ChemPack4 (StudyQ)

- In Chempack studyQ is ALWAYS a temporary display and associated with information in curexp !!

- Appropriate study.xml files are created “on demand” in userdir+’/studies/exp#/tmpstudy directory.

- The action buttons at the bottom of the studyQ are, therefore, context sensitive
ChemPack4 [StudyQ]

- curexp is in “review” mode.
- The studyQ may display experiments associated with the “sample” in curexp.

- “Clear SQ” - clear studyQ (not curexp).
- “Refresh SQ” - rebuild studyQ based on information (sample) in curexp
- Display autodir: Show status or display tray for current autodir
- NewSample to Automation - Go to submission mode (see later slide) for a new sample to autodir
ChemPack4 [StudyQ]
With multiple viewports

```
autodir: auto_20061129_02

Study Queue controls are active
ONLY in single viewport mode.

Use StudyQ-by-Demand
in Automation MainMenu
```
autodir status

**autodir created on 2006-11-29**
Next Available Locations: 1
SAMPLE #: 46 in CurrentQ.

Samples in auto_20061129_02
  0 in PriorityQ
  3 in DayQ
  4 in NightQ

Next Submission will start around...
  PriorityQ: 10:49 PM
  DayQ: 11:15 PM
  NightQ: 00:21 AM (+1)

Current Queue
SAMPLE #: 42
USER: krishk
STATUS: Completed

SAMPLE #: 45
USER: krishk
STATUS: Completed

SAMPLE #: 41
USER: krishk
STATUS: Completed

SAMPLE #: 100
USER: unknown
STATUS: Completed

SAMPLE #: 43
USER: krishk
STATUS: DayQ done

SAMPLE #: 44
USER: krishk
Display autodir tray

- "Clear SQ" - clear SQ.
- "Refresh SQ" – (re)build studyQ
- NewSample to Automation - Go to submission mode (see later slide) for a new sample to autodir
- Show LocQ – Displays experiment queue [completed and pending] on selected location in a popup.
- CloseTray – Closes the tray
Display autodir tray

See next four slides for examples
“Completed Location”

Load selected FID to curexp

Add more experiments to this sample and resubmit to same or different location
“day completed, but night pending”
“Queued location”

Add/delete/edit experiments to this queue and resubmit to the same location.
Load selected FID (if any) to curexp

Load “Active” FID to curexp

Queue cannot be edited this way. [But, this can be accomplished via “interrupt” automation, edit followed by resume automation!!]

Experiments in the queue can be deleted!!

“active location”
ChemPack4 [StudyQ]

- "Clear SQ" - clear SQ and show tray only
- "Refresh SQ" – (re)build studyQ
- NewSample to Automation - Go to submission mode (see later slide) for a new sample to autodir
- Show LocQ – Displays experiment queue [completed and pending] on selected location in a popup.
- Double Click on a node in SQ – Same result as “Show LocQ”
- CloseTray – Closes the tray

Show LocQ or Double-click on a node: See previous four slides for examples
ChemPack4 [StudyQ]

- curexp is in tray “review” mode.
- The tray displayed is NOT autodir, but an archived autodir

- “Clear SQ” - inactive.
- “Refresh SQ” - rebuild studyQ based on information (sample) in curexp
- Autodir Tray - show tray display for the studies in autodir
- NewSample to Automation - Go to submission mode (see later slide) for a new sample to autodir
- Show LocQ – Displays experiment queue [completed and pending] on selected location in a popup.
- CloseTray – Closes the tray
ChemPack4 [StudyQ]

- `curexp` is in “submission” mode to AutoRun (or AutoFile) aka autodir.
- This is accessed via “NewSample to Automation” button or via MainMenu=>Automation => ExpQ to AutoFile(Run)
- With appropriate CPpreferences, this could be the default mode after operator login

- “Clear SQ” - Remove all info in studyQ and curexp.
- “Refresh SQ” - rebuild studyQ based on information in curexp; all experiments in studyQ and customizations are preserved
- SUBMIT – submit studyQ to selected location(s)
- EDIT – import information from the selected location to curexp for queue/customization editing
- reSUBMIT – “return” queue information back to the same location
  [this is active ONLY if information is imported using the EDIT button]
- Cancel/Done – Done with all submissions. Return curexp to “review” mode.
ChemPack4 [StudyQ]

- curexp is in “submission” mode to foreground acquisition.
- This is accessed via MainMenu=> Automation => ExpQ on NEW sample

- “Clear SQ” - Remove all info in studyQ and curexp.
- “Refresh SQ” - rebuild studyQ based on information in curexp; all experiments in studyQ and customizations are preserved
- StartQ – start the queue in curexp (foreground acquisition)
- Cancel/Done – Done with all submissions. Return curexp to “review” mode.