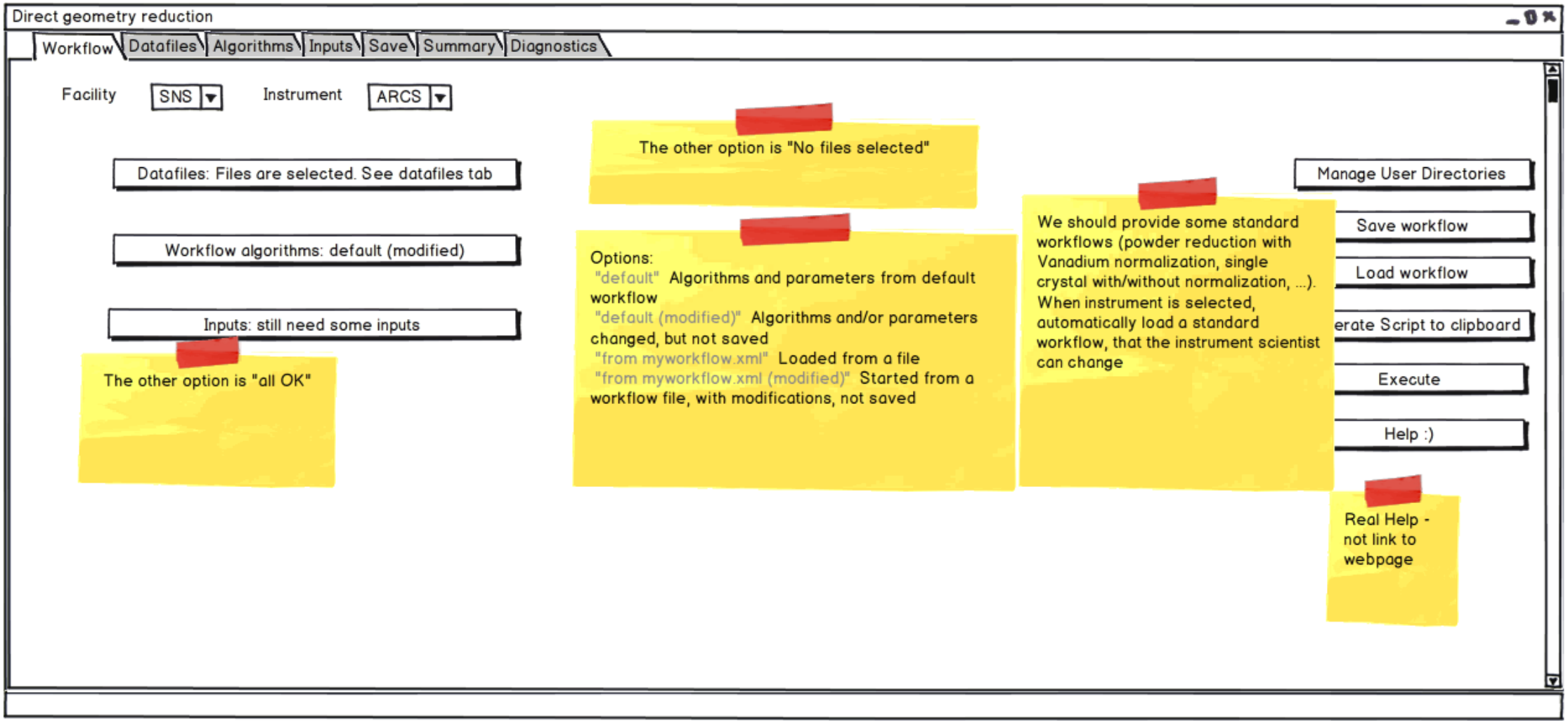
