

**Table VI E.2. Complete list of input files for SAMMY runs, in the order in which they will occur. Only a subset of the SAMMY prompts will occur for any given SAMMY run.**

SAMMY prompt	What is needed	Invoking command
1. What is the name of the INPut file?	INPut file name plus extension. Maximum number of characters is 70.	
2. What is the name of the PARameter file?	PARameter file name. Maximum number of characters is 70.	
3. What is the first data file name? EMIN? EMAX?	DATa file name followed by the minimum and maximum energies (in EV) for this step in F format, separated by commas or spaces.	
4. What is name of input file for ENDF output?	The name of the “ndf” file, described in Section VI.F.2.	ENDF/B-VI FILE 2 IS wanted, or ENDF
5. What are names of WY files?	Names of the files produced by “yw” runs (described in Section IV.E.1) in preparation for simultaneous fitting to be accomplished in this run. Each file is specified on a separate input line, ending with a blank line.	GENERATE Y AND W MATrices or WY
6. What is name of file with values of direct capture?	See Section II.B.4 for details.	ADD DIRECT CAPTURE Component
7. What is name of parameter COVariance file?	See Section VII.B and Table VII B.1 for details.	
8. What is name of file for edge effects?	This SAMMY-produced file contains geometric information for single-scattering corrections. See Section III.D for more information.	FILE WITH EDGE EFFECTs already exists
9. What is name of implicit data covariance file?	Section VI.C.3.c has details.	IMPLICIT DATA COVARIance matrix is to be used

**Table VI E.2, continued.**

	SAMMY prompt	What is needed	Invoking command
10.	What is name of AVG file?	See Section VI.F.1 for details.	AVERAGE OVER ENERGY ranges, GROUP AVERAGE OVER Energy, BONDARENKO AVERAGE Over, UNWEIGHTED ENERGY Average,  or ENERGY-AVERAGE USING constant flux
11.	What is name of Maxwellian average file?	Section VI.F.4 has details.	MAXWELLIAN AVERAGED capture cross sections are wanted  or STELLAR AVERAGED CAPture cross sections are wanted
12.	What is name of endf/b file 3?	See Table VI F4.1.	ADD CROSS SECTIONS From endf/b file 3
13.	What is name of Crystal-Lattice Model file?	See Section VI.F.5.	USE CRYSTAL LATTICE model of doppler broadening, or  CLM
14.	What is name of integral data file?	See Sections V.B and VI.D for details.	
15.	What is name of file with information for File 3?	Contains information needed for creating ENDF File 3 for the unresolved resonance region. (Similar to *.ndf file, # 4 above.) See Section VI.F.2.	PUT COVARIANCE MATRIX into endf file 32
16.	What is name of file with PUP covariances?	See end of Section IV.D.2 for further information.	PUP COVARIANCE IS IN an ascii file
17.	What is name of file with E-dependent initial uncertainty multiplier?	See Section IV.E.6 for details.	E-DEPENDENT INITIAL uncertainty multiplier

**Table VI E.2, continued.**

	SAMMY prompt	What is needed	Invoking command
18.	What is name of file containing new parameter uncertainties?	See Section IV.E.2 for details.	P COVARIANCE MATRIX is correct, u is not <i>and</i> MODIFY P COVARIANCE matrix before using
19.	What is name of file containing Y2 values?	See Section III.D and [NL08] for details.	Y2 VALUES ARE TABULated
99.	What is new EMIN? EMAX? DATA file name?	Energy range (in eV) for the next step, in F format, separated by commas or spaces. New data file name, when needed. End in blank line.  With the large capacity of modern computers, this option is seldom used anymore.	