SCALAR FUNCTIONS of TIME

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)
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)
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)
BPHDEP0_D: DBEAM DEPOSITED MOMENTUM, ION point (NT-M)
BPHDEPGC_D: DBEAM DEPOSITED MOMENTUM, at GC (NT-M)
BPHDFB_D: D BEAM: ANOM.DIFF. TORQUE (NT-M)
BPHDP: FI ROT. DEPOSITION (NT-M)
BPHDPBA_D: DBEAM MOMENTUM, BALANCE CHECK (NT-M)
BPHDP_D: D BEAM: DEPOSITION, ION point (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)
BPHINJS_D: DBEAM MOMENTUM INJECTED (NT-M)
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)
BPHSHIN_D: DBEAM SH_THRU MOMENTUM (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)
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)
BPMINPA: MINORITY BETA (POLOIDAL) PLL ()
BPMINPP: MINORITY BETA (POLOIDAL) PERP ()
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)
BQKPRHO_D: RF->D Beam:avg kprp(rho) adj ()
BRKPRHO_D: RF->D Beam:avg wave Dep/Pfpp ()
BSBAL: FAST ION PTCL BALANCE (N/SEC)
BSBAL_D: D BEAM PTCL BALANCE (N/SEC)
BSNXI: FAST ION CX SINK (INT) (N/SEC)
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)
CPBMAX: MAX THREAD CPU TIME: NUBEAM (HOURS)
CPBMCINI: CPU: FAST ION MC TABLE SETUP (HOURS)
CPBMIN: MIN THREAD CPU TIME: NUBEAM (HOURS)
CPBORB: CPU: FAST ION ORBIT + COLLISIONS (HOURS)
CPBOUT: CPU: FAST ION OUTPUT RENORM (HOURS)
CPBROOT: ROOT THREAD CPU TIME: NUBEAM (HOURS)
CPECH: CPU TIME IN ECH MODEL (HOURS)
CPFPP: CPU: ICRF & FP MODEL (HOURS)
CPFP_COEF: CPU: FPP Coefficient setup (HOURS)
CPFP_OUT: CPU: FPP Final Output (HOURS)
CPFP_QLO: CPU: FPP Quasilinear Operator (HOURS)
CPFP_RAD: CPU: FPP Radial Transport Loop (HOURS)
CPFP_SOLV: CPU: Fokker-Planck Solver (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)
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)
CPWAVE: CPU: ICRF WAVE CODE (ONLY) (HOURS)

CPXPGL: CPU: xplasma load (HOURS)
DFLUX: COMPUTED DIAMAGNETIC FLUX (WEBERS)
DINJ01_E1: Einj RMS Var.: beam#01(D), E#1 (eV)
DINJ01_E2: Einj RMS Var.: beam#01(D), E#2 (eV)
DINJ01_E3: Einj RMS Var.: beam#01(D), E#3 (eV)
DINJ02_E1: Einj RMS Var.: beam#02(D), E#1 (eV)
DINJ02_E2: Einj RMS Var.: beam#02(D), E#2 (eV)
DINJ02_E3: Einj RMS Var.: beam#02(D), E#3 (eV)
DINJ03_E1: Einj RMS Var.: beam#03(D), E#1 (eV)
DINJ03_E2: Einj RMS Var.: beam#03(D), E#2 (eV)
DINJ03_E3: Einj RMS Var.: beam#03(D), E#3 (eV)
DINJ04_E1: Einj RMS Var.: beam#04(D), E#1 (eV)
DINJ04_E2: Einj RMS Var.: beam#04(D), E#2 (eV)
DINJ04_E3: Einj RMS Var.: beam#04(D), E#3 (eV)
DT: ENERGY BALANCE TIMESTEP (SECONDS)
DTG: TIMESTEP FOR GEOMETRY (SECONDS)
DTMAXG: MAXIMUM 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)
EINJ01_E1: Einj: beam#01(D), E-frac#1 (eV)
EINJ01_E2: Einj: beam#01(D), E-frac#2 (eV)
EINJ01_E3: Einj: beam#01(D), E-frac#3 (eV)
EINJ02_E1: Einj: beam#02(D), E-frac#1 (eV)
EINJ02_E2: Einj: beam#02(D), E-frac#2 (eV)
EINJ02_E3: Einj: beam#02(D), E-frac#3 (eV)
EINJ03_E1: Einj: beam#03(D), E-frac#1 (eV)
EINJ03_E2: Einj: beam#03(D), E-frac#2 (eV)
EINJ03_E3: Einj: beam#03(D), E-frac#3 (eV)
EINJ04_E1: Einj: beam#04(D), E-frac#1 (eV)
EINJ04_E2: Einj: beam#04(D), E-frac#2 (eV)
EINJ04_E3: Einj: beam#04(D), E-frac#3 (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)
FREQA1: FREQUENCY ON ICRF ANTENNA #1 (Hz)
FREQA2: FREQUENCY ON ICRF ANTENNA #2 (Hz)
GASD: D0 GAS FLOW SOURCE (N/SEC)
GASL: LITHIUM GAS FLOW SOURCE (N/SEC)
GFLRL_BA: Fraction MC Ion GFLR Loss Bad ()
GFLRL_DI: Fraction MC Ion GFLR Loss Dist ()
GFLRL_ES: Fraction MC Ion GFLR Loss Est. ()
GFLRL_LI: Fraction MC Ion GFLR Loss Limit ()
GFLRL_MA: Fraction MC Ion GFLR Loss Map ()
GFLR_AP: Fraction MC Ion GFLR Approx. ()
GFLR_C: Fraction MC Ion GFLR Classical ()
GFLR_GC: Fraction MC Ion GFLR GC ()

GFLR_OK: Fraction MC Ion GFLR OK ()
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 ()
H97LG: TauE97L,g confinement Hfactor ()
H97LTH: TauE97L,th confinement Hfactor ()
H98Y2: TauE98y,2 confinement Hfactor ()
H98Y2E: TauE98y,2e confinement Hfactor ()
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 ()
LHMODE: H-Mode indicator ()
LI2PB: LI/2 + BETA(POLOIDAL) ()
LIO2: INDUCTANCE (LI/2) ()
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. ()
MQKPRHO_H: RF->H Minority:avg kprp(r) adj ()
MRKPRHO_H: RF->H Minority:avg Pwave/Pfpp ()
MUIC: TRANSP EST. MU(DIA) MHD EQ ()
MUIM: MAGNETICS EST. MU(DIA) ()
NBEQ: 0 limited, -1 lower, 1 upper Div as used ()
NBGUESS: 0 limited, -1 lower, 1 upper Div as guessed from boundary ()
NCX0_D: # CX events D orbiting (N)
NEEDG: ELECTRON DENSITY AT/BEYOND BDY (N/CM**3)
NEPED: ELECTRON PEDESTAL DENSITY (N/CM**3)
NEPEDW: ELECTRON PEDESTAL WIDTH: NE ()
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)
NNEW_D: Beam D MC Deposited (N)
OM0GASFL: GAS FLOW Ang. Veloc. (AVG) (RAD/SEC)
OM0RECYC: RECYCLING GAS Ang. Veloc. (AVG) (RAD/SEC)
OMEDG: ANGULAR VELOCITY AT/BEYOND BDY (RAD/SEC)
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)
PBDEPBA_D: DBEAM POWER, BALANCE CHECK (WATTS)

PBDEPMC_D: DBEAM MC IONS POWER DEPOSITED (WATTS)
PBINJ_D: DBEAM MC IONS POWER INJECTED (WATTS)
PBSHINE_D: DBEAM SHINE-THRU POWER (WATTS)
PCUR: MEASURED PLASMA CURRENT (AMPS)
PCURC: CALCULATED PLASMA CURRENT (AMPS)
PCUREQ: EQ PLASMA CURRENT (AMPS)
PECHT: ECRF ELECTRON HEATING (WATTS)
PECIN: ECRF INPUT POWER (WATTS)
PECIN1: POWER FROM GYROTRON 1 (WATTS)
PEEDG: ELECTRON ENERGY VIA BDY (WATTS)
PHAIECH1: Toroidal aiming, GYROTRON 1 (DEGREES)
PICHA1: POWER ON ICRF ANTENNA #1 (WATTS)
PICHA2: POWER ON ICRF ANTENNA #2 (WATTS)
PICHBAL: RF POWER BALANCE (WATTS)
PICHE: POWER: ICH DIRECT TO ELECTRONS (WATTS)
PICHEXT: RF POWER BEYOND SEPARATRIX (WATTS)
PICHFAST: Power: ICH DIRECT to Fast ions (WATTS)
PICHI: POWER: ICH DIRECT TO TH.IONS (WATTS)
PICHMC: POWER: ICH TO MODE CONVERSION (WATTS)
PICHMIN: POWER: ICH TO MINORITY IONS (WATTS)
PICHTOT: TOTAL ICRF ANTENNA POWER (WATTS)
PIEDG: ION ENERGY VIA BDY (WATTS)
PINJ: BEAM POWER INJECTED (WATTS)
PINJ01: Beam#01(D) injected power (WATTS)
PINJ02: Beam#02(D) injected power (WATTS)
PINJ03: Beam#03(D) injected power (WATTS)
PINJ04: Beam#04(D) injected power (WATTS)
PINJ_D: TOTAL INJECTED D BEAM POWER (WATTS)
PL2HREQ: L-H transition power (WATTS)
PL2HTOT: Total heating power (WATTS)
PLFLXA: ENCLOSED POLOIDAL FLUX (Wb/rad)
PLFLXD: ENCLOSED POLOIDAL FLUX (data) (Wb/rad)
PLH: LH INPUT POWER (WATTS)
PLHABS: LH POWER ABSORBED IN PLASMA (WATTS)
PLHABS1: POWER ABSORBED ANT. 1 (WATTS)
PLHABS2: POWER ABSORBED ANT. 2 (WATTS)
PLHANT1: POWER INPUT ON ANT. 1 (WATTS)
PLHANT2: POWER INPUT ON ANT. 2 (WATTS)
PLHBCK: LH POWER BALANCE CHECK (WATTS)
PLHE: LH POWER TO ELECTRONS (WATTS)
PLHI: LH POWER TO IONS (WATTS)
PLHREF: LH POWER NOT ABSORBED IN PLASMA (WATTS)
POHT: OHMIC INPUT POWER (WATTS)
PRFBTOT: ALL FAST ION HEATING by RF (WATTS)
PRFB_D: RF POWER -> D BEAM IONS (WATTS)
PSI0_DATA: Psi_poloidal(axis) input data (Wb/rad)
PSI0_TR: Psi_poloidal(axis) in simulation (Wb/rad)
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)
RCYL: LITHIUM RECYCLING SOURCE (N/SEC)
RFMLOSS_H: RF H Minority: Orbit loss (NT-M)
RFPLOSS_H: RF H Minority: Orbit loss (WATTS)
RFPWRAB1: Power ABSORBED, Antenna #1 (WATTS)
RFPWRAB2: Power ABSORBED, Antenna #2 (WATTS)
RFSLOSS_H: RF H Minority: Orbit loss (N/SEC)
RLI_3: Bdy R = (Rmin+Rmax)/2 for Li_3 (CM)
RMAJBLIM: RMAJ EXTENT OF THE BOUNDARY (CM)
RMAJDFRAC: MAX DIFF BOUND/MIDPLANE WIDTH ()
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)
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 ()
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)
SC_NEPED: NE PEDESTAL HEIGHT SCALE FACTOR ()
SC_TEPED: TE PEDESTAL HEIGHT SCALE FACTOR ()
SC_TIPED: TI PEDESTAL HEIGHT SCALE FACTOR ()
SDEPUC_D: Beam D orbit averaged UNCONFINED (N/SEC)
SEEDG: ELECTRONS VIA BDY (N/SEC)
SFDEP: FAST ION SCE: DEPOSITION (N/SEC)
SFRCAP: FAST ION CX RECAPTURE (N/SEC)
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)
SX_NE: ne solver range [0:x] ()
SX_OMEGA: Ang. velocity solver range [0:x] ()
SX_TE: Te solver range [0:x] ()
SX_TI: Ti solver range [0:x] ()
T0GASFL: GAS FLOW TEMPERATURE (AVG) (EV)
T0RECYC: RECYCLING GAS TEMPERATURE (AVG) (EV)
TAUA1: ENERGY CONFINEMENT (TOTAL) (SECONDS)
TAUE97LG: TauE97L,g confinement scaling (SECONDS)
TAUE97LTH: TauE97L,th confinement scaling (SECONDS)
TAUE98Y2: TauE98y,2 confinement scaling (SECONDS)
TAUE98Y2E: TauE98y,2e confinement scaling (SECONDS)
TAUEA: ENERGY CONFINEMENT (THERMAL) (SECONDS)
TAUEE: ELECTRON ENERGY CONFINEMENT (SECONDS)

TE0: ELECTRON TEMPERATURE ON AXIS (EV)
TEEDG: ELECTRON TEMPERATURE AT/BEYOND BDY (EV)
TEPED: ELECTRON PEDESTAL TEMPERATURE (eV)
TEPEDW: ELECTRON PEDESTAL WIDTH: TE ()
TEPHA: SIMULATED PHA TE (EV)
TFLUX: ENCLOSED TOROIDAL FLUX (WEBERS)
THETECH1: Poloidal aiming, GYROTRON 1 (DEGREES)
TI0: ION TEMPERATURE ON AXIS (EV)
TIDAT: TI DATA (FOR COMPARISON) (EV)
TIEDG: ION TEMPERATURE AT/BEYOND BDY (EV)
TIME: Time (Seconds)
TIPED: ION PEDESTAL TEMPERATURE (eV)
TIPEDW: ION PEDESTAL WIDTH ()
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)
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)
VOLTSEC0: Axial flux consumption (V*s)
VOLTSECA: Poynting Average flux consumption (V*s)
VOLTSECBM: Boundary flux consumption based on meas. data (V*s)
VSUR: MEAS.AVG. SURFACE VOLTAGE (VOLTS)
VSUR0: SURFACE VOLTAGE (VOLTS)
VSURC: CALC.AVG. SURFACE VOLTAGE (VOLTS)
WALLTIME: Elapsed wall clock time (HOURS)
WC_NUBEAM: WALL CLOCK TIME: NUBEAM (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)
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)
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 ()

