

$$S_{ys} = S_{itos} + b_1 (\ln BPh)$$

Parties Regs. plots

TEH 0352071

**N36747**

```

IAT6140 JOB ORIGIN FROM GROUP=ANYLOCAL, DSP=IR, DEVICE=INTRDR, 000 * CLI
//CAP363R JOB CCL5302,MSGCLASS=L, ==>C.G.PFEIFER, L5185 *
// USER=CAP363,PASSWORD=,MSGLEVEL=(0,0),
// CLASS=D,PRTY=5 SAS
20:54:56 IAT2000 JOB 3567 CAP363R SELECTED SYB GRP=BATCH
20:54:57 ICH70001I CAP363 LAST ACCESS AT 20:16:42 ON THURSDAY, APRIL 25, 1985
20:54:57 IEF403I CAP363R - STARTED - TIME=20.55.09
21:09:06 IEA848I NO DUMP WAS PRODUCED FOR THIS ABEND, DUE TO SYSTEM OR INSTALLATION REQUEST
21:09:07 IEF450I CAP363R SAS LISTRECS - ABEND=S322 U0000 REASON=000000000
21:09:07 TIME=21.09.19
21:09:13 IEF404I CAP363R - ENDED - TIME=21.09.26
21:09:13 IAT5400 JOB 3567 (CAP363R) IN BREAKDOWN

```

TEH 0352072

```

//CAP363R JOB CCL5302,MSGCLASS=L,==>C.G.PFEIFER, L5185      * CLI
//      USER=CAP363,PASSWORD=,MSGLEVEL=(0,0),              *
//      CLASS=D,PRTY=5 SAS                                     *
1 //CAP363R JOB CCL5302,MSGCLASS=L,==>C.G.PFEIFER, L5185      * CLI
//      USER=CAP363,PASSWORD=,MSGLEVEL=(0,0),              *
//      CLASS=D,PRTY=5 SAS                                     *

```

TEH 0352073

ICH700011 CAP363 LAST ACCESS AT 20:16:42 ON THURSDAY, APRIL 25, 1985  
 ICA8481 NO DUMP WAS PRODUCED FOR THIS ABEND, DUE TO SYSTEM OR INSTALLATION REQUEST  
 IEF4721 CAP363R SAS LISTRECS - COMPLETION CODE - SYSTEM=322 USER=0000 REASON=00000000  
 IEF2421 ALLOC. FOR CAP363R SAS LISTRECS AT ABEND  
 IEF2371 3E3 ALLOCATED TO LIBRARY  
 IEF2371 4C0 ALLOCATED TO STEPLIB  
 IEF2371 4C0 ALLOCATED TO  
 IEF2371 4C0 ALLOCATED TO  
 IEF2371 3E3 ALLOCATED TO  
 IEF2371 274 ALLOCATED TO SYS00090  
 IEF2371 4C0 ALLOCATED TO SASHELP  
 IEF2371 3F1 ALLOCATED TO WORK  
 IEF2371 JES3 ALLOCATED TO SMOUT  
 IEF2371 JES3 ALLOCATED TO FT11F001  
 IEF2371 JES3 ALLOCATED TO FT12F001  
 IEF2371 JES3 ALLOCATED TO FT13F001  
 IEF2371 DMY ALLOCATED TO FT14F001  
 IEF2371 3E1 ALLOCATED TO FT15F001  
 IEF2371 993 ALLOCATED TO C9PLIB  
 IEF2371 240 ALLOCATED TO SYS00092  
 IEF2371 991 ALLOCATED TO OLDLIB  
 IEF2371 993 ALLOCATED TO MESLIB  
 IEF2371 993 ALLOCATED TO NH2LIB  
 IEF2371 39C ALLOCATED TO NSS1  
 IEF2371 384 ALLOCATED TO NSS2  
 IEF2371 3A7 ALLOCATED TO NSS  
 IEF2371 4F7 ALLOCATED TO SYSIN  
 IEF2371 4A0 ALLOCATED TO SYS00094  
 IEF2371 4C2 ALLOCATED TO SORTLIB  
 IEF2371 JES3 ALLOCATED TO SYSOUT  
 IEF2371 3F3 ALLOCATED TO SASMK03  
 IEF2371 3F3 ALLOCATED TO SASMK02  
 IEF2371 3E1 ALLOCATED TO SASMK01  
 IEF2851 SYS05115.T205454.RA000.CAP363R.LIBRARY  
 IEF2851 VOL SER NOS= SYS3E3.  
 IEF2851 SAS.R824.LIBRARY  
 IEF2851 VOL SER NOS= TSOPP5.  
 IEF2851 SAS795.SASTAG.LIBRARY  
 IEF2851 VOL SER NOS= TSOPP5.  
 IEF2851 SAS.R823.SUPPLIB  
 IEF2851 VOL SER NOS= TSSMP5.  
 IEF2851 SYS05115.T205454.RA000.CAP363R.LIBRARY  
 IEF2851 VOL SER NOS= SYS3E3.  
 IEF2851 SYSUCAT.PRDC12  
 IEF2851 VOL SER NOS= PRDCT2.  
 IEF2851 SAS.R823.SASHELP  
 IEF2851 VOL SER NOS= TSOPP5.  
 IEF2851 SYS05115.T205454.RA000.CAP363R.R0000001  
 IEF2851 VOL SER NOS= SYS3F1.  
 IEF2851 SAS.LISTRECS.SMOUT  
 IEF2851 SAS.LISTRECS.FT11F001  
 IEF2851 SAS.LISTRECS.FT12F001  
 IEF2851 SAS.LISTRECS.FT13F001  
 IEF2851 SYS05115.T205454.RA000.CAP363R.R0000006  
 IEF2851 VOL SER NOS= SYS3E1.  
 IEF2851 CLCL.SAS.CGPDATA  
 IEF2851 VOL SER NOS= LPU002.  
 IEF2851 SYSUCAT.PRDC11  
 IEF2851 VOL SER NOS= PRDCT1.  
 IEF2851 CLCL.MES.SASDATA

PASSED  
 KEPT  
 KEPT  
 KEPT  
 PASSED  
 KEPT  
 KEPT  
 DELETED  
 SYSOUT  
 SYSOUT  
 SYSOUT  
 DELETED  
 KEPT  
 KEPT  
 KEPT

TEH 0352074

|         |                                                 |                           |         |
|---------|-------------------------------------------------|---------------------------|---------|
| IEF285I | VOL SER NOS= LPU001.                            |                           |         |
| IEF285I | CLCL.SAS.WESDATA                                |                           | KEPT    |
| IEF285I | VOL SER NOS= LPU002.                            |                           |         |
| IEF285I | CLCL.SAS.NHANE2.DU541101                        |                           | KEPT    |
| IEF285I | VOL SER NOS= LPU002.                            |                           |         |
| IEF285I | CLCL.\$TCC.HEHANE2.DU570101                     |                           | KEPT    |
| IEF285I | VOL SER NOS= KCX001.                            |                           |         |
| IEF285I | CLCL.\$TCC.HEHANE2.DU541101                     |                           | KEPT    |
| IEF285I | VOL SER NOS= KCL002.                            |                           |         |
| IEF285I | CLCL.\$TCC.HEHANE2.DU530501                     |                           | KEPT    |
| IEF285I | VOL SER NOS= KCL004.                            |                           |         |
| IEF285I | CAP363.SAS.SOURCE                               |                           | KEPT    |
| IEF285I | VOL SER NOS= TS0203.                            |                           |         |
| IEF285I | SYSUCAT.TSOCT2                                  |                           | KEPT    |
| IEF285I | VOL SER NOS= TS0CT2.                            |                           |         |
| IEF285I | SYS1.SORTLIB                                    |                           | KEPT    |
| IEF285I | VOL SER NOS= PP0002.                            |                           |         |
| IEF285I | SAS.LISTRECS.SYSOUT                             |                           | SYSOUT  |
| IEF285I | SYS85115.T20537.RA000.CAP363R.R0000000          |                           | DELETED |
| IEF285I | VOL SER NOS= SYS3F3.                            |                           |         |
| IEF285I | SYS85115.T20537.RA000.CAP363R.R0000001          |                           | DELETED |
| IEF285I | VOL SER NOS= SYS3F3.                            |                           |         |
| IEF285I | SYS85115.T20537.RA000.CAP363R.R0000002          |                           | DELETED |
| IEF285I | VOL SER NOS= SYS3E1.                            |                           |         |
| CAP363R | SAS SASLPA 20:55 21:09 \$00254.48 028.00 1062K  | 00/0001919 00/0000000 *** |         |
| IEF285I | SYS85115.T205454.RA000.CAP363R.LIBRARY          |                           | DELETED |
| IEF285I | VOL SER NOS= SYS3E3.                            |                           |         |
| IEF285I | SYS85115.T205454.RA000.CAP363R.LIBRARY          |                           | KEPT    |
| IEF285I | VOL SER NOS= SYS3E3.                            |                           |         |
| CAP363R | ENDED TOTAL COST \$ 00254.48 20:55 21:09 85.115 |                           | ID=P3BN |

TEH 0352075

DUP050300713

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEEMALES

DEP VARIABLE: SY\_BLD\_S

| SOURCE   | DF        | SUM OF SQUARES | MEAN SQUARE | F VALUE  | PROB>F |
|----------|-----------|----------------|-------------|----------|--------|
| MODEL    | 65        | 52430883       | 806629      | 1622.851 | 0.0001 |
| ERROR    | 3375      | 1677525        | 497.044     |          |        |
| U TOTAL  | 3440      | 54108408       |             |          |        |
| ROOT MSE | 22.294491 | R-SQUARE       | 0.9690      |          |        |
| DEP MEAN | 123.293   | ADJ R-SQ       | 0.9684      |          |        |
| C.V.     | 18.08252  |                |             |          |        |

NOTE: NO INTERCEPT TERM IS USED. R-SQUARE IS REDEFINED.

| VARIABLE | DF | PARAMETER ESTIMATE | STANDARD ERROR | T FOR H0: PARAMETER=0 | PROB >  T | TOLERANCE | VARIANCE INFLATION |
|----------|----|--------------------|----------------|-----------------------|-----------|-----------|--------------------|
| SITE_X1  | 1  | 118.347            | 2.964428       | 39.922                | 0.0001    | 1.009009  | 0.991072           |
| SITE_X2  | 1  | 123.049            | 3.153890       | 39.015                | 0.0001    | 1.014123  | 0.986073           |
| SITE_X3  | 1  | 125.230            | 4.004278       | 31.274                | 0.0001    | 1.009059  | 0.991023           |
| SITE_X4  | 1  | 116.435            | 4.987492       | 23.345                | 0.0001    | 1.004923  | 0.995101           |
| SITE_X5  | 1  | 126.723            | 2.670319       | 47.456                | 0.0001    | 1.016481  | 0.983786           |
| SITE_X6  | 1  | 135.833            | 3.666994       | 37.042                | 0.0001    | 1.009880  | 0.990217           |
| SITE_X7  | 1  | 125.400            | 2.629702       | 47.666                | 0.0001    | 1.019614  | 0.980763           |
| SITE_X8  | 1  | 118.515            | 2.703610       | 43.836                | 0.0001    | 1.020162  | 0.980237           |
| SITE_X9  | 1  | 117.806            | 3.414845       | 34.498                | 0.0001    | 1.003801  | 0.996214           |
| SITE_X10 | 1  | 120.109            | 3.573090       | 33.615                | 0.0001    | 1.009705  | 0.990388           |
| SITE_X11 | 1  | 117.988            | 3.196852       | 36.907                | 0.0001    | 1.006896  | 0.993151           |
| SITE_X12 | 1  | 113.337            | 3.955714       | 28.652                | 0.0001    | 1.001969  | 0.998035           |
| SITE_X13 | 1  | 130.933            | 2.421205       | 54.078                | 0.0001    | 1.022772  | 0.977735           |
| SITE_X14 | 1  | 121.736            | 2.404096       | 50.637                | 0.0001    | 1.025624  | 0.975016           |
| SITE_X15 | 1  | 132.997            | 3.218430       | 41.323                | 0.0001    | 1.013837  | 0.986352           |
| SITE_X16 | 1  | 111.956            | 3.074964       | 36.409                | 0.0001    | 1.007354  | 0.992699           |
| SITE_X17 | 1  | 122.182            | 3.530128       | 34.611                | 0.0001    | 1.008886  | 0.991212           |
| SITE_X18 | 1  | 120.845            | 4.234978       | 28.535                | 0.0001    | 0.997893  | 1.002111           |
| SITE_X19 | 1  | 124.575            | 3.329739       | 37.413                | 0.0001    | 1.009441  | 0.990647           |
| SITE_X20 | 1  | 121.792            | 3.497949       | 34.818                | 0.0001    | 1.002747  | 0.997260           |
| SITE_X21 | 1  | 119.654            | 3.570576       | 33.511                | 0.0001    | 1.011127  | 0.988996           |
| SITE_X22 | 1  | 112.419            | 3.092592       | 36.351                | 0.0001    | 1.014756  | 0.985459           |
| SITE_X23 | 1  | 117.260            | 3.010041       | 38.956                | 0.0001    | 1.013648  | 0.986535           |
| SITE_X24 | 1  | 124.793            | 3.194088       | 39.070                | 0.0001    | 1.008639  | 0.991435           |
| SITE_X25 | 1  | 123.232            | 3.285253       | 37.511                | 0.0001    | 0.993423  | 1.006620           |
| SITE_X26 | 1  | 125.379            | 2.669882       | 46.960                | 0.0001    | 1.016814  | 0.983464           |
| SITE_X27 | 1  | 122.040            | 2.872564       | 42.485                | 0.0001    | 0.973963  | 1.026733           |
| SITE_X28 | 1  | 124.694            | 2.591744       | 48.112                | 0.0001    | 1.021936  | 0.978535           |
| SITE_X29 | 1  | 125.192            | 2.855059       | 43.849                | 0.0001    | 1.017666  | 0.982640           |
| SITE_X30 | 1  | 123.570            | 2.537431       | 52.866                | 0.0001    | 1.016021  | 0.984232           |
| SITE_X31 | 1  | 123.997            | 2.808351       | 44.153                | 0.0001    | 0.988243  | 1.011897           |
| SITE_X32 | 1  | 116.369            | 3.156044       | 36.872                | 0.0001    | 1.012739  | 0.987421           |
| SITE_X33 | 1  | 131.349            | 2.749164       | 47.778                | 0.0001    | 1.015929  | 0.984321           |
| SITE_X34 | 1  | 119.846            | 2.876166       | 41.669                | 0.0001    | 1.002784  | 0.997223           |
| SITE_X35 | 1  | 128.396            | 3.006847       | 42.701                | 0.0001    | 1.015803  | 0.984442           |

TEH 0352077

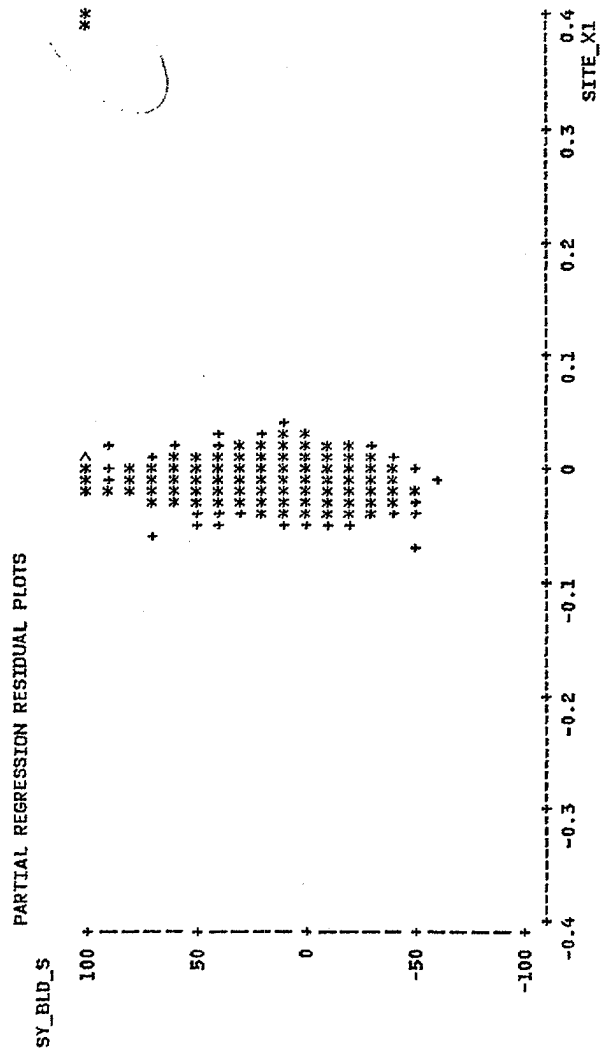
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=FEMALES

| VARIABLE | DF | PARAMETER<br>ESTIMATE | STANDARD<br>ERROR | T FOR H0:<br>PARAMETER=0 | PROB >  T | TOLERANCE | VARIANCE<br>INFLATION |
|----------|----|-----------------------|-------------------|--------------------------|-----------|-----------|-----------------------|
| SITE_X36 | 1  | 137.852               | 2.831813          | 48.680                   | 0.0001    | 0.986829  | 1.013347              |
| SITE_X37 | 1  | 123.077               | 3.218602          | 38.239                   | 0.0001    | 1.013729  | 0.986457              |
| SITE_X38 | 1  | 122.568               | 3.185121          | 38.481                   | 0.0001    | 1.014327  | 0.985876              |
| SITE_X39 | 1  | 119.731               | 2.982956          | 40.138                   | 0.0001    | 1.014008  | 0.986185              |
| SITE_X40 | 1  | 125.115               | 3.769342          | 33.193                   | 0.0001    | 1.009805  | 0.990291              |
| SITE_X41 | 1  | 122.581               | 3.951200          | 31.024                   | 0.0001    | 1.004260  | 0.995758              |
| SITE_X42 | 1  | 116.152               | 3.834077          | 30.295                   | 0.0001    | 1.004404  | 0.995616              |
| SITE_X43 | 1  | 120.730               | 3.323982          | 36.321                   | 0.0001    | 1.012940  | 0.987225              |
| SITE_X44 | 1  | 124.961               | 3.217941          | 38.833                   | 0.0001    | 1.014146  | 0.986052              |
| SITE_X45 | 1  | 121.016               | 3.010988          | 40.192                   | 0.0001    | 1.013011  | 0.987156              |
| SITE_X46 | 1  | 114.113               | 3.255952          | 35.048                   | 0.0001    | 1.011393  | 0.988745              |
| SITE_X47 | 1  | 126.160               | 2.484018          | 50.789                   | 0.0001    | 1.018472  | 0.981863              |
| SITE_X48 | 1  | 126.609               | 2.690751          | 47.054                   | 0.0001    | 1.015310  | 0.984920              |
| SITE_X49 | 1  | 126.114               | 3.130304          | 40.288                   | 0.0001    | 1.009575  | 0.990516              |
| SITE_X50 | 1  | 114.272               | 3.824923          | 29.876                   | 0.0001    | 1.009217  | 0.990867              |
| SITE_X51 | 1  | 135.357               | 3.255154          | 41.582                   | 0.0001    | 1.011879  | 0.988260              |
| SITE_X52 | 1  | 120.215               | 3.399879          | 35.358                   | 0.0001    | 1.012658  | 0.987500              |
| SITE_X53 | 1  | 117.166               | 3.323707          | 35.251                   | 0.0001    | 1.013108  | 0.987061              |
| SITE_X54 | 1  | 118.199               | 3.399881          | 34.766                   | 0.0001    | 1.012657  | 0.987502              |
| SITE_X55 | 1  | 117.073               | 3.571450          | 32.780                   | 0.0001    | 1.010632  | 0.989479              |
| SITE_X56 | 1  | 119.841               | 2.979784          | 40.218                   | 0.0001    | 1.016168  | 0.984089              |
| SITE_X57 | 1  | 133.507               | 2.241108          | 59.572                   | 0.0001    | 1.029239  | 0.971591              |
| SITE_X58 | 1  | 124.571               | 2.844426          | 43.795                   | 0.0001    | 1.009051  | 0.991030              |
| SITE_X59 | 1  | 122.077               | 3.043385          | 40.112                   | 0.0001    | 1.009623  | 0.990469              |
| SITE_X60 | 1  | 131.420               | 2.744271          | 47.889                   | 0.0001    | 1.019555  | 0.980020              |
| SITE_X61 | 1  | 116.201               | 3.361458          | 34.569                   | 0.0001    | 1.012693  | 0.987466              |
| SITE_X62 | 1  | 129.728               | 2.832986          | 45.792                   | 0.0001    | 1.017216  | 0.983075              |
| SITE_X63 | 1  | 121.227               | 2.546735          | 47.601                   | 0.0001    | 1.018049  | 0.982271              |
| SITE_X64 | 1  | 118.205               | 2.83193           | 41.633                   | 0.0001    | 1.012774  | 0.987387              |
| L_BLD_PB | 1  | 9.329999              | 1.161294          | 8.034                    | 0.0001    | 0.755682  | 1.323307              |

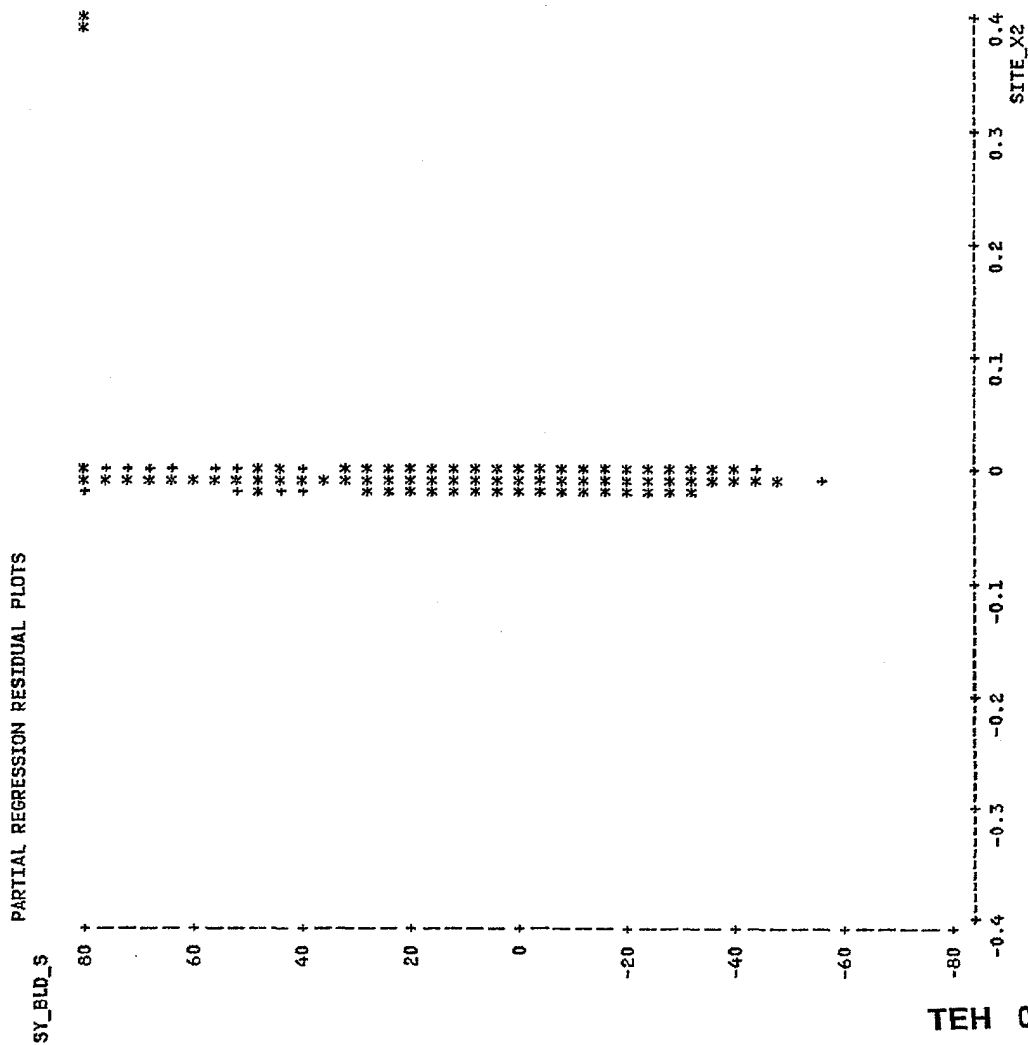
TEH 0352078

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_\$ DEPENDENT



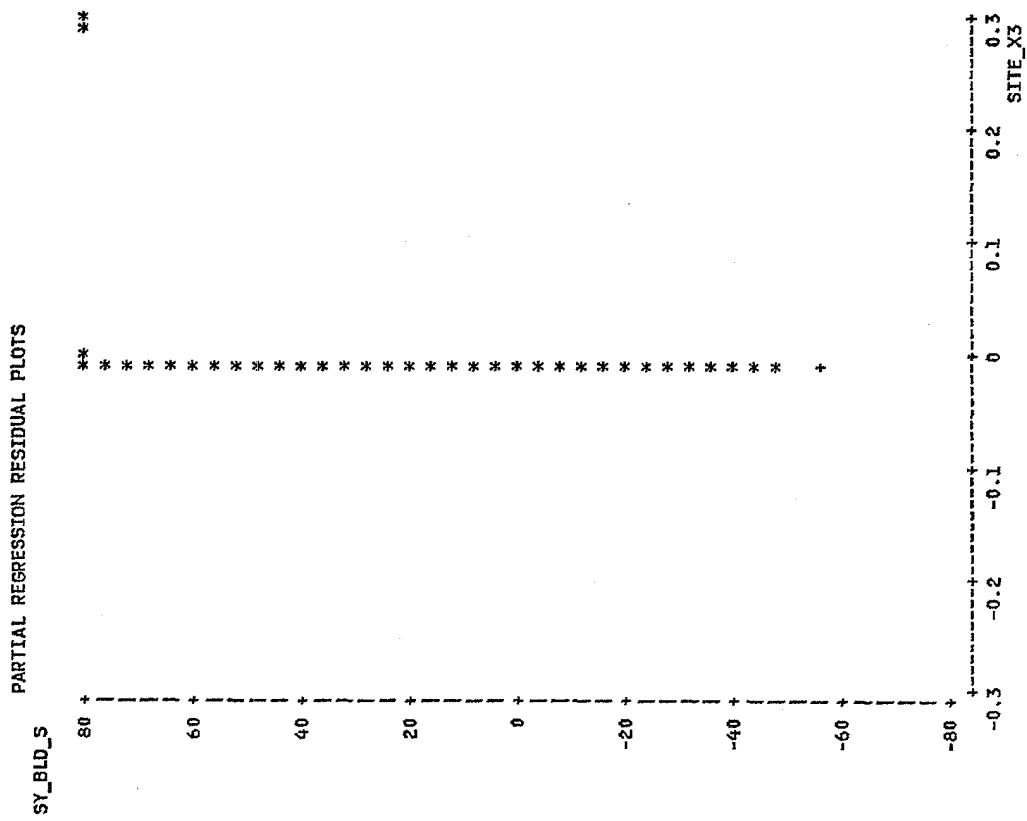
DUP050300716

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT



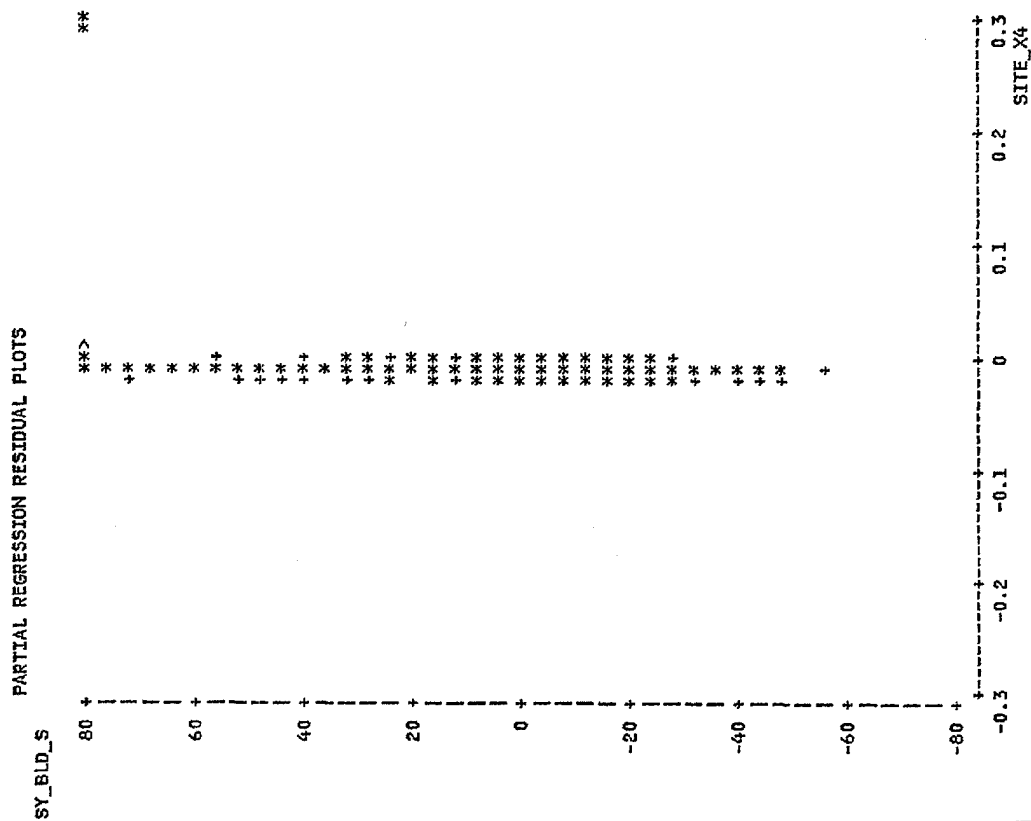
TEH 0352080

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES



REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

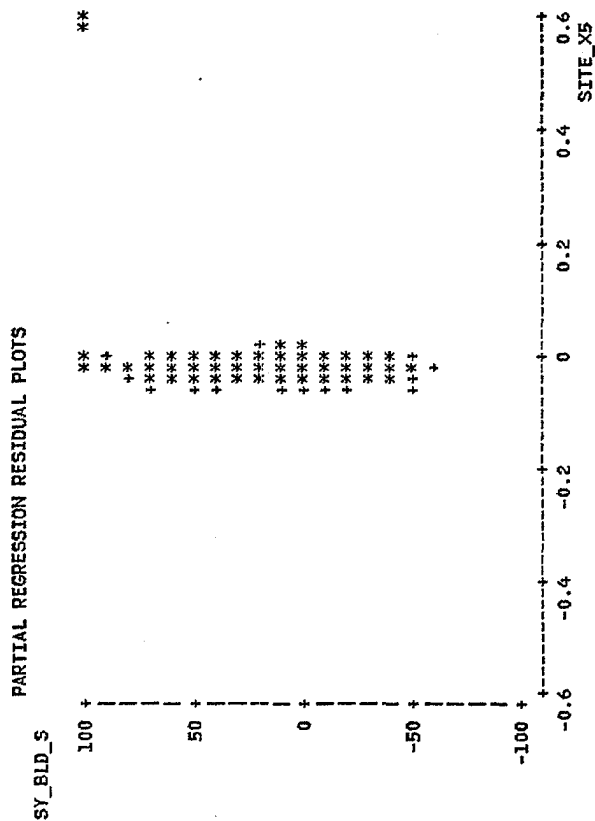
GROUP=FEMALES



TEH 0352082

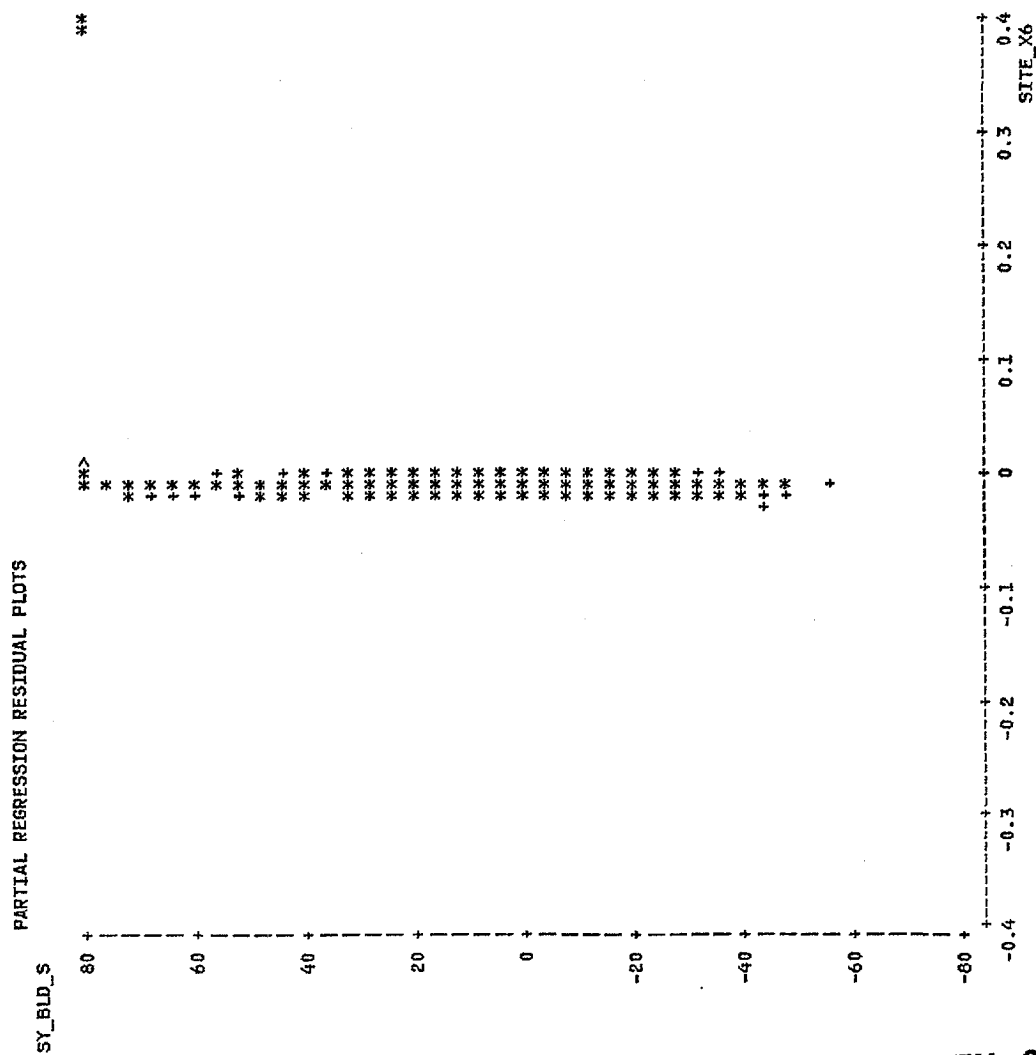
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_5 DEPENDENT

GROUP=FEMALES



TEH 0352083

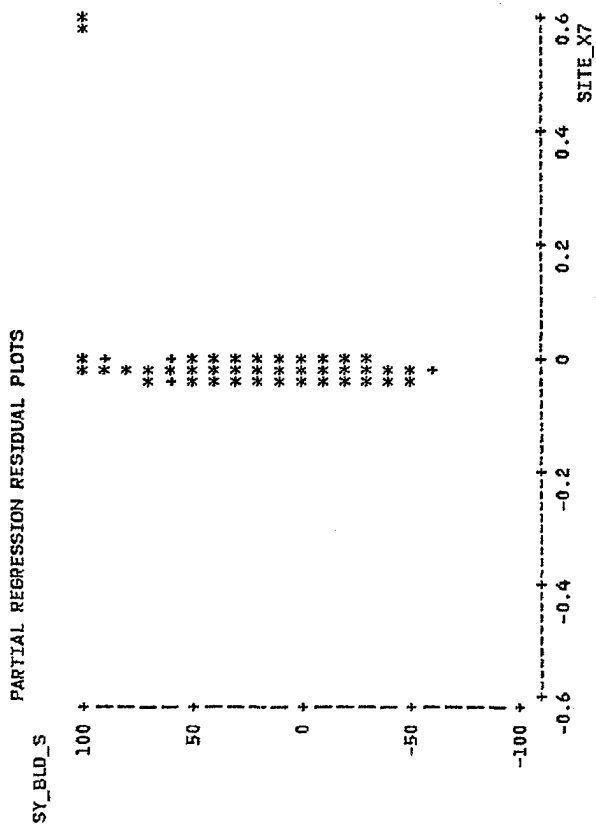
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_\$ DEPENDENT



TEH 0352084

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=FEMALES



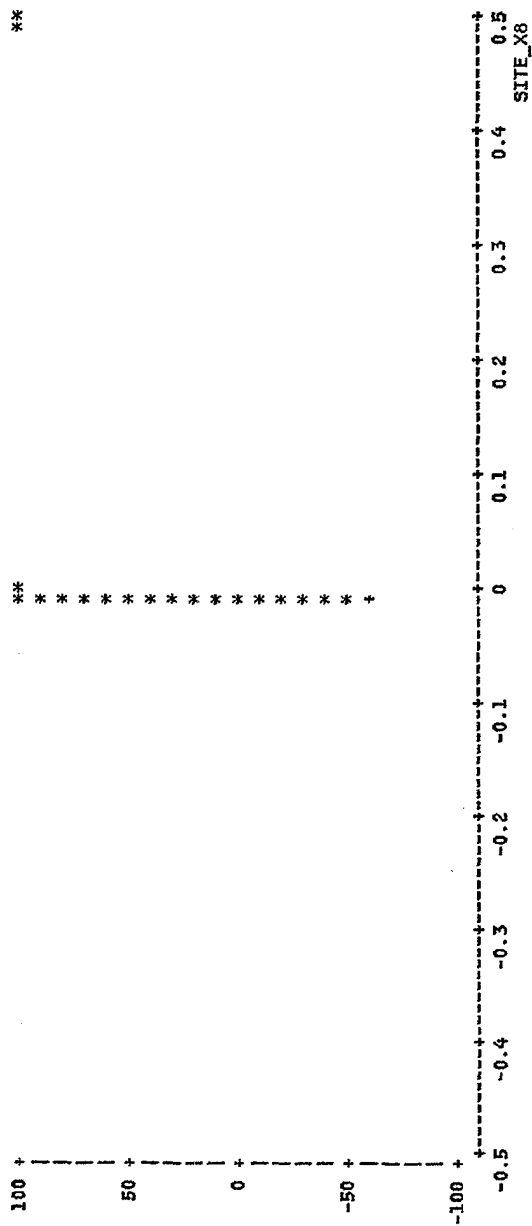
TEH 0352085

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_5 DEPENDENT

**GROUP=FEMALES**

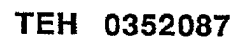
### PARTIAL REGRESSION RESIDUAL PLOTS

SY\_BLD\_S



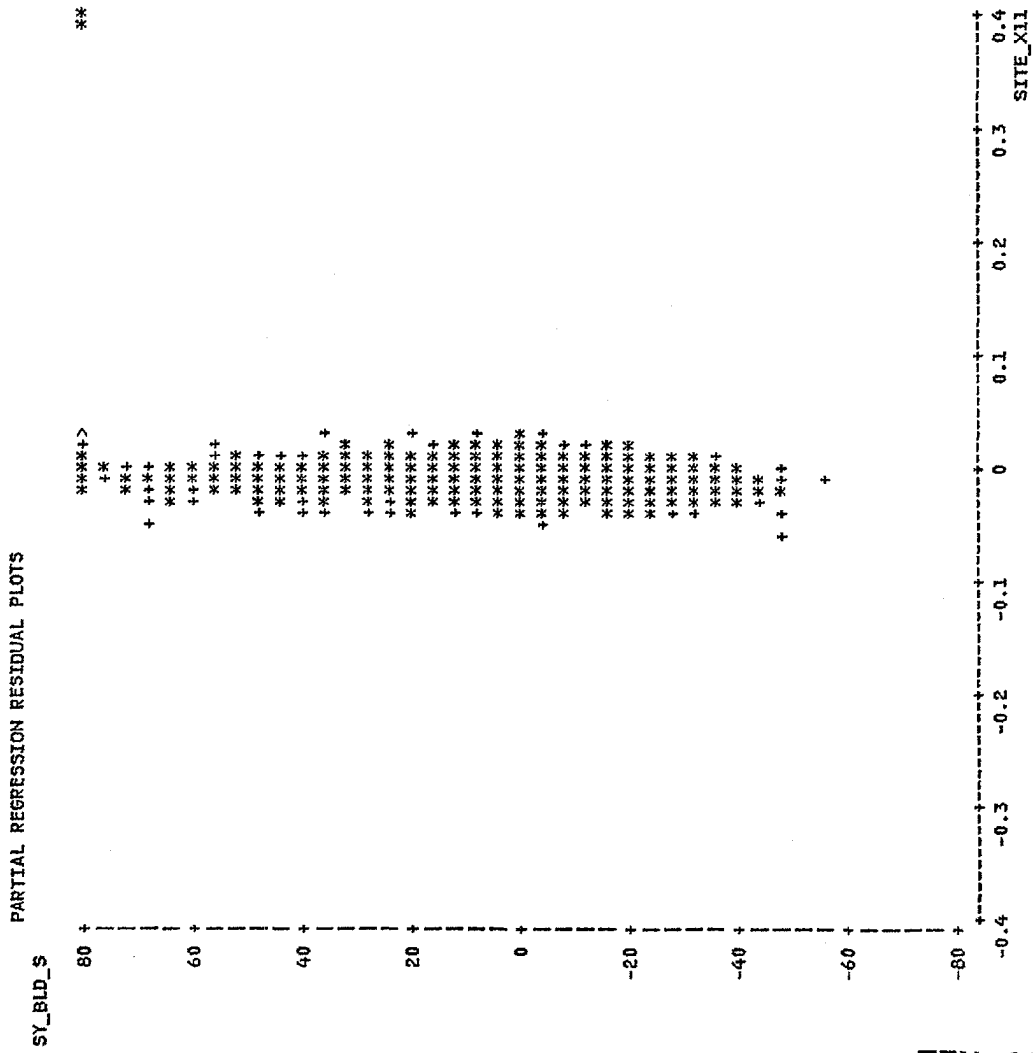
TEH 0352086

20:55 THURSDAY, APRIL 25, 1985  
11

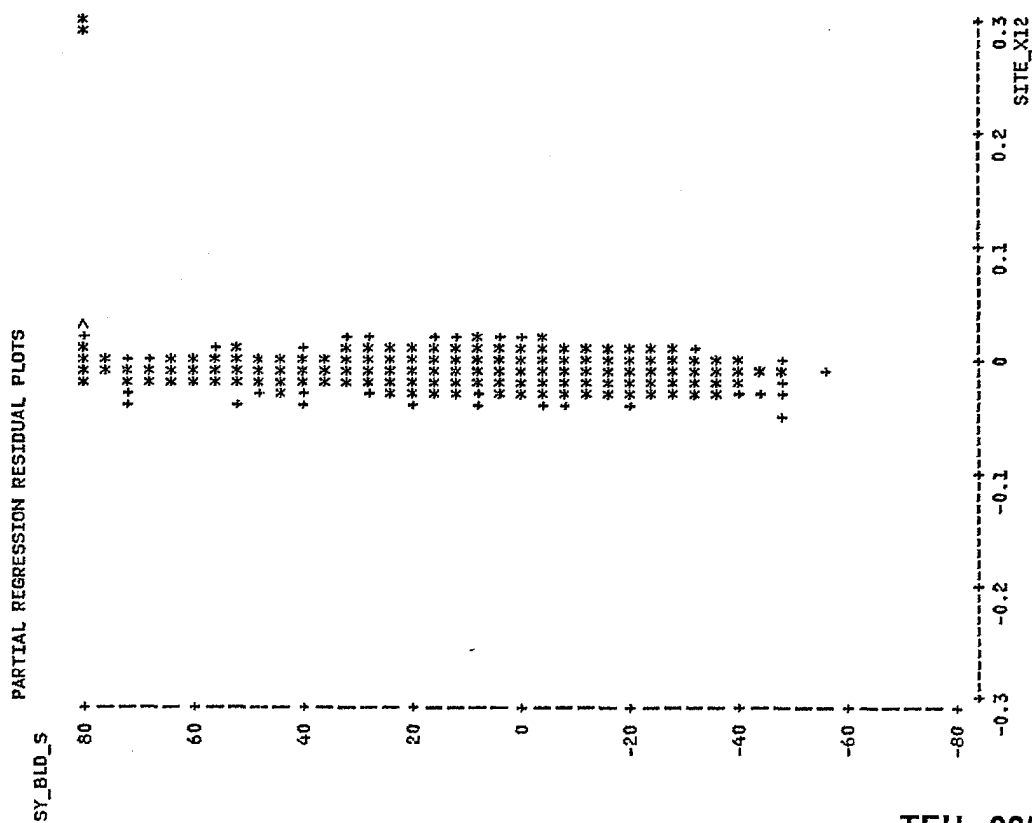




REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES



TEH 0352089

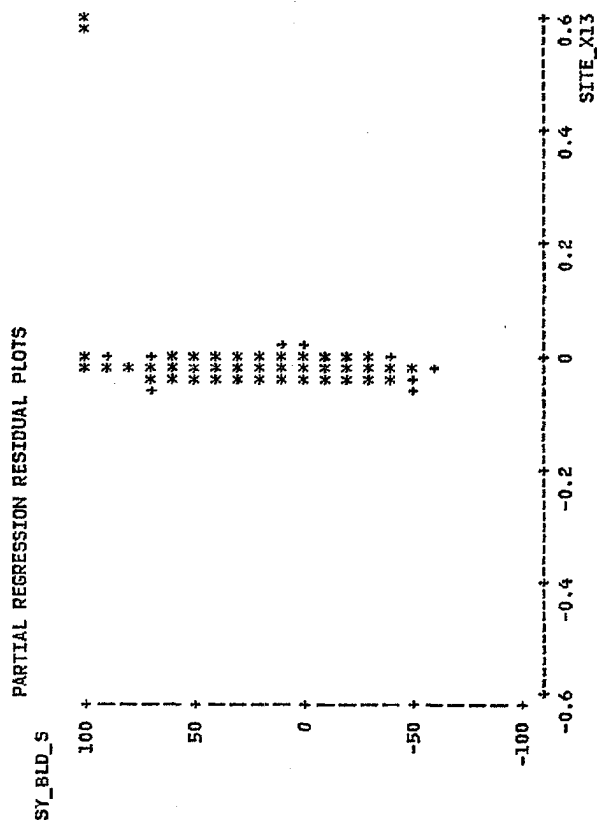


TEH 0352090

15  
20:55 THURSDAY, APRIL 25, 1985

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

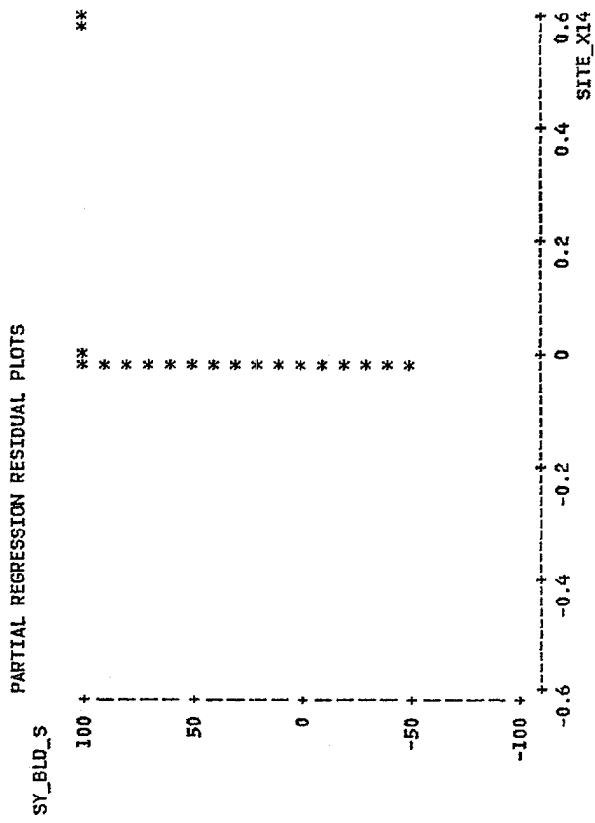
GROUP=FEMALES



TEH 0352091

20:55 THURSDAY, APRIL 25, 1985 16

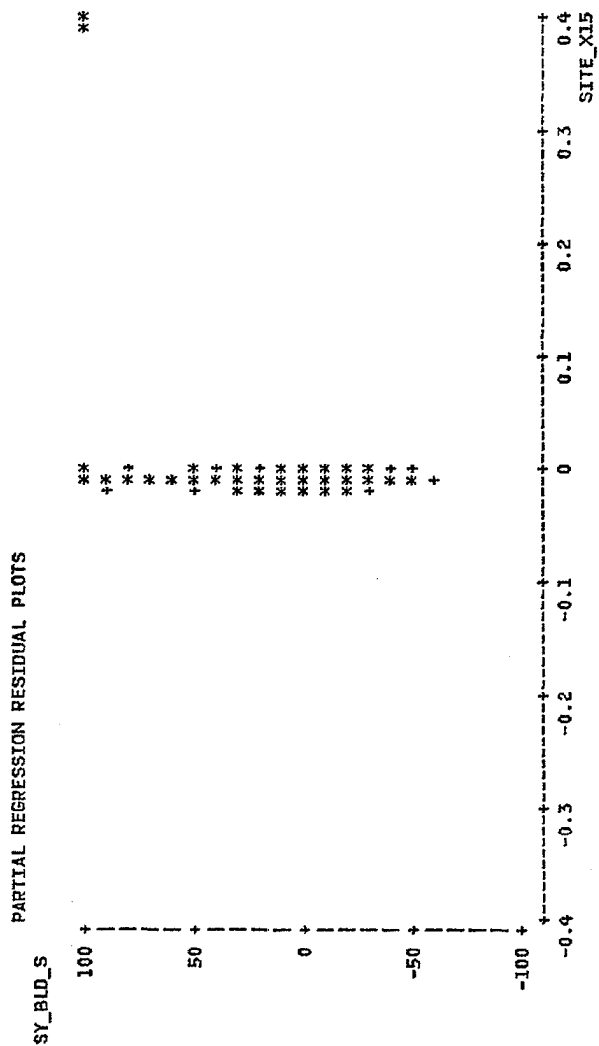
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES



