PROVOR CTS5 – Graphical Interface
A new generation of float

nke
INSTRUMENTATION

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PROVOR CTS5
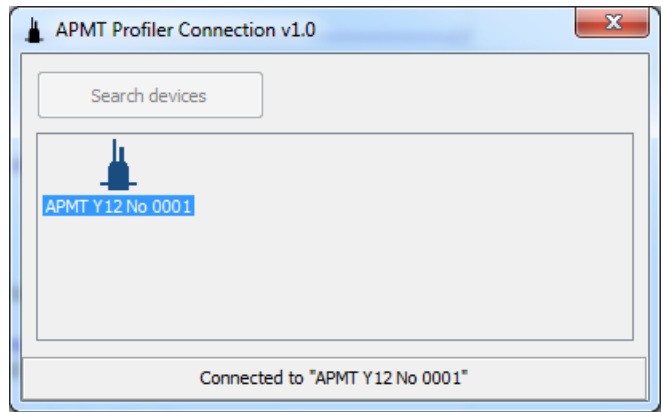
Graphical interface features

➢ With local files (offline):
- Set/change navigation and sensors settings
- Estimate data size and lifetime
- Check a configuration
- Generate remote command file

➢ Connected to the float:
- Change its configuration
- Make a diagnosis

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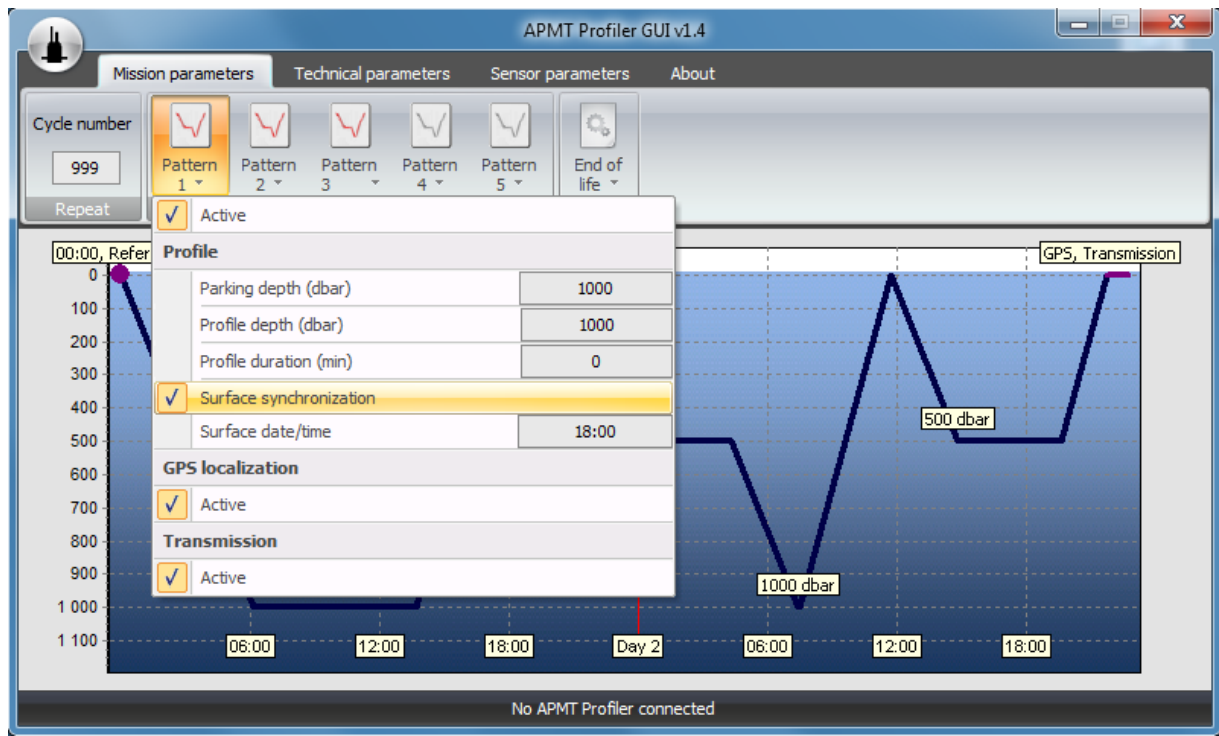## Navigation parameters

