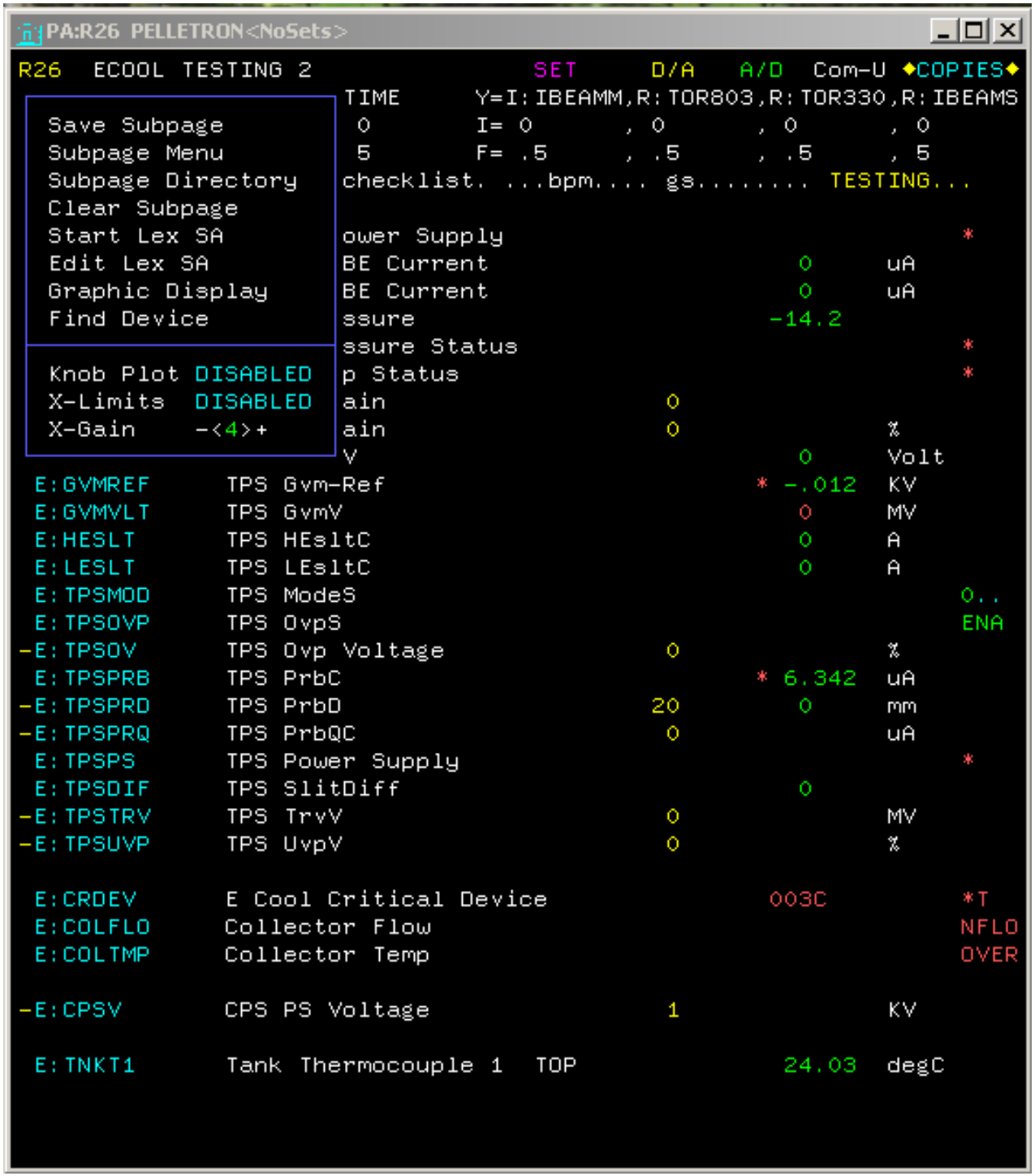
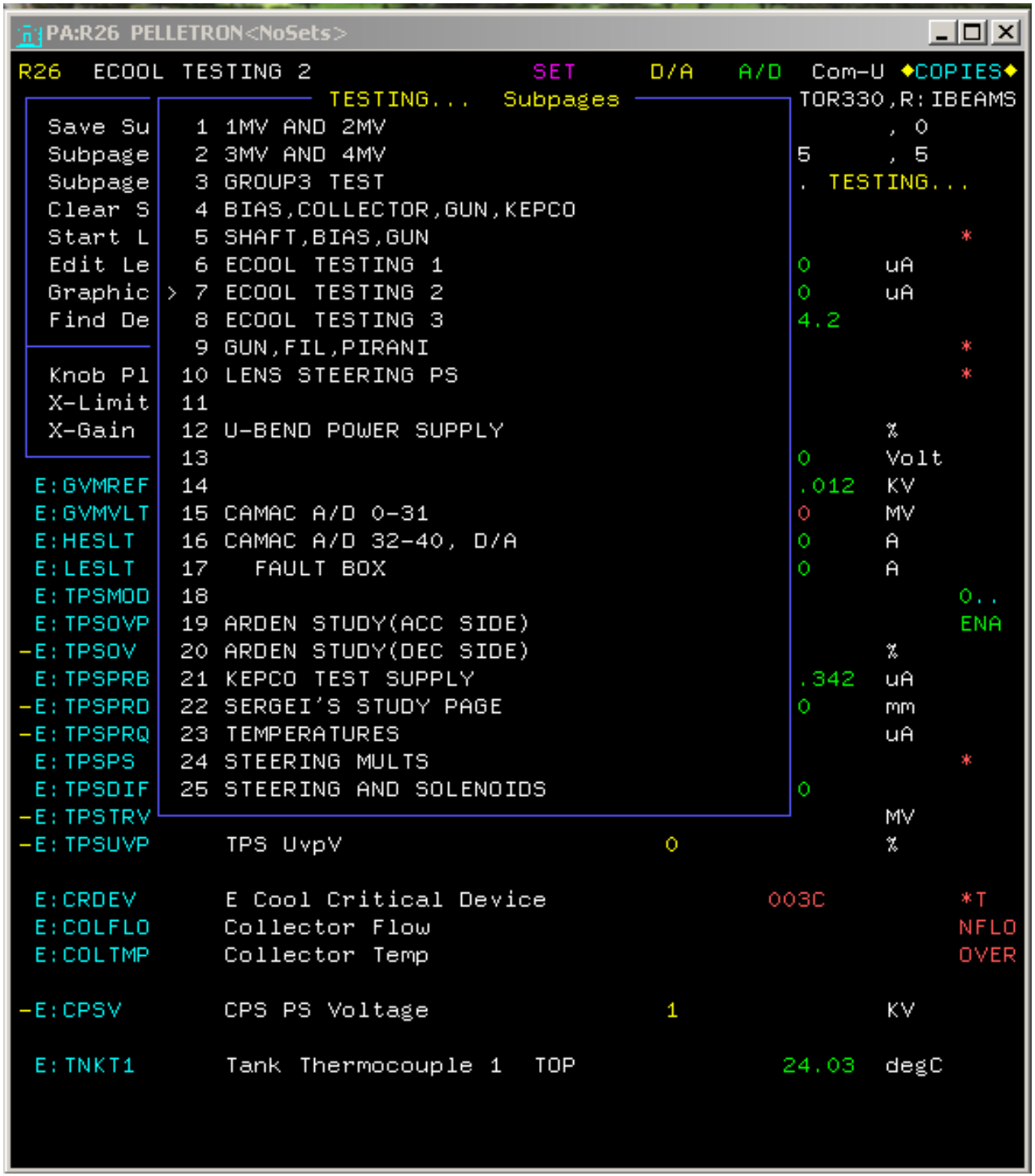