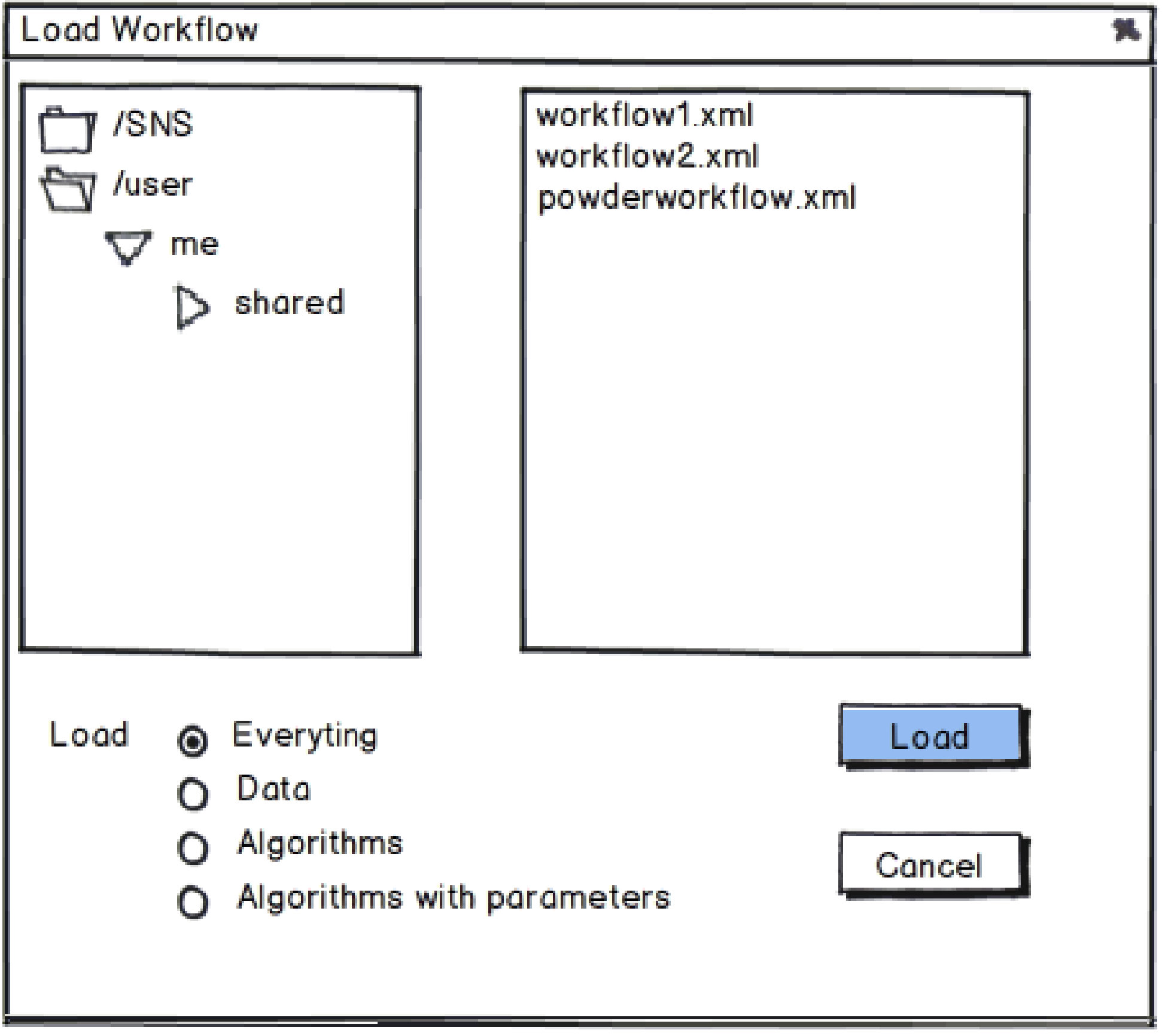
