

CMS REPORT NO. 055  
PROGRAM CMS8CM65

EMPLOYEE ENVIRONMENTAL EXPOSURE PROFILE

REPORT DATE 02/20/90  
PAGE 183

PLANT: 1400 HENRY CHEM PLT 309-364-2311  
EMPLOYEE:

DEPARTMENT: 5536 PVC SUSPENSION

YEAR: 1989

| JOB CODE                                                    | JOB NAME                             | EXP     |       |       | STD  |       |         |          |       |        |       |       |                         |  |
|-------------------------------------------------------------|--------------------------------------|---------|-------|-------|------|-------|---------|----------|-------|--------|-------|-------|-------------------------|--|
| EXPOSURE CODE                                               | NAME                                 | LVL     | RANGE | AVG   | DEV  | UNITS | SAMPLES | DATE     | SHIFT | LENGTH | TWA   | VALID | PROTECTION              |  |
| 1400JT3606 JOB AS TASK OF PVC PROD.OPER.- RECOVERY OPERATOR |                                      |         |       |       |      |       |         |          |       |        |       |       |                         |  |
| B0001                                                       | NOISE, 80/90-5                       |         |       |       |      |       |         |          |       |        |       |       |                         |  |
| 89                                                          | AVG EXPOSURE:                        | 030-048 |       | 39.80 | 9.1  | PCNT  | 3       |          |       |        |       |       |                         |  |
|                                                             | INDIVIDUAL MONITORING:               |         |       |       |      | PCNT  |         | 09/20/89 | 1     | 600    | 48.84 | 0     | HEARING PLUGS           |  |
| 00148                                                       | VINYL CHLORIDE 1910.1017             |         |       |       |      |       |         |          |       |        |       |       |                         |  |
| 89                                                          | AVG EXPOSURE:                        | 000-012 |       | 1.53  | 2.5  | PPM   | 41      |          |       |        |       |       |                         |  |
|                                                             | INDIVIDUAL MONITORING:               |         |       |       |      | PPM   |         | 01/09/89 | C     | 600    | 0.33  | 0     | 1/2 MASK - AIR SUPPLIED |  |
|                                                             | INDIVIDUAL MONITORING:               |         |       |       |      | PPM   |         | 04/21/89 | C     | 600    | 0.25  | 4     | 1/2 MASK - AIR SUPPLIED |  |
|                                                             | INDIVIDUAL MONITORING:               |         |       |       |      | PPM   |         | 07/26/89 | C     | 600    | 0.25  | 4     | 1/2 MASK - AIR SUPPLIED |  |
| 1400553603 PVC PRODUCTION OPERATOR                          |                                      |         |       |       |      |       |         |          |       |        |       |       |                         |  |
| B0001                                                       | NOISE, 80/90-5                       |         |       |       |      |       |         |          |       |        |       |       |                         |  |
| 89                                                          | AVG EXPOSURE:                        | 030-123 |       | 62.40 | 35.6 | PCNT  | 6       |          |       |        |       |       |                         |  |
| 00064                                                       | POLYVINYL CHLORIDE DUST TOTAL        |         |       |       |      |       |         |          |       |        |       |       |                         |  |
| 89                                                          | AVG EXPOSURE:                        | 000-000 |       | 0.82  | 0.0  | MG/M3 | 1       |          |       |        |       |       |                         |  |
| 00148                                                       | VINYL CHLORIDE 1910.1017             |         |       |       |      |       |         |          |       |        |       |       |                         |  |
| 89                                                          | AVG EXPOSURE:                        | 000-030 |       | 1.75  | 3.8  | PPM   | 122     |          |       |        |       |       |                         |  |
| 99917                                                       | TRAINING - OSHA HAZARD COMMUNICATION |         |       |       |      |       |         |          |       |        |       |       |                         |  |
|                                                             | INDIVIDUAL MONITORING:               |         |       |       |      |       |         | 09/14/89 | C     | 60     | 0.00  | 0     | NONE WORN               |  |
| 99919                                                       | TRAINING - HEARING CONSERVATION      |         |       |       |      |       |         |          |       |        |       |       |                         |  |
|                                                             | INDIVIDUAL MONITORING:               |         |       |       |      |       |         | 11/09/89 | C     | 35     | 0.00  | 0     | NONE WORN               |  |
| 99930                                                       | TRAINING - RESPIRATOR USE            |         |       |       |      |       |         |          |       |        |       |       |                         |  |
|                                                             | INDIVIDUAL MONITORING:               |         |       |       |      |       |         | 06/15/89 |       | 40     | 0.00  | 0     | NONE WORN               |  |