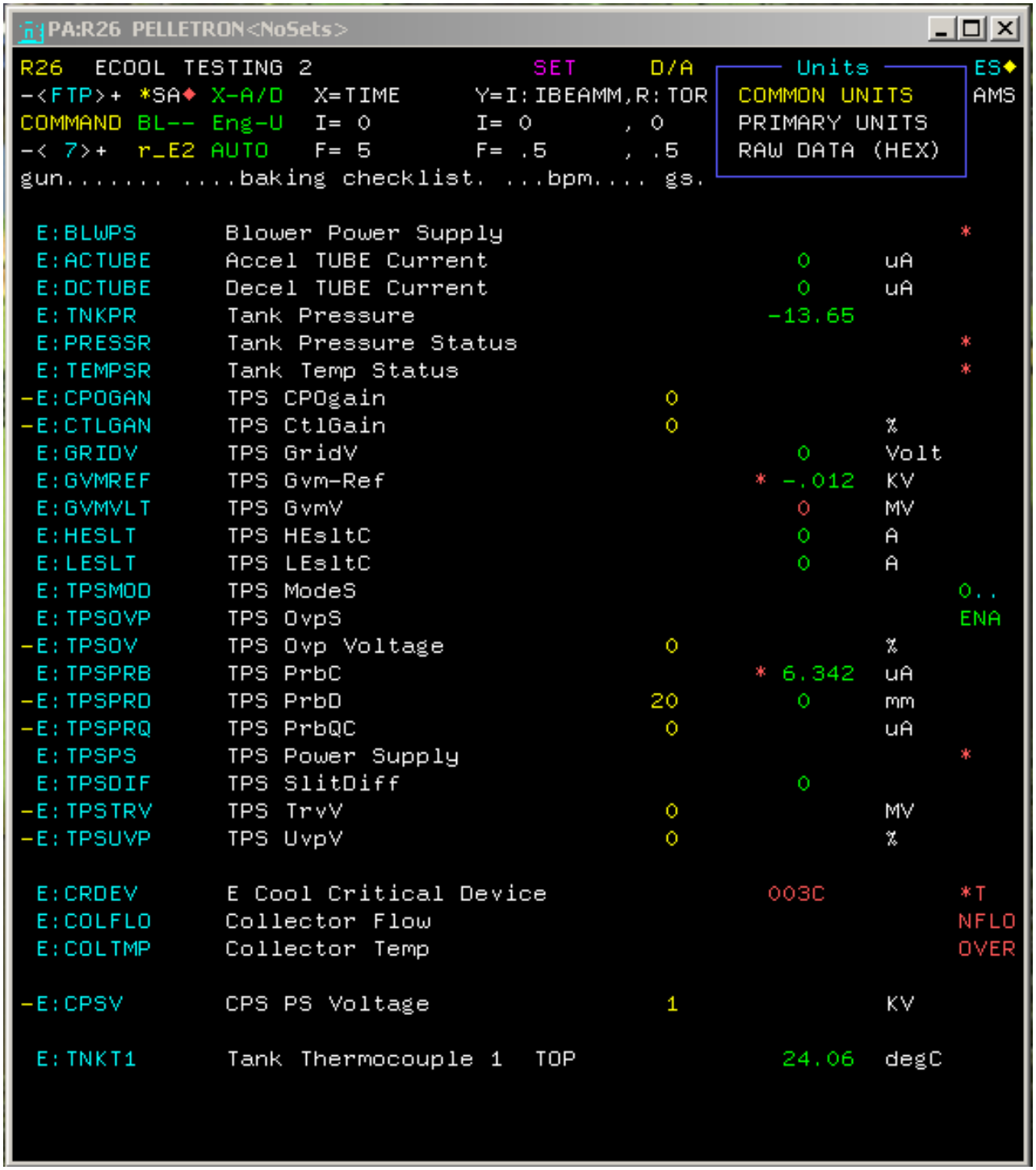
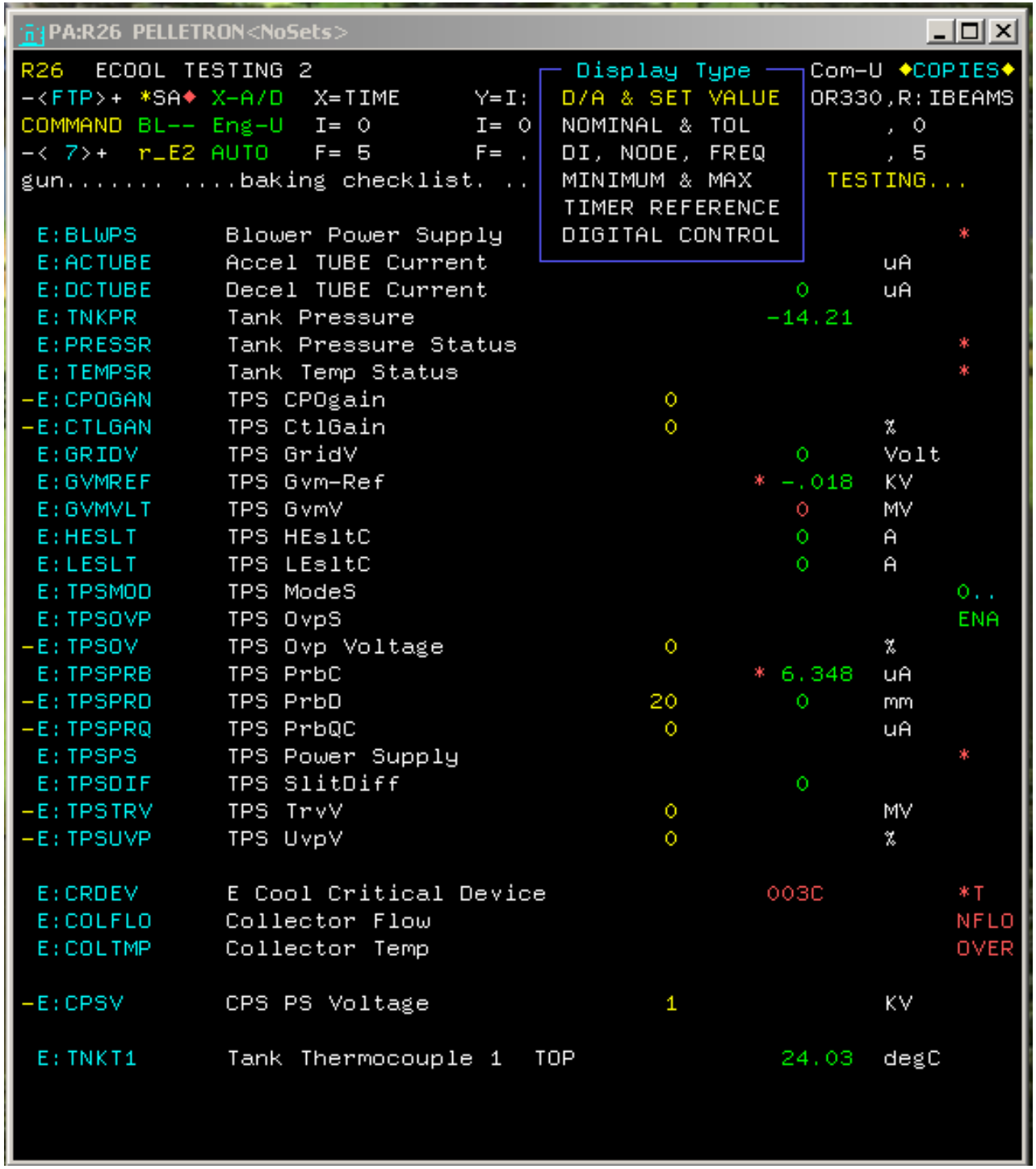
PA:R26 PELLETRON<NoSets>