TEH 0352092

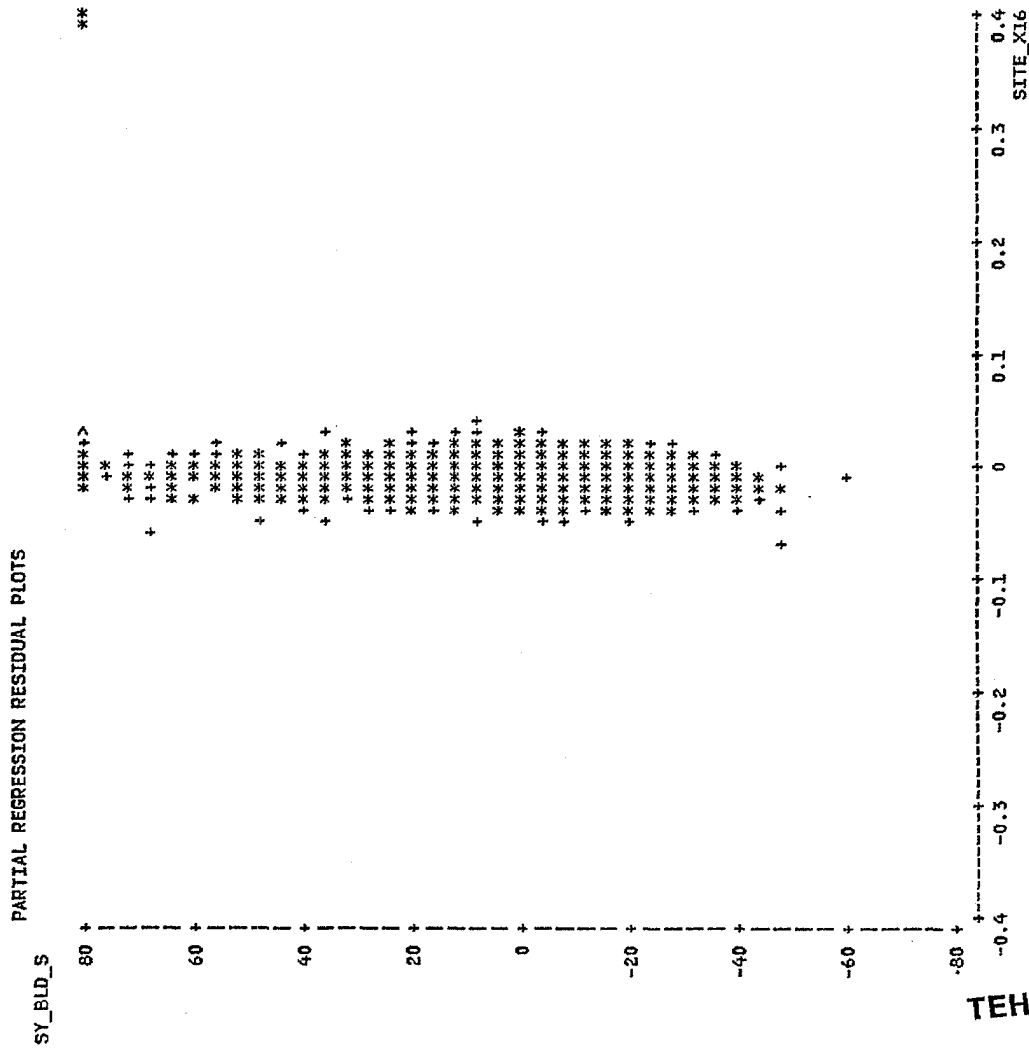
17  
20:55 THURSDAY, APRIL 25, 1985

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES



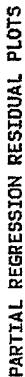
TEH 0352093

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES



TEH 0352094

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY BLD \$ DEPENDENT

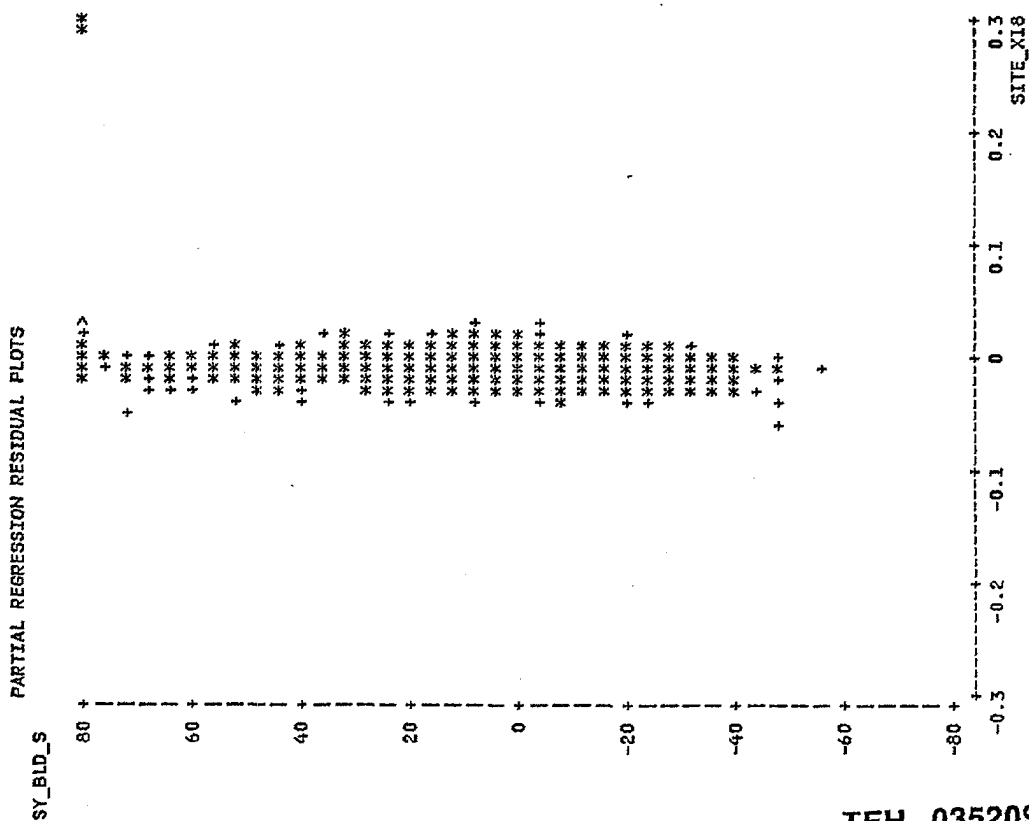


**TEH 0352095**

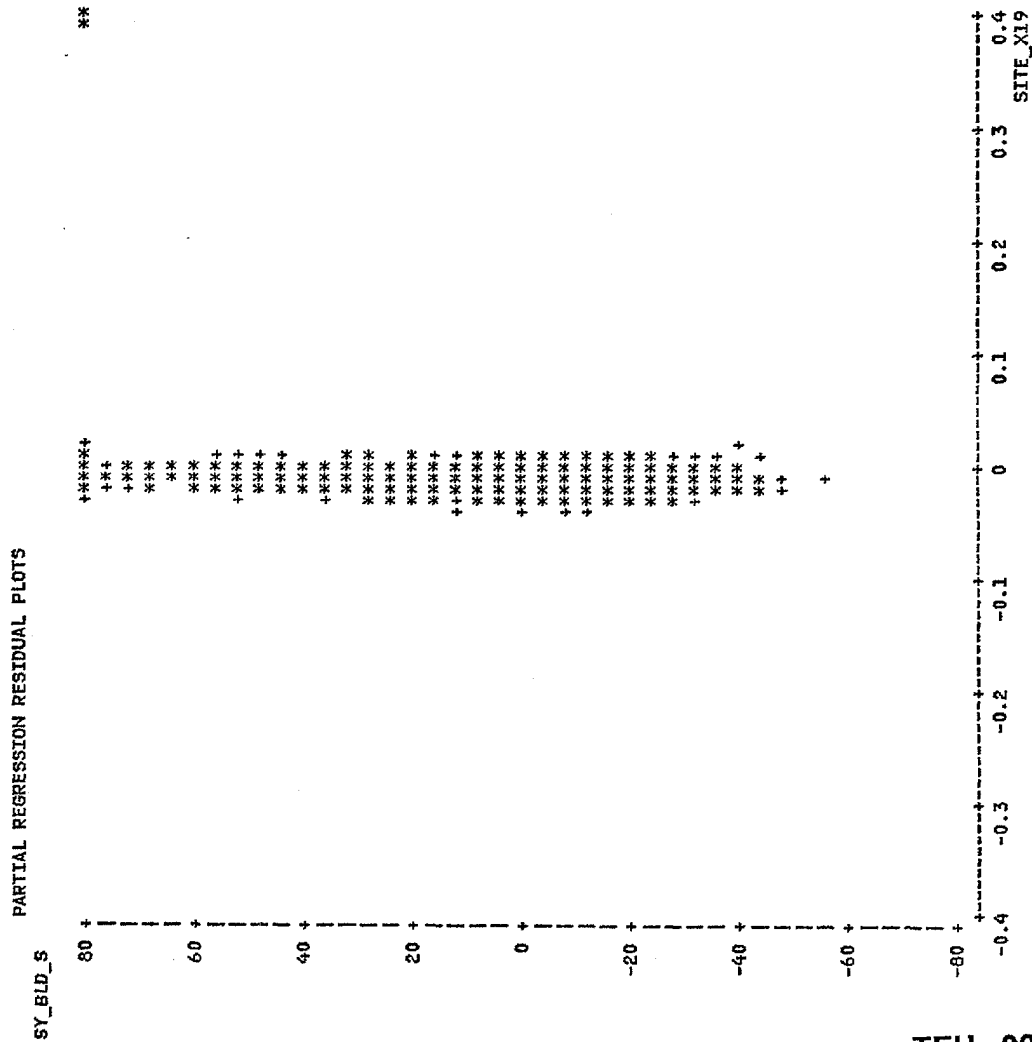
20:55 THURSDAY, APRIL 25, 1985

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=FEMALES

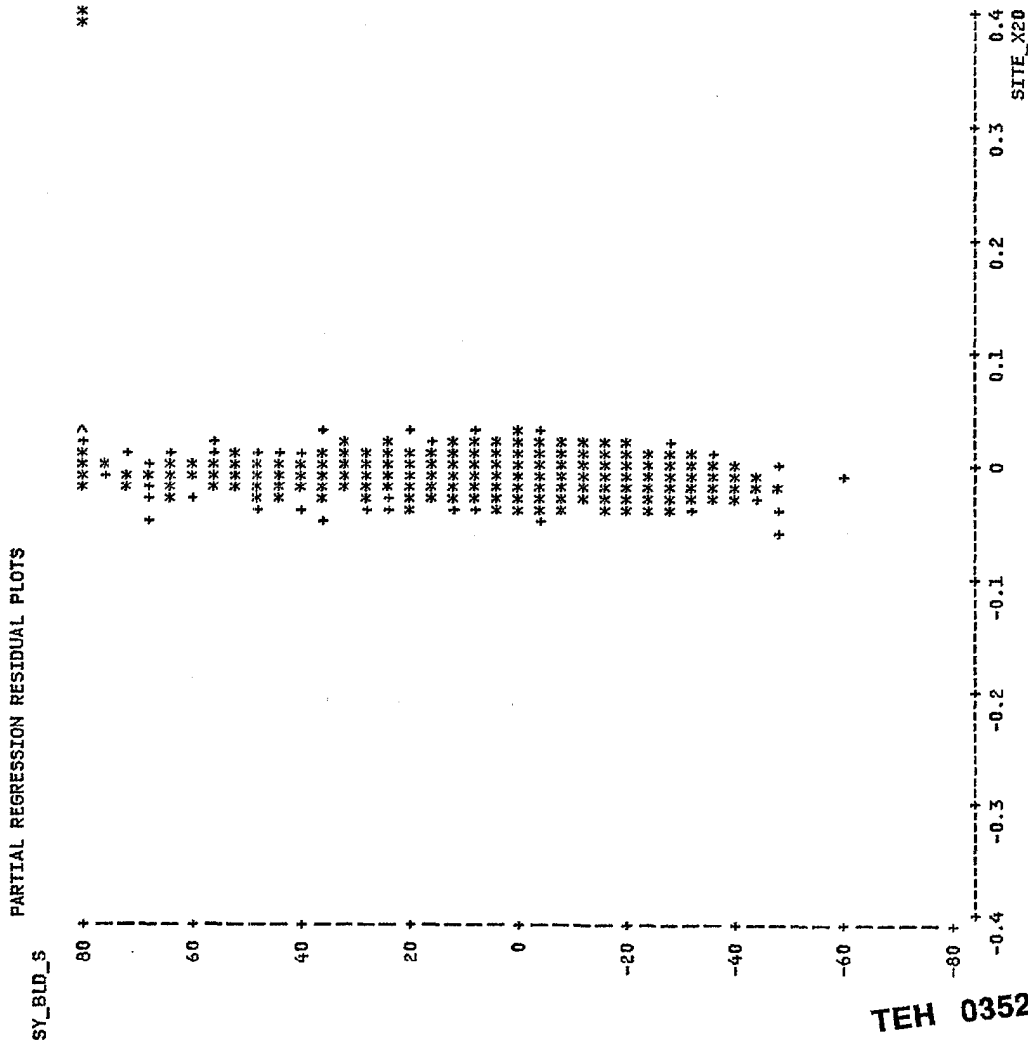


REGRESSION ON RAW DATA BY GROUPS FOR MODEL I-SY\_BLD\_S DEPENDENT



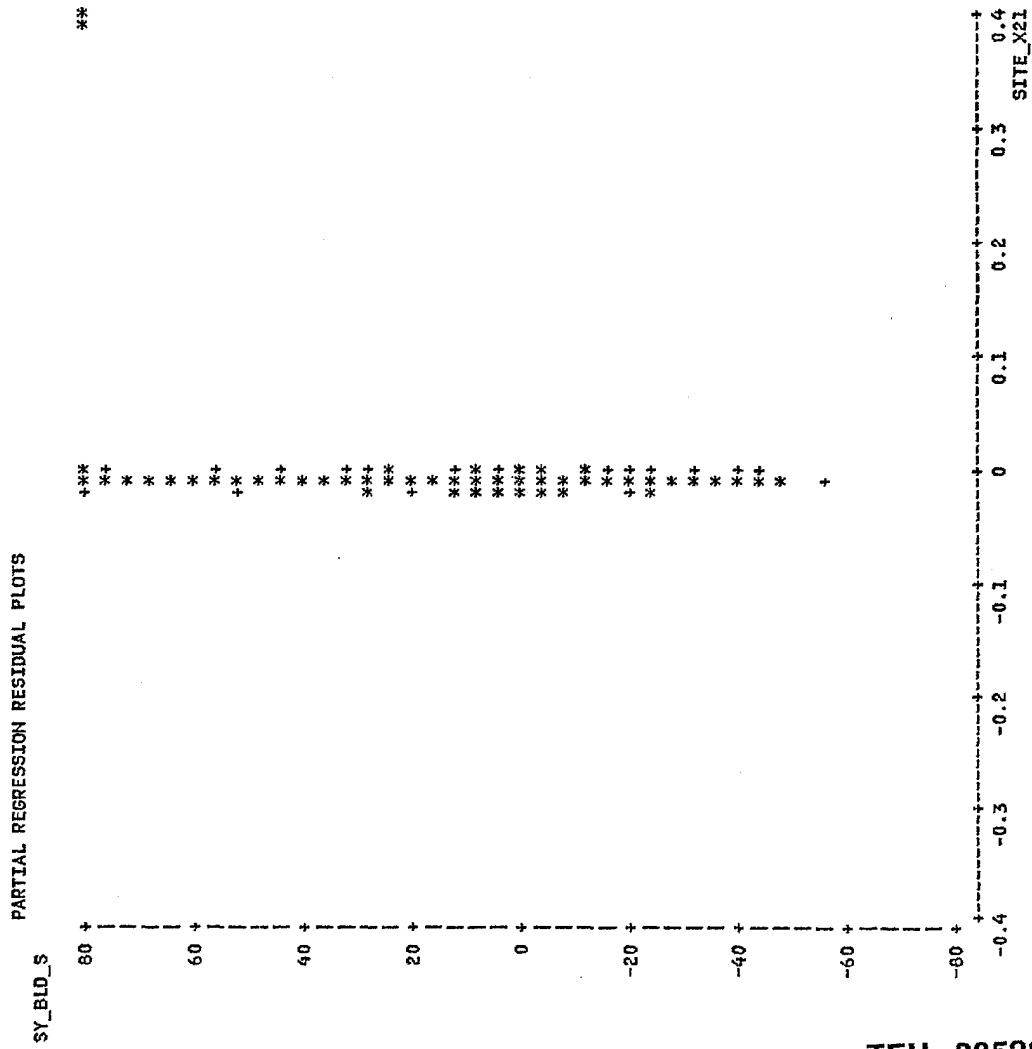
TEH 0352097

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES



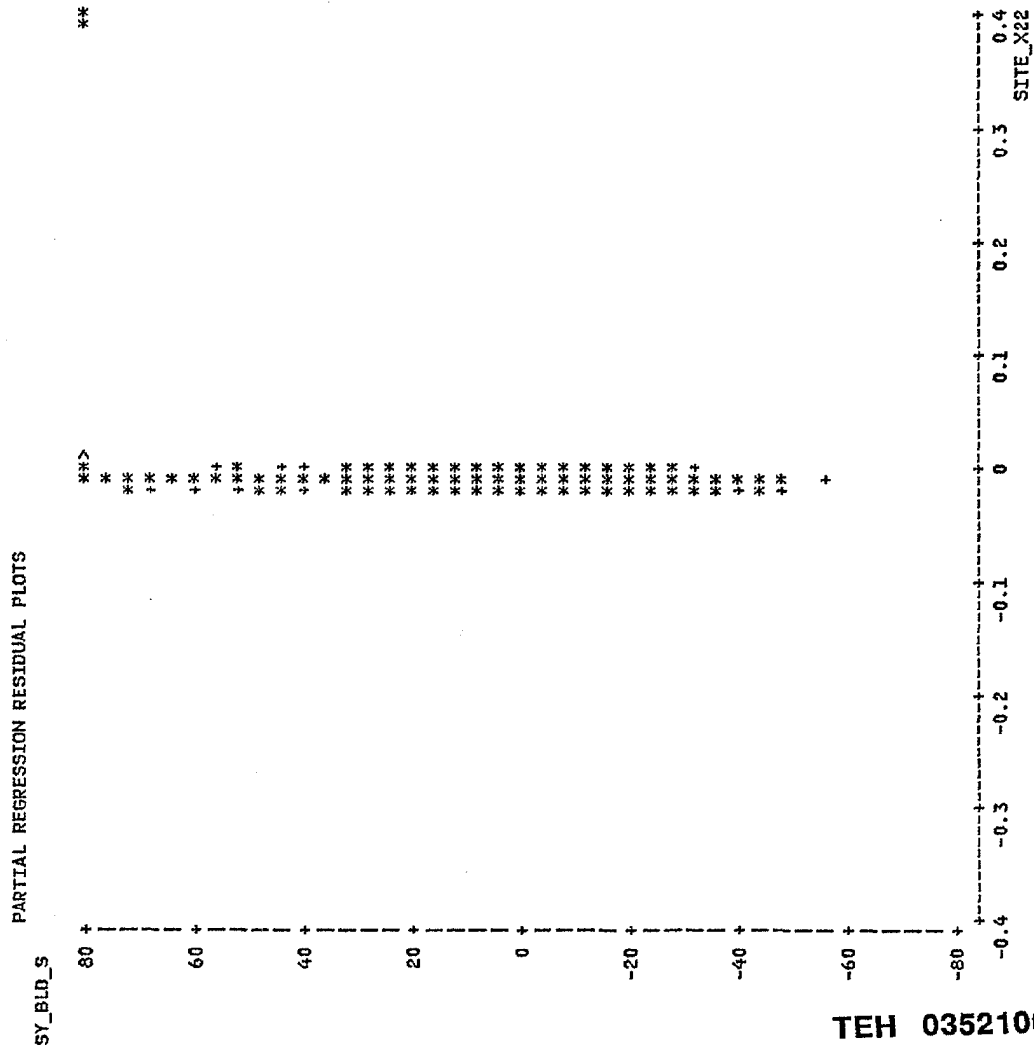
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=FEMALES



TEH 0352099

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

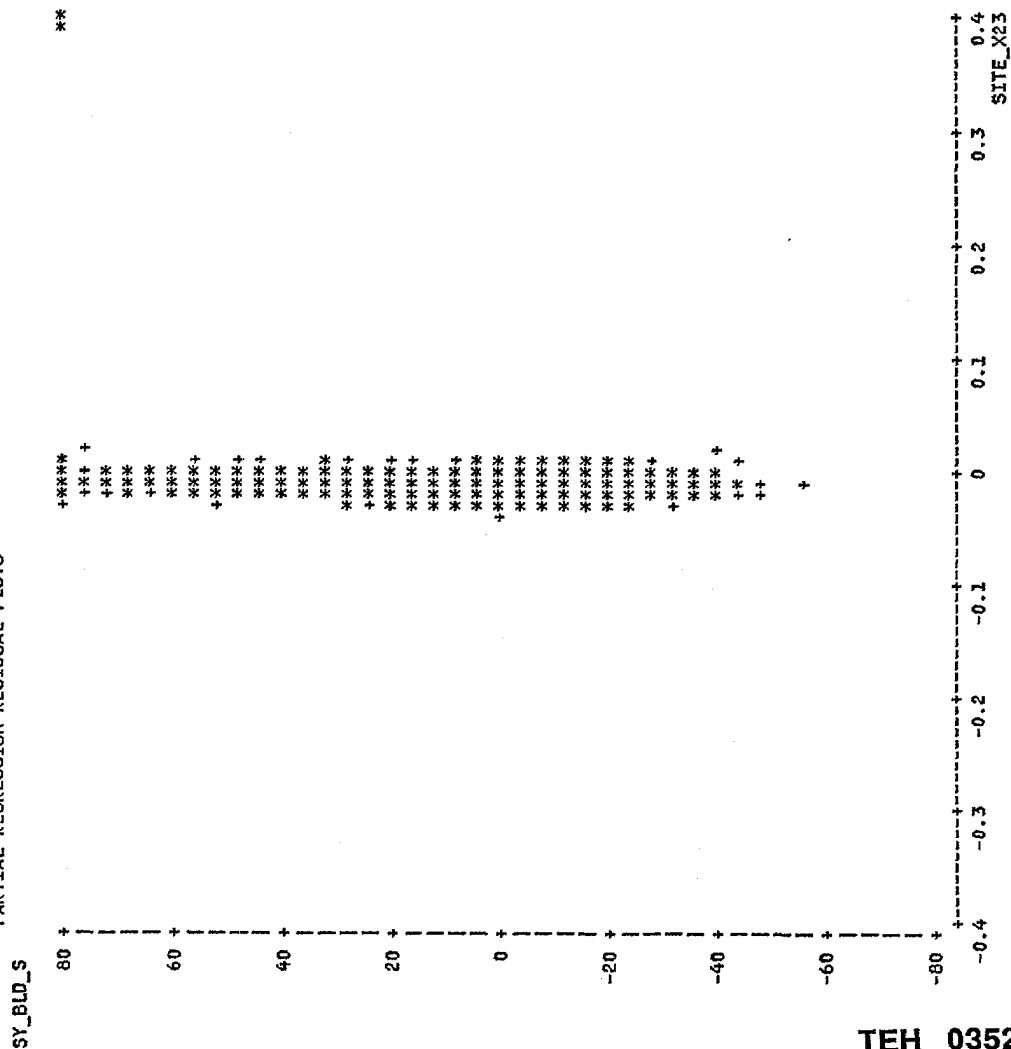


TEH 0352100

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

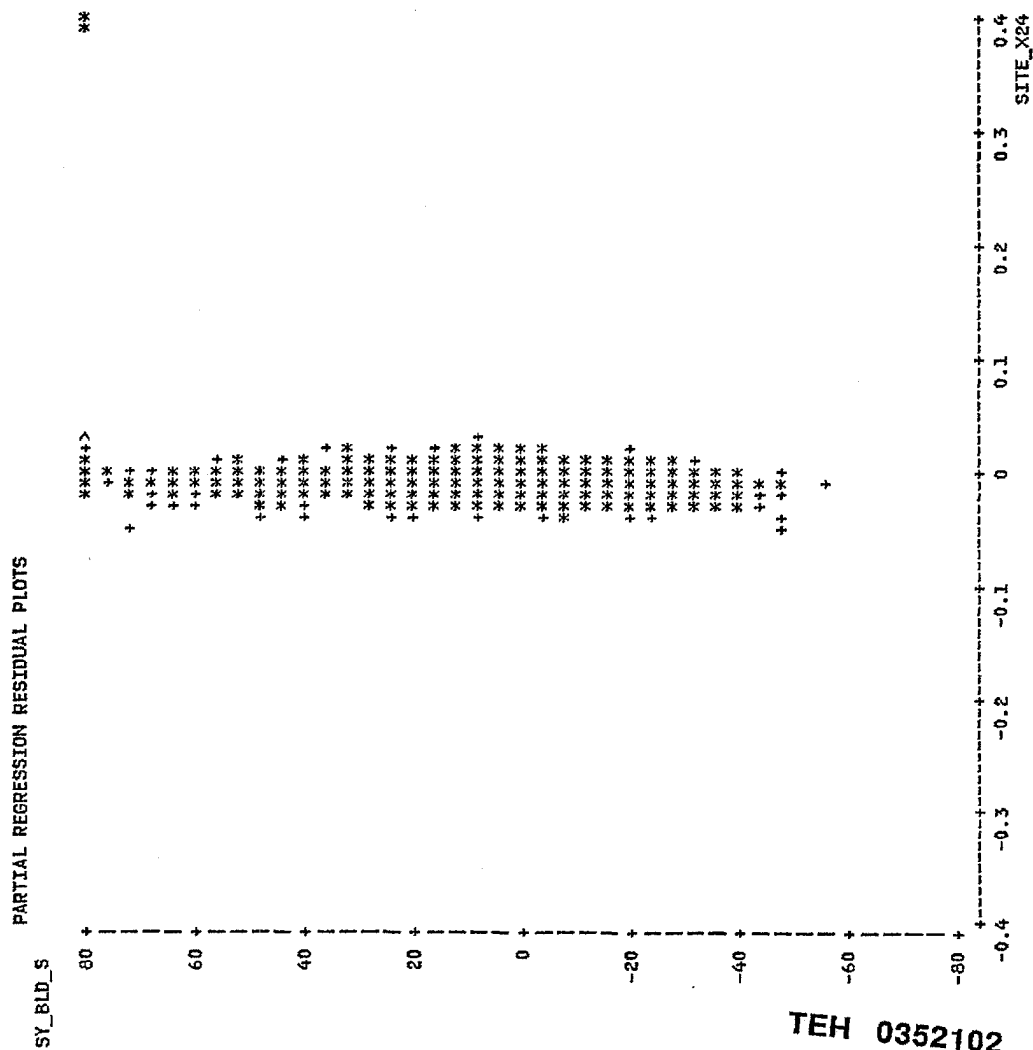
GROUP=FEMALES

PARTIAL REGRESSION RESIDUAL PLOTS



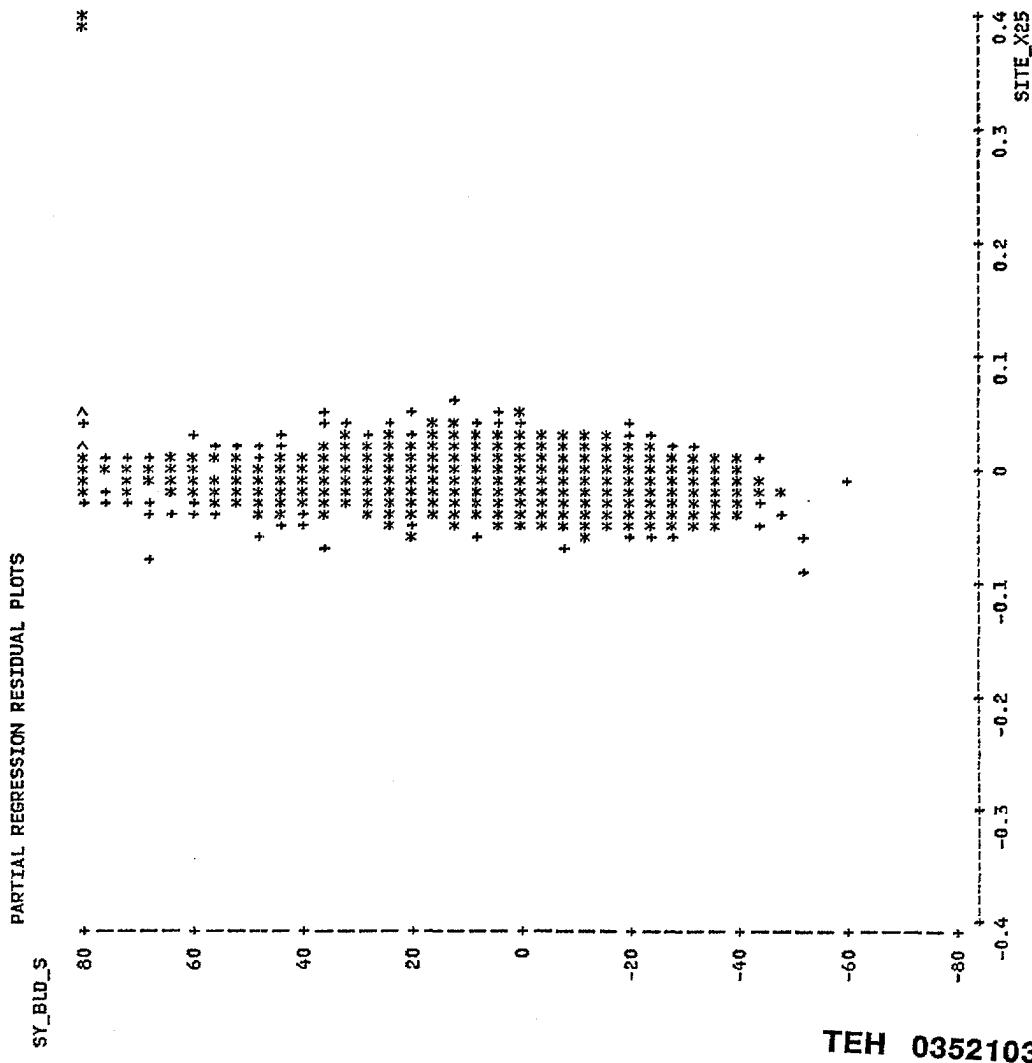
TEH 0352101

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT



REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

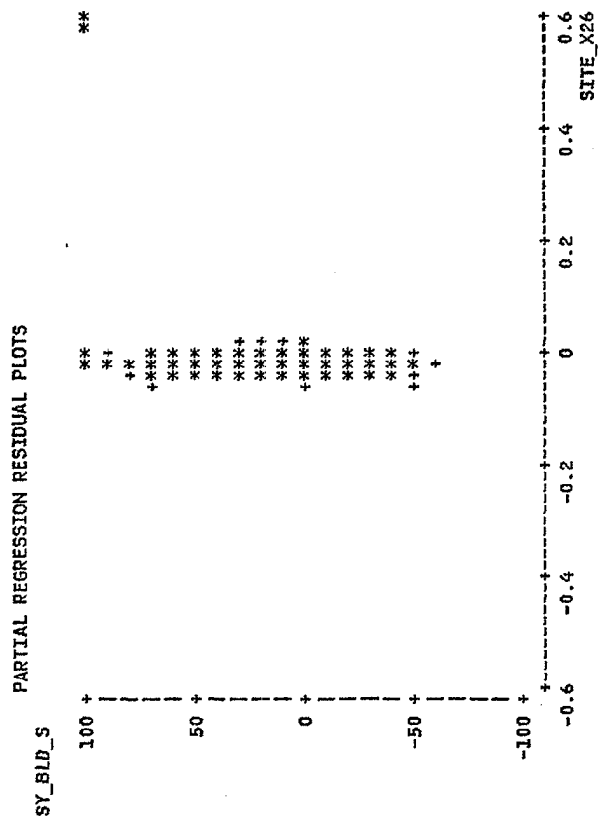
GROUP=FEMALES



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20:55 THURSDAY, APRIL 25, 1985

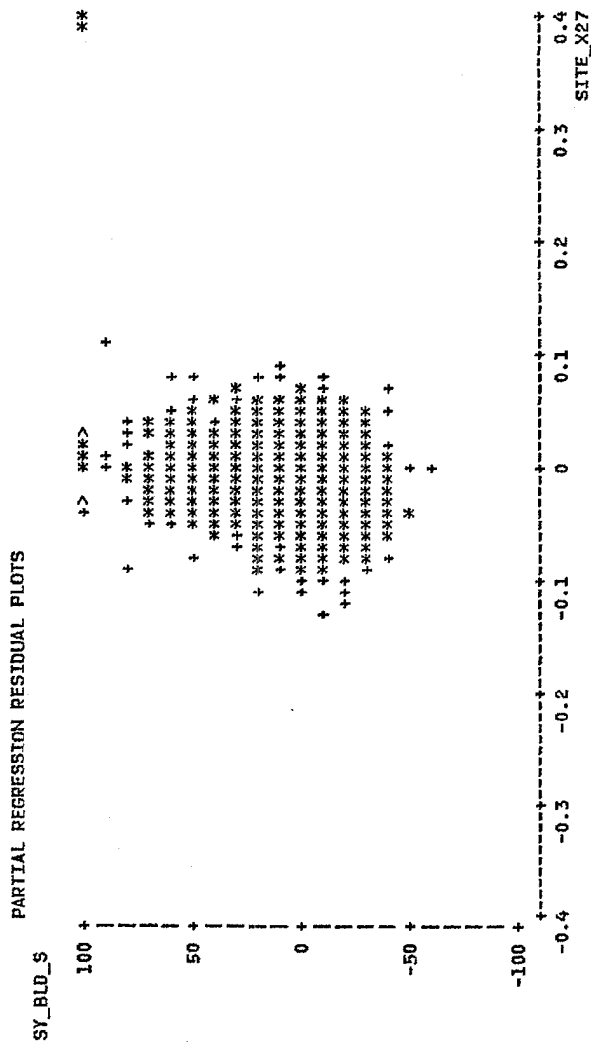
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=FEMALES



TEH 0352104

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES

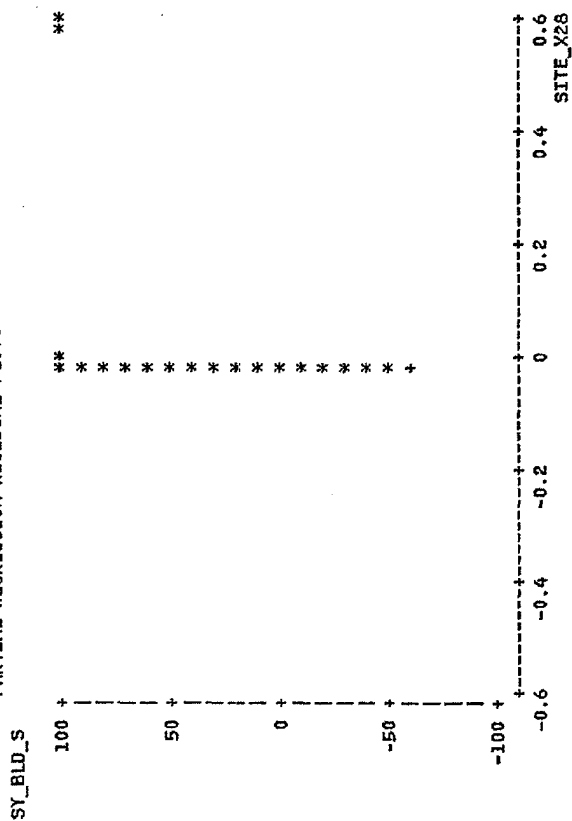


TEH 0352105

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_\$ DEPENDENT

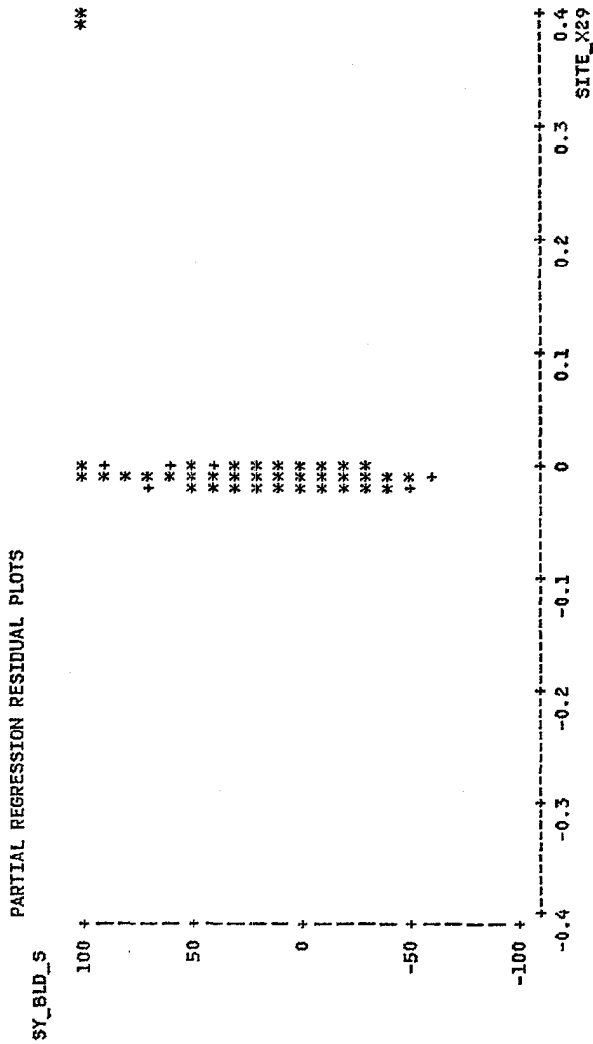
GROUP=FEMALES

### PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352106

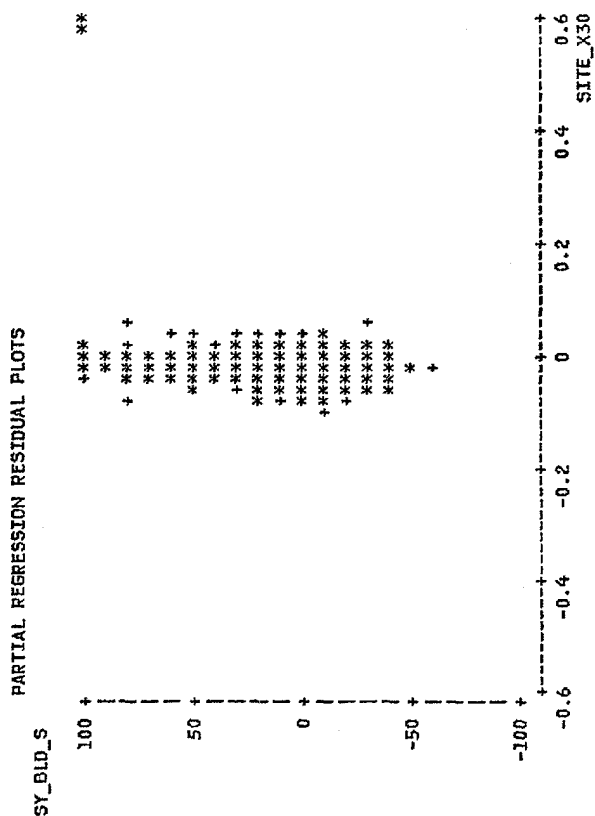
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES



TEH 0352107

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

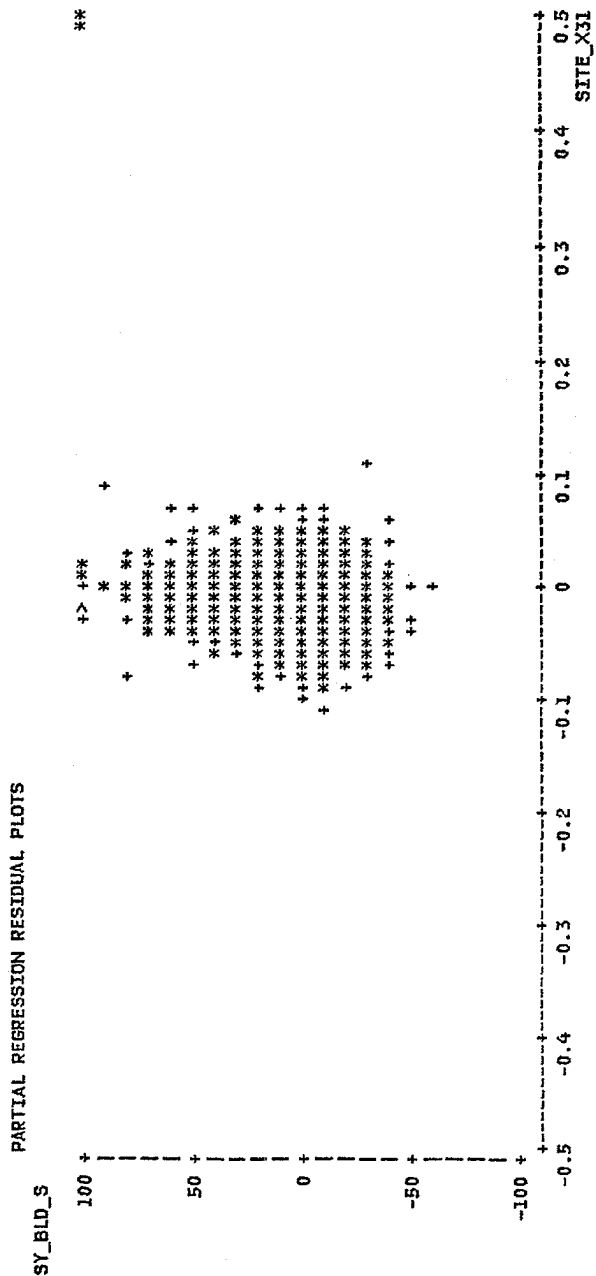
GROUP=FEMALES



TEH 0352108

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=FEMALES

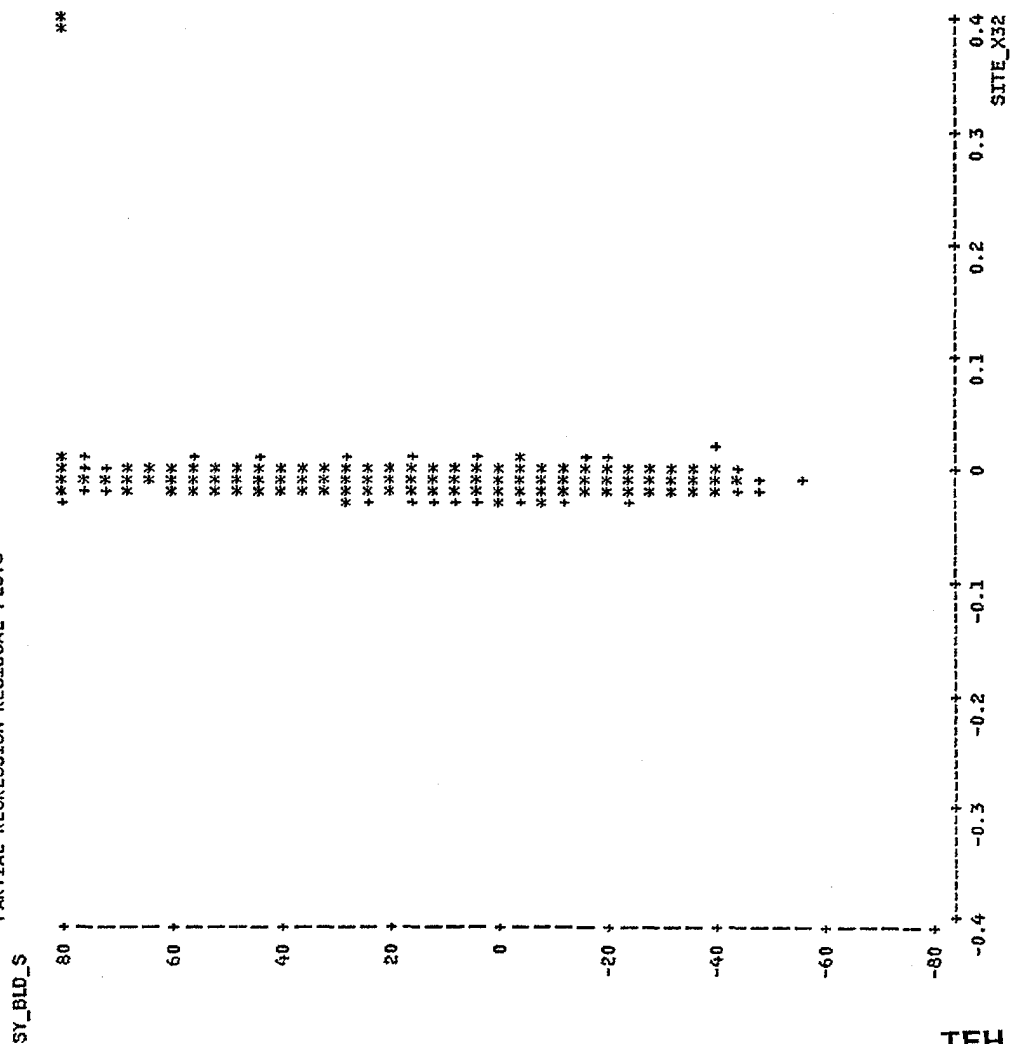


TEH 0352109

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=FEMALES

PARTIAL REGRESSION RESIDUAL PLOTS

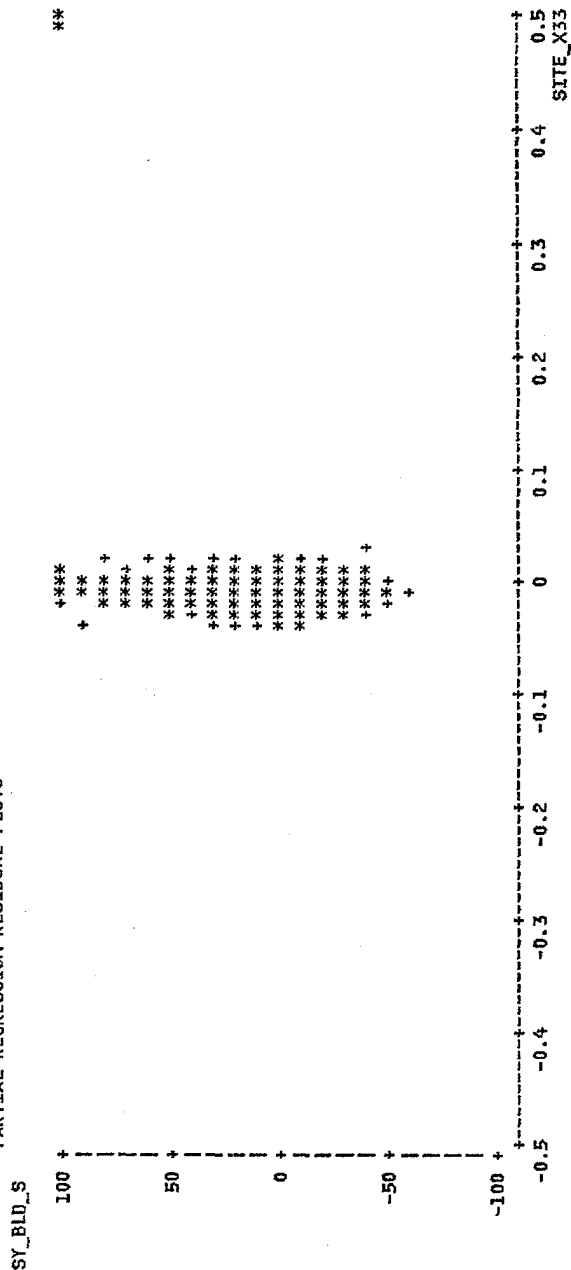


TEH 0352110

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=FEMALES

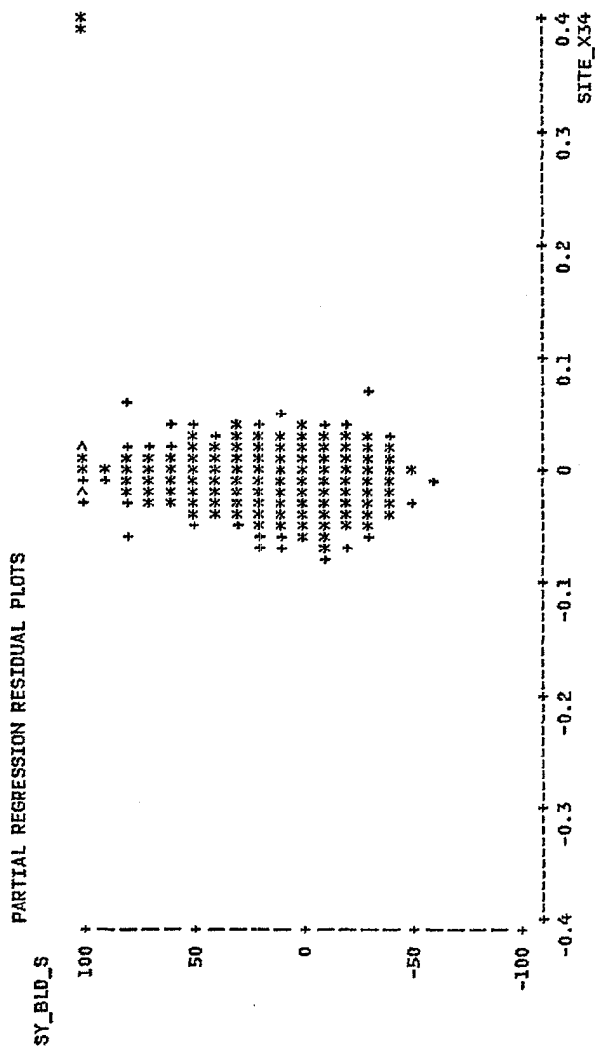
PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352111

