MV-Plan Internationalisation

The visible text strings for Mvplan are contained in a language resource file within the application JAR file called:

`\mvplan\resources\strings.properties`

When MV-Plan starts it checks the computer's default location (or locale) and looks for a language specific version of this file, e.g. for french it looks for:

`\mvplan\resources\strings_fr.properties`

If this is found then it is used. Otherwise the default (english) file is used.

This means that adding language support is simply a matter of inserting an additional resource file within MV-Plan.

Creating a resource file

The simplest way to create a new language file is to extract the english version by opening MV-Plan.jar using WinZIP and copying the `\mvplan\resources\strings.properties` file.

The file is composed of a number of property entries. Each one comprises a key / value pair. E.G.

`mvplan.gui.MainFrame.exitButton.text = Exit`

The `mvplan.gui.MainFrame.exitButton.text` is the key, and `Exit` is the value.

So changing the `Exit` to something else causes this new string to be used. E.G.

`mvplan.gui.MainFrame.exitButton.text = Sortie`

Note that some properties have HTML text. This is used to add formatting capabilities. Just try to work within the existing tags.

The properties are listed in a hierarchical manner, so for example all the text strings for the main screen start with:

`mvplan.gui.MainFrame`

Then the remainder is typically fairly self explanatory.

Missing Properties

If a property is accidentally deleted then the GUI will show this by replacing the missing string with the property name in brackets. E.G. if you delete the entry for the exit button, it will display:

`<mvplan.gui.MainFrame.exitButton.text>`

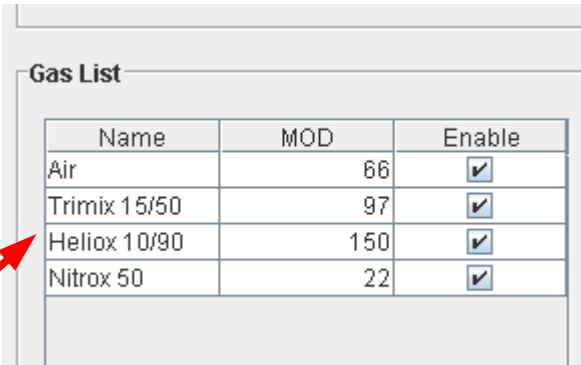(or try to if it will fit).

Index to GUI Components

System wide strings

```
# System wide strings
mvplan.helium.shortText = He
mvplan.oxygen.shortText = O2
mvplan.nitrogen.shortText = N2
mvplan.mod.shortText = MOD
mvplan.minutes.shortText = min
mvplan.meters.shortText = m
mvplan.feet.shortText = ft
mvplan.gas.shortText = Gas
mvplan.sp.shortText = SP
mvplan.run.shortText = Run
mvplan.run.char = R
mvplan.stop.char = S
mvplan.litres.shortText = L
mvplan.cuft.shortText = cuft
mvplan.bar.text = Bar
mvplan.disclaimer.text = \nWARNING: This software is experimental\nand should
not be relied upon for actual dives.\nIt probably contains errors and may get
you bent.\n

# General purpose strings
mvplan.ok.text = OK
mvplan.ok.tip = Save and return
mvplan.cancel.text = Cancel
```

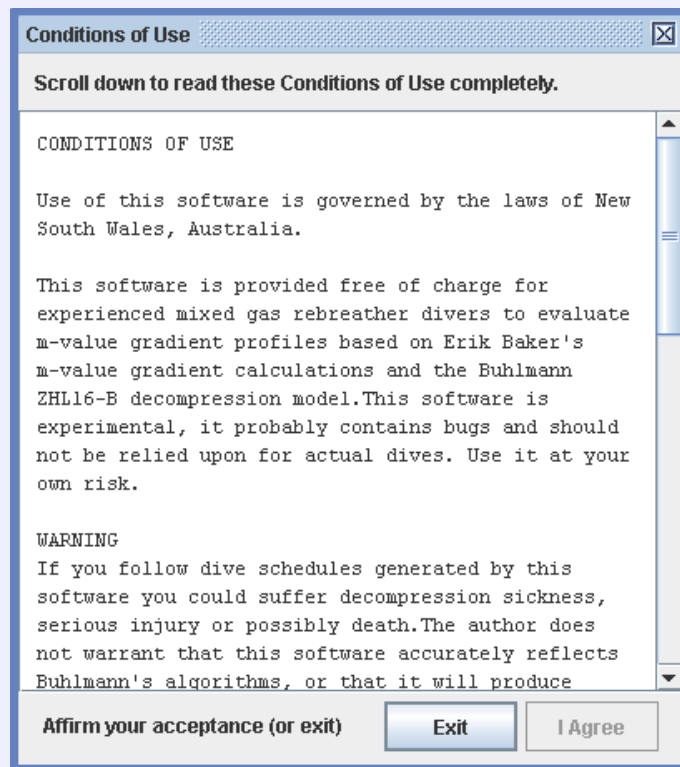These are used in a variety of places for common terms

Gas Names


```
######################
# mvplan.gas.Gas
# gas names
mvplan.gas.Gas.heliox = Heliox
mvplan.gas.Gas.trimix = Trimix
mvplan.gas.Gas.oxygen = Oxygen
mvplan.gas.Gas.nitrox = Nitrox
mvplan.gas.Gas.air = Air
```