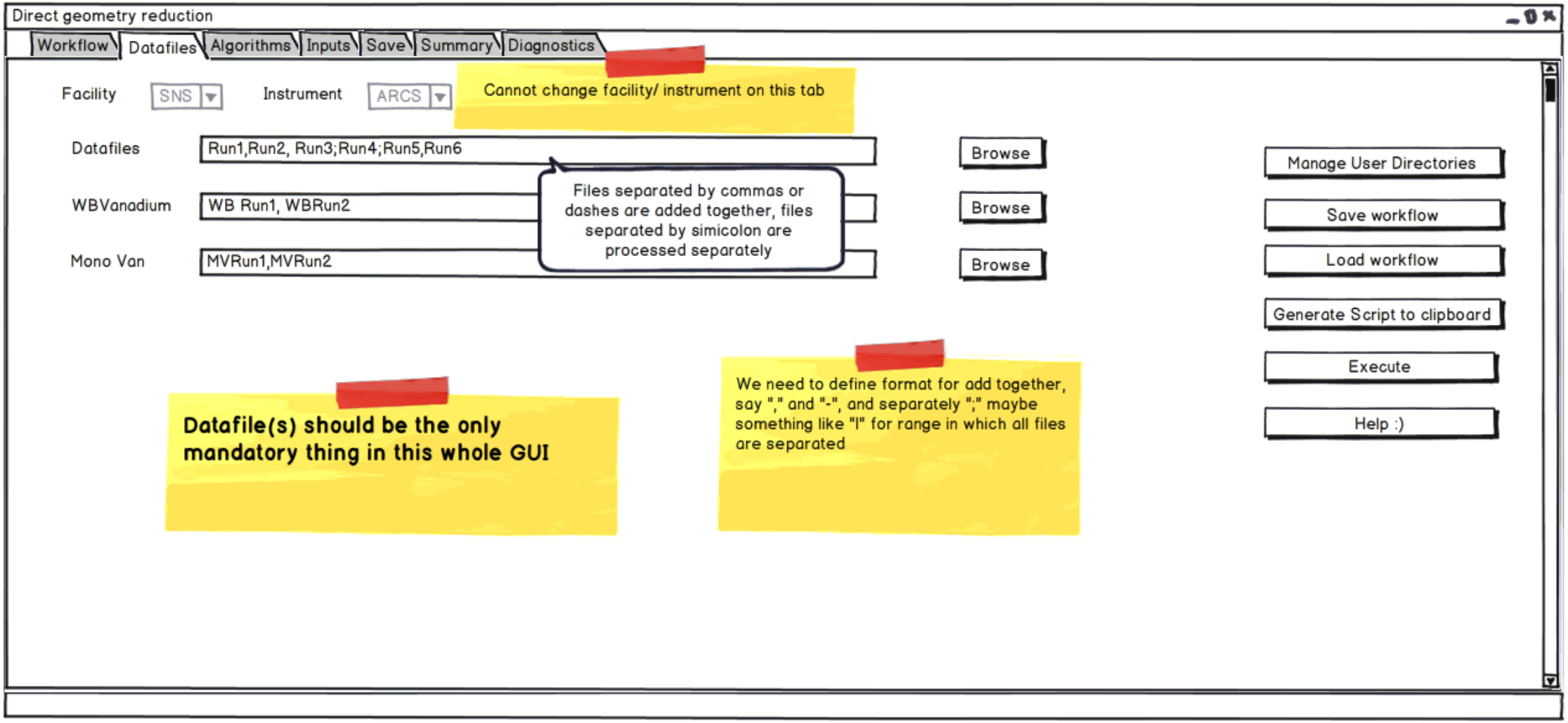
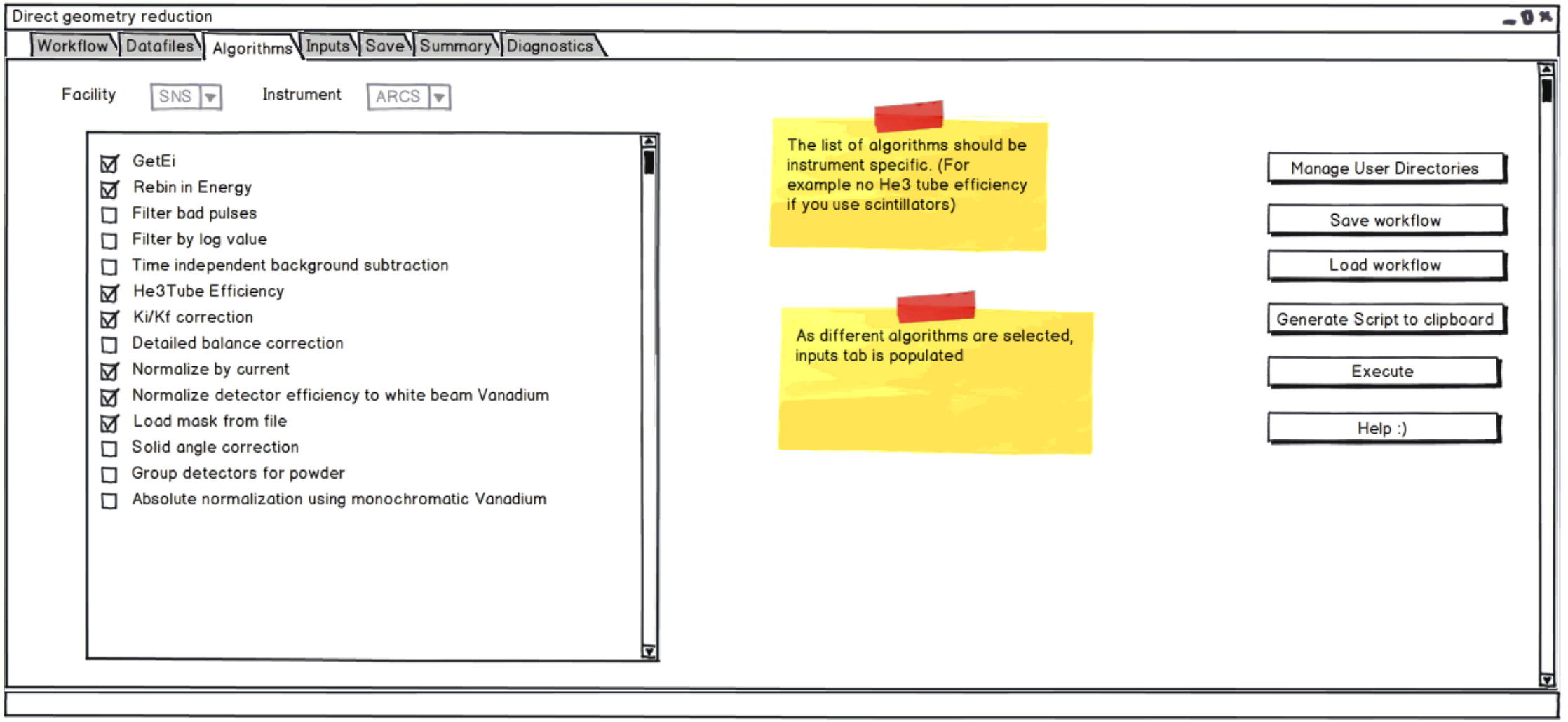
