SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
%<dollar>TEMP	-- data from another run.	
AIMP	Avg A of impurity	
ALPC	MAG:ALPHA, CALCULATED	
ASHAF	SHAFRANOV AXIS SHIFT	CM
ASHAFDA	SHAFRANOV AXIS SHIFT (MHD DATA)	CM
BBNTS	BEAM-BEAM NEUTRONS	N/SEC
BBNTS_DD	DD BEAM-BEAM NEUTRONS	N/SEC
BBPAR	BEAM BETA(POLOIDAL) PLL	
BBPER	BEAM BETA(POLOIDAL) PERP	
BDNDT	D/DT(FAST ION POPULATION)	N/SEC
BDNDTX	D/DT(FAST IONS OUTSIDE PLASMA)	N/SEC
BDNDTX_D	D/DT(D BEAM IONS OUTSIDE PLASMA)	N/SEC
BDNDT_D	D/DT(D BEAM ION POPULATION)	N/SEC
BETAE	ELECTRON BETA (POLOIDAL)	
BETAI	THERMAL ION BETA POLOIDAL	
BETAR	ROTATION BETA (POLOIDAL)	
BETAT	TOTAL BETA(POLOIDAL)	
BPBAL	FAST ION POWER BALANCE	WATTS
BPBAL_D	D BEAM POWER BALANCE	WATTS
BPCAP	BEAM POWER CAPTURED	WATTS
BPCI0	FAST ION CX SCE POWER (INT)	WATTS
BPCI0_D	D BEAM CX SCE POWER (INT)	WATTS
BPCOL	NB PWR: COLLISIONAL TORQUE	WATTS
BPCOL_D	D BEAM PWR: COLLISIONAL TORQUE	WATTS
BPCPR	POWER: COMPRESSION OF FAST IONS	WATTS
BPCPR_D	POWER: COMPRESSION OF D BEAM	WATTS

SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
BPCRI	FAST ION CX RECAPTURE (INT)	WATTS
BPCRI_D	D BEAM CX RECAPTURE (INT)	WATTS
BPCRX	FAST ION CX RECAPTURE (EXT)	WATTS
BPCRX_D	D BEAM CX RECAPTURE (EXT)	WATTS
BPCX0	FAST ION CX SCE POWER (EXT)	WATTS
BPCX0_D	D BEAM CX SCE POWER (EXT)	WATTS
BPCXE	FAST ION CX TRACKER ERROR	WATTS
BPCXE_D	D BEAM CX TRACKER ERROR	WATTS
BPCXI	FAST ION POWER TO CX (INT)	WATTS
BPCXI_D	D BEAM POWER TO CX (INT)	WATTS
BPCXX	FAST ION POWER TO CX (EXT)	WATTS
BPCXX_D	D BEAM POWER TO CX (EXT)	WATTS
BPDA1	1D DIAMAGNETIC BETA(POLOIDAL)	
BPDC	KINETIC BETA(DIA)	
BPDIA	DIAMAGNETIC BETA(POLOIDAL)	
BPDM	MAGNETICS EST. BETA(DIA)	
BPEPHI	Electrostatic field -> fast ions	WATTS
BPEPHI_D	ELECTROSTATIC ACCEL.: D BEAM	WATTS
BPEQ	EQUILIBRIUM BETA(POLOIDAL)	
BPEQ1	1D EQUILIBRIUM BETA(POLOIDAL)	
BPERR	FAST ION ORBIT POWER ERROR	WATTS
BPERR_D	D BEAM ORBIT POWER ERROR	WATTS
BPFASTPA	TOTAL FAST ION BETA(POL) PLL	
BPFASTPP	TOTAL FAST ION BETA(POL) PERP	
BPHCK	FI ROT. BALANCE CHECK	NT-M
BPHCK_D	D BEAM: BALANCE CHECK	NT-M

SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
BPHCL	FI ROT. COLLISIONAL TORQUE	NT-M
BPHCL_D	D BEAM: COLLISIONAL TORQUE	NT-M
BPHCX	FI ROT. CX LOSS	NT-M
BPHCX_D	D BEAM: CX LOSS	NT-M
BPHDFB_D	D BEAM: ANOM.DIFF. TORQUE	NT-M
BPHDP	FI ROT. DEPOSITION	NT-M
BPHDP_D	D BEAM: DEPOSITION	NT-M
BPHER	FI ORBIT TORQUE ERROR	NT-M
BPHER_D	D BEAM ORBIT TORQUE ERROR	NT-M
BPHI	FAST ION ANGULAR MOMENTUM	NT-M-SEC
BPHI_D	D BEAM ION ANGULAR MOMENTUM	NT-M-SEC
BPHOH	FI ROT. FROM OH	NT-M
BPHOH_D	D BEAM: FROM OH	NT-M
BPHOR	FI ROT. ORBIT LOSS	NT-M
BPHOR_D	D BEAM: ORBIT LOSS	NT-M
BPHRC	FI ROT. CX RECAPTURE	NT-M
BPHRC_D	D BEAM: CX RECAPTURE	NT-M
BPHST	FI ROT. ANGULAR MOMENTUM GAIN	NT-M
BPHST_D	D BEAM: ANGULAR MOMENTUM GAIN	NT-M
BPHTH	FI ROT. THERMALIZATION	NT-M
BPHTH_D	D BEAM: THERMALIZATION	NT-M
BPHTO	TOTAL FAST ION HEATING	WATTS
BPHW0	FI ROT. NEUTRAL ESCAPE	NT-M
BPHW0_D	D BEAM: NEUTRAL ESCAPE	NT-M
BPHXB	FI ROT. JXB TORQUE	NT-M
BPHXB_D	D BEAM: JXB TORQUE	NT-M

SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
BPJXB	NB PWR: JXB TORQUE	WATTS
BPJXB_D	D BEAM PWR: JXB TORQUE	WATTS
BPLIM	FAST ION ORBIT LOSS	WATTS
BPLIM_D	D BEAM ORBIT LOSS	WATTS
BPOH	POWER: OH CIRCUIT TO FAST IONS	WATTS
BPOH_D	POWER: OH CIRCUIT TO D BEAM	WATTS
BPSHI	FAST ION SHINE-THRU POWER	WATTS
BPSHI_D	D BEAM SHINE-THRU POWER	WATTS
BPST	FAST ION POWER STORED	WATTS
BPST_D	D BEAM POWER STORED	WATTS
BPTDFB_D	D BEAM PWR: ANOM.DIFF TORQUE	WATTS
BPTE	BEAM POWER TO ELECTRONS	WATTS
BPTE_D	D BEAM POWER TO ELECTRONS	WATTS
BPTH	FAST ION POWER THERMALIZED	WATTS
BPTHA	NB PWR: ASSYM.THERMALIZATION	WATTS
BPTHA_D	D BEAM PWR: ASSYM.THERMALIZATION	WATTS
BPTHR	NB PWR: THERMALIZATION>ROTATION	WATTS
BPTHR_D	D BEAM PWR: THERMALIZ>ROTATION	WATTS
BPTHS	NB PWR: TH.SCE.FRICTION	WATTS
BPTHS_D	D BEAM PWR: TH.SCE.FRICTION	WATTS
BPTH_D	D BEAM POWER THERMALIZED	WATTS
BPTI	BEAM POWER TO IONS	WATTS
BPTI_D	D BEAM POWER TO IONS	WATTS
BSBAL	FAST ION PTCL BALANCE	N/SEC
BSBAL_D	D BEAM PTCL BALANCE	N/SEC
BSNXI	FAST ION CX SINK (INT)	N/SEC

SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
BSNXI_D	D BEAM CX SINK (INT)	N/SEC
BSNXO	FAST ION CX SINK (EXT)	N/SEC
BSNXO_D	D BEAM CX SINK (EXT)	N/SEC
BSORB	FAST ION ORBIT LOSSES	N/SEC
BSORB_D	D BEAM ORBIT LOSSES	N/SEC
BSTH	FAST ION THERMALIZATIONS	N/SEC
BSTH_D	D BEAM THERMALIZATIONS	N/SEC
BTDIA	DIAMAGNETIC BETA(TOROIDAL)	
BTEQ	EQUILIBRIUM BETA(TOROIDAL)	
BTNTS	BEAM-TARGET NEUTRONS	N/SEC
BTNTS_DD	DD BEAM-TARGET NEUTRONS	N/SEC
BZ	BZ @R=RMAJOR OUTSIDE PLASMA	TESLA
BZXR	VACUUM FIELD "BZ*R"	TESLA*CM
COFRC	BEAM FRACTION "CO"	
COFRC_D	D BEAM FRACTION "CO"	
CPBDEP	CPU: FAST ION DEPOSITION	HOURS
CPBMCINI	CPU: FAST ION MC TABLE SETUP	HOURS
CPBMIN	MIN CPU TIME: NUBEAM CODE	HOURS
CPBORB	CPU: FAST ION ORBIT + COLLISIONS	HOURS
CPBOUT	CPU: FAST ION OUTPUT RENORM	HOURS
CPBROOT	ROOT CPU TIME: NUBEAM CODE	HOURS
CPGEOCAL	CPU TIME: Flux Surf. Averages	HOURS
CPGEOM	CPU TIME: FLUX SURFACE GEOMETRY	HOURS
CPLH	CPU TIME: JET LOWER HYBRID	HOURS
CPMCFI	CPU: MONTE CARLO FAST ION CODE	HOURS
CPMHDQ	CPU TIME: MHD EQUILIBRIUM	HOURS

SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
CPMMAX	MAX CPU TIME: NUBEAM CODE	HOURS
CPOUT	CPU TIME: OUTPUT SYSTEM	HOURS
CPSC0	CPU: NEUTRAL TRANSPORT MODEL	HOURS
CPTIM	CPU TIME USED SO FAR	HOURS
CPTRK	CPU TIME: STRAIGHT LINE TRACKER	HOURS
CPXPGL	CPU: xplasma load	HOURS
CXIN1D	CX DET1 D TI INTERCEPT	1/CM^5
CXIN2D	CX DET2 D TI INTERCEPT	1/CM^5
CXIN3D	CX DET3 D TI INTERCEPT	1/CM^5
CXIN4D	CX DET4 D TI INTERCEPT	1/CM^5
CXIN5D	CX DET5 D TI INTERCEPT	1/CM^5
CXIN6D	CX DET6 D TI INTERCEPT	1/CM^5
CXIN7D	CX DET7 D TI INTERCEPT	1/CM^5
CXIN8D	CX DET8 D TI INTERCEPT	1/CM^5
CXIN9D	CX DET9 D TI INTERCEPT	1/CM^5
CXMN1D	CX DET1 D TI FIT EMIN	eV
CXMN2D	CX DET2 D TI FIT EMIN	eV
CXMN3D	CX DET3 D TI FIT EMIN	eV
CXMN4D	CX DET4 D TI FIT EMIN	eV
CXMN5D	CX DET5 D TI FIT EMIN	eV
CXMN6D	CX DET6 D TI FIT EMIN	eV
CXMN7D	CX DET7 D TI FIT EMIN	eV
CXMN8D	CX DET8 D TI FIT EMIN	eV
CXMN9D	CX DET9 D TI FIT EMIN	eV
CXMX1D	CX DET1 D TI FIT EMAX	eV
CXMX2D	CX DET2 D TI FIT EMAX	eV

SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
CXMX3D	CX DET3 D TI FIT EMAX	eV
CXMX4D	CX DET4 D TI FIT EMAX	eV
CXMX5D	CX DET5 D TI FIT EMAX	eV
CXMX6D	CX DET6 D TI FIT EMAX	eV
CXMX7D	CX DET7 D TI FIT EMAX	eV
CXMX8D	CX DET8 D TI FIT EMAX	eV
CXMX9D	CX DET9 D TI FIT EMAX	eV
CXTI1D	CX DET1 D TI FIT	EV
CXTI2D	CX DET2 D TI FIT	EV
CXTI3D	CX DET3 D TI FIT	EV
CXTI4D	CX DET4 D TI FIT	EV
CXTI5D	CX DET5 D TI FIT	EV
CXTI6D	CX DET6 D TI FIT	EV
CXTI7D	CX DET7 D TI FIT	EV
CXTI8D	CX DET8 D TI FIT	EV
CXTI9D	CX DET9 D TI FIT	EV
DCXFL1	CX DET1 D 60keV FLUX	1/S/EV/CM^2
DCXFL2	CX DET2 D 60keV FLUX	1/S/EV/CM^2
DCXFL3	CX DET3 D 60keV FLUX	1/S/EV/CM^2
DCXFL4	CX DET4 D 60keV FLUX	1/S/EV/CM^2
DCXFL5	CX DET5 D 60keV FLUX	1/S/EV/CM^2
DCXFL6	CX DET6 D 60keV FLUX	1/S/EV/CM^2
DCXFL7	CX DET7 D 60keV FLUX	1/S/EV/CM^2
DCXFL8	CX DET8 D 60keV FLUX	1/S/EV/CM^2
DCXFL9	CX DET9 D 60keV FLUX	1/S/EV/CM^2
DFLUX	COMPUTED DIAMAGNETIC FLUX	WEBERS

SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
DT	ENERGY BALANCE TIMESTEP	SECONDS
DTG	TIMESTEP FOR GEOMETRY	SECONDS
DTPROFIL	TIME SPACING FOR PROFILE OUTPUT	SECONDS
DTSCALAR	TIME SPACING FOR SCALAR OUTPUT	SECONDS
DTSCE	TIMESTEP FOR SOURCES	SECONDS
E0INR	T0 (RECYCLING) @EDGE	EV
ECEGAP	ECE B(R) monotonicity gap	CM
EINJ	MAX INITIAL BEAM ENERGY	EV
EINJAV_D	D: avg full injection energy	EV
ELDOT	ELDOT: GRID MOTION	1/SEC
FIEFAC	Ti <-> Te switching factor	
FLSTA	FALSI ERROR CODE	0=NORMAL
GASD	D0 GAS FLOW SOURCE	N/SEC
GASH	H0 GAS FLOW SOURCE	N/SEC
GIEFAC	Ti/Te ratio when Te used for Ti	
GRBA_DATA	(R*Bt) Ufile data at bdy	TESLA*CM
GSERROR	REL.EQUIL.GRAD-SHAFRANOV ERROR	
HIO2	INDUCTANCE (HI/2)	
IPXVS	PCUR * VSUR	WATTS
KAINT	K(ALPHA) LINE INTENSITY	ARB.UNITS
KATX	COMPUTED K(ALPHA) T(IMPURITY)	EV
L2PB1	1D DEFINITION LI/2+BETA	
LAMDC	KINETIC+J EST. LAMDA	
LAMDM	MAGNETICS EST. LAMDA	
LI2PB	LI/2 + BETA(POLOIDAL)	
LIO2	INDUCTANCE (LI/2)	

SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
LIO21	1D DEFINITION OF LI/2	
LIO2C	LI/2 (COMPUTED FROM J PROFILE)	
LIO2M	LI/2 (MAGNETICS DATA ESTIMATE)	
LI_1	Inductance definition Li_1	
LI_3	Inductance definition Li_3	
LI_VDIFF	Inductance: TRANSP V-diff norm.	
MNEUT	MEASURED NEUTRONS	N/SEC
MUIC	TRANSP EST. MU(DIA) MHD EQ	
MUIM	MAGNETICS EST. MU(DIA)	
NEUTT	TOTAL NEUTRONS	N/SEC
NEUTX	THERMONUCLEAR NEUTRONS	N/SEC
NEUTX_DD	DD THERMONUCLEAR NEUTRONS	N/SEC
NMCLOSS_D	Beam D MC Prompt Loss	N
NMCTOT_D	Beam D Total MC Ions	N
P0BAL	NEUTRAL POWER BALANCE CHECK	WATTS
P0CXT	TOTAL CX POWER	WATTS
P0ESC	NEUTRAL POWER ESCAPED	WATTS
P0FIN	NEUTRAL INFLUX POWER	WATTS
P0INZ	NEUTRAL POWER IONIZED	WATTS
P0RFL	NEUTRAL POWER REFLECTED IN	WATTS
PAREA	PLASMA CROSS SECTION AREA	CM**2
PCUR	MEASURED PLASMA CURRENT	AMPS
PCURC	CALCULATED PLASMA CURRENT	AMPS
PCUREQ	EQ PLASMA CURRENT	AMPS
PEEDG	ELECTRON ENERGY VIA BDY	WATTS
PIEDG	ION ENERGY VIA BDY	WATTS

SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
PINJ	BEAM POWER INJECTED	WATTS
PINJ_D	TOTAL INJECTED D BEAM POWER	WATTS
PLFLXA	ENCLOSED POLOIDAL FLUX	Wb/rad
PLFLXD	ENCLOSED POLOIDAL FLUX (data)	Wb/rad
POHT	OHMIC INPUT POWER	WATTS
PRFB_D	RF POWER -> D BEAM IONS	WATTS
PVOL	PLASMA VOLUME	CM**3
PVOLB	PLASMA VOLUME FROM BOUNDARY	CM**3
PVOLF	PLASMA VOLUME FROM FLUX SURF	CM**3
Q0	Q ON AXIS	
RAXIS	MAJOR RADIUS OF MAG. AXIS	CM
RCYD	D0 RECYCLING SOURCE	N/SEC
RCYH	H0 RECYCLING SOURCE	N/SEC
RLI_3	Bdy R = (Rmin+Rmax)/2 for Li_3	CM
RMAJBLIM	RMAJ EXTENT OF THE BOUNDARY	CM
RMAJDIFF	MAX DIFF BOUND AND FLUX MIDPLANE	CM
RMCB0	0TH ASYM R BOUND MOMENT	CM
RMCB1	1st ASYM R COS BOUND MOMENT	CM
RMCB10	10th ASYM R COS BOUND MOMENT	CM
RMCB11	11th ASYM R COS BOUND MOMENT	CM
RMCB12	12th ASYM R COS BOUND MOMENT	CM
RMCB13	13th ASYM R COS BOUND MOMENT	CM
RMCB14	14th ASYM R COS BOUND MOMENT	CM
RMCB15	15th ASYM R COS BOUND MOMENT	CM
RMCB16	16th ASYM R COS BOUND MOMENT	CM
RMCB2	2nd ASYM R COS BOUND MOMENT	CM

SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
RMCB3	3rd ASYM R COS BOUND MOMENT	CM
RMCB4	4th ASYM R COS BOUND MOMENT	CM
RMCB5	5th ASYM R COS BOUND MOMENT	CM
RMCB6	6th ASYM R COS BOUND MOMENT	CM
RMCB7	7th ASYM R COS BOUND MOMENT	CM
RMCB8	8th ASYM R COS BOUND MOMENT	CM
RMCB9	9th ASYM R COS BOUND MOMENT	CM
RMSB1	1st ASYM R SIN BOUND MOMENT	CM
RMSB10	10th ASYM R SIN BOUND MOMENT	CM
RMSB11	11th ASYM R SIN BOUND MOMENT	CM
RMSB12	12th ASYM R SIN BOUND MOMENT	CM
RMSB13	13th ASYM R SIN BOUND MOMENT	CM
RMSB14	14th ASYM R SIN BOUND MOMENT	CM
RMSB15	15th ASYM R SIN BOUND MOMENT	CM
RMSB16	16th ASYM R SIN BOUND MOMENT	CM
RMSB2	2nd ASYM R SIN BOUND MOMENT	CM
RMSB3	3rd ASYM R SIN BOUND MOMENT	CM
RMSB4	4th ASYM R SIN BOUND MOMENT	CM
RMSB5	5th ASYM R SIN BOUND MOMENT	CM
RMSB6	6th ASYM R SIN BOUND MOMENT	CM
RMSB7	7th ASYM R SIN BOUND MOMENT	CM
RMSB8	8th ASYM R SIN BOUND MOMENT	CM
RMSB9	9th ASYM R SIN BOUND MOMENT	CM
RTPC	MAG:RT, CALCULATED	CM
RTXUV	UV DOPPLER TI RADIUS	CM
RZITER	RZSOLVER iterations	

SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
SBCX0MC_D	D BEAM CX NEUTRALS LAUNCHED	N/SEC
SBCXBAL_D	D BEAM CX NEUTRAL PTCL BAL	N/SEC
SBCXESC_D	D BEAM CX NEUTRALS ESCAPED	N/SEC
SBCXRMC_D	D BEAM CX MC IONS RECAPTURED	N/SEC
SBCXRR_D	D BEAM CX NEUTRALS "R.R."	N/SEC
SBCXX	CX FAST ION LOSS	N/SEC
SBCXX_D	CX D BEAM ION LOSS	N/SEC
SBDBBCX_D	D BEAM DEP: BEAM-BEAM CX	N/SEC
SBDBBIZ_D	D BEAM DEP: BEAM-BEAM IONIZ.	N/SEC
SBDEPBA_D	D BEAM DEP PTCL BALANCE	N/SEC
SBDEPCX_D	D BEAM DEP: CX W/THERMAL IONS	N/SEC
SBDEPIZ_D	D BEAM DEP: TH.IONIZATION	N/SEC
SBDEPMC_D	D BEAM MC IONS DEPOSITED	N/SEC
SBDEPRR_D	D BEAM DEP "RUSSIAN ROULETTE"	N/SEC
SBDEPSC_D	D BEAM TOTAL DEPOSITION SCE	N/SEC
SBDTBMC_D	D BEAM MC RATE OF CHANGE	N/SEC
SBORBAL_D	D BEAM ORBIT PTCL BALANCE	N/SEC
SBORBRR_D	D BEAM ORBIT CODE "R.R."	N/SEC
SBRBBCX_D	D BEAM RECAP: BEAM-BEAM CX	N/SEC
SBRBBIZ_D	D BEAM RECAP: BEAM-BEAM IONIZ.	N/SEC
SBSHINE_D	D BEAM SHINE-THROUGH	N/SEC
SBXRCCX_D	D BEAM RECAP: TH.CX	N/SEC
SBXRCIZ_D	D BEAM RECAP: TH.IONIZATION	N/SEC
SBXRCSC_D	D BEAM TOTAL RECAPTURE SCE	N/SEC
SEEDG	ELECTRONS VIA BDY	N/SEC
SFDEP	FAST ION SCE: DEPOSITION	N/SEC

SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
SFRCAP	FAST ION CX RECAPTURE	N/SEC
SHF0TER	TER inferred axis shift	CM
SHFSC	CALCULATED S1+S2	
SHFSM	MAGNETICS EST. S1+S2	
SINJ	FAST NEUTRALS INJECTED	N/SEC
SINJEA_D	D DEP E.CONSERVATION ADJUST	N/SEC
SINJ_D	FAST D BEAM NEUTRALS INJECTED	N/SEC
SNBXBB0_D	D BEAM ION CX W/ BEAM NEUTS	N/SEC
SNBXBB1_D	D BEAM ION CX W/ FAST CX NEUTS	N/SEC
SNBXTOT_D	TOTAL D BEAM ION CX SINK	N/SEC
SNBXV0_D	D BEAM ION CX SINK: HALO NEUTS	N/SEC
SNBXW0_D	D BEAM ION CX SINK: WALL NEUTS	N/SEC
TAUA1	ENERGY CONFINEMENT (TOTAL)	SECONDS
TAUEA	ENERGY CONFINEMENT (THERMAL)	SECONDS
TAUEE	ELECTRON ENERGY CONFINEMENT	SECONDS
TE0	ELECTRON TEMPERATURE ON AXIS	EV
TEEDG	ELECTRON TEMPERATURE AT BDY	EV
TEPHA	SIMULATED PHA TE	EV
TFLUX	ENCLOSED TOROIDAL FLUX	WEBERS
TI0	ION TEMPERATURE ON AXIS	EV
TIDAT	TI DATA (FOR COMPARISON)	EV
TIEDG	ION TEMPERATURE AT BDY	EV
TIME	Time	Seconds
TOT2TT	TOTAL T(T,2N)HE4 FUSION	N/SEC
TOTDDN	TOTAL D(D,N)HE3 FUSION	N/SEC
TOTDDP	TOTAL D(D,P)T FUSION	N/SEC

SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
TOTDT	TOTAL D-T FUSION	N/SEC
TRAPB0_D	D beam full E dep banana frac.	
TRAPB_D	D beam ions banana fraction	
TRFLXD	ENCLOSED TOROIDAL FLUX (data)	WEBERS
TXUV	UV DOPPLER T(IMPURITY)	EV
VISBC	CHORDAL VB LIGHT (CALCULATED)	VB UNITS
VSUR	MEAS.AVG. SURFACE VOLTAGE	VOLTS
VSUR0	SURFACE VOLTAGE	VOLTS
VSURC	CALC.AVG. SURFACE VOLTAGE	VOLTS
WALLTIME	Elapsed wall clock time	HOURS
WNMCTOT_D	Beam D Total MC Ions	#ptcls
XBFAC	MHD BETA ADJUSTMENT FACTOR	
XIQ1	xi of Q=1 surface	
XIQ2	xi of Q=2 surface	
XIQ3	xi of Q=3 surface	
XIQ3_2	xi of Q=3/2 surface	
XKFA1	ION CHI(I) MULTIPLIER	
XKFA2	Q<1 ION NC CHI(I) MULTIPLIER	
XZIMP	Avg Z of Impurity	
XZIMPD	Avg Z of Impurity Data	
YAXIS	ASYMMETRIC GEO: Y OF MAG. AXIS	CM
YMCB0	0TH ASYM Y BOUND MOMENT	CM
YMCB1	1st ASYM Y COS BOUND MOMENT	CM
YMCB10	10th ASYM Y COS BOUND MOMENT	CM
YMCB11	11th ASYM Y COS BOUND MOMENT	CM
YMCB12	12th ASYM Y COS BOUND MOMENT	CM

SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
YMCB13	13th ASYM Y COS BOUND MOMENT	CM
YMCB14	14th ASYM Y COS BOUND MOMENT	CM
YMCB15	15th ASYM Y COS BOUND MOMENT	CM
YMCB16	16th ASYM Y COS BOUND MOMENT	CM
YMCB2	2nd ASYM Y COS BOUND MOMENT	CM
YMCB3	3rd ASYM Y COS BOUND MOMENT	CM
YMCB4	4th ASYM Y COS BOUND MOMENT	CM
YMCB5	5th ASYM Y COS BOUND MOMENT	CM
YMCB6	6th ASYM Y COS BOUND MOMENT	CM
YMCB7	7th ASYM Y COS BOUND MOMENT	CM
YMCB8	8th ASYM Y COS BOUND MOMENT	CM
YMCB9	9th ASYM Y COS BOUND MOMENT	CM
YMPBDY	"MIDPLANE" Y OF ASYM BDY SURFACE	CM
YMSB1	1st ASYM Y SIN BOUND MOMENT	CM
YMSB10	10th ASYM Y SIN BOUND MOMENT	CM
YMSB11	11th ASYM Y SIN BOUND MOMENT	CM
YMSB12	12th ASYM Y SIN BOUND MOMENT	CM
YMSB13	13th ASYM Y SIN BOUND MOMENT	CM
YMSB14	14th ASYM Y SIN BOUND MOMENT	CM
YMSB15	15th ASYM Y SIN BOUND MOMENT	CM
YMSB16	16th ASYM Y SIN BOUND MOMENT	CM
YMSB2	2nd ASYM Y SIN BOUND MOMENT	CM
YMSB3	3rd ASYM Y SIN BOUND MOMENT	CM
YMSB4	4th ASYM Y SIN BOUND MOMENT	CM
YMSB5	5th ASYM Y SIN BOUND MOMENT	CM
YMSB6	6th ASYM Y SIN BOUND MOMENT	CM

SCALAR FUNCTIONS OF TIME RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS
YMSB7	7th ASYM Y SIN BOUND MOMENT	CM
YMSB8	8th ASYM Y SIN BOUND MOMENT	CM
YMSB9	9th ASYM Y SIN BOUND MOMENT	CM
ZEFFC	AXIAL PLASMA COMPOSITION ZEFF	
ZEFFI0	INPUT AXIAL ZEFF (UNCONSTRAINED)	
ZEFFM	AXIAL MAGDIF. ZEFF	

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
AIMPJ	Zonal avg A of impurity		X
AMAG	BZ**2/BPOL**2 PROFILE		X
AMOI	Total Therm Ang Inertia Dens	NtMS2/CM3	X
ARAT	ASPECT RATIO		XB
BALE0	NEUTRAL POWER BALANCE	WATTS/CM3	X
BALN0	BALANCE CHECK	N/CM3/SEC	X
BBETA	BEAM BETA POLOIDAL		X
BBNT2_DD	DD BEAM-BEAM NEUTRONS	N/CM3/SEC	MCINDX
BBNTX	BEAM-BEAM NEUTRONS	N/CM3/SEC	X
BBNTX_DD	DD BEAM-BEAM NEUTRONS	N/CM3/SEC	X
BBPLL	BEAM BETA PLL (POLOIDAL)		X
BBPRP	BEAM BETA PERP (POLOIDAL)		X
BDENS	BEAM ION DENSITY	N/CM**3	X
BDENS2_D	D Beam ion density	N/CM**3	MCINDX
BDENS_D	D BEAM ION DENSITY	N/CM**3	X
BDEPE_D1	FULL E D BEAM DEP (TOTAL)	N/CM3/SEC	X
BDEPE_D2	HALF E D BEAM DEP (TOTAL)	N/CM3/SEC	X
BDEPE_D3	1/3 E D BEAM DEP (TOTAL)	N/CM3/SEC	X
BDEP_D	D BEAM DEPOSITION (TOTAL)	N/CM3/SEC	X
BEPERP2_D	D Beam ion <Eperp>	eV	MCINDX
BEPLL2_D	D Beam ion <Epll>	eV	MCINDX
BMAX	Bmax on flux surface	Tesla	X
BMIN	Bmin on flux surface	Tesla	X
BMVOL	2d MC grid zone volumes	CM**3	MCINDX
BN0T1	N0(BEAM):1.GEN 1/1*EB	N/CM**3	X
BN0T2	N0(BEAM):1.GEN 1/2*EB	N/CM**3	X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
BN0T3	N0(BEAM):1.GEN 1/3*EB	N/CM**3	X
BOGUSE	BOGUS HEATING TO KEEP TE > 0	WATTS/CM3	X
BOGUSI	BOGUS HEATING TO KEEP TI > 0	WATTS/CM3	X
BOL_IN	BOL data as input	W/cm**3	RMJSYM
BOL_USE	BOL data as used	W/cm**3	RMJSYM
BPOL	POLOIDAL FIELD	TESLA	XB
BTBE	BEAM BETA TOROIDAL		X
BTE	ELECTRON BETA TOROIDAL		X
BTI	ION BETA TOROIDAL		X
BTNT2_DD	DD BEAM-TARGET NEUTRONS	N/CM3/SEC	MCINDX
BTNTX	BEAM-TARGET NEUTRONS	N/CM3/SEC	X
BTNTX_DD	DD BEAM-TARGET NEUTRONS	N/CM3/SEC	X
BTPL	PLASMA BETA TOROIDAL		X
BTRAP0_D	D beam full E dep banana frac.		X
BTRAP_D	D beam ions banana fraction		X
BTROT	ROTATION BETA TOROIDAL		X
BTTOT	TOTAL BETA TOROIDAL		X
BTX	|BT(EXTERNAL)|	TESLA	RMAJM
BVTOR2_D	D Beam ion <Vtor>	cm/sec	MCINDX
CHPHDAT	MOMENTUM CHI(PHI) DATA	CM**2/SEC	XB
CHPHI	MOMENTUM DIFFUSIVITY	CM**2/SEC	XB
CHPHM	MOMENTUM CHI(PHI) MODEL	CM**2/SEC	XB
CHPHMNC	MOMENTUM CHI(PHI) NEOCLASSICAL	CM**2/SEC	XB
CHPHMTB	MOMENTUM CHI(PHI) TURBULENT	CM**2/SEC	XB
CLOGE	ELECTRON COULOMB LOG		X
CLOGI	ION COULOMB LOG		X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
CONDE	ELECTRON HEAT DIFFUSIVITY	CM**2/SEC	XB
CONDEF	1 FLUID "EFFECTIVE" CHI	CM**2/SEC	XB
CONDI	ION HEAT DIFFUSIVITY	CM**2/SEC	XB
CONDICWNC	NCLASS ion class heat conduct	CM**2/SEC	XB
CONDIWNC	NCLASS ion heat conductivity	CM**2/SEC	XB
CONDWNCD	NCLASS D+ heat conductivity	CM**2/SEC	XB
CONDWNCE	NCLASS e- heat conductivity	CM**2/SEC	XB
CONDWNCH	NCLASS H heat conductivity	CM**2/SEC	XB
CONDWNCX	NCLASS Imp heat conductivity	CM**2/SEC	XB
CONPLJB	Approximate <J.B>/Jtor	TESLA	X
CUR	TOTAL PLASMA CURRENT	AMPS/CM2	X
CURB	BEAM DRIVEN CURRENT	AMPS/CM2	X
CURBRABD	FAST ION RAD.CUR (ANOM DIFFUS)	AMPS	XB
CURBRFSH	FAST ION RAD.CUR (FISHBONES)	AMPS	XB
CURBRORB	FAST ION RADIAL CURRENT (ORBIT)	AMPS	XB
CURBRRIP	FAST ION RAD.CUR (RIPPLE LOSS)	AMPS	XB
CURBS	BOOTSTRAP CURRENT	AMPS/CM2	X
CURBSEPS	Aspect Ratio Bootstrap Current	AMPS/CM2	X
CURBSNE	Ne contrib Sauter Bootstrap Cur	AMPS/CM2	X
CURBSNI	Ni contrib Sauter Bootstrap Cur	AMPS/CM2	X
CURBSSAU	Sauter Bootstrap Current	AMPS/CM2	X
CURBSTE	Te contrib Sauter Bootstrap Cur	AMPS/CM2	X
CURBSTI	Ti contrib Sauter Bootstrap Cur	AMPS/CM2	X
CURBSWNC	NCLASS Bootstrap Current	AMPS/CM2	X
CURGP	GRAD(P) TOROIDAL CUR	AMPS/CM2	X
CUROH	OHMIC PLASMA CURRENT	AMPS/CM2	X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
CXDIST	DIST FROM CX START	CM	CXDIST
CXFE1D	CX DET1 D FLUX/SQRT(E)	1/S/EV^1.5/CM^2	ECX2
CXFE2D	CX DET2 D FLUX/SQRT(E)	1/S/EV^1.5/CM^2	ECX2
CXFE3D	CX DET3 D FLUX/SQRT(E)	1/S/EV^1.5/CM^2	ECX2
CXFE4D	CX DET4 D FLUX/SQRT(E)	1/S/EV^1.5/CM^2	ECX2
CXFE5D	CX DET5 D FLUX/SQRT(E)	1/S/EV^1.5/CM^2	ECX2
CXFE6D	CX DET6 D FLUX/SQRT(E)	1/S/EV^1.5/CM^2	ECX2
CXFE7D	CX DET7 D FLUX/SQRT(E)	1/S/EV^1.5/CM^2	ECX2
CXFE8D	CX DET8 D FLUX/SQRT(E)	1/S/EV^1.5/CM^2	ECX2
CXFE9D	CX DET9 D FLUX/SQRT(E)	1/S/EV^1.5/CM^2	ECX2
DAREA	ZONE CROSS SECTIONAL AREA	CM**2	X
DCXATT1	CX DET1 D 60keV NEUT ATTEN		CXDIST
DCXATT2	CX DET2 D 60keV NEUT ATTEN		CXDIST
DCXATT3	CX DET3 D 60keV NEUT ATTEN		CXDIST
DCXATT4	CX DET4 D 60keV NEUT ATTEN		CXDIST
DCXATT5	CX DET5 D 60keV NEUT ATTEN		CXDIST
DCXATT6	CX DET6 D 60keV NEUT ATTEN		CXDIST
DCXATT7	CX DET7 D 60keV NEUT ATTEN		CXDIST
DCXATT8	CX DET8 D 60keV NEUT ATTEN		CXDIST
DCXATT9	CX DET9 D 60keV NEUT ATTEN		CXDIST
DCXBN01	CX DET1 D 60keV Beam N0	1/CM^3	CXDIST
DCXBN02	CX DET2 D 60keV Beam N0	1/CM^3	CXDIST
DCXBN03	CX DET3 D 60keV Beam N0	1/CM^3	CXDIST
DCXBN04	CX DET4 D 60keV Beam N0	1/CM^3	CXDIST
DCXBN05	CX DET5 D 60keV Beam N0	1/CM^3	CXDIST
DCXBN06	CX DET6 D 60keV Beam N0	1/CM^3	CXDIST

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
DCXBN07	CX DET7 D 60keV Beam N0	1/CM^3	CXDIST
DCXBN08	CX DET8 D 60keV Beam N0	1/CM^3	CXDIST
DCXBN09	CX DET9 D 60keV Beam N0	1/CM^3	CXDIST
DCXCN01	CX DET1 D 60keV Cold N0	1/CM^3	CXDIST
DCXCN02	CX DET2 D 60keV Cold N0	1/CM^3	CXDIST
DCXCN03	CX DET3 D 60keV Cold N0	1/CM^3	CXDIST
DCXCN04	CX DET4 D 60keV Cold N0	1/CM^3	CXDIST
DCXCN05	CX DET5 D 60keV Cold N0	1/CM^3	CXDIST
DCXCN06	CX DET6 D 60keV Cold N0	1/CM^3	CXDIST
DCXCN07	CX DET7 D 60keV Cold N0	1/CM^3	CXDIST
DCXCN08	CX DET8 D 60keV Cold N0	1/CM^3	CXDIST
DCXCN09	CX DET9 D 60keV Cold N0	1/CM^3	CXDIST
DCXDF1	CX DET1 D 60keV FS ION DIS	1/EV/CM^3	CXDIST
DCXDF2	CX DET2 D 60keV FS ION DIS	1/EV/CM^3	CXDIST
DCXDF3	CX DET3 D 60keV FS ION DIS	1/EV/CM^3	CXDIST
DCXDF4	CX DET4 D 60keV FS ION DIS	1/EV/CM^3	CXDIST
DCXDF5	CX DET5 D 60keV FS ION DIS	1/EV/CM^3	CXDIST
DCXDF6	CX DET6 D 60keV FS ION DIS	1/EV/CM^3	CXDIST
DCXDF7	CX DET7 D 60keV FS ION DIS	1/EV/CM^3	CXDIST
DCXDF8	CX DET8 D 60keV FS ION DIS	1/EV/CM^3	CXDIST
DCXDF9	CX DET9 D 60keV FS ION DIS	1/EV/CM^3	CXDIST
DCXDFL1	CX DET1 D 60keV EMISSIVITY	1/S/EV/CM^3	CXDIST
DCXDFL2	CX DET2 D 60keV EMISSIVITY	1/S/EV/CM^3	CXDIST
DCXDFL3	CX DET3 D 60keV EMISSIVITY	1/S/EV/CM^3	CXDIST
DCXDFL4	CX DET4 D 60keV EMISSIVITY	1/S/EV/CM^3	CXDIST
DCXDFL5	CX DET5 D 60keV EMISSIVITY	1/S/EV/CM^3	CXDIST