PROFILE FUNCTIONS of TIME and "X"

...vs. X:
AIMPJ: Zonal avg A of impurity ()
AMAG: BZ**2/BPOL**2 PROFILE ()
AMOI: Total Therm Ang Inertia Dens (NtMS2/CM3)
AMTR_MOD: Div(ang. momentum flux) (model) (Nt-M/CM3)
AMTR_OBS: Div(ang. momentum flux) (obs.) (Nt-M/CM3)
...vs. XB:
ARAT: ASPECT RATIO ()
...vs. X:
BALE0: NEUTRAL POWER BALANCE (WATTS/CM3)
BALE0_GF_D: D gas flow POWER BALANCE (WATTS/CM3)
BALE0_GF_L: Li gas flow POWER BALANCE (WATTS/CM3)
BALE0_HALO: HALO NEUTRAL POWER BALANCE (WATTS/CM3)
BALE0_RC_D: D recyc POWER BALANCE (WATTS/CM3)
BALE0_RC_L: Li recyc POWER BALANCE (WATTS/CM3)
BALE0_SGF: gas flow NEUTRAL POWER BALANCE (WATTS/CM3)
BALE0_SRC: recyling NEUTRAL POWER BALANCE (WATTS/CM3)
BALN0: BALANCE CHECK (N/CM3/SEC)
BALN0_GF_D: D gas (e-) NEUTRAL PTCL BAL. (N/CM3/SEC)
BALN0_GF_L: Li gas (e-) NEUTRAL PTCL BAL. (N/CM3/SEC)
BALN0_HALO: HALO (e-) NEUTRAL PTCL BALANCE (N/CM3/SEC)
BALN0_RC_D: D recyc (e-) NEUTRAL PTCL BAL. (N/CM3/SEC)
BALN0_RC_L: Li recyc (e-) NEUTRAL PTCL BAL. (N/CM3/SEC)
BALN0_SGF: gas flow (e-) NEUTRAL PTCL BAL. (N/CM3/SEC)
BALN0_SRC: recyling (e-) NEUTRAL PTCL BAL. (N/CM3/SEC)
BBETA: BEAM BETA POLOIDAL ()
...vs. MCINDX:
BBNT2_DD: DD BEAM-BEAM NEUTRONS (N/CM3/SEC)
...vs. X:
BBNTX: BEAM-BEAM NEUTRONS (N/CM3/SEC)
BBNTX_DD: DD BEAM-BEAM NEUTRONS (N/CM3/SEC)
BBPLL: BEAM BETA PLL (POLOIDAL) ()
BBPRP: BEAM BETA PERP (POLOIDAL) ()
BDENS: BEAM ION DENSITY (N/CM**3)
...vs. MCINDX:
BDENS2_D: D Beam ion density, GC (N/CM**3)
...vs. RMAJM:
BDENSTOTMP: Fast ion density, GC on midplane (#/CM**3)
...vs. X:
BDENS_D: D BEAM ION DENSITY (N/CM**3)
BDEP01_E1: bdep: Beam#01(D), E-frac no.1 (N/CM3/SEC)
BDEP01_E2: bdep: Beam#01(D), E-frac no.2 (N/CM3/SEC)
BDEP01_E3: bdep: Beam#01(D), E-frac no.3 (N/CM3/SEC)
BDEP01_TOT: bdep: Beam#01(D),total depositio (N/CM3/SEC)
BDEP02_E1: bdep: Beam#02(D), E-frac no.1 (N/CM3/SEC)
BDEP02_E2: bdep: Beam#02(D), E-frac no.2 (N/CM3/SEC)
BDEP02_E3: bdep: Beam#02(D), E-frac no.3 (N/CM3/SEC)
BDEP02_TOT: bdep: Beam#02(D),total depositio (N/CM3/SEC)
BDEP03_E1: bdep: Beam#03(D), E-frac no.1 (N/CM3/SEC)

BDEP03_E2: bdep: Beam#03(D), E-frac no.2 (N/CM3/SEC)
BDEP03_E3: bdep: Beam#03(D), E-frac no.3 (N/CM3/SEC)
BDEP03_TOT: bdep: Beam#03(D),total depositio (N/CM3/SEC)
BDEP04_E1: bdep: Beam#04(D), E-frac no.1 (N/CM3/SEC)
BDEP04_E2: bdep: Beam#04(D), E-frac no.2 (N/CM3/SEC)
BDEP04_E3: bdep: Beam#04(D), E-frac no.3 (N/CM3/SEC)
BDEP04_TOT: bdep: Beam#04(D),total depositio (N/CM3/SEC)
BDEPE_D1: FULL E D BEAM DEP (TOTAL) (N/CM3/SEC)
BDEPE_D2: HALF E D BEAM DEP (TOTAL) (N/CM3/SEC)
BDEPE_D3: 1/3 E D BEAM DEP (TOTAL) (N/CM3/SEC)
BDEP_D: D BEAM DEPOSITION (TOTAL) (N/CM3/SEC)
...vs. XB:
BDIFBX_D: D anom beam ion diffusivity (CM**2/SEC)
...vs. MCINDX:
BEPLL2_D: D Beam ion <Epll>, GC (eV)
BEPRP2_D: D Beam ion <Eperp>, GC (eV)
...vs. X:
BMAX: Bmax on flux surface (Tesla)
BMIN: Bmin on flux surface (Tesla)
...vs. MCINDX:
BMVOL: 2d MC grid zone volumes (CM**3)
...vs. X:
BN0T1: N0(BEAM):1.GEN 1/1*EB (N/CM**3)
BN0T2: N0(BEAM):1.GEN 1/2*EB (N/CM**3)
BN0T3: N0(BEAM):1.GEN 1/3*EB (N/CM**3)
BOGUSE: BOGUS HEATING TO KEEP TE > 0 (WATTS/CM3)
BOGUSI: BOGUS HEATING TO KEEP TI > 0 (WATTS/CM3)
...vs. XB:
BPOL: POLOIDAL FIELD (TESLA)
...vs. X:
BRFRAT_D: RF -> D Beam: Pwave-dep/Pfpp ()
BTBE: BEAM BETA TOROIDAL ()
BTE: ELECTRON BETA TOROIDAL ()
BTI: ION BETA TOROIDAL ()
BTMIN: MINORITY BETA (TOROIDAL) ()
...vs. MCINDX:
BTNT2_DD: DD BEAM-TARGET NEUTRONS (N/CM3/SEC)
...vs. X:
BTNTX: BEAM-TARGET NEUTRONS (N/CM3/SEC)
BTNTX_DD: DD BEAM-TARGET NEUTRONS (N/CM3/SEC)
BTPL: PLASMA BETA TOROIDAL ()
BTRAP0_D: D beam full E dep banana frac. ()
BTRAP_D: D beam ions banana fraction ()
BTROT: ROTATION BETA TOROIDAL ()
BTTOT: TOTAL BETA TOROIDAL ()
...vs. RMAJM:
BTX: |BT(EXTERNAL)| (TESLA)
...vs. XB:
BVELBX_D: D anom beam ion velocity (CM/SEC)
...vs. MCINDX:
BVTOR2_D: D Beam ion <Vtor>, GC (cm/sec)

...vs. X:
CFPCX_GFD: CX POWER COEFF. gas flow D (WATTS/CM3/EV)
CFPCX_GFL: CX POWER COEFF. gas flow Li (WATTS/CM3/EV)
CFPCX_RCD: CX POWER COEFF. recyc. D (WATTS/CM3/EV)
CFPCX_RCL: CX POWER COEFF. recyc. Li (WATTS/CM3/EV)
CFTCX_GFD: CX TORQUE COEFF. gas flow D (Nt-M/CM3/(RAD/S))
CFTCX_GFL: CX TORQUE COEFF. gas flow Li (Nt-M/CM3/(RAD/S))
CFTCX_RCD: CX TORQUE COEFF. recyc. D (Nt-M/CM3/(RAD/S))
CFTCX_RCL: CX TORQUE COEFF. recyc. Li (Nt-M/CM3/(RAD/S))
...vs. XB:
CHPHDAT: MOMENTUM CHI(PHI) DATA (CM**2/SEC)
CHPHI: MOMENTUM DIFFUSIVITY (CM**2/SEC)
CHPHM: MOMENTUM CHI(PHI) MODEL (CM**2/SEC)
CHPHMNC: MOMENTUM CHI(PHI) NEOCLASSICAL (CM**2/SEC)
CHPHMTB: MOMENTUM CHI(PHI) TURBULENT (CM**2/SEC)
...vs. X:
CICHD_ALL: ICH DIRECT CUR DRIVE (AMPS/CM2)
CICHM_ALL: ICH MINORITY CUR DRIVE (AMPS/CM2)
CLOGE: ELECTRON COULOMB LOG ()
CLOGI: ION COULOMB LOG ()
...vs. XB:
CONDE: ELECTRON HEAT DIFFUSIVITY (CM**2/SEC)
CONDEF: 1 FLUID "EFFECTIVE" CHI (CM**2/SEC)
CONDEPR: chi(e) predictive model (CM**2/SEC)
CONDI: ION HEAT DIFFUSIVITY (CM**2/SEC)
CONDICWNC: NCLASS ion class heat diffus (CM**2/SEC)
CONDIPR: chi(i) predictive model (CM**2/SEC)
CONDIWNC: NCLASS ion heat diffusivity (CM**2/SEC)
CONDWNCD: NCLASS D+ heat diffusivity (CM**2/SEC)
CONDWNCE: NCLASS e- heat diffusivity (CM**2/SEC)
CONDWNCLI: NCLASS Li heat diffusivity (CM**2/SEC)
CONDWNCX: NCLASS Imp heat diffusivity (CM**2/SEC)
...vs. X:
CONPLJB: Approximate <J.B>/Jtor (TESLA)
...vs. XGRID_NPHI:
CPLSPEC1: Coupled Spectrum, Antenna #1 ()
CPLSPEC2: Coupled Spectrum, Antenna #2 ()
...vs. X:
CUR: TOTAL PLASMA CURRENT (AMPS/CM2)
CURB: BEAM DRIVEN CURRENT (AMPS/CM2)
...vs. XB:
CURBRABD: FAST ION RAD.CUR (ANOM DIFFUS) (AMPS)
CURBRFSH: FAST ION RAD.CUR (FISHBONES) (AMPS)
CURBRORB: FAST ION RADIAL CURRENT (ORBIT) (AMPS)
CURBRRIP: FAST ION RAD.CUR (RIPPLE LOSS) (AMPS)
...vs. X:
CURBS: BOOTSTRAP CURRENT (AMPS/CM2)
CURBSEPS: Aspect Ratio Bootstrap Current (AMPS/CM2)
CURBSNE: Ne contrib Sauter Bootstrap Cur (AMPS/CM2)
CURBSNI: Ni contrib Sauter Bootstrap Cur (AMPS/CM2)
CURBSSAU: Sauter Bootstrap Current as Used (AMPS/CM2)

CURBSSAU0: Sauter Bootstrap Current Original Form (AMPS/CM2)
CURBSSAU1: Sauter Bootstrap Current CS Chang Form (AMPS/CM2)
CURBSTE: Te contrib Sauter Bootstrap Cur (AMPS/CM2)
CURBSTI: Ti contrib Sauter Bootstrap Cur (AMPS/CM2)
CURBSWNC: NCLASS Bootstrap Current (AMPS/CM2)
CURGP: GRAD(P) TOROIDAL CUR (AMPS/CM2)
CUROH: OHMIC PLASMA CURRENT (AMPS/CM2)
...vs. X:
DAREA: ZONE CROSS SECTIONAL AREA (CM**2)
...vs. XB:
DEINT: INTOR ELECTRON DIFFUSIVITY (CM**2/SEC)
DFENC: Nclass e- particle diffusivity (CM**2/SEC)
...vs. X:
DFIMP: DIV(IMPURITY FLUX) (N/CM3/SEC)
...vs. XB:
DFINC_D: Nclass D+ particle diffusivity (CM**2/SEC)
DFINC_LI: Nclass Li particle diffusivity (CM**2/SEC)
DFI_D: D+ ION DIFFUSIVITY (NMODEL=4) (CM**2/SEC)
DFI_LITH: LITH ION DIFFUSIVITY (NMODEL=4) (CM**2/SEC)
DIFB: ANOMOLOUS FAST ION DIFFUSIVITY (CM**2/SEC)
DIFFD: EFF. D+ ION DIFFUSIVITY (CM**2/SEC)
DIFFE: ELEC PTCL DIFFUSIVITY (CM**2/SEC)
DIFFI: ION DIFFUSIVITY FROM TOTAL FLUX (CM**2/SEC)
DIFFI0: INPUT ION DIFFUSIVITY (NMODEL=4) (CM**2/SEC)
DIFFIGLF: GLF23 ION DIFFUSIVITY (CM**2/SEC)
DIFFLI: EFF. LI+++ ION DIFFUSIVITY (CM**2/SEC)
DIFFX: EFF. IMP ION DIFFUSIVITY (CM**2/SEC)
DIFWE: ELEC PTCL DIFFUSIVITY (WARE) (CM**2/SEC)
...vs. X:
DIVFD: DIV(ION FLUX D+) (N/CM3/SEC)
DIVFE: DIV(ELECTRON FLUX) (N/CM3/SEC)
DIVFI: DIV(TOTAL ION FLUX) (N/CM3/SEC)
DIVLITHT: DIV(ION FLUX LI+++) (N/CM3/SEC)
DN0VD: VOL NEUTRAL DENSITY G=D (N/CM**3)
DN0VLITH: VOL NEUTRAL DENSITY G=LITH (N/CM**3)
DN0WD: WALL NEUTRAL DENS G=D (N/CM**3)
DN0WLITH: WALL NEUTRAL DENS G=LITH (N/CM**3)
DNBDT_D: D/DT(D BEAM ION DENS) (N/CM3/SEC)
DNDDT: D/DT(ION DENS D+) (N/CM3/SEC)
DNEDT: D/DT(ELECTRON DENSITY) (N/CM3/SEC)
DNIDT: D/DT(TOTAL ION DENSITY) (N/CM3/SEC)
DNIMP: D/DT(IMPURITY DENSITY) (N/CM3/SEC)
DNLITHDT: D/DT(ION DENS LI+++) (N/CM3/SEC)
DRAV: FLUX SURFACE AVG <DR> (CM)
DRAVFAC: <dr>*<1/dr> ()
DVOL: ZONE VOLUME (CM**3)
DZIMP: D/DT(IMPURITY SPECIE) (N/CM3/SEC)
...vs. RMAJM:
EBAPLAV_MP: FAST ION <Epll> , GC on midplane (eV)
EBAPPAV_MP: FAST ION <Eperp>, GC on midplane (eV)
...vs. X:

