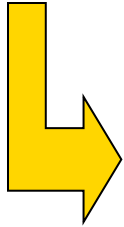




GINs-PC tool: Needs

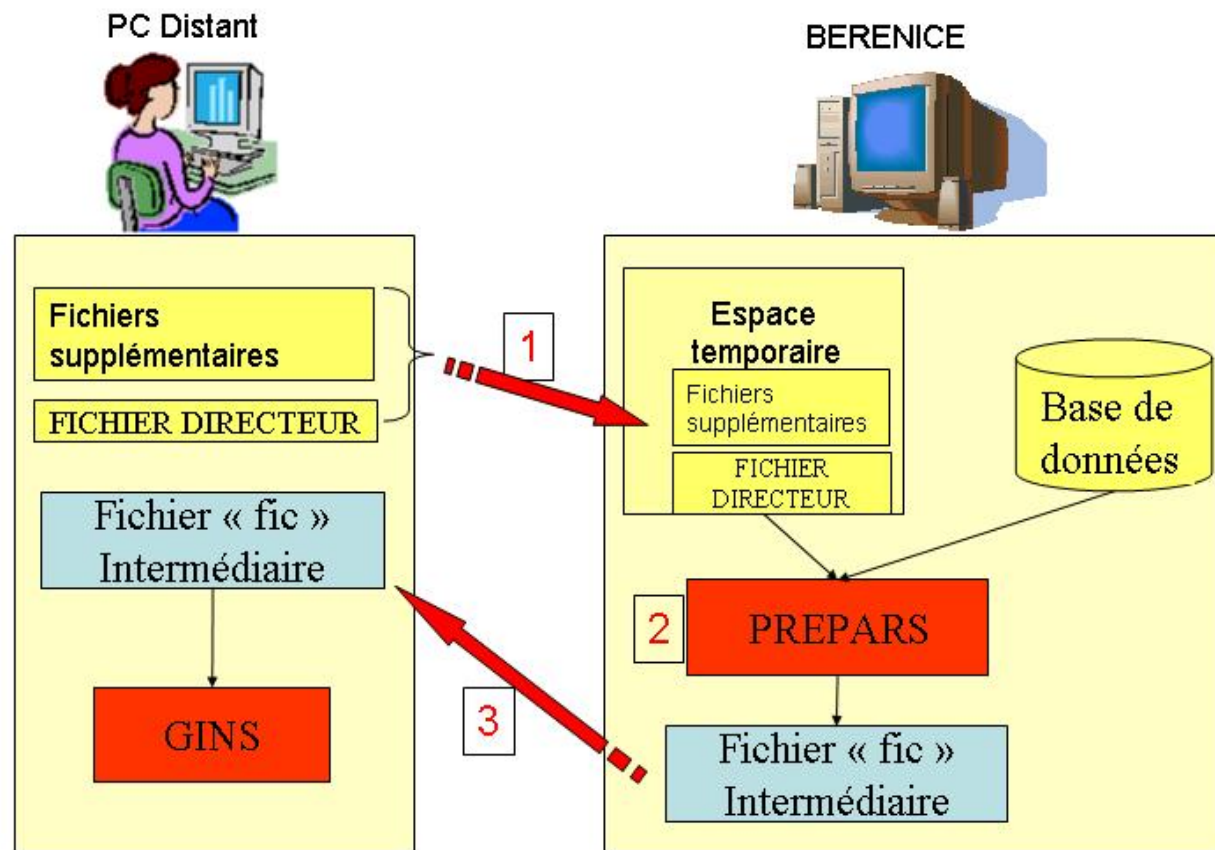
- use GINS software outside CNES network
- database is private



- Usage with a Linux computer:
 - 2Go memory
 - harddisk 50-100Go
 - software:
 - Perl v5.8 (freeware)

Connection to the computer Berenice to use the database and run PREPARS90

GINS-PC tool: Architecture (1)





GINS-PC tool: Architecture (2)