Terms Acceptance


```
######################
# mvplan.gui.TermsAcceptance
mvplan.gui.TermsAcceptance.infoLabel.text = Scroll down to read these Conditions
of Use completely.
mvplan.gui.TermsAcceptance.title.text = Conditions of Use
mvplan.gui.TermsAcceptance.okButton.text = I Agree
mvplan.gui.TermsAcceptance.cancelButton.text = Exit
mvplan.gui.TermsAcceptance.instructionsLabel.text = Affirm your acceptance (or
exit)
mvplan.gui.TermsAcceptance.exitButton.tip = Exit the application
mvplan.gui.TermsAcceptance.agreeButton.tip = <html><body><p>Click to affirm your
acceptance.</p><p>Scroll down completely to enable this
button.</p></body></html>
```

Table Preview Dialog
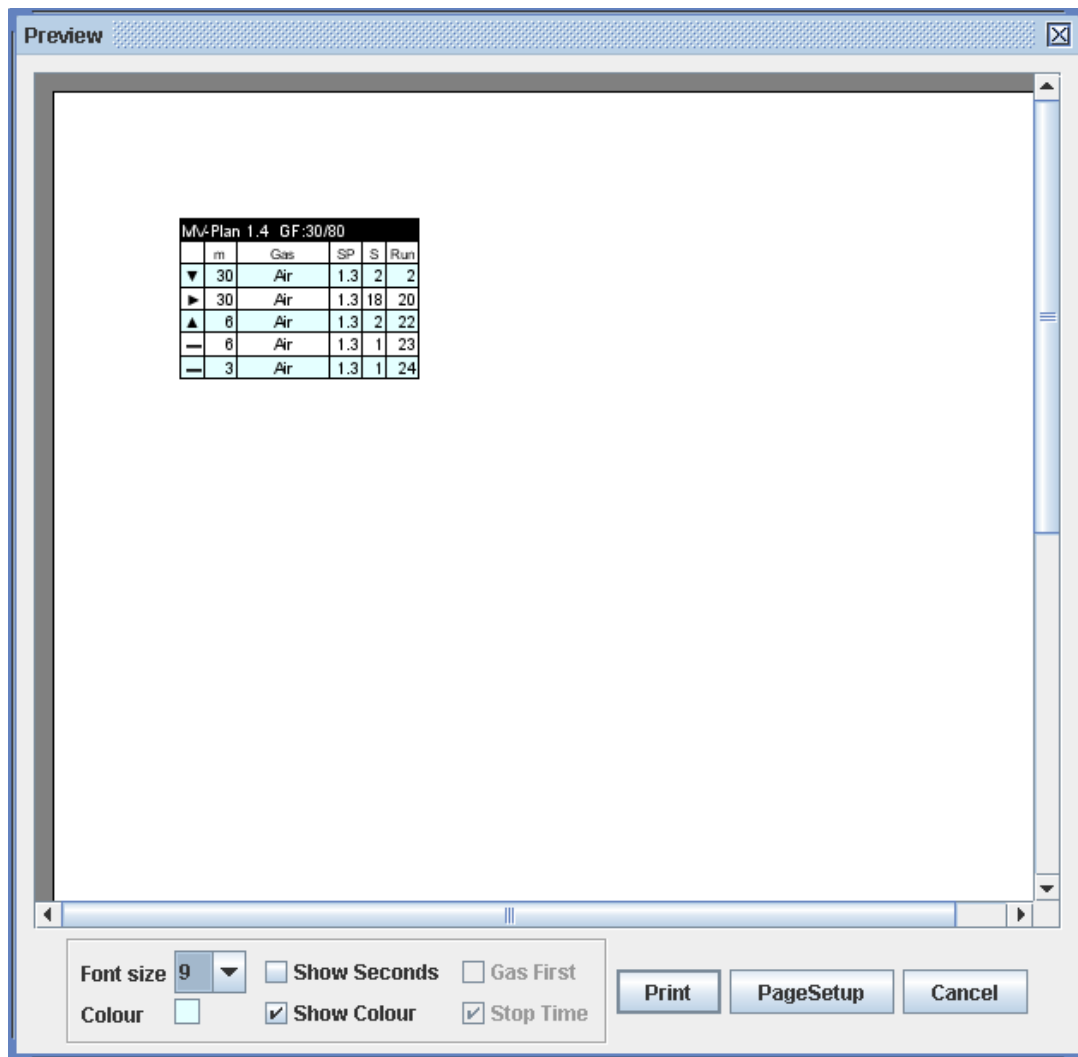

```
#######################
# mvplan.gui.TablePreviewDialog
mvplan.gui.TablePreviewDialog.title.text = Preview
mvplan.gui.TablePreviewDialog.print.text = Print
mvplan.gui.TablePreviewDialog.cancel.text = Cancel
mvplan.gui.TablePreviewDialog.pageSetup.text = PageSetup
mvplan.gui.TablePreviewDialog.stopTime.text = Stop Time
mvplan.gui.TablePreviewDialog.gasFirst.text = Gas First
mvplan.gui.TablePreviewDialog.showSeconds.text = Show Seconds
mvplan.gui.TablePreviewDialog.showColour.text = Show Colour
mvplan.gui.TablePreviewDialog.colour.tip = Choose background colour.
mvplan.gui.TablePreviewDialog.fontSize.text = Font size
mvplan.gui.TablePreviewDialog.colour.text = Colour
mvplan.gui.TablePreviewDialog.showSeconds.tip = Display stop time and runtime in
mm:ss format.
mvplan.gui.TablePreviewDialog.useColour.tip = Use colour shading in dive table.
mvplan.gui.TablePreviewDialog.error.text = Unable to print.
mvplan.gui.TablePreviewDialog.error.title = Printer Error
mvplan.gui.TablePreviewDialog.colourChooser.title = Background Colour
```