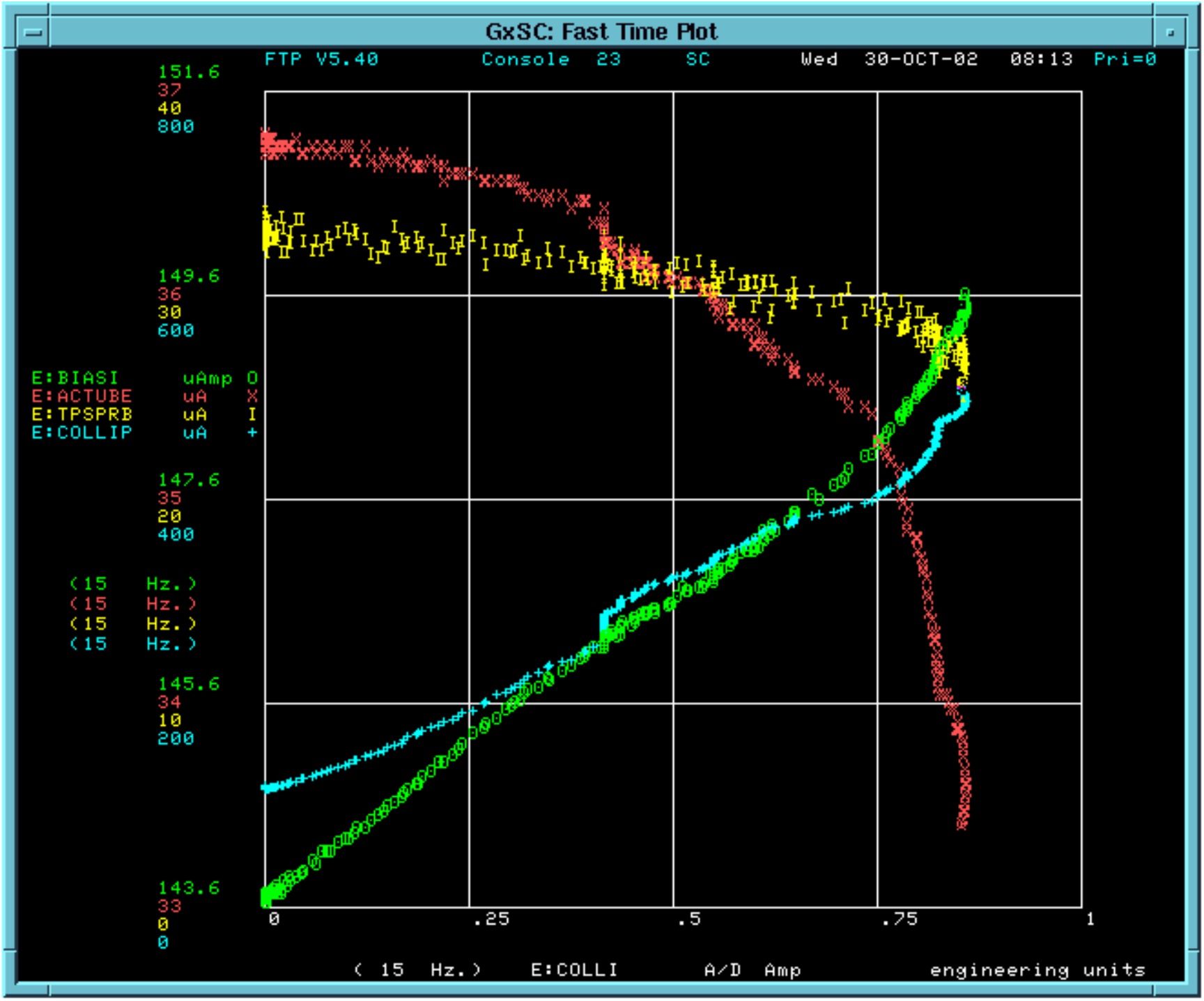
```
R26  ECOOL TESTING 1                SET     D/A    A/D  Com-U ♦COPIES♦
-<FTP>+ *SA♦ X-A/D  X=TIME     Y=A:IBEAM ,I:IBEAMB,T:IBEAM ,T:ERING
COMMAND ---- Eng-U  I= 0       I= 0       , 0       , 0       ,-1200
-< 6>+  rSUP AUTO   F= 220     F= 200     , 1       , 10      , 1200
gun....... ....baking checklist. ...bpm.... gs........ TESTING...

-E:NSS        IRIS MOTOR 0                 <     >   68.61  mm    IU..
-E:EWS        CRASH SCRAPER                <     >   42.29  mm    IU..
-E:NSCRAP     NORTH SCRAPER MOTOR 2        <     >   1447   Mils  IUW.
-E:SSCRAP     SOUTH SCRAPER MOTOR 3        <     >   1506   Mils  IUW.
 E:NSSCP      NSS  Scraper Curr Pos                   1369   step   ..
 E:GUNIRM     5 V Gun Enable from IRM                 4.75   Volt

 E:SF6T5      SF6 Skid Out Temp                       28.01  degC


-E:GDA49      ECOOL Guaranteed Device      1300      -1300   spip

 E:CRDEV      E Cool Critical Device                 003C          *T

 E:CHCOLI     Acc Col Current                          .134  uA
 E:LOSTI      CH Lost Current                        -6.211  uA
 E:CHN1I      CH Chain 1 Current                       .168  uA
 E:CHNPS      CH PwrS                                              .
 E:RS1        RS 1 Power Supply                                    *

 E:CPS+V      CPS +V                                   .132  KV
 E:CPS-V      CPS -V                                  -.154  KV
 E:CPSPS      CPS Power Supply                                      ..
-E:CPSV       CPS PS Voltage                0                KV
-E:CPSDF      CPS PS Default Voltage        0                KV
 E:TERM+V     CPS TERM +V                             13.62  KV
 E:TERM-V     CPS TERM -V                            -13.59  KV
 E:TNKT1      Tank Thermocouple 1  TOP                24.41  degC
-E:E1IG01     Electron Cooling.IonG  0            3.813E-10 TORR ..
 E:GUNIP      Gun Ion Pump                        1.815E+01 uA    ..
 E:COLLIP     Collector Ion Pump                  1.825E+01 uA    ..
-E:E1IG04     Electron Cooling.IonG  0            1.049E-09 TORR ..
 E:EBRD01     faraday cup                          *  .003   R/H  T
 E:EBRD02     cave entrance                        *  .015  mr/h  T
```


