

On 20140210

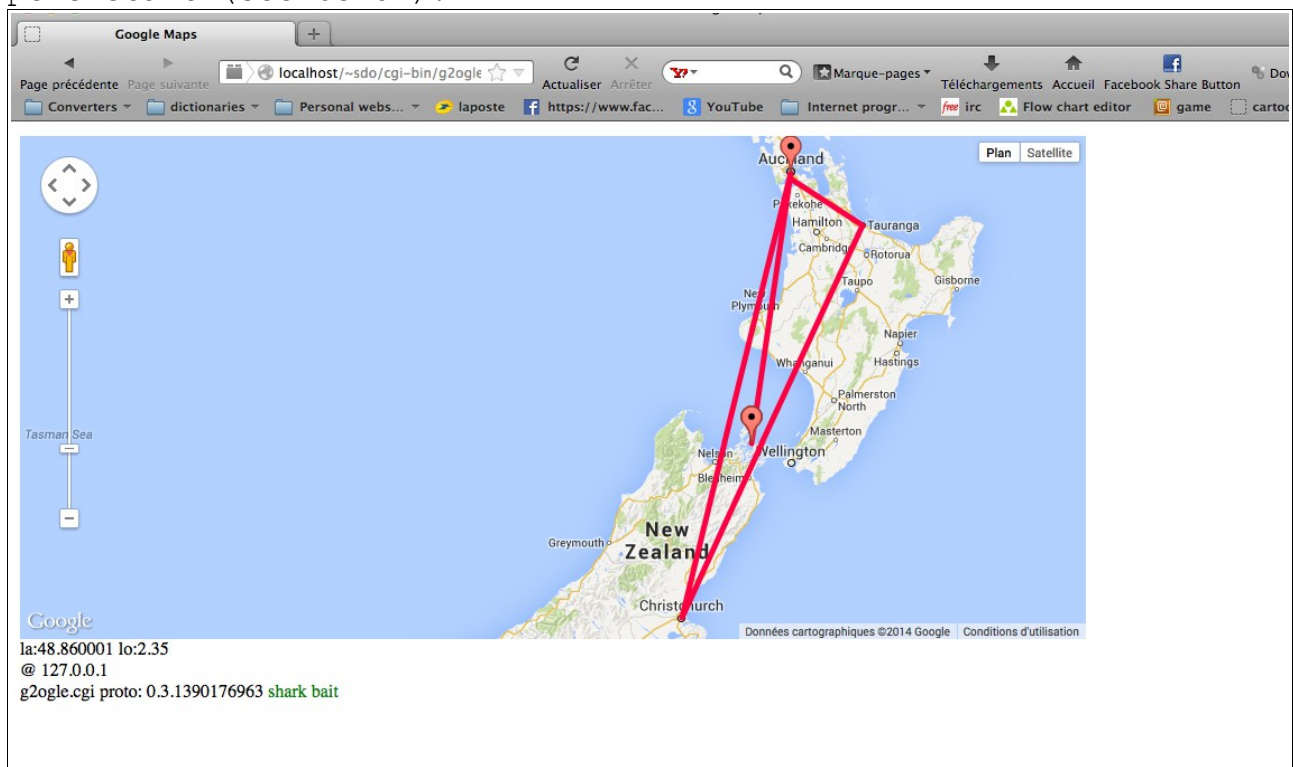
Time change scripts changes bugs persist

Introduction

During tests period with G2 (that's the second version of the map script with google map) path was printed. We had several point on the path that indicated where the user watched the album. A line between each mark was drawn. Alas the line was drawn but not the mark.

The bug

During tests period with G2 a bug was noticed see Introduction in the page. We passed from G2 to G3 (third version) and bug was persistant (see below).



Version 2



Version 3

If we compare we have the same number of markers for New Zealand. In the second version we have lines (not implemented yet in the third version). In the second version we have several angles. At each angles should be a Mark in New Zealand. That's the bug.

The bug test to debug

To build the mat it is needed to collect data recorded.
See picture below:

```

357     chdir("../");chdir("../"); # come back to original dir configuration
358     my @a=split(/\./,$r);# split in an array
359     for my $p (@a){# begin for my $p (@a)
360         chomp($p);#remove carriage return if one found
361         my @q=split(/\#/, $p); # split each lines as a column
362         if(scalar(@q)==14){# begin if(scalar(@q)==14)
363             my $dtes=$q[1]; # Gets login date
364             my $l=$q[11]; # Gets Latitude
365             my $L=$q[12]; # Gets Longitude
366             $l=~s/LATITUDE\\:\/; # Remove comment for the column name
367             $L=~s/LONGITUDE\\:\/; # Remove comment for the column name
368             if(length("$l")){# begin if(length($l))
369                 if(length("$L")){# begin if(length($L))
370 #print "\n<br>oooooooo) ($dtes arobase $l,$L)(oooooooooooooooo<br>";
371                 #print "\n<br>$dtes @ $l,$L stop here<br>";
372                 $llL("$dtes @ $l,$L").="<br>$dtes <!-- $q[7]
-->";
373                 #print "\n<br>$dtes @ $l,$L stop here<br>";
374                 $dtes=~s/(Mon|Tues|Wed|Thu|Fri|Sat|Sun)/g;
375                 if($dtes=~m/(Jan)/){$dtes=~s/$1/01/;}
376                 if($dtes=~m/(Feb)/){$dtes=~s/$1/02/;}
377                 if($dtes=~m/(Mar)/){$dtes=~s/$1/03/;}
378                 if($dtes=~m/(Apr)/){$dtes=~s/$1/04/;}
379                 if($dtes=~m/(May)/){$dtes=~s/$1/05/;}
380                 if($dtes=~m/(Jun)/){$dtes=~s/$1/06/;}
381                 if($dtes=~m/(Jul)/){$dtes=~s/$1/07/;}
382                 if($dtes=~m/(Aug)/){$dtes=~s/$1/08/;}
383                 if($dtes=~m/(Sep)/){$dtes=~s/$1/09/;}
384                 if($dtes=~m/(Oct)/){$dtes=~s/$1/10/;}
385                 if($dtes=~m/(Nov)/){$dtes=~s/$1/11/;}
386                 if($dtes=~m/(Dec)/){$dtes=~s/$1/12/;}
387                 $Err=($Err,"$dtes\@$l,$L");
388                 }# end if(length($L))
389             }# end if(length($l))
390         }# end if(scalar(@q)==14)
391     }else {
392         print "----->$p<!-- scalar(@q) = " . scalar(@q) . "<br>\n";
393     }
394 }# end for my $p (@a)
395 return $llL; # Returns hash
396 } # end getsLola
397