GUI Main Screen
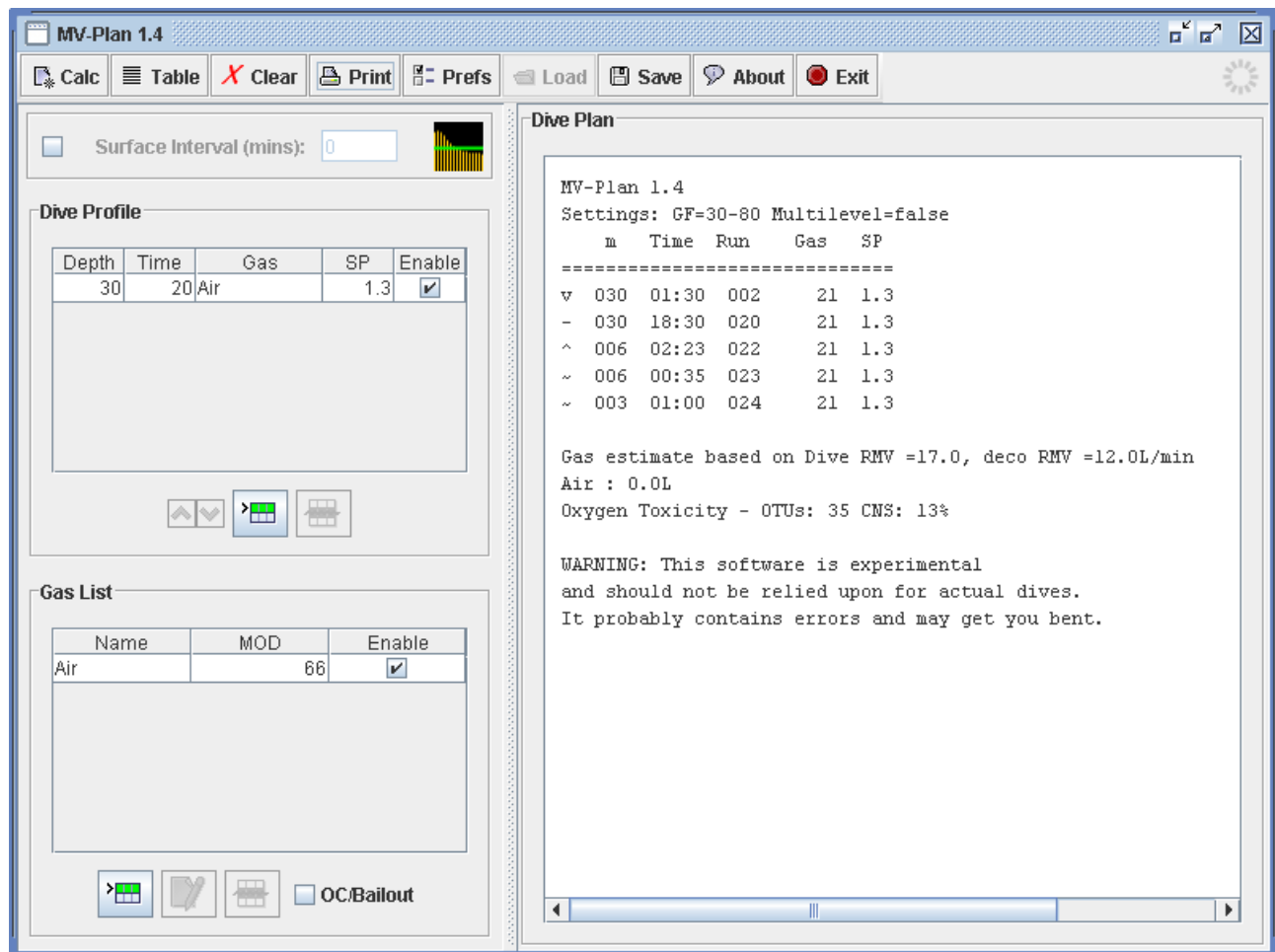

```
#####################
# mvplan.gui.MainFrame
mvplan.gui.MainFrame.calcButton.text = Calc
mvplan.gui.MainFrame.calcButton.tip = Calculate Dive
mvplan.gui.MainFrame.tableButton.text = Table
mvplan.gui.MainFrame.tableButton.tip = Table generator.
mvplan.gui.MainFrame.clearButton.text = Clear
mvplan.gui.MainFrame.clearButton.tip = Clear current dive.
.. SNIP ...
```