PA:R26 PELLETRON<NoSets>
R26 ECOOL TESTING 2 SET D/A A/D Com-U ◆COPIES◆
TIME Y=I:IBEAMM,R:TOR803,R:TOR330,R:IBEAMS
Save Subpage 0 I= 0 , 0 , 0 , 0
Subpage Menu 5 F= .5 , .5 , .5 , 5
Subpage Directory checklist. ...bpm.... gs..... TESTING...
Clear Subpage
Start Lex SA ower Supply *
Edit Lex SA BE Current 0 uA
Graphic Display BE Current 0 uA
Find Device ssure -14.2
ssure Status *
Knob Plot DISABLED p Status *
X-Limits DISABLED ain 0
X-Gain -<4>+ ain 0 %
V 0 Volt
E:GVMREF TPS Gvm-Ref * -.012 KV
E:GVMVLT TPS GvmV 0 MV
E:HESLT TPS HEsltC 0 A
E:LESLT TPS LEsltC 0 A
E:TPSMOD TPS ModeS 0..
E:TPSOVP TPS OvpS ENA
-E:TPSOV TPS Ovp Voltage 0 %
E:TPSPRB TPS PrbC * 6.342 uA
-E:TPSPRD TPS PrbD 20 0 mm
-E:TPSPRQ TPS PrbQC 0 uA
E:TPSPS TPS Power Supply *
E:TPSDIF TPS SlitDiff 0
-E:TPSTRV TPS TrvV 0 MV
-E:TPSUVP TPS UvpV 0 %
E:CRDEV E Cool Critical Device 003C *T
E:COLFLO Collector Flow NFLO
E:COLTMP Collector Temp OVER
-E:CPSV CPS PS Voltage 1 KV
E:TNKT1 Tank Thermocouple 1 TOP 24.03 degC