➢ Graphic representation:
  - Cycle/patterns
  - Depths
  - Time (synchronization, duration)
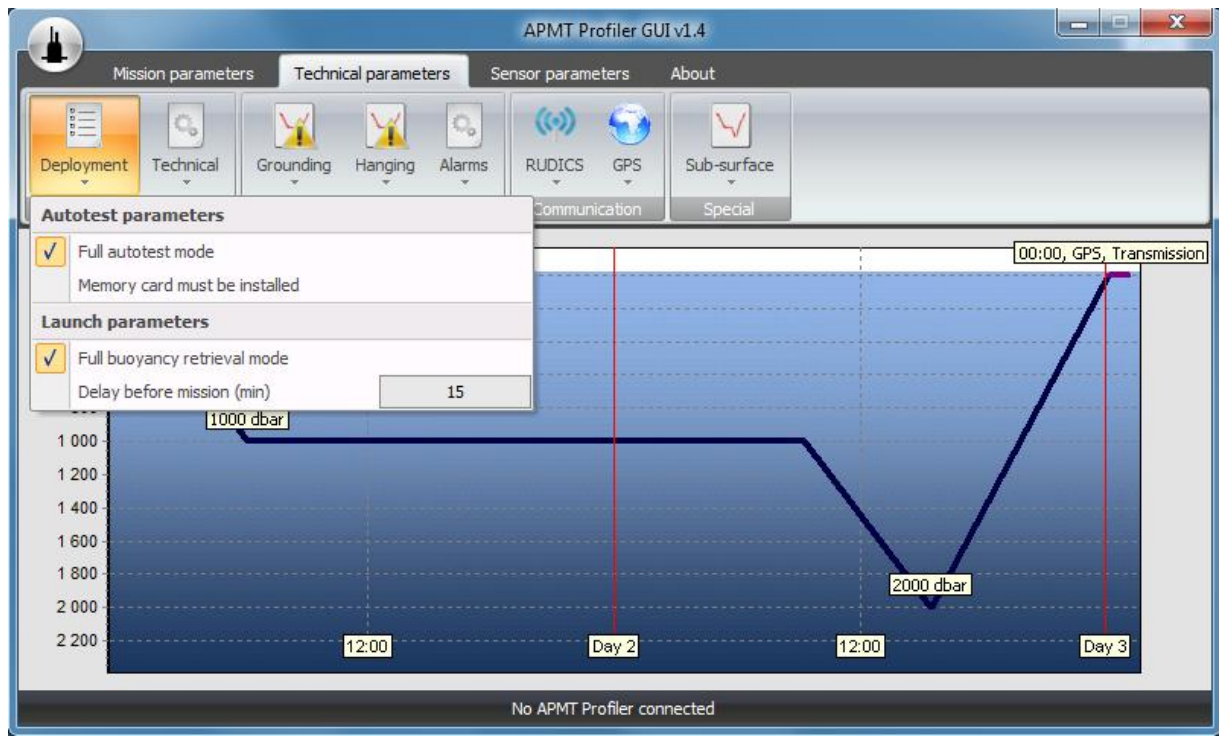
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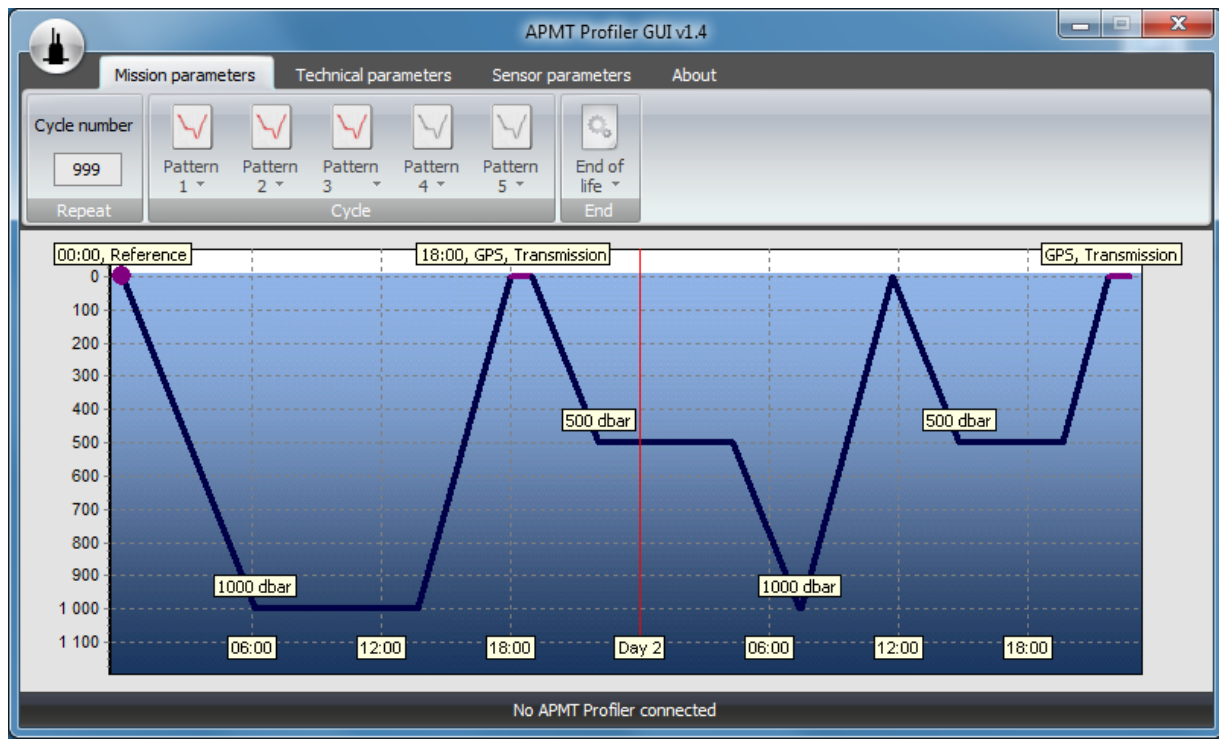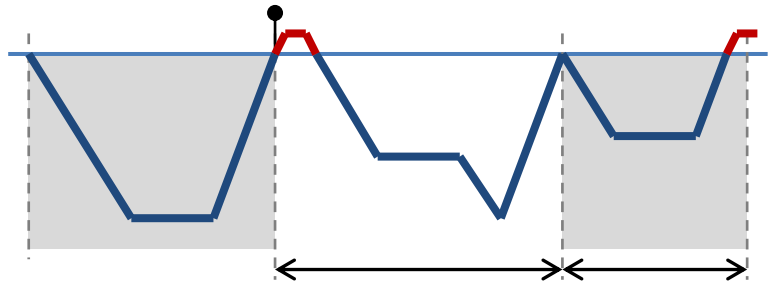
Navigation parameters

