

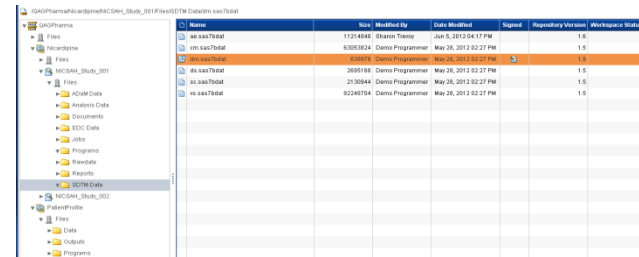
SAS® Drug Development 4.1 – Clinical Programming and Workflow

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SAS Drug Development



The screenshot shows the SAS Drug Development interface. On the left is a file explorer with a tree view showing folders like 'GAPPharma', 'NCIMData', and 'NCIMData_Study_001'. On the right is a table with columns: Name, Size, Modified By, Date Modified, Signed, Dependency Version, and Workspace Status. The table contains several rows of data, including files like 'nc.sas7bdat' and 'nc.sas7bdat' with various sizes and modification dates.

Name	Size	Modified By	Date Modified	Signed	Dependency Version	Workspace Status
nc.sas7bdat	11214488	Sharon Tellez	Jun 5, 2012 04:17 PM		1.0	
nc.sas7bdat	61052624	Demo Programmer	Mar 26, 2012 02:27 PM		1.0	
nc.sas7bdat	210910	Demo Programmer	Mar 26, 2012 02:27 PM		1.0	
nc.sas7bdat	2095168	Demo Programmer	Mar 26, 2012 02:27 PM		1.0	
nc.sas7bdat	2120444	Demo Programmer	Mar 26, 2012 02:27 PM		1.0	
nc.sas7bdat	82240704	Demo Programmer	Mar 26, 2012 02:27 PM		1.0	

- The solution enables companies to
 - **store, aggregate and organize content** and data in industry-aware logical structures by compound, analysis, therapeutic area or company-defined structure
 - **develop, test and execute SAS programs** in a **web-based authoring environment** that encourages reuse and sharing of code
 - **schedule, track and manage work** that enforce the company's standard development workflow processes
 - **collaborate, share and distribute outcomes** and insights with colleagues, partners and regulatory agencies through a **secure user and role-based web interface**
 - **secure, audit and report on activity** and access within the repository for compliance and internal tracking purposes

Dashboard

My Messages

Priority	From	Subject	Date Received
Medium	Demo Programmer	I uploaded the NICSAH001 DM data f...	Jun 7, 2012 10:46 AM
High	Laurie Rose	Please Take Survey!	Jun 6, 2012 11:19 AM
Low	Janet Stuelpner	Demonstration Best Practice	Jun 6, 2012 09:15 AM

Tasks

Status	Name	Work Item	Context	Due Date	Assigned To	Priority	Complexity
	Dev	Create NICS...	QAGPhar...		Sharon Trevoy	Medium	Medium