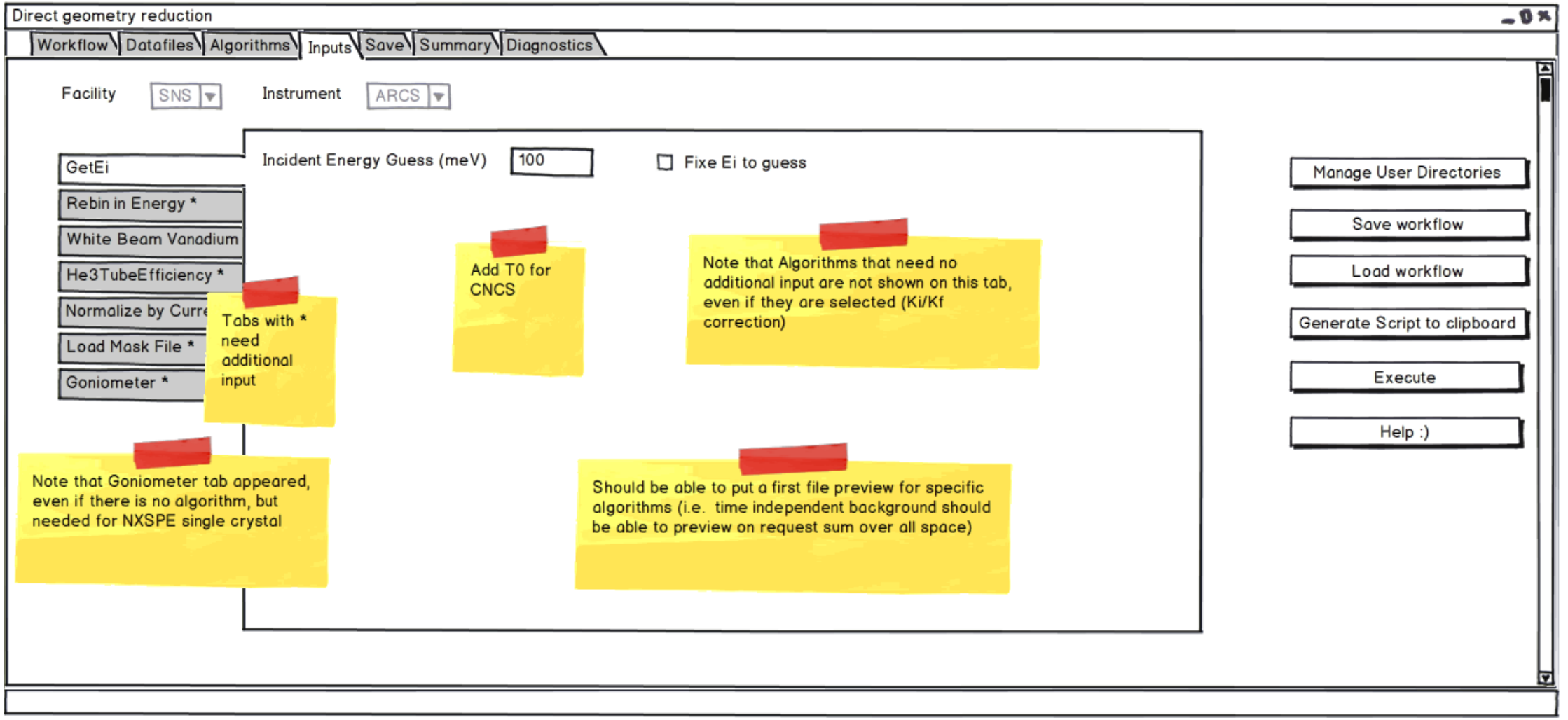