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
DCXDFL6	CX DET6 D 60keV EMISSIVITY	1/S/EV/CM^3	CXDIST
DCXDFL7	CX DET7 D 60keV EMISSIVITY	1/S/EV/CM^3	CXDIST
DCXDFL8	CX DET8 D 60keV EMISSIVITY	1/S/EV/CM^3	CXDIST
DCXDFL9	CX DET9 D 60keV EMISSIVITY	1/S/EV/CM^3	CXDIST
DCXDT1	CX DET1 D 60keV TH ION DIS	1/EV/CM^3	CXDIST
DCXDT2	CX DET2 D 60keV TH ION DIS	1/EV/CM^3	CXDIST
DCXDT3	CX DET3 D 60keV TH ION DIS	1/EV/CM^3	CXDIST
DCXDT4	CX DET4 D 60keV TH ION DIS	1/EV/CM^3	CXDIST
DCXDT5	CX DET5 D 60keV TH ION DIS	1/EV/CM^3	CXDIST
DCXDT6	CX DET6 D 60keV TH ION DIS	1/EV/CM^3	CXDIST
DCXDT7	CX DET7 D 60keV TH ION DIS	1/EV/CM^3	CXDIST
DCXDT8	CX DET8 D 60keV TH ION DIS	1/EV/CM^3	CXDIST
DCXDT9	CX DET9 D 60keV TH ION DIS	1/EV/CM^3	CXDIST
DCXEBM1	CX DET1 D 60keV BeamFram E	EV	CXDIST
DCXEBM2	CX DET2 D 60keV BeamFram E	EV	CXDIST
DCXEBM3	CX DET3 D 60keV BeamFram E	EV	CXDIST
DCXEBM4	CX DET4 D 60keV BeamFram E	EV	CXDIST
DCXEBM5	CX DET5 D 60keV BeamFram E	EV	CXDIST
DCXEBM6	CX DET6 D 60keV BeamFram E	EV	CXDIST
DCXEBM7	CX DET7 D 60keV BeamFram E	EV	CXDIST
DCXEBM8	CX DET8 D 60keV BeamFram E	EV	CXDIST
DCXEBM9	CX DET9 D 60keV BeamFram E	EV	CXDIST
DCXEFA1	CX DET1 D 60keV FastFram E	EV	CXDIST
DCXEFA2	CX DET2 D 60keV FastFram E	EV	CXDIST
DCXEFA3	CX DET3 D 60keV FastFram E	EV	CXDIST
DCXEFA4	CX DET4 D 60keV FastFram E	EV	CXDIST

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
DCXEFA5	CX DET5 D 60keV FastFram E	EV	CXDIST
DCXEFA6	CX DET6 D 60keV FastFram E	EV	CXDIST
DCXEFA7	CX DET7 D 60keV FastFram E	EV	CXDIST
DCXEFA8	CX DET8 D 60keV FastFram E	EV	CXDIST
DCXEFA9	CX DET9 D 60keV FastFram E	EV	CXDIST
DCXEPL1	CX DET1 D 60keV RotFrame E	EV	CXDIST
DCXEPL2	CX DET2 D 60keV RotFrame E	EV	CXDIST
DCXEPL3	CX DET3 D 60keV RotFrame E	EV	CXDIST
DCXEPL4	CX DET4 D 60keV RotFrame E	EV	CXDIST
DCXEPL5	CX DET5 D 60keV RotFrame E	EV	CXDIST
DCXEPL6	CX DET6 D 60keV RotFrame E	EV	CXDIST
DCXEPL7	CX DET7 D 60keV RotFrame E	EV	CXDIST
DCXEPL8	CX DET8 D 60keV RotFrame E	EV	CXDIST
DCXEPL9	CX DET9 D 60keV RotFrame E	EV	CXDIST
DCXETH1	CX DET1 D 60keV ThrmFram E	EV	CXDIST
DCXETH2	CX DET2 D 60keV ThrmFram E	EV	CXDIST
DCXETH3	CX DET3 D 60keV ThrmFram E	EV	CXDIST
DCXETH4	CX DET4 D 60keV ThrmFram E	EV	CXDIST
DCXETH5	CX DET5 D 60keV ThrmFram E	EV	CXDIST
DCXETH6	CX DET6 D 60keV ThrmFram E	EV	CXDIST
DCXETH7	CX DET7 D 60keV ThrmFram E	EV	CXDIST
DCXETH8	CX DET8 D 60keV ThrmFram E	EV	CXDIST
DCXETH9	CX DET9 D 60keV ThrmFram E	EV	CXDIST
DCXFN01	CX DET1 D 60keV Fast N0	1/CM^3	CXDIST
DCXFN02	CX DET2 D 60keV Fast N0	1/CM^3	CXDIST
DCXFN03	CX DET3 D 60keV Fast N0	1/CM^3	CXDIST

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
DCXFN04	CX DET4 D 60keV Fast N0	1/CM^3	CXDIST
DCXFN05	CX DET5 D 60keV Fast N0	1/CM^3	CXDIST
DCXFN06	CX DET6 D 60keV Fast N0	1/CM^3	CXDIST
DCXFN07	CX DET7 D 60keV Fast N0	1/CM^3	CXDIST
DCXFN08	CX DET8 D 60keV Fast N0	1/CM^3	CXDIST
DCXFN09	CX DET9 D 60keV Fast N0	1/CM^3	CXDIST
DCXHN01	CX DET1 D 60keV Hot N0	1/CM^3	CXDIST
DCXHN02	CX DET2 D 60keV Hot N0	1/CM^3	CXDIST
DCXHN03	CX DET3 D 60keV Hot N0	1/CM^3	CXDIST
DCXHN04	CX DET4 D 60keV Hot N0	1/CM^3	CXDIST
DCXHN05	CX DET5 D 60keV Hot N0	1/CM^3	CXDIST
DCXHN06	CX DET6 D 60keV Hot N0	1/CM^3	CXDIST
DCXHN07	CX DET7 D 60keV Hot N0	1/CM^3	CXDIST
DCXHN08	CX DET8 D 60keV Hot N0	1/CM^3	CXDIST
DCXHN09	CX DET9 D 60keV Hot N0	1/CM^3	CXDIST
DCXIMF1	CX DET1 D 60keV INV MFP	1/CM	CXDIST
DCXIMF2	CX DET2 D 60keV INV MFP	1/CM	CXDIST
DCXIMF3	CX DET3 D 60keV INV MFP	1/CM	CXDIST
DCXIMF4	CX DET4 D 60keV INV MFP	1/CM	CXDIST
DCXIMF5	CX DET5 D 60keV INV MFP	1/CM	CXDIST
DCXIMF6	CX DET6 D 60keV INV MFP	1/CM	CXDIST
DCXIMF7	CX DET7 D 60keV INV MFP	1/CM	CXDIST
DCXIMF8	CX DET8 D 60keV INV MFP	1/CM	CXDIST
DCXIMF9	CX DET9 D 60keV INV MFP	1/CM	CXDIST
DCXPA1	CX DET1 D 60keV Vpll/V		CXDIST
DCXPA2	CX DET2 D 60keV Vpll/V		CXDIST

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
DCXPA3	CX DET3 D 60keV Vpll/V		CXDIST
DCXPA4	CX DET4 D 60keV Vpll/V		CXDIST
DCXPA5	CX DET5 D 60keV Vpll/V		CXDIST
DCXPA6	CX DET6 D 60keV Vpll/V		CXDIST
DCXPA7	CX DET7 D 60keV Vpll/V		CXDIST
DCXPA8	CX DET8 D 60keV Vpll/V		CXDIST
DCXPA9	CX DET9 D 60keV Vpll/V		CXDIST
DCXRF1	CX DET1 D 60keV FS CX RATE	1/S	CXDIST
DCXRF2	CX DET2 D 60keV FS CX RATE	1/S	CXDIST
DCXRF3	CX DET3 D 60keV FS CX RATE	1/S	CXDIST
DCXRF4	CX DET4 D 60keV FS CX RATE	1/S	CXDIST
DCXRF5	CX DET5 D 60keV FS CX RATE	1/S	CXDIST
DCXRF6	CX DET6 D 60keV FS CX RATE	1/S	CXDIST
DCXRF7	CX DET7 D 60keV FS CX RATE	1/S	CXDIST
DCXRF8	CX DET8 D 60keV FS CX RATE	1/S	CXDIST
DCXRF9	CX DET9 D 60keV FS CX RATE	1/S	CXDIST
DCXRMJ1	CX DET1 D 60keV RMAJOR	CM	CXDIST
DCXRMJ2	CX DET2 D 60keV RMAJOR	CM	CXDIST
DCXRMJ3	CX DET3 D 60keV RMAJOR	CM	CXDIST
DCXRMJ4	CX DET4 D 60keV RMAJOR	CM	CXDIST
DCXRMJ5	CX DET5 D 60keV RMAJOR	CM	CXDIST
DCXRMJ6	CX DET6 D 60keV RMAJOR	CM	CXDIST
DCXRMJ7	CX DET7 D 60keV RMAJOR	CM	CXDIST
DCXRMJ8	CX DET8 D 60keV RMAJOR	CM	CXDIST
DCXRMJ9	CX DET9 D 60keV RMAJOR	CM	CXDIST
DCXRT1	CX DET1 D 60keV TH CX RATE	1/S	CXDIST

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
DCXRT2	CX DET2 D 60keV TH CX RATE	1/S	CXDIST
DCXRT3	CX DET3 D 60keV TH CX RATE	1/S	CXDIST
DCXRT4	CX DET4 D 60keV TH CX RATE	1/S	CXDIST
DCXRT5	CX DET5 D 60keV TH CX RATE	1/S	CXDIST
DCXRT6	CX DET6 D 60keV TH CX RATE	1/S	CXDIST
DCXRT7	CX DET7 D 60keV TH CX RATE	1/S	CXDIST
DCXRT8	CX DET8 D 60keV TH CX RATE	1/S	CXDIST
DCXRT9	CX DET9 D 60keV TH CX RATE	1/S	CXDIST
DCXVN01	CX DET1 D 60keV Volume N0	1/CM^3	CXDIST
DCXVN02	CX DET2 D 60keV Volume N0	1/CM^3	CXDIST
DCXVN03	CX DET3 D 60keV Volume N0	1/CM^3	CXDIST
DCXVN04	CX DET4 D 60keV Volume N0	1/CM^3	CXDIST
DCXVN05	CX DET5 D 60keV Volume N0	1/CM^3	CXDIST
DCXVN06	CX DET6 D 60keV Volume N0	1/CM^3	CXDIST
DCXVN07	CX DET7 D 60keV Volume N0	1/CM^3	CXDIST
DCXVN08	CX DET8 D 60keV Volume N0	1/CM^3	CXDIST
DCXVN09	CX DET9 D 60keV Volume N0	1/CM^3	CXDIST
DCXXI1	CX DET1 D 60keV FLUX COOR		CXDIST
DCXXI2	CX DET2 D 60keV FLUX COOR		CXDIST
DCXXI3	CX DET3 D 60keV FLUX COOR		CXDIST
DCXXI4	CX DET4 D 60keV FLUX COOR		CXDIST
DCXXI5	CX DET5 D 60keV FLUX COOR		CXDIST
DCXXI6	CX DET6 D 60keV FLUX COOR		CXDIST
DCXXI7	CX DET7 D 60keV FLUX COOR		CXDIST
DCXXI8	CX DET8 D 60keV FLUX COOR		CXDIST
DCXXI9	CX DET9 D 60keV FLUX COOR		CXDIST

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
DEINT	INTOR ELECTRON DIFFUSIVITY	CM**2/SEC	XB
DFIMP	DIV(IMPURITY FLUX)	N/CM3/SEC	X
DIFB	ANOMOLOUS FAST ION DIFFUSIVITY	CM**2/SEC	XB
DIFFD	EFF. D+ ION DIFFUSIVITY	CM**2/SEC	XB
DIFFE	ELEC PTCL DIFFUSIVITY	CM**2/SEC	XB
DIFFH	EFF. H+ ION DIFFUSIVITY	CM**2/SEC	XB
DIFFI	ION DIFFUSIVITY FROM TOTAL FLUX	CM**2/SEC	XB
DIFFIGLF	GLF23 ION DIFFUSIVITY	CM**2/SEC	XB
DIFFX	EFF. IMP ION DIFFUSIVITY	CM**2/SEC	XB
DIFWE	ELEC PTCL DIFFUSIVITY (WARE)	CM**2/SEC	XB
DIVFD	DIV(ION FLUX D+)	N/CM3/SEC	X
DIVFE	DIV(ELECTRON FLUX)	N/CM3/SEC	X
DIVFI	DIV(TOTAL ION FLUX)	N/CM3/SEC	X
DIVHT	DIV(ION FLUX H+)	N/CM3/SEC	X
DN0VD	VOL NEUTRAL DENSITY G=D	N/CM**3	X
DN0VH	VOL NEUTRAL DENSITY G=H	N/CM**3	X
DN0WD	WALL NEUTRAL DENS G=D	N/CM**3	X
DN0WH	WALL NEUTRAL DENS G=H	N/CM**3	X
DNBDT_D	D/DT(D BEAM ION DENS)	N/CM3/SEC	X
DNDDT	D/DT(ION DENS D+)	N/CM3/SEC	X
DNEDT	D/DT(ELECTRON DENSITY)	N/CM3/SEC	X
DNHDT	D/DT(ION DENS H+)	N/CM3/SEC	X
DNIDT	D/DT(TOTAL ION DENSITY)	N/CM3/SEC	X
DNIMP	D/DT(IMPURITY DENSITY)	N/CM3/SEC	X
DRAV	FLUX SURFACE AVG <DR>	CM	X
DRAVFAC	<dr>*<1/dr>		X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
DVOL	ZONE VOLUME	CM**3	X
DZIMP	D/DT(IMPURITY SPECIE)	N/CM3/SEC	X
EBEAM_D	AVG D BEAM ION ENERGY	EV	X
ECX1	CX DETECTOR ENERGY TABLE 1	EV	ECX1
ECX2	CX DETECTOR ENERGY TABLE 2	EV	ECX2
EHEAT	TOTAL ELECTRON HEATING	WATTS/CM3	X
ELONG	Flux surface elongation		XB
EPOTNC	ER POTENTIAL: NC ANALYSIS	VOLTS	XB
EPOTRO	RADIAL POTENTIAL due to ROTATION	VOLTS	XB
ERPRESS	NC radial E field, Pressure term	V/CM	RMAJM
ERTOT	NC radial E Field	V/CM	RMAJM
ERVPOL	NC radial E field, Vpol term	V/CM	RMAJM
ERVTOR	NC radial E field, Vtor term	V/CM	RMAJM
ETAE	D(LN(TE))/D(LN(NE))		XB
ETAI	D(LN(TI))/D(LN("NI"))		XB
ETAIE	D(LN(TI))/D(LN(NE))		XB
ETA_NC	NC RESISTIVITY (old fit)	OHM*CM	X
ETA_SNC	Sauter Neoclassical Resistivity	OHM*CM	X
ETA_SP	SPITZER RESISTIVITY	OHM*CM	X
ETA_SPS	SPITZER RESISTIVITY (Sauter)	OHM*CM	X
ETA_TSC	TSC Neoclassical Resistivity	OHM*CM	X
ETA_USE	RESISTIVITY USED OR INFERRED	OHM*CM	X
ETA_WNC	NCLASS Resistivity	OHM*CM	X
ETPARGLF	GLF23 MOM (PAR) DIFFUSIVITY	CM**2/SEC	XB
ETPERGLF	GLF23 MOM (PERP) DIFFUSIVITY	CM**2/SEC	XB
ETPHIGLF	GLF23 MOM (TOR) DIFFUSIVITY	CM**2/SEC	XB

