NONMEM Global variables and description
The complete list is in ..\util\nonmem_reserved_general

#	Original Variable Name	Referenced Common block	Referenced Module Name	Modified Variable Name	Description of the variable
1	NT / NTHETA / NTHET / NTHETA	CM1	NMPRD_INT	NTHETA	Length of theta; may be set to 1 when length is 0
3	DB	CM1	NMPRD_REAL	DB	Upper bound minus lower bound (UB(I)-LB(I))
4	LB	CM1	NMPRD_REAL	LB	LB(I)=Lower bound for THETA(I)
5	UB	CM1	NMPRD_REAL	UB	UB(I)=Upper bound for THETA(I)
69	NIND / NIND_7	CM7	CMNM1_INT	NIND	Total number of individuals; set in INPT
122	ILONG	CM18	CMNM2_INT	ICOMPRS	0 = usual format for var-covar output, 1 = compressed format modified such that 0 = usual format, 9 or fewer elements, 1 = usual format more than 9 elements and 2 = compressed format
123	PF / SPEC	CM18	CMNM2_REAL	SPEC	= 1E10, used as a flag in var-covar
188	NROB	CM35	CMNM2_INT	NOBSIND	Number of observation records in individual record
189	V(2) / NN / MM / NOB	CM35	CMNM2_INT	NRECIND	No. of records / this individual; number of data records in individual record
202	IEPS	CM41	IEPS or MAN_LEN Equivalence to EPST and used locally	MAN_LEN	Mantissa length. This is the number 2**(-m), where m is the number of binary digits occurring in the double precision mantissa. Represented as integer values. Equivalence to EPST in INITL
203	LARGE	CM41	Equivalence to LARGET and	LARGEDP	Machine infinity. Largest double precision number

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			used locally		representable in the machine. Represented as integer values. Equivalence to LARGET in INITL
204	IREPS	CM41	Equivalence to REPST and used locally	IREPS	Machine precision. Smallest double precision number that when added to 1 yields a number that is not 1. Represented as integer values. Equivalence to REPST in INITL
205	ITOL	CM41	Equivalence to TOLT and used locally	ITOL	Machine tolerance. Smallest double precision number representable in the machine, divided by machine precision. Represented as integer values. Equivalence to TOLT in INITL
282	EPS	CM73	NMPRD_REAL	EPS73	Mantissa length. This is the number 2**(-m), where m is the number of binary digits occurring in the double precision mantissa.
283	DPS / REPS / SPMPAR(pred) / SEPS(pred)	CM73	NMPRD_REAL	REPS	Same as REPST; Machine precision. Smallest double precision number that when added to 1 yields a number that is not 1 (same as MEPS)
284	TOL / RTOL(ored)	CM73	NMPRD_REAL	TOL	same as TOLT
285	CX / INFNTY / OVFL(Pred) / GIANT(pred)	CM73	NMPRD_REAL	INFNTY	SQRT (LARGET); LARGET is largest double precision number representable by the machine
286	SQINFN	CM73	NMPRD_REAL	SQINFN	SQRT (INFNTY)
287	DPS / SREPS	CM74	CMNM7_REAL	SREPS	same as SREPST