Name	Role
GS_HOME	Path directory for the GINS software and its toolbox
GS_USER	Path directory for GINS usage (i.e. gin and scripts directories)
GS_DATABASE	Database for GINS



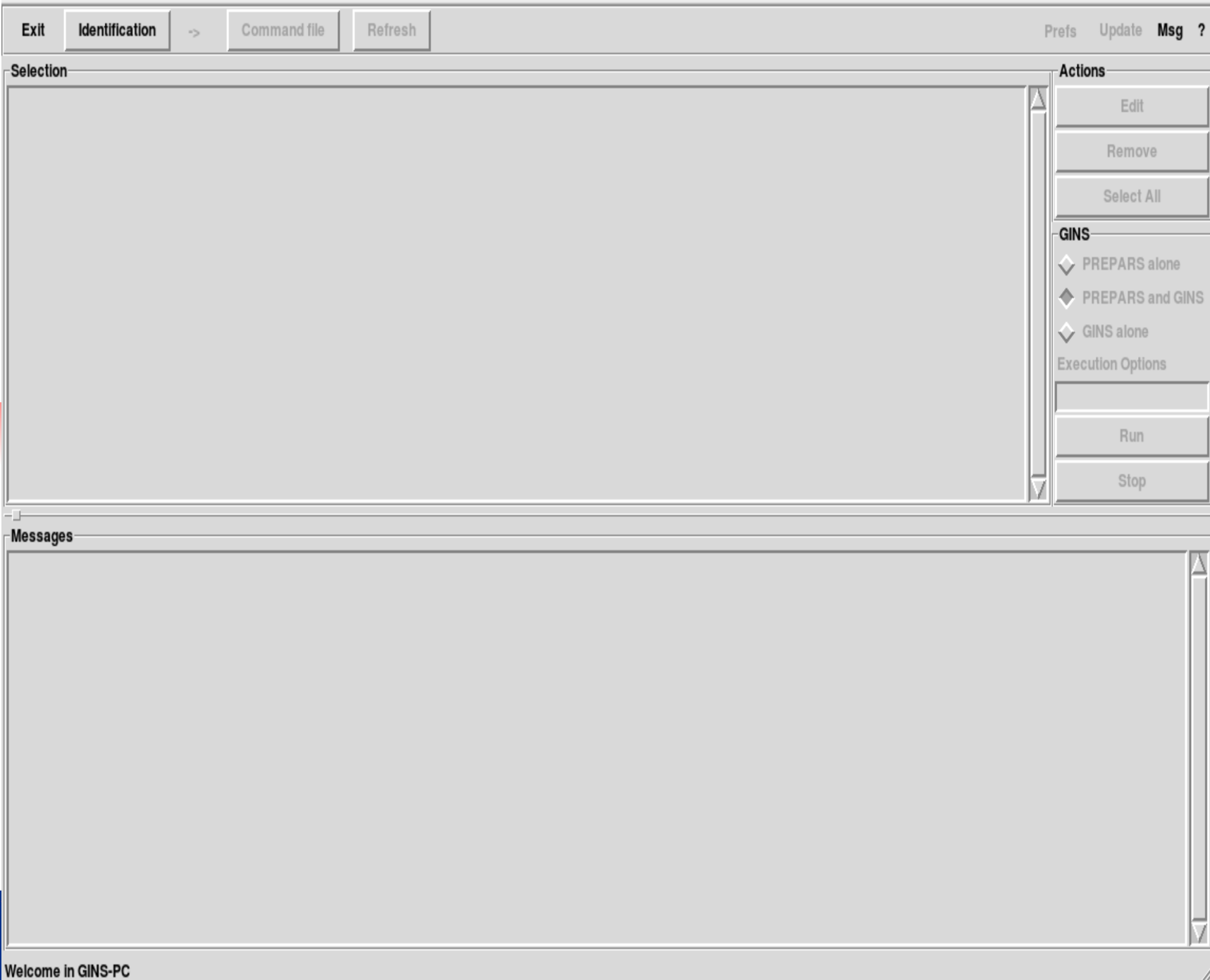
GINs-PC tool: Architecture (3)