EBEAM_D: AVG D BEAM ION ENERGY (EV)
ECCUR: ECRH CURRENT (AMPS/CM2)
ECCUR1: ECRH CURRENT (GYROTRON 1) (AMPS/CM2)
EETR_MOD: Div(elec energy flux) (model) (WATTS/CM3)
EETR_OBS: Div(elec energy flux) (observed) (WATTS/CM3)
EHEAT: TOTAL ELECTRON HEATING (WATTS/CM3)
...vs. XB:
ELONG: Flux surface elongation ()
...vs. X:
EMINPAR_H: H ICRF MINORITY <E>PLL (EV)
EMINPER_H: H ICRF MINORITY <E>PERP (EV)
...vs. XB:
EPOTNC: ER POTENTIAL: NC ANALYSIS (VOLTS)
EPOTRO: RADIAL POTENTIAL due to ROTATION (VOLTS)
...vs. X:
EPTR_MOD: Div(electron flux) (model) (N/CM3/SEC)
EPTR_OBS: Div(electron flux) (observed) (N/CM3/SEC)
...vs. RMAJM:
ERPRESS: NC radial E field, Pressure term (V/CM)
ERTOT: NC radial E Field (V/CM)
ERVPOL: NC radial E field, Vpol term (V/CM)
ERVTOR: NC radial E field, Vtor term (V/CM)
...vs. XB:
ETAE: D(LN(TE))/D(LN(NE)) ()
ETAI: D(LN(TI))/D(LN("NI")) ()
ETAIE: D(LN(TI))/D(LN(NE)) ()
...vs. X:
ETA_NC: NC RESISTIVITY (old fit) (OHM*CM)
ETA_SNC: Sauter Neoclassical Resistivity (OHM*CM)
ETA_SP: SPITZER RESISTIVITY (OHM*CM)
ETA_SPS: SPITZER RESISTIVITY (Sauter) (OHM*CM)
ETA_TSC: TSC Neoclassical Resistivity (OHM*CM)
ETA_USE: RESISTIVITY USED OR INFERRED (OHM*CM)
ETA_WNC: NCLASS Resistivity (OHM*CM)
...vs. XB:
ETPARGLF: GLF23 MOM (PAR) DIFFUSIVITY (CM**2/SEC)
ETPERGLF: GLF23 MOM (PERP) DIFFUSIVITY (CM**2/SEC)
ETPHIGLF: GLF23 MOM (TOR) DIFFUSIVITY (CM**2/SEC)
EXBGLF: GLF23 EXB SHEAR RATE (/SEC)
...vs. X:
EXCS_D_1: FULL E D: DEPO EXCIT. FACTOR ()
EXCS_D_2: HALF E D: DEPO EXCIT. FACTOR ()
EXCS_D_3: 1/3 E D: DEPO EXCIT. FACTOR ()
EXCS_D_X: CX D: RECAP EXCIT. FACTOR ()
...vs. RMAJM:
FBPBT: |BP|/|BT| COMPUTED ()
...vs. THETA:
FBTH1: FI DIST 0.< R/A <.2 (N/CM**3)
FBTH2: FI DIST .2< R/A <.4 (N/CM**3)
FBTH3: FI DIST .4< R/A <.6 (N/CM**3)
FBTH4: FI DIST .6< R/A <.8 (N/CM**3)

FBTH5: FI DIST .8< R/A <1. (N/CM**3)
...vs. RMAJM:
FBTX: |BT|/|BT(EXTERNAL)| ()
FBX: |B|/|BT(EXTERNAL)| ()
...vs. X:
FEELH: LH FRACTION FAST EL ENERGY ()
FENLH: LH FRACTION FAST EL PARTICLES ()
...vs. XB:
FKBOL: CHI(I) NC BOLTON: TRANSP (CM**2/SEC)
FKBOL_K0: CHI(I) NC BOLTON: KAPISN_0 (CM**2/SEC)
FKBOL_K1: CHI(I) NC BOLTON: KAPISN_1 (CM**2/SEC)
FKCH2: CHI(I) NC CHANG-HINTON VSN 2: TRANSP (CM**2/SEC)
FKCH2_K0: CHI(I) NC CHANG-HINTON VSN 2: KAPISN_0 (CM**2/SEC)
FKCH2_K1: CHI(I) NC CHANG-HINTON VSN 2: KAPISN_1 (CM**2/SEC)
FKCHH: CHI(I) NC CHANG-HINTON ORIGINAL: TRANSP (CM**2/SEC)
FKCHH_K0: CHI(I) NC CHANG-HINTON ORIGINAL: KAPISN_0 (CM**2/SEC)
FKCHH_K1: CHI(I) NC CHANG-HINTON ORIGINAL: KAPISN_1 (CM**2/SEC)
FKCHZ: CHI(I) NC CHANG-HINTON Z-CORR: TRANSP (CM**2/SEC)
FKCHZ_K0: CHI(I) NC CHANG-HINTON Z-CORR: KAPISN_0 (CM**2/SEC)
FKCHZ_K1: CHI(I) NC CHANG-HINTON Z-CORR: KAPISN_1 (CM**2/SEC)
FKHZH: CHI(I) NC HAZELTINE-HINTON: TRANSP (CM**2/SEC)
FKHZH_K0: CHI(I) NC HAZELTINE-HINTON: KAPISN_0 (CM**2/SEC)
FKHZH_K1: CHI(I) NC HAZELTINE-HINTON: KAPISN_1 (CM**2/SEC)
FKJUL: CHI(I) NC RUTHERFORD-JULICH: TRANSP (CM**2/SEC)
FKJUL_K0: CHI(I) NC RUTHERFORD-JULICH: KAPISN_0 (CM**2/SEC)
FKJUL_K1: CHI(I) NC RUTHERFORD-JULICH: KAPISN_1 (CM**2/SEC)
...vs. X:
FL0EI: DIV(NEUTRAL E-INFLUX) (WATTS/CM3)
FL0EX: DIV(NEUTRAL E-OUTFLUX) (WATTS/CM3)
FLX0I: DIV(NEUTRAL INFLUX) (N/CM3/SEC)
FLX0X: DIV(NEUTRAL OUTFLUX) (N/CM3/SEC)
FLX0_GF_D: D DIV(gas (e-) NEUTRAL FLUX) (N/CM3/SEC)
FLX0_GF_L: Li DIV(gas (e-) NEUTRAL FLUX) (N/CM3/SEC)
FLX0_HALO: DIV(HALO (e-) NEUTRAL FLUX) (N/CM3/SEC)
FLX0_RC_D: D DIV(recyc (e-) NEUTRAL FLUX) (N/CM3/SEC)
FLX0_RC_L: Li DIV(recyc (e-) NEUTRAL FLUX) (N/CM3/SEC)
FLX0_SGF: DIV(gas flow (e-) NEUTRAL FLUX) (N/CM3/SEC)
FLX0_SRC: DIV(recyling (e-) NEUTRAL FLUX) (N/CM3/SEC)
FMCK_WNC: NCLASS Fm convergence check ()
FPAX_D: D BEAM SCATTERING >IMPURITIES ()
FPBX_D: D BEAM DRAG >IMPURITIES ()
...vs. XB:
FRAT1GLF: GLF23 LEADING MODE FREQUENCY (/SEC)
FRAT2GLF: GLF23 SCND LEADING MODE FREQ (/SEC)
...vs. X:
FTOT2TT: TOTAL T(T,2N)HE4 FUSION (N/CM3/SEC)
FTOTDDN: TOTAL D(D,N)HE3 FUSION (N/CM3/SEC)
FTOTDDP: TOTAL D(D,P)T FUSION (N/CM3/SEC)
FTOTDT: TOTAL D-T FUSION (N/CM3/SEC)
...vs. X:
GAINE: ELECTRON GAIN (WATTS/CM3)

GAINI: ION GAIN (WATTS/CM3)
...vs. XB:
GAMDRBM1: DRBM GRTH RATE MODE=1 (1/SEC)
GAMDRBM2: DRBM GRTH RATE MODE=2 (1/SEC)
GAMDRBM3: DRBM GRTH RATE MODE=3 (1/SEC)
GAMMMM1: MMM95 GRTH RATE MODE=1 (1/SEC)
GAMMMM2: MMM95 GRTH RATE MODE=2 (1/SEC)
...vs. X:
GAMNC: NC gamma, <n.grad(theta)> (CM**-1)
GB1: <B> flux surface average (Tesla)
GB2: <B**2> flux surface average (Tesla**2)
GB2I: <B**-2> flux surface average (Tesla**-2)
GBR2: <B*R**2> flux surface average (Tesla*cm2)
...vs. XB:
GDATA: G profile (Ufile data) ()
...vs. X:
GFLNC_D: div(NC ptcl flux) thermal D+ (N/CM3/SEC)
GFLNC_E: div(NC ptcl flux) electrons (N/CM3/SEC)
GFLNC_I: div(NC ptcl flux) thermal ions (N/CM3/SEC)
GFLNC_L: div(NC ptcl flux) thermal Li (N/CM3/SEC)
GFLNC_X: div(NC ptcl flux) impurity (N/CM3/SEC)
...vs. XB:
GFUN: G: PARA/DIAMAGNETISM ()
GFUNC: G: GRAD-SHAF EQUILIBRIUM CHECK ()
...vs. X:
GMAG: GMAG (RT) PRESSURE PROFILE (JLES/CM3)
GR2: <R**2> FLUX SURFACE VOL.AVG (CM**2)
GR2I: <1/R**2> FLUX SURFACE VOL.AVG (CM**-2)
GR2X2: <R**2*GRAD(XI)**2> FLX.SURF.AVG ()
...vs. XB:
GRAT1GLF: GLF23 GROWTH RT OF LEADING MODE (/SEC)
GRAT2GLF: GLF23 GRTH RT SCND LEADING MODE (/SEC)
...vs. RMJSYM:
GRB_IN: GRB data as input (Tesla*cm)
GRB_USE: GRB data as used (Tesla*cm)
...vs. X:
GRI: <1/R> FLUX SURFACE VOL.AVG (CM**-1)
GRIXI: <1/(R*GRAD(XI))> FLX.SURF.AVG ()
GX2B2I: <grad(XI)**2/B**2> (1/T^2*CM^2)
GX2R2I: <GRAD(XI)**2/R**2> FLX.SURF.AVG (CM**-4)
GXI: <GRAD(XI)> FLUX SURF VOL.AVG (CM**-1)
GXI2: <GRAD(XI)**2> FLUX SURF VOL.AVG (CM**-2)
...vs. XB:
HLFLX: M,N=1 HELICAL FLUX (Wb/rad)
...vs. RMAJM:
HLFMP: HELICAL FLUX (Wb/rad)
...vs. XB:
IBRORB_D: D BEAM ION RADIAL CUR (ORBIT) (AMPS)
...vs. X:
ICCUR: ICRF DRIVEN CURRENT (AMPS/CM2)
IETR_MOD: Div(ion energy flux) (model) (WATTS/CM3)