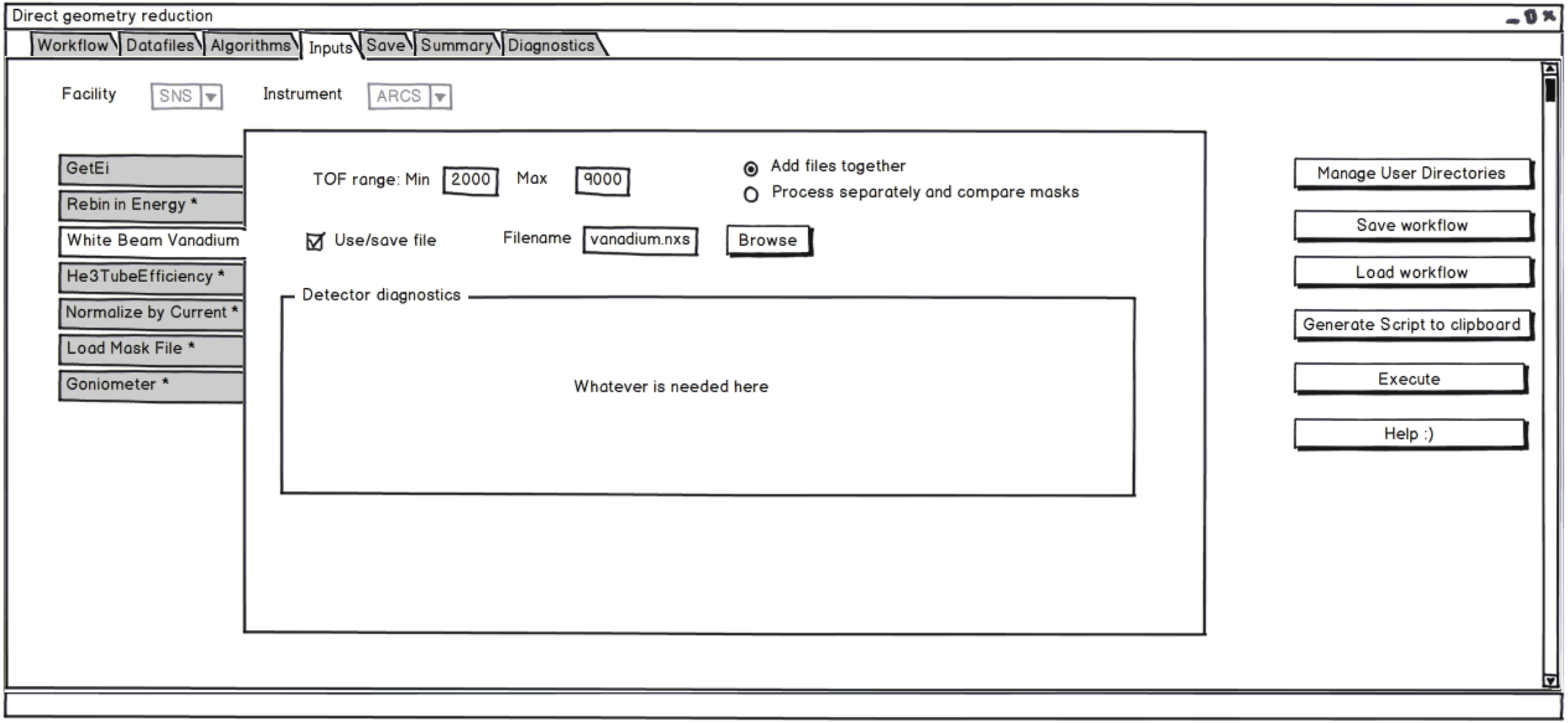