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
EXBGLF	GLF23 EXB SHEAR RATE	/SEC	XB
FBPBT	|BP|/|BT| COMPUTED		RMAJM
FBTH1	FI DIST 0.< R/A <.2	N/CM**3	THETA
FBTH2	FI DIST .2< R/A <.4	N/CM**3	THETA
FBTH3	FI DIST .4< R/A <.6	N/CM**3	THETA
FBTH4	FI DIST .6< R/A <.8	N/CM**3	THETA
FBTH5	FI DIST .8< R/A <1.	N/CM**3	THETA
FBTX	|BT|/|BT(EXTERNAL)|		RMAJM
FBX	|B|/|BT(EXTERNAL)|		RMAJM
FKBOL	CHI(I) NC BOLTON	CM**2/SEC	XB
FKCH2	CHI(I) NC CHANG-HINTON VSN 2	CM**2/SEC	XB
FKCHH	CHI(I) NC CHANG-HINTON ORIGINAL	CM**2/SEC	XB
FKCHZ	CHI(I) NC CHANG-HINTON Z-CORR	CM**2/SEC	XB
FKHZH	CHI(I) NC HAZELTINE-HINTON	CM**2/SEC	XB
FKJUL	CHI(I) NC RUTHERFORD-JULICH	CM**2/SEC	XB
FL0EI	DIV(NEUTRAL E-INFLUX)	WATTS/CM3	X
FL0EX	DIV(NEUTRAL E-OUTFLUX)	WATTS/CM3	X
FLX0I	DIV(NEUTRAL INFLUX)	N/CM3/SEC	X
FLX0X	DIV(NEUTRAL OUTFLUX)	N/CM3/SEC	X
FMCK_WNC	NCLASS Fm convergence check		X
FPAX_D	D BEAM SCATTERING >IMPURITIES		X
FPBX_D	D BEAM DRAG >IMPURITIES		X
FRAT1GLF	GLF23 LEADING MODE FREQUENCY	/SEC	XB
FRAT2GLF	GLF23 SCND LEADING MODE FREQ	/SEC	XB
FTOT2TT	TOTAL T(T,2N)HE4 FUSION	N/CM3/SEC	X
FTOTDDN	TOTAL D(D,N)HE3 FUSION	N/CM3/SEC	X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
FTOTDDP	TOTAL D(D,P)T FUSION	N/CM3/SEC	X
FTOTDT	TOTAL D-T FUSION	N/CM3/SEC	X
GAINE	ELECTRON GAIN	WATTS/CM3	X
GAINI	ION GAIN	WATTS/CM3	X
GAMMMM1	MMM95 GRTH RATE MODE=1	1/SEC	XB
GAMMMM2	MMM95 GRTH RATE MODE=2	1/SEC	XB
GAMNC	NC gamma, <n.grad(theta)>	CM**-1	X
GB1	<B> flux surface average	Tesla	X
GB2	<B**2> flux surface average	Tesla**2	X
GB2I	<B**-2> flux surface average	Tesla**-2	X
GBR2	<B*R**2> flux surface average	Tesla*cm2	X
GDATA	G profile (Ufile data)		XB
GFLNC_D	div(NC ptcl flux) thermal D+	N/CM3/SEC	X
GFLNC_E	div(NC ptcl flux) electrons	N/CM3/SEC	X
GFLNC_H	div(NC ptcl flux) thermal H+	N/CM3/SEC	X
GFLNC_I	div(NC ptcl flux) thermal ions	N/CM3/SEC	X
GFLNC_X	div(NC ptcl flux) impurity	N/CM3/SEC	X
GFUN	G: PARA/DIAMAGNETISM		XB
GFUNC	G: GRAD-SHAF EQUILIBRIUM CHECK		XB
GMAG	GMAG (RT) PRESSURE PROFILE	JLES/CM3	X
GR2	<R**2> FLUX SURFACE VOL.AVG	CM**2	X
GR2I	<1/R**2> FLUX SURFACE VOL.AVG	CM**-2	X
GR2X2	<R**2*GRAD(XI)**2> FLX.SURF.AVG		X
GRAT1GLF	GLF23 GROWTH RT OF LEADING MODE	/SEC	XB
GRAT2GLF	GLF23 GRTH RT SCND LEADING MODE	/SEC	XB
GRB_IN	GRB data as input	Tesla*cm	RMJSYM

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
GRB_USE	GRB data as used	Tesla*cm	RMJSYM
GRI	<1/R> FLUX SURFACE VOL.AVG	CM**-1	X
GX2B2I	<grad(XI)**2/B**2>	1/T^2*CM^2	X
GX2R2I	<GRAD(XI)**2/R**2> FLX.SURF.AVG	CM**-4	X
GXI	<GRAD(XI)> FLUX SURF VOL.AVG	CM**-1	X
GXI2	<GRAD(XI)**2> FLUX SURF VOL.AVG	CM**-2	X
HLFLX	M,N=1 HELICAL FLUX	Wb/rad	XB
HLFMP	HELICAL FLUX	Wb/rad	RMAJM
IBRORB_D	D BEAM ION RADIAL CUR (ORBIT)	AMPS	XB
IHEAT	TOTAL ION HEATING	WATTS/CM3	X
ILIM	LIMITER CONTOUR INDEX		ILIM
JBFAC	Species avg Jb shielding		X
JBFACZ1	Z=1 Jb shielding		X
JGPHR2I	<J.grad(phi)>/<1/R**2>	AMPS/CM	X
KETOT	CHI(E) "COUNTING" CONVECTION	CM**2/SEC	XB
LPOL	POLOIDAL PATH LENGTH	CM	XB
M0NET	NET CX MOMENTUM LOSS	Nt-M/CM3	X
MCDENS_D	D BEAM ION DENSITY (MC LIST)	N/CM**3	X
MCDEPS_D	NEW D BEAM IONS (MC DEP)	N/CM**3	X
MCINDX	2d MC grid (x,th)		MCINDX
MCONV	CONVECTIVE TRANSPORT	Nt-M/CM3	X
MODOT	MOMENTUM GAIN	Nt-M/CM3	X
MOIG_D	D Therm Ang Inertia Dens	NtMS2/CM3	X
MOIG_H	H Therm Ang Inertia Dens	NtMS2/CM3	X
MOIG_X	Impurity Therm Ang Inertia Dens	NtMS2/CM3	X
MOIS_TOK	TOK Therm Ang Inertia Dens	NtMS2/CM3	X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
MVISC	VISCOUS TRANSPORT	Nt-M/CM3	X
N0BCXD0	CX FAST NEUTRAL DENSITY (D0)	N/CM**3	X
N0BD0	1.GEN FAST NEUTRAL DENSITY (D0)	N/CM**3	X
NB_F1_D	density: full energy D beam	N/CM**3	X
NB_F2_D	density: half energy D beam	N/CM**3	X
NB_F3_D	density: 1/3 energy D beam	N/CM**3	X
NCFT	NC trapping fraction (net)		X
NCFTMINUS	NC trapping fraction lower limit		X
NCFTPLUS	NC trapping fraction upper limit		X
ND	DEUTERIUM ION DENSITY	N/CM**3	X
ND_NC	NCLASS D+ ION DENSITY	N/CM**3	X
NE	ELECTRON DENSITY	N/CM**3	X
NER_IN	NER data as input	n/cm**3	RMJSYM
NER_USE	NER data as used	n/cm**3	RMJSYM
NETW	NE(R) ASSYMMETRY	N/CM**3	X
NH	HYDROGEN ION DENSITY	N/CM**3	X
NH_NC	NCLASS H+ ION DENSITY	N/CM**3	X
NI	TOTAL ION DENSITY	N/CM**3	X
NIMP	TOTAL IMPURITY DENSITY	N/CM**3	X
NIMPDATA	IMPURITY DENSITY INPUT DATA	N/CM**3	X
NIMPS_TOK	TOK Total Impurity Density	N/CM**3	X
NIMP_NC	NCLASS impurity density	N/CM**3	X
NIMP_SINGL	SINGL Impurity Density	N/CM**3	X
NIM_IN	NIM data as input	n/cm**3	RMJSYM
NIM_USE	NIM data as used	n/cm**3	RMJSYM
NMC_D	Beam D No. of MC Ions	N	X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
NUSTE	ELECTRON COLLISIONALITY		X
NUSTI	ION COLLISIONALITY		X
OM0VD	VOL NEUTRAL ANG.VEL G=D	RAD/SEC	X
OM0VH	VOL NEUTRAL ANG.VEL G=H	RAD/SEC	X
OM0WD	WALL NEUTRAL ANG.VEL G=D	RAD/SEC	X
OM0WH	WALL NEUTRAL ANG.VEL G=H	RAD/SEC	X
OMEGA	TOROIDAL ANGULAR VELOCITY	RAD/SEC	X
OMEGA_NC	N.C. TOROIDAL ANGULAR VELOCITY	RAD/SEC	X
OMEGB	BEAM ION AVG ANG.VELOCITY	RAD/SEC	X
OMEGB_D	D BEAM ION AVG ANG.VELOCITY	RAD/SEC	X
OMEGDATA	Toroidal Ang.Velocity Data	RAD/SEC	X
OMEMMM1	MMM95 FREQUENCY MODE=1	RAD/SEC	XB
OMEMMM2	MMM95 FREQUENCY MODE=2	RAD/SEC	XB
P0NET	NET CHARGE EXCHANGE LOSS	WATTS/CM3	X
PBCX	THERMAL ION LOSS, FAST ION CX	WATTS/CM3	X
PBCX_D	THERMAL ION LOSS, CX W/ D BEAM	WATTS/CM3	X
PBE	BEAM HEATING OF ELECTRONS	WATTS/CM3	X
PBEPHI	Electrostatic field -> fast ions	WATTS/CM3	X
PBE_D	D BEAM->ELECTRON HEATING	WATTS/CM3	X
PBE_F1_D	Pbe: full energy D beam	WATTS/CM3	X
PBE_F2_D	Pbe: half energy D beam	WATTS/CM3	X
PBE_F3_D	Pbe: 1/3 energy D beam	WATTS/CM3	X
PBI	BEAM HEATING OF IONS	WATTS/CM3	X
PBI_D	D B->TH ION HEATING	WATTS/CM3	X
PBI_F1_D	Pbi: full energy D beam	WATTS/CM3	X
PBI_F2_D	Pbi: half energy D beam	WATTS/CM3	X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
PBI_F3_D	Pbi: 1/3 energy D beam	WATTS/CM3	X
PBTH	FAST ION THERMALIZATION POWER	WATTS/CM3	X
PBTHA	BEAM WORK -> ROTATION (TH-ASSYM)	WATTS/CM3	X
PBTH_D	D BEAM THERMALIZATION POWER	WATTS/CM3	X
PCHK	P: Surf. Avg. Grad-Shaf Check	PASCALS	X
PCMPE	ELECTRON COMPRESSION	WATTS/CM3	X
PCMPI	ION COMPRESSION	WATTS/CM3	X
PCNDE	ELECTRON CONDUCTION LOSS	WATTS/CM3	X
PCNVE	ELECTRON CONVECTION LOSS	WATTS/CM3	X
PCOND	ION CONDUCTION LOSS	WATTS/CM3	X
PCONV	ION CONVECTION LOSS	WATTS/CM3	X
PCPRB	POWER: COMPRESSION OF FAST IONS	WATTS/CM3	X
PCX	CHARGE EXCHANGE LOSS	WATTS/CM3	X
PCX_HALO	beam halo driven cx power	WATTS/CM3	X
PDATA	P profile (Ufile data)	PASCALS	X
PHBAL	ANGULAR MOMENTUM BALANCE	Nt-M/CM3	X
PION	NEUTRAL IONIZATION WORK	WATTS/CM3	X
PLCURPLL	POLOIDAL CUR (J PLL)	AMPS	XB
PLCURPRP	POLOIDAL CUR (J PERP)	AMPS	XB
PLCURTOT	TOTAL POLOIDAL CUR TO WALL	AMPS	XB
PLEB	<E.B> FLUX SURFACE VOL.AVG	VOLT*TESLA/CM	X
PLFLX	POLOIDAL FLUX	Wb/rad	XB
PLFLX2PI	TOTAL POLOIDAL FLUX	WEBERS	XB
PLFMP	POLOIDAL FLUX	Wb/rad	RMAJM
PLJB	<J.B> FLUX SURFACE VOL.AVG	AMP*TESLA/CM2	X
PLJBBGPI	<J.B>/<B.grad(phi)>	AMPS/CM	X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
PLJBOH	<J.B> OHMIC	AMP*TESLA/CM2	X
PLJBSNC	<J.B> NCLASS Bootstrap	AMP*TESLA/CM2	X
PLJBXT	<J.B> DRIVEN (SMOOTHED, USED)	AMP*TESLA/CM2	X
PLJBXTR	<J.B> DRIVEN, FROM RESISTIVITY	AMP*TESLA/CM2	X
PLJBXTU	<J.B> DRIVEN (UNSMOOTHED)	AMP*TESLA/CM2	X
PMASS	PLASMA MASS DENSITY	GRAMS/CM3	X
PMHD_IN	PRESSURE INPUT to MHD SOLVER	PASCALS	X
PNI	NEUTRAL IONIZATION SOURCE	WATTS/CM3	X
POH	OHMIC HEATING POWER	WATTS/CM3	X
POHB	POWER: OH CIRCUIT TO FAST IONS	WATTS/CM3	X
PPHI	ANGULAR MOMENTUM DENSITY	NtM-S/CM3	X
PPHIGN_D	D NCLASS Ang Mom Dens	NtM-S/CM3	X
PPHIGN_H	H NCLASS Ang Mom Dens	NtM-S/CM3	X
PPHIGN_X	Impurity NCLASS Ang Mom Dens	NtM-S/CM3	X
PPHIN	NCLASS Ang Mom Dens	NtM-S/CM3	X
PPLAS	PLASMA PRESSURE	PASCALS	X
PRAD	NET RADIATED POWER USED	WATTS/CM3	X
PRAD0	RADIATION: BOLO DATA	WATTS/CM3	X
PRADC	NET RADIATED POWER (THEORY)	WATTS/CM3	X
PRADS_TOK	TOK Impurity Radiation	WATTS/CM3	X
PRAD_ADJ	RADIATION: BOLO DATA ADJUSTED	WATTS/CM3	X
PRAD_BR	BREMSSTRAHLUNG RADIATION	WATTS/CM3	X
PRAD_CY	CYCLOTRON RADIATION	WATTS/CM3	X
PRAD_LI	LINE RADIATION	WATTS/CM3	X
PRS_IN	PRS data as input	Pascals	RMJSYM
PRS_USE	PRS data as used	Pascals	RMJSYM