```

Printing of a piece of code of g3ogle.cgi

An alternative was added to print what is not printed (5th line from end of function).

Now a printing of the execution:

```
----->127.0.0.1#Wed Feb 05 19:57:02 UTC 2014#1##-< 5
----->127.0.0.1#Wed Feb 05 19:58:08 UTC 2014#1##-< 5
----->127.0.0.1#Thu Feb 06 10:59:39 UTC 2014#1##-< 5
----->127.0.0.1#Thu Feb 06 13:53:22 UTC 2014#1##-< 5
----->127.0.0.1#Thu Feb 06 13:55:46 UTC 2014#1##-< 5
----->127.0.0.1#Thu Feb 06 13:56:08 UTC 2014#1##-< 5
----->127.0.0.1#Thu Feb 06 13:56:16 UTC 2014#1##-< 5
----->127.0.0.1#Thu Feb 06 14:00:49 UTC 2014#1##-< 5
----->127.0.0.1#Thu Feb 06 14:01:03 UTC 2014#1##-< 5
----->127.0.0.1#Thu Feb 06 14:01:36 UTC 2014#2##-< 5
----->127.0.0.1#Thu Feb 06 14:01:52 UTC 2014#3##-< 5
----->127.0.0.1#Thu Feb 06 14:28:00 UTC 2014#2##-< 5
----->127.0.0.1#Fri Feb 07 21:14:03 UTC 2014#1##-< 5
----->127.0.0.1#Fri Feb 07 21:14:09 UTC 2014#5##-< 5
----->127.0.0.1#Mon Feb 10 14:56:57 UTC 2014#1##-< 5
----->142.59.227.103#Sun Aug 15 21:50:16 UTC 2010#album##domainid142-59-227-103.abhsia.telus.net#CONTINENT CODE:NA#COUNTRY CODE:CA#COUNTRY
NAME:Canada#REGION CODE:AB#REGION NAME:Alberta#CITY:Camrose#LATITUDE:53.0167#LONGITUDE:-112.8167#PROVIDER (ORG):AS852142.59.227.103#Sun Aug 15 21:50:16
UTC 2010#album##domainid142-59-227-103.abhsia.telus.net#CONTINENT CODE:NA#COUNTRY CODE:CA#COUNTRY NAME:Canada#REGION CODE:AB#REGION
NAME:Alberta#CITY:Camrose#LATITUDE:53.0167#LONGITUDE:-112.8167#PROVIDER (ORG):AS852< 27
----->109.11.231.158#Fri Jan 31 12:15:14 UTC 2014#1##domain158.231.11.109.rev.sfr.net#CONTINENT CODE:N/A#COUNTRY CODE:FR#COUNTRY NAME:France#REGION
CODE:N/A#REGION NAME:N/A#CITY:N/A#LATITUDE:48.86#LONGITUDE:2.35#PROVIDER (ORG):AS15557 Societe Francaise du Radiotelephone S.A#-< 15
----->37.59.16.223#Sun Jan 19 09:06:27 UTC 2014#1##domainnns231428.ovh.net#CONTINENT CODE:N/A#COUNTRY CODE:FR#COUNTRY NAME:France#REGION
CODE:N/A#REGION NAME:N/A#CITY:N/A#LATITUDE:48.86#LONGITUDE:2.35#PROVIDER (ORG):AS16276 OVH Systems#NZ2014< 15
----->78.112.170.61#Thu Jan 23 00:47:31 UTC 2014#1##domain61.170.112.78.rev.sfr.net#CONTINENT CODE:EU#COUNTRY CODE:FR#COUNTRY NAME:France#REGION
CODE:A8#REGION NAME:Ile-de-France#CITY:Thomery#LATITUDE:48.4072#LONGITUDE:2.7885#PROVIDER (ORG):AS8228 Societe Francaise du Radiotelephone S.A#-< 15
----->78.112.170.61#Thu Jan 23 10:03:18 UTC 2014#1##domain61.170.112.78.rev.sfr.net#CONTINENT CODE:EU#COUNTRY CODE:FR#COUNTRY NAME:France#REGION
CODE:A8#REGION NAME:Ile-de-France#CITY:Thomery#LATITUDE:48.4072#LONGITUDE:2.7885#PROVIDER (ORG):AS8228 Societe Francaise du Radiotelephone S.A#-< 15
----->78.112.170.61#Thu Jan 23 21:08:10 UTC 2014#1##domain61.170.112.78.rev.sfr.net#CONTINENT CODE:EU#COUNTRY CODE:FR#COUNTRY NAME:France#REGION
CODE:A8#REGION NAME:Ile-de-France#CITY:Thomery#LATITUDE:48.4072#LONGITUDE:2.7885#PROVIDER (ORG):AS8228 Societe Francaise du Radiotelephone S.A#-< 15
----->78.112.170.61#Fri Jan 24 02:28:05 UTC 2014#1##domain61.170.112.78.rev.sfr.net#CONTINENT CODE:EU#COUNTRY CODE:FR#COUNTRY NAME:France#REGION
CODE:A8#REGION NAME:Ile-de-France#CITY:Thomery#LATITUDE:48.4072#LONGITUDE:2.7885#PROVIDER (ORG):AS8228 Societe Francaise du Radiotelephone S.A#-< 15
----->86.66.199.251#Sun Jan 19 15:18:50 UTC 2014#1##domain251.199.66.86.rev.sfr.net#CONTINENT CODE:N/A#COUNTRY CODE:FR#COUNTRY NAME:France#REGION
CODE:N/A#REGION NAME:N/A#CITY:N/A#LATITUDE:48.86#LONGITUDE:2.35#PROVIDER (ORG):AS15557 Societe Francaise du Radiotelephone S.A#-< 15
----->86.66.199.251#Sun Jan 19 15:18:50 UTC 2014#1##domain251.199.66.86.rev.sfr.net#CONTINENT CODE:N/A#COUNTRY CODE:FR#COUNTRY NAME:France#REGION
```