Direct geometry reduction
Workflow
Datafiles
Algorithms
Inputs
Save
Summary
Diagnostics
Facility
SNS
Instrument
ARCS
Datafiles: Files are selected. See datafiles tab
Workflow algorithms: default (modified)
Inputs: still need some inputs
The other option is "all OK"
The other option is "No files selected"
Options:
"default" Algorithms and parameters from default workflow
"default (modified)" Algorithms and/or parameters changed, but not saved
"from myworkflow.xml" Loaded from a file
"from myworkflow.xml (modified)" Started from a workflow file, with modifications, not saved
We should provide some standard workflows (powder reduction with Vanadium normalization, single crystal with/without normalization, ...). When instrument is selected, automatically load a standard workflow, that the instrument scientist can change
Manage User Directories
Save workflow
Load workflow
erate Script to clipboard
Execute
Help :)
Real Help - not link to webpage

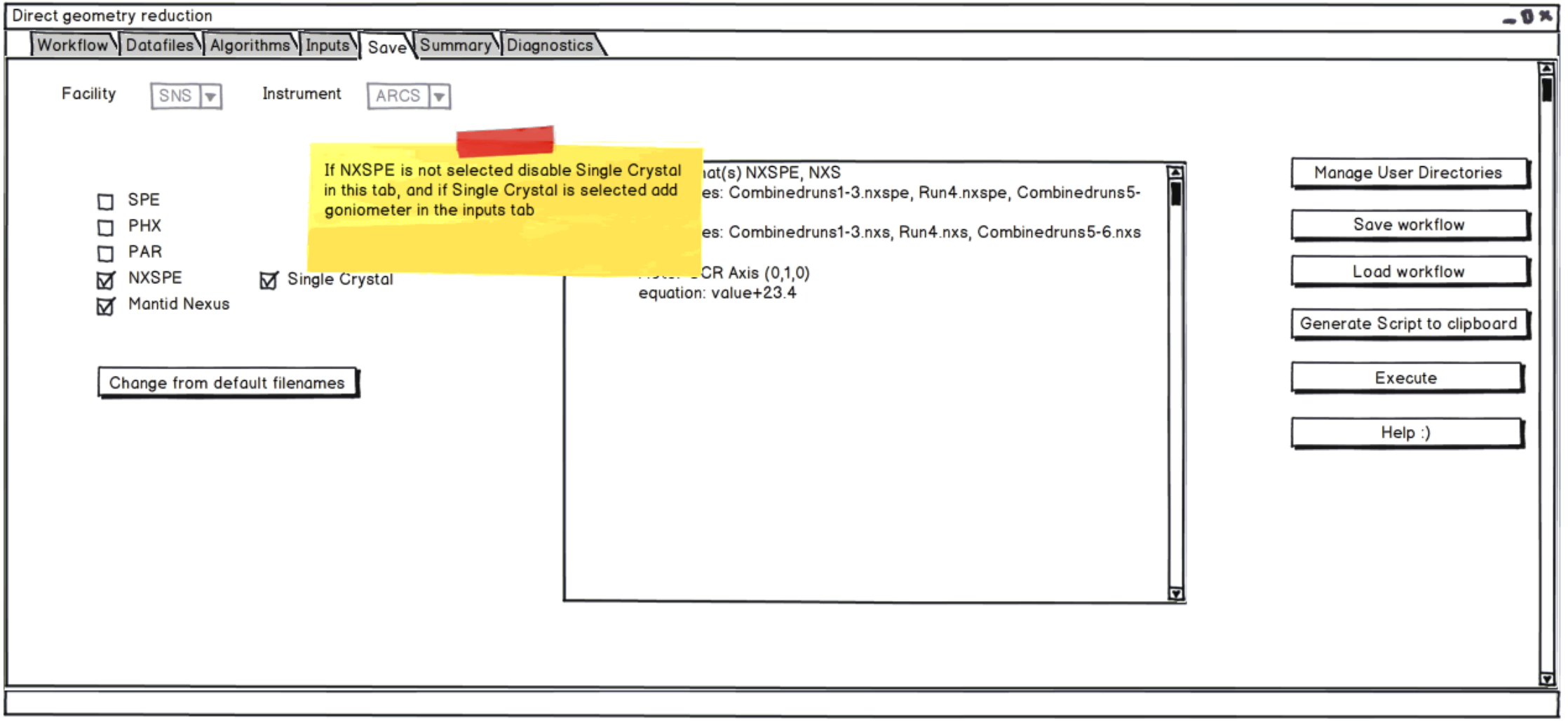

Load Workflow
/SNS
/user
me
shared
workflow1.xml
workflow2.xml
powderworkflow.xml
Load
Everyting
Data
Algorithms
Algorithms with parameters
Load
Cancel