- Directories tree for GINS in $\$GS_USER$
 - gin/data/directeur: directives file
 - gin/batch/orbite: ephemeris
 - gin/batch/listing: listings
 - gin/batch/statistiques
 - gin/batch/eqna: normal equations
 - Gin/batch/solution: station solution files
 - gin/archives: archives downloaded from Berenice



GINs-PC tool: Acces

- Users who have signed a convention
- Acces autorisation to Berenice:
 - With a given IP number
 - A username
- if OK: installation kit of the software sent by email : ginspc-2.2.1.run
 - Set the environnement variable
 - Install ginspc tool



Exit

Identification

>

Command file

Refresh

Prefs

Update

Msg ?

Selection

IPPP.include
arc_test_IPPP
arc_test_IPPP.local
arc_test_IPPP_complet

Actions

Edit

Remove

Select All

GINS

◆ PREPARS alone

◆ PREPARS and GINS

◆ GINS alone

Execution Options

Run

Stop

Messages

Login
SSH: Identity added: /home/tpgins/.ssh/id_rsa (/home/tpgins/.ssh/id_rsa)

Search for updates
###:
###: Mise à disposition de contenu_base_de_donnees dans /home/tpgins/gin/download
###:
###: Mise à disposition de WSBREF.res.dat dans /home/tpgins/gin/download
###:
###: Mise à disposition de macromodeles.xml dans /home/tpgins/gin/download

Available updates:
- new file (58103 KB): USER_TP.tar.gz
Go to the menu 'Update' to download updates

GINS default version : VALIDE_15_2_2

```
/home/tpgins $ ginspc-ihm.bash
```

```
macromodeles.xml
```

```
100% 1166KB 106.0KB/s 00:11
```

```
WSBREF.res.dat
```

```
100% 2082KB 45.3KB/s 00:46
```

```
contenu_base_de_donnees
```

```
100% 5712KB 68.8KB/s 01:23
```

Exit Identification -> Command file Refresh

Prefs Update Msg ?