Printing of the execution

To summup: quite a lot of data are removed.

We switched columns:

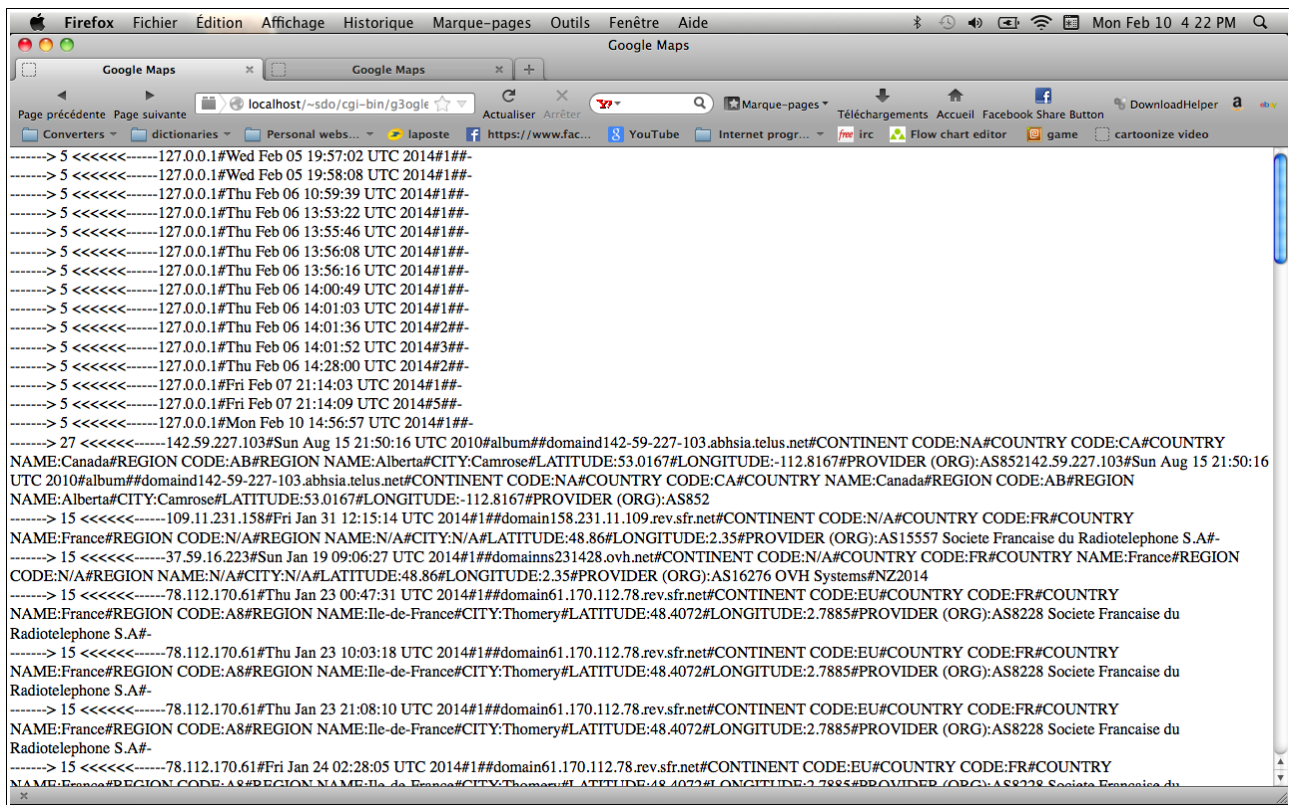
```

353         if(length("$ee")>0){# begin if(length("$ee")>0)
354             open(R0,"$ee") || die("$ee $!");$r.<R0>;chomp($r);close(R0)
||die("$ee $!");# store data from files in $r variable
355         }# end if(length("$ee")>0)
356     }# end foreach (@dr)
357     chdir("../");chdir("../");# come back to original dir configuration
358     my @a=split(/\./,$r);# split in an array
359     for my $p (@a){# begin for my $p (@a)
360         chomp($p);#remove carriage return if one found
361         my @q=split(/\#/, $p);# split each lines as a column
362         if(scalar(@q)==14){# begin if(scalar(@q)==14)
363             my $dtes=$q[1];# Gets login date
364             my $l=$q[11];# Gets Latitude
365             my $L=$q[12];# Gets Longitude
366             $l=~s/LATITUDE\://;# Remove comment for the column name
367             $L=~s/LONGITUDE\://;# Remove comment for the column name
368             if(length("$l")){# begin if(length($l))
369                 if(length("$L")){# begin if(length($L))
370 #print "\n<br>oooooooo ($dtes arobase $l,$L)(oooooooooooooooo<br>";
371 #print "\n<br>$dtes @ $l,$L stop here<br>";
372 $l1L("$dtes @ $l,$L").="<br>$dtes <!-- $q[7]
-->";
373 #print "\n<br>$dtes @ $l,$L stop here<br>";
374 $dtes=~s/(Mon|Tues|Wed|Thu|Fri|Sat|Sun)/g;
375 if($dtes=~m/(Jan)/){$dtes=~s/$l/01/;}
376 if($dtes=~m/(Feb)/){$dtes=~s/$l/02/;}
377 if($dtes=~m/(Mar)/){$dtes=~s/$l/03/;}
378 if($dtes=~m/(Apr)/){$dtes=~s/$l/04/;}
379 if($dtes=~m/(May)/){$dtes=~s/$l/05/;}
380 if($dtes=~m/(Jun)/){$dtes=~s/$l/06/;}
381 if($dtes=~m/(Jul)/){$dtes=~s/$l/07/;}
382 if($dtes=~m/(Aug)/){$dtes=~s/$l/08/;}
383 if($dtes=~m/(Sep)/){$dtes=~s/$l/09/;}
384 if($dtes=~m/(Oct)/){$dtes=~s/$l/10/;}
385 if($dtes=~m/(Nov)/){$dtes=~s/$l/11/;}
386 if($dtes=~m/(Dec)/){$dtes=~s/$l/12/;}
387 $rr=(@rr,"$dtes\@$l,$L");
388 }# end if(length($L))
389 }# end if(length($l))
390 }# end if(scalar(@q)==14)
391 else {# begin else
392     print "-----> ". scalar(@q) . " <<<<<-----<br>\n";
393 }# end else
394 }# end for my $p (@a)
395 return $l1L;# Returns hash
396 }# end getsLola
397 =head1 sub getPath(...)
398
399 =head1 sub getsPath(...)