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
PSC_HALO	beam halo source/sink power	WATTS/CM3	X
PSFM1	NC Pfirsch-Schluter 1 moment	CM**-2	X
PSFM10	NC Pfirsch-Schluter 10 moment	CM**-2	X
PSFM11	NC Pfirsch-Schluter 11 moment	CM**-2	X
PSFM12	NC Pfirsch-Schluter 12 moment	CM**-2	X
PSFM13	NC Pfirsch-Schluter 13 moment	CM**-2	X
PSFM14	NC Pfirsch-Schluter 14 moment	CM**-2	X
PSFM15	NC Pfirsch-Schluter 15 moment	CM**-2	X
PSFM16	NC Pfirsch-Schluter 16 moment	CM**-2	X
PSFM2	NC Pfirsch-Schluter 2 moment	CM**-2	X
PSFM3	NC Pfirsch-Schluter 3 moment	CM**-2	X
PSFM4	NC Pfirsch-Schluter 4 moment	CM**-2	X
PSFM5	NC Pfirsch-Schluter 5 moment	CM**-2	X
PSFM6	NC Pfirsch-Schluter 6 moment	CM**-2	X
PSFM7	NC Pfirsch-Schluter 7 moment	CM**-2	X
PSFM8	NC Pfirsch-Schluter 8 moment	CM**-2	X
PSFM9	NC Pfirsch-Schluter 9 moment	CM**-2	X
PTOWB	KINETIC MHD PRESSURE W/FAST IONS	PASCALS	X
Q	Q PROFILE		XB
QCHK	MHD EQUILIBRIUM Q CHECK		XB
QDATA	Q profile (Ufile data)		XB
QFLNCC_D	div(NC class heat flux) D+	WATTS/CM3	X
QFLNCC_E	div(NC class heat flux) electr	WATTS/CM3	X
QFLNCC_H	div(NC class heat flux) H+	WATTS/CM3	X
QFLNCC_I	div(NC class heat flux) thermals	WATTS/CM3	X
QFLNCC_X	div(NC class heat flux) impurity	WATTS/CM3	X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
QFLNC_D	div(NC heat flux) thermal D+	WATTS/CM3	X
QFLNC_E	div(NC heat flux) electrons	WATTS/CM3	X
QFLNC_H	div(NC heat flux) thermal H+	WATTS/CM3	X
QFLNC_I	div(NC heat flux) thermal ions	WATTS/CM3	X
QFLNC_X	div(NC heat flux) impurity	WATTS/CM3	X
QIE	ION-ELECTRON COUPLING	WATTS/CM3	X
QIESLVTX	ION-ELECTRON COUPLING(SLVTX)	WATTS/CM3	X
QMP	ROTATIONAL TRANSFORM		RMAJM
QPR_IN	QPR data as input		RMJSYM
QPR_USE	QPR data as used		RMJSYM
QROT	E(ROT)=> ION HEAT: CONV+FRICTION	WATTS/CM3	X
QROTC	E(ROT)=>ION HEATING: CONVECTIVE	WATTS/CM3	X
QROTF	E(ROT)=>ION HEATING: FRICTION	WATTS/CM3	X
R0NET	CX ROTATIONAL ENERGY LOSS	WATTS/CM3	X
RBOUN	RADIUS	CM	XB
RCMPR	ROTATION COMPRESSION	WATTS/CM3	X
RCONV	CONVECTIVE ROT.ENERGY LOSS	WATTS/CM3	X
RLIM	LIMITER R PTS	CM	ILIM
RLTCRGKF	R/LTi: critical ITG main br.		XB
RLTCRGKZ	R/LTi: critical ITG Carbon br.		XB
RLTI	R/LTi: actual ITG:R*Grad(Ti)/Ti		XB
RMAJM	MIDPLANE RADII	CM	RMAJM
RMC00	0TH ASYM R MOMENT	CM	XB
RMC01	1st ASYM R COS MOMENT	CM	XB
RMC02	2nd ASYM R COS MOMENT	CM	XB
RMC03	3rd ASYM R COS MOMENT	CM	XB

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
RMC04	4th ASYM R COS MOMENT	CM	XB
RMC05	5th ASYM R COS MOMENT	CM	XB
RMC06	6th ASYM R COS MOMENT	CM	XB
RMC07	7th ASYM R COS MOMENT	CM	XB
RMC08	8th ASYM R COS MOMENT	CM	XB
RMC09	9th ASYM R COS MOMENT	CM	XB
RMC10	10th ASYM R COS MOMENT	CM	XB
RMC11	11th ASYM R COS MOMENT	CM	XB
RMC12	12th ASYM R COS MOMENT	CM	XB
RMC13	13th ASYM R COS MOMENT	CM	XB
RMC14	14th ASYM R COS MOMENT	CM	XB
RMC15	15th ASYM R COS MOMENT	CM	XB
RMC16	16th ASYM R COS MOMENT	CM	XB
RMJMP	FLUX SURFACE CTRS	CM	XB
RMJSYM	MAJOR RADII (DATA MAPPING)	CM	RMJSYM
RMNMP	MIDPLANE RADII	CM	XB
RMS01	1st ASYM R SIN MOMENT	CM	XB
RMS02	2nd ASYM R SIN MOMENT	CM	XB
RMS03	3rd ASYM R SIN MOMENT	CM	XB
RMS04	4th ASYM R SIN MOMENT	CM	XB
RMS05	5th ASYM R SIN MOMENT	CM	XB
RMS06	6th ASYM R SIN MOMENT	CM	XB
RMS07	7th ASYM R SIN MOMENT	CM	XB
RMS08	8th ASYM R SIN MOMENT	CM	XB
RMS09	9th ASYM R SIN MOMENT	CM	XB
RMS10	10th ASYM R SIN MOMENT	CM	XB