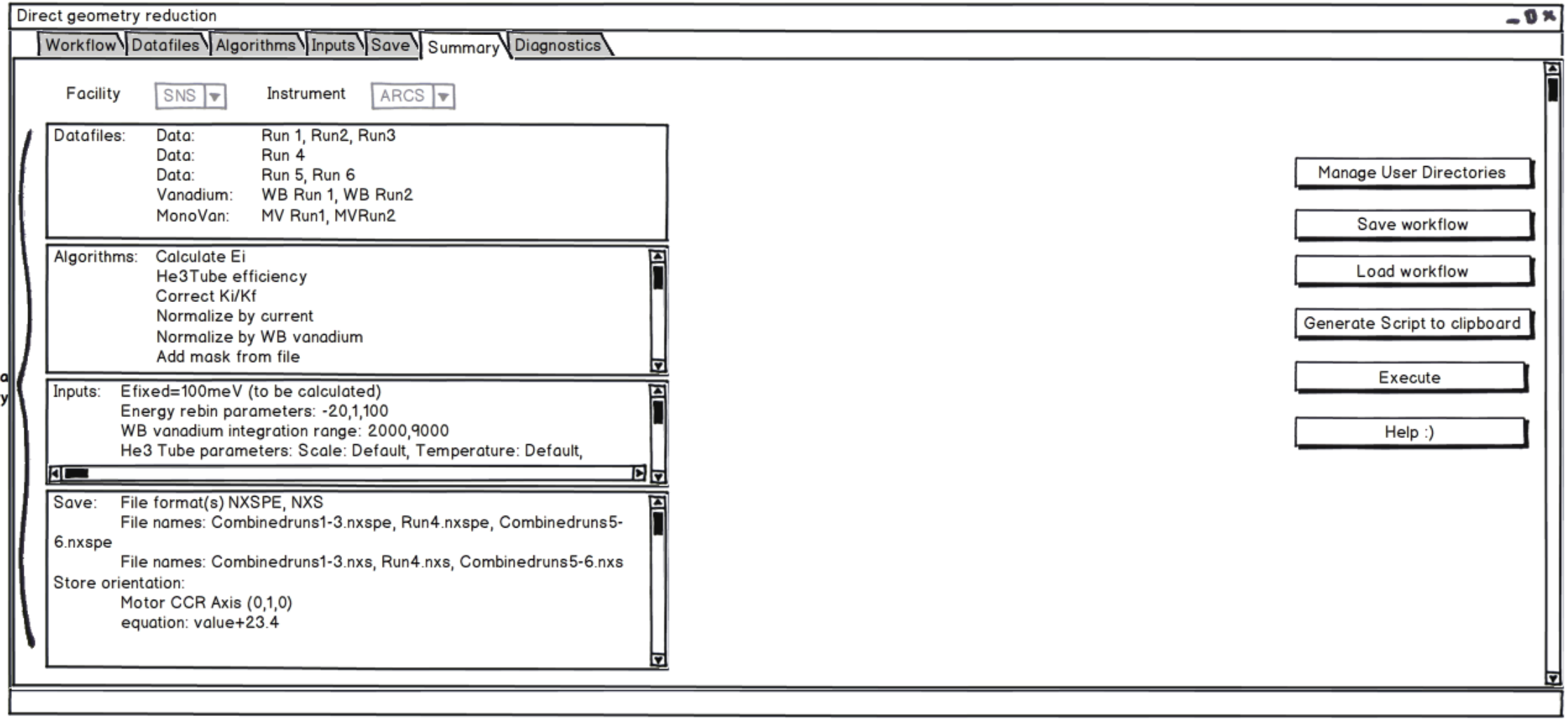

Direct geometry reduction
Workflow
Datafiles
Algorithms
Inputs
Save
Summary
Diagnostics
Facility
SNS
Instrument
ARCS
Cannot change facility/ instrument on this tab
Datafiles
Run1,Run2, Run3;Run4;Run5,Run6
Browse
WBVanadium
WB Run1, WBRun2
Browse
Mono Van
MVRun1,MVRun2
Browse
Files separated by commas or dashes are added together, files separated by simicolon are processed separately
Manage User Directories
Save workflow
Load workflow
Generate Script to clipboard
Execute
Help :)
Datafile(s) should be the only mandatory thing in this whole GUI
We need to define format for add together, say "," and "-", and separately ";" maybe something like "|" for range in which all files are separated


Direct geometry reduction
Workflow
Datafiles
Algorithms
Inputs
Save
Summary
Diagnostics
Facility
SNS
Instrument
ARCS
GetEi
Rebin in Energy
Filter bad pulses
Filter by log value
Time independent background subtraction
He3Tube Efficiency
Ki/Kf correction
Detailed balance correction
Normalize by current
Normalize detector efficiency to white beam Vanadium
Load mask from file
Solid angle correction
Group detectors for powder
Absolute normalization using monochromatic Vanadium
The list of algorithms should be instrument specific. (For example no He3 tube efficiency if you use scintillators)
As different algorithms are selected, inputs tab is populated
Manage User Directories
Save workflow
Load workflow
Generate Script to clipboard
Execute
Help :)


Direct geometry reduction
Workflow
Datafiles
Algorithms
Inputs
Save
Summary
Diagnostics
Facility
SNS
Instrument
ARCS
GetEi
Rebin in Energy *
White Beam Vanadium
He3TubeEfficiency *
Normalize by Curre
Load Mask File *
Goniometer *
Incident Energy Guess (meV)
100
Fixe Ei to guess
Tabs with * need additional input
Add T0 for CNCS
Note that Algorithms that need no additional input are not shown on this tab, even if they are selected (Ki/Kf correction)
Note that Goniometer tab appeared, even if there is no algorithm, but needed for NXSPE single crystal
Should be able to put a first file preview for specific algorithms (i.e. time independent background should be able to preview on request sum over all space)
Manage User Directories
Save workflow
Load workflow
Generate Script to clipboard
Execute
Help :)