```

Columns switched (5th line from end of function).

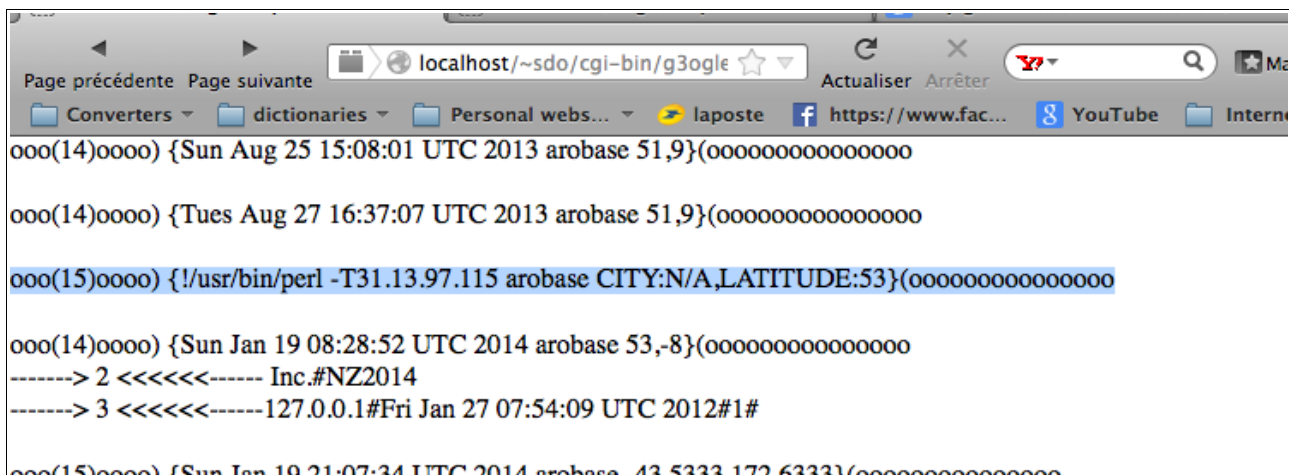
The printing will give:



```
-----> 5 <<<<<<-----127.0.0.1#Wed Feb 05 19:57:02 UTC 2014#1##-
-----> 5 <<<<<<-----127.0.0.1#Wed Feb 05 19:58:08 UTC 2014#1##-
-----> 5 <<<<<<-----127.0.0.1#Thu Feb 06 10:59:39 UTC 2014#1##-
-----> 5 <<<<<<-----127.0.0.1#Thu Feb 06 13:53:22 UTC 2014#1##-
-----> 5 <<<<<<-----127.0.0.1#Thu Feb 06 13:55:46 UTC 2014#1##-
-----> 5 <<<<<<-----127.0.0.1#Thu Feb 06 13:56:08 UTC 2014#1##-
-----> 5 <<<<<<-----127.0.0.1#Thu Feb 06 13:56:16 UTC 2014#1##-
-----> 5 <<<<<<-----127.0.0.1#Thu Feb 06 14:00:49 UTC 2014#1##-
-----> 5 <<<<<<-----127.0.0.1#Thu Feb 06 14:01:03 UTC 2014#1##-
-----> 5 <<<<<<-----127.0.0.1#Thu Feb 06 14:01:36 UTC 2014#2##-
-----> 5 <<<<<<-----127.0.0.1#Thu Feb 06 14:01:52 UTC 2014#3##-
-----> 5 <<<<<<-----127.0.0.1#Thu Feb 06 14:28:00 UTC 2014#2##-
-----> 5 <<<<<<-----127.0.0.1#Fri Feb 07 21:14:03 UTC 2014#1##-
-----> 5 <<<<<<-----127.0.0.1#Fri Feb 07 21:14:09 UTC 2014#5##-
-----> 5 <<<<<<-----127.0.0.1#Mon Feb 10 14:56:57 UTC 2014#1##-
-----> 27 <<<<<<-----142.59.227.103#Sun Aug 15 21:50:16 UTC 2010#album##domain142-59-227-103.abhsia.telus.net#CONTINENT CODE:NA#COUNTRY CODE:CA#COUNTRY
NAME:Canada#REGION CODE:AB#REGION NAME:Alberta#CITY:Camrose#LATITUDE:53.0167#LONGITUDE:-112.8167#PROVIDER (ORG):AS852142.59.227.103#Sun Aug 15 21:50:16
UTC 2010#album##domain142-59-227-103.abhsia.telus.net#CONTINENT CODE:NA#COUNTRY CODE:CA#COUNTRY NAME:Canada#REGION CODE:AB#REGION
NAME:Alberta#CITY:Camrose#LATITUDE:53.0167#LONGITUDE:-112.8167#PROVIDER (ORG):AS852
-----> 15 <<<<<<-----109.11.231.158#Fri Jan 31 12:15:14 UTC 2014#1##domain158.231.11.109.rev.sfr.net#CONTINENT CODE:N/A#COUNTRY CODE:FR#COUNTRY
NAME:France#REGION CODE:N/A#REGION NAME:N/A#CITY:N/A#LATITUDE:48.86#LONGITUDE:2.35#PROVIDER (ORG):AS15557 Societe Francaise du Radiotelephone S.A#-
-----> 15 <<<<<<-----37.59.16.223#Sun Jan 19 09:06:27 UTC 2014#1##domains231428.ovh.net#CONTINENT CODE:N/A#COUNTRY CODE:FR#COUNTRY NAME:France#REGION
CODE:N/A#REGION NAME:N/A#CITY:N/A#LATITUDE:48.86#LONGITUDE:2.35#PROVIDER (ORG):AS16276 OVH Systems#NZ2014
-----> 15 <<<<<<-----78.112.170.61#Thu Jan 23 00:47:31 UTC 2014#1##domain61.170.112.78.rev.sfr.net#CONTINENT CODE:EU#COUNTRY CODE:FR#COUNTRY
NAME:France#REGION CODE:A8#REGION NAME:Ile-de-France#CITY:Thomery#LATITUDE:48.4072#LONGITUDE:2.7885#PROVIDER (ORG):AS8228 Societe Francaise du
Radiotelephone S.A#-
-----> 15 <<<<<<-----78.112.170.61#Thu Jan 23 10:03:18 UTC 2014#1##domain61.170.112.78.rev.sfr.net#CONTINENT CODE:EU#COUNTRY CODE:FR#COUNTRY
NAME:France#REGION CODE:A8#REGION NAME:Ile-de-France#CITY:Thomery#LATITUDE:48.4072#LONGITUDE:2.7885#PROVIDER (ORG):AS8228 Societe Francaise du
Radiotelephone S.A#-
-----> 15 <<<<<<-----78.112.170.61#Thu Jan 23 21:08:10 UTC 2014#1##domain61.170.112.78.rev.sfr.net#CONTINENT CODE:EU#COUNTRY CODE:FR#COUNTRY
NAME:France#REGION CODE:A8#REGION NAME:Ile-de-France#CITY:Thomery#LATITUDE:48.4072#LONGITUDE:2.7885#PROVIDER (ORG):AS8228 Societe Francaise du
Radiotelephone S.A#-
-----> 15 <<<<<<-----78.112.170.61#Fri Jan 24 02:28:05 UTC 2014#1##domain61.170.112.78.rev.sfr.net#CONTINENT CODE:EU#COUNTRY CODE:FR#COUNTRY
NAME:France#REGION CODE:A8#REGION NAME:Ile-de-France#CITY:Thomery#LATITUDE:48.4072#LONGITUDE:2.7885#PROVIDER (ORG):AS8228 Societe Francaise du
Radiotelephone S.A#-
```