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

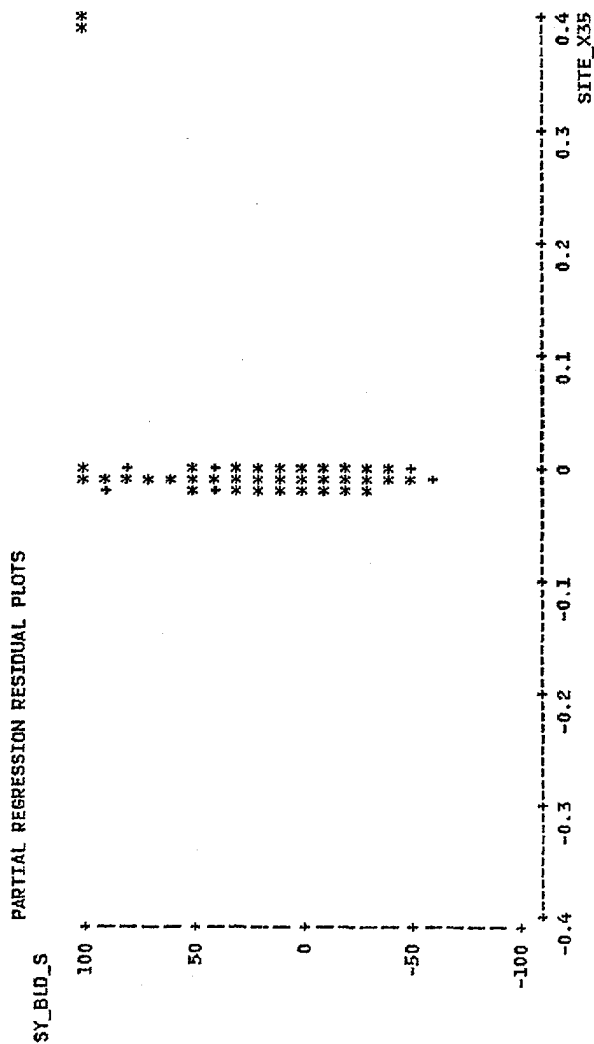
GROUP=FEMALES



TEH 0352112

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=FEMALES

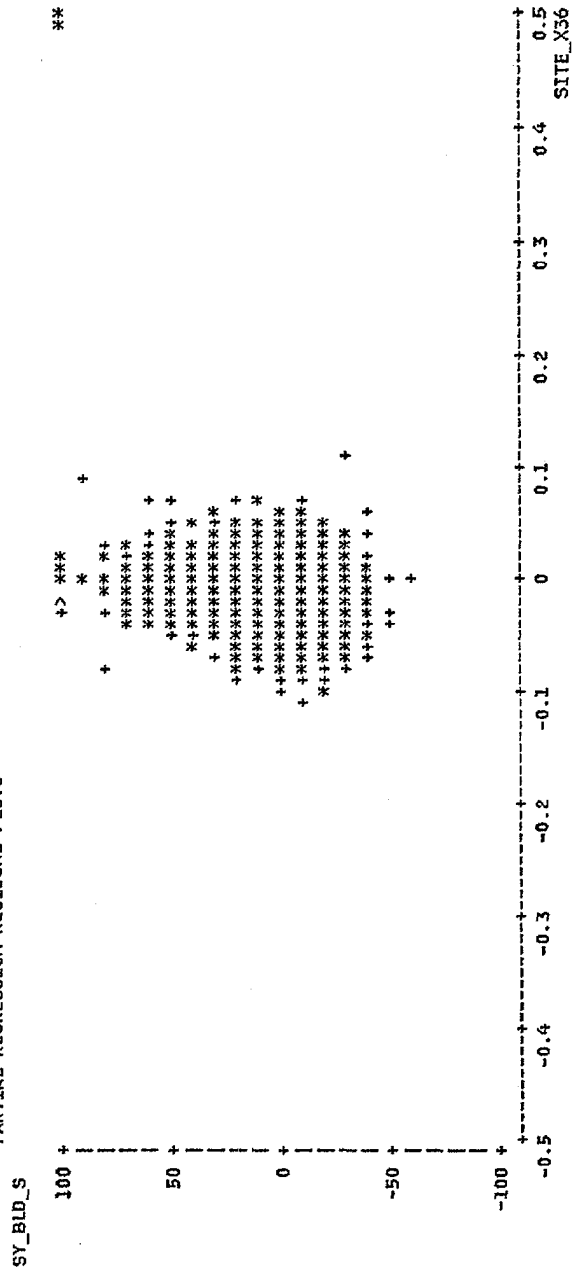


TEH 0352113

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=FEMALES

PARTIAL REGRESSION RESIDUAL PLOTS

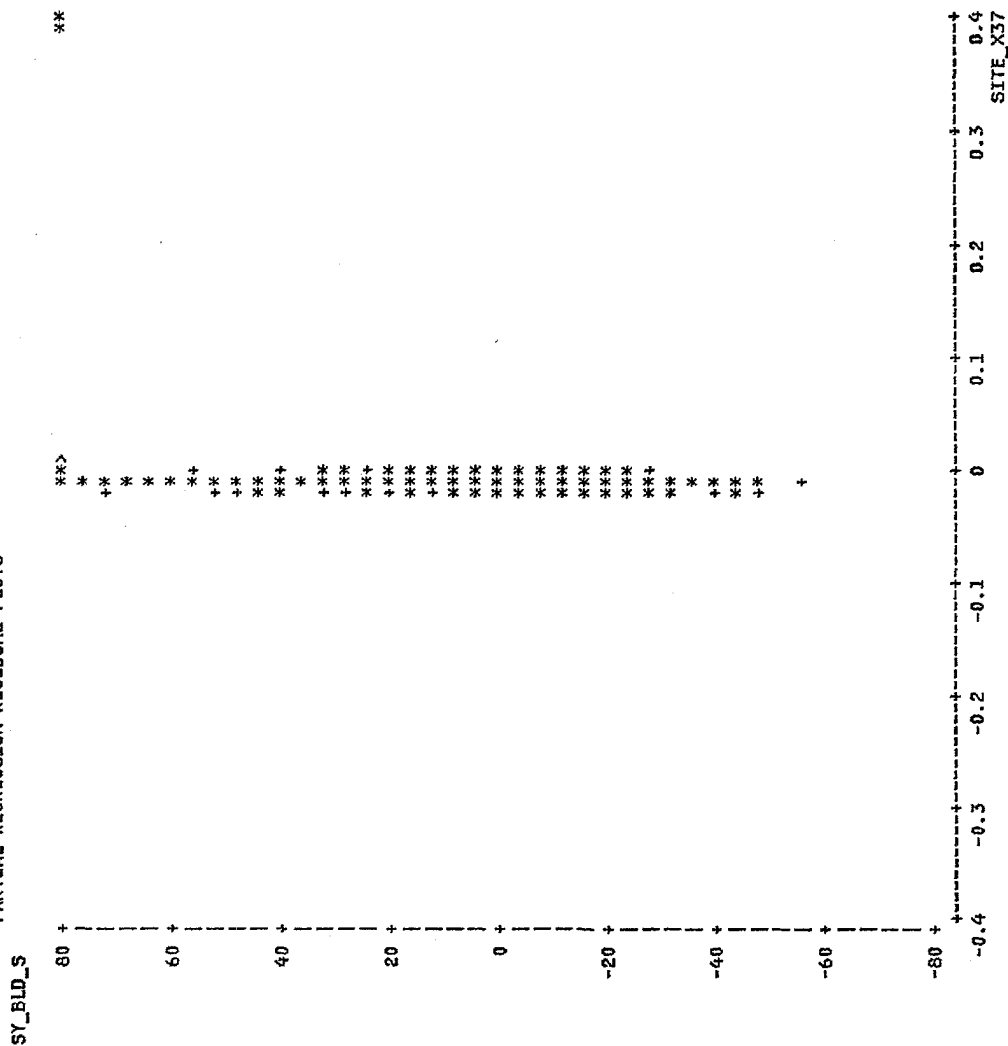


TEH 0352114

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=FEMALES

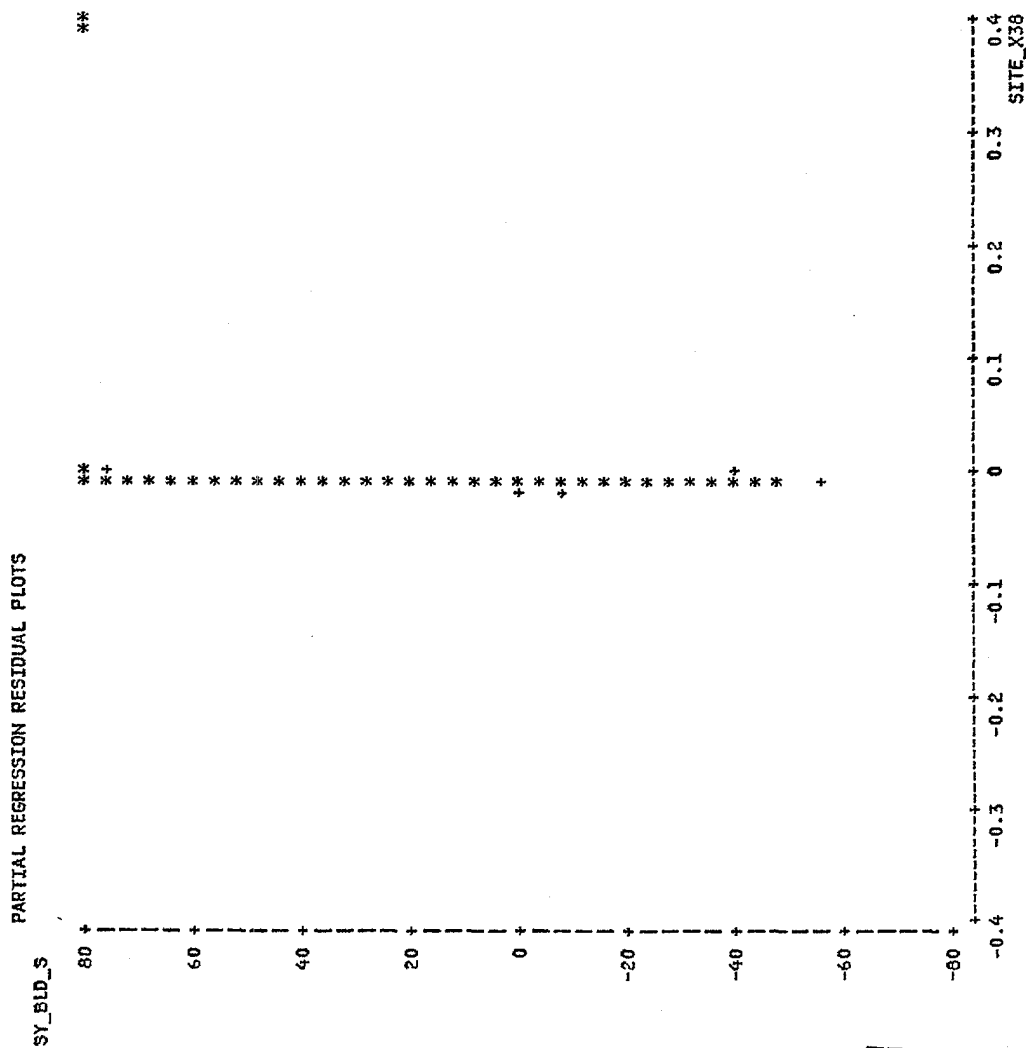
PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352115

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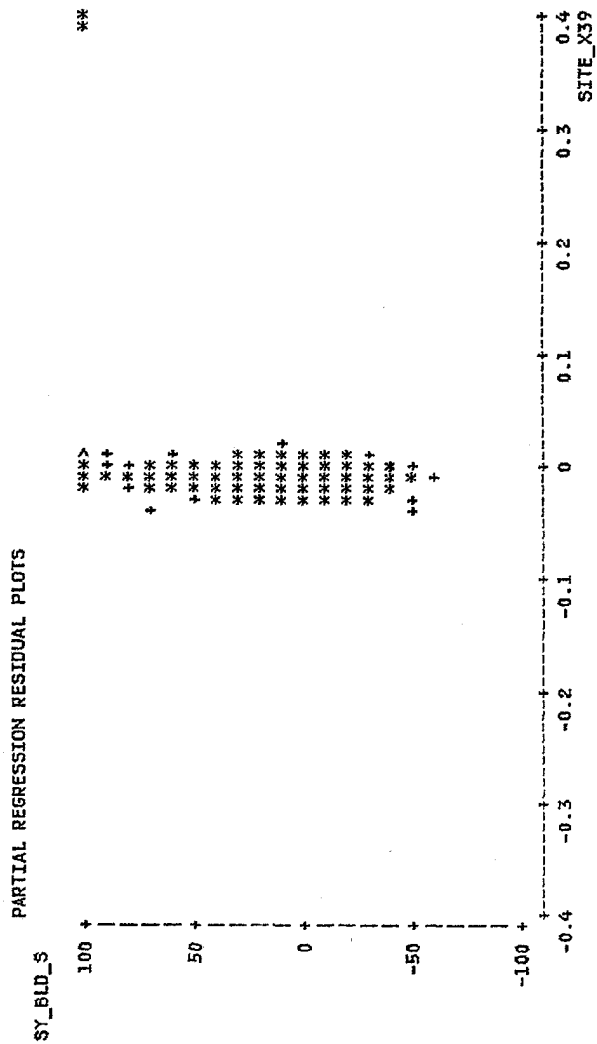
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES



TEH 0352116

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

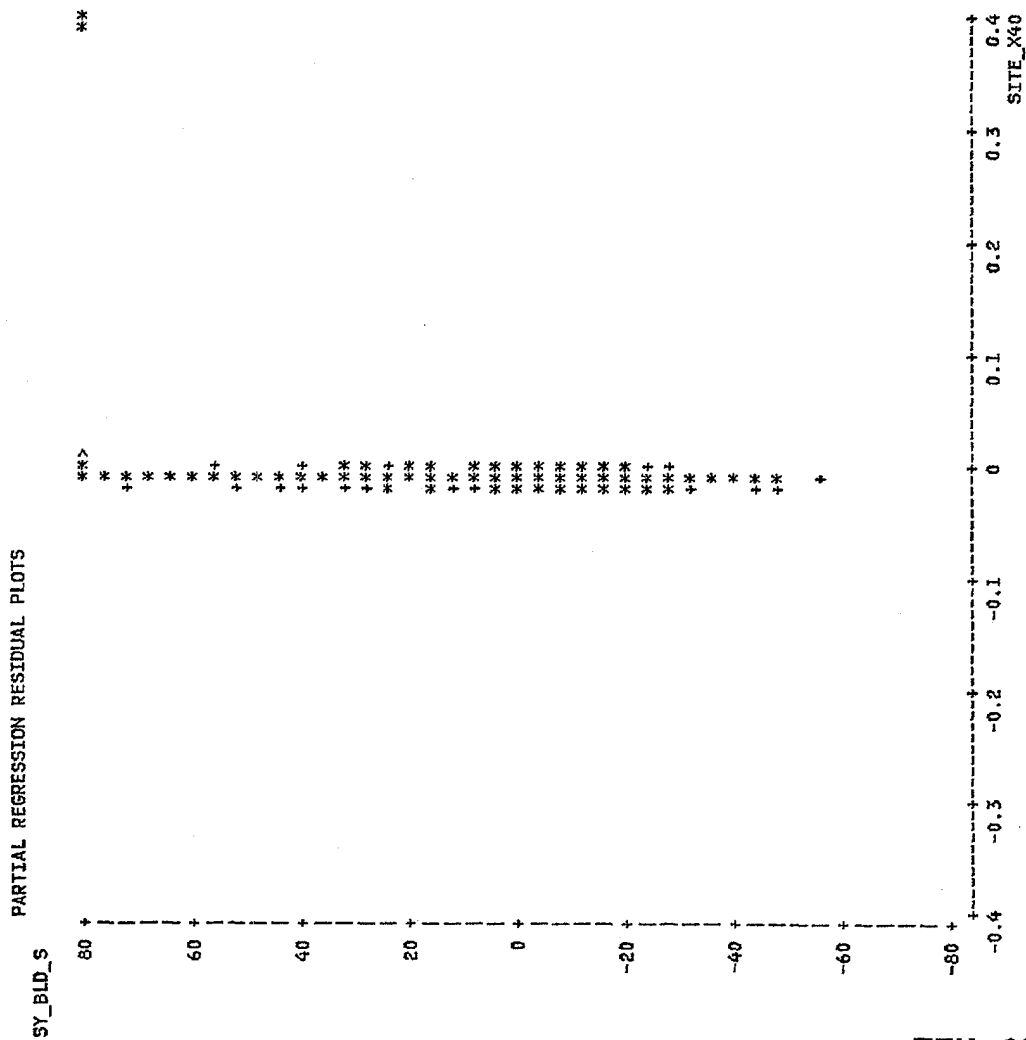
GROUP=FEMALES



TEH 0352117

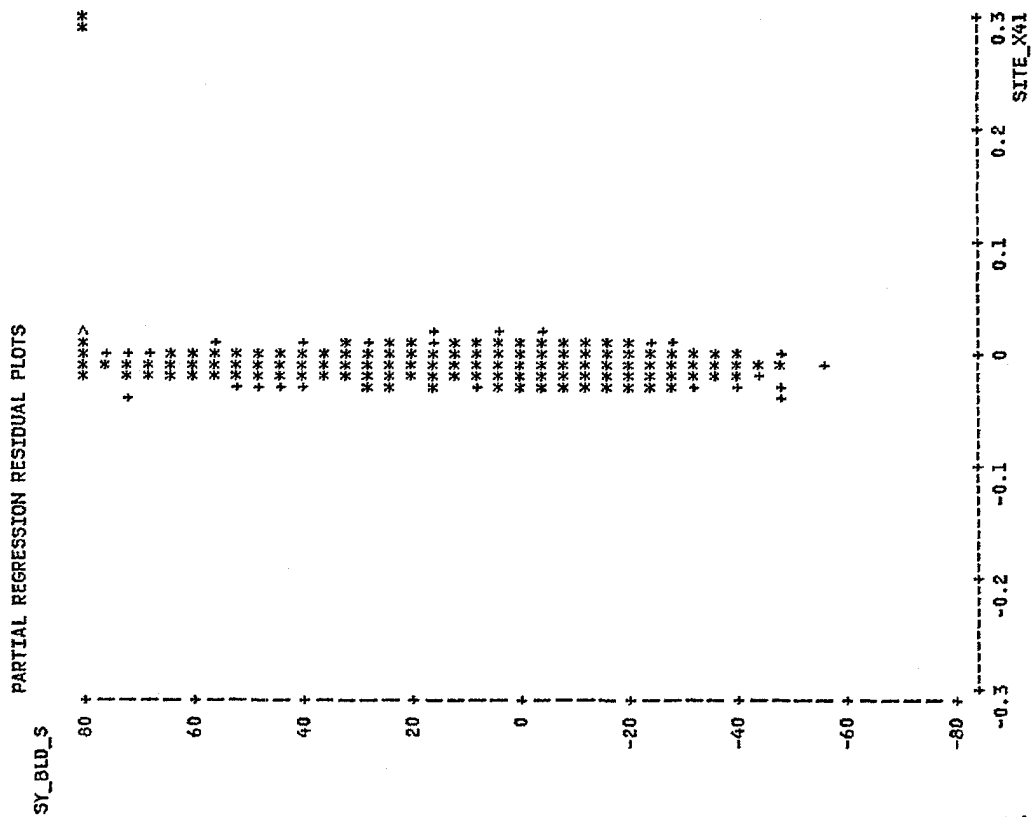
20:55 THURSDAY, APRIL 25, 1985 42

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES



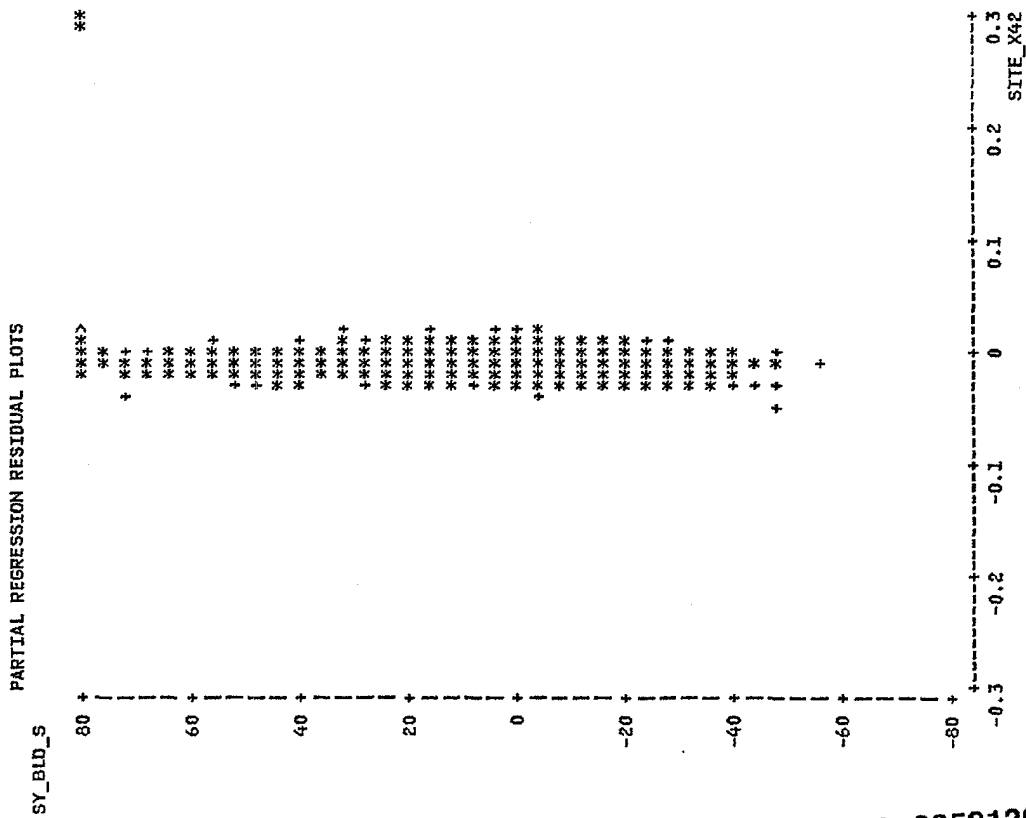
TEH 0352118

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_\$ DEPENDENT



TEH 0352119

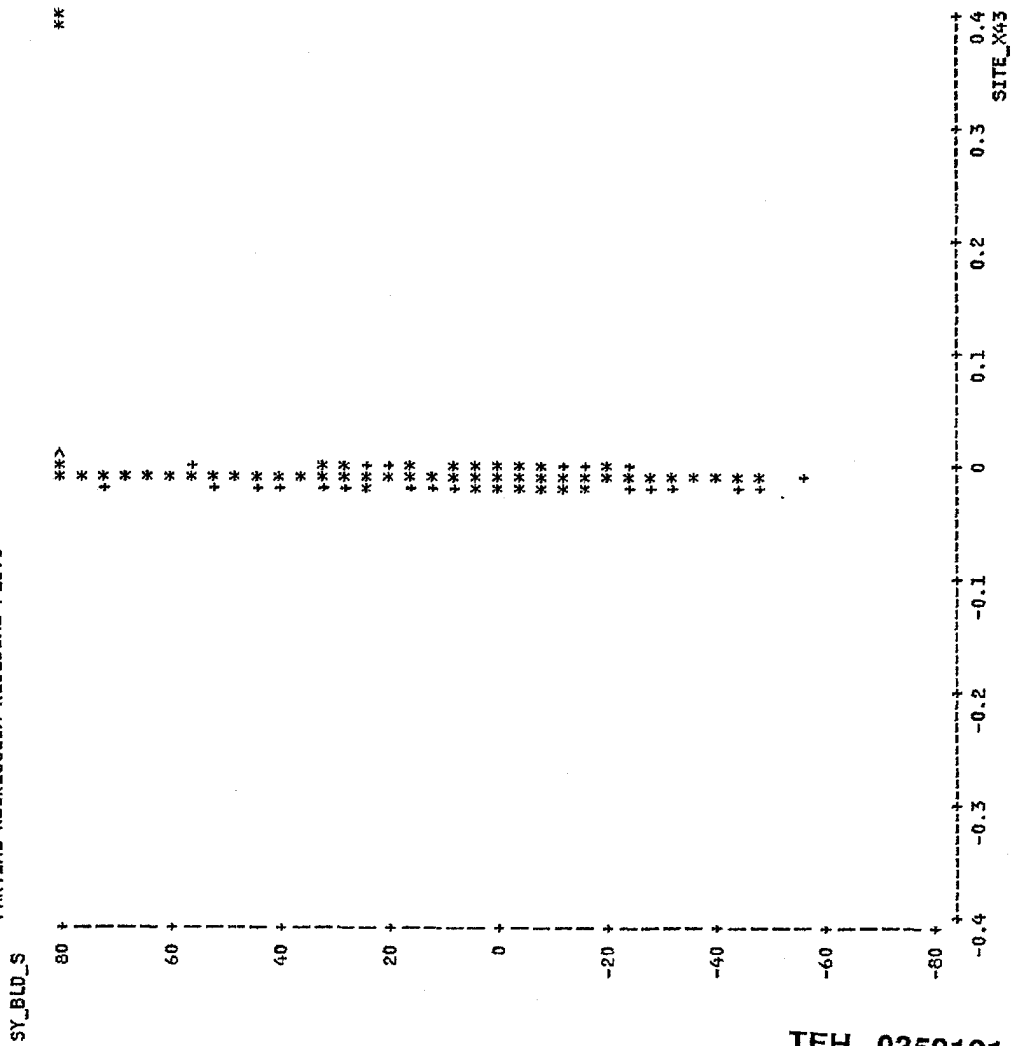
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES



TEH 0352120

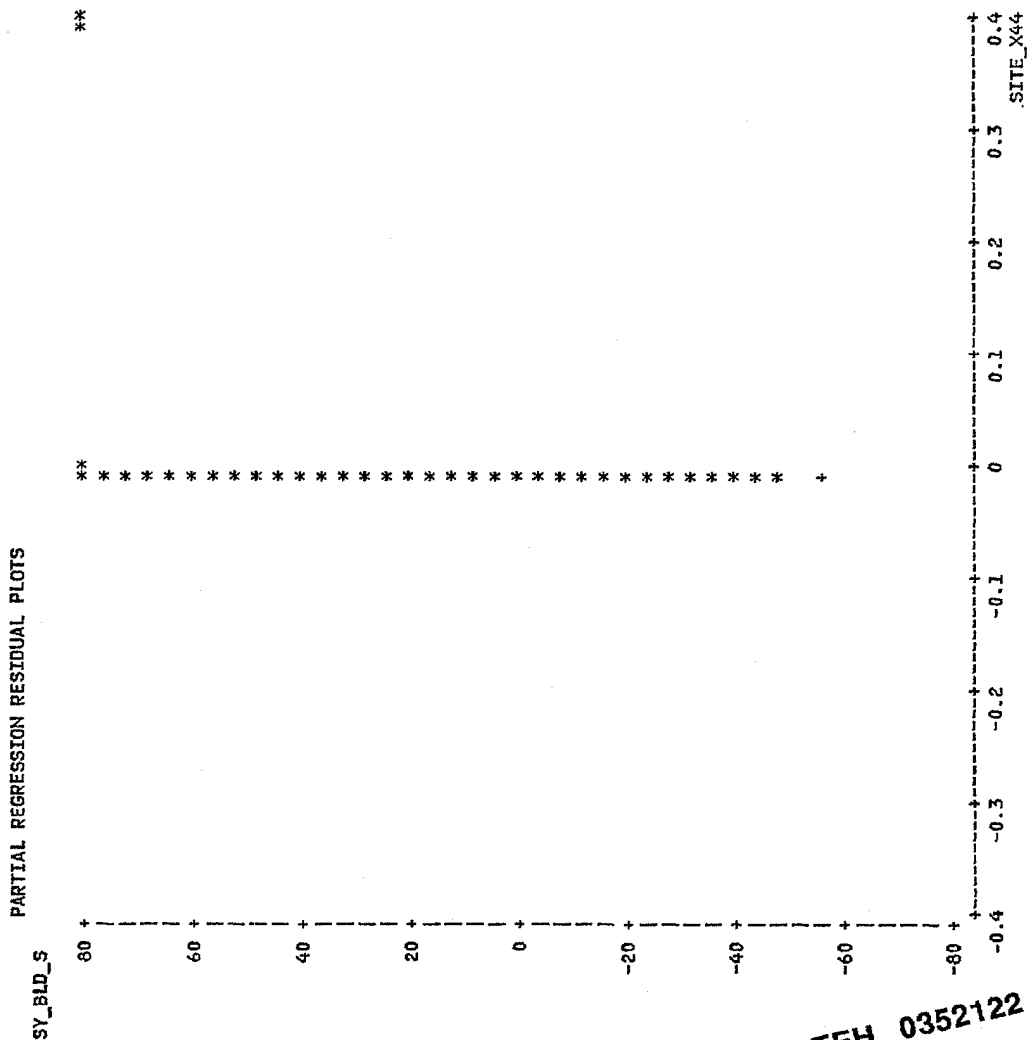
GROUP=FEMALES

PARTIAL REGRESSION RESIDUAL PLOTS

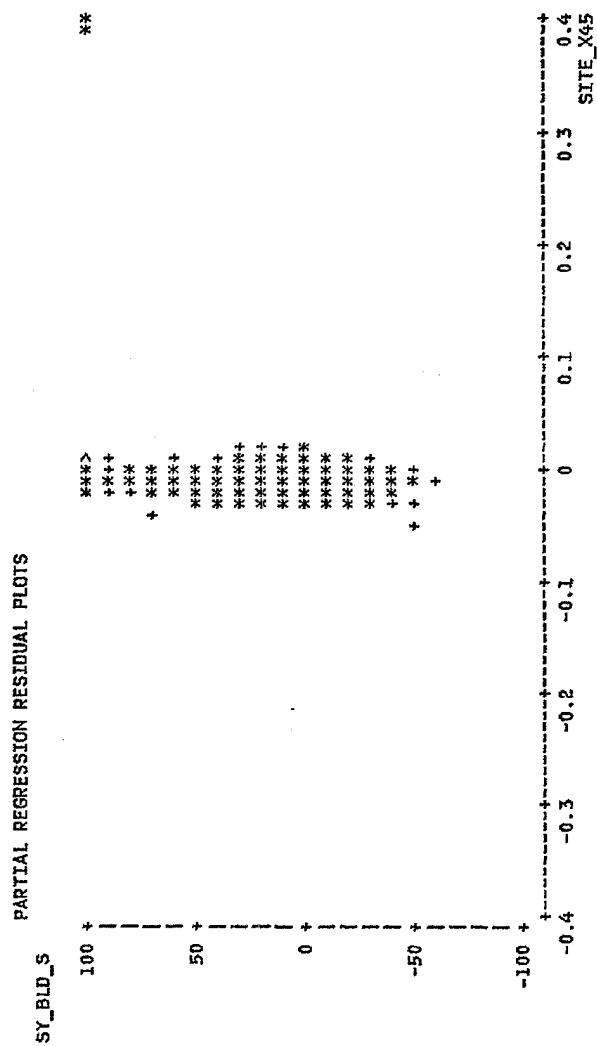


TEH 0352121

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BID\_S DEPENDENT  
GROUP=FEMALES



REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_\$ DEPENDENT



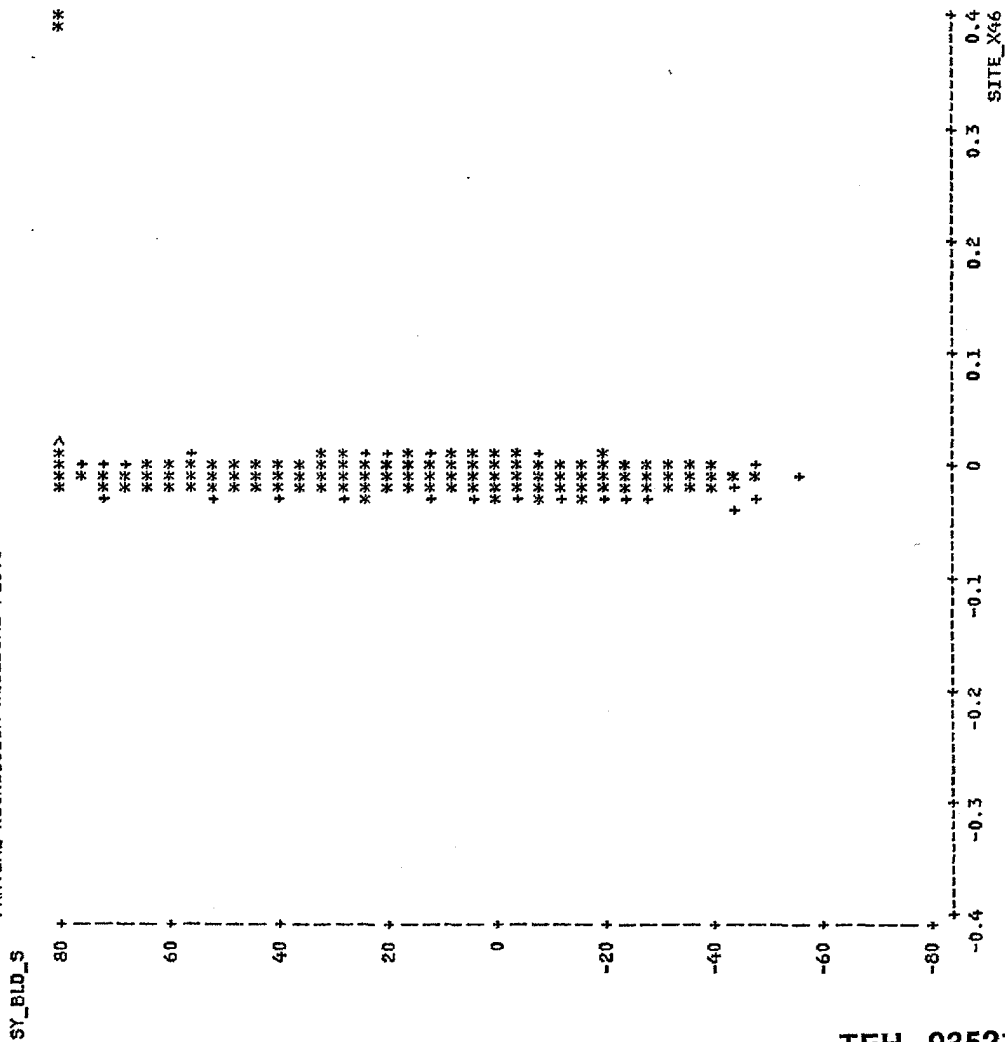
TEH 0352123

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20:55 THURSDAY, APRIL 25, 1985

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

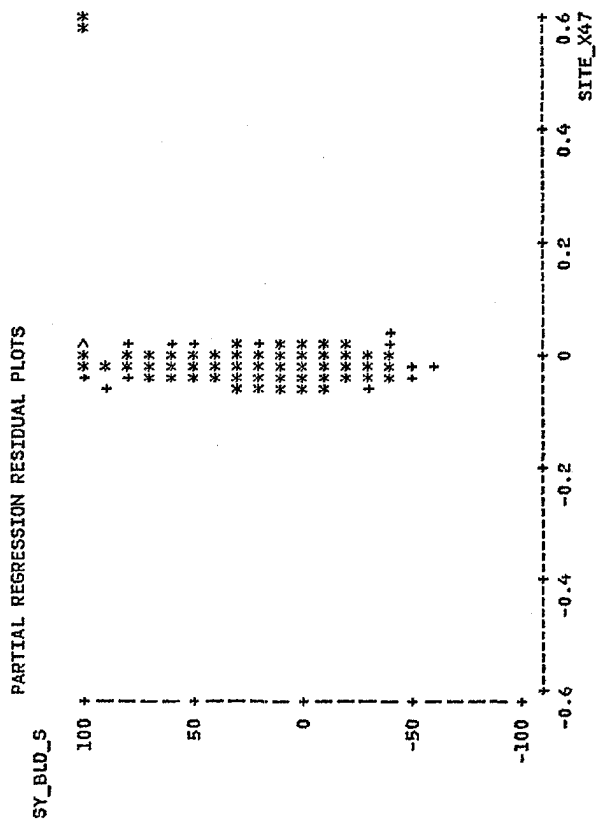
GROUP=FEMALES

PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352124

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES

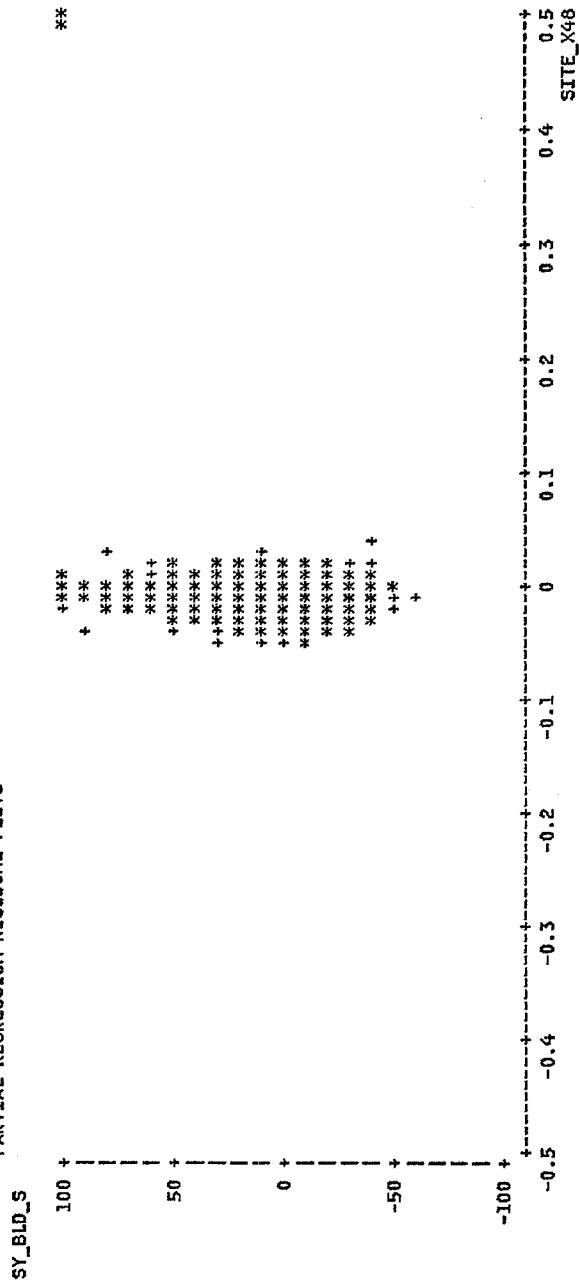


TEH 0352125

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

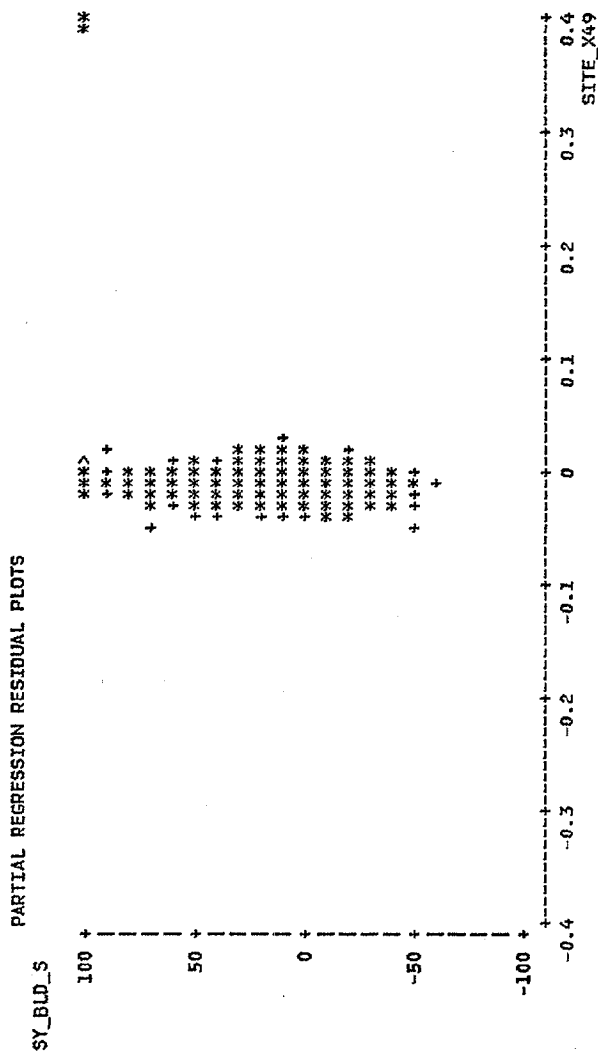
GROUP=FEMALES

PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352126

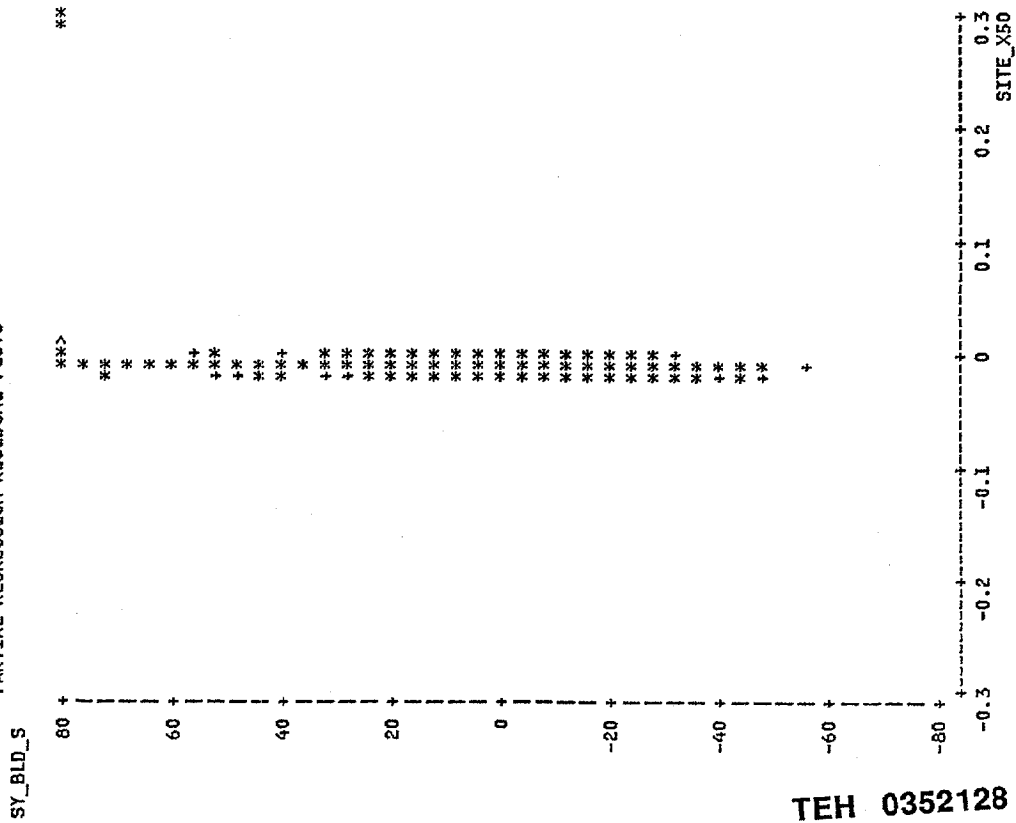
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES