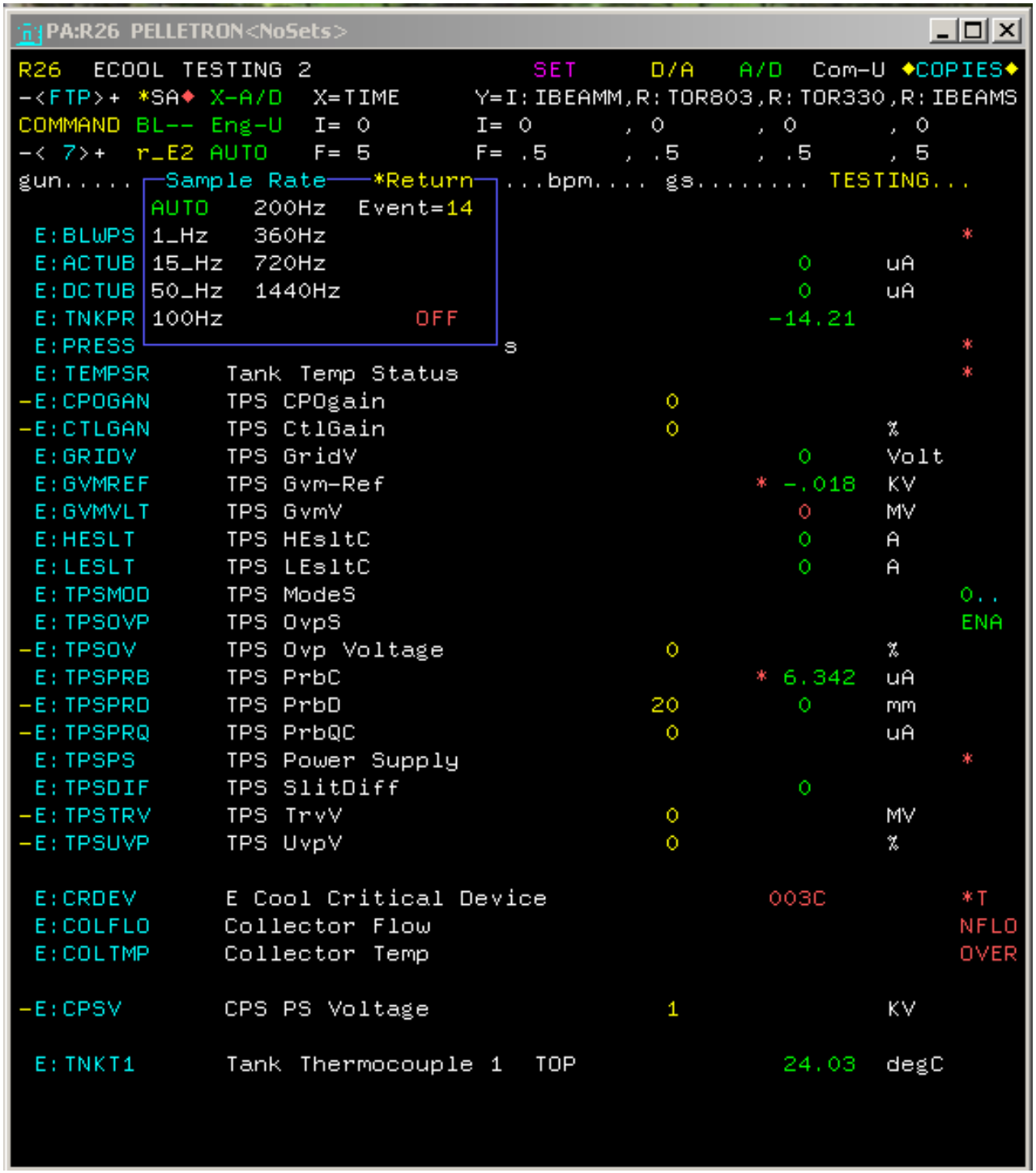

PA:R26 PELLETRON<NoSets>
R26 ECOOL TESTING 2 SET D/A A/D Com-U ♦COPIES♦
TESTING... Subpages
TOR330,R:IBEAMS
Save Su 1 1MV AND 2MV , 0
Subpage 2 3MV AND 4MV 5 , 5
Subpage 3 GROUP3 TEST . TESTING...
Clear S 4 BIAS,COLLECTOR,GUN,KEPCO
Start L 5 SHAFT,BIAS,GUN *
Edit Le 6 ECOOL TESTING 1 0 uA
Graphic > 7 ECOOL TESTING 2 0 uA
Find De 8 ECOOL TESTING 3 4.2
9 GUN,FIL,PIRANI *
Knob Pl 10 LENS STEERING PS *
X-Limit 11
X-Gain 12 U-BEND POWER SUPPLY %
13 0 Volt
E:GVMREF 14 .012 KV
E:GVMVLT 15 CAMAC A/D 0-31 0 MV
E:HESLT 16 CAMAC A/D 32-40, D/A 0 A
E:LESLT 17 FAULT BOX 0 A
E:TPSMOD 18 0..
E:TPSOVP 19 ARDEN STUDY(ACC SIDE) ENA
-E:TPSOV 20 ARDEN STUDY(DEC SIDE) %
E:TPSPRB 21 KEPCO TEST SUPPLY .342 uA
-E:TPSPRD 22 SERGEI'S STUDY PAGE 0 mm
-E:TPSPRQ 23 TEMPERATURES uA
E:TPSPS 24 STEERING MULTS *
E:TPSDIF 25 STEERING AND SOLENOIDS 0
-E:TPSTRV MV
-E:TPSUVP TPS UvpV 0 %
E:CRDEV E Cool Critical Device 003C *T
E:COLFLO Collector Flow NFLO
E:COLTMP Collector Temp OVER
-E:CPSV CPS PS Voltage 1 KV
E:TNKT1 Tank Thermocouple 1 TOP 24.03 degC