Printing for debugging

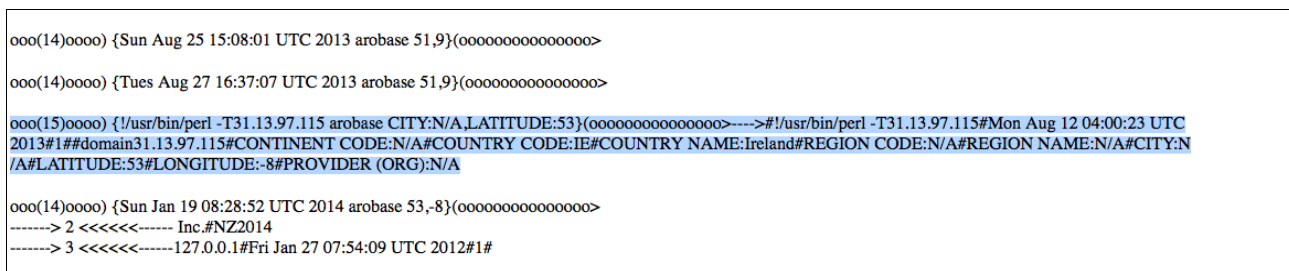
After several modifications in the script that prints debug information this was obtained:



```
ooo(14)oooo) {Sun Aug 25 15:08:01 UTC 2013 arobase 51,9}(ooooooooooooooooo
ooo(14)oooo) {Tues Aug 27 16:37:07 UTC 2013 arobase 51,9}(ooooooooooooooooo
ooo(15)oooo) {!/usr/bin/perl -T31.13.97.115 arobase CITY:N/A,LATITUDE:53}(ooooooooooooooooo
ooo(14)oooo) {Sun Jan 19 08:28:52 UTC 2014 arobase 53,-8}(ooooooooooooooooo
-----> 2 <<<<<<----- Inc.#NZ2014
-----> 3 <<<<<<-----127.0.0.1#Fri Jan 27 07:54:09 UTC 2012#1#
ooo(15)oooo) {Sun Jan 10 21:07:34 UTC 2014 arobase 43 5333 172 6333}(ooooooooooooooooo
```

The blue revealed the bug (we have some more in other parts)

this prints the line field values.
Another print out but with more data:



```
ooo(14)oooo) {Sun Aug 25 15:08:01 UTC 2013 arobase 51,9}(ooooooooooooooooo>
ooo(14)oooo) {Tues Aug 27 16:37:07 UTC 2013 arobase 51,9}(ooooooooooooooooo>
ooo(15)oooo) {!/usr/bin/perl -T31.13.97.115 arobase CITY:N/A,LATITUDE:53}(ooooooooooooooooo>----->#!/usr/bin/perl -T31.13.97.115#Mon Aug 12 04:00:23 UTC
2013#1##domain31.13.97.115#CONTINENT CODE:N/A#COUNTRY CODE:IE#COUNTRY NAME:Ireland#REGION CODE:N/A#REGION NAME:N/A#CITY:N
/A#LATITUDE:53#LONGITUDE:-8#PROVIDER (ORG):N/A
ooo(14)oooo) {Sun Jan 19 08:28:52 UTC 2014 arobase 53,-8}(ooooooooooooooooo>
-----> 2 <<<<<<----- Inc.#NZ2014
-----> 3 <<<<<<-----127.0.0.1#Fri Jan 27 07:54:09 UTC 2012#1#
```

extra print out with more field values

There is a path with Perl call that must not be there. Best guess:
from this file all data are shifted. Now lets see why.

The bug solved

To print all marks data are stored somewhere. Due to many
transforms in the time some perl script were written. Alas the
program that parsed the directory took care of theses files. As it
contained data that are used as separator in the script it jammed
printings.