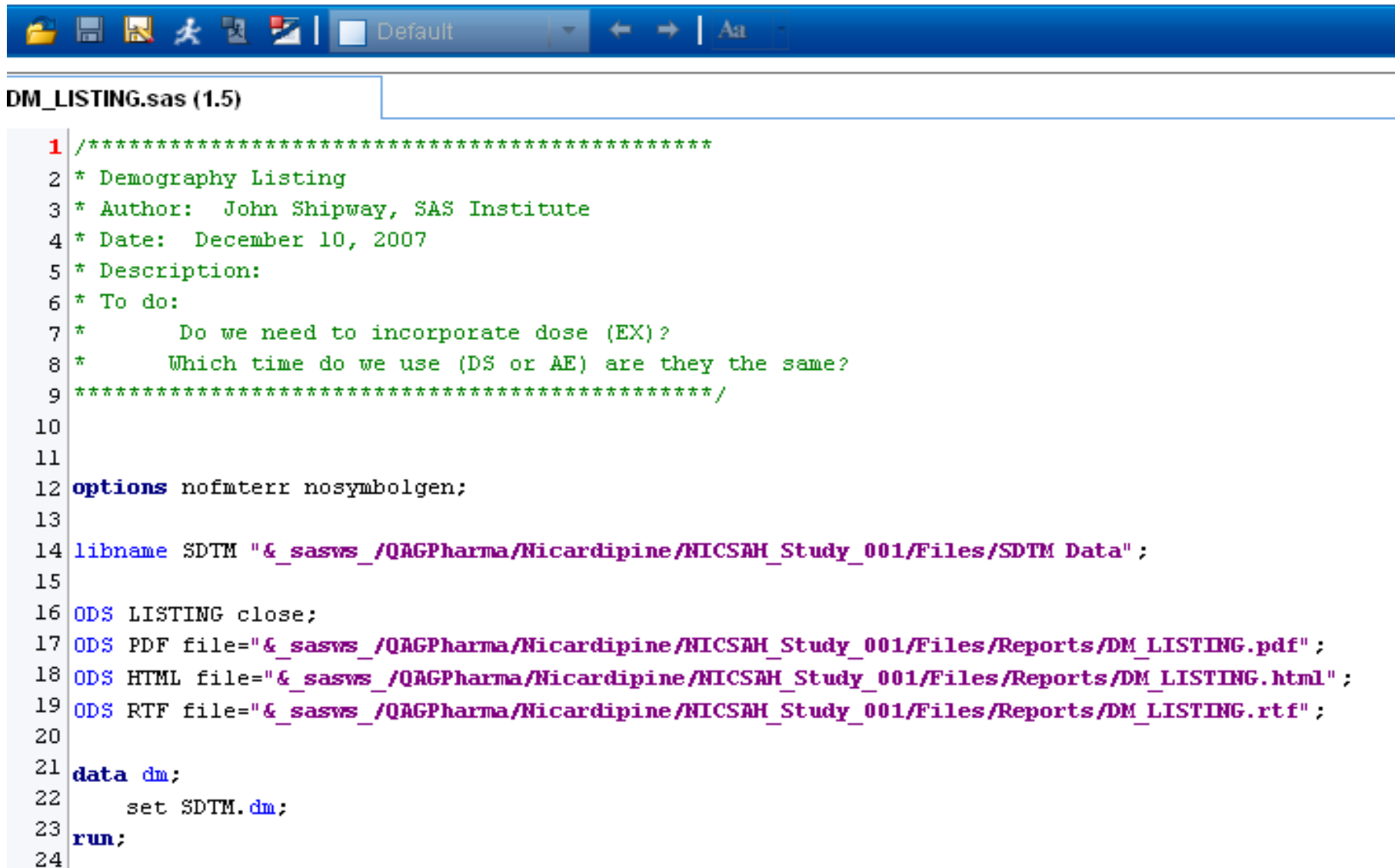
Work Items

Status	Name	Context	Owner	Modified By	Date Modified
	Create NICSAH...	QAGPhar...	Sharon Trevoy	Sharon Trevoy	Jun 7, 2012 10:41 AM
	CRO Data Drop	QAGPhar...	Sharon Trevoy	Sharon Trevoy	Jun 7, 2012 10:42 AM