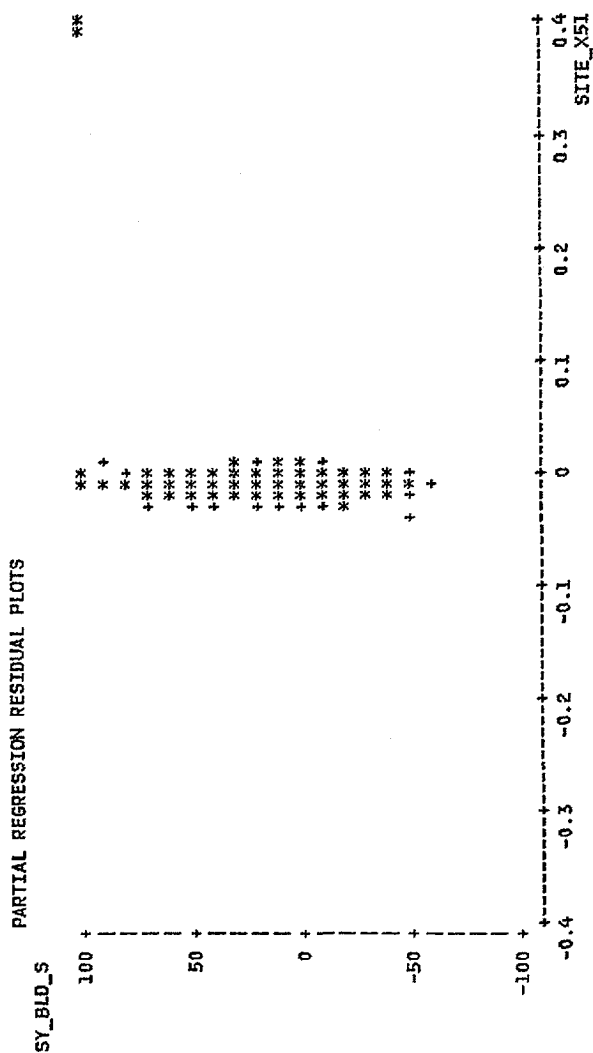
TEH 0352127

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES

PARTIAL REGRESSION RESIDUAL PLOTS



REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES

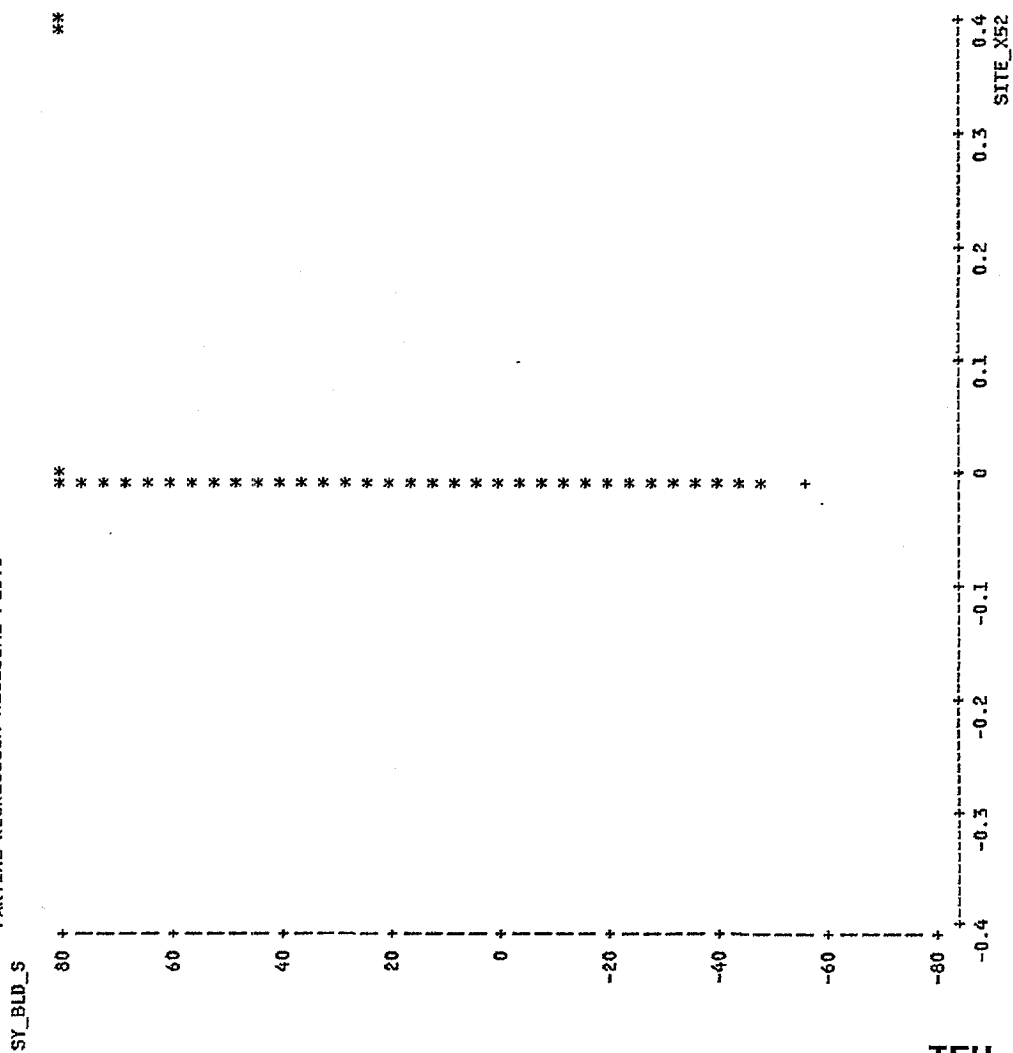


TEH 0352129

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

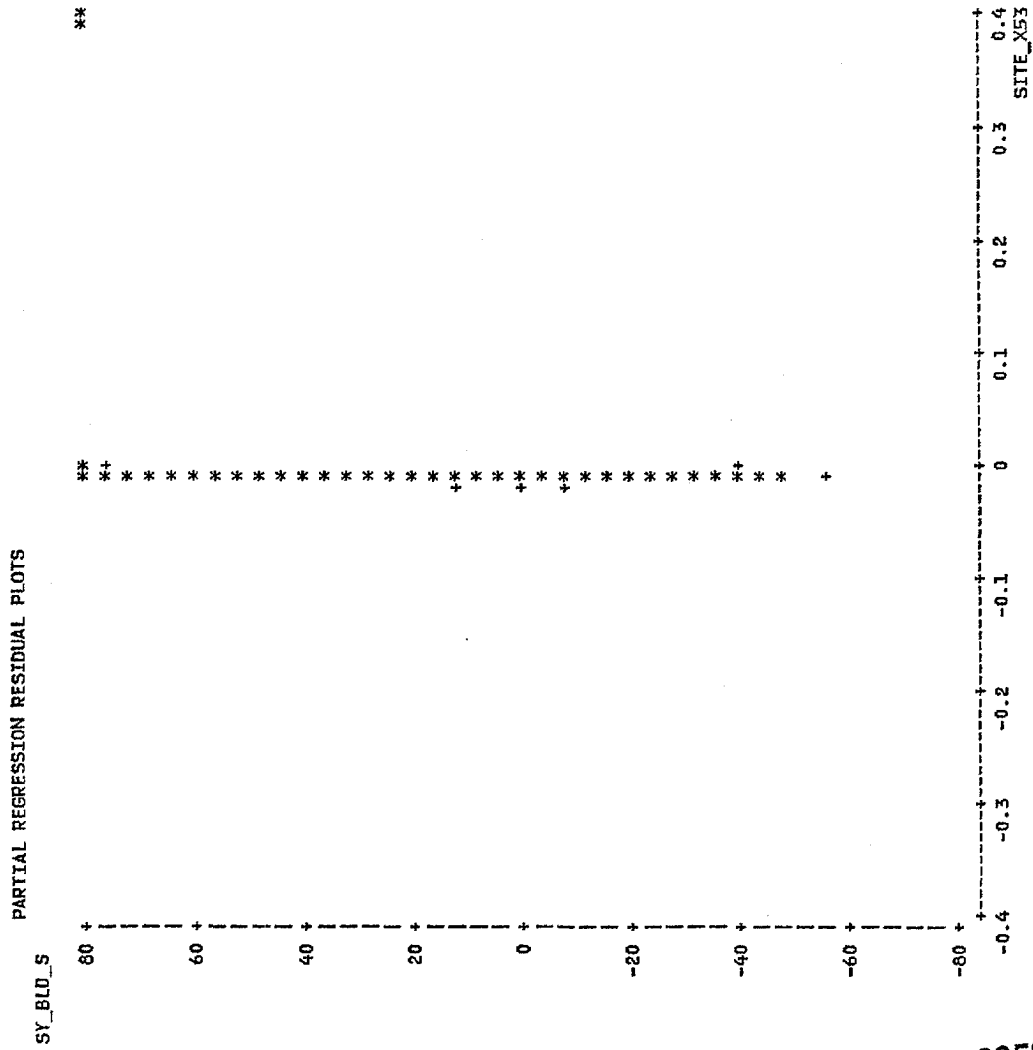
GROUP=FEMALES

PARTIAL REGRESSION RESIDUAL PLOTS

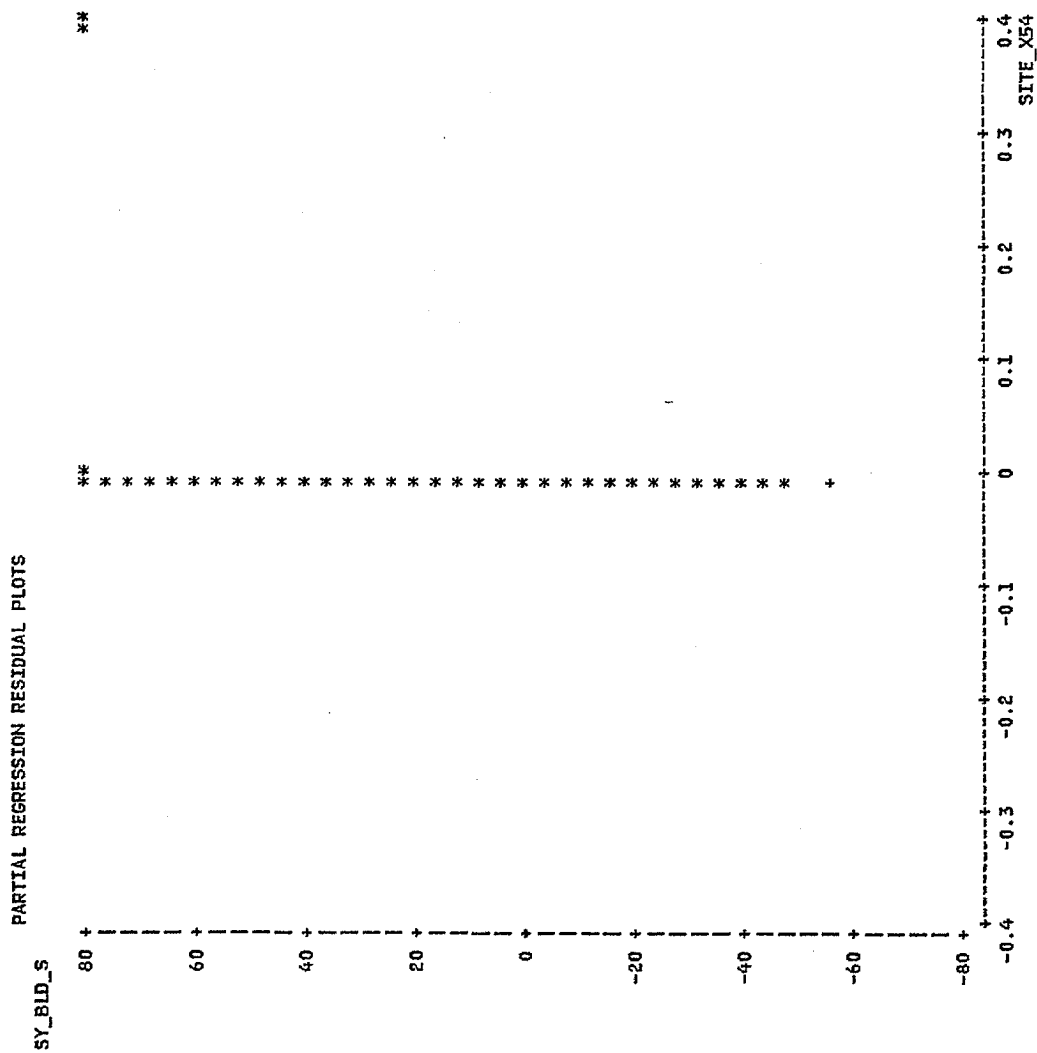


TEH 0352130

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES

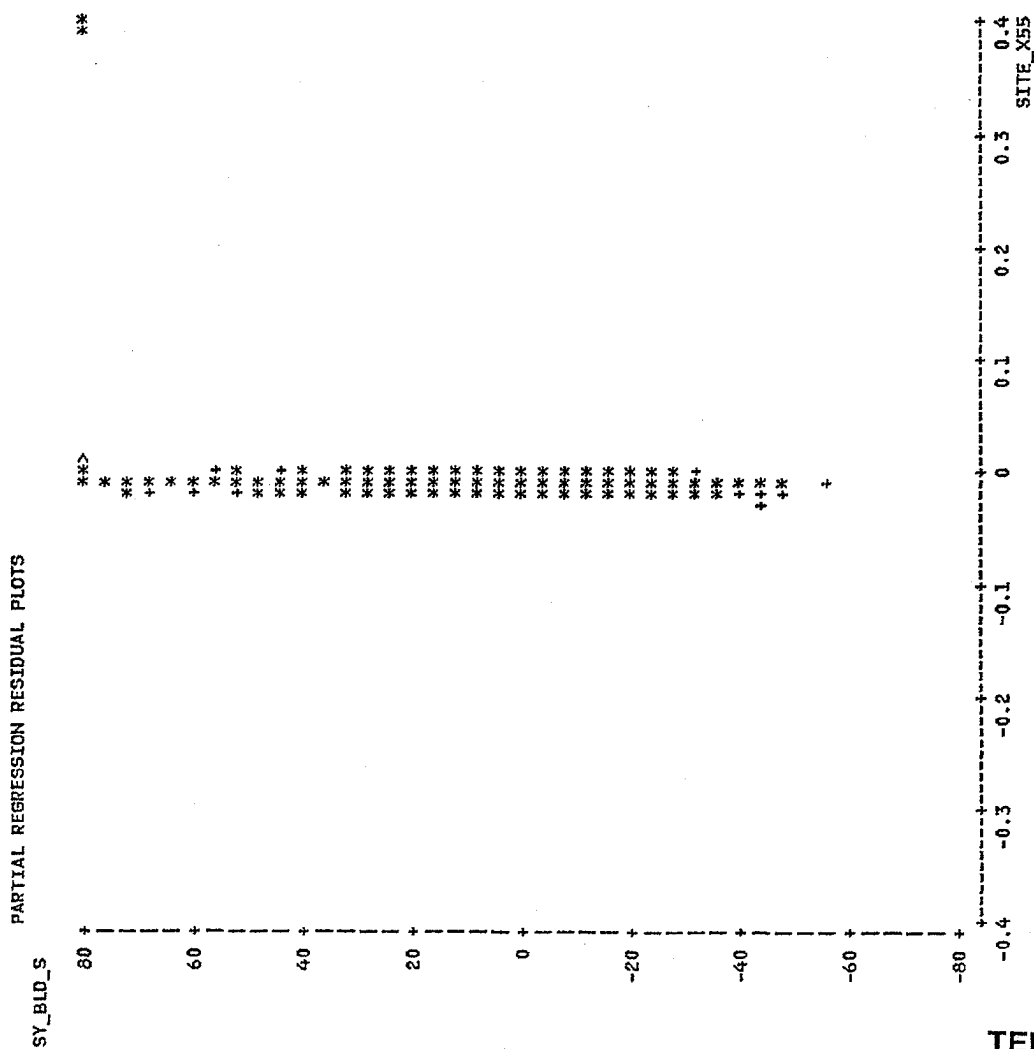


TEH 0352131



TEH 0352132

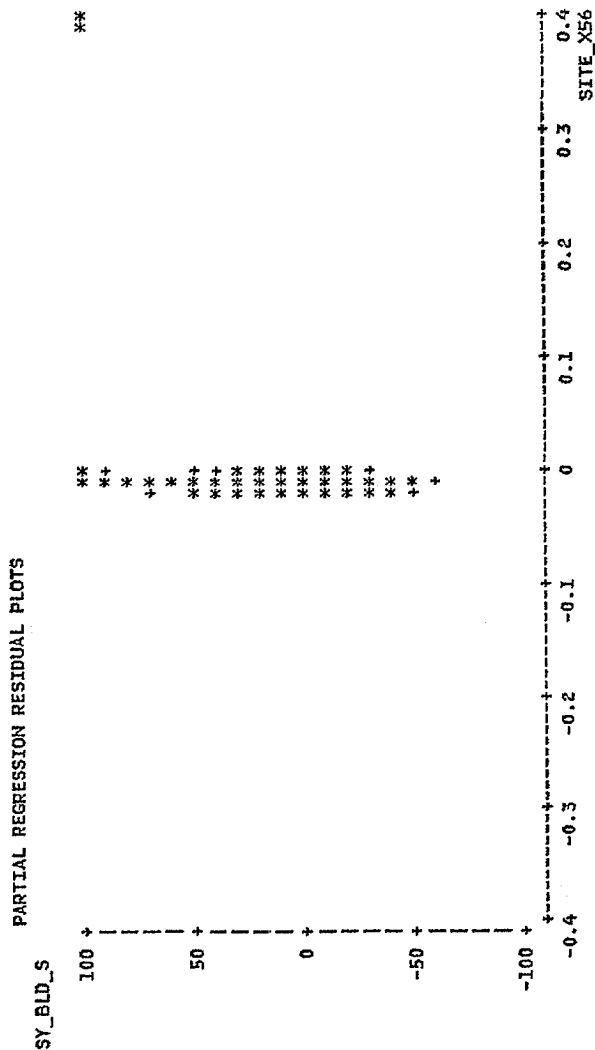
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_5 DEPENDENT



**TEH 0352133**

DUP050300770

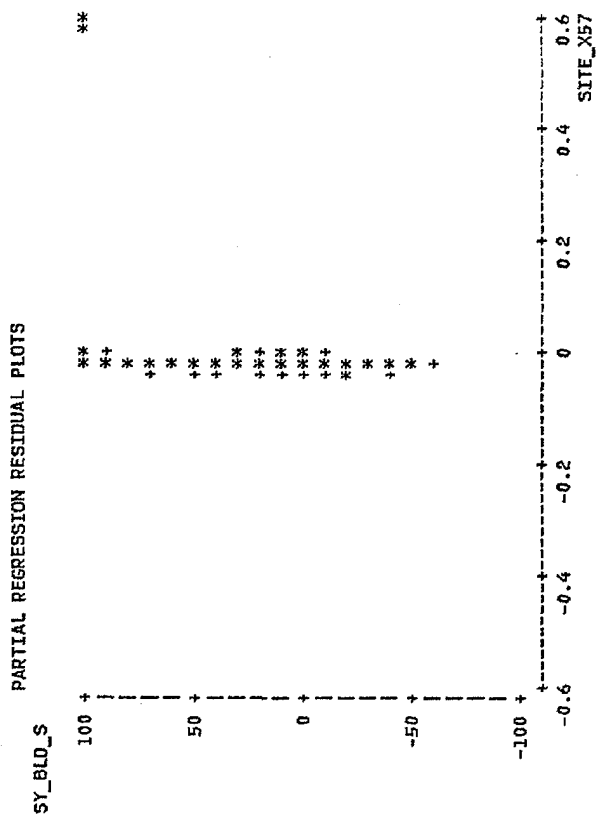
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES



TEH 0352134

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REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES

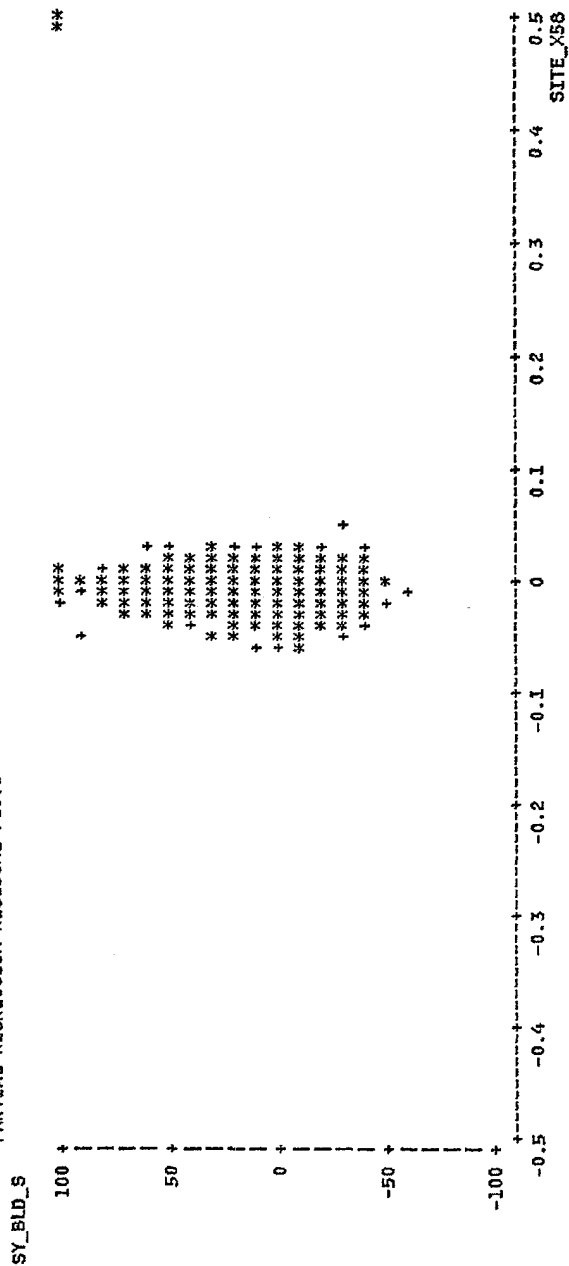


TEH 0352135

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_5 DEPENDENT

GROUP=FEMALES

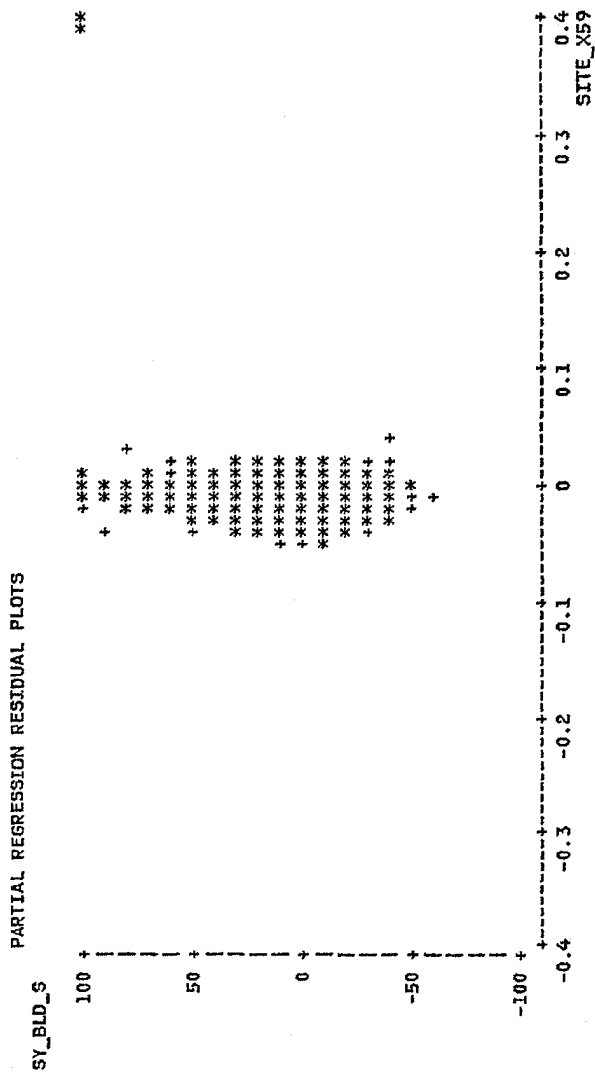
### PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352136

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20:55 THURSDAY, APRIL 25, 1985

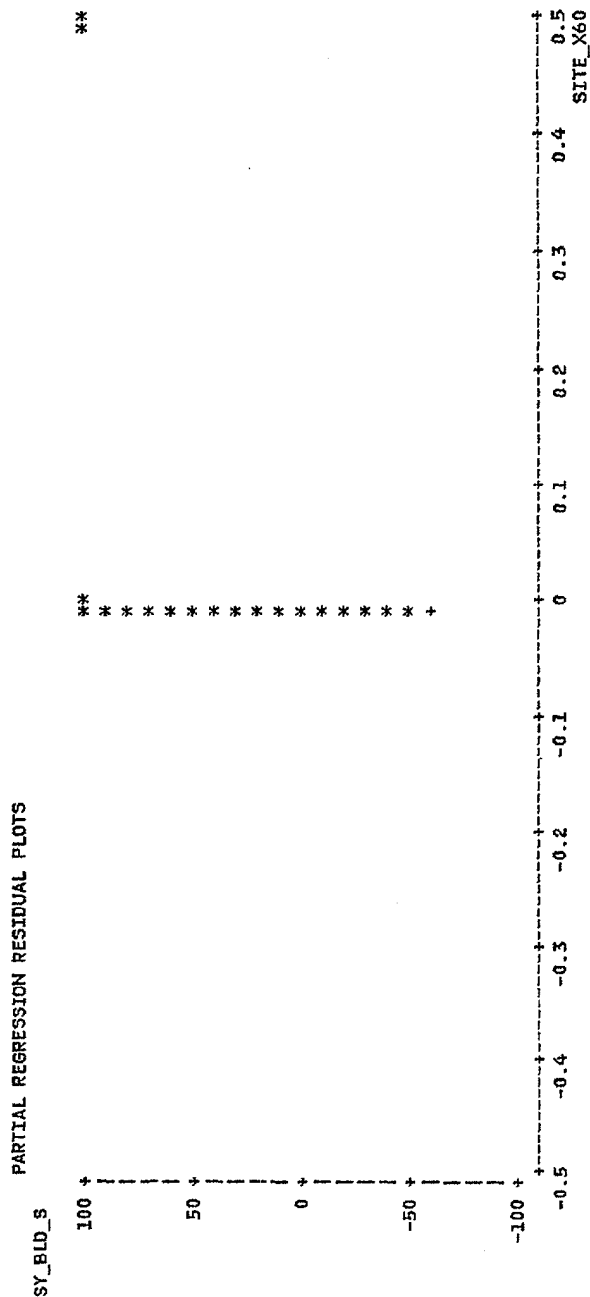
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES



TEH 0352137

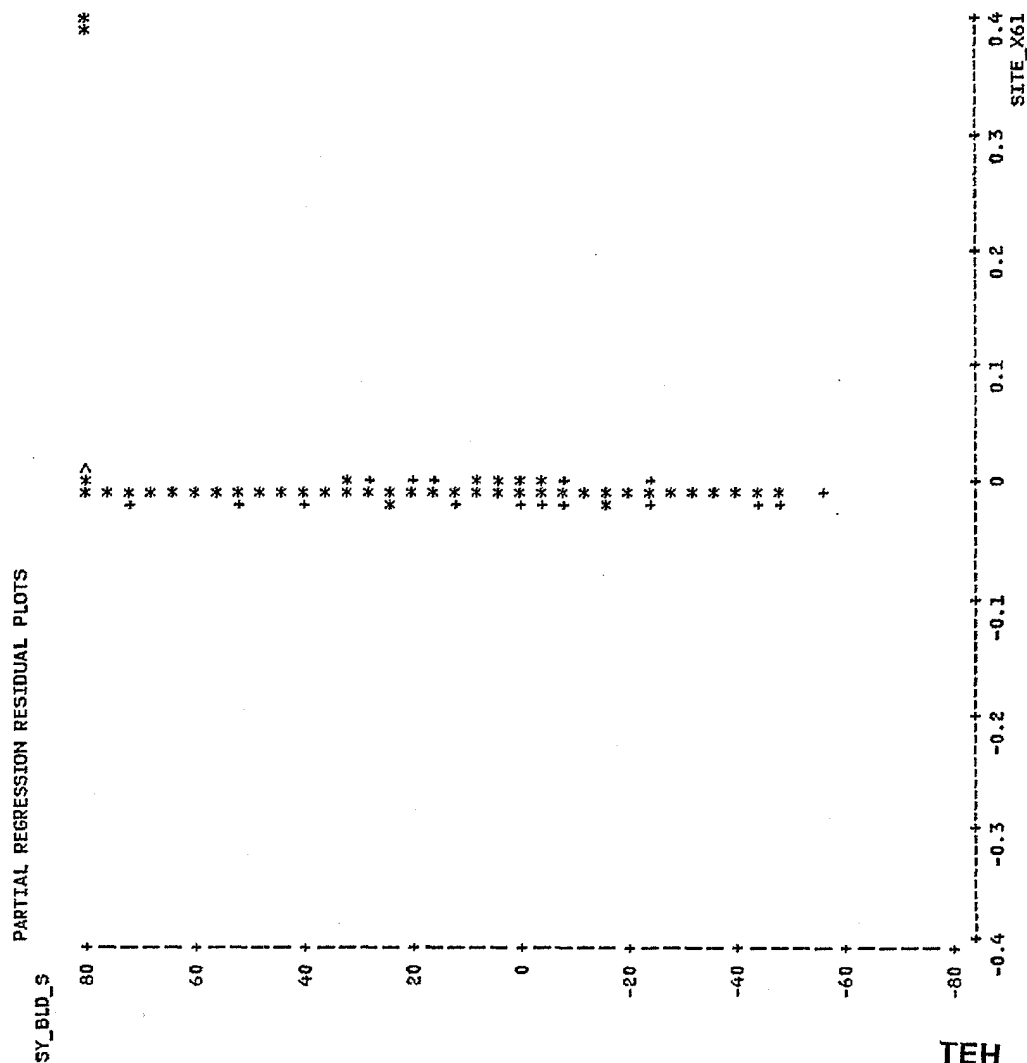
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=FEMALES



TEH 0352138

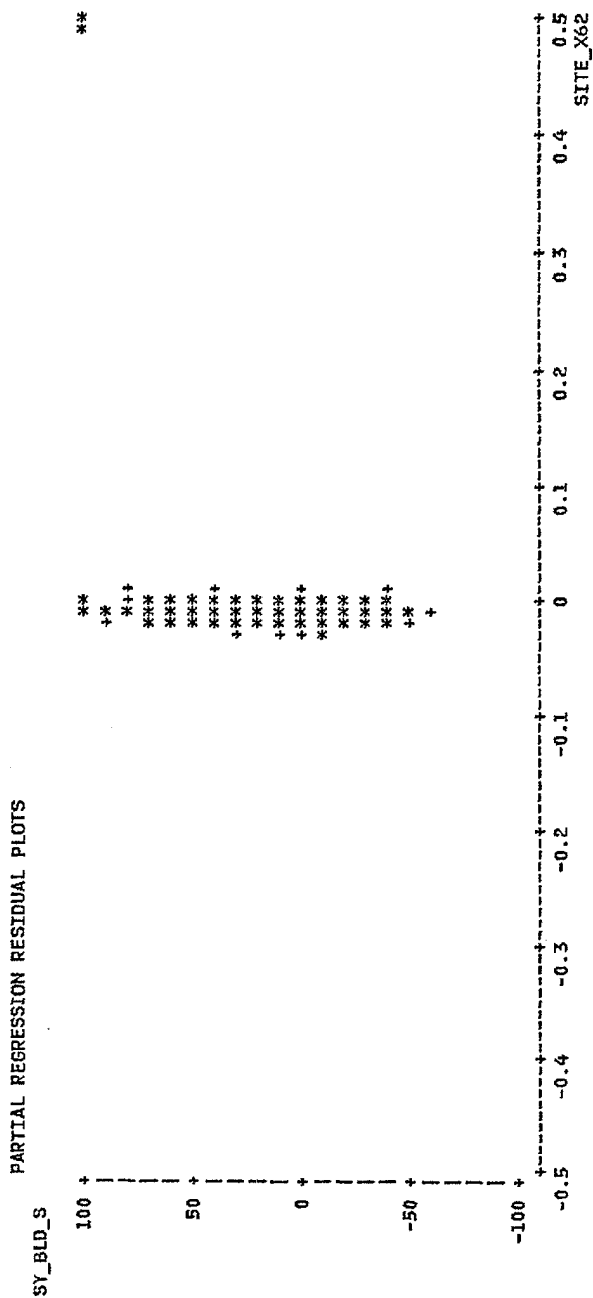
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT



TEH 0352139

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=FEMALES



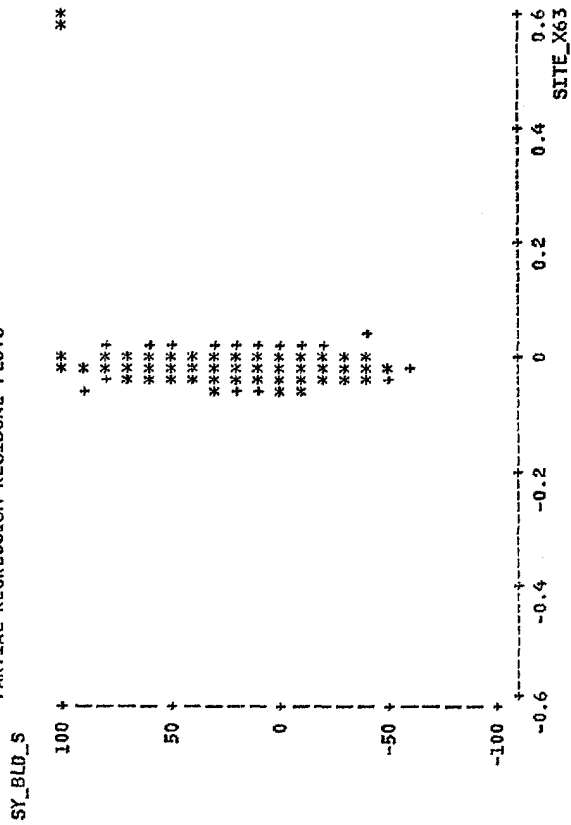
TEH 0352140

20:55 THURSDAY, APRIL 25, 1985 <sup>65</sup>

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=FEMALES

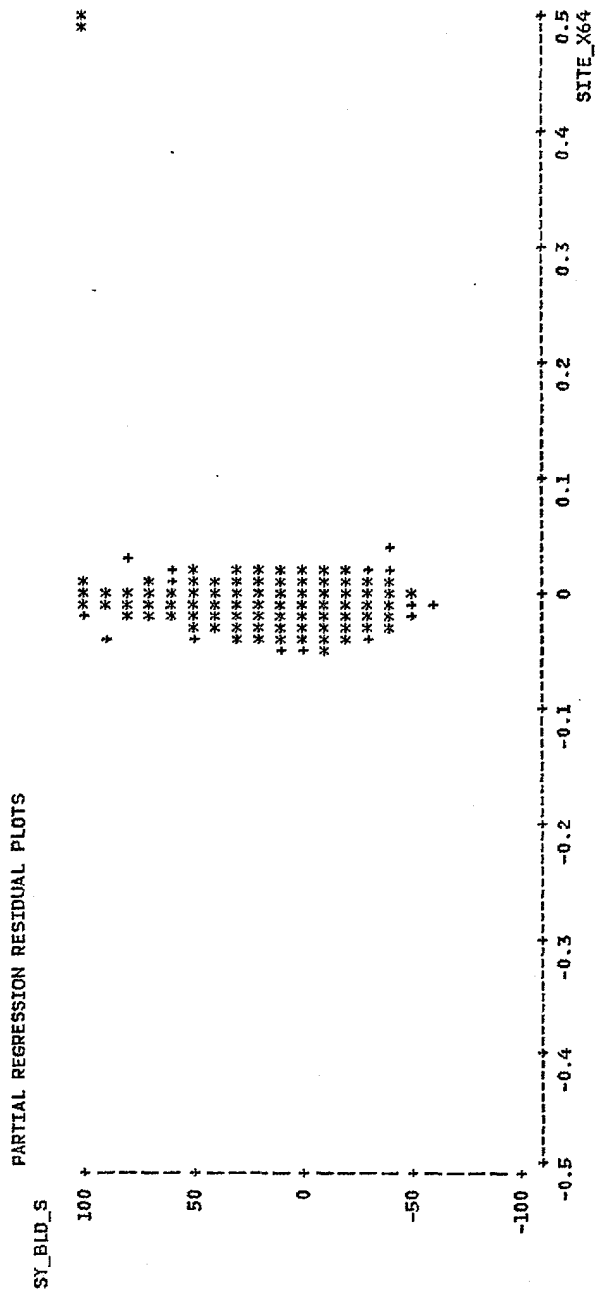
PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352141

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_5 DEPENDENT

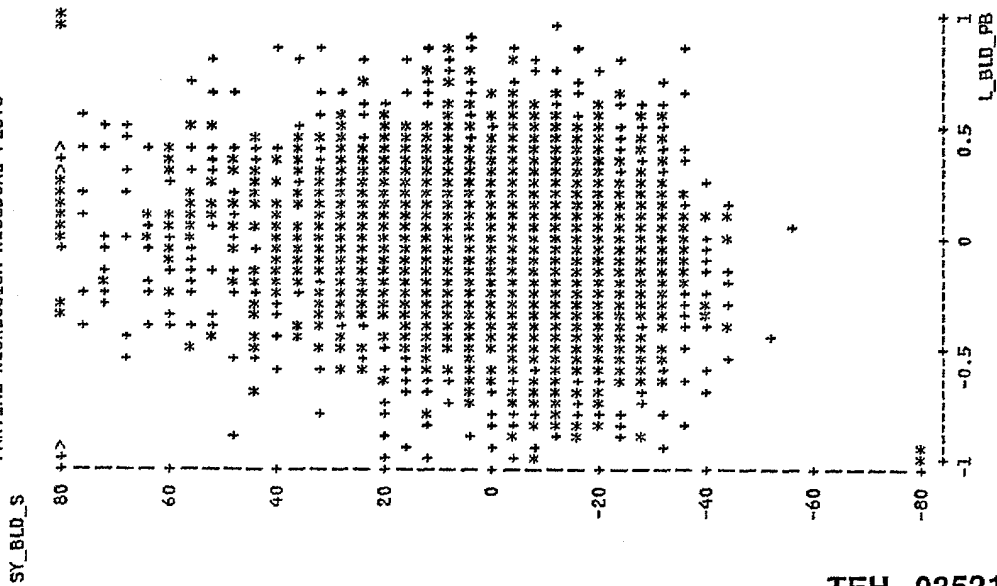
**GROUP=FEMALES**



TEH 0352142

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=FEMALES

PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352143

20:55 THURSDAY, APRIL 25, 1985<sup>68</sup>

REGRESSION ON RAN DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=FEMALES

TEH 0352144

DUP050300781

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES

DEP VARIABLE: SY\_BLD\_S

| SOURCE  | DF   | SUM OF SQUARES | MEAN SQUARE | F VALUE  | PROB>F |
|---------|------|----------------|-------------|----------|--------|
| MODEL   | 65   | 53378385       | 821206      | 2220.792 | 0.0001 |
| ERROR   | 3176 | 1174423        | 369.781     |          |        |
| U TOTAL | 3241 | 54552808       |             |          |        |

|          |           |          |        |
|----------|-----------|----------|--------|
| ROOT MSE | 19.229682 | R-SQUARE | 0.9785 |
| DEP MEAN | 128.172   | ADJ R-SQ | 0.9780 |
| C.V.     | 15.00308  |          |        |

NOTE: NO INTERCEPT TERM IS USED. R-SQUARE IS REDEFINED.

| VARIABLE | DF | PARAMETER ESTIMATE | STANDARD ERROR | T FOR H0: PARAMETER=0 | PROB >  T | TOLERANCE | VARIANCE INFLATION |
|----------|----|--------------------|----------------|-----------------------|-----------|-----------|--------------------|
| SITE_X1  | 1  | 123.401            | 2.444997       | 50.471                | 0.0001    | 1.017148  | 0.983141           |
| SITE_X2  | 1  | 123.555            | 2.838383       | 43.530                | 0.0001    | 1.012168  | 0.987978           |
| SITE_X3  | 1  | 128.227            | 2.899388       | 44.225                | 0.0001    | 1.013480  | 0.986699           |
| SITE_X4  | 1  | 122.660            | 3.846525       | 31.889                | 0.0001    | 1.007465  | 0.992590           |
| SITE_X5  | 1  | 123.844            | 2.721535       | 45.505                | 0.0001    | 1.014141  | 0.986056           |
| SITE_X6  | 1  | 138.875            | 2.693719       | 51.555                | 0.0001    | 1.015214  | 0.985014           |
| SITE_X7  | 1  | 129.175            | 2.298596       | 56.197                | 0.0001    | 1.021888  | 0.978580           |
| SITE_X8  | 1  | 131.999            | 2.150272       | 61.387                | 0.0001    | 1.024996  | 0.975614           |
| SITE_X9  | 1  | 120.888            | 3.043479       | 39.622                | 0.0001    | 1.010501  | 0.989608           |
| SITE_X10 | 1  | 117.526            | 3.700758       | 31.757                | 0.0001    | 1.008399  | 0.991671           |
| SITE_X11 | 1  | 127.418            | 2.601112       | 48.986                | 0.0001    | 1.010873  | 0.989244           |
| SITE_X12 | 1  | 120.976            | 3.180548       | 38.036                | 0.0001    | 0.999367  | 1.000633           |
| SITE_X13 | 1  | 137.812            | 2.120585       | 64.988                | 0.0001    | 1.016768  | 0.983509           |
| SITE_X14 | 1  | 129.238            | 2.462109       | 52.491                | 0.0001    | 1.019182  | 0.981179           |
| SITE_X15 | 1  | 133.484            | 2.641558       | 50.532                | 0.0001    | 1.016503  | 0.983765           |
| SITE_X16 | 1  | 120.512            | 2.553815       | 47.189                | 0.0001    | 1.012504  | 0.987651           |
| SITE_X17 | 1  | 131.210            | 3.044568       | 43.096                | 0.0001    | 1.009779  | 0.990316           |
| SITE_X18 | 1  | 122.489            | 3.408217       | 35.939                | 0.0001    | 1.004730  | 0.995293           |
| SITE_X19 | 1  | 129.698            | 2.908610       | 44.591                | 0.0001    | 1.007064  | 0.992986           |
| SITE_X20 | 1  | 128.291            | 3.852096       | 33.304                | 0.0001    | 1.004553  | 0.995467           |
| SITE_X21 | 1  | 131.631            | 2.967602       | 44.356                | 0.0001    | 1.012858  | 0.987306           |
| SITE_X22 | 1  | 116.186            | 2.570580       | 45.199                | 0.0001    | 1.016866  | 0.983414           |
| SITE_X23 | 1  | 129.799            | 2.778464       | 46.716                | 0.0001    | 1.012916  | 0.987249           |
| SITE_X24 | 1  | 127.901            | 2.721421       | 46.998                | 0.0001    | 1.014226  | 0.985973           |
| SITE_X25 | 1  | 131.990            | 2.843010       | 46.426                | 0.0001    | 1.008876  | 0.991202           |
| SITE_X26 | 1  | 130.856            | 2.617137       | 50.000                | 0.0001    | 1.016704  | 0.983570           |
| SITE_X27 | 1  | 120.614            | 2.295806       | 52.537                | 0.0001    | 0.996548  | 1.003464           |
| SITE_X28 | 1  | 130.287            | 2.403803       | 54.200                | 0.0001    | 1.020066  | 0.980328           |
| SITE_X29 | 1  | 133.606            | 2.443524       | 54.678                | 0.0001    | 1.018376  | 0.981956           |
| SITE_X30 | 1  | 123.745            | 2.338215       | 52.923                | 0.0001    | 1.015958  | 0.984293           |
| SITE_X31 | 1  | 124.833            | 2.987785       | 41.781                | 0.0001    | 0.999220  | 1.000781           |
| SITE_X32 | 1  | 117.898            | 2.825586       | 46.681                | 0.0001    | 1.017734  | 0.982575           |
| SITE_X33 | 1  | 128.293            | 2.573511       | 49.851                | 0.0001    | 1.014551  | 0.985658           |
| SITE_X34 | 1  | 127.744            | 2.202066       | 53.181                | 0.0001    | 1.006142  | 0.993895           |
| SITE_X35 | 1  | 131.551            | 2.444997       | 44.563                | 0.0001    | 1.012120  | 0.988025           |

TEH 0352145

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

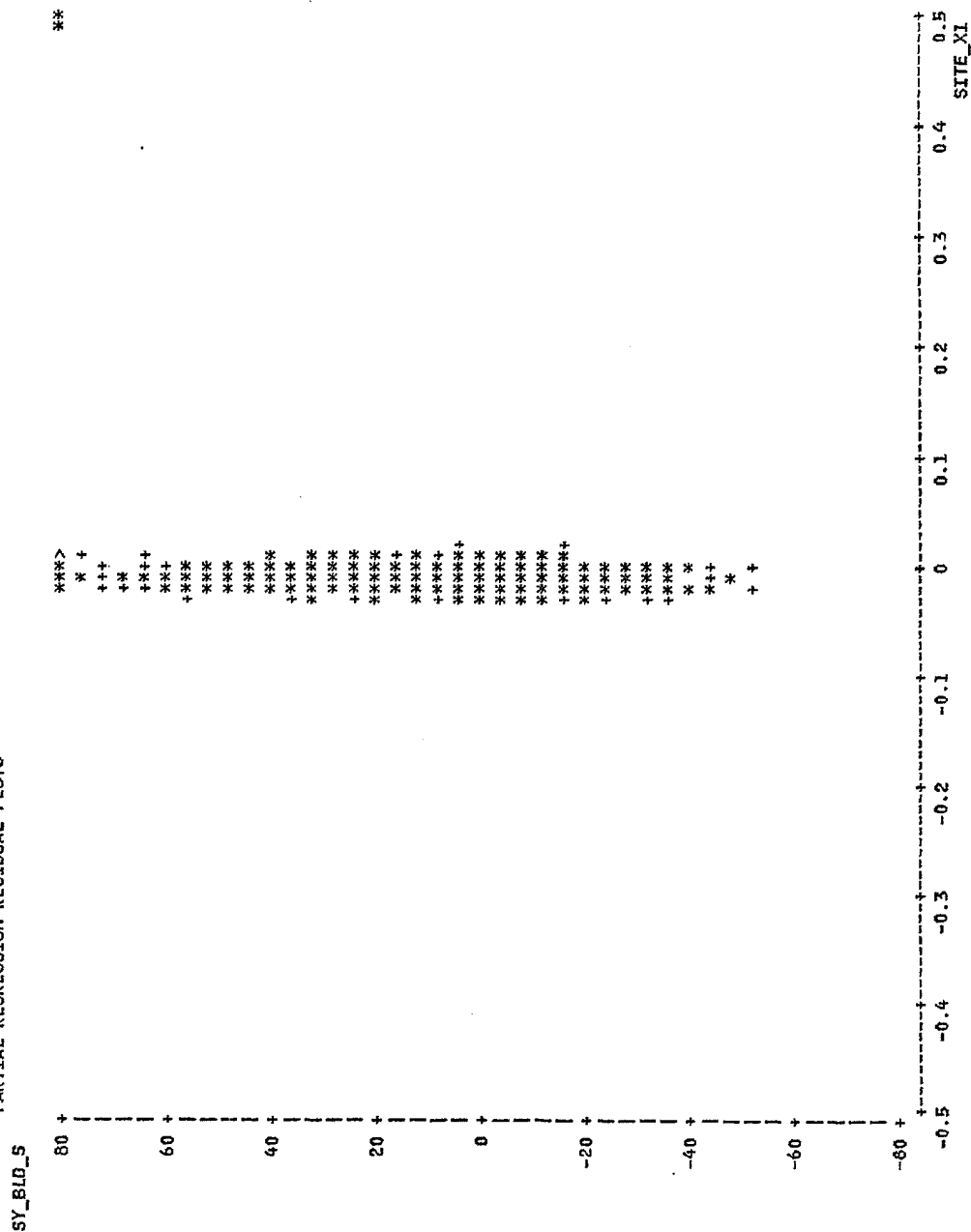
| VARIABLE | DF | PARAMETER ESTIMATE | STANDARD ERROR | T FOR H0: PARAMETER=0 | PROB >  T | TOLERANCE | VARIANCE INFLATION |
|----------|----|--------------------|----------------|-----------------------|-----------|-----------|--------------------|
| SITE_X36 | 1  | 135.447            | 2.427327       | 55.801                | 0.0001    | 1.015950  | 0.984301           |
| SITE_X37 | 1  | 127.533            | 3.079326       | 41.416                | 0.0001    | 1.012106  | 0.988039           |
| SITE_X38 | 1  | 133.429            | 2.968172       | 44.953                | 0.0001    | 1.012469  | 0.987685           |
| SITE_X39 | 1  | 122.472            | 2.775570       | 44.125                | 0.0001    | 1.015030  | 0.985193           |
| SITE_X40 | 1  | 134.029            | 3.352160       | 39.983                | 0.0001    | 1.007454  | 0.992601           |
| SITE_X41 | 1  | 139.249            | 3.218092       | 43.271                | 0.0001    | 1.002988  | 0.997021           |
| SITE_X42 | 1  | 119.938            | 3.408877       | 35.184                | 0.0001    | 1.004340  | 0.995678           |
| SITE_X43 | 1  | 128.037            | 2.594497       | 49.349                | 0.0001    | 1.016034  | 0.984219           |
| SITE_X44 | 1  | 126.251            | 3.513815       | 35.930                | 0.0001    | 1.007636  | 0.992421           |
| SITE_X45 | 1  | 125.110            | 2.667961       | 46.893                | 0.0001    | 1.015328  | 0.984903           |
| SITE_X46 | 1  | 119.791            | 2.805107       | 42.705                | 0.0001    | 1.014592  | 0.985618           |
| SITE_X47 | 1  | 131.901            | 2.390301       | 55.182                | 0.0001    | 1.016072  | 0.984182           |
| SITE_X48 | 1  | 134.264            | 2.269716       | 59.155                | 0.0001    | 1.019590  | 0.980787           |
| SITE_X49 | 1  | 132.890            | 2.836908       | 46.843                | 0.0001    | 1.013221  | 0.986952           |
| SITE_X50 | 1  | 125.145            | 3.119474       | 40.117                | 0.0001    | 1.011859  | 0.988280           |
| SITE_X51 | 1  | 138.362            | 3.044544       | 45.446                | 0.0001    | 1.009795  | 0.990300           |
| SITE_X52 | 1  | 129.399            | 2.932567       | 44.125                | 0.0001    | 1.013399  | 0.986778           |
| SITE_X53 | 1  | 121.796            | 3.003309       | 40.554                | 0.0001    | 1.012720  | 0.987439           |
| SITE_X54 | 1  | 118.694            | 3.250538       | 36.515                | 0.0001    | 1.010837  | 0.989279           |
| SITE_X55 | 1  | 125.019            | 2.749858       | 45.464                | 0.0001    | 1.013313  | 0.986862           |
| SITE_X56 | 1  | 119.116            | 3.161803       | 37.673                | 0.0001    | 1.011252  | 0.988373           |
| SITE_X57 | 1  | 135.194            | 2.298395       | 58.821                | 0.0001    | 1.022068  | 0.978409           |
| SITE_X58 | 1  | 129.666            | 2.259365       | 57.390                | 0.0001    | 1.015179  | 0.985048           |
| SITE_X59 | 1  | 128.794            | 2.731994       | 47.143                | 0.0001    | 1.006391  | 0.993649           |
| SITE_X60 | 1  | 141.738            | 2.385838       | 59.408                | 0.0001    | 1.019877  | 0.980511           |
| SITE_X61 | 1  | 118.843            | 2.747278       | 43.258                | 0.0001    | 1.015217  | 0.985011           |
| SITE_X62 | 1  | 133.746            | 2.932523       | 45.608                | 0.0001    | 1.013429  | 0.986749           |
| SITE_X63 | 1  | 127.595            | 2.252805       | 56.638                | 0.0001    | 1.021100  | 0.979336           |
| SITE_X64 | 1  | 122.236            | 2.302834       | 53.081                | 0.0001    | 1.018131  | 0.982192           |
| L_BLD_PB | 1  | 5.713855           | 1.012497       | 5.643                 | 0.0001    | 0.834486  | 1.198343           |

TEH 0352146

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

**GROUP=MALES**

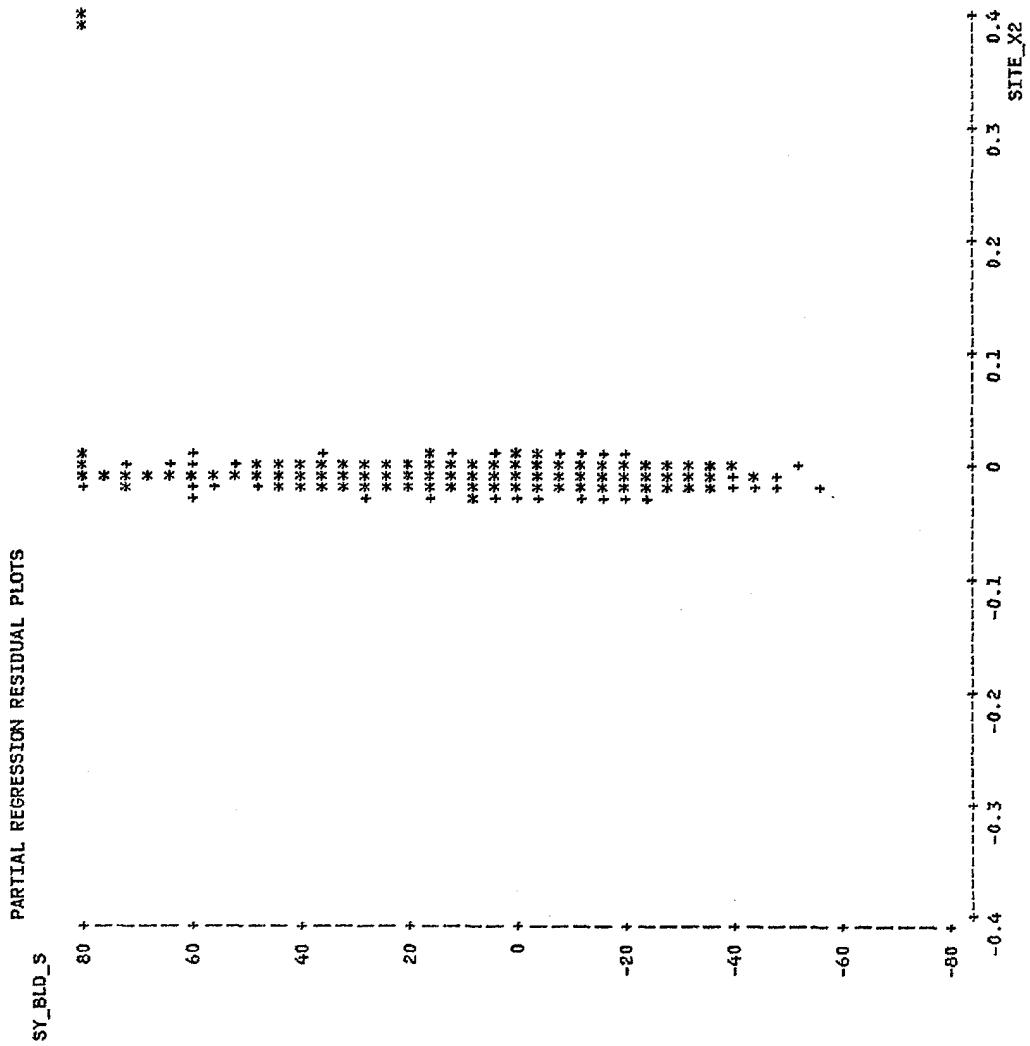
### PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352147

