

**Table X C.1. Commands to analyze data from three samples of different thicknesses at two different temperatures**

Interactive input	Description of what is being done
<pre>sammy &lt;&lt;EOF t007a.inp t007a.par t007a.dat  EOF</pre>	analyze first data set using TEMP1 & THCK1
<pre>mv -f SAMMY.LPT results/raa.lpt mv -f SAMMY.ODF results/raa.odf mv -f SAMMY.PAR results/raa.par mv -f SAMMY.COV results/raa.cov</pre>	rename the output files
<pre>samamr &lt;&lt;EOF a results/raa.par results/raa.cov results/rcc.par results/rcc.cov TEMP TEMP1 181.0 10.0 EOF</pre>	mothball TEMP1; insert TEMP2
<pre>samamr &lt;&lt;EOF a results/rcc.par results/rcc.cov results/rdd.par results/rdd.cov THICK THCK1 0.01754 0.0001754 EOF</pre>	mothball THCK1; insert THCK2
<pre>sammy &lt;&lt;EOF t007d.inp results/rdd.par t007e.dat results/rdd.cov  EOF</pre>	analyze second data set with TEMP2 & THCK2; with UNUSED #1=TEMP1, #2=THCK1
<pre>mv -f SAMMY.LPT results/ree.lpt mv -f SAMMY.PAR results/ree.par mv -f SAMMY.ODF results/ree.odf mv -f SAMMY.COV results/ree.cov</pre>	

**Table X C.1 (continued)**

Interactive input	Description of what is being done
samamr <<EOF m results/ree.par results/ree.cov results/rff.par results/rff.cov TEMP TEMP2 1 EOF	interchange so USED=TEMP1, UNUSED#1=TEMP2
samamr <<EOF a results/rff.par results/rff.cov results/rgg.par results/rgg.cov THICK THCK2 0.01319 0.0001319 EOF	mothball THCK2, insert THCK3
sammy <<EOF # tr7hhh t007h.inp results/rgg.par t007h.dat results/rgg.cov  EOF	analyze third data set with TEMP1 & THCK3; with UNUSED #1=TEMP2, #2=THCK1, #3=THCK2
mv SAMMY.LPT results/rhh.lpt mv SAMMY.PAR results/rhh.par mv SAMMY.ODF results/rhh.odf mv SAMMY.COV results/rhh.cov	rename files
samamr <<EOF m results/rhh.par results/rhh.cov results/rii.par results/rii.cov THICK THCK3 2 EOF	interchange THICK and UNUSED#2 (so will use TEMP1 & THCK1)
sammy <<EOF t007j.inp results/rii.par t007a.dat results/rii.cov  EOF	generate cross section for first data set with TEMP1 & THCK1; with UNUSED #1=TEMP2, #2=THCK3, #3=THCK2

**Table X C.1 (continued)**

Interactive input	Description of what is being done
mv SAMMY.LPT results/rjj.lpt mv SAMMY.ODF results/rjj.odf	rename files
samamr <<EOF m results/rii.par results/rii.cov results/rkk.par results/rkk.cov TEMP TEMP1 1 EOF	interchange TEMP=TEMP1 with UNUSED#2=TEMP2
samamr <<EOF m results/rkk.par results/rkk.cov results/rll.par results/rll.cov THICK THCK1 3 EOF	interchange THICK=THCK1 with UNUSED#3=THCK2
sammy <<EOF t007m.inp results/rll.par t007e.dat results/rll.cov  EOF	generate cross section for second data set with TEMP2 & THCK2; with UNUSED #1=TEMP1, #2=THCK3, #3=THCK1
mv SAMMY.LPT results/rmm.lpt mv SAMMY.ODF results/rmm.odf	rename files