➢ Set/change navigation parameters:
- Enable/disable patterns
- Profile settings
- Surface session

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Technical parameters

➢ Set/change technical parameters:
- Deployment mode
- Security strategies
- …

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Sensor parameters

➢ Set/change acquisition parameters:
- Power mode
- Sampling period
- Processing type

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Estimate configuration impact
➢ Estimate data size generated per sensor/per profile
➢ Estimate lifetime of the float

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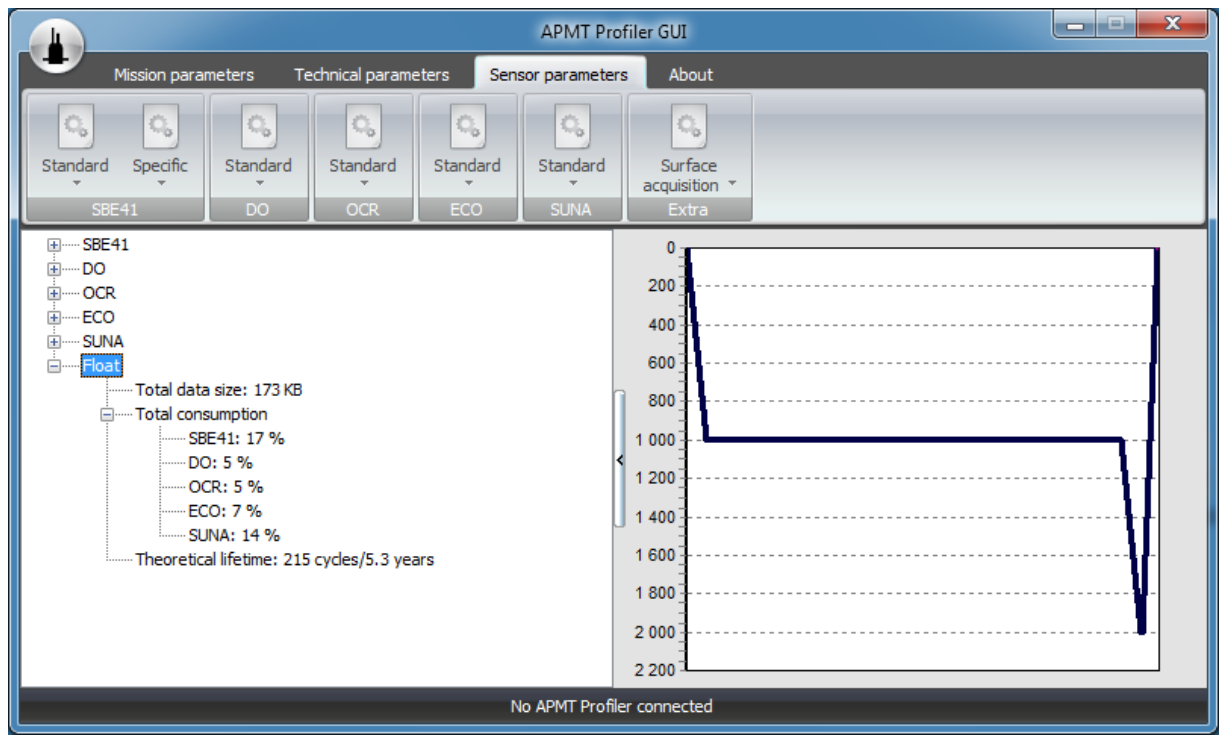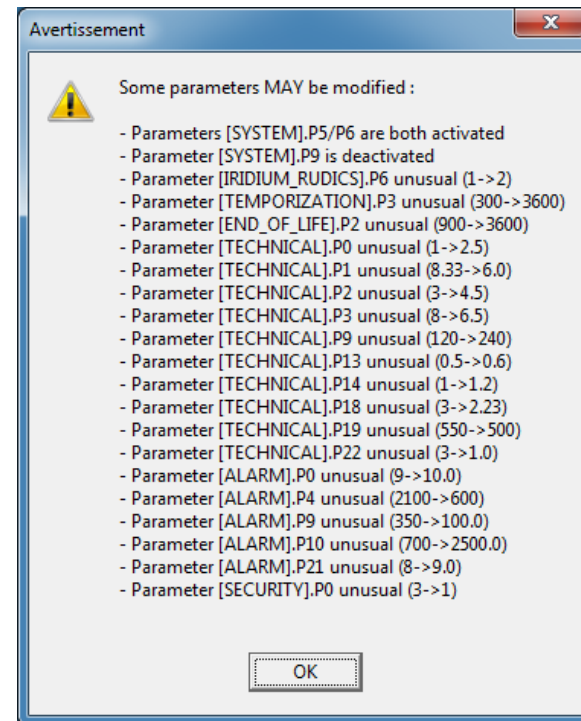
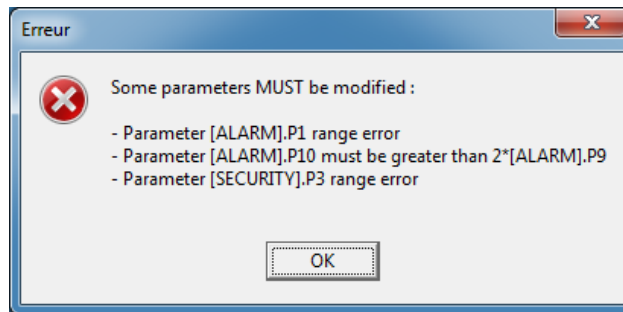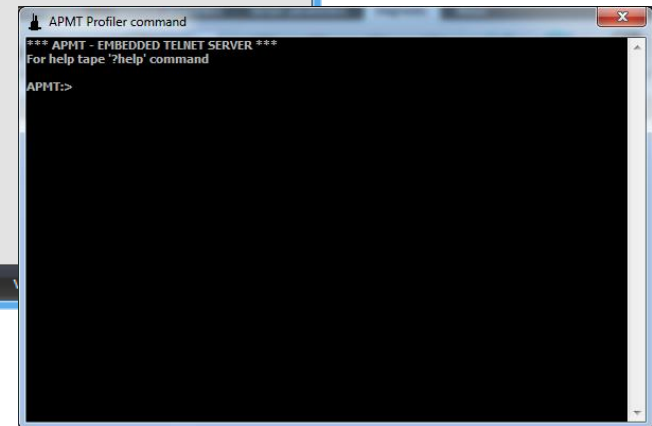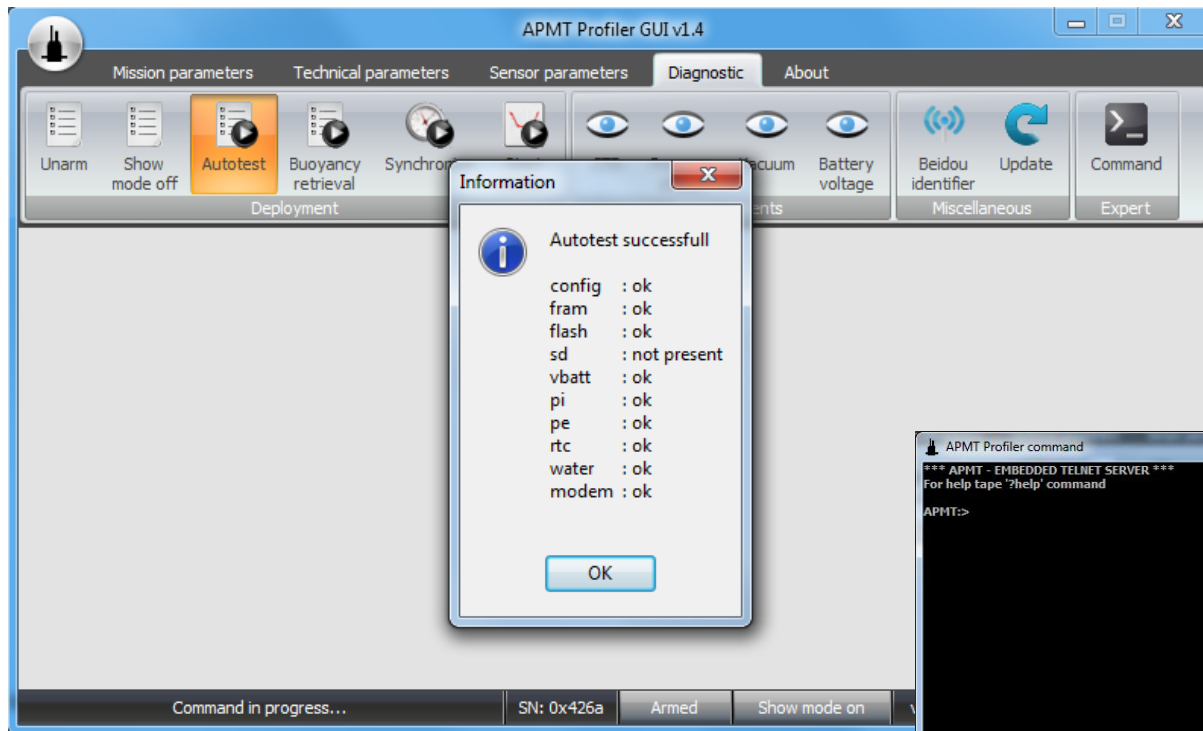## Check a configuration