DUP050300784

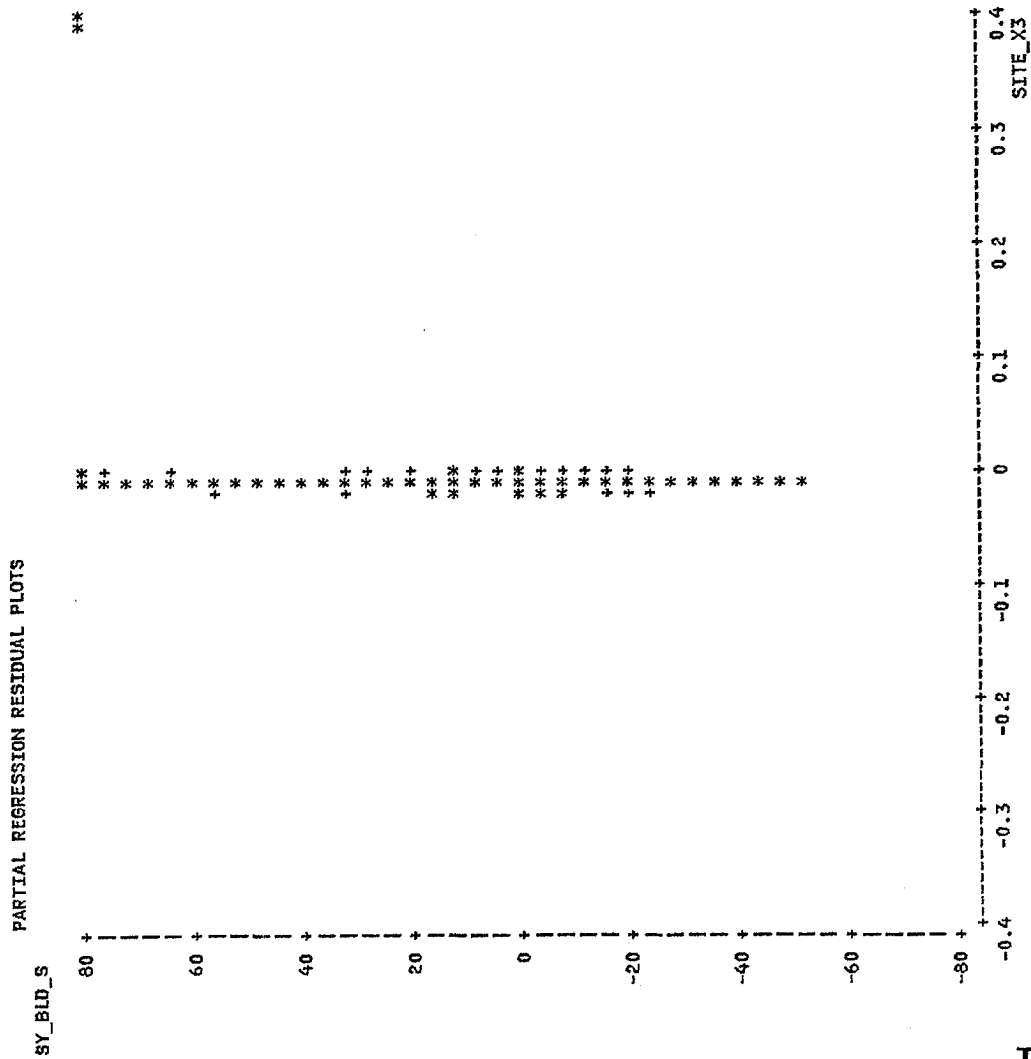
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=HALES



TEH 0352148

73  
20:55 THURSDAY, APRIL 25, 1985

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES



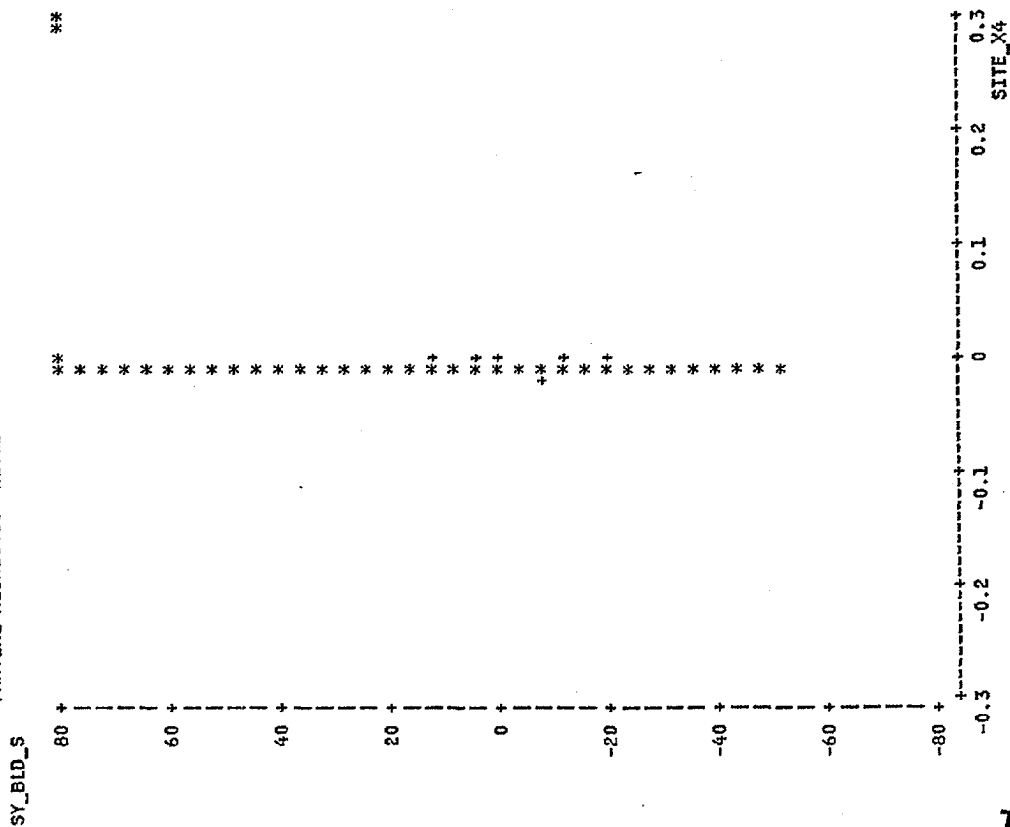
TEH 0352149

DUP050300786

74  
20:55 THURSDAY, APRIL 25, 1985

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS



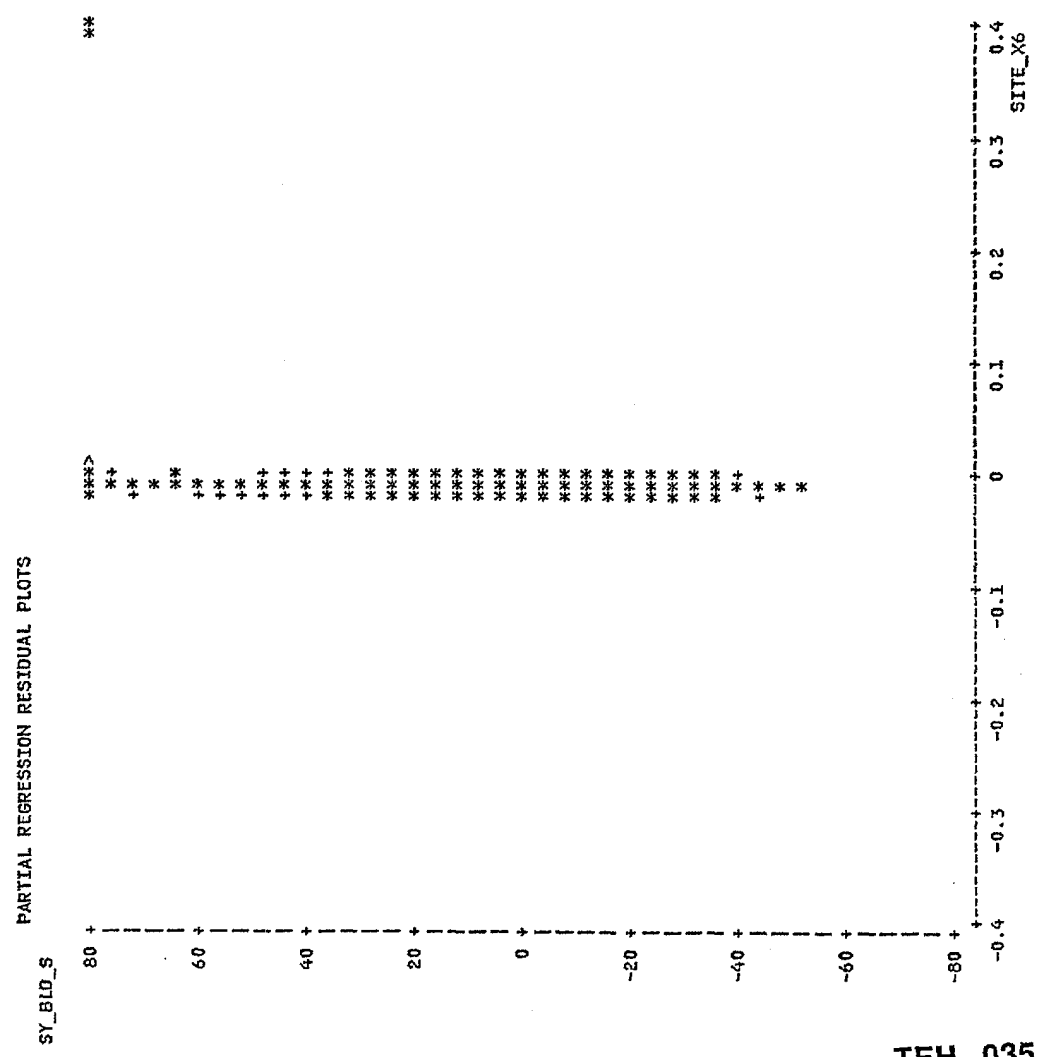
TEH 0352150

DUP050300787



REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

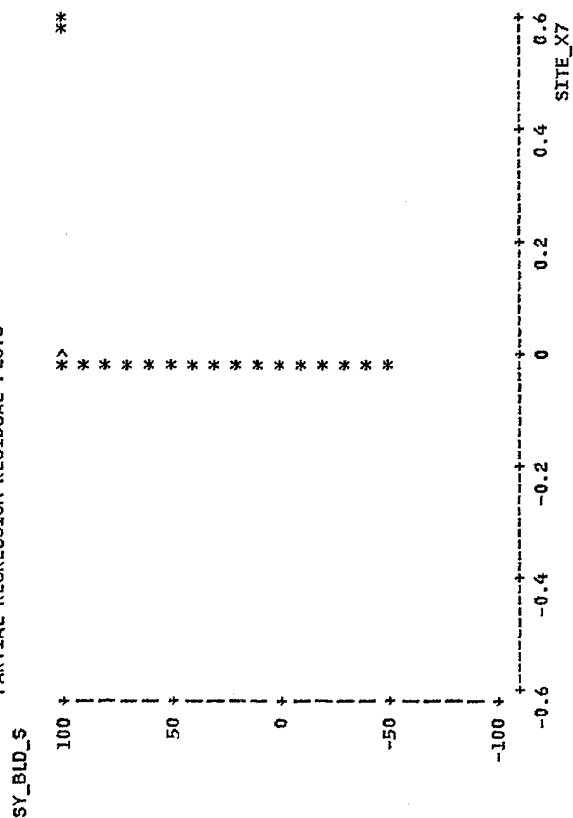


TEH 0352152

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

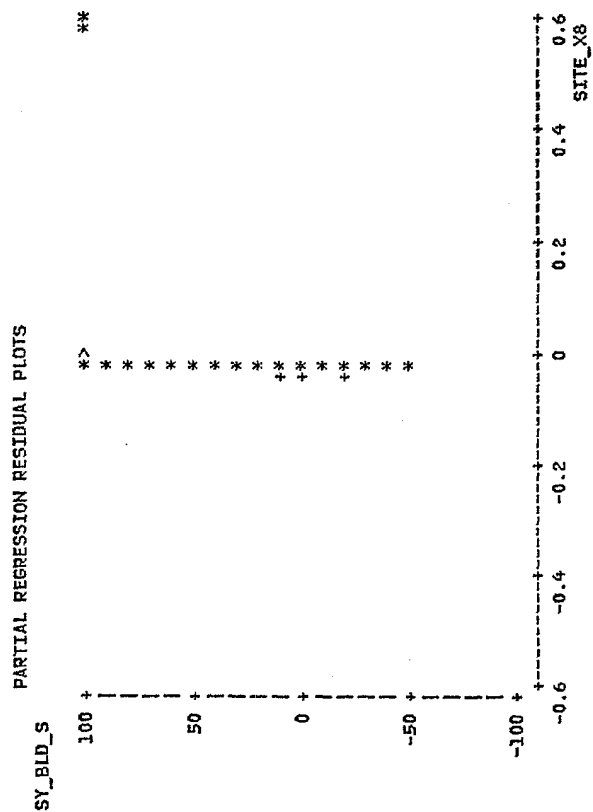
GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS



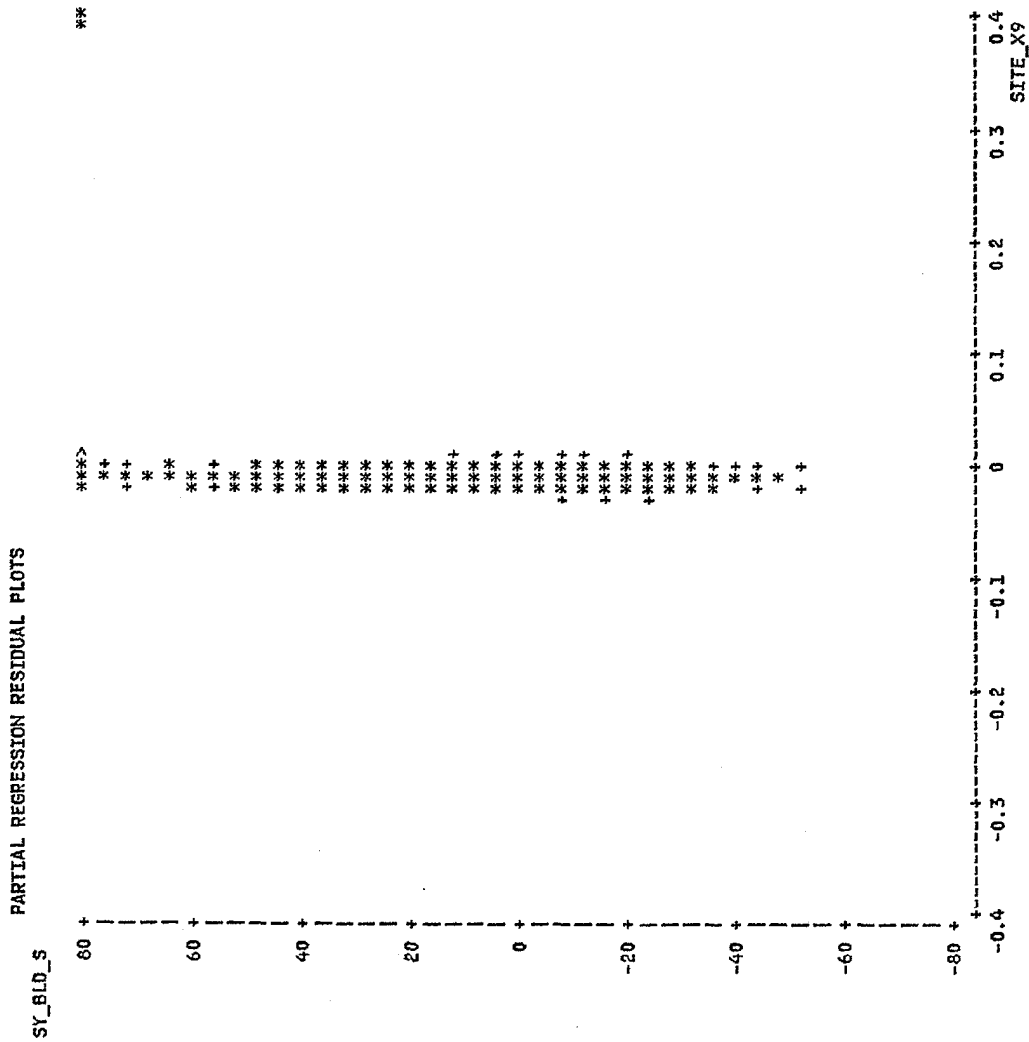
TEH 0352153

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_5 DEPENDENT



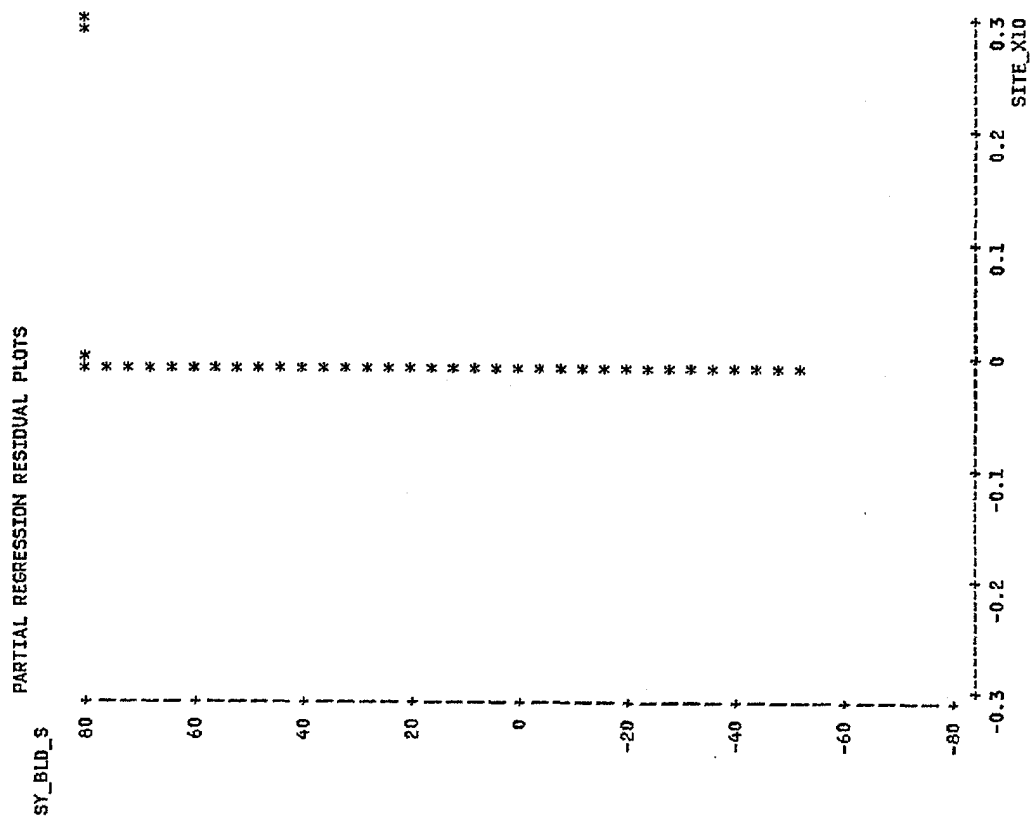
DUP050300791

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1--SY\_BLD\_\$ DEPENDENT  
GROUP=MALES



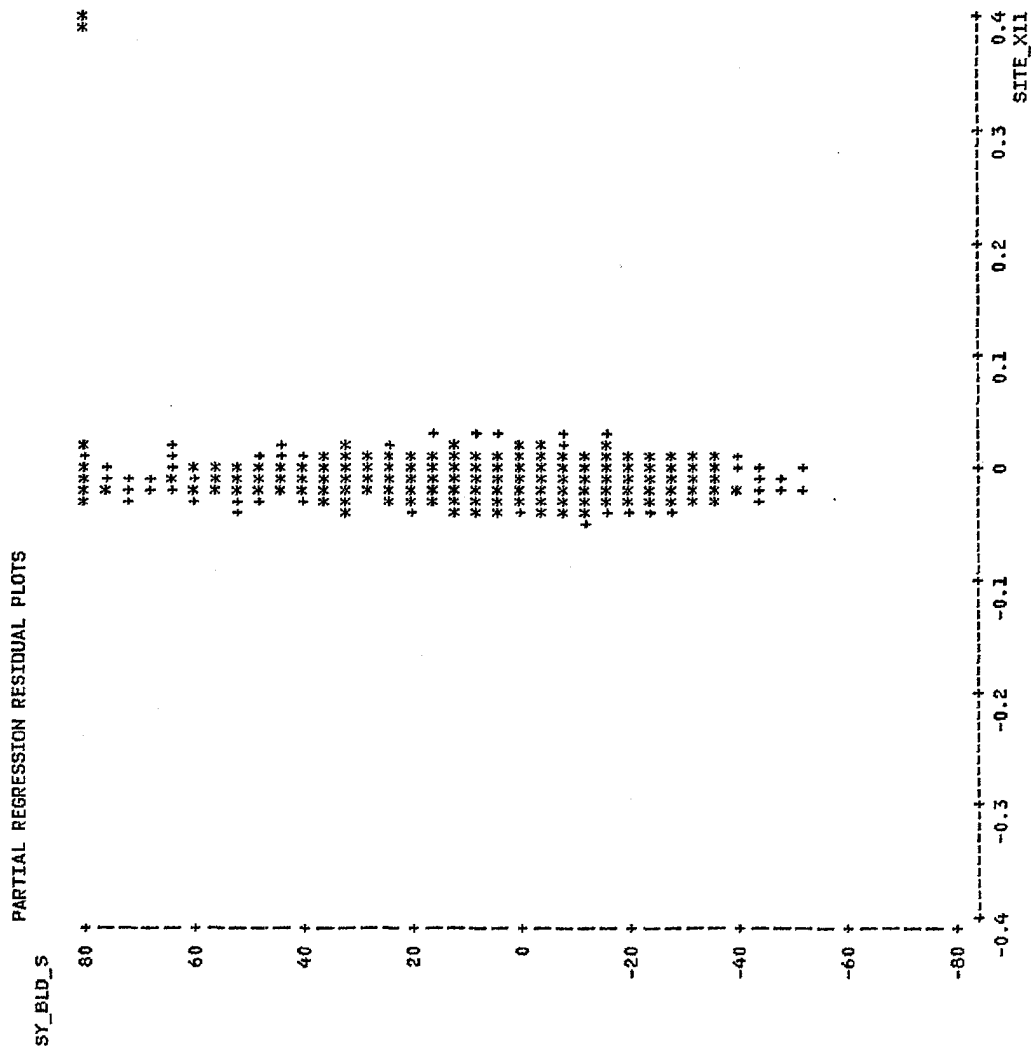
TEH 0352155

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_\$ DEPENDENT



TEH 0352156

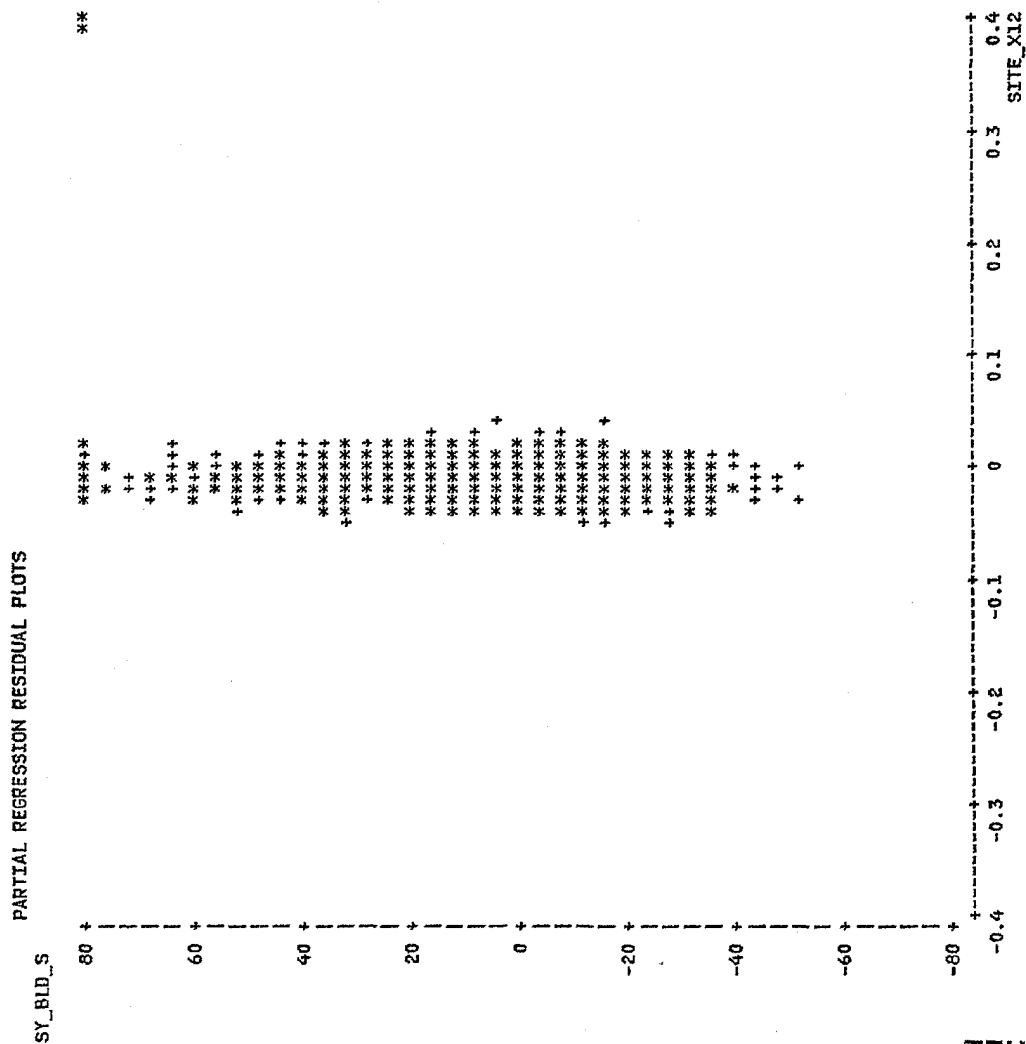
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES



TEH 0352157

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_5 DEPENDENT

**GROUP=MALES**



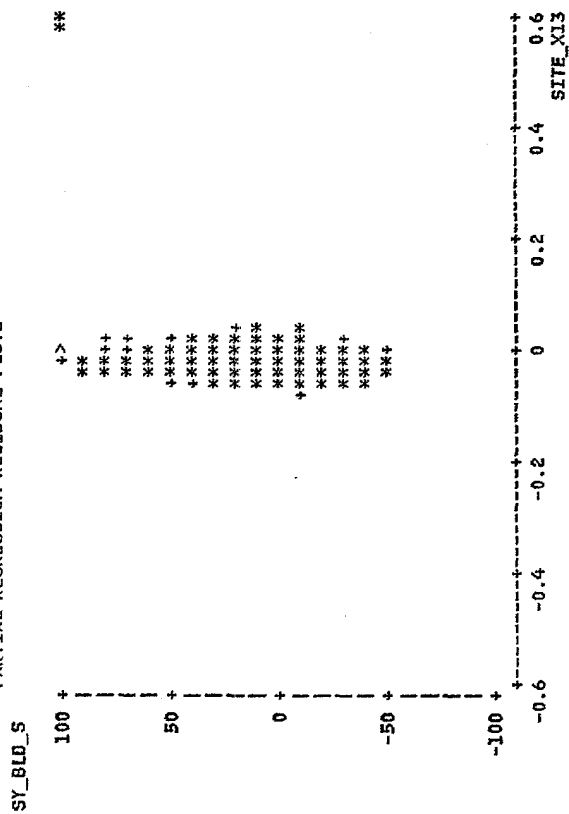
TEH 0352158

DUP050300795

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

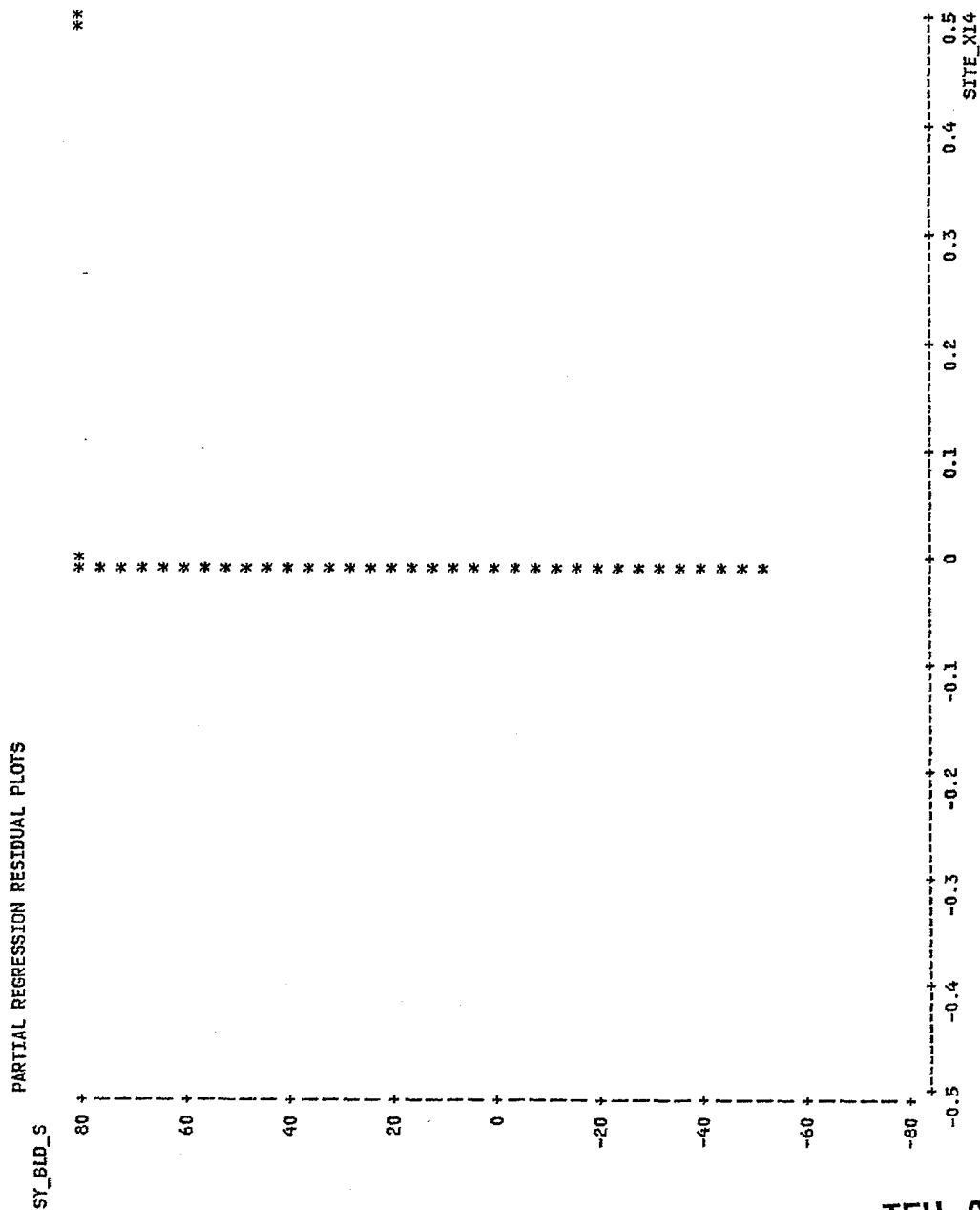
GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352159

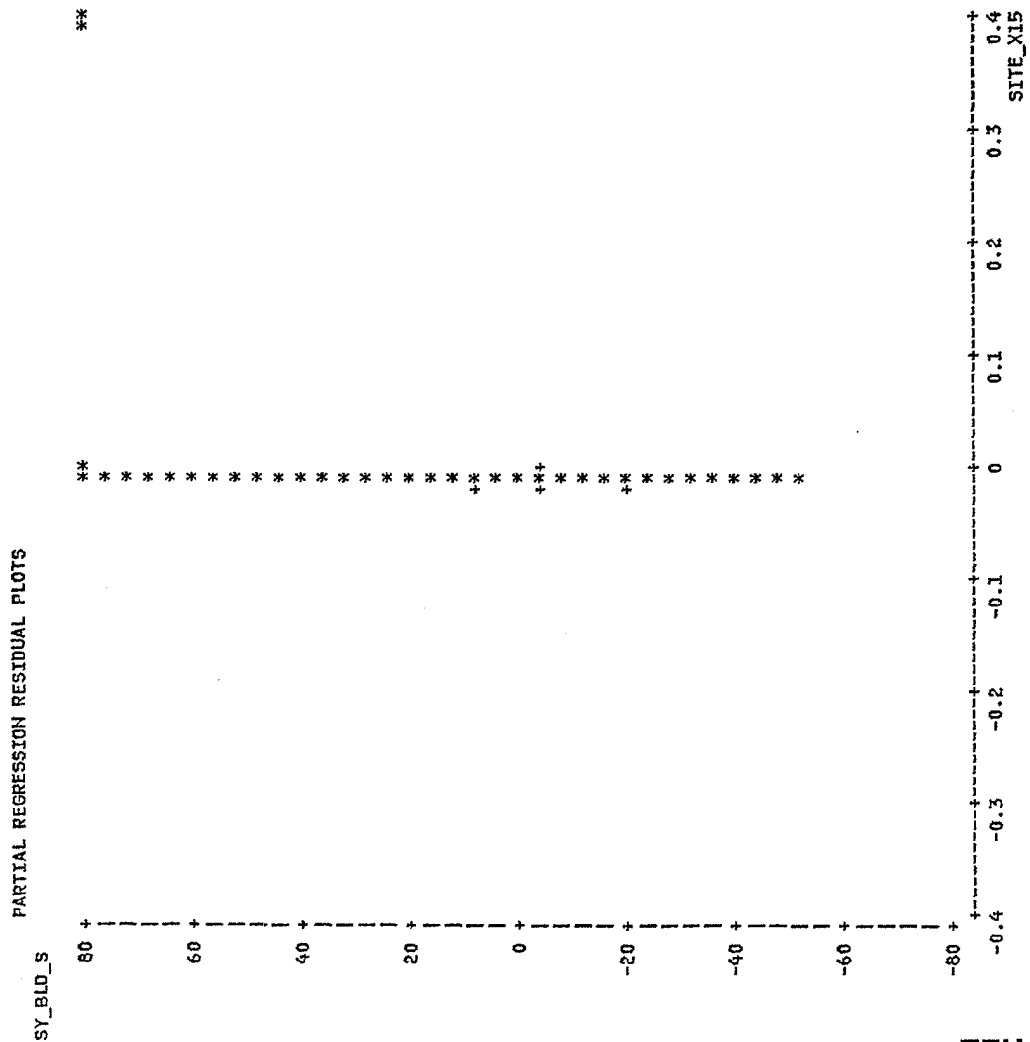
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_5 DEPENDENT



TEH 0352160

85  
20:55 THURSDAY, APRIL 25, 1985

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES



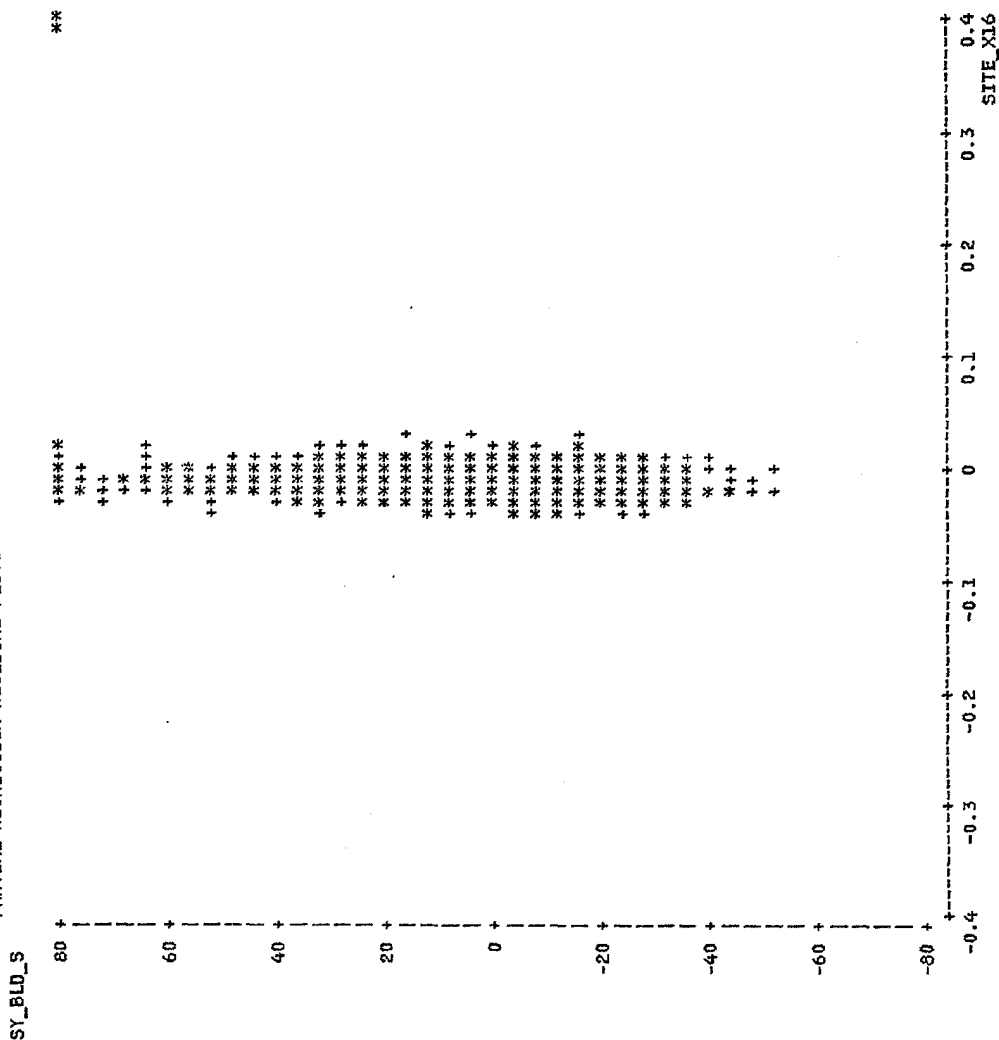
TEH 0352161

DUP050300798

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

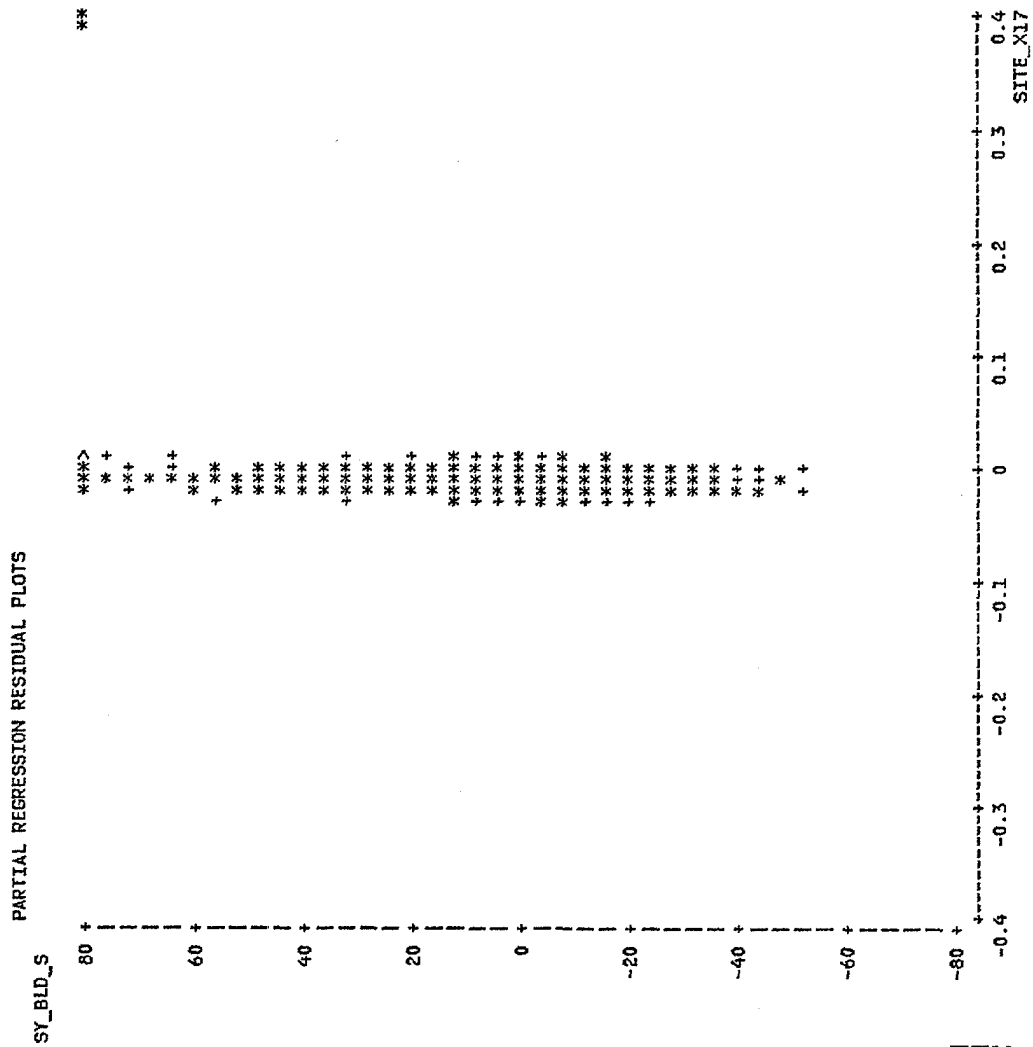
GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352162

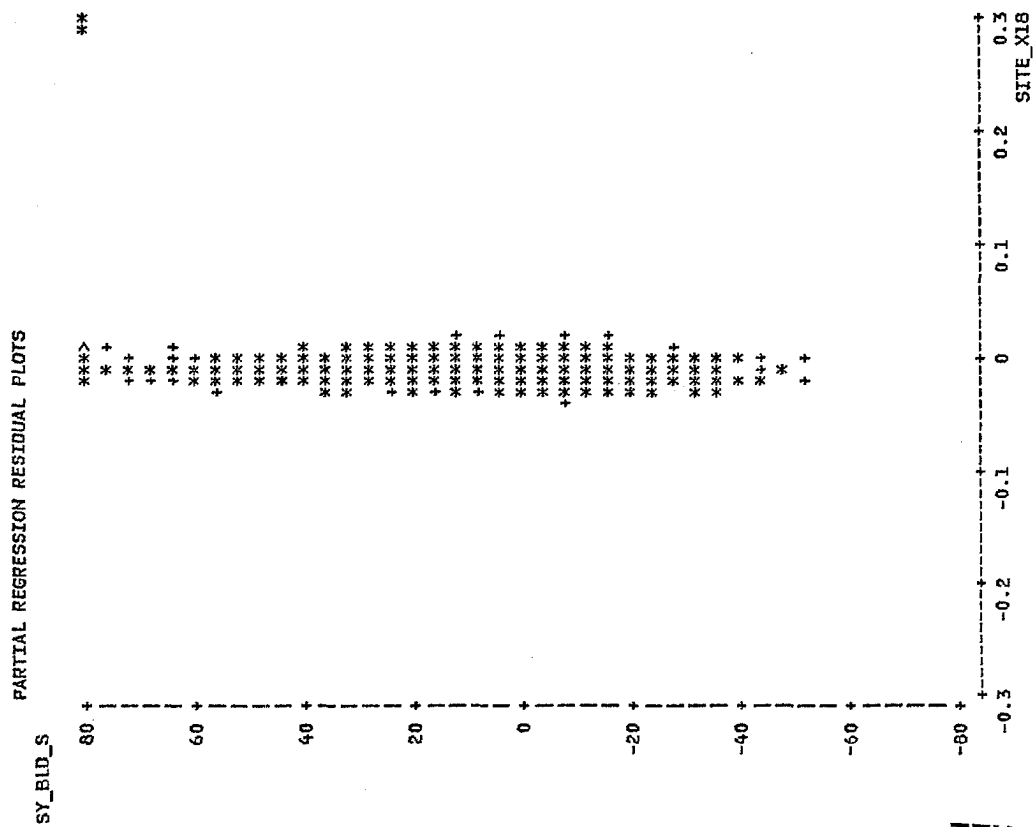
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_\$ DEPENDENT



**TEH 0352163**

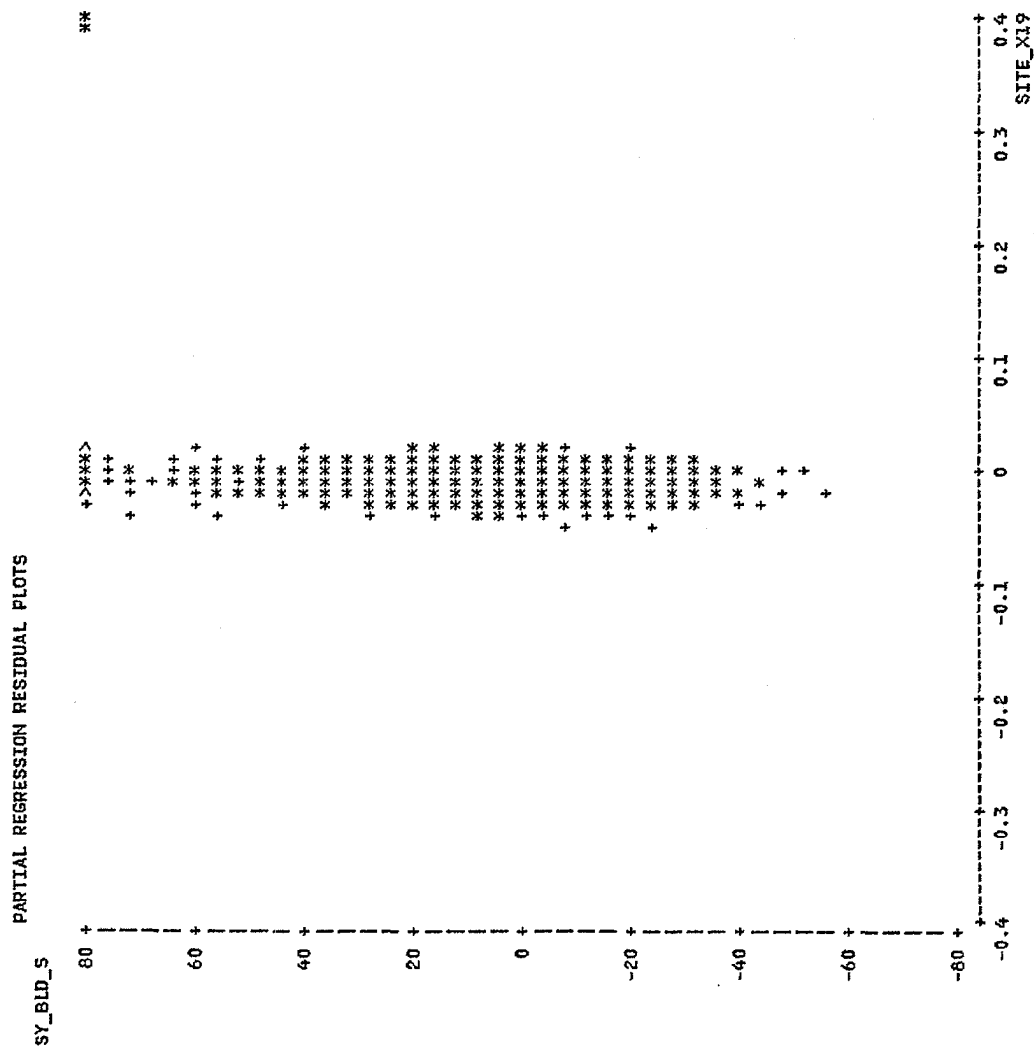
DUP050300800

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT



TEH 0352164

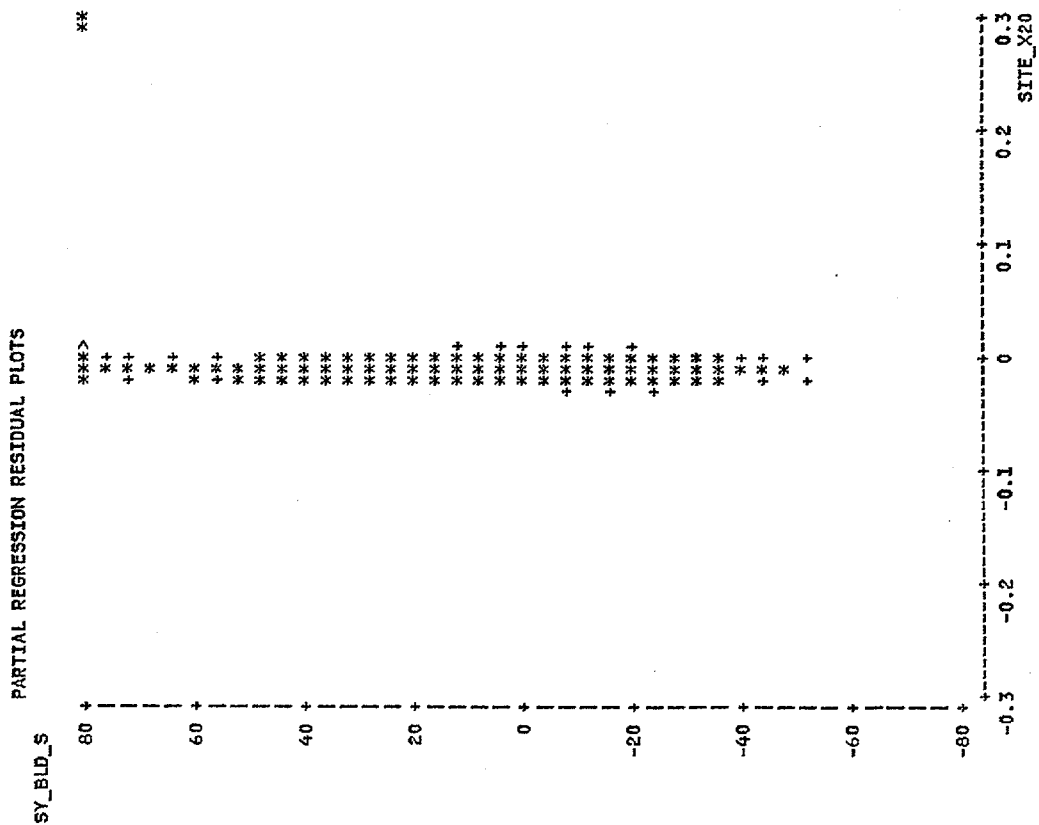
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT



**TEH 0352165**

DUP050300802

**GROUP=MALES**

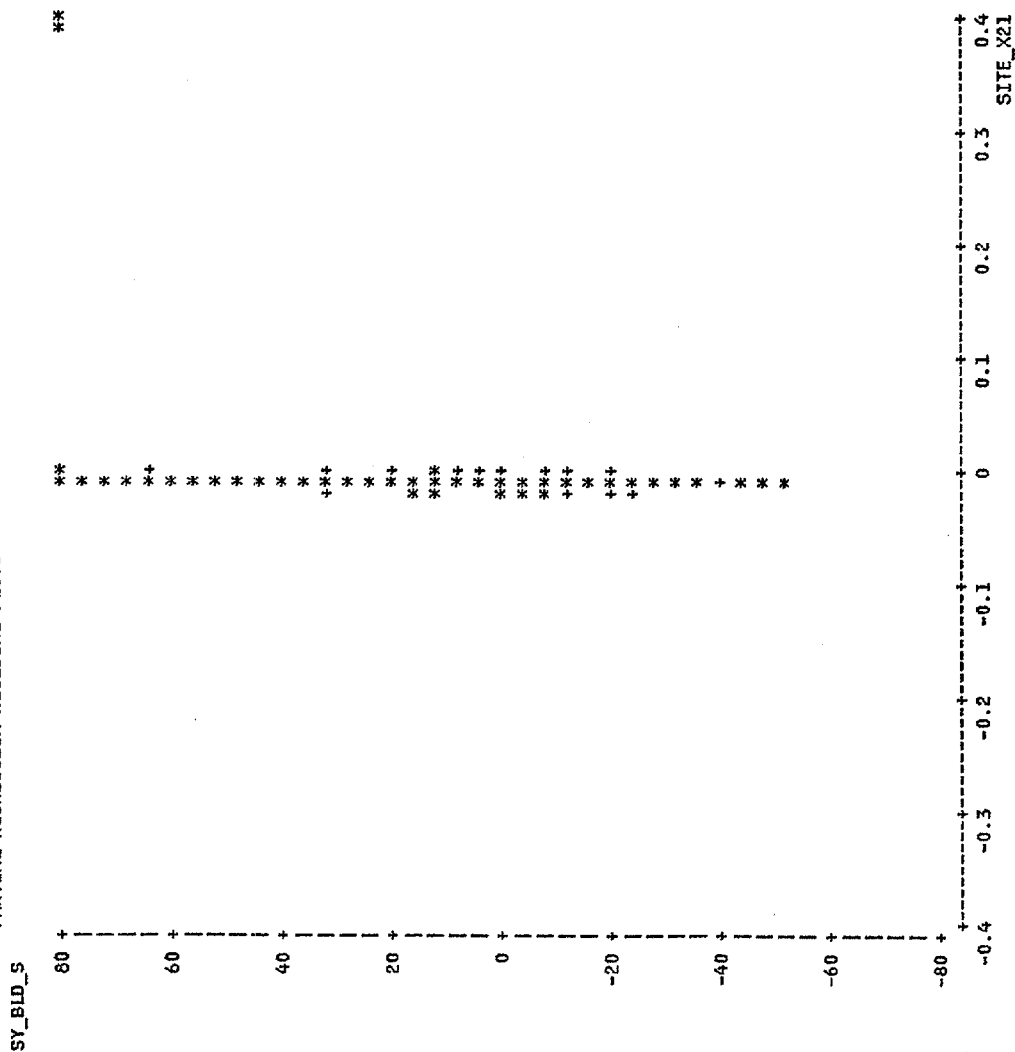


**TEH 0352166**

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

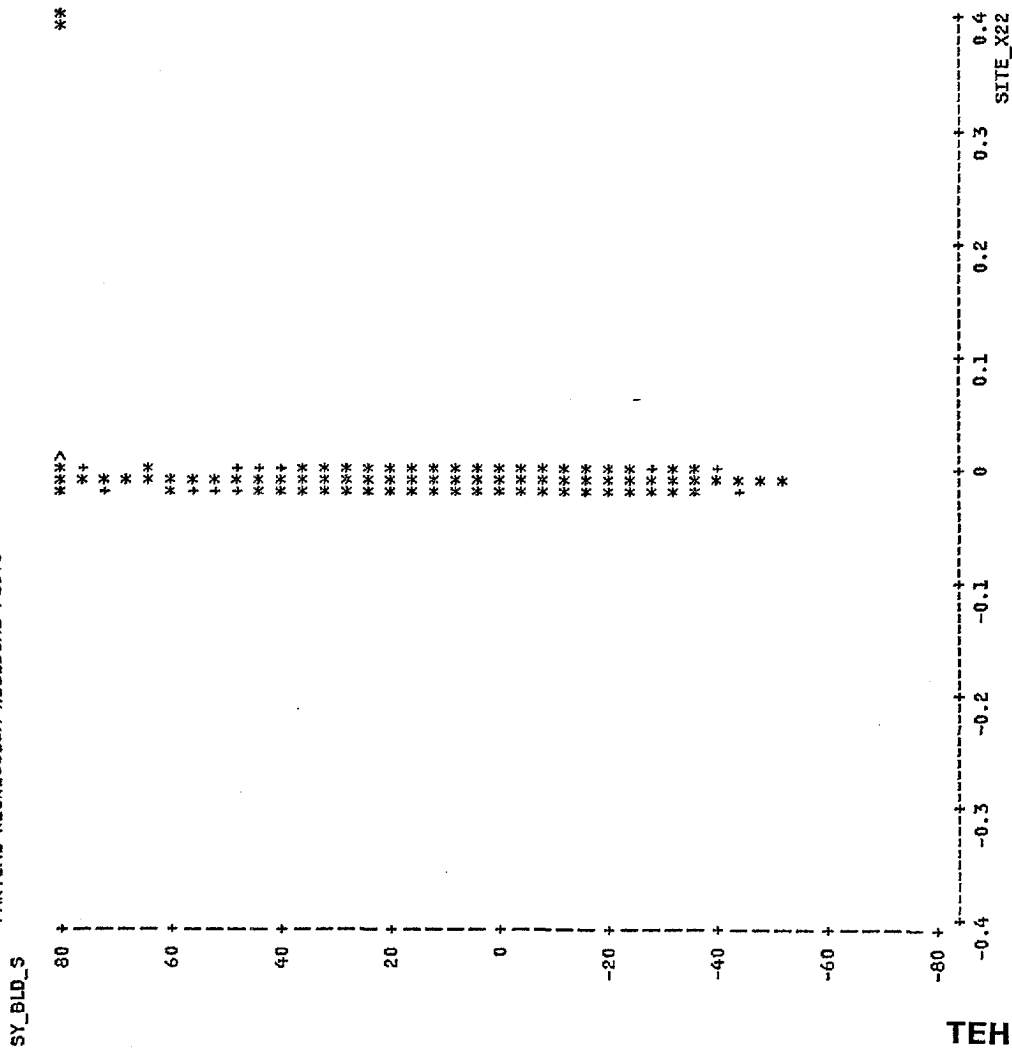
PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352167

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES

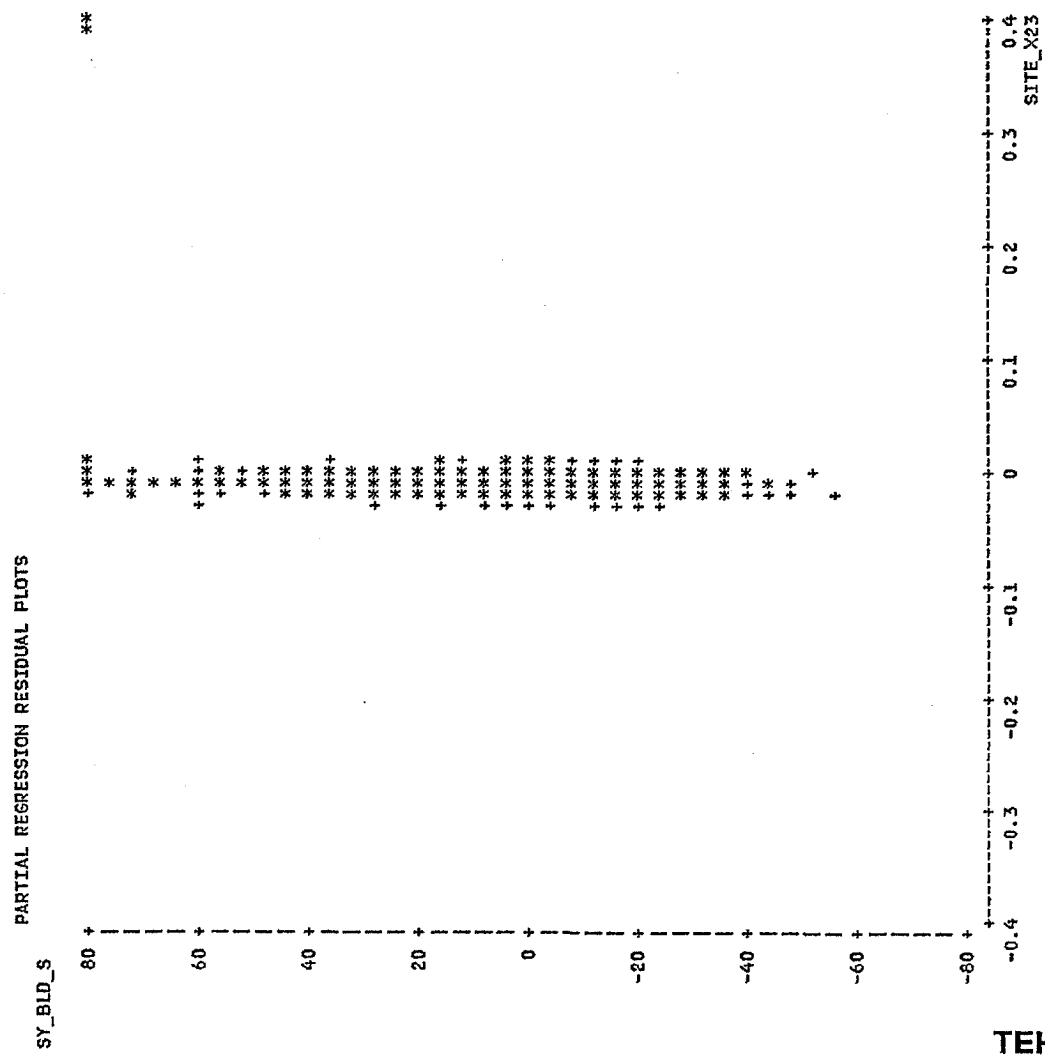
PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352168

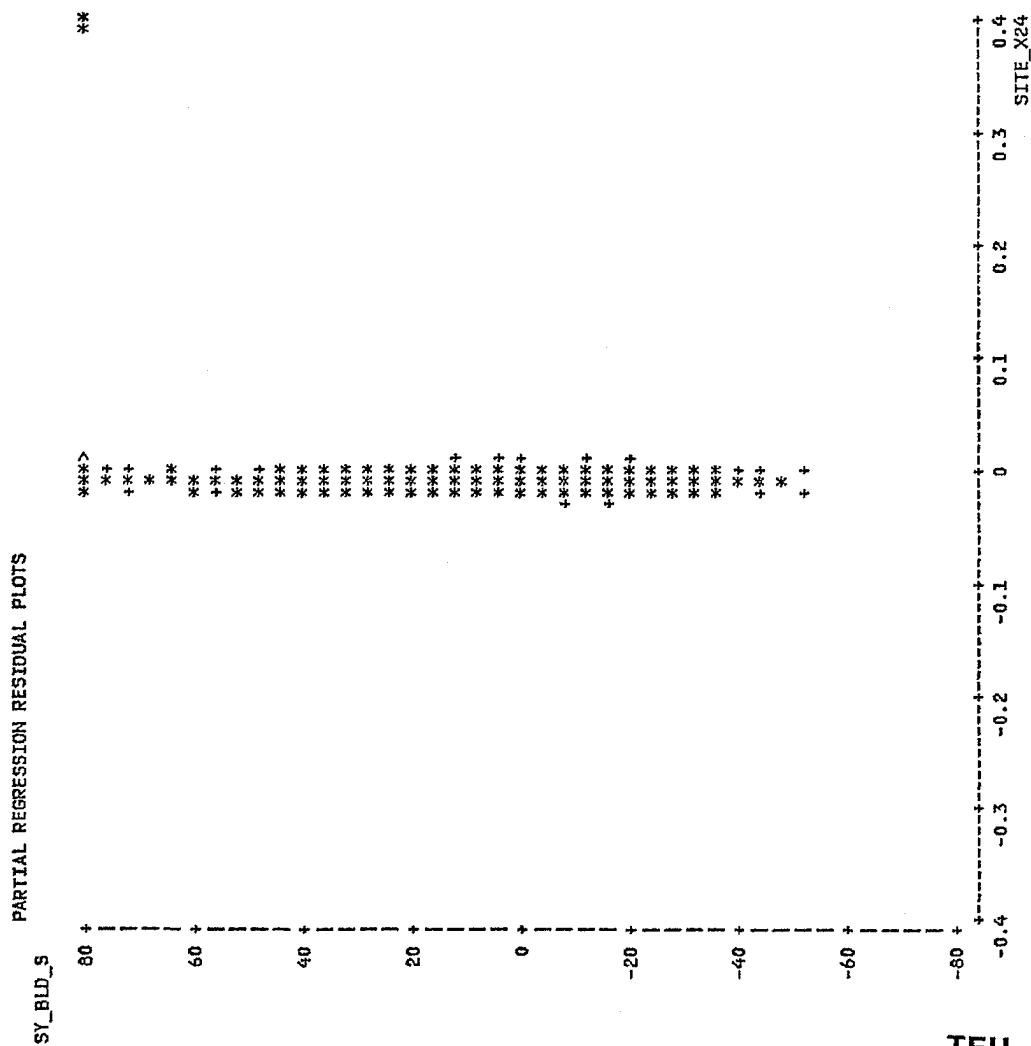
93  
20:55 THURSDAY, APRIL 25, 1985

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES



TEH 0352169

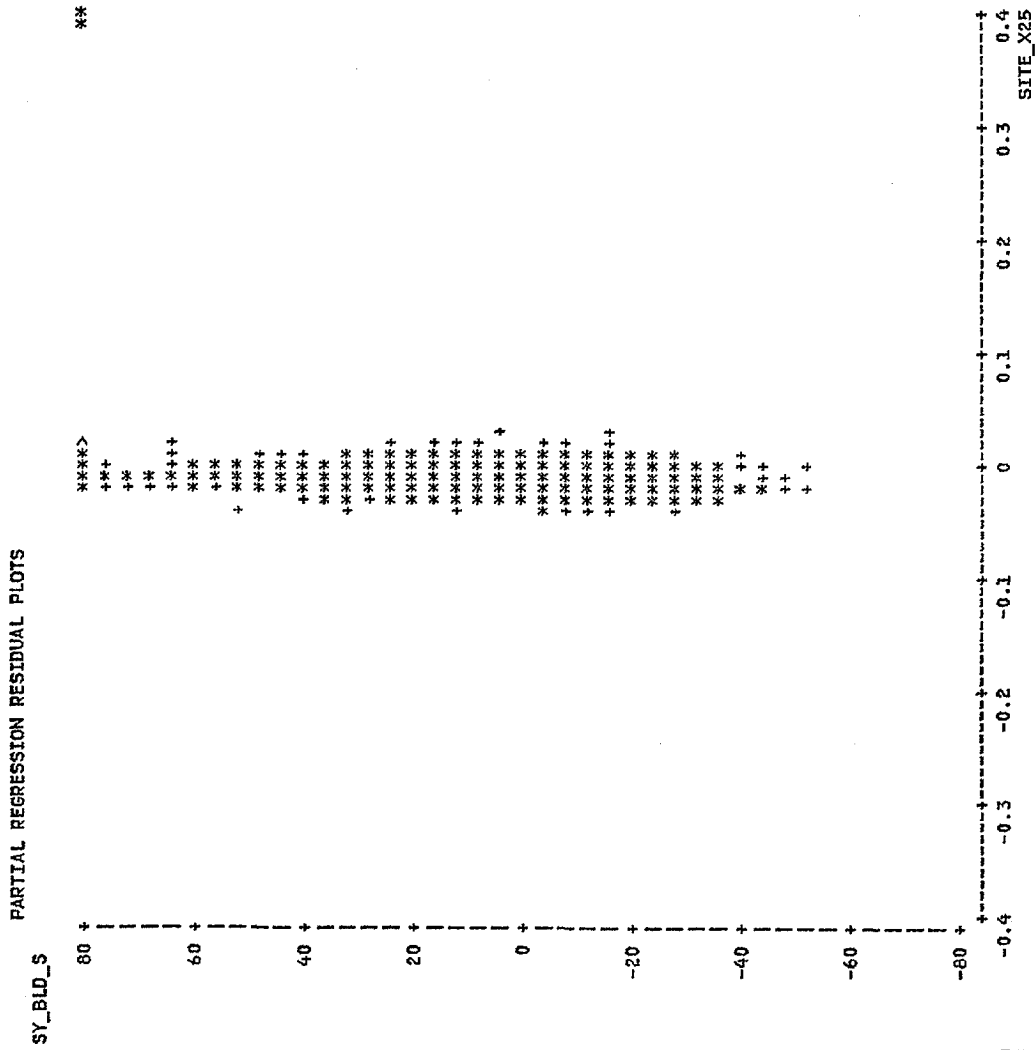
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT



TEH 0352170

DUP050300807

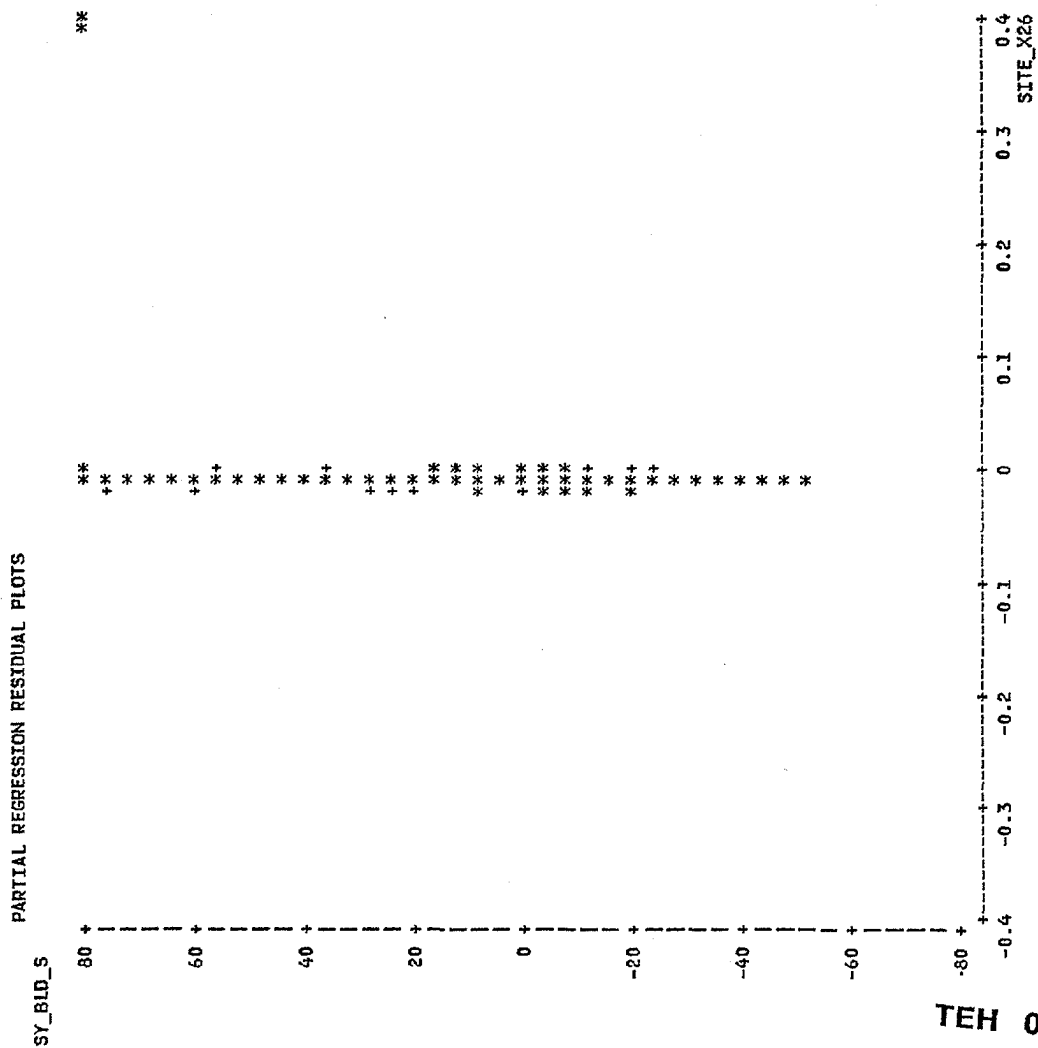
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=NALES



TEH 0352171

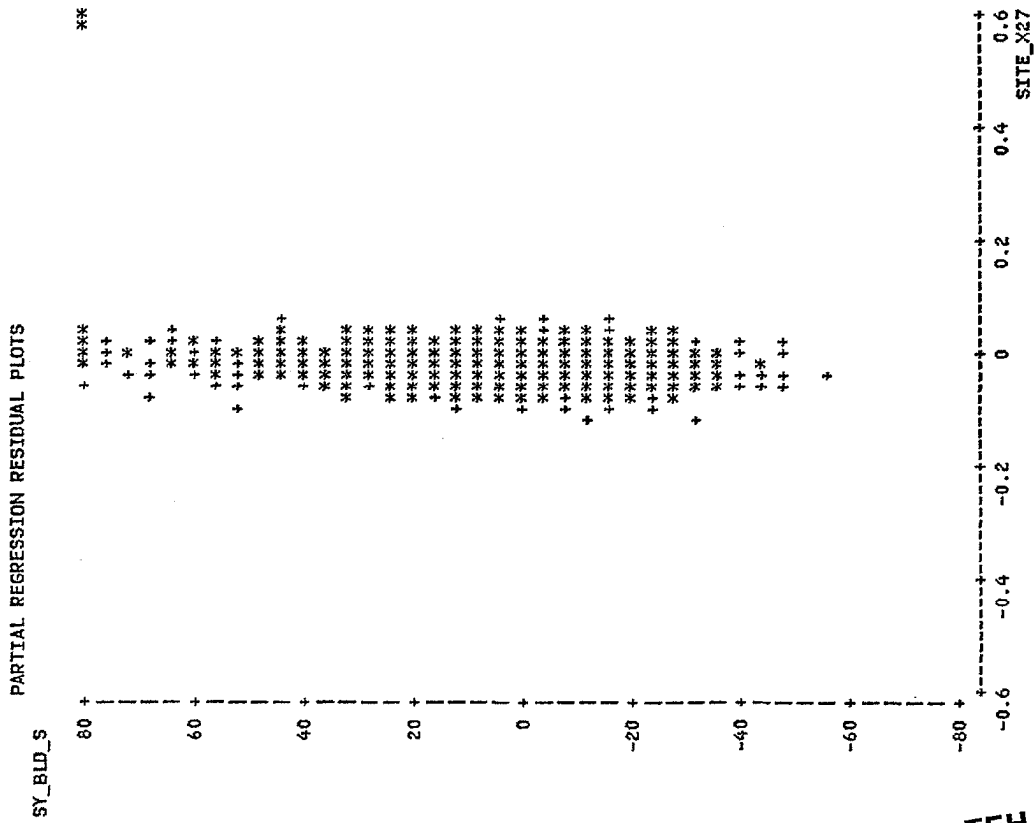
20:55 THURSDAY, APRIL 25, 1985 96

REGRESSION ON RAW DATA BY GROUPS FOR MODEL I-SY\_BLD\_S DEPENDENT  
GROUP=MALES



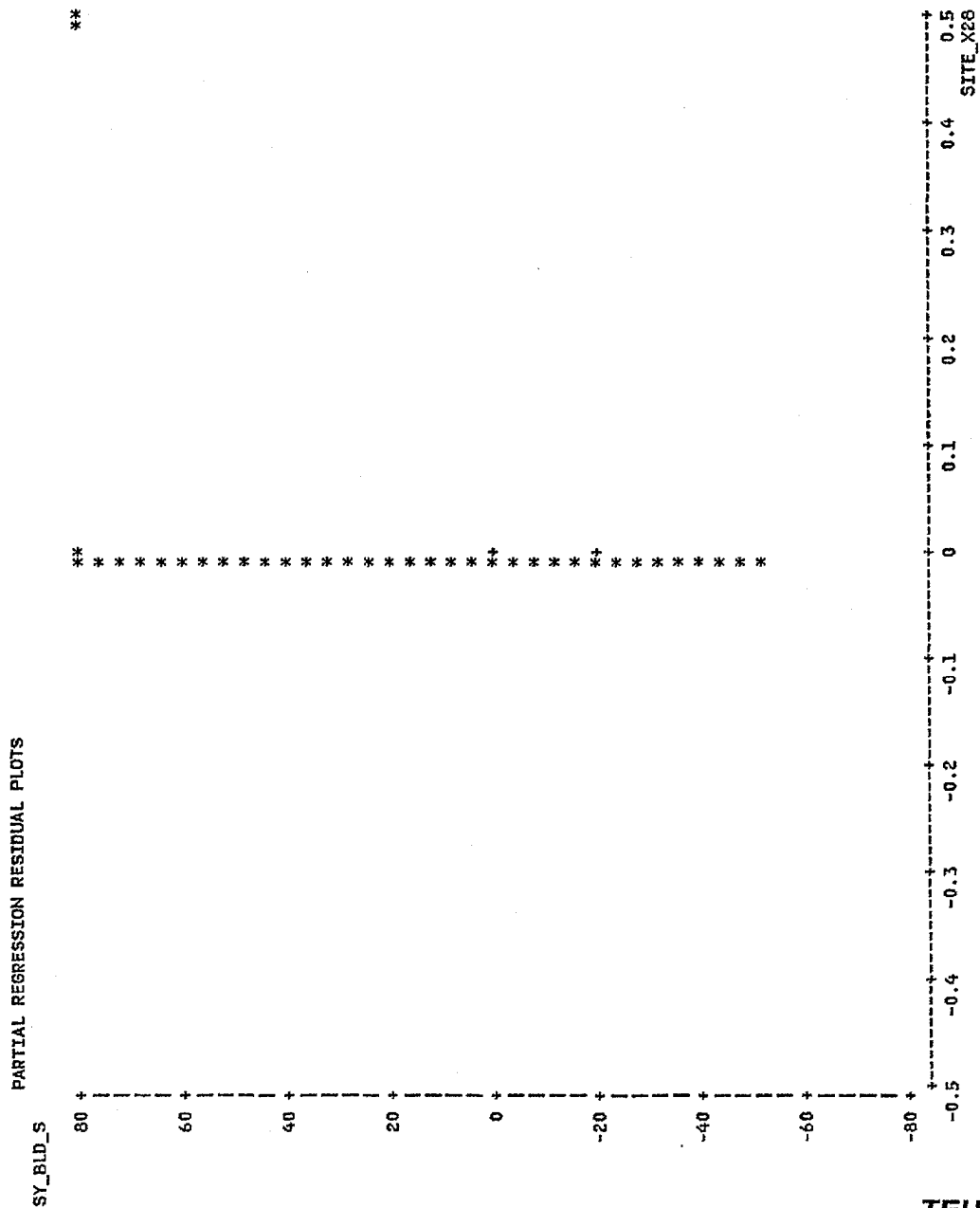
TEH 0352172

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES



TEH 0352173

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

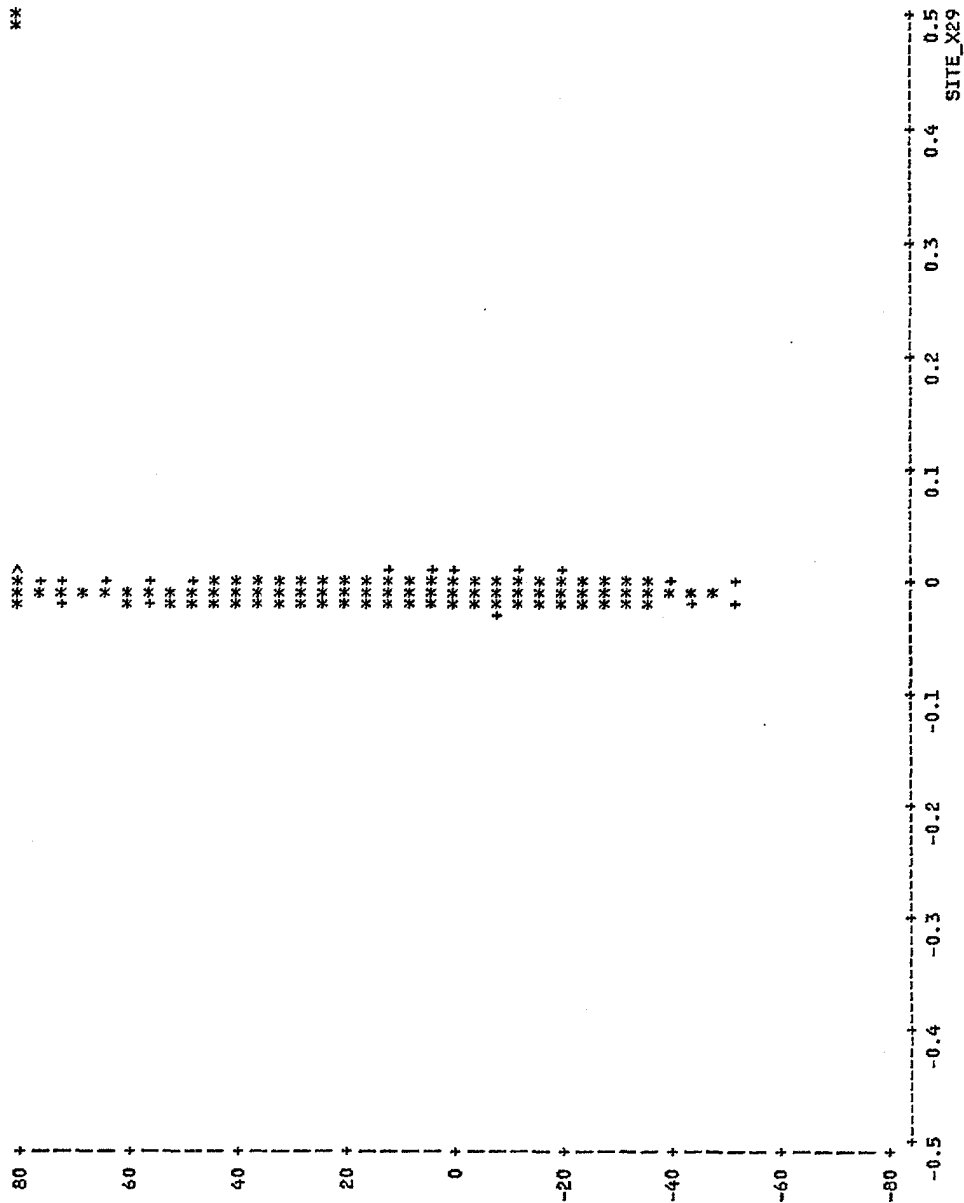


**TEH 0352174**

GROUP=MALES

### PARTIAL REGRESSION RESIDUAL PLOTS

SYD\_BLD\_15

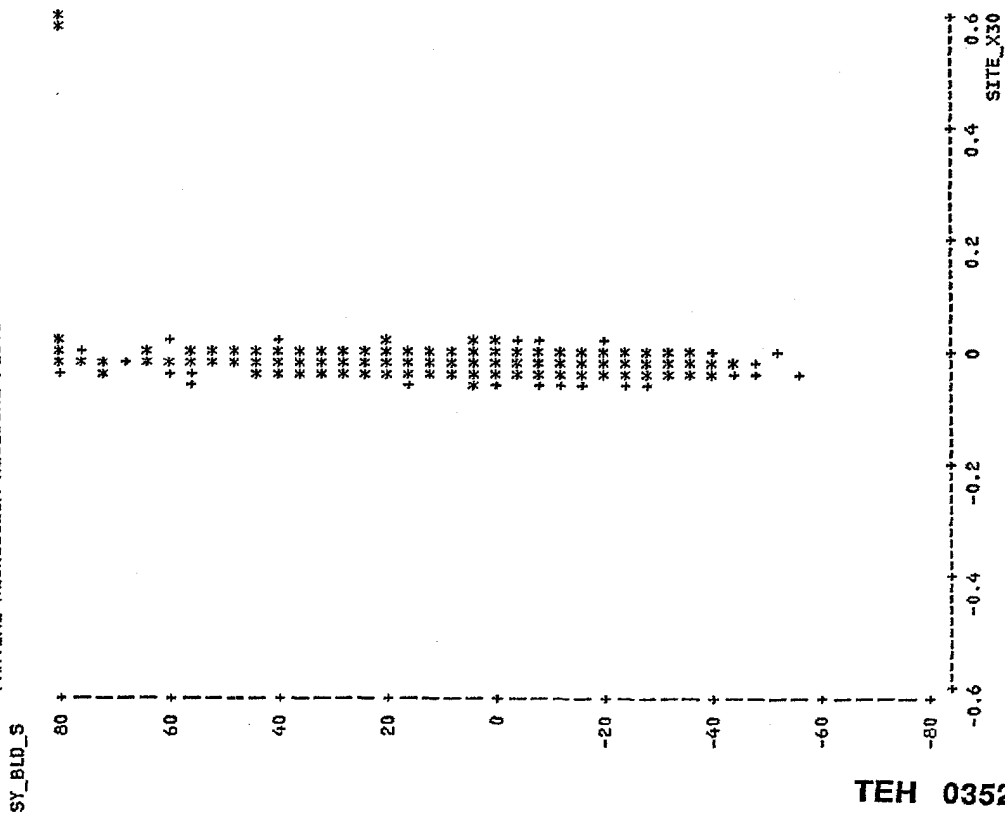


TEH 0352175

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

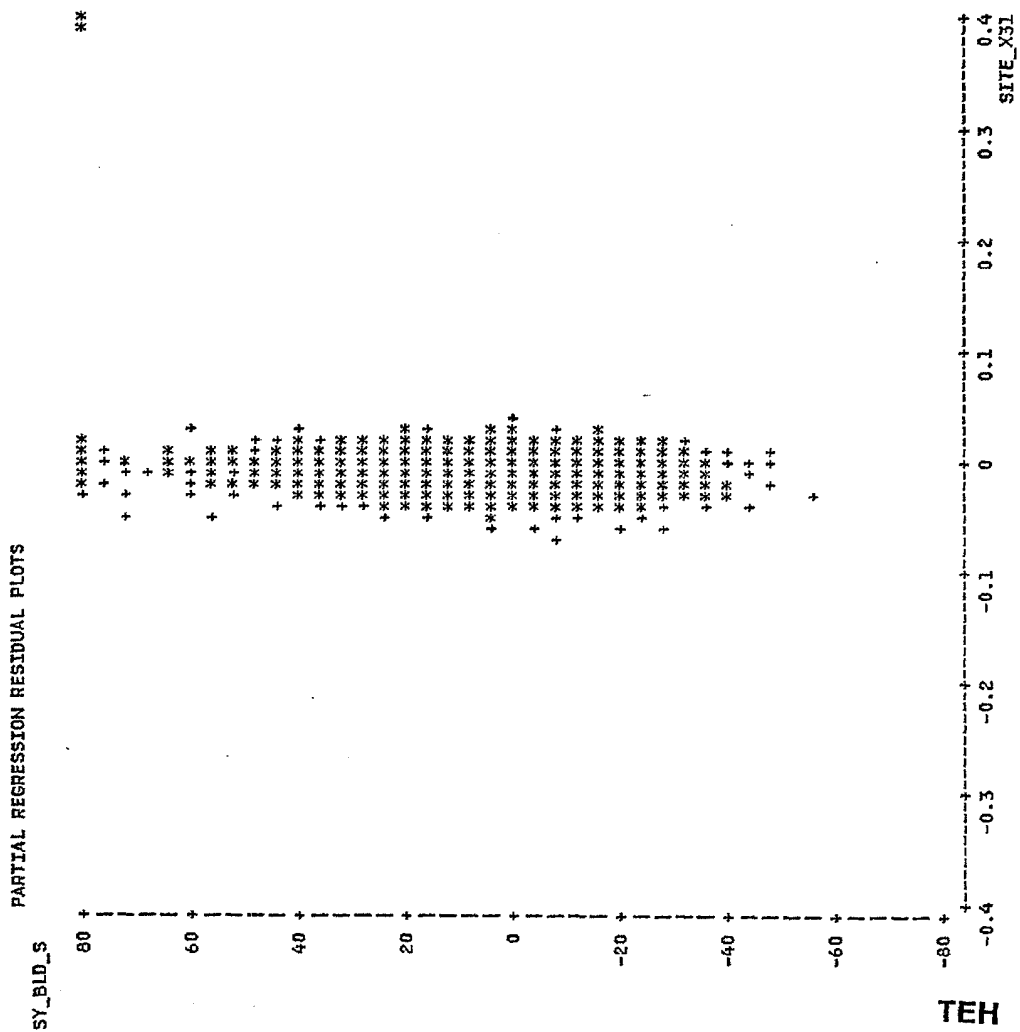
GROUP-MALES

PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352176

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES



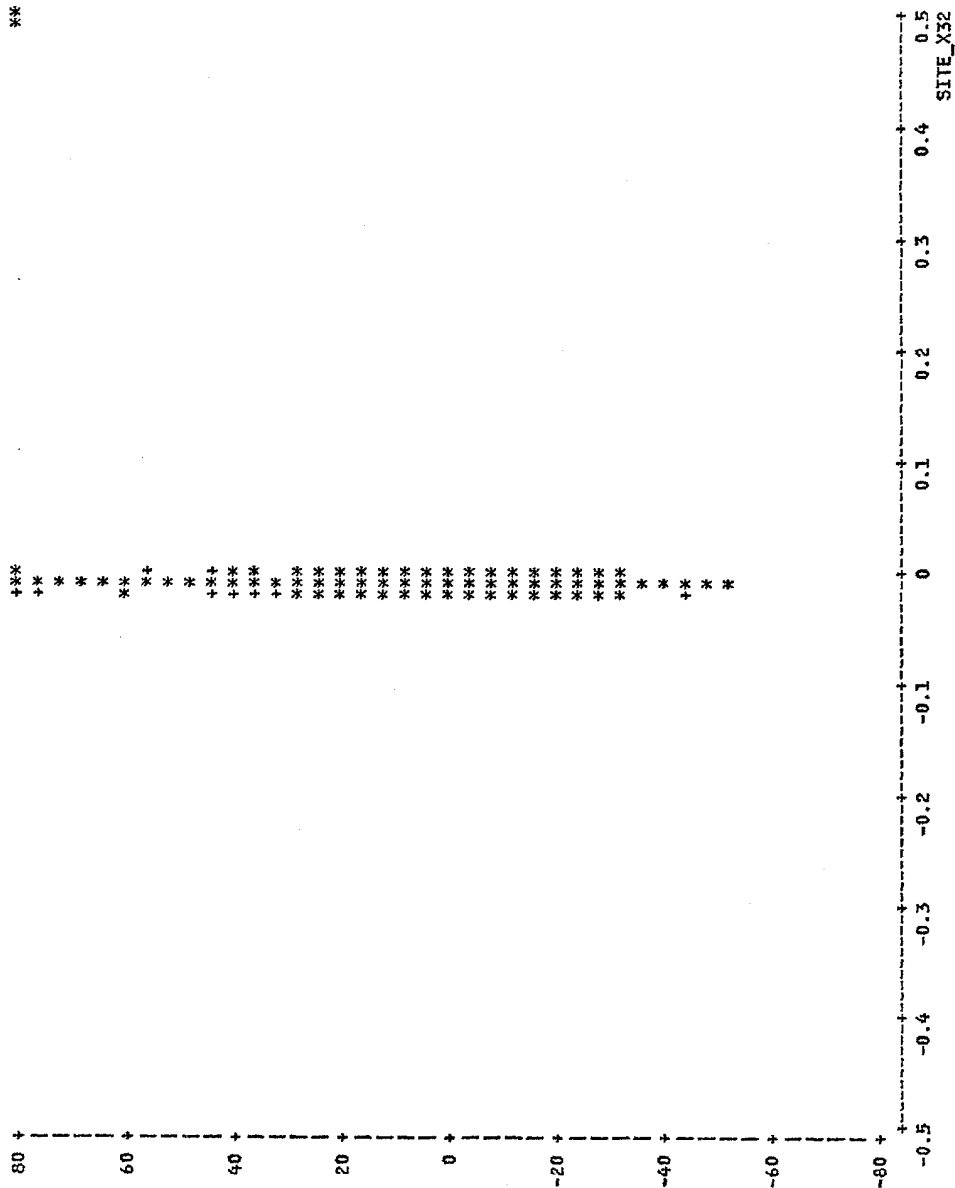
102  
20:55 THURSDAY, APRIL 25, 1985

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS

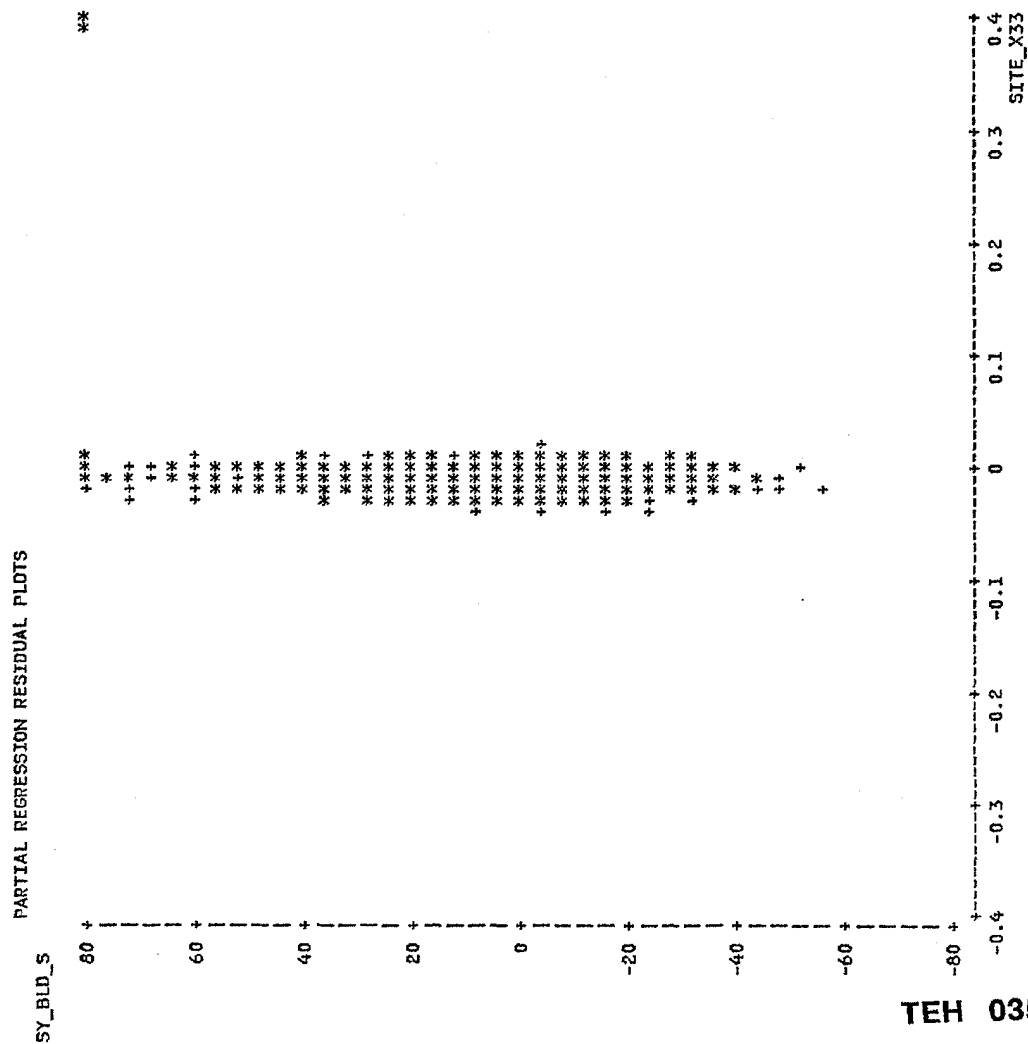
SY\_BLD\_S



TEH 0352178

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

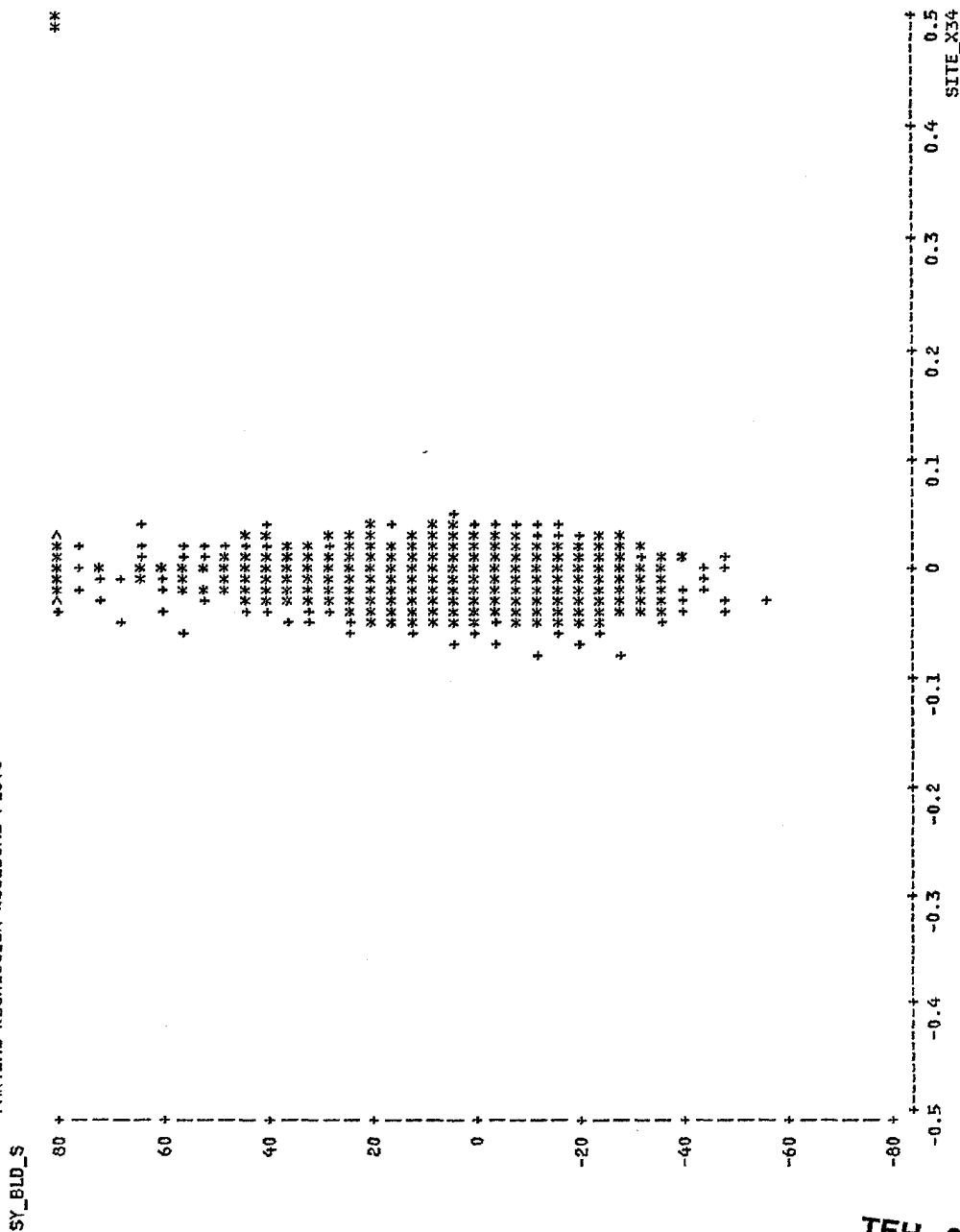


TEH 0352179

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP-MALES

PARTIAL REGRESSION RESIDUAL PLOTS

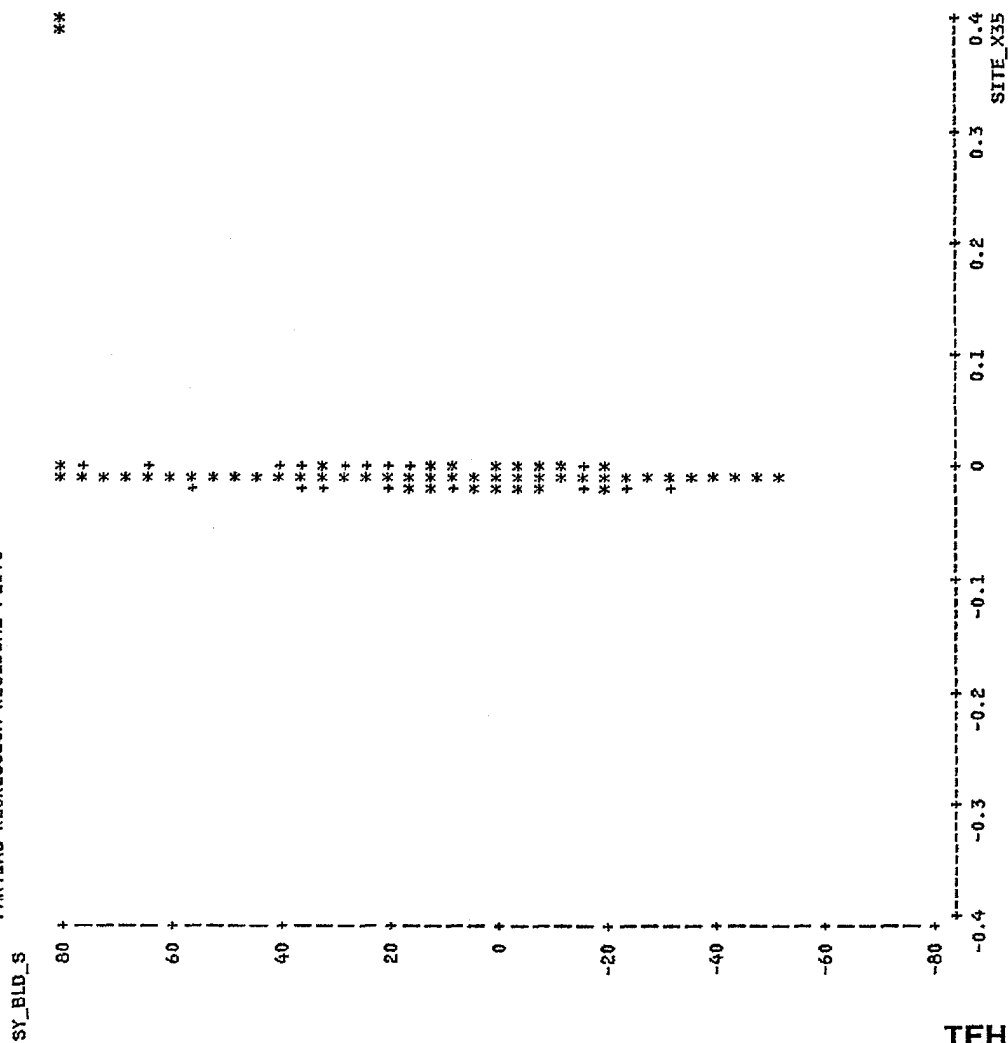


TEH 0352180

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS

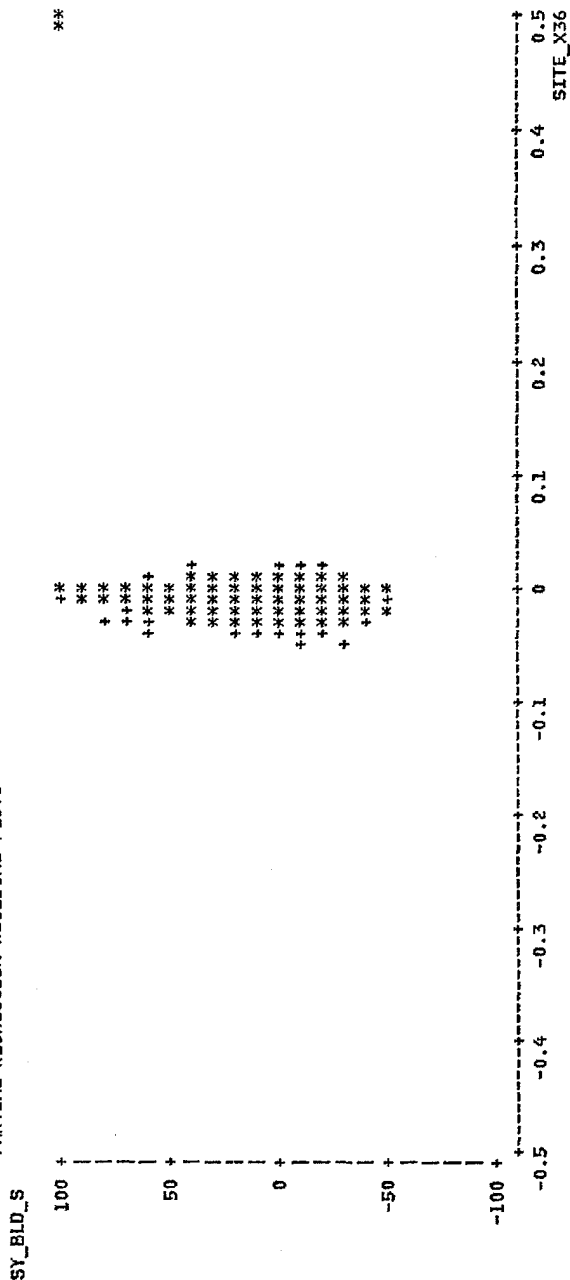


TEH 0352181

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

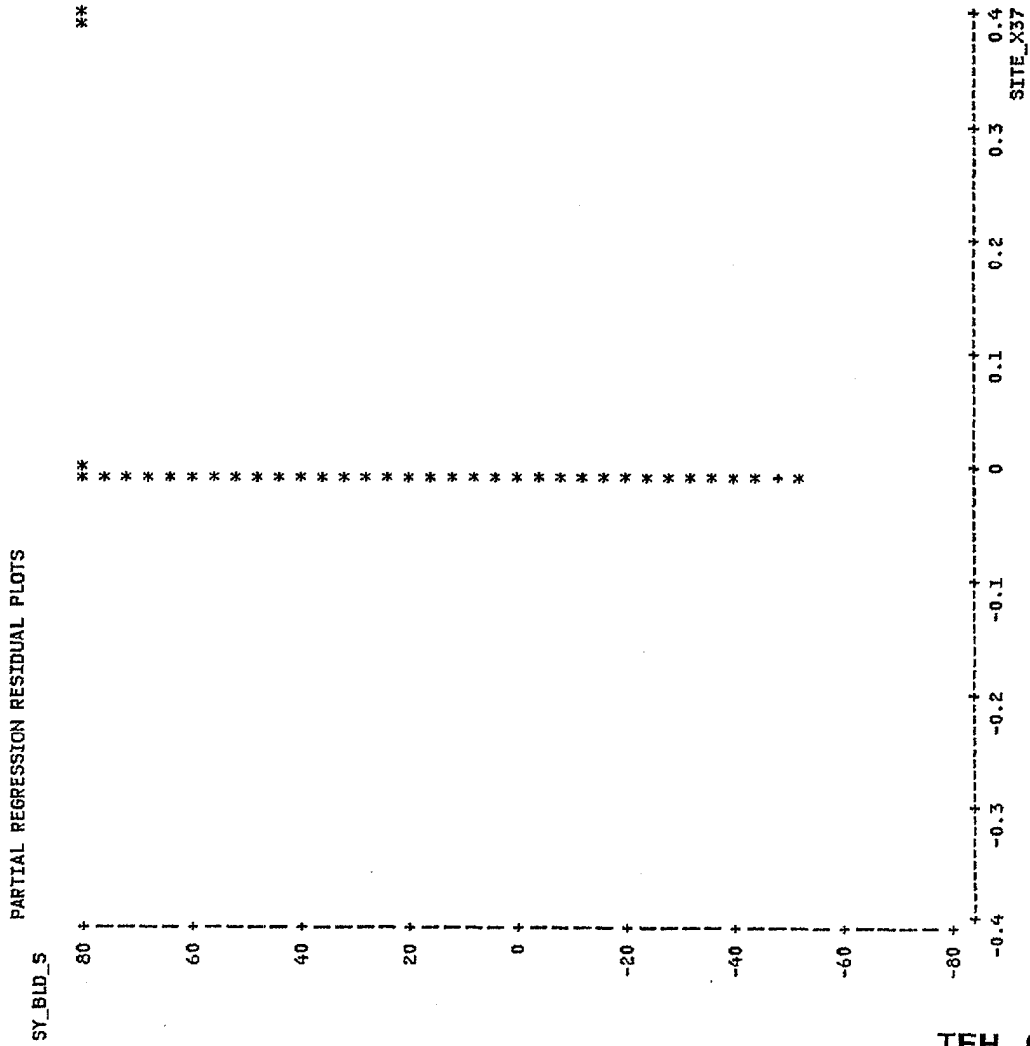
GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS

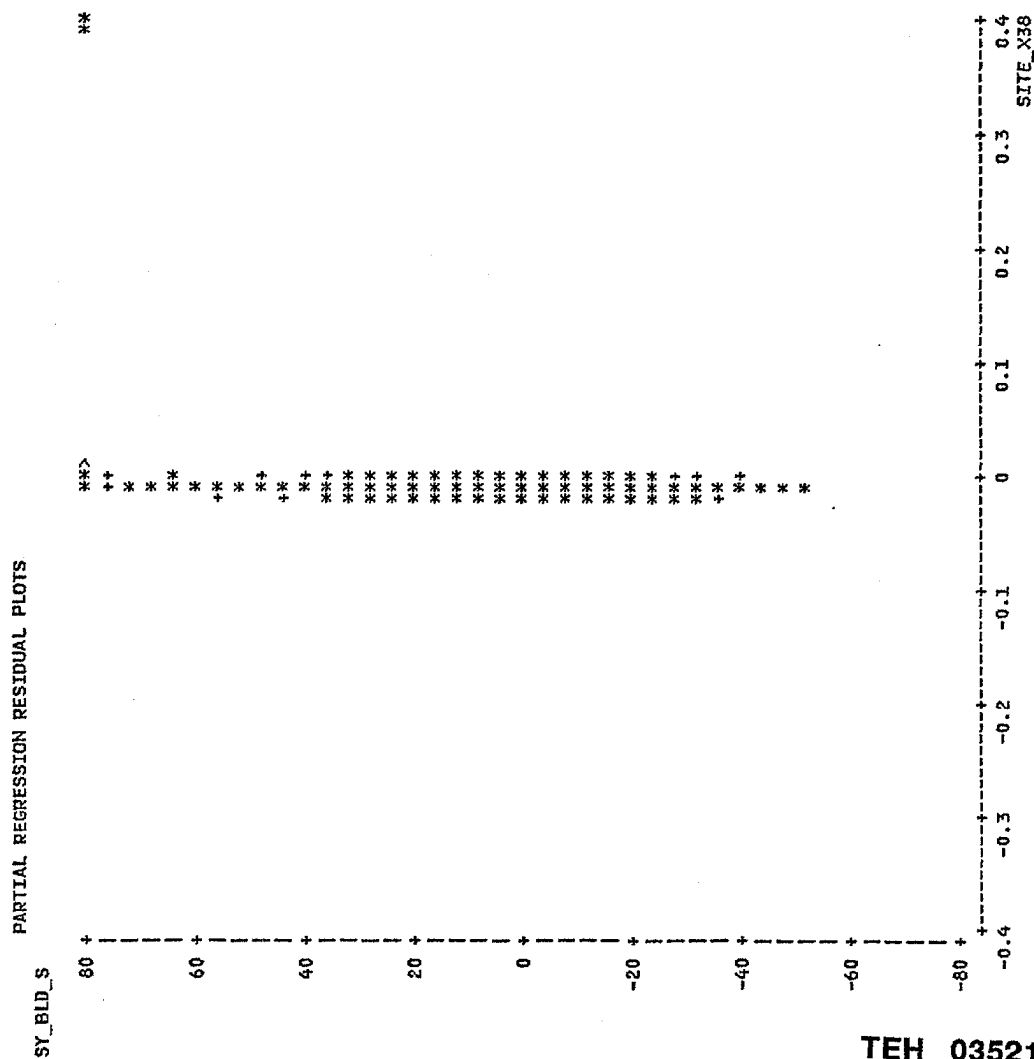


TEH 0352182

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES

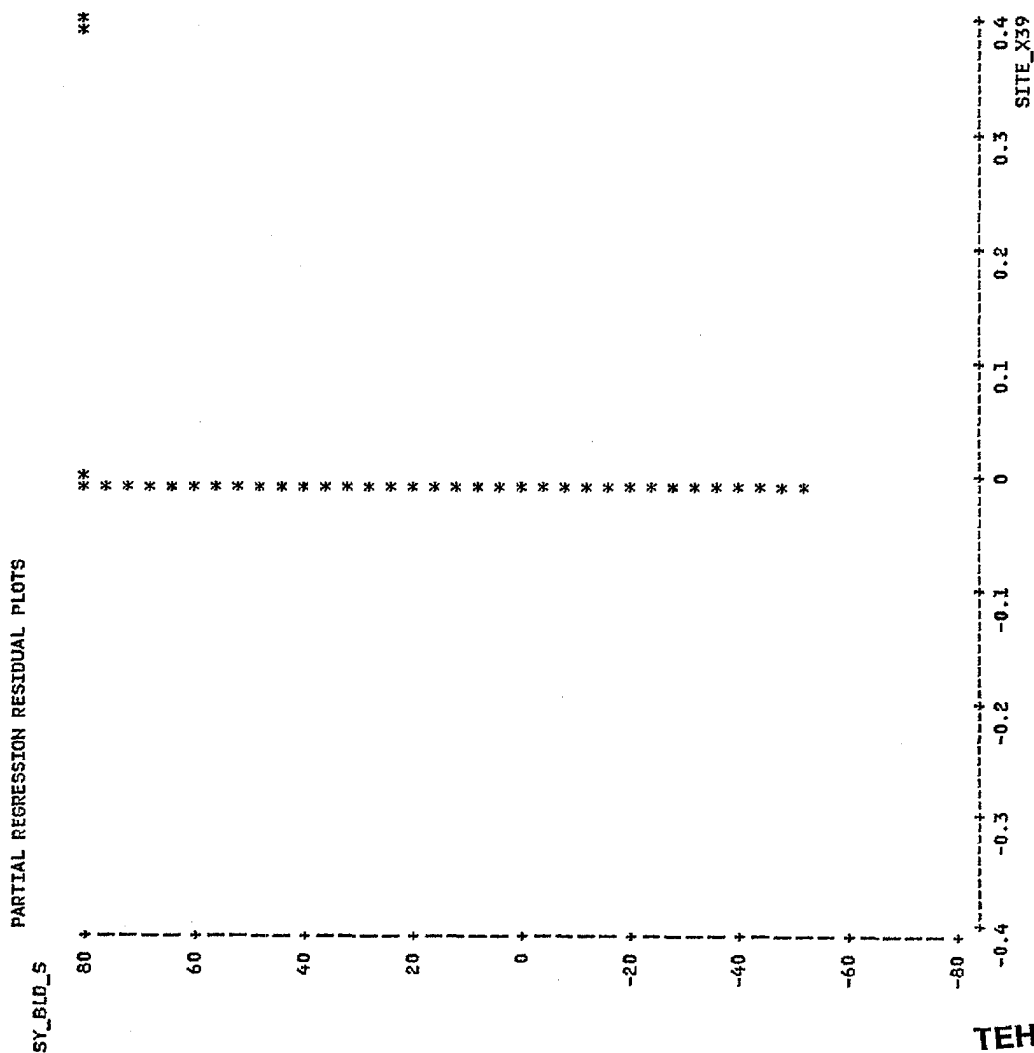


TEH 0352183



TEH 0352184

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES

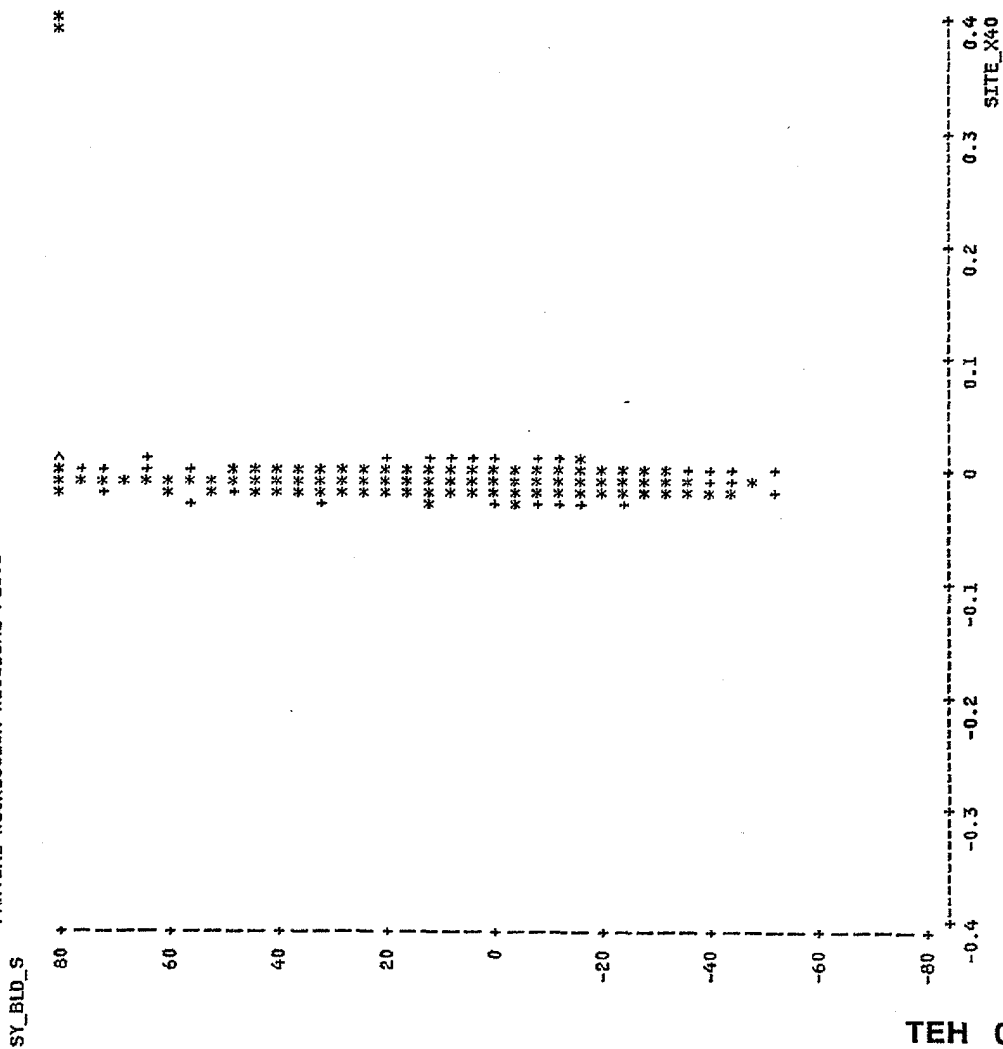


TEH 0352185

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

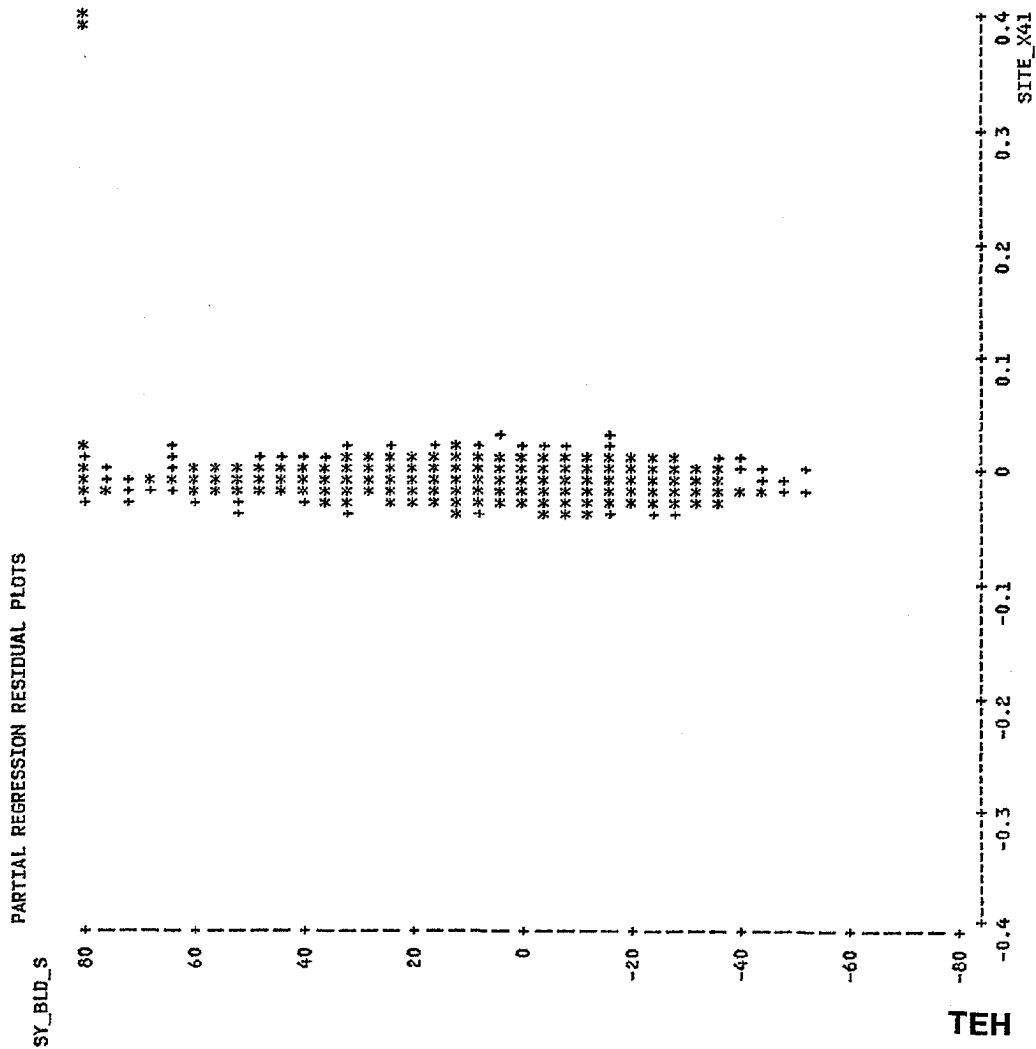
GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352186

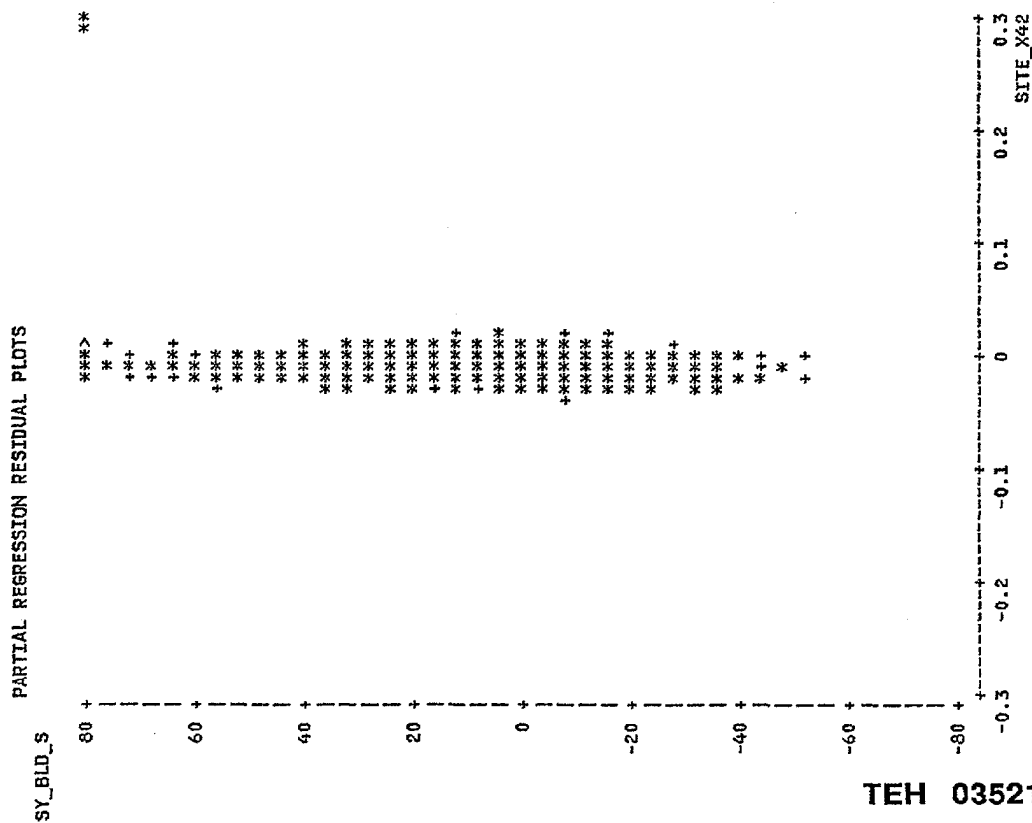
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_\$ DEPENDENT  
GROUP=MALES