Miscellaneous Dialogs

```
##########
# dialogs
```



```
mvplan.gui.MainFrame.updateAvailableDialog.title.text = Update Available
mvplan.gui.MainFrame.updateAvailableDialog.info1.text = A newer version of MV-
Plan is available.
mvplan.gui.MainFrame.updateAvailableDialog.info2.text = Download from:
mvplan.gui.MainFrame.updateAvailableDialog.info3.text = <html><p><font
color=\"#0000FF\"><u>http://wittig.net.au</u></font></p>
```
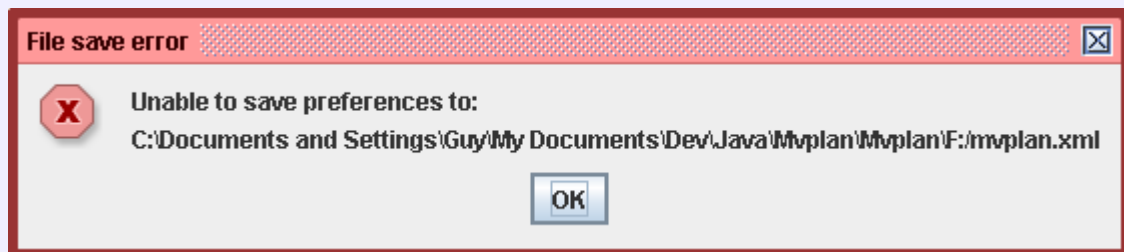


```
mvplan.gui.MainFrame.prefsSaveErrorDialog.title.text = File save error
mvplan.gui.MainFrame.prefsSaveErrorDialog.info.text = Unable to save preferences
to:
```
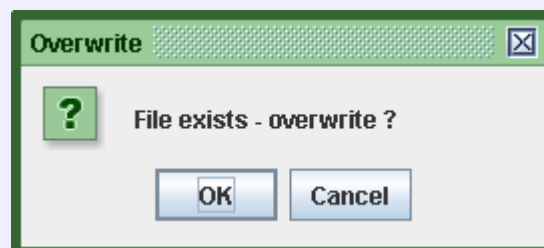


```
mvplan.gui.MainFrame.saveModelOverwriteDialog.text = File exists - overwrite ?
mvplan.gui.MainFrame.saveModelOverwriteDialog.title = Overwrite
```
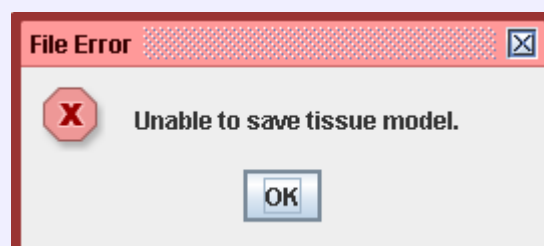


```
mvplan.gui.MainFrame.saveModelErrorDialog.text = Unable to save tissue model.
mvplan.gui.MainFrame.saveModelErrorDialog.title = File Error
```
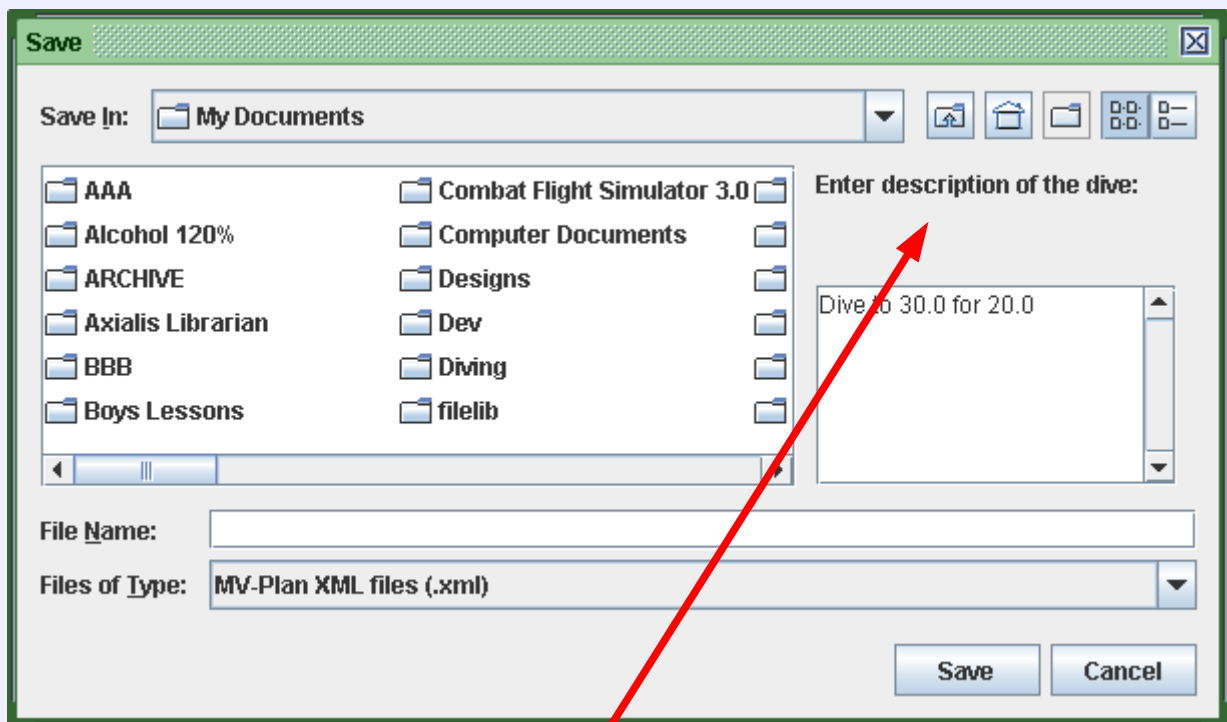
```
mvplan.gui.MainFrame.saveModelAccessory.text =  <html><body>Enter description of
the dive:</body></html>
```
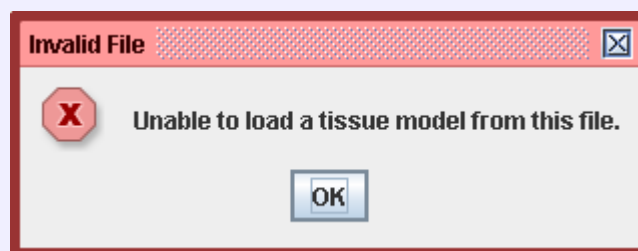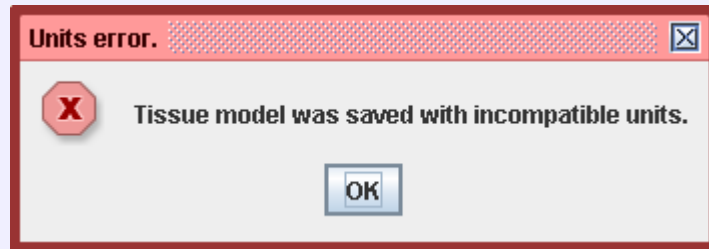


```
mvplan.gui.MainFrame.loadModelErrorDialog.text =  Unable to load a tissue model
from this file.
mvplan.gui.MainFrame.loadModelErrorDialog.title = Invalid File
```
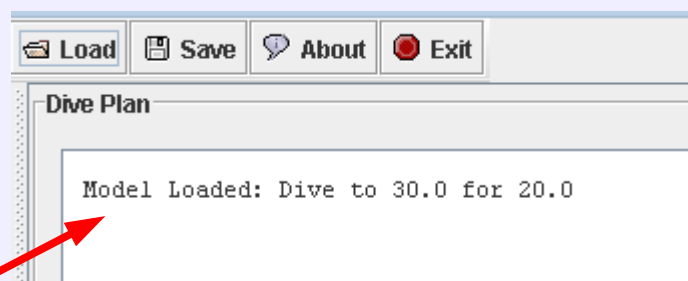


```
mvplan.gui.MainFrame.loadModelSuccess.text = Model loaded:
```