IETR_OBS: Div(ion energy flux) (observed) (WATTS/CM3)
IHEAT: TOTAL ION HEATING (WATTS/CM3)
...vs. ILIM:
ILIM: LIMITER CONTOUR INDEX ()
...vs. X:
IPTR_MOD: Div(total ion flux) (model) (N/CM3/SEC)
IPTR_OBS: Div(total ion flux) (observed) (N/CM3/SEC)
...vs. X:
JBFAC: Species avg Jb shielding ()
JBFACZ1: Z=1 Jb shielding ()
JGPHR2I: <J.grad(phi)>/<1/R**2> (AMPS/CM)
JICF01N01: ICRF CUR, Nphi= 33, FREQ#1 (AMPS/CM2)
JICF02N01: ICRF CUR, Nphi= -7, FREQ#2 (AMPS/CM2)
JICF02N02: ICRF CUR, Nphi= 14, FREQ#2 (AMPS/CM2)
JIC_F1: RF J-direct drive, Freq.1 (AMPS/CM2)
JIC_F2: RF J-direct drive, Freq.2 (AMPS/CM2)
...vs. XB:
KETOT: CHI(E) "COUNTING" CONVECTION (CM**2/SEC)
...vs. X:
LHCUR: LH DRIVEN CURRENT (AMPS/CM2)
...vs. XB:
LPOL: POLOIDAL PATH LENGTH (CM)
...vs. X:
M0NET: NET CX MOMENTUM LOSS (Nt-M/CM3)
MCDENS_D: D BEAM ION DENSITY (MC LIST) (N/CM**3)
MCDEPS_D: NEW D BEAM IONS (MC DEP) (N/CM**3)
...vs. MCINDX:
MCINDX: 2d MC grid (x,th) ()
...vs. X:
MCONV: CONVECTIVE TRANSPORT (Nt-M/CM3)
MODOT: MOMENTUM GAIN (Nt-M/CM3)
MOIG_D: D Therm Ang Inertia Dens (NtMS2/CM3)
MOIG_LI: Li Therm Ang Inertia Dens (NtMS2/CM3)
MOIG_X: Impurity Therm Ang Inertia Dens (NtMS2/CM3)
MOIS_TOK: TOK Therm Ang Inertia Dens (NtMS2/CM3)
MRFRAT_H: RF->H Minority: Pwave/Pfpp ()
MVISC: VISCOUS TRANSPORT (Nt-M/CM3)
...vs. X:
N0BCXD0: CX FAST NEUTRAL DENSITY (D0) (N/CM**3)
N0BD0: 1.GEN FAST NEUTRAL DENSITY (D0) (N/CM**3)
N0BH_D: beam halo neutral density G=D (N/CM**3)
N0BH_LI: beam halo neutral density G=Li (N/CM**3)
N0GF_D_D: D n0 due to D gas flow (N/CM**3)
N0GF_D_L: D n0 due to Li gas flow (N/CM**3)
N0GF_L_D: Li n0 due to D gas flow (N/CM**3)
N0GF_L_L: Li n0 due to Li gas flow (N/CM**3)
N0RC_D_D: D n0 due to D recyc (N/CM**3)
N0RC_D_L: D n0 due to Li recyc (N/CM**3)
N0RC_L_D: Li n0 due to D recyc (N/CM**3)
N0RC_L_L: Li n0 due to Li recyc (N/CM**3)
N0SGF_D: gas flow neutral dens G=D (N/CM**3)

N0SGF_LI: gas flow neutral dens G=Li (N/CM**3)
N0SRC_D: recycling neutral dens G=D (N/CM**3)
N0SRC_LI: recycling neutral dens G=Li (N/CM**3)
NB01_E1: nb: Beam#01(D), E-frac no.1 (N/CM**3)
NB01_E2: nb: Beam#01(D), E-frac no.2 (N/CM**3)
NB01_E3: nb: Beam#01(D), E-frac no.3 (N/CM**3)
NB01_TOT: nb: Beam#01(D), total density (N/CM**3)
NB02_E1: nb: Beam#02(D), E-frac no.1 (N/CM**3)
NB02_E2: nb: Beam#02(D), E-frac no.2 (N/CM**3)
NB02_E3: nb: Beam#02(D), E-frac no.3 (N/CM**3)
NB02_TOT: nb: Beam#02(D), total density (N/CM**3)
NB03_E1: nb: Beam#03(D), E-frac no.1 (N/CM**3)
NB03_E2: nb: Beam#03(D), E-frac no.2 (N/CM**3)
NB03_E3: nb: Beam#03(D), E-frac no.3 (N/CM**3)
NB03_TOT: nb: Beam#03(D), total density (N/CM**3)
NB04_E1: nb: Beam#04(D), E-frac no.1 (N/CM**3)
NB04_E2: nb: Beam#04(D), E-frac no.2 (N/CM**3)
NB04_E3: nb: Beam#04(D), E-frac no.3 (N/CM**3)
NB04_TOT: nb: Beam#04(D), total density (N/CM**3)
NB_F1_D: density: full energy D beam (N/CM**3)
NB_F2_D: density: half energy D beam (N/CM**3)
NB_F3_D: density: 1/3 energy D beam (N/CM**3)
NCFT: NC trapping fraction (net) ()
NCFTMINUS: NC trapping fraction lower limit ()
NCFTPLUS: NC trapping fraction upper limit ()
ND: DEUTERIUM ION DENSITY (N/CM**3)
ND_NC: NCLASS D+ ION DENSITY (N/CM**3)
NE: ELECTRON DENSITY (N/CM**3)
...vs. RMJSYM:
NER_IN: NER data as input (n/cm**3)
NER_USE: NER data as used (n/cm**3)
...vs. X:
NETW: NE(R) ASSYMMETRY (N/CM**3)
NI: TOTAL ION DENSITY (N/CM**3)
NIMP: TOTAL IMPURITY DENSITY (N/CM**3)
NIMPS_TOK: TOK Total Impurity Density (N/CM**3)
NIMP_NC: NCLASS impurity density (N/CM**3)
NIMP_SINGL: SINGL Impurity Density (N/CM**3)
NLITH: LITHIUM ION DENSITY (N/CM**3)
NLITH_NC: NCLASS Li+++ ION DENSITY (N/CM**3)
NMC_D: Beam D No. of MC Ions (N)
NMINI: TOTAL ICRF MINORITY DENSITY (N/CM**3)
NMINI_H: H ICRF MINORITY DENSITY (N/CM**3)
NUSTE: ELECTRON COLLISIONALITY ()
NUSTI: ION COLLISIONALITY ()
...vs. X:
OM0BH_D: beam halo n0 ang. veloc. G=D (RAD/SEC)
OM0BH_LI: beam halo n0 ang. veloc. G=Li (RAD/SEC)
OM0CX_GFD: CX ANG. VELOC. gas flow D (RAD/SEC)
OM0CX_GFL: CX ANG. VELOC. gas flow Li (RAD/SEC)
OM0CX_RCD: CX ANG. VELOC. recyc. D (RAD/SEC)

OM0CX_RCL: CX ANG. VELOC. recyc. Li (RAD/SEC)
OM0GF_D_D: D omega0 due to D gas flow (RAD/SEC)
OM0GF_D_L: D omega0 due to Li gas flow (RAD/SEC)
OM0GF_L_D: Li omega0 due to D gas flow (RAD/SEC)
OM0GF_L_L: Li omega0 due to Li gas flow (RAD/SEC)
OM0RC_D_D: D omega0 due to D recyc (RAD/SEC)
OM0RC_D_L: D omega0 due to Li recyc (RAD/SEC)
OM0RC_L_D: Li omega0 due to D recyc (RAD/SEC)
OM0RC_L_L: Li omega0 due to Li recyc (RAD/SEC)
OM0VD: VOL NEUTRAL ANG.VEL G=D (RAD/SEC)
OM0VLITH: VOL NEUTRAL ANG.VEL G=LITH (RAD/SEC)
OM0WD: WALL NEUTRAL ANG.VEL G=D (RAD/SEC)
OM0WLITH: WALL NEUTRAL ANG.VEL G=LITH (RAD/SEC)
OMEGA: TOROIDAL ANGULAR VELOCITY (RAD/SEC)
OMEGA_NC: N.C. TOROIDAL ANGULAR VELOCITY (RAD/SEC)
OMEGB: BEAM ION AVG ANG.VELOCITY (RAD/SEC)
OMEGB_D: D BEAM ION AVG ANG.VELOCITY (RAD/SEC)
OMEGDATA: Toroidal Ang.Velocity Data (RAD/SEC)
...vs. XB:
OMEMMM1: MMM95 FREQUENCY MODE=1 (RAD/SEC)
OMEMMM2: MMM95 FREQUENCY MODE=2 (RAD/SEC)
OMGDRBM1: DRBM FREQUENCY MODE=1 (RAD/SEC)
OMGDRBM2: DRBM FREQUENCY MODE=2 (RAD/SEC)
OMGDRBM3: DRBM FREQUENCY MODE=3 (RAD/SEC)
...vs. X:
P0HALO: HALO NEUTRAL SCE POWER (WATTS/CM3)
P0NET: NET CHARGE EXCHANGE LOSS (WATTS/CM3)
PBCX: THERMAL ION LOSS, FAST ION CX (WATTS/CM3)
PBCX_D: THERMAL ION LOSS, CX W/ D BEAM (WATTS/CM3)
PBE: BEAM HEATING OF ELECTRONS (WATTS/CM3)
PBE01_E1: Pbe: Beam#01(D), E-frac no.1 (WATTS/CM3)
PBE01_E2: Pbe: Beam#01(D), E-frac no.2 (WATTS/CM3)
PBE01_E3: Pbe: Beam#01(D), E-frac no.3 (WATTS/CM3)
PBE01_TOT: Beam#01(D), electron heating (WATTS/CM3)
PBE02_E1: Pbe: Beam#02(D), E-frac no.1 (WATTS/CM3)
PBE02_E2: Pbe: Beam#02(D), E-frac no.2 (WATTS/CM3)
PBE02_E3: Pbe: Beam#02(D), E-frac no.3 (WATTS/CM3)
PBE02_TOT: Beam#02(D), electron heating (WATTS/CM3)
PBE03_E1: Pbe: Beam#03(D), E-frac no.1 (WATTS/CM3)
PBE03_E2: Pbe: Beam#03(D), E-frac no.2 (WATTS/CM3)
PBE03_E3: Pbe: Beam#03(D), E-frac no.3 (WATTS/CM3)
PBE03_TOT: Beam#03(D), electron heating (WATTS/CM3)
PBE04_E1: Pbe: Beam#04(D), E-frac no.1 (WATTS/CM3)
PBE04_E2: Pbe: Beam#04(D), E-frac no.2 (WATTS/CM3)
PBE04_E3: Pbe: Beam#04(D), E-frac no.3 (WATTS/CM3)
PBE04_TOT: Beam#04(D), electron heating (WATTS/CM3)
PBEPHI: Electrostatic field -> fast ions (WATTS/CM3)
PBE_D: D BEAM->ELECTRON HEATING (WATTS/CM3)
PBE_F1_D: Pbe: full energy D beam (WATTS/CM3)
PBE_F2_D: Pbe: half energy D beam (WATTS/CM3)
PBE_F3_D: Pbe: 1/3 energy D beam (WATTS/CM3)

PBI: BEAM HEATING OF IONS (WATTS/CM3)
PBI01_E1: Pbi: Beam#01(D), E-frac no.1 (WATTS/CM3)
PBI01_E2: Pbi: Beam#01(D), E-frac no.2 (WATTS/CM3)
PBI01_E3: Pbi: Beam#01(D), E-frac no.3 (WATTS/CM3)
PBI01_TOT: Beam#01(D), ion heating (WATTS/CM3)
PBI02_E1: Pbi: Beam#02(D), E-frac no.1 (WATTS/CM3)
PBI02_E2: Pbi: Beam#02(D), E-frac no.2 (WATTS/CM3)
PBI02_E3: Pbi: Beam#02(D), E-frac no.3 (WATTS/CM3)
PBI02_TOT: Beam#02(D), ion heating (WATTS/CM3)
PBI03_E1: Pbi: Beam#03(D), E-frac no.1 (WATTS/CM3)
PBI03_E2: Pbi: Beam#03(D), E-frac no.2 (WATTS/CM3)
PBI03_E3: Pbi: Beam#03(D), E-frac no.3 (WATTS/CM3)
PBI03_TOT: Beam#03(D), ion heating (WATTS/CM3)
PBI04_E1: Pbi: Beam#04(D), E-frac no.1 (WATTS/CM3)
PBI04_E2: Pbi: Beam#04(D), E-frac no.2 (WATTS/CM3)
PBI04_E3: Pbi: Beam#04(D), E-frac no.3 (WATTS/CM3)
PBI04_TOT: Beam#04(D), ion heating (WATTS/CM3)
PBI_D: D B->TH ION HEATING (WATTS/CM3)
PBI_F1_D: Pbi: full energy D beam (WATTS/CM3)
PBI_F2_D: Pbi: half energy D beam (WATTS/CM3)
PBI_F3_D: Pbi: 1/3 energy D beam (WATTS/CM3)
PBQLN_D: RF PWR -> D Beam: FPP QLO renorm (WATTS/CM3)
PBQSL_D: RF PWR -> D Beam: FPP q.l.op (WATTS/CM3)
PBTH: FAST ION THERMALIZATION POWER (WATTS/CM3)
PBTH01: Beam#01(D), thermalization power (WATTS/CM3)
PBTH02: Beam#02(D), thermalization power (WATTS/CM3)
PBTH03: Beam#03(D), thermalization power (WATTS/CM3)
PBTH04: Beam#04(D), thermalization power (WATTS/CM3)
PBTHA: BEAM WORK -> ROTATION (TH-ASSYM) (WATTS/CM3)
PBTH_D: D BEAM THERMALIZATION POWER (WATTS/CM3)
PBTOT01: Beam#01(D), total power (WATTS/CM3)
PBTOT02: Beam#02(D), total power (WATTS/CM3)
PBTOT03: Beam#03(D), total power (WATTS/CM3)
PBTOT04: Beam#04(D), total power (WATTS/CM3)
PBWAV_D: RF Pwr -> D Beam: Wave Depo (WATTS/CM3)
PCHK: P: Surf. Avg. Grad-Shaf Check (PASCALS)
PCMPE: ELECTRON COMPRESSION (WATTS/CM3)
PCMPI: ION COMPRESSION (WATTS/CM3)
PCNDE: ELECTRON CONDUCTION LOSS (WATTS/CM3)
PCNVE: ELECTRON CONVECTION LOSS (WATTS/CM3)
PCOND: ION CONDUCTION LOSS (WATTS/CM3)
PCONV: ION CONVECTION LOSS (WATTS/CM3)
PCPRB: POWER: COMPRESSION OF FAST IONS (WATTS/CM3)
PCX: CHARGE EXCHANGE LOSS (WATTS/CM3)
PCXGF_D: CX POWER to D gas NEUTRALS (WATTS/CM3)
PCXGF_L: CX POWER to Li gas NEUTRALS (WATTS/CM3)
PCXHALO: CX POWER TO HALO NEUTRALS (WATTS/CM3)
PCXRC_D: CX POWER to D recyc NEUTRALS (WATTS/CM3)
PCXRC_L: CX POWER to Li recyc NEUTRALS (WATTS/CM3)
PCXSGF: CX POWER to gas flow NEUTRALS (WATTS/CM3)
PCXSRC: CX POWER to recyling NEUTRALS (WATTS/CM3)