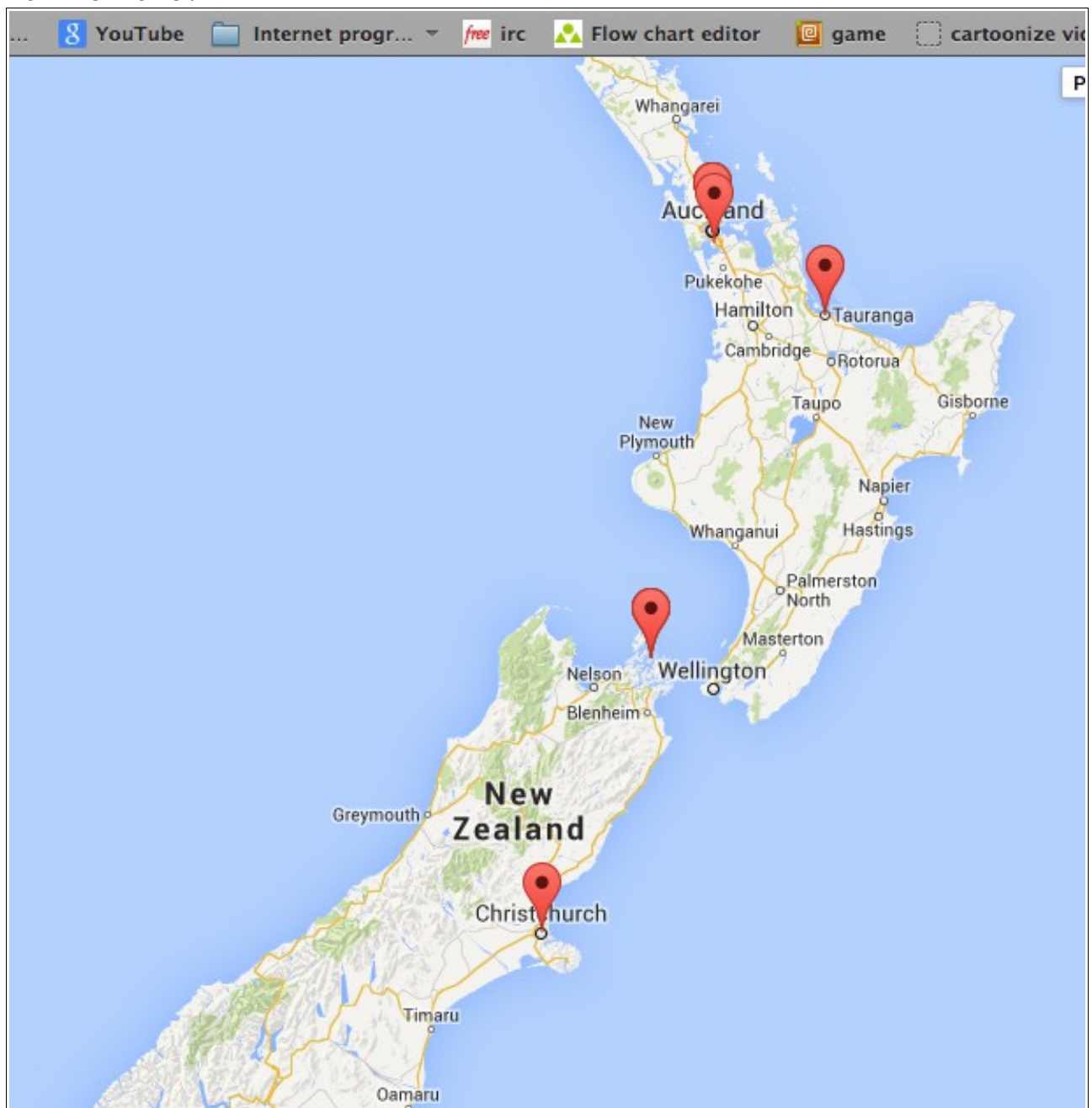
The perl script modified:

```
346     my $r=();# store content of each file
347     opendir(ARD,".") || die(".$!");# open current directory
348     my @dr= grep ( $_ ne '.' and $_ ne '..' and $_ !~ m/pl$/i and $_ !~ m/cgi$/i
) readdir(ARD);# parse current directory
349     closedir(ARD) || die(".$!");# close directory Tuesday
350
```

Lines modified

The blue lines are where the transforms occurred.

Now we have:



All data were in a directory. We parsed the directory but script file were in it due to make modifications. They contained separators, they jammed the printings on the screen (see below).