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288	TOL / STOL	CM74	CMNM7_REAL	STOL	same as STOLT
309	NOBMX / MX	CM85	CMNM4_INT	MAXDREC	Maximum number of data record for an individual up to & including this individual
353	SMALL	CM107	CMNM4_REAL	SMALL	SQRT(TOL*REPS)
532	LEV / VER	LCM5	Moved to NMDATA.f90	LEV	Level of release
606	NPROB	ROCM14	NMPRD_INT	NPROB	Number of problems
607	IPROB / IN	ROCM14	NMPRD_INT	IPROB	The number of the current problem
610	SIGD / NISG	ROCM16	ROCM_REAL	SIGD	minimum value of significant digits; min(DIFA)
629	PRNV / IPRNV	ROCM28	NMPRD_INT	IPRNV	0 = no printing of NONMEM input info. after 1st iteration of active 1st(2nd) level super problem 1 = normal printing for active 1st (2nd) level super problem.
630	IPS	ROCM29	NMPRD_INT	IPS	Indicator variable, 1-> Population data, 2-> Single-subject data
633	NIREC / JR / JJ / JI / IND	ROCM32	ROCM_INT	NINDREC	The number of the individual record at current call
634	IR / I / NDREC(pred)	ROCM32	ROCM_INT	NDATINDR	The number of the data record within the individual record at the current call
659	NINDR	ROCM46	ROCM_INT	NINDOBS	Number of individual records containing an observation record
673	IDPROB		NMPRD_INT	IDPROB	Problem ID
689			CMNM2_INT	NOBSIND_MAX	Maximum number of observations for any subject

#	Original Variable Name	Referenced Common block	Referenced Module Name	Modified Variable Name	Description of the variable
9	ISEED	RAN_COMMON	NM_BAYES_INT	ISEED	Present seed number of ranmethods 0-3
10	IRANM	RAN_COMMON	NM_BAYES_INT	IRANM	Random method for Monte Carlo EM methods
66	MEPS	EPS	NM_BAYES_REAL	MEPS	Machine double precision (typically about 1.0E-15)
67	PI	PI	NM_BAYES_REAL	PI	Contains the number PI
68	IKEY_PITER	PITERTERM_COMMON	NM_BAYES_INT	IKEY_PITER	=1 to printer iterations, in response to ctrl-I, or signal file iter.sig
69	IKEY_TERM	PITERTERM_COMMON	NM_BAYES_INT	IKEY_TERM	=5 to end run, in response to ctrl-E, or stop.sig file =11 to end mode, in response to ctrl-K, or next.sig file
169	ITERATION	POP_SWITCHES	NMBAYES_ INT	ITERATION	Present iteration of an EM/Bayesian Method (always non-negative).
170	ITER_REPORT	POP_SWITCHES	NMBAYES_ INT	ITER_REPORT	Iteration number that is reported to output (can be negative, if during a burn period).
173	NPAT	NPAT_COMMON	NMBAYES_ INT	NPAT	Number of subjects that have data
204	SAEM_MODE	SAEM_COMMON	NMBAYES_ INT	SAEM_MODE	=0 Bayes method =1 Stochastic period of SAEM, IMP, ITS, DIRECT, IMPMAP =2 reduced stochastic/accumulative period of SAEM
206	ITS_MODE	SAEM_COMMON	NMBAYES_ INT	ITS_MODE	=0 no MAP estimation =1 MAP estimation on first iteration =2 MAP estimation all iterations (IMPMAP) =3 ITS
207	IMP_MODE	SAEM_COMMON	NMBAYES_ INT	IMP_MODE	=0 no Monte Carlo importance sampling =1 Monte Carlo importance sampling

