/amihere
  STATUS DEFAULT
  TYPE POINT
  CLASSITEM "username"
  CLASS
    NAME "named user"
    EXPRESSION ( '[username]' ne
      "anonymous" )
    COLOR 128 0 0
    OUTLINECOLOR 255 0 0
    SIZE 3
    Symbol 'circle'
    STATUS ON
  END # end of class object
END #end of layer
```

```
LAYER # points-user-labels
  NAME "USERS"
  DATA database/amihere
  STATUS ON
  TYPE ANNOTATION
  LABELITEM "username"
  CLASSITEM "username"
  CLASS
    EXPRESSION ( '[username]' ne
      "anonymous" )
    COLOR -1 -1 -1
    OUTLINECOLOR 0 0 0
    LABEL
      COLOR 255 255 255
      OUTLINECOLOR 0 0 0
      TYPE BITMAP
      SIZE MEDIUM
      POSITION AUTO
```

What did I steal where? (aka credits)

- **SDF** Public Access Unix System (smj!!!)
- **Software:** MapServer & vplanet (John Walker)
- **Data sources:** *www.nima.mil* & United States Geological Survey,
- **ASCII world map:** world map made by Jorn Barger
- **ESRI shapefiles** Center for Applied Geoinformatics TerraSpace & Census TIGER95
- **Satellite Image of the Earth:** NASA Goddard Space Flight Center
- **Google Maps:** duh...