PCX_HALO: beam halo driven cx power (WATTS/CM3)
PDATA: P profile (Ufile data) (PASCALS)
PEECH: ECRH ELECTRON HEATING (WATTS/CM3)
PEECH1: ECRH ELEC HEATING (GYROTRON 1) (WATTS/CM3)
PEICH: ICRF ELECTRON HEATING (WATTS/CM3)
PELH: LH ELECTRON HEATING (WATTS/CM3)
PFLX0GF_D: D DIV(gas flow POWER FLUX) (WATTS/CM3)
PFLX0GF_L: Li DIV(gas flow POWER FLUX) (WATTS/CM3)
PFLX0HALO: DIV(HALO NEUTRAL POWER FLUX) (WATTS/CM3)
PFLX0RC_D: D DIV(recyc POWER FLUX) (WATTS/CM3)
PFLX0RC_L: Li DIV(recyc POWER FLUX) (WATTS/CM3)
PFLX0SGF: DIV(gas flow NEUTRAL POWER FLUX) (WATTS/CM3)
PFLX0SRC: DIV(recyling NEUTRAL POWER FLUX) (WATTS/CM3)
PHBAL: ANGULAR MOMENTUM BALANCE (Nt-M/CM3)
PICF01N01: ICRF PWR, Nphi= 33, FREQ#1 (WATTS/CM3)
PICF02N01: ICRF PWR, Nphi= -7, FREQ#2 (WATTS/CM3)
PICF02N02: ICRF PWR, Nphi= 14, FREQ#2 (WATTS/CM3)
PIC_F1: RF PWR Absorbed, Freq.1 (WATTS/CM3)
PIC_F2: RF PWR Absorbed, Freq.2 (WATTS/CM3)
...vs. XGRID_NPHI:
PIC_NPHI: Summed ICRF Power Spectrum (WATTS)
...vs. X:
PIGF_D: D gas flow ionization POWER (WATTS/CM3)
PIGF_L: Li gas flow ionization POWER (WATTS/CM3)
PIHALO: HALO NEUTRAL RECAPTURE POWER (WATTS/CM3)
PIICH: ICRF ION HEATING (WATTS/CM3)
PILH: LH ION HEATING (WATTS/CM3)
PION: NEUTRAL IONIZATION WORK (WATTS/CM3)
PIRC_D: D recyc ionization POWER (WATTS/CM3)
PIRC_L: Li recyc ionization POWER (WATTS/CM3)
PISGF: gas fl neutral ionization POWER (WATTS/CM3)
PISRC: recyc neutral ionization POWER (WATTS/CM3)
PLABD: PELLET ABLATION (DATA) (N/CM**3)
...vs. XB:
PLCURPLL: POLOIDAL CUR (J PLL) (AMPS)
PLCURPRP: POLOIDAL CUR (J PERP) (AMPS)
PLCURTOT: TOTAL POLOIDAL CUR TO WALL (AMPS)
...vs. X:
PLEB: <E.B> FLUX SURFACE VOL.AVG (VOLT*TESLA/CM)
...vs. XB:
PLFLX: POLOIDAL FLUX (Wb/rad)
PLFLX2PI: TOTAL POLOIDAL FLUX (WEBERS)
...vs. RMAJM:
PLFMP: POLOIDAL FLUX (Wb/rad)
...vs. X:
PLJB: <J.B> FLUX SURFACE VOL.AVG (AMP*TESLA/CM2)
PLJBBGPI: <J.B>/<B.grad(phi)> (AMPS/CM)
PLJBOH: <J.B> OHMIC (AMP*TESLA/CM2)
PLJBSNC: <J.B> NCLASS Bootstrap (AMP*TESLA/CM2)
PLJBXT: <J.B> DRIVEN (SMOOTHED, USED) (AMP*TESLA/CM2)
PLJBXTR: <J.B> DRIVEN, FROM RESISTIVITY (AMP*TESLA/CM2)

PLJBXTU: <J.B> DRIVEN (UNSMOOTHED) (AMP*TESLA/CM2)
PMASS: PLASMA MASS DENSITY (GRAMS/CM3)
PMHDF_IN: NONTHERMAL PRESS to MHD SOLVER (PASCALS)
PMHDR_IN: ROTATION PRESSURE to MHD SOLVER (PASCALS)
PMHDT_IN: THERMAL PRESSURE to MHD SOLVER (PASCALS)
PMHD_IN: PRESSURE INPUT to MHD SOLVER (PASCALS)
PNI: NEUTRAL IONIZATION SOURCE (WATTS/CM3)
POH: OHMIC HEATING POWER (WATTS/CM3)
POHB: POWER: OH CIRCUIT TO FAST IONS (WATTS/CM3)
PPHI: ANGULAR MOMENTUM DENSITY (NtM-S/CM3)
PPHIGN_D: D NCLASS Ang Mom Dens (NtM-S/CM3)
PPHIGN_LI: Li NCLASS Ang Mom Dens (NtM-S/CM3)
PPHIGN_X: Impurity NCLASS Ang Mom Dens (NtM-S/CM3)
PPHIN: NCLASS Ang Mom Dens (NtM-S/CM3)
PPLAS: PLASMA PRESSURE (PASCALS)
PQLNORM_H: RF PWR->H Min.i: FPP QLO renorm (WATTS/CM3)
PQSLMIN_H: RF PWR->H Minority: FPP q.l.op (WATTS/CM3)
PRAD: NET RADIATED POWER USED (WATTS/CM3)
PRAD0: RADIATION: BOLO DATA (WATTS/CM3)
PRADC: NET RADIATED POWER (THEORY) (WATTS/CM3)
PRADS_TOK: TOK Impurity Radiation (WATTS/CM3)
PRAD_ADJ: RADIATION: BOLO DATA ADJUSTED (WATTS/CM3)
PRAD_BR: BREMSSTRAHLUNG RADIATION (WATTS/CM3)
PRAD_CY: CYCLOTRON RADIATION (WATTS/CM3)
PRAD_LI: LINE RADIATION (WATTS/CM3)
PRBS_TOK: TOK Impurity Brem Radiation (WATTS/CM3)
PRBX_SINGL: SINGL Impurity Brem Radiation (WATTS/CM3)
PRLS_TOK: TOK Impurity Line Radiation (WATTS/CM3)
PRLX_SINGL: SINGL Impurity Line Radiation (WATTS/CM3)
...vs. RMJSYM:
PRS_IN: PRS data as input (Pascals)
PRS_USE: PRS data as used (Pascals)
...vs. X:
PRX_SINGL: SINGL Impurity Radiation (WATTS/CM3)
PSC_HALO: beam halo source/sink power (WATTS/CM3)
PSFM1: NC Pfirsch-Schluter 1 moment (CM**-2)
PSFM10: NC Pfirsch-Schluter 10 moment (CM**-2)
PSFM11: NC Pfirsch-Schluter 11 moment (CM**-2)
PSFM12: NC Pfirsch-Schluter 12 moment (CM**-2)
PSFM13: NC Pfirsch-Schluter 13 moment (CM**-2)
PSFM14: NC Pfirsch-Schluter 14 moment (CM**-2)
PSFM15: NC Pfirsch-Schluter 15 moment (CM**-2)
PSFM16: NC Pfirsch-Schluter 16 moment (CM**-2)
PSFM2: NC Pfirsch-Schluter 2 moment (CM**-2)
PSFM3: NC Pfirsch-Schluter 3 moment (CM**-2)
PSFM4: NC Pfirsch-Schluter 4 moment (CM**-2)
PSFM5: NC Pfirsch-Schluter 5 moment (CM**-2)
PSFM6: NC Pfirsch-Schluter 6 moment (CM**-2)
PSFM7: NC Pfirsch-Schluter 7 moment (CM**-2)
PSFM8: NC Pfirsch-Schluter 8 moment (CM**-2)
PSFM9: NC Pfirsch-Schluter 9 moment (CM**-2)

PTMIN: MINORITY TRANSPORT (WATTS/CM3)
PTOWB: KINETIC MHD PRESSURE W/FAST IONS (PASCALS)
PTRD_MOD: Div(D ion flux) (model) (N/CM3/SEC)
PTRD_OBS: Div(D ion flux) (observed) (N/CM3/SEC)
PTRLI_MOD: Div(Li ion flux) (model) (N/CM3/SEC)
PTRLI_OBS: Div(Li ion flux) (observed) (N/CM3/SEC)
PWAVMIN_H: RF Pwr->H Minority: Wave Depo (WATTS/CM3)
...vs. XB:
Q: Q PROFILE ()
QCHK: MHD EQUILIBRIUM Q CHECK ()
QDATA: Q profile (Ufile data) ()
...vs. X:
QFLNCC_D: div(NC class heat flux) D+ (WATTS/CM3)
QFLNCC_E: div(NC class heat flux) electr (WATTS/CM3)
QFLNCC_I: div(NC class heat flux) thermals (WATTS/CM3)
QFLNCC_L: div(NC class heat flux) Li (WATTS/CM3)
QFLNCC_X: div(NC class heat flux) impurity (WATTS/CM3)
QFLNC_D: div(NC heat flux) thermal D+ (WATTS/CM3)
QFLNC_E: div(NC heat flux) electrons (WATTS/CM3)
QFLNC_I: div(NC heat flux) thermal ions (WATTS/CM3)
QFLNC_L: div(NC heat flux) thermal Li (WATTS/CM3)
QFLNC_X: div(NC heat flux) impurity (WATTS/CM3)
QICHA: TOTAL ICH HEATING (WATTS/CM3)
QICHE: ICH DIRECT ELECTRON HEATING (WATTS/CM3)
QICHFAST: ICH Heating of Beam & Fusn Ions (WATTS/CM3)
QICHI: ICH DIRECT TH.ION HEATING (WATTS/CM3)
QICHMC: ICH HEATING BY MODE CONVERSION (WATTS/CM3)
QICHMIN: ICH PWR TO MINORITY (wave code) (WATTS/CM3)
QIE: ION-ELECTRON COUPLING (WATTS/CM3)
QIESLVTX: ION-ELECTRON COUPLING(SLVTX) (WATTS/CM3)
QMINBAL: Minority Power Balance (WATTS/CM3)
QMINDOT: D/DT(MINORITY ION ENERGY) (WATTS/CM3)
QMINE: POWER MIN.IONS->ELECTRONS (WATTS/CM3)
QMINFISH: Minority ion fishbone loss (WATTS/CM3)
QMINI: POWER MIN.IONS->TH.IONS (WATTS/CM3)
QMINICH: ICRH Power (Renormalized QLO) (WATTS/CM3)
QMINOH: POWER OH->MIN.IONS (WATTS/CM3)
QMINORB: ORBIT LOSS OF MINORITY IONS (WATTS/CM3)
QMINPSC: MIN.IONS Ptcl Source/Sink (WATTS/CM3)
QMINTRAN: Min.ions transport (del.flux) (WATTS/CM3)
QMINWJXB: JxB omega*Torque work done (WATTS/CM3)
...vs. RMAJM:
QMP: ROTATIONAL TRANSFORM ()
...vs. RMJSYM:
QPR_IN: QPR data as input ()
QPR_USE: QPR data as used ()
...vs. X:
QRFBTOT: ALL FAST ION HEATING by RF (WATTS/CM3)
QROT: E(ROT)=> ION HEAT: CONV+FRICTION (WATTS/CM3)
QROTC: E(ROT)=>ION HEATING: CONVECTIVE (WATTS/CM3)
QROTF: E(ROT)=>ION HEATING: FRICTION (WATTS/CM3)

...vs. XB:
RBOUN: RADIUS (CM)
...vs. X:
RCMPR: ROTATION COMPRESSION (WATTS/CM3)
RCONV: CONVECTIVE ROT.ENERGY LOSS (WATTS/CM3)
...vs. ILIM:
RLIM: LIMITER R PTS (CM)
...vs. RLPAR:
RLPAR: PARALLEL REFRACTION INDEX ()
RLPOW: LH POWER SPECTRUM ()
...vs. XB:
RLTCRGKF: R/LTi: critical ITG main br. ()
RLTCRGKZ: R/LTi: critical ITG Carbon br. ()
RLTI: R/LTi: actual ITG:R*Grad(Ti)/Ti ()
...vs. RMAJM:
RMAJM: MIDPLANE-FLUX SURFACE RADII (CM)
...vs. XB:
RMC00: 0TH ASYM R MOMENT (CM)
RMC01: 1st ASYM R COS MOMENT (CM)
RMC02: 2nd ASYM R COS MOMENT (CM)
RMC03: 3rd ASYM R COS MOMENT (CM)
RMC04: 4th ASYM R COS MOMENT (CM)
RMC05: 5th ASYM R COS MOMENT (CM)
RMC06: 6th ASYM R COS MOMENT (CM)
RMC07: 7th ASYM R COS MOMENT (CM)
RMC08: 8th ASYM R COS MOMENT (CM)
RMC09: 9th ASYM R COS MOMENT (CM)
RMC10: 10th ASYM R COS MOMENT (CM)
RMC11: 11th ASYM R COS MOMENT (CM)
RMC12: 12th ASYM R COS MOMENT (CM)
RMC13: 13th ASYM R COS MOMENT (CM)
RMC14: 14th ASYM R COS MOMENT (CM)
RMC15: 15th ASYM R COS MOMENT (CM)
RMC16: 16th ASYM R COS MOMENT (CM)
RMJMP: FLUX SURFACE CTRS (CM)
...vs. RMJSYM:
RMJSYM: MAJOR RADII (DATA MAPPING) (CM)
...vs. XB:
RMNMP: MIDPLANE RADII (CM)
RMS01: 1st ASYM R SIN MOMENT (CM)
RMS02: 2nd ASYM R SIN MOMENT (CM)
RMS03: 3rd ASYM R SIN MOMENT (CM)
RMS04: 4th ASYM R SIN MOMENT (CM)
RMS05: 5th ASYM R SIN MOMENT (CM)
RMS06: 6th ASYM R SIN MOMENT (CM)
RMS07: 7th ASYM R SIN MOMENT (CM)
RMS08: 8th ASYM R SIN MOMENT (CM)
RMS09: 9th ASYM R SIN MOMENT (CM)
RMS10: 10th ASYM R SIN MOMENT (CM)
RMS11: 11th ASYM R SIN MOMENT (CM)
RMS12: 12th ASYM R SIN MOMENT (CM)