Selection

IPPP.include
arc_test_IPPP
arc_test_IPPP.local
arc_test_IPPP_complet

Action

Check for updates

Download updates

Remove

Select All

GINS

◆ PREPARS alone

◆ PREPARS and GINS

◆ GINS alone

Execution Options

Run

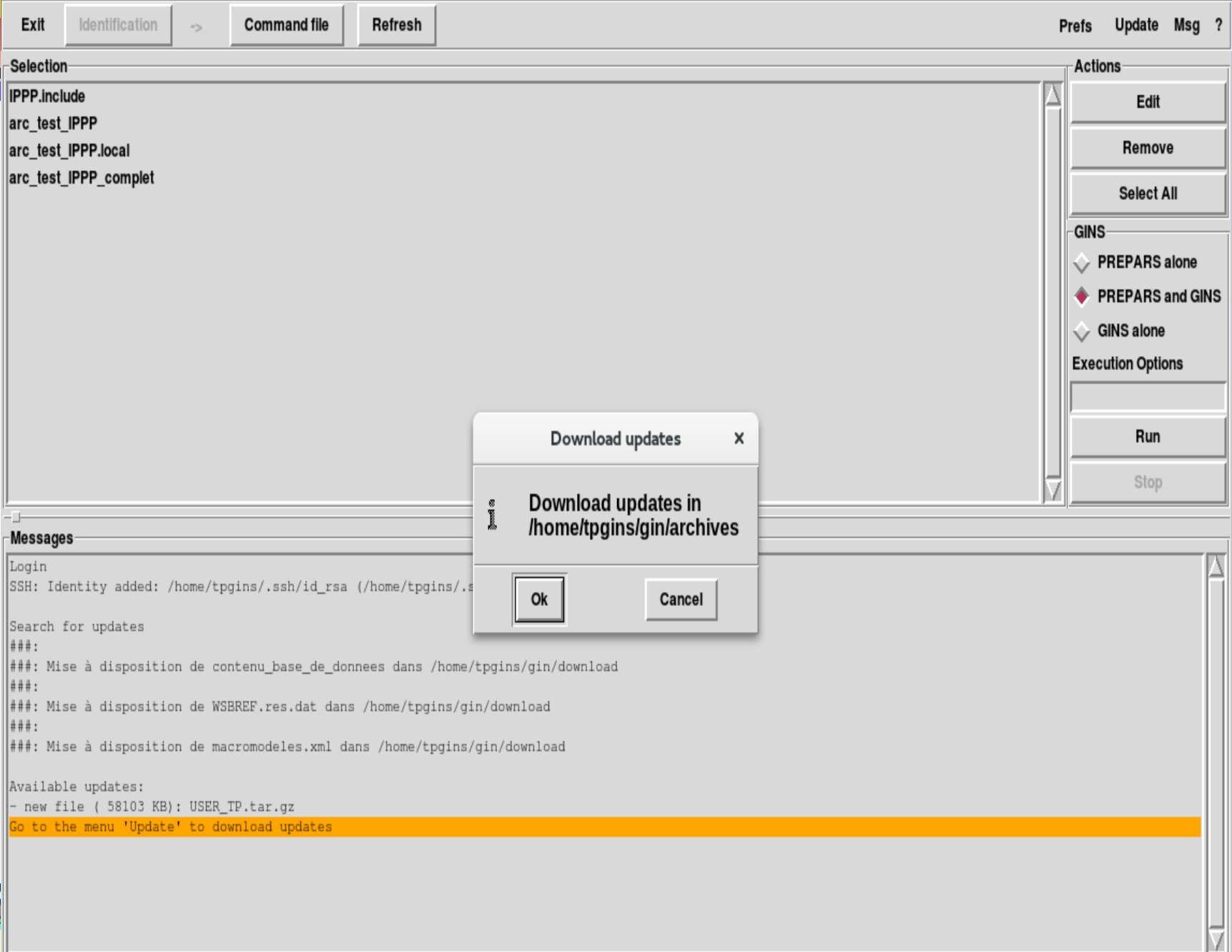
Stop

Messages

Login
SSH: Identity added: /home/tpgins/.ssh/id_rsa (/home/tpgins/.ssh/id_rsa)

Search for updates
###:
###: Mise à disposition de contenu_base_de_donnees dans /home/tpgins/gin/download
###:
###: Mise à disposition de WSBREF.res.dat dans /home/tpgins/gin/download
###:
###: Mise à disposition de macromodeles.xml dans /home/tpgins/gin/download

Available updates:
- new file (58103 KB): USER_TP.tar.gz
Go to the menu 'Update' to download updates



Exit Identification → Command file Refresh

Prefs Update Msg ?

Selection

IPPP.include
arc_test_IPPP
arc_test_IPPP.local
arc_test_IPPP_complet

Actions

Edit

Remove

Select All

GINS

◆ PREPARS alone

◆ PREPARS and GINS

◆ GINS alone

Execution Options

Run

Stop

Messages

Search for updates

###:
###: Mise à disposition de contenu_base_de_donnees dans /home/tpgins/gin/download
###:
###: Mise à disposition de WSBREF.res.dat dans /home/tpgins/gin/download
###:
###: Mise à disposition de macromodeles.xml dans /home/tpgins/gin/download

Available updates:

- new file (58103 KB): USER_TP.tar.gz

Go to the menu 'Update' to download updates

Download updates

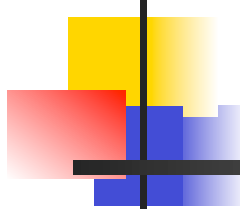
[1/2] (58103 ko) USER_TP.tar.gz

###:
###: Installation de la mise a jour de USER_TP.tar.gz

Downloads in the directory /home/tpgins/gin/archives ended

GINS default version : VALIDE_15_2_2

macromodeles.xml	100%	1166KB	106.0KB/s	00:11
WSBREF.res.dat	100%	2082KB	45.3KB/s	00:46
contenu_base_de_donnees	100%	5712KB	68.8KB/s	01:23
USER_TP.tar.gz	100%	57MB	370.1KB/s	02:37