Direct geometry reduction
Workflow
Datafiles
Algorithms
Inputs
Save
Summary
Diagnostics
Facility
SNS
Instrument
ARCS
GetEi
Rebin in Energy *
White Beam Vanadium
He3TubeEfficiency *
Normalize by Current *
Load Mask File *
Goniometer *
TOF range: Min
2000
Max
9000
Add files together
Process separately and compare masks
Use/save file
Filename
vanadium.nxs
Browse
Detector diagnostics
Whatever is needed here
Manage User Directories
Save workflow
Load workflow
Generate Script to clipboard
Execute
Help :)


Direct geometry reduction
Workflow
Datafiles
Algorithms
Inputs
Save
Summary
Diagnostics
Facility
SNS
Instrument
ARCS
If NXSPE is not selected disable Single Crystal in this tab, and if Single Crystal is selected add goniometer in the inputs tab
SPE
PHX
PAR
NXSPE
Mantid Nexus
Single Crystal
Change from default filenames
at(s) NXSPE, NXS
es: Combinedruns1-3.nxspe, Run4.nxspe, Combinedruns5-
es: Combinedruns1-3.nxs, Run4.nxs, Combinedruns5-6.nxs
CR Axis (0,1,0)
equation: value+23.4
Manage User Directories
Save workflow
Load workflow
Generate Script to clipboard
Execute
Help :)



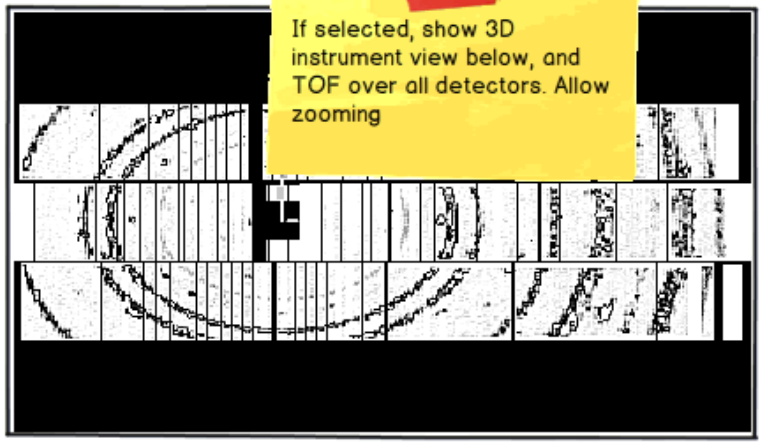
This is just a summary

Direct geometry reduction

Workflow | Datafiles | Algorithms | Inputs | Save | Summary | Diagnostics

Facility SNS Instrument ARCS

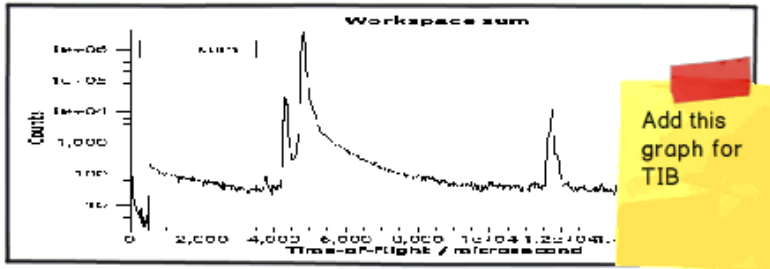
☑ Preview first file



If selected, show 3D instrument view below, and TOF over all detectors. Allow zooming

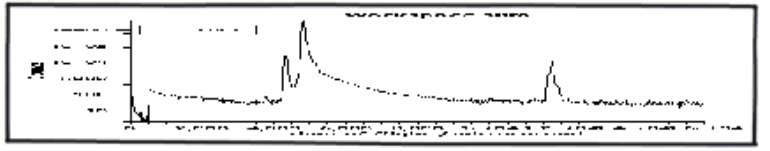
Tab is instrument specific, instrument scientist should be able to modify it

Sum over all detectors

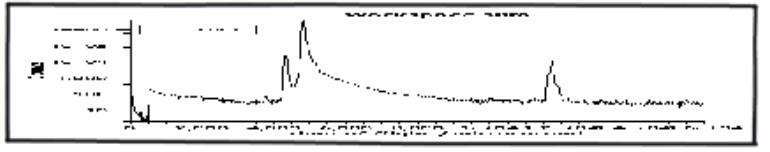


Add this graph for TIB

Monitor 1



Monitor 2



Manage User Directories

Save workflow

Load workflow

Generate Script to clipboard

Execute

Help :)