RMS13: 13th ASYM R SIN MOMENT (CM)
RMS14: 14th ASYM R SIN MOMENT (CM)
RMS15: 15th ASYM R SIN MOMENT (CM)
RMS16: 16th ASYM R SIN MOMENT (CM)
...vs. X:
RODOT: ROTATIONAL ENERGY GAIN (WATTS/CM3)
RQBCO: BEAM WORK -> ROTATION (COL.) (WATTS/CM3)
RQBE: BEAM WORK -> ELECTRON ROTATION (WATTS/CM3)
RQBI: BEAM WORK -> ION ROTATION (WATTS/CM3)
RQBTH: BEAM WORK -> ROTATION (THRMALIZ) (WATTS/CM3)
RQJXB: BEAM WORK -> ROTATION (JXB) (WATTS/CM3)
RQOHB: WORK: OH->BEAM, ROTATION (WATTS/CM3)
RQRPL: BEAM WORK -> ROTATION RPL (JXB) (WATTS/CM3)
RSFRC: ROTATION SOURCE FRICTION (WATTS/CM3)
RSNBI_D_D: D_0 ii sink by D beam ions (1/sec)
RSNBI_L_D: Li_0 ii sink by D beam ions (1/sec)
RSNBX_D_D: D_0 cx sink by D beam ions (1/sec)
RSNBX_L_D: Li_0 cx sink by D beam ions (1/sec)
RVISC: VISCOUS ROT.ENERGY LOSS (WATTS/CM3)
RZON: RADIUS (CM)
...vs. X:
S0HALO: TOTAL (e-) in HALO NEUTRAL SCE (N/CM3/SEC)
S0VLE: TOTAL NEUTRAL VOL SCE (WATTS/CM3)
S0VOL: TOTAL NEUTRAL VOL E-SCE (N/CM3/SEC)
SB0ID: D0 NEUTRAL SINK BEAM II (N/CM3/SEC)
SB0ILITH: LITH NEUTRAL SINK BEAM II (N/CM3/SEC)
SB0XD: D0 NEUTRAL SINK BEAM CX (N/CM3/SEC)
SB0XLITH: LITH NEUTRAL SINK BEAM CX (N/CM3/SEC)
SBAL_D: D PTCL BALANCE (N/CM3/SEC)
SBAL_ION: Total Ion Particle Balance (N/CM3/SEC)
SBAL_LI: Li PTCL BALANCE (N/CM3/SEC)
SBCX0: FAST ION CX: NEUTRALS BORN (N/CM3/SEC)
SBCX0_D: D BEAM CX: NEUTRALS BORN (N/CM3/SEC)
SBCXD: D_0 NEUTRAL SOURCE BEAM HALO (N/CM3/SEC)
SBCXLI: Li_0 NEUTRAL SOURCE BEAM HALO (N/CM3/SEC)
SBE: ELECTRON SCE FAST ION DEPOSITION (N/CM3/SEC)
SBE_D: ELECTRON SCE D BEAM DEPOSITION (N/CM3/SEC)
SBHD: D+ ION SCE DUE TO BEAM (N/CM3/SEC)
SBLITH: LITH ION SCE DUE TO BEAM (N/CM3/SEC)
SBTH: FAST ION THERMALIZATION SOURCE (N/CM3/SEC)
SBTH_D: D BEAM THERMALIZATION SOURCE (N/CM3/SEC)
SBTOT: TOTAL ION SCE(BEAM + HALO) (N/CM3/SEC)
SBXRB: FAST ION CX: BEAM-BEAM RECAPTURE (N/CM3/SEC)
SBXRB_D: D BEAM CX: RECAPTURE: BEAM-BEAM (N/CM3/SEC)
SBXRD: BEAM CX: RECAPTURE BY CX W/D+ (N/CM3/SEC)
SBXRD_D: D BEAM CX: RECAPTURE BY CX W/D+ (N/CM3/SEC)
SBXRLITH: BEAM CX: RECAPTURE, CX W/LI++ (N/CM3/SEC)
SBXR_E_D: D B RECAP by ioniz: electrons (N/CM3/SEC)
SBXR_IE: FAST ION RECAPTURE on electrons (N/CM3/SEC)
SBXR_II: FAST ION RECAPTURE on th.ions (N/CM3/SEC)
SBXR_IZ: FAST ION RECAPTURE on impurities (N/CM3/SEC)

SBXR_I_D: D B RECAP by ioniz: th.ions (N/CM3/SEC)
SBXR_Z_D: D B RECAP by ioniz: impurities (N/CM3/SEC)
SCEE: ELECTRON SOURCE (TH.NEUTRALS) (N/CM3/SEC)
SCEV: ELECTRON SCE (VOL. NEUTRALS) (N/CM3/SEC)
SCEW: ELECTRON SCE (WALL NEUTRALS) (N/CM3/SEC)
SCEZ: ELECTRON SCE (Impurity Ioniz.) (N/CM3/SEC)
SCIMP: IMPURITY SOURCE (N/CM3/SEC)
SDBBI: BEAM DEPOSITION: BEAM-BEAM II (N/CM3/SEC)
SDBBI_D: D BEAM DEPOSITION: BEAM-BEAM II (N/CM3/SEC)
SDBBI_D1: Full E D BEAM DEP: BEAM-BEAM II (N/CM3/SEC)
SDBBI_D2: Half E D BEAM DEP: BEAM-BEAM II (N/CM3/SEC)
SDBBI_D3: 1/3 E D BEAM DEP: BEAM-BEAM II (N/CM3/SEC)
SDBBX: BEAM DEPOSITION: BEAM-BEAM CX (N/CM3/SEC)
SDBBX_D: D BEAM DEPOSITION: BEAM-BEAM CX (N/CM3/SEC)
SDBBX_D1: Full E D BEAM DEP: BEAM-BEAM CX (N/CM3/SEC)
SDBBX_D2: Half E D BEAM DEP: BEAM-BEAM CX (N/CM3/SEC)
SDBBX_D3: 1/3 E D BEAM DEP: BEAM-BEAM CX (N/CM3/SEC)
SDBIE_D: D BEAM DEP: IONIZ. on electrons (N/CM3/SEC)
SDBIE_D1: Full E D BEAM DEP: II on (e-) (N/CM3/SEC)
SDBIE_D2: Half E D BEAM DEP: II on (e-) (N/CM3/SEC)
SDBIE_D3: 1/3 E D BEAM DEP: II on (e-) (N/CM3/SEC)
SDBII_D: D BEAM DEP: IONIZ. on therm.ions (N/CM3/SEC)
SDBII_D1: Full E D BEAM DEP: II on th.ions (N/CM3/SEC)
SDBII_D2: Half E D BEAM DEP: II on th.ions (N/CM3/SEC)
SDBII_D3: 1/3 E D BEAM DEP: II on th.ions (N/CM3/SEC)
SDBIZ_D: D BEAM DEP: IONIZ. on impurities (N/CM3/SEC)
SDBIZ_D1: Full E D BEAM DEP: IONIZ. on imp (N/CM3/SEC)
SDBIZ_D2: Half E D BEAM DEP: IONIZ. on imp (N/CM3/SEC)
SDBIZ_D3: 1/3 E D BEAM DEP: IONIZ. on imp (N/CM3/SEC)
SDB_IE: BEAM DEP: ioniz. on electrons (N/CM3/SEC)
SDB_II: BEAM DEP: ioniz. on therm. ions (N/CM3/SEC)
SDB_IZ: BEAM DEP: ioniz. on impurities (N/CM3/SEC)
SDCXD: BEAM DEPOSITION: CX W/D+ IONS (N/CM3/SEC)
SDCXD_D: D BEAM DEPOSITION: CX W/D+ IONS (N/CM3/SEC)
SDCXD_D1: Full E D BEAM DEP: CX W/D+ IONS (N/CM3/SEC)
SDCXD_D2: Half E D BEAM DEP: CX W/D+ IONS (N/CM3/SEC)
SDCXD_D3: 1/3 E D BEAM DEP: CX W/D+ IONS (N/CM3/SEC)
SDCXLITH: BEAM DEPOSITION: CX W/LI IONS (N/CM3/SEC)
SDEP_D: D BEAM ORBIT AV DEP (TOTAL) (N/CM3/SEC)
SEGF_D: D gas flow electron source (N/CM3/SEC)
SEGF_L: Li gas flow electron source (N/CM3/SEC)
SEHALO: (e-) RECAP in HALO ION SCEs (N/CM3/SEC)
SERC_D: D recyc electron source (N/CM3/SEC)
SERC_L: Li recyc electron source (N/CM3/SEC)
SERUN: RUNAWAY ELEC SOURCE RATE (N/CM3/SEC)
SESGF: gas flow electron source (N/CM3/SEC)
SESRC: recycling electron source (N/CM3/SEC)
SFCXGF_D: D gas (e-)=> FAST ION CX (N/CM3/SEC)
SFCXGF_L: Li gas (e-)=> FAST ION CX (N/CM3/SEC)
SFCXHALO: HALO NEUTRALS (e-)=> FAST ION CX (N/CM3/SEC)
SFCXRC_D: D recyc (e-)=> FAST ION CX (N/CM3/SEC)

SFCXRC_L: Li recyc (e-)=> FAST ION CX (N/CM3/SEC)
SFCXSGF: gas flow (e-)=> FAST ION CX (N/CM3/SEC)
SFCXSRC: recyling (e-)=> FAST ION CX (N/CM3/SEC)
SFETO: ELECTRONS -> FAST NEUTRALS (N/CM3/SEC)
SHAT: Magnetic shear (r/q)*(dq/dr) ()
SIGF_D_D: D ion sce from D gas flow (N/CM3/SEC)
SIGF_D_L: D ion sce from Li gas flow (N/CM3/SEC)
SIGF_L_D: Li ion sce from D gas flow (N/CM3/SEC)
SIGF_L_L: Li ion sce from Li gas flow (N/CM3/SEC)
SIHALO_D: BEAM HALO RECAP ION SCE G=D (N/CM3/SEC)
SIHALO_LI: BEAM HALO RECAP ION SCE G=Li (N/CM3/SEC)
SIRC_D_D: D ion sce from D recyc (N/CM3/SEC)
SIRC_D_L: D ion sce from Li recyc (N/CM3/SEC)
SIRC_L_D: Li ion sce from D recyc (N/CM3/SEC)
SIRC_L_L: Li ion sce from Li recyc (N/CM3/SEC)
SISGF_D: gas flow ION SCE G=D (N/CM3/SEC)
SISGF_LI: gas flow ION SCE G=Li (N/CM3/SEC)
SISRC_D: recycling ION SCE G=D (N/CM3/SEC)
SISRC_LI: recycling ION SCE G=Li (N/CM3/SEC)
SMINBAL: Minority Particle Balance (N/CM3/SEC)
SMINDOT: D/DT(MINORITY ION population) (N/CM3/SEC)
SMINFISH: Minority ion fishbone loss (N/CM3/SEC)
SMINORB: ORBIT LOSS OF MINORITY IONS (N/CM3/SEC)
SMINPSC: MIN.IONS Ptcl Source/Sink (N/CM3/SEC)
SMINTRAN: Min.ions transport (del.flux) (N/CM3/SEC)
SNCXMC_D: MC CX sink rate beam D,orbit (N/CM3/SEC)
SNCX_D: CX sink rate beam D (N/CM3/SEC)
...vs. XB:
SQUARE_LO: Flux surf lower outer squareness ()
SQUARE_UO: Flux surf upper outer squareness ()
...vs. X:
SQZD_NC: NC D+ orbit squeezing ()
SQZE_NC: NC electron orbit squeezing ()
SQZLI_NC: NC Li ion orbit squeezing ()
SQZX_NC: NC impurity orbit squeezing ()
...vs. XB:
SREXBA: ExB Shear Rate (selected) (RAD/SEC)
SREXBGRP: ExB Shear Rate (dp/dr) (RAD/SEC)
SREXBMOD: ExB Shear Rate (transport model) (RAD/SEC)
SREXBPHI: ExB Shear Rate (V_tor) (RAD/SEC)
SREXBTHT: ExB Shear Rate (V_phi) (RAD/SEC)
SREXBV1: ExB Shear Rate (exbshear.f90) (RAD/SEC)
SREXBV2: ExB Shear Rate (exbshear2.f90) (RAD/SEC)
...vs. RMAJM:
SREXB_NC: ExB shear rate from nclass (RAD/SEC)
...vs. XB:
SREXB_NCL: ExB shear rate (nclass,R>R_axis) (RAD/SEC)
SSHAF: SHAFRANOV SHIFT (CM)
SSHAFDA: SHAFRANOV SHIFT (MHD DATA) (CM)
SURF: FLUX SURFACE AREA (CM**2)
...vs. X:

SVD: TOT ION SCE BEAM+HALO D+ (N/CM3/SEC)
SVLITH: TOT ION SCE BEAM+HALO LI+++ (N/CM3/SEC)
SWD: TOT ION SCE WALL D+ (N/CM3/SEC)
SWLITH: TOT ION SCE WALL LI+++ (N/CM3/SEC)
SWTOT: TOTAL ION SCE(WALL NEUTRALS) (N/CM3/SEC)
...vs. X:
T0BH_D: beam halo neutral temp G=D (EV)
T0BH_LI: beam halo neutral temp G=Li (EV)
T0CX_GFD: CX NEUTRAL TEMP. gas flow D (EV)
T0CX_GFL: CX NEUTRAL TEMP. gas flow Li (EV)
T0CX_RCD: CX NEUTRAL TEMP. recyc. D (EV)
T0CX_RCL: CX NEUTRAL TEMP. recyc. Li (EV)
T0GF_D_D: D T0 due to D gas flow (EV)
T0GF_D_L: D T0 due to Li gas flow (EV)
T0GF_L_D: Li T0 due to D gas flow (EV)
T0GF_L_L: Li T0 due to Li gas flow (EV)
T0RC_D_D: D T0 due to D recyc (EV)
T0RC_D_L: D T0 due to Li recyc (EV)
T0RC_L_D: Li T0 due to D recyc (EV)
T0RC_L_L: Li T0 due to Li recyc (EV)
T0VD: VOL NEUTRAL TEMP G=D (EV)
T0VLITH: VOL NEUTRAL TEMP G=LITH (EV)
T0WD: WALL NEUTRAL TEMP G=D (EV)
T0WLITH: WALL NEUTRAL TEMP G=LITH (EV)
...vs. XB:
TAPWE: ELECTRON TAU(P) WARE CORRECTION (SECONDS)
TAUE: PLASMA ENERGY CONFINEMENT (SECONDS)
TAUES: PLASMA ENERGY CONFINEMENT (*) (SECONDS)
TAUPD: D+ ION PTCL CONFINEMENT (SECONDS)
TAUPE: ELECTRON PTCL CONFINEMNT (SECONDS)
TAUPHI: MOMENTUM CONFINEMENT (SECONDS)
TAUPI: ION PTCL CONFINEMENT (SECONDS)
TAUPLITH: LITH+++ ION PTCL CONFINEMENT (SECONDS)
...vs. X:
TE: ELECTRON TEMPERATURE (EV)
TEBAL: ELECTRON POWER BALANCE (WATTS/CM3)
...vs. XB:
TEE: ELECTRON ENERGY CONFINEMENT (SECONDS)
TEEST: ELECTRON ENERGY CONFINEMENT (*) (SECONDS)
TEI: ION ENERGY CONFINEMENT (SECONDS)
TEIST: ION ENERGY CONFINEMENT (*) (SECONDS)
...vs. RMJSYM:
TER_IN: TER data as input (eV)
TER_USE: TER data as used (eV)
...vs. XB:
THDIG: MMM95 ION DIFF (WEILAND) (CM**2/SEC)
THDKB: MMM95 ION DIFF (KB) (CM**2/SEC)
THDRB: MMM95 ION DIFF (RB) (CM**2/SEC)
THEIG: MMM95 ELEC THER DIFF (WEILAND) (CM**2/SEC)
THEKB: MMM95 ELEC THER DIFF (KB) (CM**2/SEC)
THERB: MMM95 ELEC THER DIFF (RB) (CM**2/SEC)

...vs. THETA:
THETA: POL. ANGLE (RADIANS)
...vs. XB:
THIIG: MMM95 ION THER DIFF (WEILAND) (CM**2/SEC)
THIKB: MMM95 ION THER DIFF (KB) (CM**2/SEC)
THIRB: MMM95 ION THER DIFF (RB) (CM**2/SEC)
...vs. X:
THNTX: THERMONUCLEAR NEUTRONS (N/CM3/SEC)
THNTX_DD: DD THERMONUCLEAR NEUTRONS (N/CM3/SEC)
...vs. XB:
THZIG: MMM95 IMP DIFF (WEILAND) (CM**2/SEC)
THZKB: MMM95 IMP DIFF (KB) (CM**2/SEC)
THZRB: MMM95 IMP DIFF (RB) (CM**2/SEC)
...vs. X:
TI: ION TEMPERATURE (EV)
...vs. RMJSYM:
TI2_IN: TI2 data as input (eV)
TI2_USE: TI2 data as used (eV)
...vs. X:
TIAV: TIavg=(nx*TX+nmj*TMJ)/(nx+nmj) (EV)
TIBAL: ION POWER BALANCE (WATTS/CM3)
TIMTX: TI-TX (UNSMOOTHED) (EV)
TIMTXSM: TI-TX (SMOOTHED) (EV)
TINC: NCLASS Ti (smoothed) (EV)
TIPRO: MEASURED TI PROFILE (EV)
TMINI_H: H ICRF MINORITY 2/3<E> (EV)
TMJ: H/HE MAJORITY TEMPERATURE (EV)
TMJNC: NCLASS majority Ti (smoothed) (EV)
TMJSM: H/HE MAJORITY TEMP(SMOOTHED) (EV)
TPA1A_D: D FULL E TAU(SCATTERING,CO) (SECONDS)
TPA1B_D: D FULL E TAU(SCATTERING,CTR) (SECONDS)
TPA2A_D: D HALF E TAU(SCATTERING,CO) (SECONDS)
TPA2B_D: D HALF E TAU(SCATTERING,CTR) (SECONDS)
TPA3A_D: D 1/3 E TAU(SCATTERING,CO) (SECONDS)
TPA3B_D: D 1/3 E TAU(SCATTERING,CTR) (SECONDS)
TQ0FL: DIV(neutral ANG.MOMENTUM FLUX) (Nt-M/CM3)
TQ0FLGF_D: D DIV(gas flow ANG.MO. FLUX) (Nt-M/CM3)
TQ0FLGF_L: Li DIV(gas flow ANG.MO. FLUX) (Nt-M/CM3)
TQ0FLHALO: DIV(HALO NEUTRAL ANG.MO. FLUX) (Nt-M/CM3)
TQ0FLRC_D: D DIV(recyc ANG.MO. FLUX) (Nt-M/CM3)
TQ0FLRC_L: Li DIV(recyc ANG.MO. FLUX) (Nt-M/CM3)
TQ0FLSGF: DIV(gas fl NEUTRAL ANG.MO. FLUX) (Nt-M/CM3)
TQ0FLSRC: DIV(recyc NEUTRAL ANG.MO. FLUX) (Nt-M/CM3)
TQ0HALO: HALO NEUTRAL SCE TORQUE (Nt-M/CM3)
TQ0VL: NEUTRAL VOL SCE TORQUE (Nt-M/CM3)
TQBA0: NEUTRAL TORQUE BALANCE (Nt-M/CM3)
TQBA0_GF_D: D gas flow ANG.MO. BALANCE (Nt-M/CM3)
TQBA0_GF_L: Li gas flow ANG.MO. BALANCE (Nt-M/CM3)
TQBA0_HALO: HALO NEUTRAL ANG.MO. BALANCE (Nt-M/CM3)
TQBA0_RC_D: D recyc ANG.MO. BALANCE (Nt-M/CM3)
TQBA0_RC_L: Li recyc ANG.MO. BALANCE (Nt-M/CM3)

TQBA0_SGF: gas flow NEUTRAL ANG.MO. BALANCE (Nt-M/CM3)
TQBA0_SRC: recyling NEUTRAL ANG.MO. BALANCE (Nt-M/CM3)
TQBCO: BEAM COLLISIONAL TORQUE (Nt-M/CM3)
TQBCO_D: D BEAM COLLISIONAL TORQUE (Nt-M/CM3)
TQBCX: BEAM CX ANTI-TORQUE (Nt-M/CM3)
TQBE: BEAM TORQUE TO ELECTRONS (Nt-M/CM3)
TQBI: BEAM TORQUE TO IONS (Nt-M/CM3)
TQBTH: BEAM THERMALIZATION TORQUE (Nt-M/CM3)
TQCOL01: Beam#01(D) collisional torque (Nt-M/CM3)
TQCOL02: Beam#02(D) collisional torque (Nt-M/CM3)
TQCOL03: Beam#03(D) collisional torque (Nt-M/CM3)
TQCOL04: Beam#04(D) collisional torque (Nt-M/CM3)
TQCX: CHARGE EXCHANGE TORQUE (Nt-M/CM3)
TQCXGF_D: CX TORQUE TO D gas NEUTRALS (Nt-M/CM3)
TQCXGF_L: CX TORQUE TO Li gas NEUTRALS (Nt-M/CM3)
TQCXHALO: CX TORQUE TO HALO NEUTRALS (Nt-M/CM3)
TQCXRC_D: CX TORQUE TO D recyc NEUTRALS (Nt-M/CM3)
TQCXRC_L: CX TORQUE TO Li recyc NEUTRALS (Nt-M/CM3)
TQCXSGF: CX TORQUE TO gas flow NEUTRALS (Nt-M/CM3)
TQCXSRC: CX TORQUE TO recyling NEUTRALS (Nt-M/CM3)
TQCX_HALO: beam halo driven cx torque (Nt-M/CM3)
TQICHMIN: ICH Torque TO MINORITY IONS (Nt-M/CM3)
TQIGF_D: D gas flow ionization TORQUE (Nt-M/CM3)
TQIGF_L: Li gas flow ionization TORQUE (Nt-M/CM3)
TQIHALO: HALO NEUTRAL RECAPTURE TORQUE (Nt-M/CM3)
TQIN: TOTAL INPUT TORQUE (Nt-M/CM3)
TQIRC_D: D recyc ionization TORQUE (Nt-M/CM3)
TQIRC_L: Li recyc ionization TORQUE (Nt-M/CM3)
TQISGF: gas fl NEUTRAL ionization TORQUE (Nt-M/CM3)
TQISRC: recyc NEUTRAL ionization TORQUE (Nt-M/CM3)
TQIZ: IONIZATION TORQUE (Nt-M/CM3)
TQJB01: Beam#01(D) JxB torque (Nt-M/CM3)
TQJB02: Beam#02(D) JxB torque (Nt-M/CM3)
TQJB03: Beam#03(D) JxB torque (Nt-M/CM3)
TQJB04: Beam#04(D) JxB torque (Nt-M/CM3)
TQJBD: BEAM DEP. JXB TORQUE (Nt-M/CM3)
TQJBD01: Beam#01(D) JxB torque (Nt-M/CM3)
TQJBD02: Beam#02(D) JxB torque (Nt-M/CM3)
TQJBD03: Beam#03(D) JxB torque (Nt-M/CM3)
TQJBD04: Beam#04(D) JxB torque (Nt-M/CM3)
TQJXB: BEAM JXB TORQUE (Nt-M/CM3)
TQJXBT: BEAM JXB TORQUE (Nt-M/CM3)
TQJXB_D: D BEAM JXB TORQUE (Nt-M/CM3)
TQMINBAL: Minority Momentum Balance (Nt-M/CM3)
TQMINDOT: D/DT(MINORITY ION Momentum) (Nt-M/CM3)
TQMINE: TORQUE MIN.IONS->ELECTRONS (Nt-M/CM3)
TQMINFISH: Minority ion fishbone loss (Nt-M/CM3)
TQMINI: TORQUE MIN.IONS->TH.IONS (Nt-M/CM3)
TQMINJXB: JxB TORQUE Minority->TH.IONS (Nt-M/CM3)
TQMINOH: TORQUE OH->MIN.IONS (Nt-M/CM3)
TQMINORB: ORBIT LOSS OF MINORITY IONS (Nt-M/CM3)

TQMINPSC: MIN.IONS Ptcl Source/Sink (Nt-M/CM3)
TQMINTRAN: Min.ions transport (del.flux) (Nt-M/CM3)
TQOHB: TORQUE OH CIRCUIT --> BEAM (Nt-M/CM3)
TQRPL: BEAM RPL JXB TORQUE (Nt-M/CM3)
TQRPL_D: D BEAM RPL JXB TORQUE (Nt-M/CM3)
TQSC_HALO: beam halo source/sink torque (Nt-M/CM3)
TQTH01: Beam#01(D) thermalization torque (Nt-M/CM3)
TQTH02: Beam#02(D) thermalization torque (Nt-M/CM3)
TQTH03: Beam#03(D) thermalization torque (Nt-M/CM3)
TQTH04: Beam#04(D) thermalization torque (Nt-M/CM3)
TQTOT01: Beam#01(D) total torque (Nt-M/CM3)
TQTOT02: Beam#02(D) total torque (Nt-M/CM3)
TQTOT03: Beam#03(D) total torque (Nt-M/CM3)
TQTOT04: Beam#04(D) total torque (Nt-M/CM3)
TQXFR: FRACTION OF TQBCO -> IMPURITIES ()
...vs. XB:
TRFCK: MHD TOROIDAL FLUX CHECK (WEBERS)
TRFLX: TOROIDAL FLUX (WEBERS)
...vs. RMAJM:
TRFMP: TOROIDAL FLUX (WEBERS)
...vs. XB:
TRIANG: Flux surface triangularity ()
TRIANGL: Flux surf. lower triangularity ()
TRIANGU: Flux surf. upper triangularity ()
...vs. X:
TSL1A_D: D FULL E TAU(SLOWING DOWN,CO) (SECONDS)
TSL1B_D: D FULL E TAU(SLOWING DOWN,CTR) (SECONDS)
TSL2A_D: D HALF E TAU(SLOWING DOWN,CO) (SECONDS)
TSL2B_D: D HALF E TAU(SLOWING DOWN,CTR) (SECONDS)
TSL3A_D: D 1/3 E TAU(SLOWING DOWN,CO) (SECONDS)
TSL3B_D: D 1/3 E TAU(SLOWING DOWN,CTR) (SECONDS)
TTNTX: TOTAL NEUTRONS (N/CM3/SEC)
TX: IMPURITY TEMPERATURE (EV)
TXNC: NCLASS impurity Ti (smoothed) (EV)
UBCMP: B(POL) COMPRESSION (WATTS/CM3)
UBPAR: BEAM PLL ENERGY DENSITY (JLES/CM3)
UBPAR_D: D BEAM PLL ENERGY DENSITY (JLES/CM3)
UBPDT: D/DT(POLOIDAL FIELD ENERGY) (WATTS/CM3)
UBPOL: POLOIDAL FIELD ENERGY (JLES/CM3)
UBPRP: BEAM PERP ENERGY DENSITY (JLES/CM3)
UBPRP_D: D BEAM PERP ENERGY DENSITY (JLES/CM3)
UBTDT: D/DT(FIELD ENERGY) (WATTS/CM3)
UBTOR: TOROIDAL FIELD ENERGY (JLES/CM3)
UCURB: UNSHIELDED BEAM CURRENT (AMPS/CM2)
UDEXB: E CROSS B POWER (WATTS/CM3)
UE: ELECTRON ENERGY DENSITY (JLES/CM3)
UFASTPA: FAST ION PLL ENERGY DENSITY (JLES/CM3)
UFASTPP: FAST ION PERP ENERGY DENSITY (JLES/CM3)
UI: ION ENERGY DENSITY (JLES/CM3)
UJBCO: UNSHIELDED BEAM CUR (CO BEAMS) (AMPS/CM2)
UJBCR: UNSHIELDED BEAM CUR (CTR BEAMS) (AMPS/CM2)