SAS Sessions

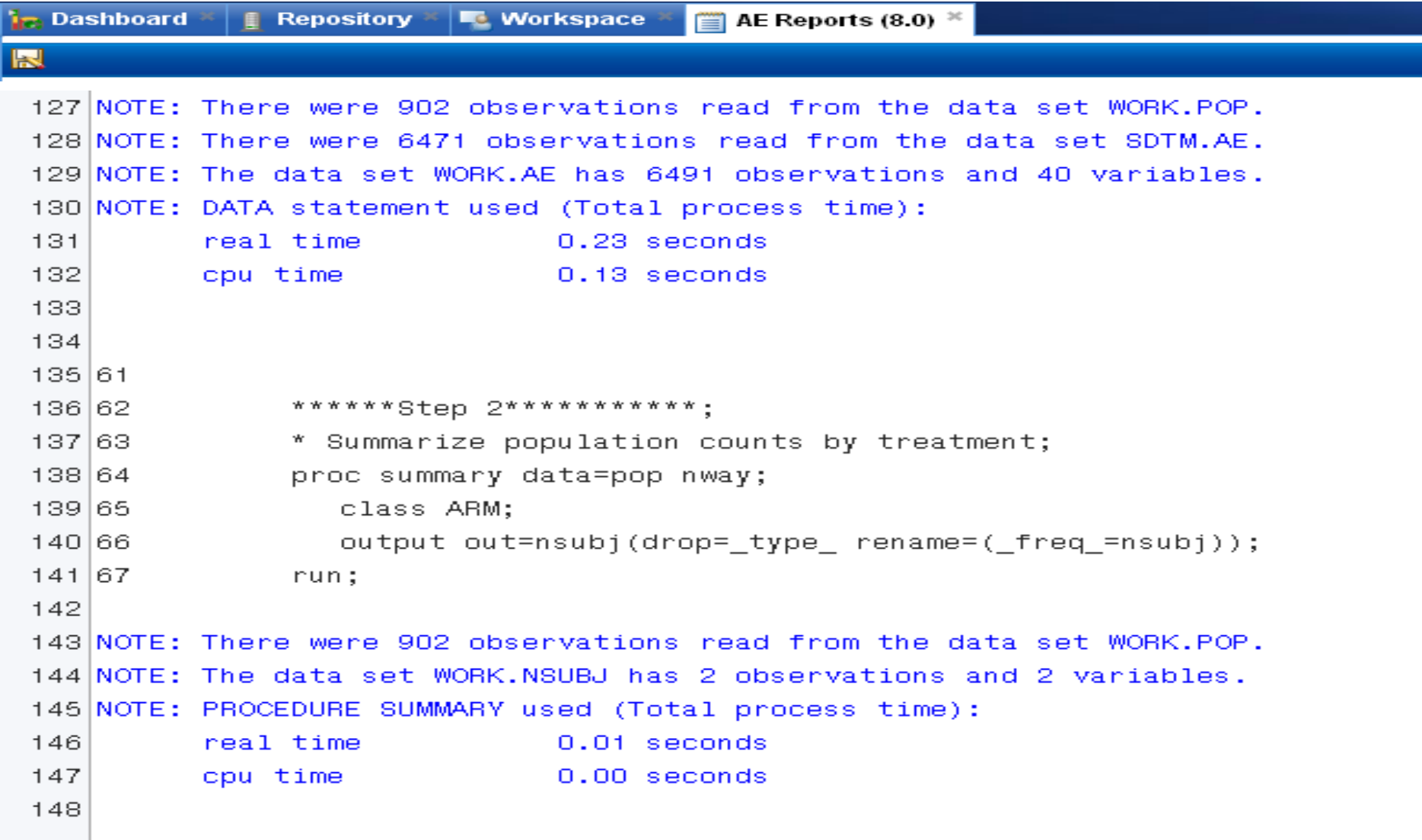
State	Session	Most Recent S...	Started	Ended	Type	User
	54	AE Reports.job...	Jun 5, 2012 12:...	Jun 5, 2012 12:...	BATCH_PUBLI...	Sharon Trevoy
	53	AE Reports.job...	Jun 5, 2012 11:...	Jun 5, 2012 11:...	BATCH_PUBLI...	Sharon Trevoy
	21	DM_LISTING_I...	Apr 24, 2012 1...	Apr 24, 2012 1...	Batch	Sharon Trevoy
	20	DM_LISTING_I...	Apr 24, 2012 1...	Apr 24, 2012 1...	Batch	Sharon Trevoy
	19	DM_LISTING_I...	Apr 24, 2012 1...	Apr 24, 2012 1...	Batch	Sharon Trevoy
	18	DM_LISTING_I...	Apr 24, 2012 1...	Apr 24, 2012 1...	Batch	Sharon Trevoy
	17	DM_LISTING_I...	Apr 24, 2012 0...	Apr 24, 2012 0...	Batch	Sharon Trevoy
	15	DM_LISTING_I...	Apr 24, 2012 0...	Apr 24, 2012 0...	Batch	Sharon Trevoy
	14	DM_LISTING_I...	Apr 24, 2012 0...	Apr 24, 2012 0...	Batch	Sharon Trevoy
	27	DS Reports.job...	Apr 26, 2012 1...	Apr 26, 2012 1...	Batch	Sharon Trevoy
	26	DS Reports.job...	Apr 26, 2012 1...	Apr 26, 2012 1...	Batch	Sharon Trevoy

SAS Session Editor



```
1 /*****
2 * Demography Listing
3 * Author: John Shipway, SAS Institute
4 * Date: December 10, 2007
5 * Description:
6 * To do:
7 *     Do we need to incorporate dose (EX)?
8 *     Which time do we use (DS or AE) are they the same?
9 *****/
10
11
12 options nofmterr nosymbolgen;
13
14 libname SDTM "&_sasws_/QAGPharma/Nicardipine/NICSAH_Study_001/Files/SDTM Data";
15
16 ODS LISTING close;
17 ODS PDF file="&_sasws_/QAGPharma/Nicardipine/NICSAH_Study_001/Files/Reports/DM_LISTING.pdf";
18 ODS HTML file="&_sasws_/QAGPharma/Nicardipine/NICSAH_Study_001/Files/Reports/DM_LISTING.html";
19 ODS RTF file="&_sasws_/QAGPharma/Nicardipine/NICSAH_Study_001/Files/Reports/DM_LISTING.rtf";
20
21 data dm;
22     set SDTM.dm;
23 run;
24
```