GINS-PC:— special archives

- Contenu_base_de_données
 - Reference files
 - pole/eop97c04_itrf2008g
 - stations/ITRF2008_officiel
- Files for GPS softwares

Exit

Identification

->

Command file

Refresh

Prefs Update Msg ?

Selection

IPPP.Include
arc_test_IPPP
arc_test_IPPP.local
arc_test_IPPP_complet

Actions

Edit

Remove

Select All

GINS

☐ PREPARS alone☒ PREPARS and GINS☐ GINS alone

Execution Options

Run

Stop

Preferences

x

Default GINS version

VALIDE_15_2_2 ▾

OK

VALIDE_15_1

VALIDE_15_1_1

VALIDE_15_2

VALIDE_15_2_2

Messages

Search for updates

###:
###: Mise à disposition de contenu_base_de_donnees dans /home/tpgins/gin/download
###:
###: Mise à disposition de WSBREF.res.dat dans /home/tpgins/gin/download
###:
###: Mise à disposition de macromodeles.xml dans /home/tpgins/gin/download

Available updates:

- new file (58103 KB): USER_TP.tar.gz

Go to the menu 'Update' to download updates

Download updates

[1/2] (58103 ko) USER_TP.tar.gz

###:

###: Installation de la mise a jour de USER_TP.tar.gz

Downloads in the directory /home/tpgins/gin/archives ended

Exit Identification -> Command file Refresh

Prefs Update Msg ?

Selection

```

IPPP.include
arc_test_IPPP
arc_test_IPPP.local
arc_test_IPPP_complet

```

Actions

Edit

Remove

Select All

GINS

◆ PREPARS alone

◆ PREPARS and GINS

◆ GINS alone

Execution Options

Run

Stop

arc_test_IPPP - emacs@localhost.localdomain

x

File Edit Options Buffers Tools Help



```

version      : 14_2
include      : /home/marty/gin/data/directeur/IPPP.include
date         :
  arc_start   : [21920, 19.0]
  arc_stop    : [21921, 19.0]
  initial_state_vector_date : [21920, 19.0]
model        :
environment  :
  apriori_parameters : a_priori/valeurs_a_priori_PPP_gin
observation   :
  interobject data :
##### ATTENTION A NE PAS CHANGER L'ORDRE DES DEUX FICHIERS (-file) #####
#####
- file      : orbites/GR2
  name      : ephemerides_GNSS
- file      : TEST/TP/STRASBOURG_RE3/graz0060.10o
  name      : mesures_GNSS
parameter    :
  adjustment_parameters :
    stations :
      adjustment_type : [phase_center, all_stations]
      coordinates     : latitude_longitude_height
      adjustment_frequency : [0, 4, 0, 0]

```

Messages

Search for updates

```

###:
###: Mise à dispositio
###:
###: Mise à dispositio
###:
###: Mise à dispositio