mvplan.gui.MainFrame.loadModelUnitErrorDialog.text = Tissue model was saved with incompatible units.
mvplan.gui.MainFrame.loadModelUnitErrorDialog.title = Units error.

<TO BE SHOWN – HARD TO GENERATE THIS>

mvplan.gui.MainFrame.ceilingViolation.text = Violated ceiling ascending to specified segment.
mvplan.gui.MainFrame.ceilingViolation.title= Ceiling Violation
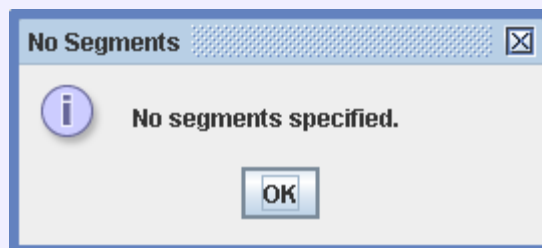
mvplan.gui.MainFrame.noSegments.text = No segments specified.
mvplan.gui.MainFrame.noSegments.title = No Segments

<TO BE SHOWN – HARD TO GENERATE THIS>

mvplan.gui.MainFrame.processingError.text = An error occurred processing this dive.
mvplan.gui.MainFrame.processingError.title = Processing Error
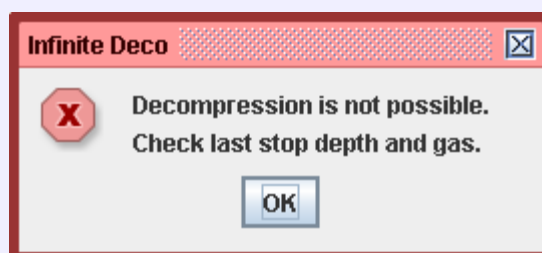
mvplan.gui.MainFrame.decoNotPossible.text = Decompression is not possible.\nCheck last stop depth and gas.
mvplan.gui.MainFrame.decoNotPossible.title = Infinite Deco
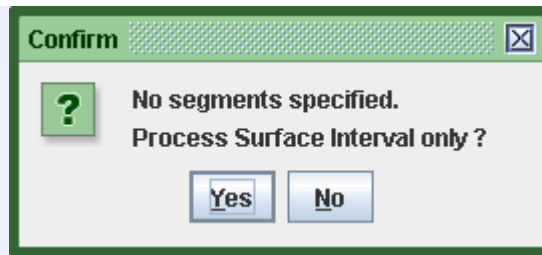
```
mvplan.gui.MainFrame.noSegmentsDoSurfaceInterval.text = No segments
specified.\nProcess Surface Interval only ?
mvplan.gui.MainFrame.noSegmentsDoSurfaceInterval.title = Confirm
```