Real-time Log and Listing



The screenshot displays the SAS AE Reports (8.0) interface. The top navigation bar includes tabs for Dashboard, Repository, Workspace, and AE Reports (8.0). Below the navigation bar, a log window shows the following content:

```
127 NOTE: There were 902 observations read from the data set WORK.POP.  
128 NOTE: There were 6471 observations read from the data set SDTM.AE.  
129 NOTE: The data set WORK.AE has 6491 observations and 40 variables.  
130 NOTE: DATA statement used (Total process time):  
131     real time          0.23 seconds  
132     cpu time           0.13 seconds  
133  
134  
135 61  
136 62     *****Step 2*****;  
137 63     * Summarize population counts by treatment;  
138 64     proc summary data=pop nway;  
139 65         class ARM;  
140 66         output out=nsbj(drop=_type_ rename=(_freq_=nsbj));  
141 67     run;  
142  
143 NOTE: There were 902 observations read from the data set WORK.POP.  
144 NOTE: The data set WORK.NSUBJ has 2 observations and 2 variables.  
145 NOTE: PROCEDURE SUMMARY used (Total process time):  
146     real time          0.01 seconds  
147     cpu time           0.00 seconds  
148
```

Session Manager

SAS Sessions



State	Session	Most Recent Submission	Started ▼	Ended	Type	User
✓	54	AE Reports.job - AE_NO_DEATH..	Jun 5, 2012 12:00 PM	Jun 5, 2012 12:00 PM	BATCH_PUBLISHED	Sharon Trevooy
✓	53	AE Reports.job - AE_LISTING.sa...	Jun 5, 2012 11:59 AM	Jun 5, 2012 11:59 AM	BATCH_PUBLISHED	Sharon Trevooy
✓	21	DM_LISTING_InputTitle.job - DM...	Apr 24, 2012 11:01 AM	Apr 24, 2012 11:01 AM	Batch	Sharon Trevooy
✓	20	DM_LISTING_InputTitle.job - DM...	Apr 24, 2012 10:54 AM	Apr 24, 2012 10:54 AM	Batch	Sharon Trevooy
✓	19	DM_LISTING_InputTitle.job - DM...	Apr 24, 2012 10:19 AM	Apr 24, 2012 10:19 AM	Batch	Sharon Trevooy
✓	18	DM_LISTING_InputTitle.job - DM...	Apr 24, 2012 10:17 AM	Apr 24, 2012 10:17 AM	Batch	Sharon Trevooy
✓	17	DM_LISTING_InputTitle.job - DM...	Apr 24, 2012 09:53 AM	Apr 24, 2012 09:53 AM	Batch	Sharon Trevooy
✓	15	DM_LISTING_InputTitle.job - DM...	Apr 24, 2012 09:49 AM	Apr 24, 2012 09:49 AM	Batch	Sharon Trevooy
✓	14	DM_LISTING_InputTitle.job - DM...	Apr 24, 2012 09:48 AM	Apr 24, 2012 09:48 AM	Batch	Sharon Trevooy
✓	27	DS Reports.job - DS_MORTALIT...	Apr 26, 2012 12:29 PM	Apr 26, 2012 12:30 PM	Batch	Sharon Trevooy
✓	26	DS Reports.job - DS_MORTALIT...	Apr 26, 2012 12:28 PM	Apr 26, 2012 12:28 PM	Batch	Sharon Trevooy
✓	25	DS Reports.job - DS_MORTALIT...	Apr 26, 2012 12:25 PM	Apr 26, 2012 12:25 PM	Batch	Sharon Trevooy
✓	24	AE Reports.job - AE_TOTALS.sa...	Apr 26, 2012 11:59 AM	Apr 26, 2012 11:59 AM	Batch	Sharon Trevooy
✓	23	AE Reports.job - AE_TOTALS.sa...	Apr 26, 2012 11:24 AM	Apr 26, 2012 11:24 AM	BATCH_PUBLISHED	Sharon Trevooy
✓	22	AE Reports.job - AE_TOTALS.sa...	Apr 26, 2012 11:19 AM	Apr 26, 2012 11:19 AM	BATCH_PUBLISHED	Sharon Trevooy
✓	36	DM Reports.job - DM_PATIENT_...	May 27, 2012 06:48 PM	May 27, 2012 06:48 PM	Batch	Sharon Trevooy
✓	35	DS Reports.job - DS_MORTALIT...	May 27, 2012 06:47 PM	May 27, 2012 06:47 PM	Batch	Sharon Trevooy
✓	34	DM Reports.job - DM_PATIENT_...	May 27, 2012 06:46 PM	May 27, 2012 06:46 PM	Batch	Sharon Trevooy
✓	33	DS Reports.job - DS_MORTALIT...	May 27, 2012 06:45 PM	May 27, 2012 06:45 PM	Batch	Sharon Trevooy
✓	32	DM Reports.job - DM_PATIENT_...	May 27, 2012 06:45 PM	May 27, 2012 06:45 PM	Batch	Sharon Trevooy
✓	31	AE Reports.job - AE_TOTALS.sa...	May 27, 2012 06:45 PM	May 27, 2012 06:45 PM	Batch	Sharon Trevooy



Questions?