```

Available updates:

```

- new file ( 58103 KB)
Go to the menu 'Update

```

Download updates

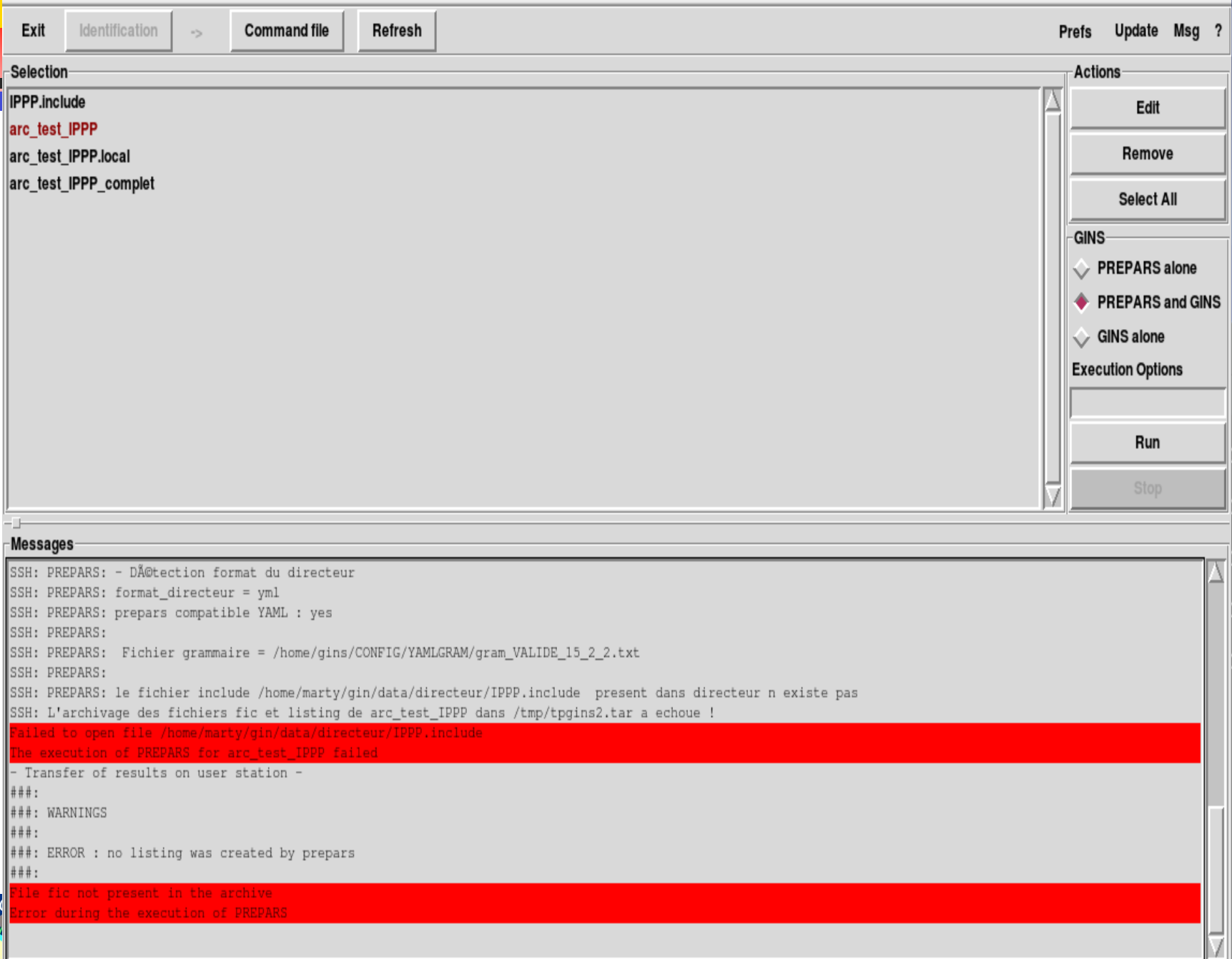
```

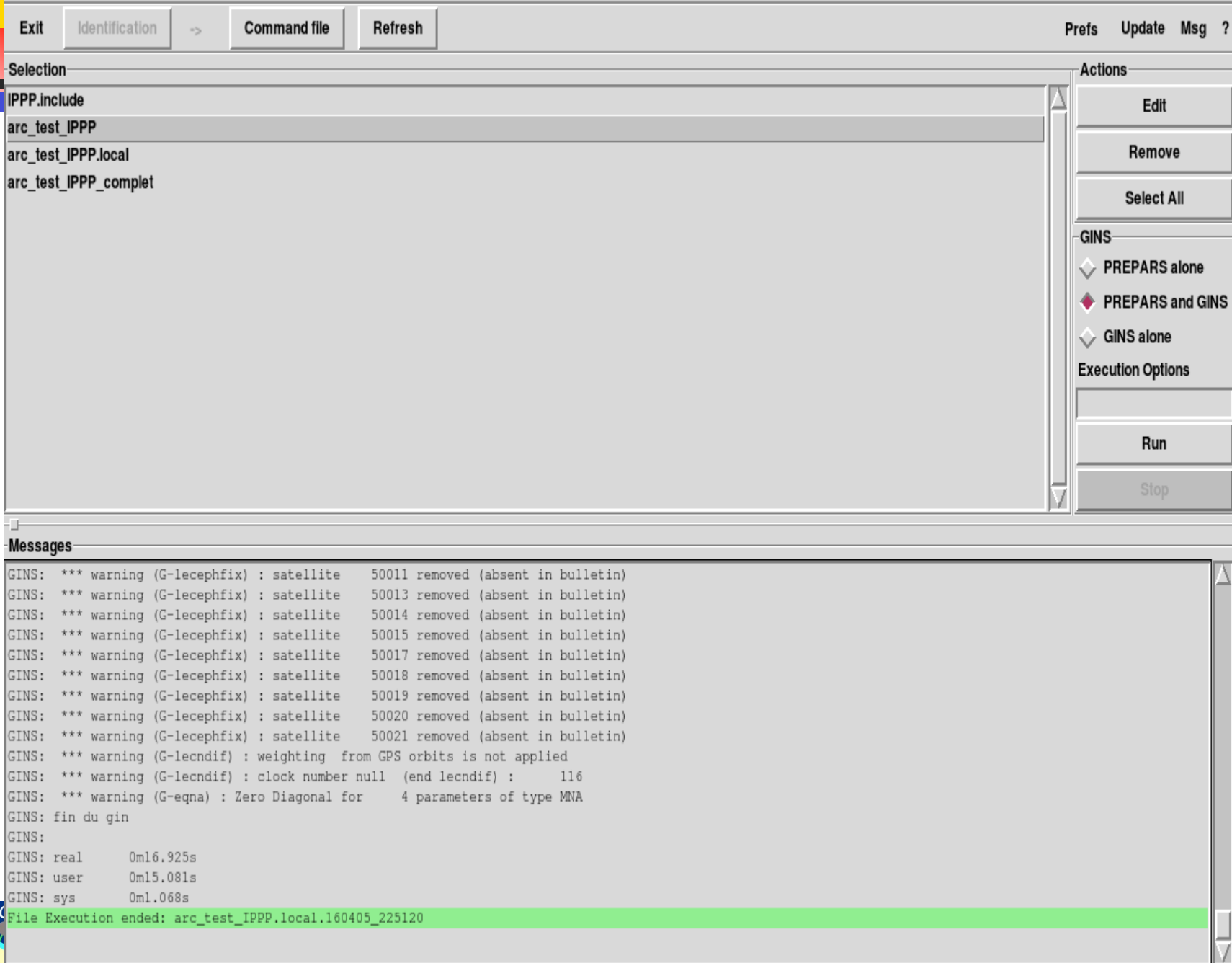
[1/2] ( 58103 ko) USEF
###:
###: Installation de
Downloads in the direc

```

-:--- arc_test_IPPP All L7 (Fundamental)

GINS default version : VALI menu-bar file one-window





GINs-PC tool: IHM – Preferences

- .ginspc file

```
# fichier de preferences pour l'application gins-pc

# $Id$

# format :

# <nom> = <valeur>
cmdPDF=kpdf
editeur=nedit
lang=en
User=tpgins2
versionGins=VALIDE_15_2_2

#archivesSrv = /export/berenice0/ginsatos/ginspc/archives
```

- options described in the On-line User Manual

- Different kind of practice
 - GNSS
 - Static and kinematic PPP
 - Local network
 - ...
 - LAGEOS (orbit computation)
 - GRACE and GOCE (Sean this afternoon)