Preferences
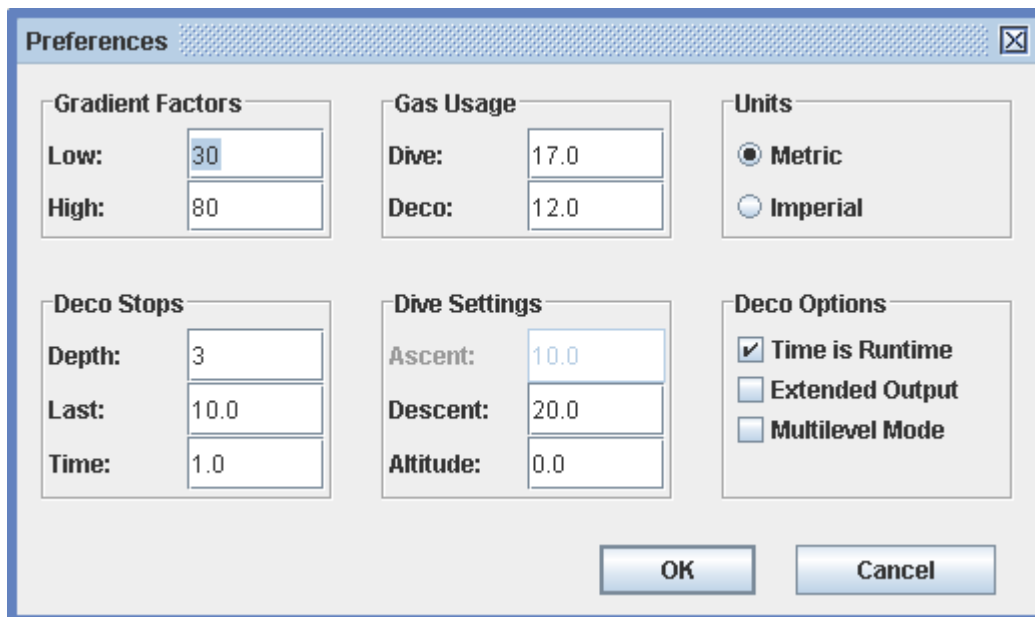

```
##############
# Prefs Dialog
mvplan.gui.PrefsDialog.title = Preferences
mvplan.gui.PrefsDialog.GfBorder.text = Gradient Factors
mvplan.gui.PrefsDialog.gfLow.tip = Low gradient factor, e.g. 10 - 50
mvplan.gui.PrefsDialog.gfHigh.tip = High gradient factor, e.g. 70 - 90
mvplan.gui.PrefsDialog.gfLowLabel.text = Low:
mvplan.gui.PrefsDialog.gfHighLabel.text = High:
mvplan.gui.PrefsDialog.StopBorder.text = Deco Stops
... SNIP ...
```

About Dialog
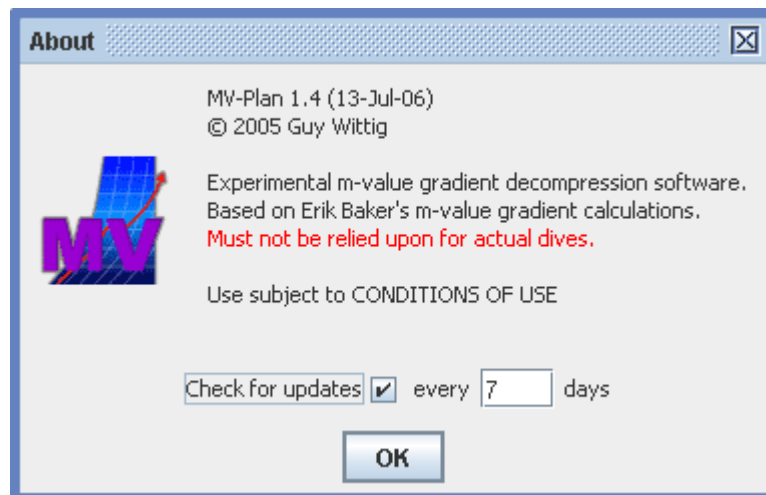

```
##############################
# About Dialog - contains HTML
######################
# mvplan.gui.aboutDialog
mvplan.gui.aboutDialog.check.text = Check for updates
mvplan.gui.aboutDialog.every.text = every
mvplan.gui.aboutDialog.days.text = days
mvplan.gui.aboutDialog.logo.tip = Go to MV-Plan Web Site
mvplan.gui.aboutDialog.updateFrequency.tip = Enter 0 (always) to 365
mvplan.gui.MainFrame.AboutDialog.version.text = (version
mvplan.gui.MainFrame.AboutDialog.about.text = <p>Experimental m-value gradient
decompression software.</p>\n<p>Based on Erik Baker's m-value gradient
calculations.</p>\
                                        <p><font color=\"#ff0000\">Must
not be relied upon for actual dives.</font></p><p>&nbsp</p>\
                                        <p>Use subject to CONDITIONS OF
USE</p><p>&nbsp</p>

# Uncomment the following line to add your name to the credits on the About
dialog
#mvplan.gui.Mainframe.AboutDialog.localisedBy.text = <p>Localised by Your
Name</p>
```
NOTE: You can enter your name here for credit.