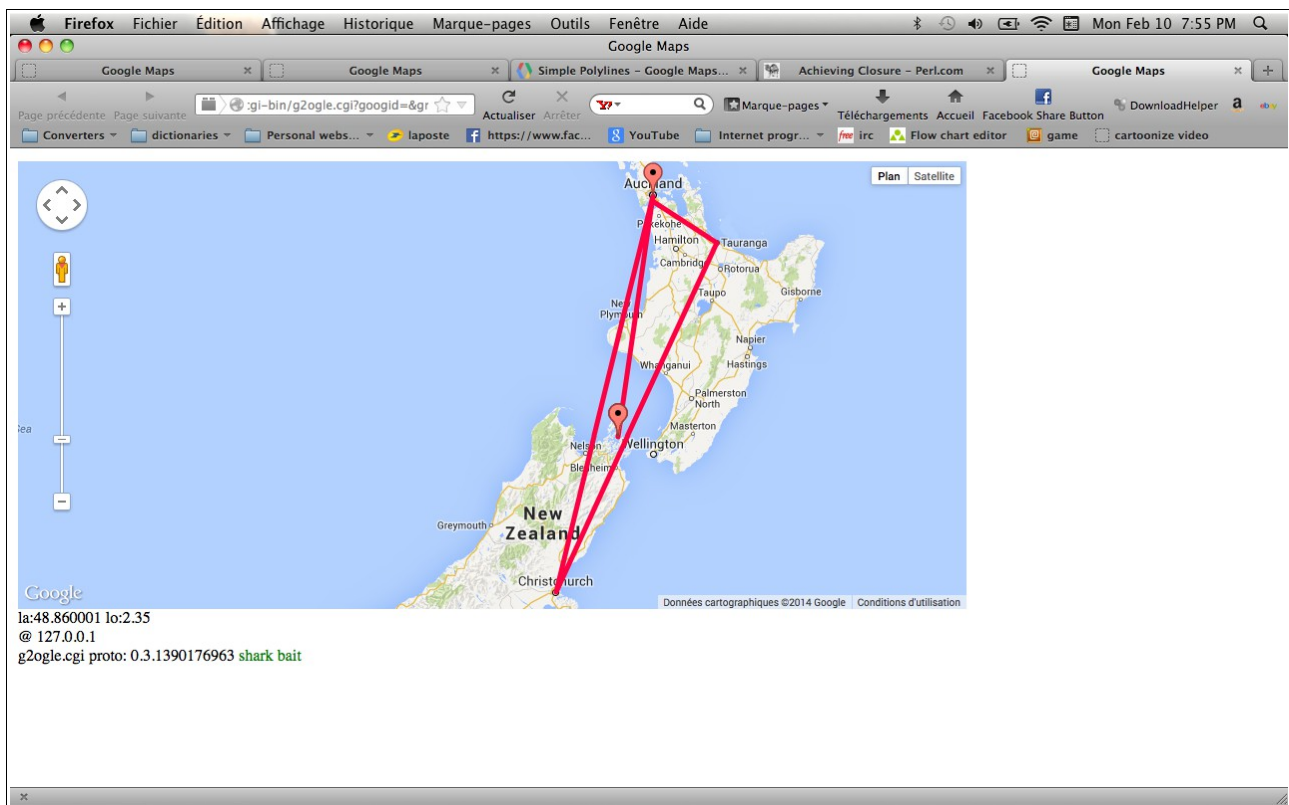
```
ooo(14)oooo) {Sun Aug 25 15:08:01 UTC 2013 arobase 51,9}(oooooooooooooooo>
ooo(14)oooo) {Tues Aug 27 16:37:07 UTC 2013 arobase 51,9}(oooooooooooooooo>

ooo(15)oooo) {/usr/bin/perl -T31.13.97.115 arobase CITY:N/A#LATITUDE:53}(oooooooooooooooo>---->#!/usr/bin/perl -T31.13.97.115#Mon Aug 12 04:00:23 UTC
2013#1##domain31.13.97.115#CONTINENT CODE:N/A#COUNTRY CODE:IE#COUNTRY NAME:Ireland#REGION CODE:N/A#REGION NAME:N/A#CITY:N