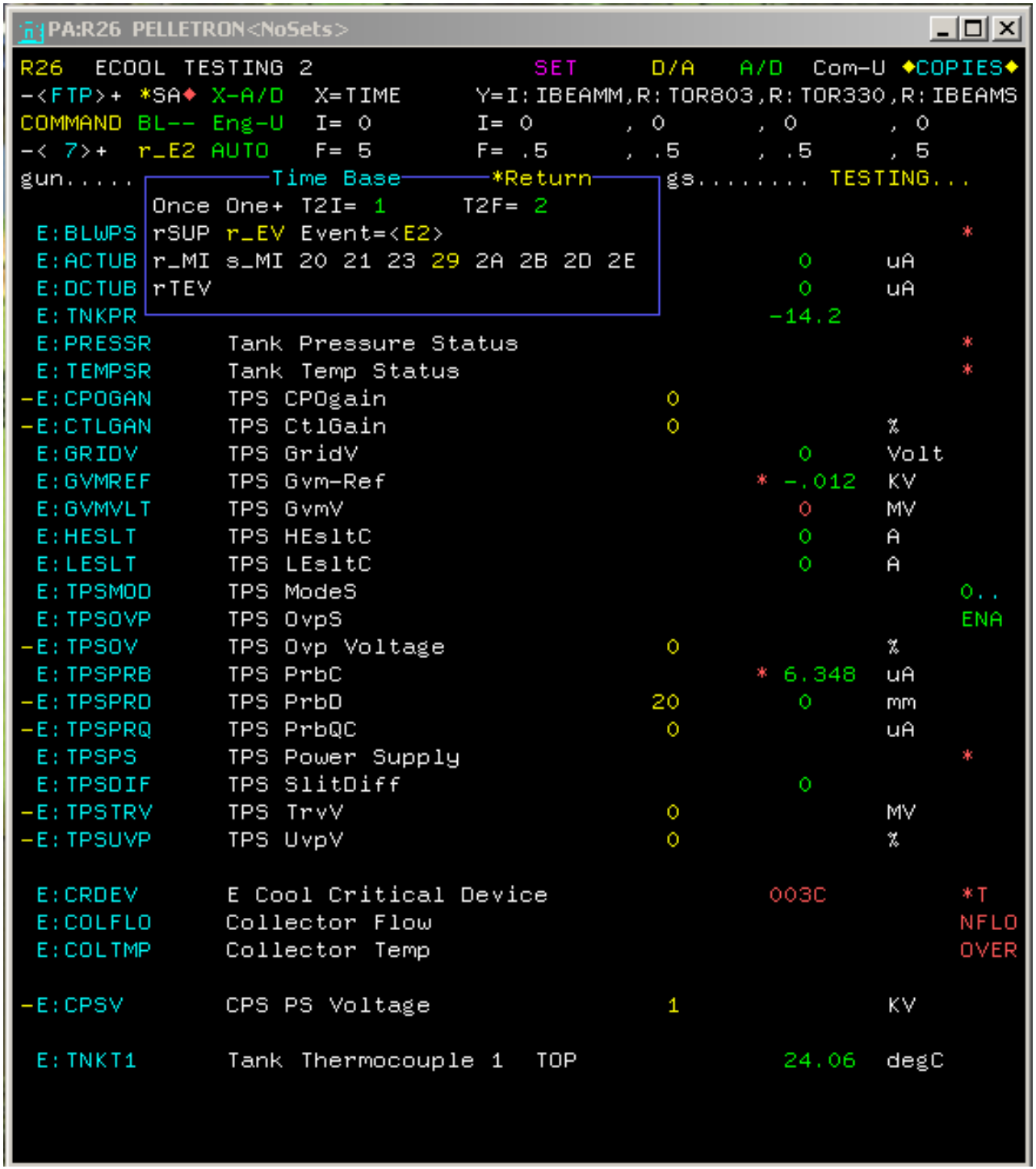

PA:R26 PELLETRON<NoSets>
R26 ECOOL TESTING 2 SET D/A Units ES
-<FTP>+ *SA X-A/D X=TIME Y=I:IBEAMM,R:TOR COMMON UNITS AMS
COMMAND BL-- Eng-U I= 0 I= 0 , 0 PRIMARY UNITS
-< 7>+ r_E2 AUTO F= 5 F= .5 , .5 RAW DATA (HEX)
gun..... ....baking checklist. ...bpm.... gs.
E:BLWPS Blower Power Supply *
E:ACTUBE Accel TUBE Current 0 uA
E:DCTUBE Decel TUBE Current 0 uA
E:TNKPR Tank Pressure -13.65
E:PRESSR Tank Pressure Status *
E:TEMPSR Tank Temp Status *
-E:CPOGAN TPS CPOgain 0
-E:CTLGAN TPS CtlGain 0 %
E:GRIDV TPS GridV 0 Volt
E:GVMREF TPS Gvm-Ref * -.012 KV
E:GVMVLT TPS GvmV 0 MV
E:HESLT TPS HEsltC 0 A
E:LESLT TPS LEsltC 0 A
E:TPSMOD TPS ModeS 0..
E:TPSOVP TPS OvpS ENA
-E:TPSOV TPS Ovp Voltage 0 %
E:TPSPRB TPS PrbC * 6.342 uA
-E:TPSPRD TPS PrbD 20 0 mm
-E:TPSPRQ TPS PrbQC 0 uA
E:TPSPS TPS Power Supply *
E:TPSDIF TPS SlitDiff 0
-E:TPSTRV TPS TrvV 0 MV
-E:TPSUVP TPS UvpV 0 %
E:CRDEV E Cool Critical Device 003C *T
E:COLFLO Collector Flow NFLO
E:COLTMP Collector Temp OVER
-E:CPSV CPS PS Voltage 1 KV
E:TNKT1 Tank Thermocouple 1 TOP 24.06 degC