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
RMS11	11th ASYM R SIN MOMENT	CM	XB
RMS12	12th ASYM R SIN MOMENT	CM	XB
RMS13	13th ASYM R SIN MOMENT	CM	XB
RMS14	14th ASYM R SIN MOMENT	CM	XB
RMS15	15th ASYM R SIN MOMENT	CM	XB
RMS16	16th ASYM R SIN MOMENT	CM	XB
RODOT	ROTATIONAL ENERGY GAIN	WATTS/CM3	X
RQBCO	BEAM WORK -> ROTATION (COL.)	WATTS/CM3	X
RQBE	BEAM WORK -> ELECTRON ROTATION	WATTS/CM3	X
RQBI	BEAM WORK -> ION ROTATION	WATTS/CM3	X
RQBTH	BEAM WORK -> ROTATION (THRMALIZ)	WATTS/CM3	X
RQJXB	BEAM WORK -> ROTATION (JXB)	WATTS/CM3	X
RQOHB	WORK: OH->BEAM, ROTATION	WATTS/CM3	X
RQRPL	BEAM WORK -> ROTATION RPL (JXB)	WATTS/CM3	X
RSFRC	ROTATION SOURCE FRICTION	WATTS/CM3	X
RVISC	VISCOUS ROT.ENERGY LOSS	WATTS/CM3	X
RZON	RADIUS	CM	X
S0RCD	RECOMB NEUTRAL SCE G=D	N/CM3/SEC	X
S0RCH	RECOMB NEUTRAL SCE G=H	N/CM3/SEC	X
S0VLE	TOTAL NEUTRAL VOL SCE	WATTS/CM3	X
S0VOL	TOTAL NEUTRAL VOL E-SCE	N/CM3/SEC	X
SB0ID	D0 NEUTRAL SINK BEAM II	N/CM3/SEC	X
SB0IH	H0 NEUTRAL SINK BEAM II	N/CM3/SEC	X
SB0XD	D0 NEUTRAL SINK BEAM CX	N/CM3/SEC	X
SB0XH	H0 NEUTRAL SINK BEAM CX	N/CM3/SEC	X
SBAL_D	D PTCL BALANCE	N/CM3/SEC	X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
SBAL_H	H PTCL BALANCE	N/CM3/SEC	X
SBAL_ION	Total Ion Particle Balance	N/CM3/SEC	X
SBCX0	FAST ION CX: NEUTRALS BORN	N/CM3/SEC	X
SBCX0_D	D BEAM CX: NEUTRALS BORN	N/CM3/SEC	X
SBCXD	D0 NEUTRAL SOURCE BEAM CX	N/CM3/SEC	X
SBCXH	H0 NEUTRAL SOURCE BEAM CX	N/CM3/SEC	X
SBE	ELECTRON SCE FAST ION DEPOSITION	N/CM3/SEC	X
SBE_D	ELECTRON SCE D BEAM DEPOSITION	N/CM3/SEC	X
SBHD	D+ ION SCE DUE TO BEAM	N/CM3/SEC	X
SBHH	H+ ION SCE DUE TO BEAM	N/CM3/SEC	X
SBTH	FAST ION THERMALIZATION SOURCE	N/CM3/SEC	X
SBTH_D	D BEAM THERMALIZATION SOURCE	N/CM3/SEC	X
SBTOT	TOTAL ION SCE(VOL. NEUTRALS)	N/CM3/SEC	X
SBXRB	FAST ION CX: BEAM-BEAM RECAPTURE	N/CM3/SEC	X
SBXRB_D	D BEAM CX: RECAPTURE: BEAM-BEAM	N/CM3/SEC	X
SBXRD	BEAM CX: RECAPTURE BY CX W/D+	N/CM3/SEC	X
SBXRD_D	D BEAM CX: RECAPTURE BY CX W/D+	N/CM3/SEC	X
SBXRH	BEAM CX: RECAPTURE BY CX W/H+	N/CM3/SEC	X
SBXRH_D	D BEAM CX: RECAPTURE BY CX W/H+	N/CM3/SEC	X
SBXR_E_D	D B RECAP by ioniz: electrons	N/CM3/SEC	X
SBXR_IE	FAST ION RECAPTURE on electrons	N/CM3/SEC	X
SBXR_II	FAST ION RECAPTURE on th.ions	N/CM3/SEC	X
SBXR_IZ	FAST ION RECAPTURE on impurities	N/CM3/SEC	X
SBXR_I_D	D B RECAP by ioniz: th.ions	N/CM3/SEC	X
SBXR_Z_D	D B RECAP by ioniz: impurities	N/CM3/SEC	X
SCEE	ELECTRON SOURCE (TH.NEUTRALS)	N/CM3/SEC	X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
SCEV	ELECTRON SCE (VOL. NEUTRALS)	N/CM3/SEC	X
SCEW	ELECTRON SCE (WALL NEUTRALS)	N/CM3/SEC	X
SCEZ	ELECTRON SCE (Impurity Ioniz.)	N/CM3/SEC	X
SCIMP	IMPURITY SOURCE	N/CM3/SEC	X
SDBBI	BEAM DEPOSITION: BEAM-BEAM II	N/CM3/SEC	X
SDBBI_D	D BEAM DEPOSITION: BEAM-BEAM II	N/CM3/SEC	X
SDBBI_D1	Full E D BEAM DEP: BEAM-BEAM II	N/CM3/SEC	X
SDBBI_D2	Half E D BEAM DEP: BEAM-BEAM II	N/CM3/SEC	X
SDBBI_D3	1/3 E D BEAM DEP: BEAM-BEAM II	N/CM3/SEC	X
SDBBX	BEAM DEPOSITION: BEAM-BEAM CX	N/CM3/SEC	X
SDBBX_D	D BEAM DEPOSITION: BEAM-BEAM CX	N/CM3/SEC	X
SDBBX_D1	Full E D BEAM DEP: BEAM-BEAM CX	N/CM3/SEC	X
SDBBX_D2	Half E D BEAM DEP: BEAM-BEAM CX	N/CM3/SEC	X
SDBBX_D3	1/3 E D BEAM DEP: BEAM-BEAM CX	N/CM3/SEC	X
SDBIE_D	D BEAM DEP: IONIZ. on electrons	N/CM3/SEC	X
SDBIE_D1	Full E D BEAM DEP: II on (e-)	N/CM3/SEC	X
SDBIE_D2	Half E D BEAM DEP: II on (e-)	N/CM3/SEC	X
SDBIE_D3	1/3 E D BEAM DEP: II on (e-)	N/CM3/SEC	X
SDBII_D	D BEAM DEP: IONIZ. on therm.ions	N/CM3/SEC	X
SDBII_D1	Full E D BEAM DEP: II on th.ions	N/CM3/SEC	X
SDBII_D2	Half E D BEAM DEP: II on th.ions	N/CM3/SEC	X
SDBII_D3	1/3 E D BEAM DEP: II on th.ions	N/CM3/SEC	X
SDBIZ_D	D BEAM DEP: IONIZ. on impurities	N/CM3/SEC	X
SDBIZ_D1	Full E D BEAM DEP: IONIZ. on imp	N/CM3/SEC	X
SDBIZ_D2	Half E D BEAM DEP: IONIZ. on imp	N/CM3/SEC	X
SDBIZ_D3	1/3 E D BEAM DEP: IONIZ. on imp	N/CM3/SEC	X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
SDB_IE	BEAM DEP: ioniz. on electrons	N/CM3/SEC	X
SDB_II	BEAM DEP: ioniz. on therm. ions	N/CM3/SEC	X
SDB_IZ	BEAM DEP: ioniz. on impurities	N/CM3/SEC	X
SDCXD	BEAM DEPOSITION: CX W/D+ IONS	N/CM3/SEC	X
SDCXD_D	D BEAM DEPOSITION: CX W/D+ IONS	N/CM3/SEC	X
SDCXD_D1	Full E D BEAM DEP: CX W/D+ IONS	N/CM3/SEC	X
SDCXD_D2	Half E D BEAM DEP: CX W/D+ IONS	N/CM3/SEC	X
SDCXD_D3	1/3 E D BEAM DEP: CX W/D+ IONS	N/CM3/SEC	X
SDCXH	BEAM DEPOSITION: CX W/H+ IONS	N/CM3/SEC	X
SDCXH_D	D BEAM DEPOSITION: CX W/H+ IONS	N/CM3/SEC	X
SDCXH_D1	Full E D BEAM DEP: CX W/H+ IONS	N/CM3/SEC	X
SDCXH_D2	Half E D BEAM DEP: CX W/H+ IONS	N/CM3/SEC	X
SDCXH_D3	1/3 E D BEAM DEP: CX W/H+ IONS	N/CM3/SEC	X
SERUN	RUNAWAY ELEC SOURCE RATE	N/CM3/SEC	X
SFETO	ELECTRONS -> FAST NEUTRALS	N/CM3/SEC	X
SHIFTER	TER inferred shift	CM	XB
SQZD_NC	NC D+ orbit squeezing		X
SQZE_NC	NC electron orbit squeezing		X
SQZH_NC	NC H+ orbit squeezing		X
SQZX_NC	NC impurity orbit squeezing		X
SREXBA	ExB Shear Rate	SEC**-1	XB
SREXBGRP	ExB Shear Rate (dp/dr)	SEC**-1	XB
SREXBH	ExB Shear Rate, high field side	SEC**-1	XB
SREXBL	ExB Shear Rate, low field side	SEC**-1	XB
SREXBMMM	ExB Shear Rate (MMM95)	SEC**-1	XB
SREXBPHI	ExB Shear Rate (V_tor)	SEC**-1	XB

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
SREXBTHT	ExB Shear Rate (V_phi)	SEC**-1	XB
SREXB_NC	ExB shear rate from nclass	1/SEC	RMAJM
SSHAF	SHAFRANOV SHIFT	CM	XB
SSHAFDA	SHAFRANOV SHIFT (MHD DATA)	CM	XB
SURF	FLUX SURFACE AREA	CM**2	XB
SVD	TOT ION SCE VOL. D+	N/CM3/SEC	X
SVH	TOT ION SCE VOL. H+	N/CM3/SEC	X
SWD	TOT ION SCE WALL D+	N/CM3/SEC	X
SWH	TOT ION SCE WALL H+	N/CM3/SEC	X
SWTOT	TOTAL ION SCE(WALL NEUTRALS)	N/CM3/SEC	X
T0VD	VOL NEUTRAL TEMP G=D	EV	X
T0VH	VOL NEUTRAL TEMP G=H	EV	X
T0WD	WALL NEUTRAL TEMP G=D	EV	X
T0WH	WALL NEUTRAL TEMP G=H	EV	X
TAPWE	ELECTRON TAU(P) WARE CORRECTION	SECONDS	XB
TAUE	PLASMA ENERGY CONFINEMENT	SECONDS	XB
TAUES	PLASMA ENERGY CONFINEMENT (*)	SECONDS	XB
TAUPD	D+ ION PTCL CONFINEMENT	SECONDS	XB
TAUPE	ELECTRON PTCL CONFINEMNT	SECONDS	XB
TAUPH	H+ ION PTCL CONFINEMENT	SECONDS	XB
TAUPHI	MOMENTUM CONFINEMENT	SECONDS	XB
TAUPI	ION PTCL CONFINEMENT	SECONDS	XB
TE	ELECTRON TEMPERATURE	EV	X
TEBAL	ELECTRON POWER BALANCE	WATTS/CM3	X
TEE	ELECTRON ENERGY CONFINEMENT	SECONDS	XB
TEEST	ELECTRON ENERGY CONFINEMENT (*)	SECONDS	XB

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
TEI	ION ENERGY CONFINEMENT	SECONDS	XB
TEIST	ION ENERGY CONFINEMENT (*)	SECONDS	XB
TER_IN	TER data as input	eV	RMJSYM
TER_USE	TER data as used	eV	RMJSYM
THDIG	MMM95 ION DIFF (WEILAND)	CM**2/SEC	XB
THDKB	MMM95 ION DIFF (KB)	CM**2/SEC	XB
THDRB	MMM95 ION DIFF (RB)	CM**2/SEC	XB
THEIG	MMM95 ELEC THER DIFF (WEILAND)	CM**2/SEC	XB
THEKB	MMM95 ELEC THER DIFF (KB)	CM**2/SEC	XB
THERB	MMM95 ELEC THER DIFF (RB)	CM**2/SEC	XB
THETA	POL. ANGLE	RADIANS	THETA
THIIG	MMM95 ION THER DIFF (WEILAND)	CM**2/SEC	XB
THIKB	MMM95 ION THER DIFF (KB)	CM**2/SEC	XB
THIRB	MMM95 ION THER DIFF (RB)	CM**2/SEC	XB
THNTX	THERMONUCLEAR NEUTRONS	N/CM3/SEC	X
THNTX_DD	DD THERMONUCLEAR NEUTRONS	N/CM3/SEC	X
THZIG	MMM95 IMP DIFF (WEILAND)	CM**2/SEC	XB
THZKB	MMM95 IMP DIFF (KB)	CM**2/SEC	XB
THZRB	MMM95 IMP DIFF (RB)	CM**2/SEC	XB
TI	ION TEMPERATURE	EV	X
TI2_IN	TI2 data as input	eV	RMJSYM
TI2_USE	TI2 data as used	eV	RMJSYM
TIAV	TIavg=(nx*TX+nmj*TMJ)/(nx+nmj)	EV	X
TIBAL	ION POWER BALANCE	WATTS/CM3	X
TINC	NCLASS Ti (smoothed)	EV	X
TIPRO	MEASURED TI PROFILE	EV	X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
TMJ	H/HE MAJORITY TEMPERATURE	EV	X
TMJNC	NCLASS majority Ti (smoothed)	EV	X
TMJSM	H/HE MAJORITY TEMP(SMOOTHED)	EV	X
TPA1A_D	D FULL E TAU(SCATTERING,CO)	SECONDS	X
TPA1B_D	D FULL E TAU(SCATTERING,CTR)	SECONDS	X
TPA2A_D	D HALF E TAU(SCATTERING,CO)	SECONDS	X
TPA2B_D	D HALF E TAU(SCATTERING,CTR)	SECONDS	X
TPA3A_D	D 1/3 E TAU(SCATTERING,CO)	SECONDS	X
TPA3B_D	D 1/3 E TAU(SCATTERING,CTR)	SECONDS	X
TQ0FL	DIV(neutral ANG.MOMENTUM FLUX)	Nt-M/CM3	X
TQ0VL	NEUTRAL VOL SCE TORQUE	Nt-M/CM3	X
TQBA0	NEUTRAL TORQUE BALANCE	Nt-M/CM3	X
TQBCO	BEAM COLLISIONAL TORQUE	Nt-M/CM3	X
TQBCO_D	D BEAM COLLISIONAL TORQUE	Nt-M/CM3	X
TQBCX	BEAM CX ANTI-TORQUE	Nt-M/CM3	X
TQBE	BEAM TORQUE TO ELECTRONS	Nt-M/CM3	X
TQBI	BEAM TORQUE TO IONS	Nt-M/CM3	X
TQBTH	BEAM THERMALIZATION TORQUE	Nt-M/CM3	X
TQCX	CHARGE EXCHANGE TORQUE	Nt-M/CM3	X
TQCX_HALO	beam halo driven cx torque	Nt-M/CM3	X
TQIN	TOTAL INPUT TORQUE	Nt-M/CM3	X
TQIZ	IONIZATION TORQUE	Nt-M/CM3	X
TQJXB	BEAM JXB TORQUE	Nt-M/CM3	X
TQJXB_D	D BEAM JXB TORQUE	Nt-M/CM3	X
TQOHB	TORQUE OH CIRCUIT --> BEAM	Nt-M/CM3	X
TQRPL	BEAM RPL JXB TORQUE	Nt-M/CM3	X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
TQRPL_D	D BEAM RPL JXB TORQUE	Nt-M/CM3	X
TQSC_HALO	beam halo source/sink torque	Nt-M/CM3	X
TQXFR	FRACTION OF TQBCO -> IMPURITIES		X
TRFCK	MHD TOROIDAL FLUX CHECK	WEBERS	XB
TRFLX	TOROIDAL FLUX	WEBERS	XB
TRFMP	TOROIDAL FLUX	WEBERS	RMAJM
TRIANG	Flux surface triangularity		XB
TRIANGL	Flux surf. lower triangularity		XB
TRIANGU	Flux surf. upper triangularity		XB
TSL1A_D	D FULL E TAU(SLOWING DOWN,CO)	SECONDS	X
TSL1B_D	D FULL E TAU(SLOWING DOWN,CTR)	SECONDS	X
TSL2A_D	D HALF E TAU(SLOWING DOWN,CO)	SECONDS	X
TSL2B_D	D HALF E TAU(SLOWING DOWN,CTR)	SECONDS	X
TSL3A_D	D 1/3 E TAU(SLOWING DOWN,CO)	SECONDS	X
TSL3B_D	D 1/3 E TAU(SLOWING DOWN,CTR)	SECONDS	X
TTNTX	TOTAL NEUTRONS	N/CM3/SEC	X
TUBE0_1	Tube1 Beam1 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_10	Tube10 Beam1 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_11	Tube11 Beam1 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_12	Tube12 Beam1 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_13	Tube13 Beam2 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_14	Tube14 Beam2 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_15	Tube15 Beam2 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_16	Tube16 Beam3 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_17	Tube17 Beam3 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_18	Tube18 Beam3 Third E Neut Den	N/CM**3	TUBEDIST