#	Original Variable Name	Referenced Common block	Referenced Module Name	Modified Variable Name	Description of the variable
208	PITERPRINT	SAEM_COMMON	NMBAYES_ INT	PITERPRINT	=1 print iteration information =0 don't print iteration information
217	OBJI	MEM_BEOWULF_COMMON	NMBAYES_ REAL	OBJI	OBJI(NIREC,1)= objective function value for subject NIREC
235	SBANNER	SBANNER_ COMMON	NMBAYES_ CHAR	SBANNER	Text to stimation method
251	IBMETHOD	BAYES_COMMON	NMBAYES_ INT	IBMETHOD	Holds METHOD type EST_STANDARD (FO/FOCE/LaPLCE) EST_DIRECT EST_BAYES EST_ITS EST_SAEM EST_IMP EST_IMPMAP EST_CHAIN EST_* are defined in module EST_DEFS
335	EST_COUNTER	EST_COUNTER_COMMON	NMBAYES_ INT	EST_COUNTER	Total number of $EST statements.
336	IEST_COUNTER	EST_COUNTER_COMMON	NMBAYES_ INT	IEST_COUNTER	Present $EST statement being executed.
339	DHPRIOR	LIK_REDO_ COMMON2	NMBAYES_ REAL	DHPRIOR	Prior portion for EM methods
353	LDF	LDF_COMMON	NMBAYES_ REAL	LDF	LDF(i)=Loss of degrees of freedom for omega i (usually=1).. Used in correction for EM analyses only.
364	ITABLE	ITABLE_COMMON	NMBAYES_ INT	ITABLE	Table number (#TBLN in NONMEM report file, and table numbers in extra output files, such as .ext, .phi, .phm, etc.)
450			NMBAYES_ INT	BAYES_EXTRA_REQUEST	See example8
451			NMBAYES_ INT	BAYES_EXTRA	See example8

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452			NMBAYES_ INT	PATCOUNT	Number of subjects with data
473			NMBAYES_ INT	CONSTRAIN	CONSTRAIN setting by which CONSTRAINT routine responds
536			NM_BAYES_INT	IKEY_SUBJ	IF IKEY_SUBJ=20, then ctrl-T or subject.sig signal
538			NM_BAYES_INT	IKEY_BEOPRINT	Toggle to ctrl-B or sending paraprint.sig file.
			PNM_CONFIG	PNM_RUN_MODE	May have values: PNM_MANAGER PNM_WORKER PNM_SINGLE
			PNM_CONFIG	PNM_NODE_NUMBER	1=MANAGER, or SINGLE 2- PNM_NODES=WORKER
			PNM_CONFIG	PNM_NODES	Number of NODES
			PNM_CONFIG	PNM_COMPUTERS	COMPUTERS setting in pnm file
			PNM_CONFIG	PNM_PARAPRINT	PARAPRINT setting in pnm file
			PNM_CONFIG	PNM_SPLIT	PARSE_TYPE setting in pnm file
			PNM_CONFIG	PNM_PARSE_NUMBER	PARSE_NUM
			PNM_CONFIG	PNM_TRANSFER_TYPE	TRANSFER_TYPE
			PNM_CONFIG	PNM_TIMEOUTI	TIMEOUTI
			PNM_CONFIG	PNM_TIMEOUT	TIMEOUT
			PNM_CONFIG	PNM_COMMAND	Array pnm commands
			PNM_CONFIG	PNM_WORKER_DIRS	Array with worker directories (1-nodes-1)
			PNM_CONFIG	PNM_MTOUCH	MTOUCH
			PNM_CONFIG	PNM_MSLEEP	MSLEEP

#	Original Variable Name	Referenced Common block	Referenced Module Name	Modified Variable Name	Description of the variable
			PNM_CONFIG	PNM_WTOUCH	WTOUCH
			PNM_CONFIG	PNM_WSLEEP	WSLEEP
			NMBAYES_CHAR	RANMETHOD	$EST RANMETHOD
			NMBAYES_CHAR	SRANMETHOD	$SIML RANMETHOD
			NMBAYES_CHAR	TRANMETHOD	$TABLE RANMETHOD
			NMBAYES_CHAR	CRANMETHOD	$EST METHOD=CHAIN RANMETHOD
			NMBAYES_CHAR	CCRANMETHOD	$CHAIN RANMETHOD
			NMBAYES_INT	ETASTYPE	ETASTYPE
			NMPRD_INT	NETAZ	Maximum eta index to have non-zero OMEGA diagonal
			NMPRD_INT	NEPSZ	Maximum eps index to have non-zero SIGMA diagonal
			NMBAYES_REAL	OMEGANNL	For each x,y in $ANNEAL x:y OMEGANNL(x)=y Those not defined in $ANNEAL are set to -1 Used in CONSTRAINT.f90