PA:R26 PELLETRON<NoSets>
R26 ECOOL TESTING 2
-<FTP>+ *SA♦ X-A/D X=TIME Y=I:
COMMAND BL-- Eng-U I= 0 I= 0
-< 7>+ r_E2 AUTO F= 5 F= .
gun..... ....baking checklist. ..
Display Type
D/A & SET VALUE
NOMINAL & TOL
DI, NODE, FREQ
MINIMUM & MAX
TIMER REFERENCE
DIGITAL CONTROL
Com-U ♦COPIES♦
OR330,R:IBEAMS
, 0
, 5
TESTING...
E:BLWPS Blower Power Supply *
E:ACTUBE Accel TUBE Current uA
E:DCTUBE Decel TUBE Current 0 uA
E:TNKPR Tank Pressure -14.21
E:PRESSR Tank Pressure Status *
E:TEMPSR Tank Temp Status *
-E:CPOGAN TPS CPOgain 0
-E:CTLGAN TPS CtlGain 0 %
E:GRIDV TPS GridV 0 Volt
E:GVMREF TPS Gvm-Ref * -.018 KV
E:GVMVLT TPS GvmV 0 MV
E:HESLT TPS HEsltC 0 A
E:LESLT TPS LEsltC 0 A
E:TPSMOD TPS ModeS 0..
E:TPSOVP TPS OvpS ENA
-E:TPSOV TPS Ovp Voltage 0 %
E:TPSPRB TPS PrbC * 6.348 uA
-E:TPSPRD TPS PrbD 20 0 mm
-E:TPSPRQ TPS PrbQC 0 uA
E:TPSPS TPS Power Supply *
E:TPSDIF TPS SlitDiff 0
-E:TPSTRV TPS TrvV 0 MV
-E:TPSUVP TPS UvpV 0 %
E:CRDEV E Cool Critical Device 003C *T
E:COLFLO Collector Flow NFLO
E:COLTMP Collector Temp OVER
-E:CPSV CPS PS Voltage 1 KV
E:TNKT1 Tank Thermocouple 1 TOP 24.03 degC


GxSC: Fast Time Plot
FTP V5.40
Console 23
SC
Wed 30-OCT-02 08:13 Pri=0
151.6
37
40
800
149.6
36
30
600
147.6
35
20
400
145.6
34
10
200
143.6
33
0
0
E:BIASI uAmp O
E:ACTUBE uA X
E:TPSPRB uA I
E:COLLIP uA +
(15 Hz.)
(15 Hz.)
(15 Hz.)
(15 Hz.)
0
.25
.5
.75
1
(15 Hz.) E:COLLI A/D Amp engineering units

GxSB: Fast Time Plot
FTP V5.40
Console 23
SB
Wed 30-OCT-02 07:50 Pri=0
.8
2.0E-09
8.0E-09
5
.6
1.5E-09
6.0E-09
4
E:COLLI Amp
E:E1IG01 TORR
E:E1IG04 TORR
E:GVMVLT MV
.4
1.0E-09
4.0E-09
3
(1 HZ.)
(1 HZ.)
(1 HZ.)
(1 HZ.)
.2
5.0E-10
2.0E-09
2
0
0
0
1
0
3600
7200
10800
14400
Seconds ONCE +
engineering units


PA:R26 PELLETRON<NoSets>
R26 ECOOL TESTING 2 SET D/A A/D Com-U ♦COPIES♦
-<FTP>+ *SA♦ X-A/D X=TIME Y=I:IBEAMM,R:TOR803,R:TOR330,R:IBEAMS
COMMAND BL-- Eng-U I= 0 I= 0 , 0 , 0 , 0
-< 7>+ r_E2 AUTO F= 5 F= .5 , .5 , .5 , 5
gun..... Sample Rate *Return ...bpm.... gs..... TESTING...
AUTO 200Hz Event=14
E:BLWPS 1_Hz 360Hz *
E:ACTUB 15_Hz 720Hz 0 uA
E:DCTUB 50_Hz 1440Hz 0 uA
E:TNKPR 100Hz OFF -14.21
E:PRESS s *
E:TEMPSR Tank Temp Status *
-E:CPOGAN TPS CPOgain 0
-E:CTLGAN TPS CtlGain 0 %
E:GRIDV TPS GridV 0 Volt
E:GVMREF TPS Gvm-Ref * -.018 KV
E:GVMVLT TPS GvmV 0 MV
E:HESLT TPS HEsltC 0 A
E:LESLT TPS LEsltC 0 A
E:TPSMOD TPS ModeS 0..
E:TPSOVP TPS OvpS ENA
-E:TPSOV TPS Ovp Voltage 0 %
E:TPSPRB TPS PrbC * 6.342 uA
-E:TPSPRD TPS PrbD 20 0 mm
-E:TPSPRQ TPS PrbQC 0 uA
E:TPSPS TPS Power Supply *
E:TPSDIF TPS SlitDiff 0
-E:TPSTRV TPS TrvV 0 MV
-E:TPSUVP TPS UvpV 0 %
E:CRDEV E Cool Critical Device 003C *T
E:COLFLO Collector Flow NFLO
E:COLTMP Collector Temp OVER
-E:CPSV CPS PS Voltage 1 KV
E:TNKT1 Tank Thermocouple 1 TOP 24.03 degC


PA:R26 PELLETRON<NoSets>
R26 ECOOL TESTING 2 SET D/A A/D Com-U ◆COPIES◆
-<FTP>+ *SA◆ X-A/D X=TIME Y=I:IBEAMM,R:TOR803,R:TOR330,R:IBEAMS
COMMAND BL-- Eng-U I= 0 I= 0 , 0 , 0 , 0
-< 7>+ r_E2 AUTO F= 5 F= .5 , .5 , .5 , 5
gun..... Time Base *Return gs..... TESTING...
Once One+ T2I= 1 T2F= 2
E:BLWPS rSUP r_EV Event=<E2> *
E:ACTUB r_MI s_MI 20 21 23 29 2A 2B 2D 2E 0 uA
E:DCTUB rTEV 0 uA
E:TNKPR -14.2
E:PRESSR Tank Pressure Status *
E:TEMPSR Tank Temp Status *
-E:CPOGAN TPS CPOgain 0
-E:CTLGAN TPS CtlGain 0 %
E:GRIDV TPS GridV 0 Volt
E:GVMREF TPS Gvm-Ref * -.012 KV
E:GVMVLT TPS GvmV 0 MV
E:HESLT TPS HEsltC 0 A
E:LESLT TPS LEsltC 0 A
E:TPSMOD TPS ModeS 0..
E:TPSOVP TPS OvpS ENA
-E:TPSOV TPS Ovp Voltage 0 %
E:TPSPRB TPS PrbC * 6.348 uA
-E:TPSPRD TPS PrbD 20 0 mm
-E:TPSPRQ TPS PrbQC 0 uA
E:TPSPS TPS Power Supply *
E:TPSDIF TPS SlitDiff 0
-E:TPSTRV TPS TrvV 0 MV
-E:TPSUVP TPS UvpV 0 %
E:CRDEV E Cool Critical Device 003C *T
E:COLFLO Collector Flow NFLO
E:COLTMP Collector Temp OVER
-E:CPSV CPS PS Voltage 1 KV
E:TNKT1 Tank Thermocouple 1 TOP 24.06 degC

```
PA:D1  SAVE/RESTORE<NoSets>
D1                    ACNET Global Save/Compare/Restore        ♦Pgm_Tools♦

 global    linac     booster   main_inj  extbeams  tevatron  p-bar_sr  refrig
 MISC      archive   recycler  shots     circular  minboone  spare2    spare1

* MISC     File Directory                *Chronorder    (NEWEST/oldest)
* Total File Directory                  *Chronorder
* Statistics for File < 8  >            * Display Errors for File < 8  >

* Save In File < 8  >
                                        Old  MISC     File = 0806
* Display File < 8  >                   Last MISC     File = 0865
* Compare File < 8  > and File < 8  >   Last BIG      File = 0991

* Restore File < 8  >                   * Protect File   <    >
* Display Status of Restore             * Unprotect File <    >
* Delete File  < 8  >
* Modify File  <    >

* Diagnostics Subpage                   * Display Disk Quotas

* Old Data Save In File <    >

* Save Node/Crate
* Restore Node/Crate

                          Messages
```

