# SCAR ACTION GROUP: GPS FOR WEATHER AND SPACE WEATHER FORECAST

## DATA AND TOOLS AVAILABILITY FORM

Station or acquisition acronym:

| Station Acronym | ELIS |
|---|---|

Instrumentation and data kind description:

| General description of the data | GPS RINEX FILES |
|---|---|

Localization:

| Acquisition Site | UTSTEINEN, ANTACTICA | | Geographic Coordinates | S 71°56'48.1 N 23°20'46.8 H: 1389.8m |
|---|---|---|---|---|

Periods of acquisition:

| From | To | | From | To | | From | To |
|---|---|---|---|---|---|---|---|

DOY 043-050 2009 , 2nd period   DOY 045-365 2010 , 3rd period   DOY 001-098 2011 , ...

Data file request info (please refer to the following "Data files" section):

| Data file (kind 1) | RINEX FILES | Contact name and email | Bergeot nicolas.bergeot@oma.be |
|---|---|---|---|
| Data file (kind 2) | | Contact name and email | |
| Data file (kind 3) | | Contact name and email | |

...

| List of Web addresses where data or info can be found | Info on http://gnss.be |
|---|---|

Data tools request info (please refer to the following "Data analysis tools" section):

| Data analysis tool (kind 1) | | Contact name and email | |
|---|---|---|---|
| Data analysis tool (kind 2) | | Contact name and email | |
| Data analysis tool (kind 3) | | Contact name and email | |

...

Date

| Date | 29/08/2011 |
|---|---|

Compiler

| Compiler name and email | Bergeot nicolas.bergeot@oma.be |
|---|---|

Data files:

1) File description (1st file):

| File name ELISddd0.yyD.Z | File sampling 30s |
|---|---|

| Typical file size 500K |
|---|

| ASCII or Binary? ASCII | Easy convertible in ASCII? Y |
|---|---|

| Data coverage estimation (%) | ~90% |
|---|---|

Data format header:

List of stored variables in the data file

Codes (P1,C1,P2) and phases (L1,L2) GNSS data.

Principal parameters:

1  Description of the first parameter useful for the AG activity. The parameter is directly available by the data file or it can be calculated with an easy procedure.
Ionospheric Total electron Content (TEC) with geometry-free combination of code and phase data.

2  Description of the second parameter useful for the AG activity. The parameter is directly available by the data file or it can be calculated with an easy procedure.

3  Description of third parameter useful for the AG activity. The parameter is directly available by the data file or it can be calculated with an easy procedure.

2) File description (2nd file):

| File name | File sampling | Typical file size |
|---|---|---|
| ASCII or Binary? | Easy convertible in ASCII? | Data coverage estimation (%) |

Data format header:

List of stored variables as available on the second data file

Principal parameters:

1  Description of first parameter useful for the AG activity. The parameter is directly available by the data file or it can be calculated with an easy procedure.

2  Description of second parameter useful for the AG activity. The parameter is directly available by the data file or it can be calculated with an easy procedure.

...

3)      File description (3rd file): …

Data analysis tools:

1)      Tool name:

| First tool name   Home made tools (Bergeot et al. 2011 in GPS Solutions). |
|---|

Tool description:

| Tool description |
|---|

Tool support description:

| Description of the informatics support needed to run the tool |
|---|

Inputs :

| Description of the needed inputs |
|---|

Output description :

| Outputs list and description of them |
|---|

2)      Tool name:

| Second tool name |
|---|

Tool description:

| Tool description |
|---|

Tool support description:

| Description of the informatics support needed to run the tool |
|---|

Inputs :

| Description of the needed inputs |
|---|

Output description :

| Outputs list and description of them |
|---|

3)      Tool name

     …


Attachments (any useful file attached to this document as articles, figures, data files examples…)

| Attachment name | Attachment description |
|---|---|

1

| Attachment name | Attachment description |
|---|---|

2

| Attachment name | Attachment description |
|---|---|

3

…