Dive Plan Output
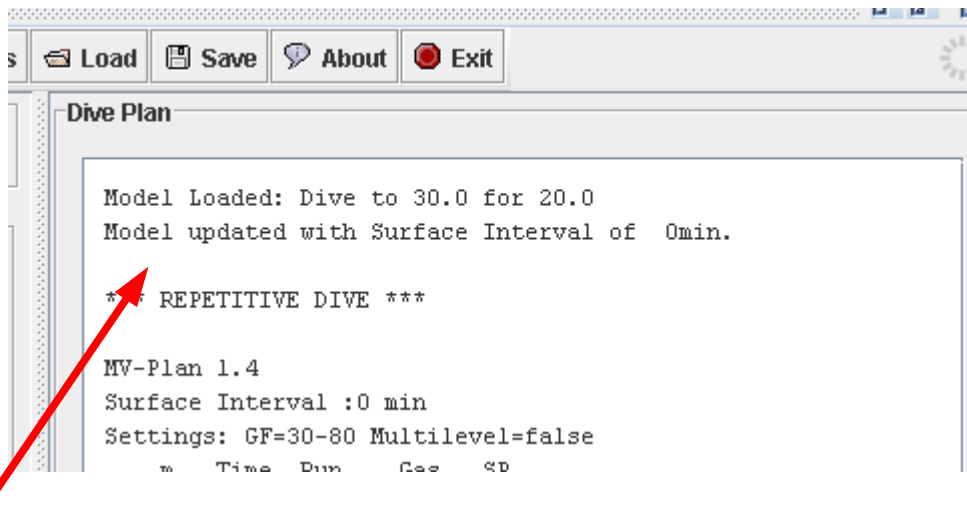

```
####################
# Dive Plan outputs
mvplan.gui.MainFrame.loadModel.modelLoaded.text = Model Loaded:
mvplan.gui.MainFrame.modelUpdated.text = Model updated with Surface Interval of
```

Gas Dialog
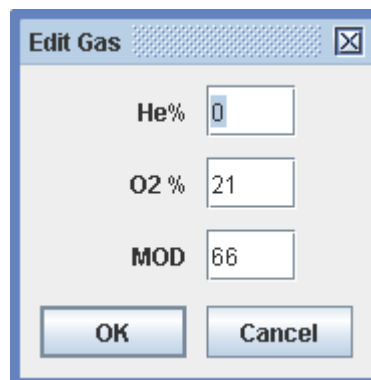

```
######################
# mvplan.gui.GasDialog
mvplan.gui.GasDialog.title = Edit Gas
mvplan.gui.GasDialog.okButton.text = OK
mvplan.gui.GasDialog.cancelButton.text = Cancel
mvplan.gui.GasDialog.mod.tip = Maximum Operating Depth, or switch depth.
mvplan.gui.GasDialog.oxygen.tip = Oxygen fraction (1-100)
mvplan.gui.GasDialog.helium.tip = Helium fraction (0-100)
```

Table Generator Dialog
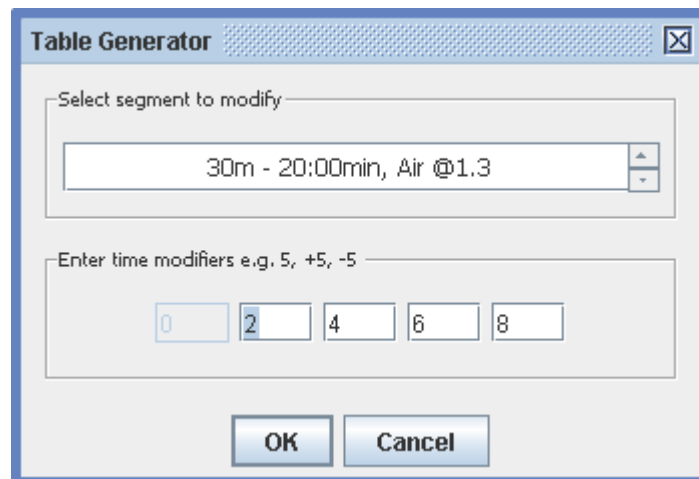

```
#####################
# mvplan.gui.TableGeneratorDialog
mvplan.gui.TableGeneratorDialog.title = Table Generator
mvplan.gui.TableGeneratorDialog.segmentLabel.text = Select segment to modify
mvplan.gui.TableGeneratorDialog.segmentTip.text = Select dive segment to apply
time modifiers to
mvplan.gui.TableGeneratorDialog.modifierLabel.text = Enter time modifiers e.g.
5, +5, -5
mvplan.gui.TableGeneratorDialog.modifierTip.text = Time modifiers are added to
selected segment stop time. First column is always 0.
mvplan.gui.TableGeneratorDialog.noSegments.text = No valid segments found.
mvplan.gui.TableGeneratorDialog.okButton.text = OK
mvplan.gui.TableGeneratorDialog.cancelButton.text = Cancel
```