PA:D1 SAVE/RESTORE<NoSets>

D1 Display File < 821> 02-Oct-02 1835 Wed ♦Pgm_Tools♦ *RETURN

CHANNEL ....

*Update Page

linac booster main_inj extbeams tevatron p-bar_sr refrig MISC
archive recycler shots circular minboone spare2 spare1
E-COOL t48_d1f2 t48_d1f3 t48_d1f4 t48_d1f5 t48_d1f6 t48_d1f7 t48_d1f8 t48_d1f9
t48__f10 main-inj pet mi-10 mi-20... mi-30... mi-40... mi-50... mi-60...
study apertur machine STEERIN vacuum. gun/col steerin lossmon regulat clearin

	♦D/A♦	♦A/D♦			♦D/A♦	♦A/D♦	
-E:STAX0I	-.5	-.448	A	E:STDX2V		-.007	Volt
-E:STAY0I	-.5	-.456	A	-E:STDY2I	0	-.001	Amps
-E:STAX1I	-.35	-.349	Amps	E:STDY2V		-.004	Volt
E:STAX1V		-2.319	Volt	-E:LENA2I	3	2.994	Amps
-E:STAY1I	.1	.101	Amps	E:LENA2V		23.8	Volt
E:STAY1V		.672	Volt	-E:LEND2I	5	4.996	Amps
-E:STDX1I	.3	.299	Amps	E:LEND2V		40.45	Volt
E:STDX1V		2.024	Volt	E:HTSNK2		34.98	degC
-E:STDY1I	0	0	Amps	-E:STAX3I	.5	.499	Amps
E:STDY1V		-.001	Volt	E:STAX3V		3.308	Volt
-E:LENA1I	3	2.995	Amps	-E:STAY3I	-.7	-.699	Amps
E:LENA1V		23.96	Volt	E:STAY3V		-4.637	Volt
-E:LEND1I	3.4	3.395	Amps	-E:STDX3I	.3	.302	Amps
E:LEND1V		27.21	Volt	E:STDX3V		2.05	Volt
E:HTSNK1		35.63	degC	-E:STDY3I	0	.001	Amps
-E:STAX2I	.4	.4	Amps	E:STDY3V		.007	Volt
E:STAX2V		2.67	Volt	-E:LENA3I	5	4.994	Amps
-E:STAY2I	.6	.6	Amps	E:LENA3V		40.66	Volt
E:STAY2V		3.959	Volt	-E:LEND3I	5	5.002	Amps
-E:STDX2I	0	-.001	Amps	E:LEND3V		40.89	Volt

Messages

```
PA:D1  SAVE/RESTORE<NoSets>
D1                    ACNET Global Save/Compare/Restore        ♦Pgm_Tools♦

 global    linac     booster   main_inj  extbeams  TEVATR  Screen Copy   frig
 misc      archive   recycler  shots     circular  minboo  Make Plot     are1
                                                           Display Log
* TEVATRON File Directory                *Chronorder    (NE  Log Control
* Total File Directory                   *Chronorder         DIO Control
* Statistics for File < 5  >             * Display Errors f  FM Control
                                                             Param Window
* Save In File < 5  >                                        Program Info
                                         Old  TEVATRON File  Error Contrl
* Display File < 5  >                    Last TEVATRON File  Script Play
* Compare File < 5  > and File < 5  >    Last BIG      File  XV Capture
                                                             XV Display
* Restore File < 5  >                    * Protect File   <  Show Process
* Display Status of Restore              * Unprotect File <  ACL Edit/Run
* Delete File  < 5  >                                        Appl Help
* Modify File  <    >

* Diagnostics Subpage                    * Display Disk Quotas

* Old Data Save In File <    >

* Save Node/Crate
* Restore Node/Crate

                          Messages
```

Netscape: PA1554 SAVE/RESTORE (1)

File Edit View Go Window Help

Back Forward Reload Home Search Netscape Print Security Stop

Bookmarks Location: http://www-bd.fnal.gov/webhelp_edit/diagnostic_utility/pa1554d1.html

D1: SAVE/RESTORE (PA1554)

Index Page: Diagnostic/Utility ***Program*** D2 >> Main Menu

Page D1 is the console interface to the ACNET global SAVE, COMPARE, RESTORE system.

Level 2 Topics:

New_Features	Manually starting Archive save.
SRLIST	
no pdb	Examples
	questions
strange errors	REFRIGERATOR CURRENT SAVE FILE
family devices	Who are consoles 998 and 999?
Restoring Crates (NEW!)	Tevatron 465 with restore prop
Secret information	'Regular save' defaults

Edit Help

Security, Privacy, Legal