/A#LATITUDE:53#LONGITUDE:-8#PROVIDER (ORG):N/A

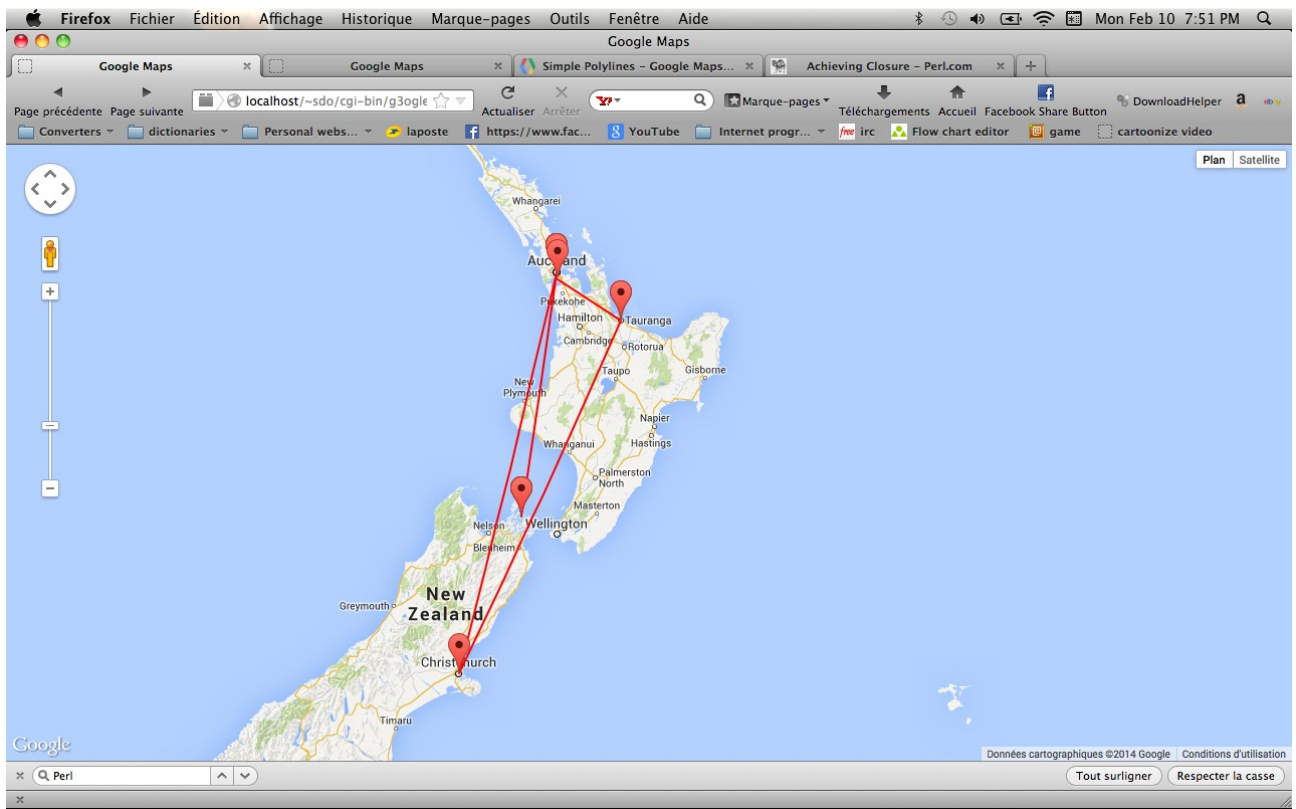
ooo(14)oooo) {Sun Jan 19 08:28:52 UTC 2014 arobase 53,-8}(oooooooooooooooo>
-----> 2 <<<<<<----- Inc.#NZ2014
-----> 3 <<<<<<-----127.0.0.1#Fri Jan 27 07:54:09 UTC 2012#1#
```

Fields jammed

After solving the problem we have gotten:



Old printout G2



New printout G3