Profile Output on main window – extended output


```
MV-Plan 1.4
Settings: GF=30-80 Multilevel=false ppH2O=0.627 msw
====================================================
DESC: 30m for 01:30 [  2] on Air, SP: 1.3, END: 24m
DIVE: 30m for 18:30 [ 20] on Air, SP: 1.3, END: 24m
ASC : 10m for 02:00 [ 22] on Air, SP: 1.3, END:  0m
DECO: 10m for 00:59 [ 23] on Air, SP: 1.3, END:  0m M-Value: 53% [O2], GF:

Gas estimate based on Dive RMV =17.0, deco RMV =12.0L/min
Heliox 10/90 : 0.0L
Trimix 15/50 : 0.0L
Air : 0.0L
Nitrox 50 : 0.0L
Oxygen Toxicity - OTUs: 34 CNS: 12%

WARNING: This software is experimental
and should not be relied upon for actual dives.
It probably contains errors and may get you bent.
```

```
####################
# mvplan.gui.text.ProfilePrinter
# Extended output
mvplan.gui.text.ProfilePrinter.repetitiveDive.text =  *** REPETITIVE DIVE ***
mvplan.gui.text.ProfilePrinter.surfaceInterval.text = Surface Interval :
mvplan.gui.text.ProfilePrinter.settings.text = Settings: GF
mvplan.gui.text.ProfilePrinter.multilevel.text = Multilevel
mvplan.gui.text.ProfilePrinter.pph2o.text = ppH2O
mvplan.gui.text.ProfilePrinter.seaWater.shortText = sw
mvplan.gui.text.ProfilePrinter.gasEstimate.text = Gas estimate based on Dive RMV
mvplan.gui.text.ProfilePrinter.decoRmv.text = deco RMV
mvplan.gui.text.ProfilePrinter.oxygenToxcicity.text = Oxygen Toxicity - OTUs:
mvplan.gui.text.ProfilePrinter.cns.text = CNS
mvplan.gui.text.ProfilePrinter.warningPpO2.text = WARNING: Maximum ppO2 on this
dive is
mvplan.gui.text.ProfilePrinter.atmCnsEstimate.text = atm. CNS is estimated only.
# Standard output (uses some of the above strings)
mvplan.gui.text.ProfilePrinter.heading.text = Time  Run    Gas    SP
# Altitude messages
mvplan.gui.text.altitude.text = Altitude:
mvplan.gui.text.altitudeCalibration.text = calibrated depth.
```

Profile output on main window – standard output

```
Load   Save   About   Exit

Dive Plan

    MV-Plan 1.4
    Settings: GF=30-80 Multilevel=false ppH20=0.627 msw
    ===================================================
    DESC: 30m for 01:30 [  2] on Air, SP: 1.3, END: 24m
    DIVE: 30m for 18:30 [ 20] on Air, SP: 1.3, END: 24m
    ASC : 10m for 02:00 [ 22] on Air, SP: 1.3, END:  0m
    DECO: 10m for 00:59 [ 23] on Air, SP: 1.3, END:  0m M-Value: 53% [O2], GF:

    Gas estimate based on Dive RMV =17.0, deco RMV =12.0L/min
    Heliox 10/90 : 0.0L
    Trimix 15/50 : 0.0L
    Air : 0.0L
    Nitrox 50 : 0.0L
    Oxygen Toxicity - OTUs: 34 CNS: 12%

    WARNING: This software is experimental
    and should not be relied upon for actual dives.
    It probably contains errors and may get you bent.
```

```
####################
# mvplan.gui.text.TablePrinter
mvplan.gui.text.tablePrinter.maxPp02.text = WARNING: Maximum ppO2 on these dives
is:
mvplan.gui.text.tablePrinter.cnsEstimated.text = atm.  CNS is estimated only.
mvplan.gui.text.tablePrinter.oxTox.text = Oxygen Toxicity - Max CNS:
```

Profile Display Popup
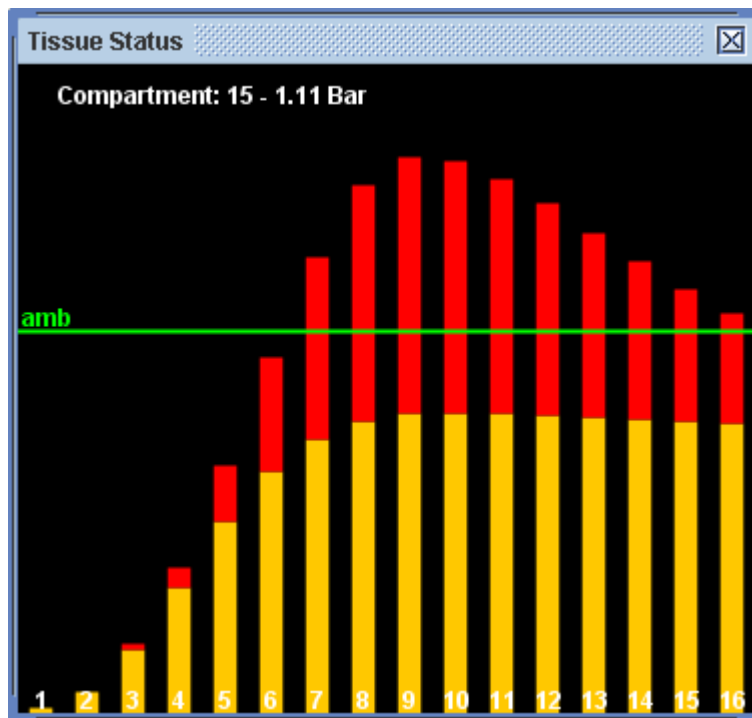

```
####################
# mvplan.gui.components.ModelDisplayComponent
# Displays graphical representation of tissue compartments
mvplan.gui.components.ModelDisplayComponent.compartment.text = Compartment
mvplan.gui.MainFrame.profilePopup.title.text = Tissue Status
```