**TEH 0352187**

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD<sub>max</sub> DEPENDENT

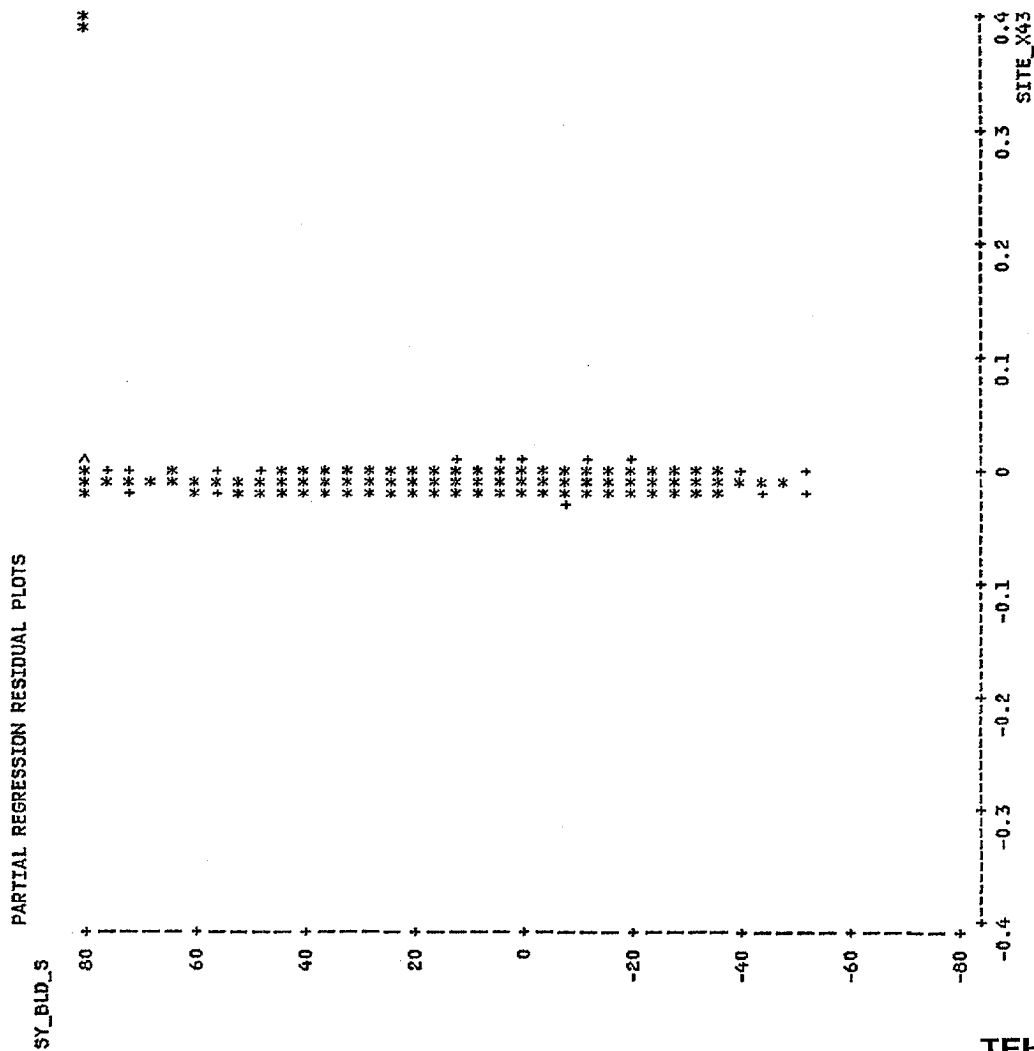
**GROUP=MALES**



**TEH 0352188**

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

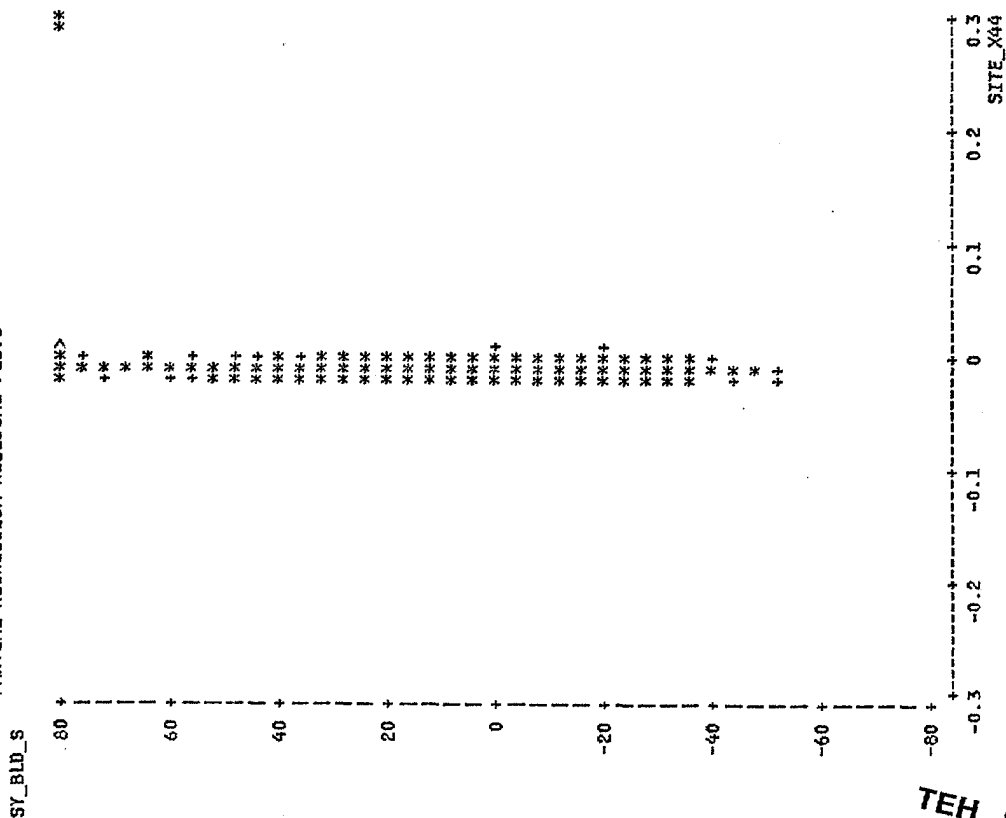


**TEH 0352189**

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS

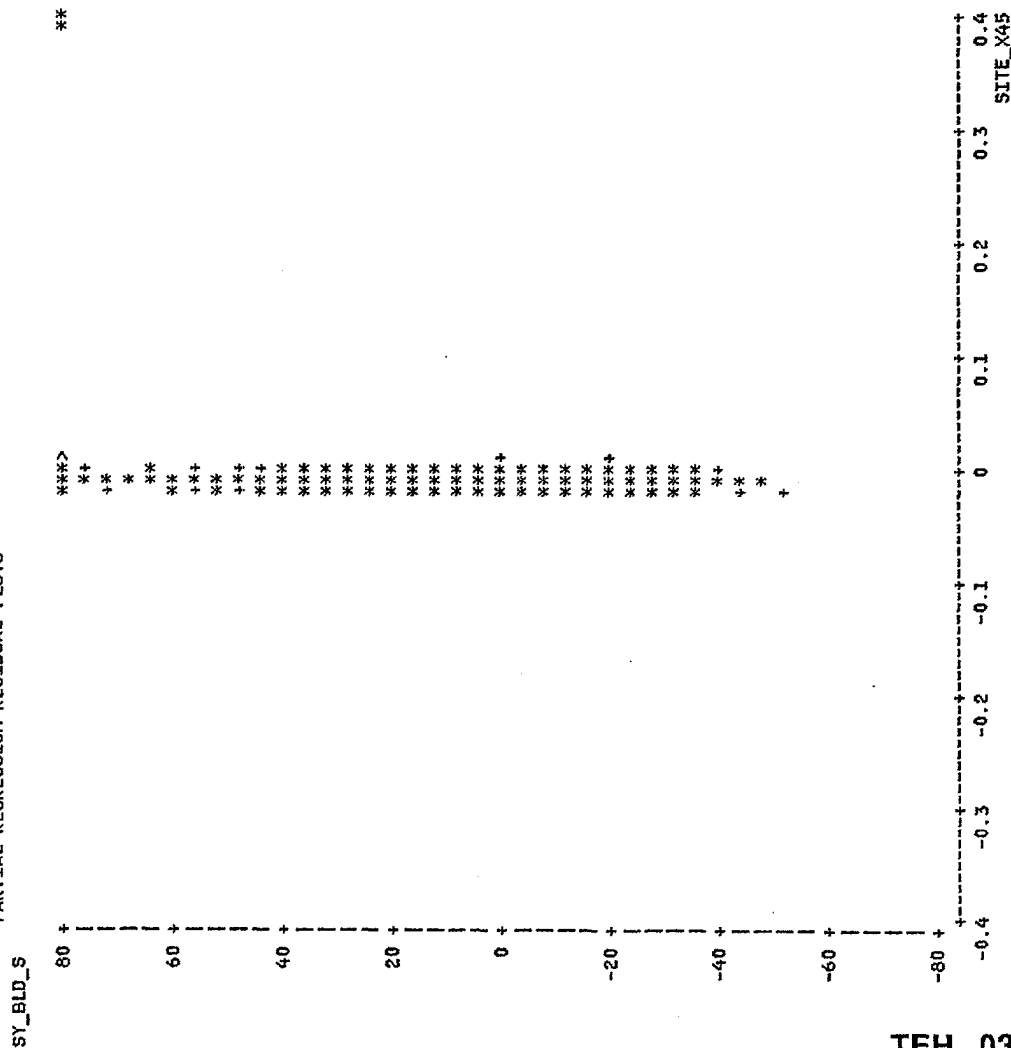


TEH 0352190

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS

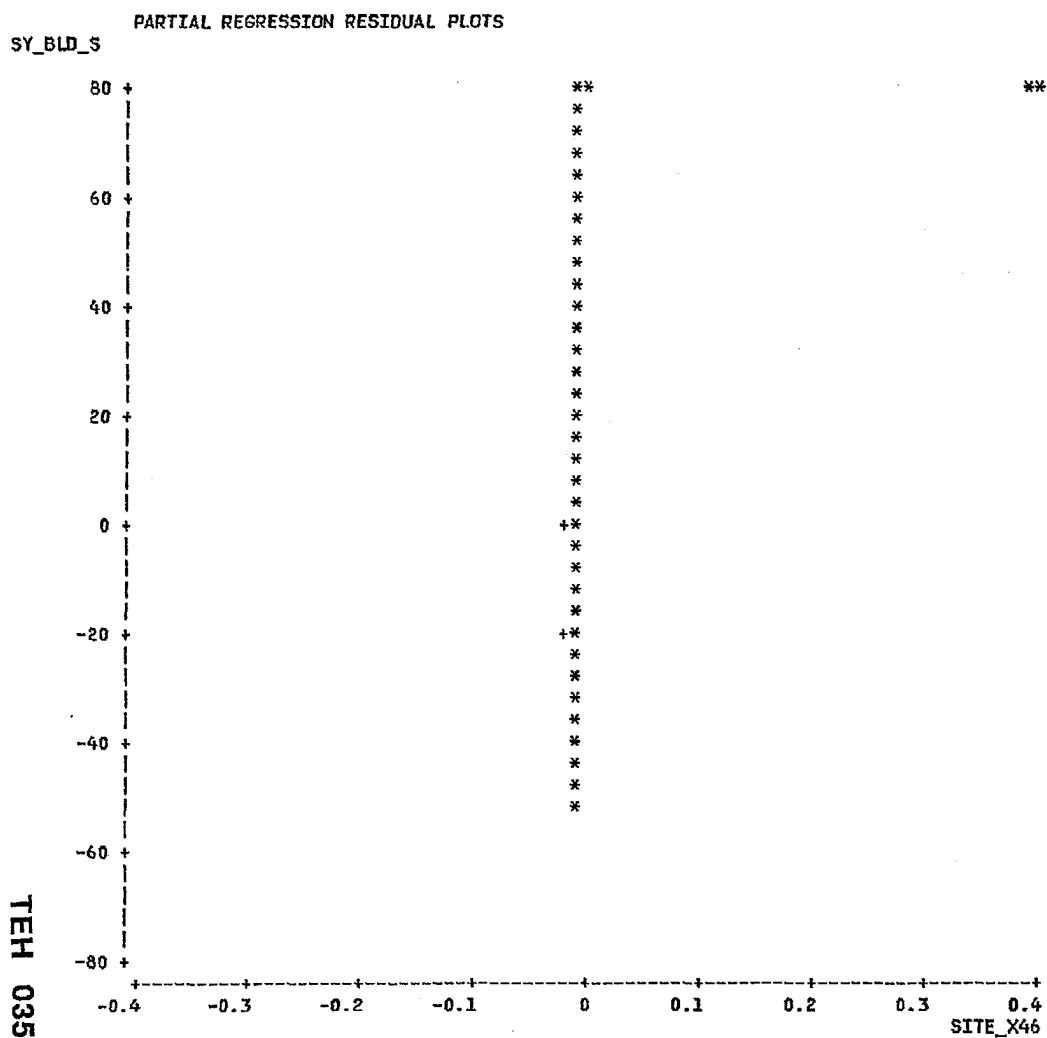


TEH 0352191

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

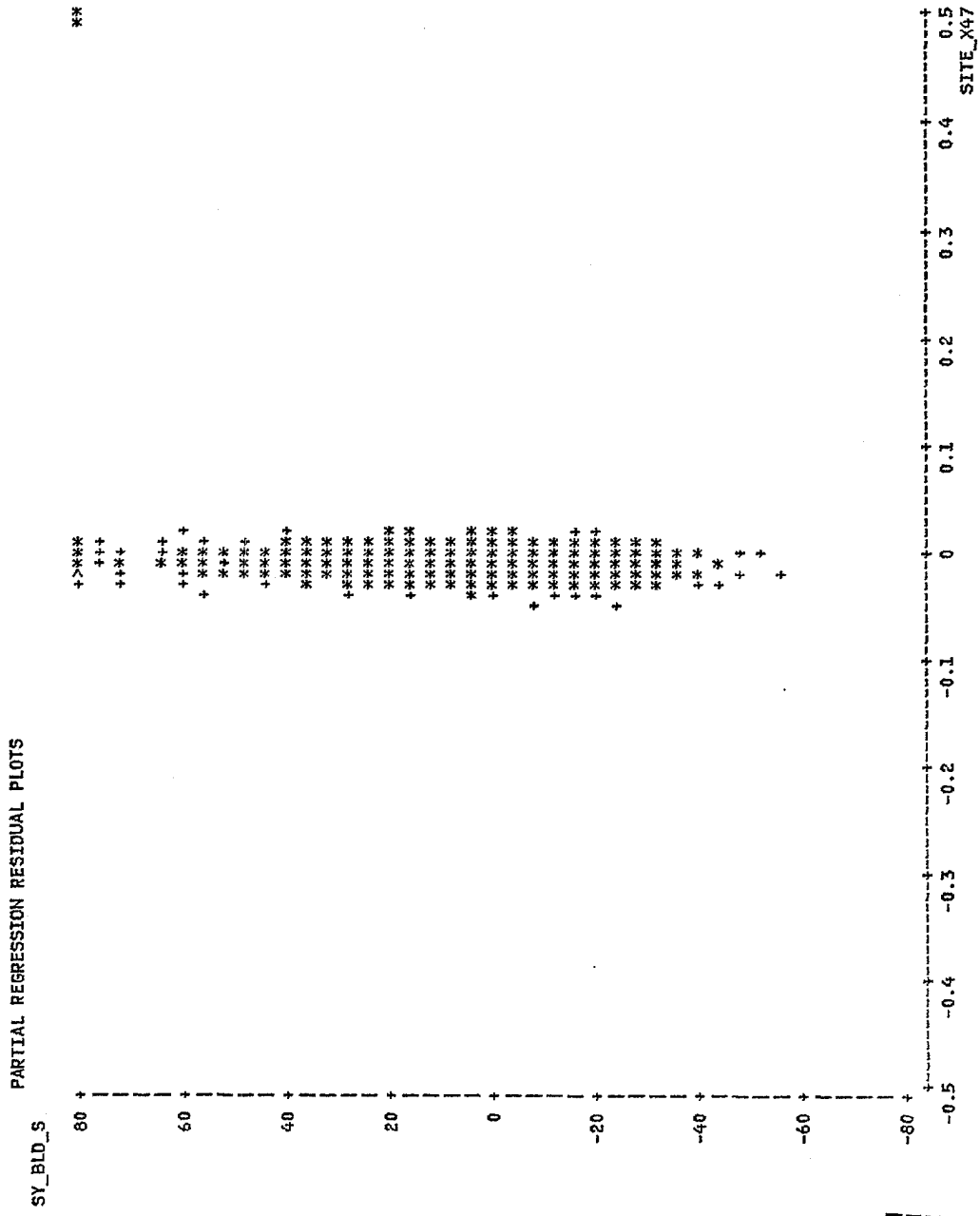
20:55 THURSDAY, APR

GROUP=MALES



DUP050300829

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES

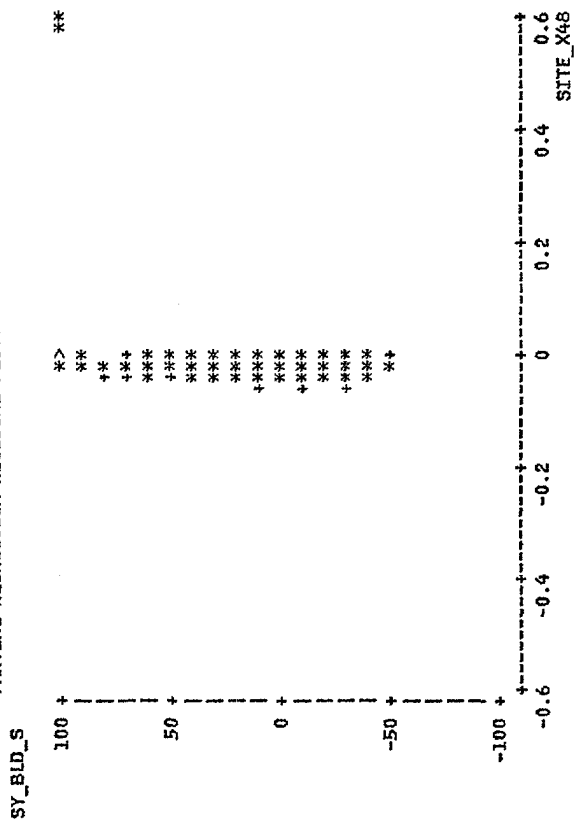


TEH 0352193

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS

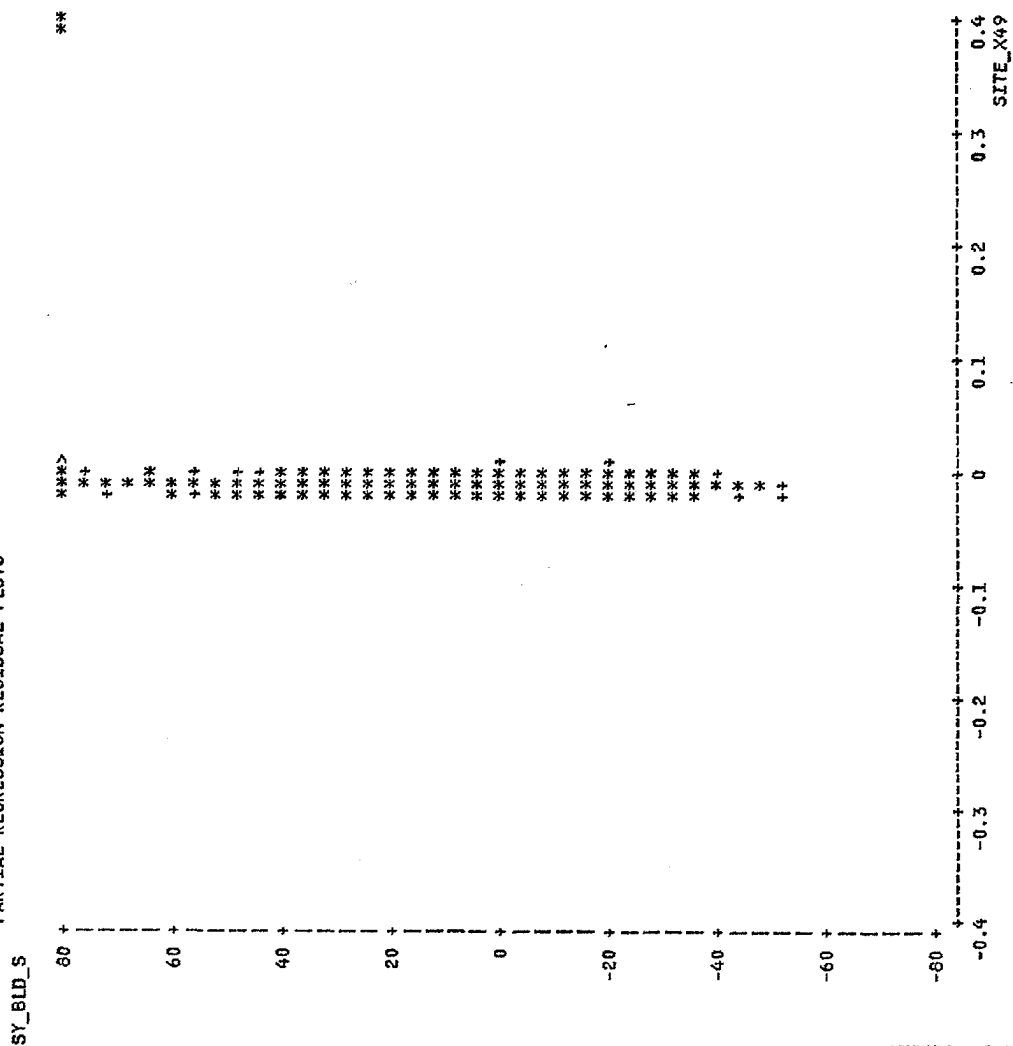


TEH 0352194

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS



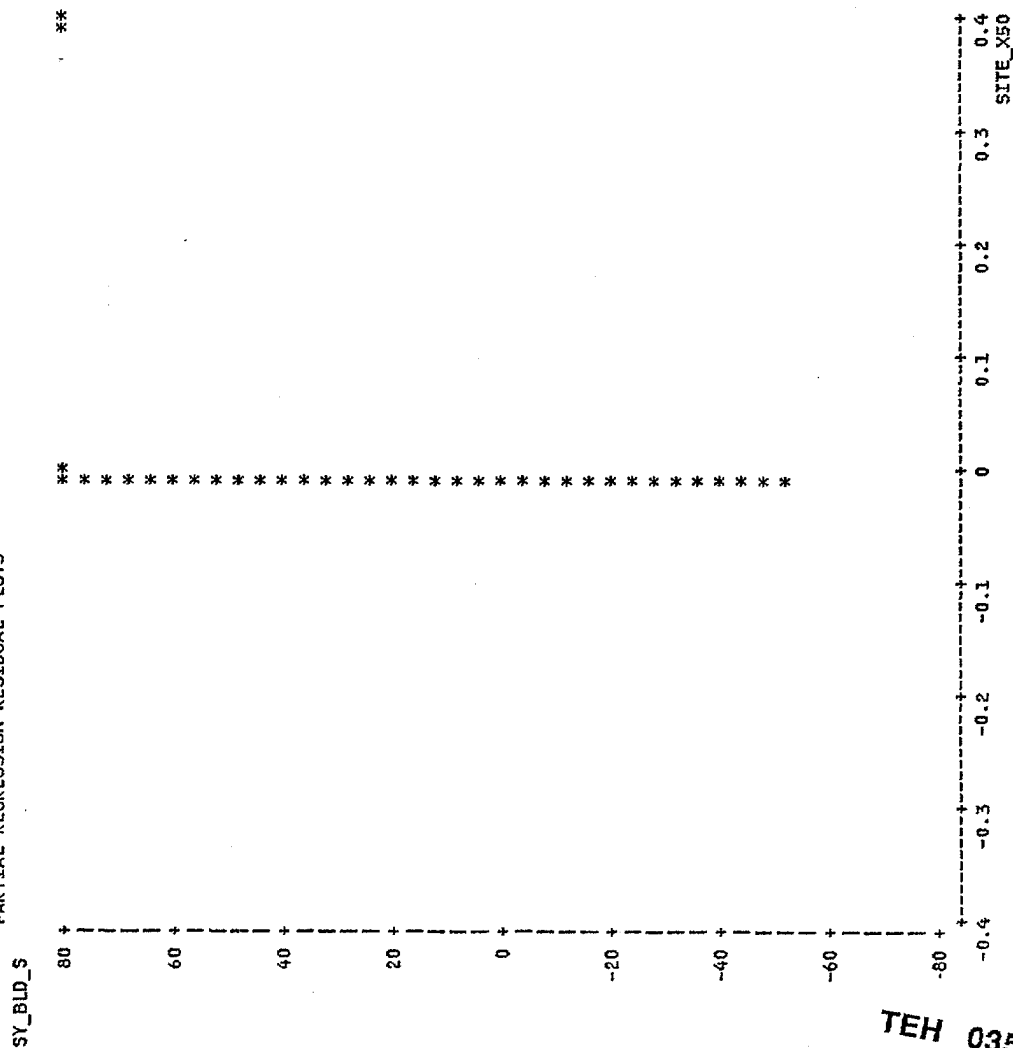
TEH 0352195

120  
20:55 THURSDAY, APRIL 25, 1985

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352196

20:55 THURSDAY, APR

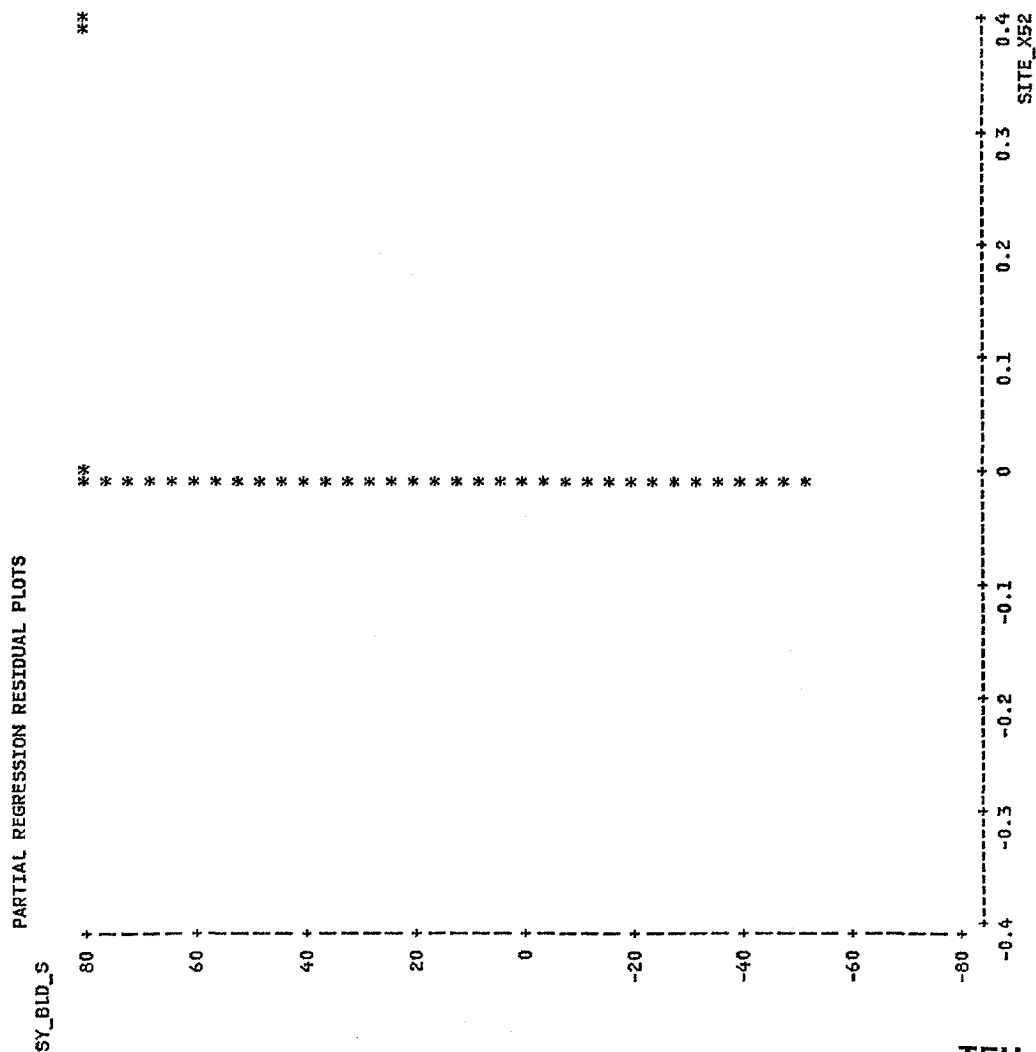
20:55 THURSDAY, APR



DUP050300834

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

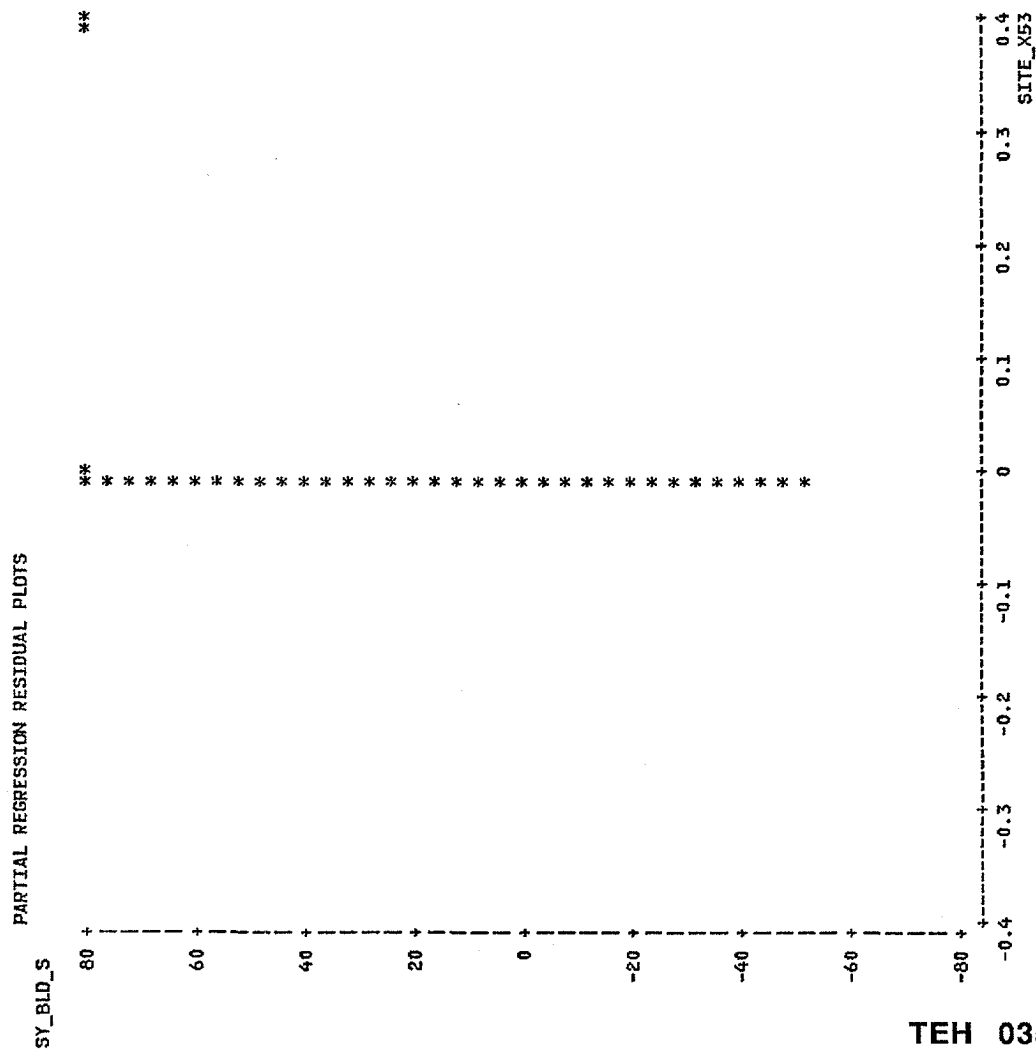


TEH 0352198

123  
20:55 THURSDAY, APRIL 25, 1985

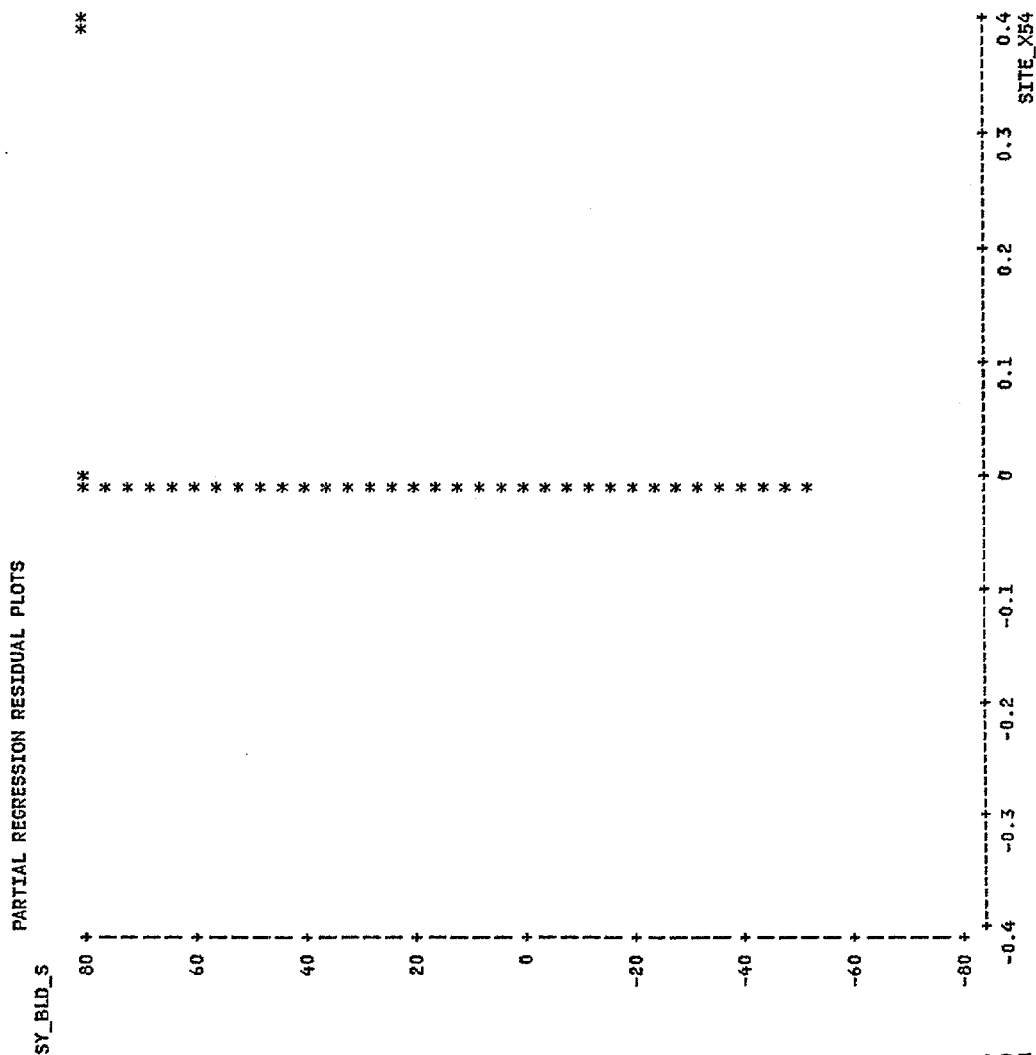
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=HALES



TEH 0352199

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES

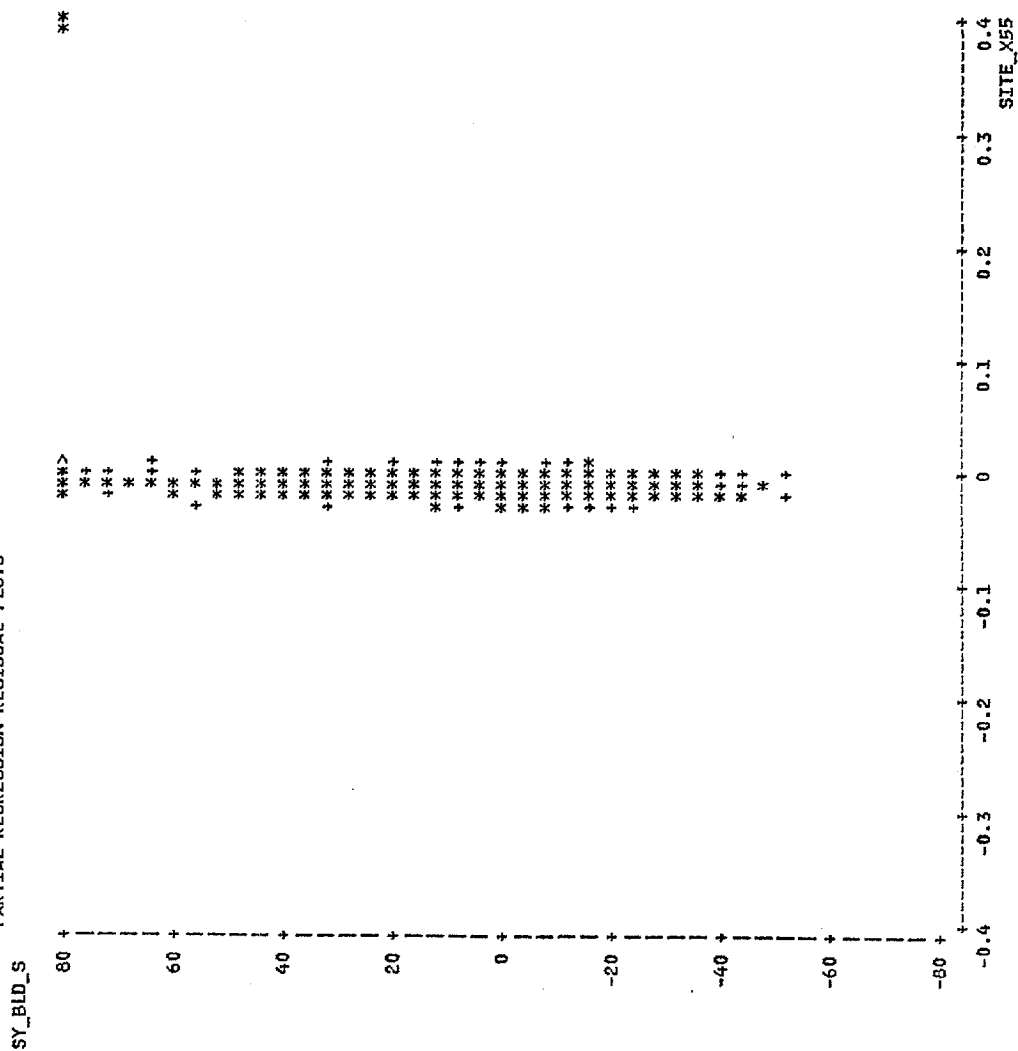


TEH 0352200

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BID\_S DEPENDENT

GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS

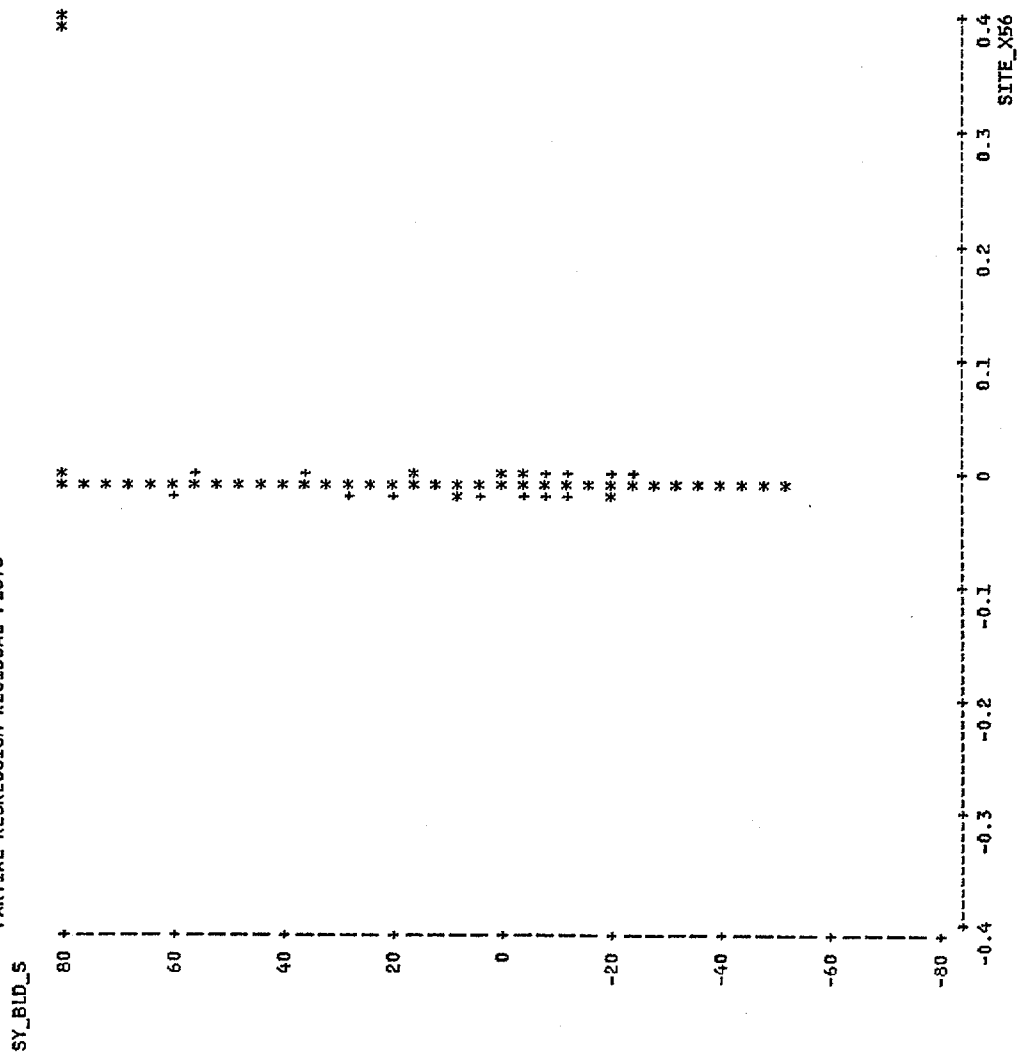


TEH 0352201

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS

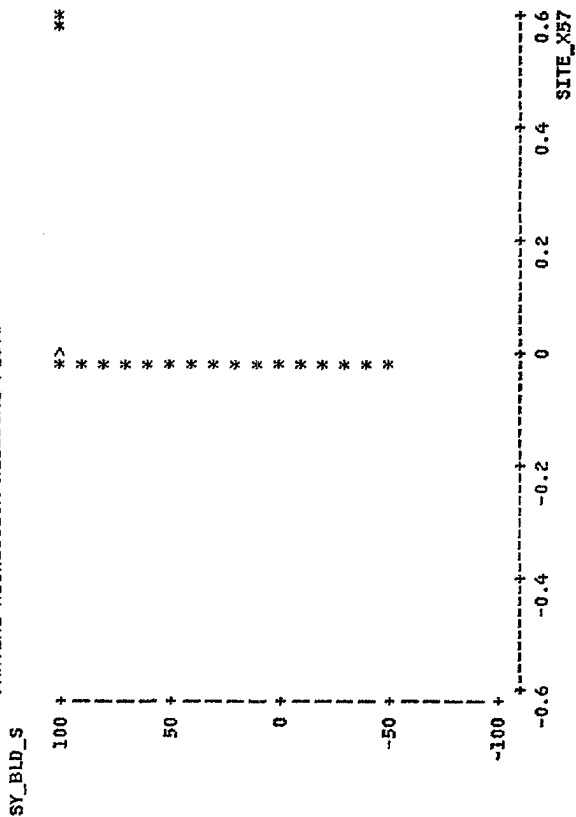


TEH 0352202

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

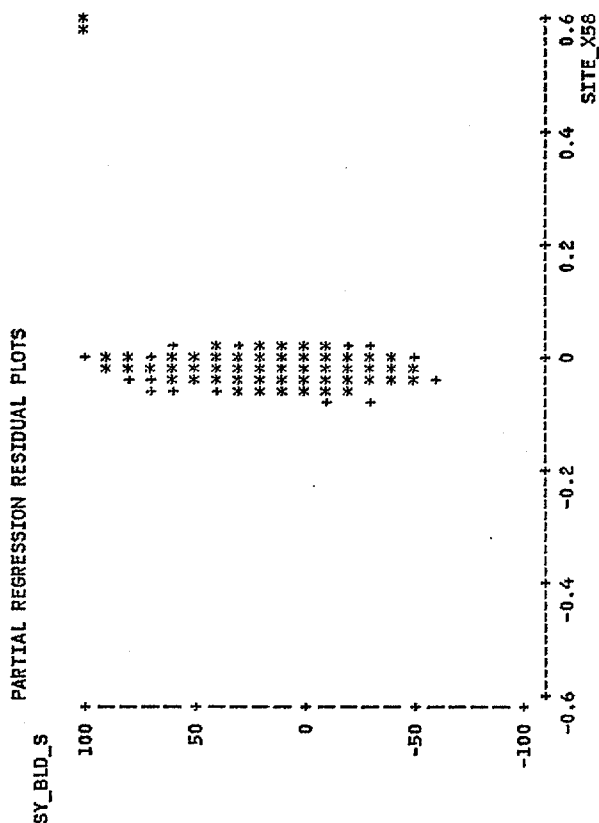
PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352203

128  
20:55 THURSDAY, APRIL 25, 1985

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES

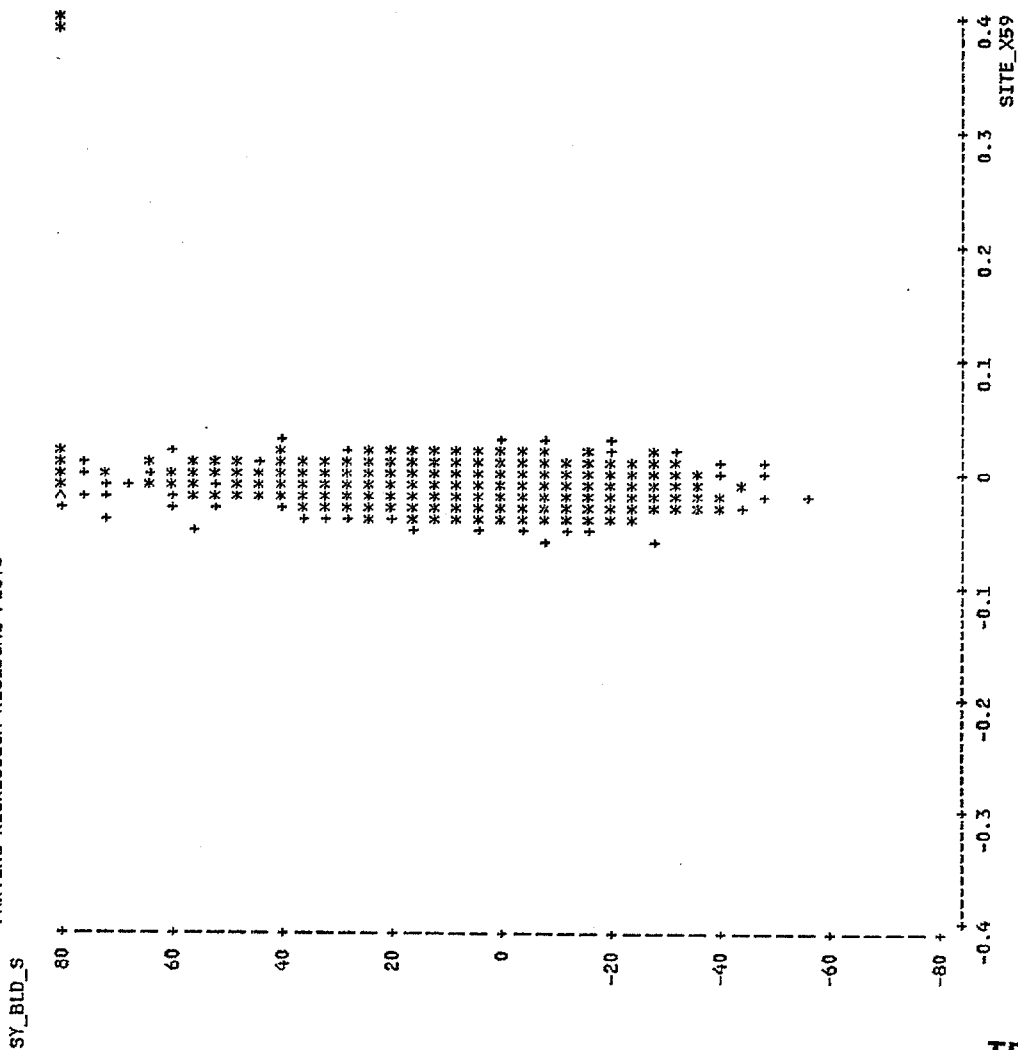


TEH 0352204

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BID\_S DEPENDENT

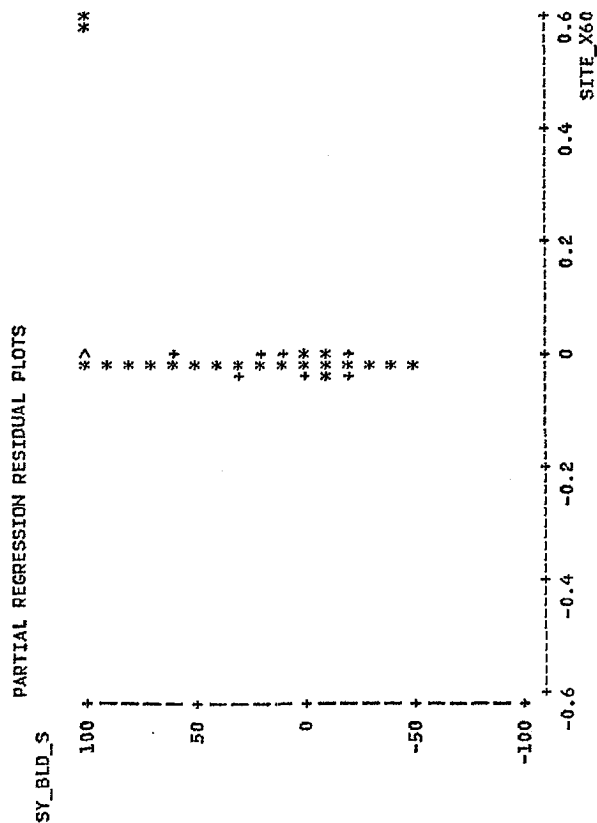
GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS



TEH 0352205

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES



TEH 0352206

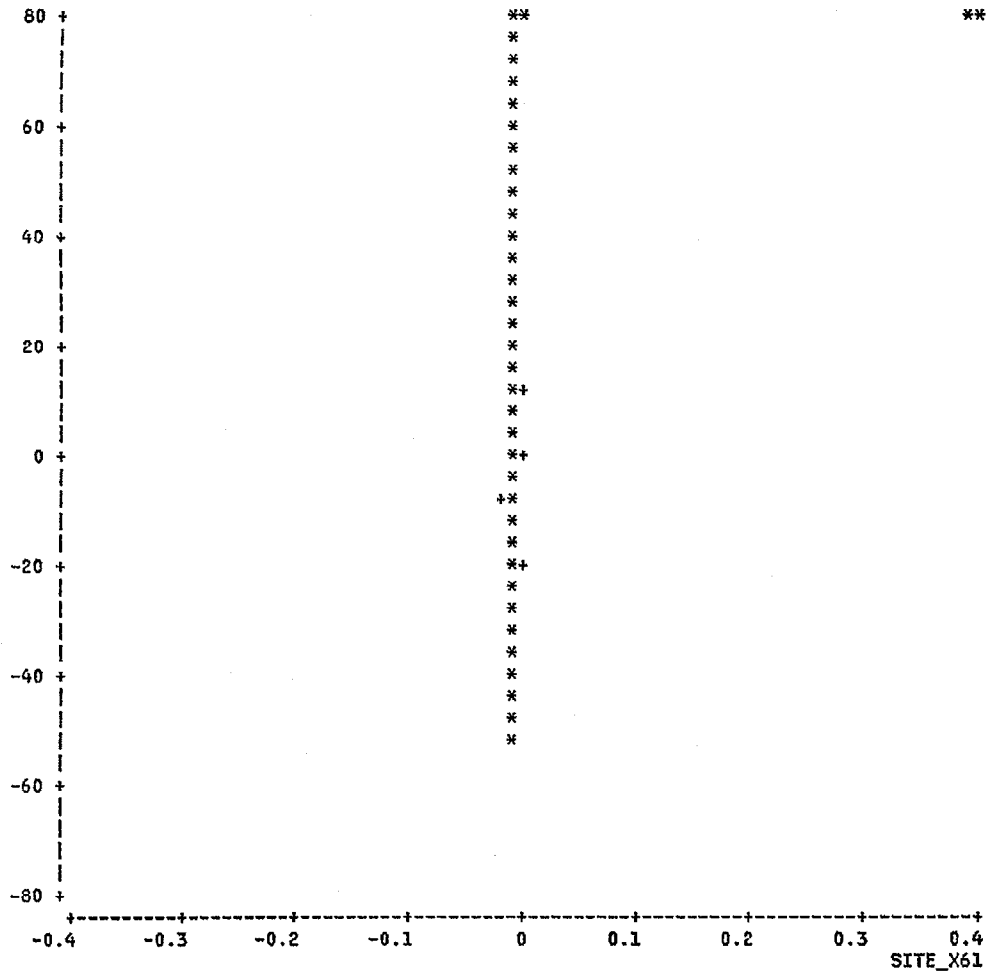
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

20:55 THURSDAY, AP

GROUP=MALES

PARTIAL REGRESSION RESIDUAL PLOTS

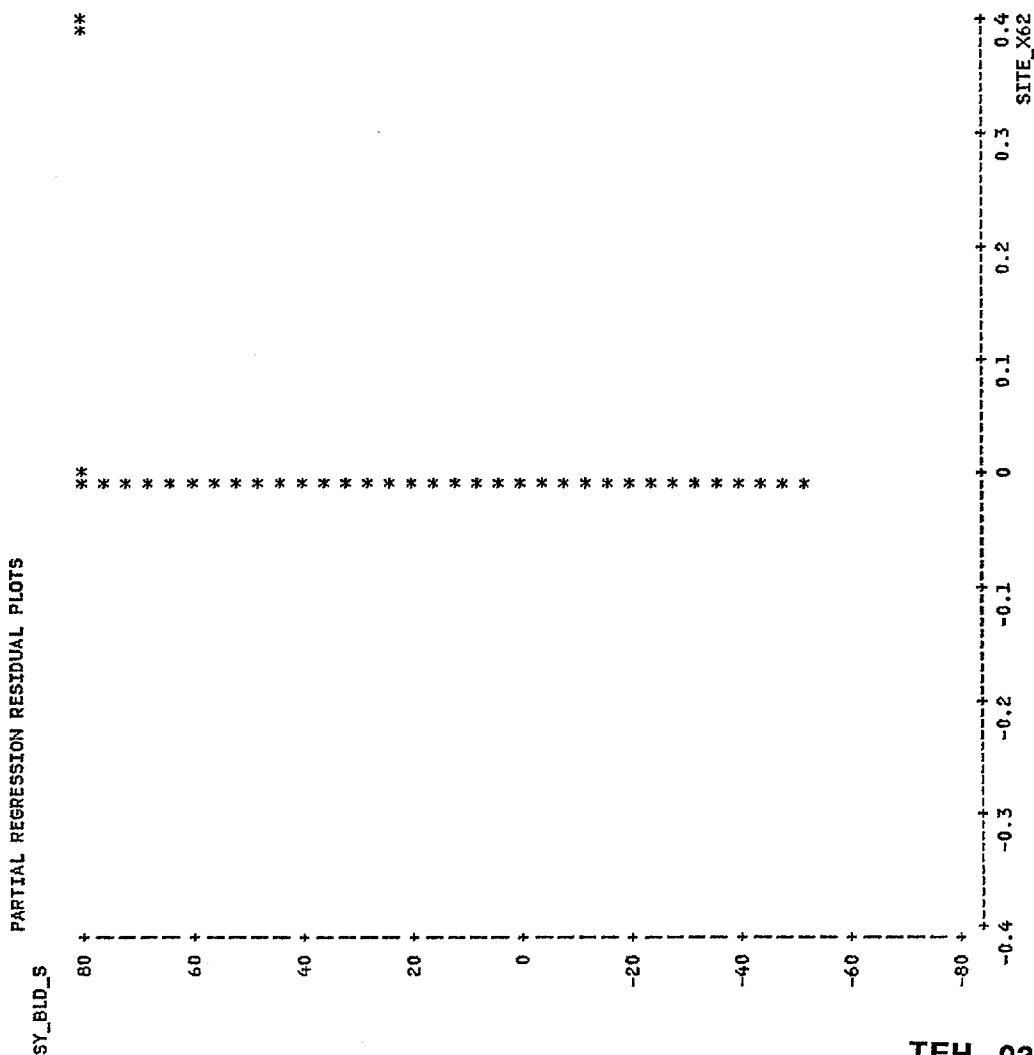
SY\_BLD\_S



TEH 0352207

DUP050300844

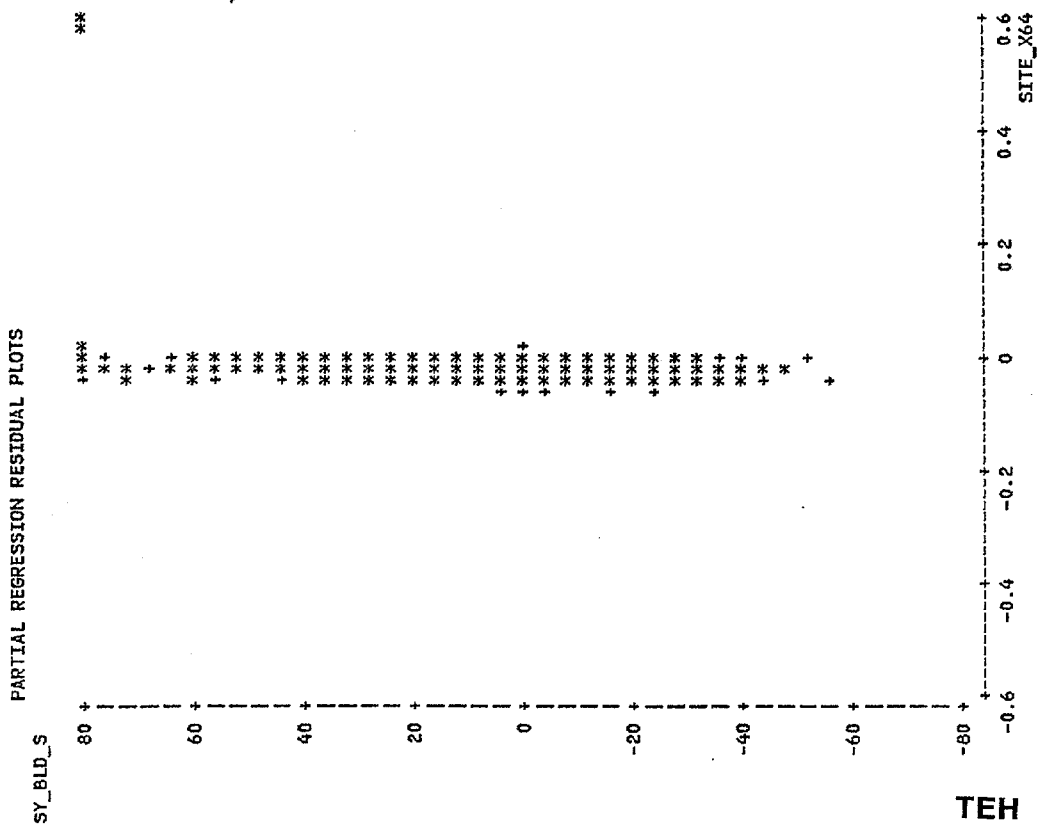
REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES



TEH 0352208

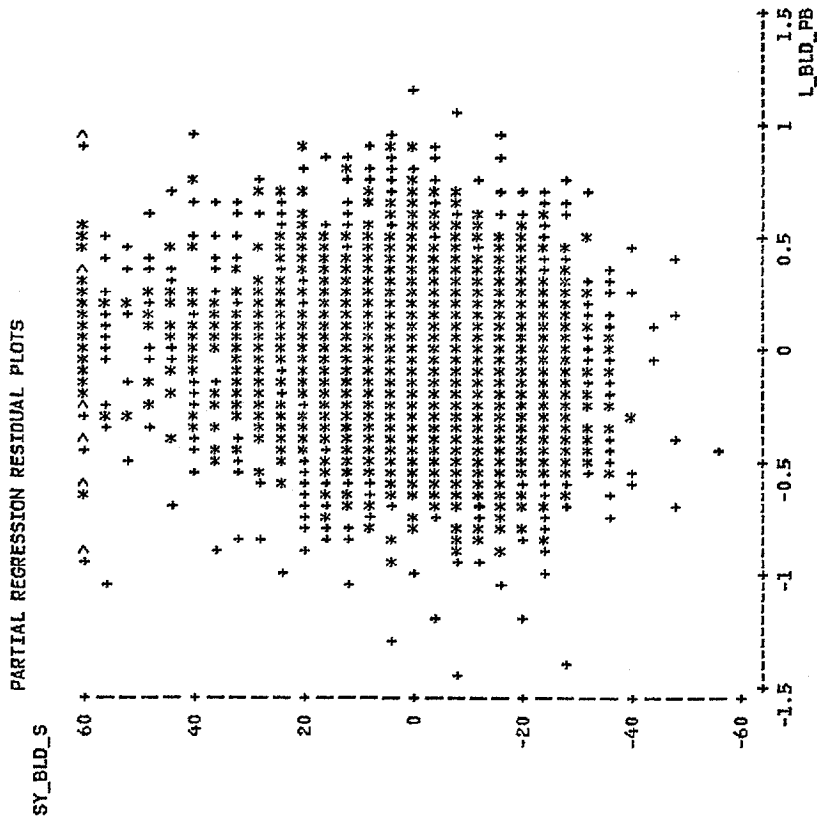


REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES



TEH 0352210

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=MALES



TEH 0352211

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=MALES

20:55 THURSDAY, AP

TEH 0352212

DUP050300849

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT

GROUP=WHITE MALES

DEP VARIABLE: SY\_BLD\_S

| SOURCE  | DF  | SUM OF SQUARES | MEAN SQUARE | F VALUE | PROB>F |
|---------|-----|----------------|-------------|---------|--------|
| MODEL   | 65  | 11515387       | 177160      | 497.563 | 0.0001 |
| ERROR   | 612 | 217906         | 356.055     |         |        |
| U TOTAL | 677 | 11733293       |             |         |        |

|          |           |          |        |
|----------|-----------|----------|--------|
| ROOT MSE | 18.869421 | R-SQUARE | 0.9814 |
| DEP MEAN | 130.208   | ADJ R-SQ | 0.9795 |
| C.V.     | 14.49172  |          |        |

NOTE: NO INTERCEPT TERM IS USED. R-SQUARE IS REDEFINED.

| VARIABLE | DF | PARAMETER ESTIMATE | STANDARD ERROR | T FOR H0: PARAMETER=0 | PROB >  T | TOLERANCE | VARIANCE INFLATION |
|----------|----|--------------------|----------------|-----------------------|-----------|-----------|--------------------|
| SITE_X1  | 1  | 116.307            | 6.300864       | 18.459                | 0.0001    | 1.009919  | 0.990178           |
| SITE_X2  | 1  | 133.037            | 4.875956       | 27.284                | 0.0001    | 1.021026  | 0.979407           |
| SITE_X3  | 1  | 122.907            | 6.684633       | 18.386                | 0.0001    | 1.007940  | 0.992123           |
| SITE_X4  | 1  | 124.415            | 13.345344      | 9.323                 | 0.0001    | 1.002565  | 0.997442           |
| SITE_X5  | 1  | 136.004            | 5.972429       | 22.772                | 0.0001    | 1.013160  | 0.987011           |
| SITE_X6  | 1  | 143.562            | 5.247183       | 27.360                | 0.0001    | 1.014243  | 0.985957           |
| SITE_X7  | 1  | 121.473            | 5.967594       | 20.355                | 0.0001    | 1.014802  | 0.985414           |
| SITE_X8  | 1  | 130.969            | 5.698863       | 22.981                | 0.0001    | 1.013117  | 0.987053           |
| SITE_X9  | 1  | 133.234            | 6.308943       | 21.118                | 0.0001    | 1.007334  | 0.992719           |
| SITE_X10 | 1  | 125.993            | 7.132615       | 17.664                | 0.0001    | 1.010265  | 0.989839           |
| SITE_X11 | 1  | 125.189            | 5.462787       | 22.917                | 0.0001    | 1.012119  | 0.987929           |
| SITE_X12 | 1  | 119.361            | 6.336278       | 18.838                | 0.0001    | 0.998662  | 1.001340           |
| SITE_X13 | 1  | 143.460            | 5.239274       | 27.382                | 0.0001    | 1.017307  | 0.982987           |
| SITE_X14 | 1  | 133.060            | 5.971015       | 22.284                | 0.0001    | 1.013640  | 0.986544           |
| SITE_X15 | 1  | 135.430            | 4.872121       | 27.797                | 0.0001    | 1.022634  | 0.977867           |
| SITE_X16 | 1  | 124.323            | 5.993497       | 20.743                | 0.0001    | 1.006050  | 0.993987           |
| SITE_X17 | 1  | 133.573            | 5.449695       | 24.510                | 0.0001    | 1.017088  | 0.983199           |
| SITE_X18 | 1  | 130.721            | 7.146371       | 18.292                | 0.0001    | 1.006380  | 0.993661           |
| SITE_X19 | 1  | 130.696            | 5.082222       | 25.716                | 0.0001    | 1.005442  | 0.994588           |
| SITE_X20 | 1  | 131.022            | 9.482199       | 13.818                | 0.0001    | 0.995893  | 1.004124           |
| SITE_X21 | 1  | 135.763            | 5.490171       | 24.728                | 0.0001    | 1.002146  | 0.997858           |
| SITE_X22 | 1  | 129.427            | 5.967060       | 21.690                | 0.0001    | 1.014984  | 0.985237           |
| SITE_X23 | 1  | 130.167            | 4.730115       | 27.519                | 0.0001    | 1.018688  | 0.981655           |
| SITE_X24 | 1  | 136.809            | 5.979062       | 22.881                | 0.0001    | 1.010913  | 0.989205           |
| SITE_X25 | 1  | 124.128            | 5.993179       | 20.712                | 0.0001    | 1.006156  | 0.993881           |
| SITE_X26 | 1  | 128.743            | 5.449362       | 23.625                | 0.0001    | 1.017212  | 0.983079           |
| SITE_X27 | 1  | 114.373            | 5.135922       | 22.269                | 0.0001    | 0.984526  | 1.015717           |
| SITE_X28 | 1  | 138.411            | 4.717697       | 29.339                | 0.0001    | 1.024058  | 0.976508           |
| SITE_X29 | 1  | 127.266            | 5.453202       | 23.338                | 0.0001    | 1.015780  | 0.984465           |
| SITE_X30 | 1  | 120.978            | 4.880408       | 24.789                | 0.0001    | 1.019165  | 0.981196           |
| SITE_X31 | 1  | 140.141            | 7.146565       | 19.609                | 0.0001    | 1.006325  | 0.993715           |
| SITE_X32 | 1  | 121.571            | 5.689836       | 21.366                | 0.0001    | 1.016341  | 0.983922           |
| SITE_X33 | 1  | 135.792            | 5.699071       | 23.827                | 0.0001    | 1.013050  | 0.987118           |
| SITE_X34 | 1  | 132.593            | 4.903140       | 27.042                | 0.0001    | 1.009736  | 0.990358           |
| SITE_X35 | 1  | 133.395            | 7.134909       | 18.656                | 0.0001    | 1.009616  | 0.990476           |

TEH 0352213

REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY\_BLD\_S DEPENDENT  
GROUP=WHITE MALES

| VARIABLE | DF | PARAMETER<br>ESTIMATE | STANDARD<br>ERROR | T FOR H0:<br>PARAMETER=0 | PROB >  T | TOLERANCE | VARIANCE<br>INFLATION |
|----------|----|-----------------------|-------------------|--------------------------|-----------|-----------|-----------------------|
| SITE_X36 | 1  | 141.209               | 5.059626          | 27.909                   | 0.0001    | 1.014443  | 0.985763              |
| SITE_X37 | 1  | 124.957               | 7.136258          | 17.510                   | 0.0001    | 1.009234  | 0.990850              |
| SITE_X38 | 1  | 148.236               | 6.295854          | 23.545                   | 0.0001    | 1.011527  | 0.986604              |
| SITE_X39 | 1  | 119.945               | 7.135317          | 16.810                   | 0.0001    | 1.009500  | 0.990589              |
| SITE_X40 | 1  | 128.016               | 6.291190          | 20.349                   | 0.0001    | 1.013027  | 0.987140              |
| SITE_X41 | 1  | 141.332               | 5.701368          | 24.789                   | 0.0001    | 1.012234  | 0.987914              |
| SITE_X42 | 1  | 121.227               | 6.703484          | 18.084                   | 0.0001    | 1.002279  | 0.997726              |
| SITE_X43 | 1  | 128.622               | 5.045318          | 25.493                   | 0.0001    | 1.020204  | 0.980196              |
| SITE_X44 | 1  | 131.634               | 6.301098          | 20.891                   | 0.0001    | 1.009844  | 0.990252              |
| SITE_X45 | 1  | 123.794               | 5.043255          | 24.796                   | 0.0001    | 1.011561  | 0.986571              |
| SITE_X46 | 1  | 119.925               | 5.043255          | 23.779                   | 0.0001    | 1.021039  | 0.979394              |
| SITE_X47 | 1  | 130.445               | 5.260372          | 24.796                   | 0.0001    | 1.009163  | 0.990920              |
| SITE_X48 | 1  | 137.321               | 4.224362          | 32.507                   | 0.0001    | 1.027988  | 0.972774              |
| SITE_X49 | 1  | 136.206               | 5.979163          | 22.780                   | 0.0001    | 1.010879  | 0.989236              |
| SITE_X50 | 1  | 123.137               | 5.450091          | 22.593                   | 0.0001    | 1.016940  | 0.983342              |
| SITE_X51 | 1  | 139.780               | 5.452773          | 25.635                   | 0.0001    | 1.015940  | 0.984310              |
| SITE_X52 | 1  | 132.686               | 5.044252          | 26.304                   | 0.0001    | 1.020635  | 0.979782              |
| SITE_X53 | 1  | 119.081               | 6.295414          | 18.916                   | 0.0001    | 1.011668  | 0.988466              |
| SITE_X54 | 1  | 128.414               | 7.725645          | 16.622                   | 0.0001    | 1.003142  | 0.996868              |
| SITE_X55 | 1  | 128.772               | 6.678379          | 19.282                   | 0.0001    | 1.009828  | 0.990267              |
| SITE_X56 | 1  | 119.202               | 8.438653          | 14.124                   | 0.0001    | 1.007204  | 0.992848              |
| SITE_X57 | 1  | 134.830               | 6.269920          | 21.436                   | 0.0001    | 1.012610  | 0.986742              |
| SITE_X58 | 1  | 130.537               | 4.744288          | 27.515                   | 0.0001    | 1.013436  | 0.987547              |
| SITE_X59 | 1  | 129.286               | 6.768928          | 19.248                   | 0.0001    | 0.982992  | 1.017303              |
| SITE_X60 | 1  | 129.356               | 5.689695          | 22.735                   | 0.0001    | 1.016391  | 0.983873              |
| SITE_X61 | 1  | 127.277               | 7.132691          | 17.845                   | 0.0001    | 1.010300  | 0.989805              |
| SITE_X62 | 1  | 129.753               | 6.673228          | 19.444                   | 0.0001    | 1.011368  | 0.986740              |
| SITE_X63 | 1  | 126.327               | 5.044448          | 25.043                   | 0.0001    | 1.020556  | 0.979858              |
| SITE_X64 | 1  | 119.337               | 7.136591          | 16.717                   | 0.0001    | 1.008574  | 0.991499              |

TEH 0352214



1 S A S L O G OS SAS 82.4 MVS/XA JOB CAP363R STEP SAS PROC LISTRECS 20:55 THURSDAY, APRIL 25, 1985

NOTE: THE JOB CAP363R HAS BEEN RUN UNDER RELEASE 82.4 OF SAS AT E. I. DUPONT DE NEHOURS & COMPANY (01718001).

NOTE: CPUID VERSION = 23 SERIAL = 021042 MODEL = 3081.  
CPUID VERSION = 23 SERIAL = 221042 MODEL = 3081.

NOTE: SAS OPTIONS SPECIFIED ARE:  
SORT=4

```

1 DATA MALES FEMALES ;
2 SET WESLIB.BLOODPRS ;
3 IF BLOOD_PB >= 45 THEN BLOOD_PB = . ;
4 IF BLOOD_PB = . | (SY_BLD_S = . & DI_BLD_S = . ) THEN DELETE ;
5 L_BLD_PB = LOG(BLOOD_PB) ;
6 EXAM_DAT = EXAM_DAT - 5844 ;
7 IF AGE_YX < 12 THEN DELETE ;
8 ELSE IF SEX = '1' THEN OUTPUT MALES ;
9 ELSE OUTPUT FEMALES ;

```

NOTE: DATA SET WORK.MALES HAS 3255 OBSERVATIONS AND 92 VARIABLES. 212 OBS/TRK.  
NOTE: DATA SET WORK.FEMALES HAS 3462 OBSERVATIONS AND 92 VARIABLES. 212 OBS/TRK.  
NOTE: THE DATA STATEMENT USED 1.91 SECONDS AND 93824K.

```

10 DATA WHITMALE ;
11 SET MALES ;
12 IF 40 <= AGE_YX <= 59 THEN OUTPUT ;

```

NOTE: DATA SET WORK.WHITMALE HAS 679 OBSERVATIONS AND 92 VARIABLES. 212 OBS/TRK.  
NOTE: THE DATA STATEMENT USED 0.34 SECONDS AND 93812K.

```

13 DATA MERGE ;
14 SET MALES(IN=M) FEMALES(IN=F) WHITMALE(IN=W) ;
15 LENGTH GROUP $ 12 ;
16 IF SY_BLD_S = . THEN DELETE ; /* NOTE VAR 1 */
17 IF M = 1 THEN GROUP = 'MALES' ;
18 ELSE IF F = 1 THEN GROUP = 'FEMALES' ;
19 ELSE GROUP = 'WHITE MALES' ;

```

NOTE: DATA SET WORK.MERGE HAS 7396 OBSERVATIONS AND 93 VARIABLES. 202 OBS/TRK.  
NOTE: THE DATA STATEMENT USED 0.94 SECONDS AND 93812K.

```

20 PROC SORT ;
21 BY GROUP ;

```

NOTE: 4 CYLINDERS DYNAMICALLY ALLOCATED ON MHD FOR EACH OF 3 SORT WORK DATA SETS.  
NOTE: DATA SET WORK.MERGE HAS 7396 OBSERVATIONS AND 93 VARIABLES. 202 OBS/TRK.  
NOTE: THE PROCEDURE SORT USED 1.32 SECONDS AND 40K.

```

22 PROC STANDARD DATA = MERGE OUT = MODEL_1 M = 0 ;
23 BY GROUP ;
24 VAR L_BLD_PB ;

```

NOTE: DATA SET WORK.MODEL\_1 HAS 7396 OBSERVATIONS AND 93 VARIABLES. 202 OBS/TRK.  
NOTE: THE PROCEDURE STANDARD USED 1.03 SECONDS AND 93842K.

```

25 PROC REG DATA = MODEL_1 ;
26 MODEL SY_BLD_S = SITE_X1--SITE_X64 L_BLD_PB / NOINT TOL VIF PARTIAL ;
27 BY GROUP ;
28 TITLE 'REGRESSION ON RAW DATA BY GROUPS FOR MODEL 1-SY_BLD_S DEPENDENT';

```

2

S A S L O G

OS SAS 82.4

MVS/XA JOB CAP363R STEP SAS

PROC LISTRECS

20:55 THURSDAY, AP

TEH 0352217

DUP050300854



ICE000I - --- CONTROL STATEMENTS/MESSAGES ----- 5740-SM1 REL 5.0 PTF 00 ----- 20.55.39 APR 25, 1985 -----

SORT FIELDS=(00221,012,CH,A,1,4,CH,A),FILSZ=00007396

RECORD LENGTH=00232,TYPE=F

ICE069I - CAP363R .SAS , INPUT LRECL = 232, TYPE = F

ICE093I - MAIN STORAGE = (MAX,524288,524288), NMAX = 22000, BLOCKSET

ICE085I - 33 PERCENT OF PRIMARY WORK DATA SET EXTENTS REQUIRED

ICE055I - INSERT 7396, DELETE 7396.

ICE054I - RECORDS - IN: 0, OUT: 0, - END OF SORT

TEH 0352219

DUP050300856

JES JOB NO. = 3567

DATE = 85.115

//CAP363R JOB CCL5302,MSGCLASS=L,==>C.G.PFEIFER, L5185

\* CLI

PROCESSOR FOR THIS JOB = SYB

LINES OUTPUT FOR THIS JOB = 006297 PRINTER: B31

CARDS FOR THIS JOB = NONE

TEH 0352220

DUP050300857