UMGBA: MAGDIF ENERGY BALANCE (WATTS/CM3)
UMINPA: MINORITY PLL ENERGY DENSITY (JLES/CM3)
UMINPP: MINORITY PERP ENERGY DENSITY (JLES/CM3)
UPBAL: ROTATIONAL ENERGY BALANCE (WATTS/CM3)
UPHI: THERMAL PLASMA ROTATIONAL ENERGY (JLES/CM3)
UPHIN: TOTAL ROTATIONAL ENERGY INPUT (WATTS/CM3)
...vs. XB:
UPWIND_D: D ION UPWIND ADJUST ACTIVATION ()
UPWIND_LI: Li ION UPWIND ADJUST ACTIVATION ()
UPWIND_MO: Angular Momentum Balance UPWIND ADJUST ()
UPWIND_TE: Electron Energy Balance UPWIND ADJUST ()
UPWIND_TI: Ion Energy Balance UPWIND ADJUST ()
...vs. X:
UTHRM: THERMAL ENERGY DENSITY (JLES/CM3)
UTOTL: TOTAL ENERGY DENSITY (JLES/CM3)
V: VOLTAGE (VOLTS)
...vs. XGRID_NPHI:
VACSPEC1: Vacuum Spectrum, Antenna #1 ()
VACSPEC2: Vacuum Spectrum, Antenna #2 ()
...vs. X:
VBRC: VB PROFILE (CALCULATED) (VB INTENS)
...vs. RMAJM:
VBTORAV_MP: FAST ION <Vtor>, GC on midplane (CM/SEC)
...vs. X:
VCHEK: VOLTAGE CHECK (VOLTS)
...vs. XB:
VCONEMMM: MMM95 MODEL ELEC. CONV. VEL. (CM/SEC)
VCONIMMM: MMM95 MODEL ION CONV. VEL. (CM/SEC)
VCONZMMM: MMM95 MODEL IMP. CONV. VEL. (CM/SEC)
VELB: ANOMOLOUS FAST ION VELOCITY (CM/SEC)
VELD: ION VELOCITY (NET) D+ (CM/SEC)
VELE: ELECTRON RADIAL VELOCITY (CM/SEC)
VELIAV: density averaged ion radial velocity (CM/SEC)
VELIM: IMPURITY RADIAL VELOCITY (CM/SEC)
VELLITH: ION VELOCITY (NET) LI+++ (CM/SEC)
VELWE: ELECTRON WARE VELOCITY (CM/SEC)
VEL_TE: electron energy radial velocity (CM/SEC)
VEL_TI: ion energy radial velocity (CM/SEC)
VETAE: ETA(E) VALIDITY CHK ()
VETAI: ETA(I) VALIDITY CHECK ()
VKHDRBM: DRBM ION CONVECTIVE VELOCITY (CM/SEC)
...vs. X:
VLH: LH ESTIMATE OF LOOP VOLTAGE (VOLTS)
...vs. XB:
VMO_DATA: Momentum v_rad input data (CM/SEC)
VMO_NET: Momentum v_rad used in run (CM/SEC)
VMO_PBAL: Momentum v_rad from ptcl-bal (CM/SEC)
VMO_PINCH: Momentum v_rad pinch term (CM/SEC)
VMO_THMOD: Momentum v_rad, transport model (CM/SEC)
VNDNC_D: Nclass D+ avg radial particle convection velocity (CM/SEC)
VNDNC_E: Nclass e- radial particle convection velocity (CM/SEC)

VNDNC_LI: Nclass Li avg radial particle convection velocity (CM/SEC)
VND_D: D+ NON-DIFFUSIVE FLOW VELOCITY (CM/SEC)
VND_LITH: LITH NON-DIFFUSIVE FLOW VELOCITY (CM/SEC)
...vs. X:
VPB01_E1: Vpll*B: Beam no.01(D), E-frac#1 (T*CM/SEC)
VPB01_E2: Vpll*B: Beam no.01(D), E-frac#2 (T*CM/SEC)
VPB01_E3: Vpll*B: Beam no.01(D), E-frac#3 (T*CM/SEC)
VPB02_E1: Vpll*B: Beam no.02(D), E-frac#1 (T*CM/SEC)
VPB02_E2: Vpll*B: Beam no.02(D), E-frac#2 (T*CM/SEC)
VPB02_E3: Vpll*B: Beam no.02(D), E-frac#3 (T*CM/SEC)
VPB03_E1: Vpll*B: Beam no.03(D), E-frac#1 (T*CM/SEC)
VPB03_E2: Vpll*B: Beam no.03(D), E-frac#2 (T*CM/SEC)
VPB03_E3: Vpll*B: Beam no.03(D), E-frac#3 (T*CM/SEC)
VPB04_E1: Vpll*B: Beam no.04(D), E-frac#1 (T*CM/SEC)
VPB04_E2: Vpll*B: Beam no.04(D), E-frac#2 (T*CM/SEC)
VPB04_E3: Vpll*B: Beam no.04(D), E-frac#3 (T*CM/SEC)
VPB_F1_D: Vpll.B: full energy D beam (T*(cm/sec))
VPB_F2_D: Vpll.B: half energy D beam (T*(cm/sec))
VPB_F3_D: Vpll.B: 1/3 energy D beam (T*(cm/sec))
...vs. XB:
VPEPALEO: PALEOCLASSICAL THERMAL PINCH (CM/SEC)
VPHIMMM07: MMM07 TOR. CONV. VEL. (CM/SEC)
...vs. X:
VPOH: VOLTAGE for POH calculation (VOLTS)
...vs. RMAJM:
VPOLD_NC: NC D+ poloidal velocity (CM/SEC)
VPOLE_NC: NC electron poloidal velocity (CM/SEC)
VPOLLINC: NC Li ion poloidal velocity (CM/SEC)
VPOLX_NC: NC impurity poloidal velocity (CM/SEC)
VPOL_AVG: NC avg poloidal velocity (CM/SEC)
...vs. XB:
VRPOT: RADIAL ELECTRICAL POTENTIAL (VOLTS)
...vs. RMAJM:
VTORD_NC: NC D+ toroidal velocity (CM/SEC)
VTORE_NC: NC electron toroidal velocity (CM/SEC)
VTORLINC: NC Li ion toroidal velocity (CM/SEC)
VTORX_NC: NC impurity toroidal velocity (CM/SEC)
VTOR_AVG: momentum balance avg velocity (CM/SEC)
...vs. X:
WNMC_D: Beam D No. of MC Ions (#ptcls)
X: x"r/a" ctr ()
...vs. XB:
XB: x"r/a" bdy ()
XDEW19: WEILAND19 MODEL D(I) (CM**2/SEC)
XDIMIX: MIXED MODEL D(I) (CM**2/SEC)
XETAE: CHI:E(ETA(E)) ACTIVE (CM**2/SEC)
XETE0: CHI:E(ETA(E)) GUZDAR (CM**2/SEC)
XETI0: CHI(ETA(I)) RAW (CM**2/SEC)
...vs. XGRID_NPHI:
XGRID_NPHI: Nphi Grid ()
...vs. RMAJM:

XILMP: TOROIDAL FLUX LABEL ()
...vs. RMJSYM:
XIRSYM: FLUX LABEL (DATA MAPPING) ()
...vs. XB:
XKAPEGKF: IFS-PPPL GYROFLUID MODEL CHI(E) (CM**2/SEC)
XKAPIGKF: IFS-PPPL GYROFLUID MODEL CHI(I) (CM**2/SEC)
XKECDBM: CDBM MODEL CHI(E) (CM**2/SEC)
XKEDRBM: DRBM MODEL CHI(E) (CM**2/SEC)
XKEETG: HORTON ETG MODEL CHI(E) (CM**2/SEC)
XKEGLF23: GLF23 MODEL CHI(E) (CM**2/SEC)
XKEMIX: MIXED MODEL CHI(E) (CM**2/SEC)
XKEMMM07: MMM07 MODEL CHI(E) (CM**2/SEC)
XKEMMM95: MMM95 MODEL CHI(E) (CM**2/SEC)
XKEPALEO: PALEOCLASSICAL CHI(E) (CM**2/SEC)
XKEW19: WEILAND19 MODEL CHI(E) (CM**2/SEC)
XKFAC: CHI(I) MULTIPLIER ()
XKHDRBM: DRBM ION DIFFUSIVITY (CM**2/SEC)
XKICDBM: CDBM MODEL CHI(I) (CM**2/SEC)
XKIDRBM: DRBM MODEL CHI(I) (CM**2/SEC)
XKIGLF23: GLF23 MODEL CHI(I) (CM**2/SEC)
XKIMIX: MIXED MODEL CHI(I) (CM**2/SEC)
XKIMMM07: MMM07 MODEL CHI(I) (CM**2/SEC)
XKIMMM95: MMM95 MODEL CHI(I) (CM**2/SEC)
XKINC: NEOCLASSICAL CHI(I) (CM**2/SEC)
XKIW19: WEILAND19 MODEL CHI(I) (CM**2/SEC)
XKZMMM07: MMM07 MODEL CHI(Z) (CM**2/SEC)
XKZW19: WEILAND19 MODEL CHI(Z) (CM**2/SEC)
XPPMMM07: MMM07 MODEL CHI(Theta) (CM**2/SEC)
XPPW19: WEILAND19 MODEL CHI(Theta) (CM**2/SEC)
XPTMMM07: MMM07 MODEL CHI(Phi) (CM**2/SEC)
...vs. X:
XPTR_MOD: Div(impurity flux) (model) (N/CM3/SEC)
XPTR_OBS: Div(impurity flux) (observed) (N/CM3/SEC)
...vs. XB:
XPTW19: WEILAND19 MODEL CHI(Phi) (CM**2/SEC)
...vs. X:
XZIMPJ: Zonal Avg Z of Impurity ()
...vs. ILIM:
YLIM: LIMITER Y PTS (CM)
...vs. XB:
YMC00: 0TH ASYM Y MOMENT (CM)
YMC01: 1st ASYM Y COS MOMENT (CM)
YMC02: 2nd ASYM Y COS MOMENT (CM)
YMC03: 3rd ASYM Y COS MOMENT (CM)
YMC04: 4th ASYM Y COS MOMENT (CM)
YMC05: 5th ASYM Y COS MOMENT (CM)
YMC06: 6th ASYM Y COS MOMENT (CM)
YMC07: 7th ASYM Y COS MOMENT (CM)
YMC08: 8th ASYM Y COS MOMENT (CM)
YMC09: 9th ASYM Y COS MOMENT (CM)
YMC10: 10th ASYM Y COS MOMENT (CM)

YMC11: 11th ASYM Y COS MOMENT (CM)
YMC12: 12th ASYM Y COS MOMENT (CM)
YMC13: 13th ASYM Y COS MOMENT (CM)
YMC14: 14th ASYM Y COS MOMENT (CM)
YMC15: 15th ASYM Y COS MOMENT (CM)
YMC16: 16th ASYM Y COS MOMENT (CM)
YMPA: "MIDPLANE" Y OF ASYM SURFACES (CM)
YMS01: 1st ASYM Y SIN MOMENT (CM)
YMS02: 2nd ASYM Y SIN MOMENT (CM)
YMS03: 3rd ASYM Y SIN MOMENT (CM)
YMS04: 4th ASYM Y SIN MOMENT (CM)
YMS05: 5th ASYM Y SIN MOMENT (CM)
YMS06: 6th ASYM Y SIN MOMENT (CM)
YMS07: 7th ASYM Y SIN MOMENT (CM)
YMS08: 8th ASYM Y SIN MOMENT (CM)
YMS09: 9th ASYM Y SIN MOMENT (CM)
YMS10: 10th ASYM Y SIN MOMENT (CM)
YMS11: 11th ASYM Y SIN MOMENT (CM)
YMS12: 12th ASYM Y SIN MOMENT (CM)
YMS13: 13th ASYM Y SIN MOMENT (CM)
YMS14: 14th ASYM Y SIN MOMENT (CM)
YMS15: 15th ASYM Y SIN MOMENT (CM)
YMS16: 16th ASYM Y SIN MOMENT (CM)
...vs. X:
ZEFFI: ZEFF DATA (UNCONSTRAINED) ()
ZEFFP: PLASMA COMPOSITION ZEFF PROFILE ()
ZEFMD: MAGDIF ZEFF PROFILE ()
ZIMPS_TOK: TOK Avg. Mult. Impurity Z ()