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
TUBE0_19	Tube19 Beam1 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_2	Tube2 Beam1 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_20	Tube20 Beam1 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_21	Tube21 Beam1 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_22	Tube22 Beam2 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_23	Tube23 Beam2 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_24	Tube24 Beam2 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_25	Tube25 Beam3 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_26	Tube26 Beam3 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_27	Tube27 Beam3 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_28	Tube28 Beam1 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_29	Tube29 Beam1 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_3	Tube3 Beam1 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_30	Tube30 Beam1 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_31	Tube31 Beam2 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_32	Tube32 Beam2 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_33	Tube33 Beam2 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_34	Tube34 Beam3 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_35	Tube35 Beam3 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_36	Tube36 Beam3 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_37	Tube37 Beam1 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_38	Tube38 Beam1 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_39	Tube39 Beam1 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_4	Tube4 Beam2 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_40	Tube40 Beam2 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_41	Tube41 Beam2 Half E Neut Den	N/CM**3	TUBEDIST

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
TUBE0_42	Tube42 Beam2 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_43	Tube43 Beam3 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_44	Tube44 Beam3 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_45	Tube45 Beam3 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_46	Tube46 Beam1 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_47	Tube47 Beam1 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_48	Tube48 Beam1 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_49	Tube49 Beam2 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_5	Tube5 Beam2 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_50	Tube50 Beam2 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_51	Tube51 Beam2 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_52	Tube52 Beam3 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_53	Tube53 Beam3 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_54	Tube54 Beam3 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_55	Tube55 Beam1 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_56	Tube56 Beam1 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_57	Tube57 Beam1 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_58	Tube58 Beam2 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_59	Tube59 Beam2 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_6	Tube6 Beam2 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_60	Tube60 Beam2 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_61	Tube61 Beam3 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_62	Tube62 Beam3 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_63	Tube63 Beam3 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_64	Tube64 Beam1 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_65	Tube65 Beam1 Half E Neut Den	N/CM**3	TUBEDIST

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
TUBE0_66	Tube66 Beam1 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_67	Tube67 Beam2 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_68	Tube68 Beam2 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_69	Tube69 Beam2 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_7	Tube7 Beam3 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_70	Tube70 Beam3 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_71	Tube71 Beam3 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_72	Tube72 Beam3 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_73	Tube73 Beam1 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_74	Tube74 Beam1 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_75	Tube75 Beam1 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_76	Tube76 Beam2 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_77	Tube77 Beam2 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_78	Tube78 Beam2 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_79	Tube79 Beam3 Full E Neut Den	N/CM**3	TUBEDIST
TUBE0_8	Tube8 Beam3 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_80	Tube80 Beam3 Half E Neut Den	N/CM**3	TUBEDIST
TUBE0_81	Tube81 Beam3 Third E Neut Den	N/CM**3	TUBEDIST
TUBE0_9	Tube9 Beam3 Third E Neut Den	N/CM**3	TUBEDIST
TUBEDIST	Distance along tube	CM	TUBEDIST
TX	IMPURITY TEMPERATURE	EV	X
TXNC	NCLASS impurity Ti (smoothed)	EV	X
UBCMP	B(POL) COMPRESSION	WATTS/CM3	X
UBPAR	BEAM PLL ENERGY DENSITY	JLES/CM3	X
UBPAR_D	D BEAM PLL ENERGY DENSITY	JLES/CM3	X
UBPDT	D/DT(POLOIDAL FIELD ENERGY)	WATTS/CM3	X

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
UBPOL	POLOIDAL FIELD ENERGY	JLES/CM3	X
UBPRP	BEAM PERP ENERGY DENSITY	JLES/CM3	X
UBPRP_D	D BEAM PERP ENERGY DENSITY	JLES/CM3	X
UBTDT	D/DT(FIELD ENERGY)	WATTS/CM3	X
UBTOR	TOROIDAL FIELD ENERGY	JLES/CM3	X
UCURB	UNSHIELDED BEAM CURRENT	AMPS/CM2	X
UDEXB	E CROSS B POWER	WATTS/CM3	X
UE	ELECTRON ENERGY DENSITY	JLES/CM3	X
UFASTPA	FAST ION PLL ENERGY DENSITY	JLES/CM3	X
UFASTPP	FAST ION PERP ENERGY DENSITY	JLES/CM3	X
UI	ION ENERGY DENSITY	JLES/CM3	X
UJBCO	UNSHIELDED BEAM CUR (CO BEAMS)	AMPS/CM2	X
UJBCR	UNSHIELDED BEAM CUR (CTR BEAMS)	AMPS/CM2	X
UMGBA	MAGDIF ENERGY BALANCE	WATTS/CM3	X
UPBAL	ROTATIONAL ENERGY BALANCE	WATTS/CM3	X
UPHI	THERMAL PLASMA ROTATIONAL ENERGY	JLES/CM3	X
UPHIN	TOTAL ROTATIONAL ENERGY INPUT	WATTS/CM3	X
UPWIND_D	D ION UPWIND ADJUST ACTIVATION		XB
UPWIND_H	H ION UPWIND ADJUST ACTIVATION		XB
UTHRM	THERMAL ENERGY DENSITY	JLES/CM3	X
UTOTL	TOTAL ENERGY DENSITY	JLES/CM3	X
V	VOLTAGE	VOLTS	X
VBRC	VB PROFILE (CALCULATED)	VB INTENS	X
VCHEK	VOLTAGE CHECK	VOLTS	X
VCONEMMM	MMM95 MODEL ELEC. CONV. VEL.	CM/SEC	XB
VCONIMMM	MMM95 MODEL ION CONV. VEL.	CM/SEC	XB

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
VCONZMMM	MMM95 MODEL IMP. CONV. VEL.	CM/SEC	XB
VELB	ANOMOLOUS FAST ION VELOCITY	CM/SEC	XB
VELD	ION VELOCITY (NET) D+	CM/SEC	XB
VELE	ELECTRON RADIAL VELOCITY	CM/SEC	XB
VELH	ION VELOCITY (NET) H+	CM/SEC	XB
VELIM	IMPURITY RADIAL VELOCITY	CM/SEC	XB
VELWE	ELECTRON WARE VELOCITY	CM/SEC	XB
VETAE	ETA(E) VALIDITY CHK		XB
VETAI	ETA(I) VALIDITY CHECK		XB
VMO_DATA	Momentum v_rad input data	CM/SEC	XB
VMO_NET	Momentum v_rad used in model	CM/SEC	XB
VMO_PBAL	Momentum v_rad from ptcl-bal	CM/SEC	XB
VP2_IN	VP2 data as input	rad/sec	RMJSYM
VP2_USE	VP2 data as used	rad/sec	RMJSYM
VPB_F1_D	Vpll.B: full energy D beam	T*(cm/sec)	X
VPB_F2_D	Vpll.B: half energy D beam	T*(cm/sec)	X
VPB_F3_D	Vpll.B: 1/3 energy D beam	T*(cm/sec)	X
VPEPALEO	PALEOCLASSICAL THERMAL PINCH	CM/SEC	XB
VPHIMMM07	MMM07 TOR. CONV. VEL.	CM**2/SEC	XB
VPOH	VOLTAGE for POH calculation	VOLTS	X
VPOLD_NC	NC D+ poloidal velocity	CM/SEC	RMAJM
VPOLE_NC	NC electron poloidal velocity	CM/SEC	RMAJM
VPOLH_NC	NC H+ poloidal velocity	CM/SEC	RMAJM
VPOLX_NC	NC impurity poloidal velocity	CM/SEC	RMAJM
VPOL_AVG	NC avg poloidal velocity	CM/SEC	RMAJM
VRPOT	RADIAL ELECTRICAL POTENTIAL	VOLTS	XB

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
VTORD_NC	NC D+ toroidal velocity	CM/SEC	RMAJM
VTORE_NC	NC electron toroidal velocity	CM/SEC	RMAJM
VTORH_NC	NC H+ toroidal velocity	CM/SEC	RMAJM
VTORX	impurity toroidal velocity data	CM/SEC	RMAJM
VTORX_NC	NC impurity toroidal velocity	CM/SEC	RMAJM
VTOR_AVG	momentum balance avg velocity	CM/SEC	RMAJM
WNMC_D	Beam D No. of MC Ions	#ptcls	X
X	x"r/a" ctr		X
XB	x"r/a" bdy		XB
XDEW19	WEILAND19 MODEL D(I)	CM**2/SEC	XB
XDIMIX	MIXED MODEL D(I)	CM**2/SEC	XB
XETAE	CHI:E(ETA(E)) ACTIVE	CM**2/SEC	XB
XETE0	CHI:E(ETA(E)) GUZDAR	CM**2/SEC	XB
XETI0	CHI(ETA(I)) RAW	CM**2/SEC	XB
XILMP	TOROIDAL FLUX LABEL		RMAJM
XIRSYM	FLUX LABEL (DATA MAPPING)		RMJSYM
XKAPEGKF	IFS-PPPL GYROFLUID MODEL CHI(E)	CM**2/SEC	XB
XKAPIGKF	IFS-PPPL GYROFLUID MODEL CHI(I)	CM**2/SEC	XB
XKEETG	HORTON ETG MODEL CHI(E)	CM**2/SEC	XB
XKEGLF23	GLF23 MODEL CHI(E)	CM**2/SEC	XB
XKEMIX	MIXED MODEL CHI(E)	CM**2/SEC	XB
XKEMMM07	MMM07 MODEL CHI(E)	CM**2/SEC	XB
XKEMMM95	MMM95 MODEL CHI(E)	CM**2/SEC	XB
XKEPALEO	PALEOCLASSICAL CHI(E)	CM**2/SEC	XB
XKEW19	WEILAND19 MODEL CHI(E)	CM**2/SEC	XB
XKFAC	CHI(I) MULTIPLIER		XB

FUNCTIONS OF TIME AND ADDL COORD RUN NSTX.08 128820P07

ABBREV.	FULL LABEL	UNITS	(X)
XKIGLF23	GLF23 MODEL CHI(I)	CM**2/SEC	XB
XKIMIX	MIXED MODEL CHI(I)	CM**2/SEC	XB
XKIMMM07	MMM07 MODEL CHI(I)	CM**2/SEC	XB
XKIMMM95	MMM95 MODEL CHI(I)	CM**2/SEC	XB
XKINC	NEOCLASSICAL CHI(I)	CM**2/SEC	XB
XKIW19	WEILAND19 MODEL CHI(I)	CM**2/SEC	XB
XKZMMM07	MMM07 MODEL CHI(Z)	CM**2/SEC	XB
XKZW19	WEILAND19 MODEL CHI(Z)	CM**2/SEC	XB
XPPMMM07	MMM07 MODEL CHI(Theta)	CM**2/SEC	XB
XPPW19	WEILAND19 MODEL CHI(Theta)	CM**2/SEC	XB
XPTMMM07	MMM07 MODEL CHI(Phi)	CM**2/SEC	XB
XPTW19	WEILAND19 MODEL CHI(Phi)	CM**2/SEC	XB
XZIMPJ	Zonal Avg Z of Impurity		X
YLIM	LIMITER Y PTS	CM	ILIM
YMC00	0TH ASYM Y MOMENT	CM	XB
YMC01	1st ASYM Y COS MOMENT	CM	XB
YMC02	2nd ASYM Y COS MOMENT	CM	XB
YMC03	3rd ASYM Y COS MOMENT	CM	XB
YMC04	4th ASYM Y COS MOMENT	CM	XB
YMC05	5th ASYM Y COS MOMENT	CM	XB
YMC06	6th ASYM Y COS MOMENT	CM	XB
YMC07	7th ASYM Y COS MOMENT	CM	XB
YMC08	8th ASYM Y COS MOMENT	CM	XB
YMC09	9th ASYM Y COS MOMENT	CM	XB
YMC10	10th ASYM Y COS MOMENT	CM	XB
YMC11	11th ASYM Y COS MOMENT	CM	XB

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ABBREV.	FULL LABEL	UNITS	(X)
YMC12	12th ASYM Y COS MOMENT	CM	XB
YMC13	13th ASYM Y COS MOMENT	CM	XB
YMC14	14th ASYM Y COS MOMENT	CM	XB
YMC15	15th ASYM Y COS MOMENT	CM	XB
YMC16	16th ASYM Y COS MOMENT	CM	XB
YMPA	"MIDPLANE" Y OF ASYM SURFACES	CM	XB
YMS01	1st ASYM Y SIN MOMENT	CM	XB
YMS02	2nd ASYM Y SIN MOMENT	CM	XB
YMS03	3rd ASYM Y SIN MOMENT	CM	XB
YMS04	4th ASYM Y SIN MOMENT	CM	XB
YMS05	5th ASYM Y SIN MOMENT	CM	XB
YMS06	6th ASYM Y SIN MOMENT	CM	XB
YMS07	7th ASYM Y SIN MOMENT	CM	XB
YMS08	8th ASYM Y SIN MOMENT	CM	XB
YMS09	9th ASYM Y SIN MOMENT	CM	XB
YMS10	10th ASYM Y SIN MOMENT	CM	XB
YMS11	11th ASYM Y SIN MOMENT	CM	XB
YMS12	12th ASYM Y SIN MOMENT	CM	XB
YMS13	13th ASYM Y SIN MOMENT	CM	XB
YMS14	14th ASYM Y SIN MOMENT	CM	XB
YMS15	15th ASYM Y SIN MOMENT	CM	XB
YMS16	16th ASYM Y SIN MOMENT	CM	XB
ZEFFI	ZEFF DATA (UNCONSTRAINED)		X
ZEFFP	PLASMA COMPOSITION ZEFF PROFILE		X
ZEFMD	MAGDIF ZEFF PROFILE		X
ZIMPS_TOK	TOK Avg. Mult. Impurity Z		X