➢ Configuration check results:
- What MUST be modified because of non-valid settings
- What MAY be modified because of non-standard settings

Erreur [x]

❌ Some parameters MUST be modified :

- Parameter [ALARM].P1 range error
- Parameter [ALARM].P10 must be greater than 2*[ALARM].P9
- Parameter [SECURITY].P3 range error

[OK]

Avertissement [x]

⚠ Some parameters MAY be modified :

- Parameters [SYSTEM].P5/P6 are both activated
- Parameter [SYSTEM].P9 is deactivated
- Parameter [IRIDIUM_RUDICS].P6 unusual (1->2)
- Parameter [TEMPORIZATION].P3 unusual (300->3600)
- Parameter [END_OF_LIFE].P2 unusual (900->3600)
- Parameter [TECHNICAL].P0 unusual (1->2.5)
- Parameter [TECHNICAL].P1 unusual (8.33->6.0)
- Parameter [TECHNICAL].P2 unusual (3->4.5)
- Parameter [TECHNICAL].P3 unusual (8->6.5)
- Parameter [TECHNICAL].P9 unusual (120->240)
- Parameter [TECHNICAL].P13 unusual (0.5->0.6)
- Parameter [TECHNICAL].P14 unusual (1->1.2)
- Parameter [TECHNICAL].P18 unusual (3->2.23)
- Parameter [TECHNICAL].P19 unusual (550->500)
- Parameter [TECHNICAL].P22 unusual (3->1.0)
- Parameter [ALARM].P0 unusual (9->10.0)
- Parameter [ALARM].P4 unusual (2100->600)
- Parameter [ALARM].P9 unusual (350->100.0)
- Parameter [ALARM].P10 unusual (700->2500.0)
- Parameter [ALARM].P21 unusual (8->9.0)
- Parameter [SECURITY].P0 unusual (3->1)

[OK]

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Make the diagnosis of a float
➢ Execute basic commands
➢ Use command interpreter for specific actions

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Change configuration remotely

➢ Generate a listing of changes detected and remotely modifiable
➢ Generate a remote command file

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Merci !