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CMS REPORT NO. 055  
PROGRAM CMS8CM65

EMPLOYEE ENVIRONMENTAL EXPOSURE PROFILE

REPORT DATE 05/11/89  
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PLANT: 1400 HENRY CHEM PLT 309-364-2311  
EMPLOYEE:

DEPARTMENT: 5536 PVC SUSPENSION

YEAR: 1988

| JOB CODE      | JOB NAME EXP | STD |       |     |     |       |         |      |       |        |     |       |            |  |
|---------------|--------------|-----|-------|-----|-----|-------|---------|------|-------|--------|-----|-------|------------|--|
| EXPOSURE CODE | NAME         | LVL | RANGE | AVG | DEV | UNITS | SAMPLES | DATE | SHIFT | LENGTH | TWA | VALID | PROTECTION |  |

1400JT3606 JOB AS TASK OF PVC PROD.OPER.- RECOVERY OPERATOR

80001 NOISE, 80/90-5

88 AVG EXPOSURE: 006-069 44.79 20.4 PCNT 7

INDIVIDUAL MONITORING: PCNT 02/08/88 C 600 69.84 0 HEARING MUFFS

00148 VINYL CHLORIDE 1910.1017

88 AVG EXPOSURE: 000-011 1.23 2.1 PPM 49

INDIVIDUAL MONITORING: PPM 01/12/88 C 600 0.25 4 1/2 MASK - AIR SUPPLIED

INDIVIDUAL MONITORING: PPM 05/03/88 C 600 0.33 0 1/2 MASK - AIR SUPPLIED

INDIVIDUAL MONITORING: PPM 11/17/88 C 600 7.00 0 1/2 MASK - AIR SUPPLIED

INDIVIDUAL MONITORING: PPM 12/02/88 C 600 0.68 0 1/2 MASK - AIR SUPPLIED

INDIVIDUAL MONITORING: PPM 12/15/88 C 600 0.25 4 1/2 MASK - AIR SUPPLIED

1400553603 PVC PRODUCTION OPERATOR

80001 NOISE, 80/90-5

88 AVG EXPOSURE: 001-148 61.99 36.9 PCNT 23

00064 POLYVINYL CHLORIDE DUST TOTAL

88 AVG EXPOSURE: 000-001 1.31 0.8 MG/M3 3

00148 VINYL CHLORIDE 1910.1017

88 AVG EXPOSURE: 000-038 1.27 3.7 PPM 126

NGC 08727

8968468 - B.F.G. PERSONNEL MONITOR - PERSONAL DATA  
01/01/87 TO 12/31/87 DATE 02/25/88 TIME 083727 PAGE 1

7 CHEMICAL M1 MALE

| PLANT NAME.... | AREA | TASK | JOB | SHIFT | DATE.. | E/T | ...PPM | PUMP | POS   | BRK TH | RESP | HEAR |
|----------------|------|------|-----|-------|--------|-----|--------|------|-------|--------|------|------|
| HENRY          | 731  | 000  | 011 | C     | 092187 | 600 | .09    | < D  | LIMIT |        | 2    |      |

NGC 08728

968460 - R.F.G. PERSONNEL MONITOR - PERSONAL DATA  
 01/01/86 TO 12/31/86 DATE 03/09/87 TIME 093257 PAGE 1

| CHEMICAL M1 MALE |      |      |     |       |        |     |        |          |                  |
|------------------|------|------|-----|-------|--------|-----|--------|----------|------------------|
| LANT NAME....    | AREA | TASK | JCB | SHIFT | DATE.. | E/T | ...PPM | PUMP PCS | PRK TH RESE HEAR |
| EMRY             | 731  | 000  | C11 | C     | 021186 | 600 | .20    |          | NO C             |
| SOUND 860 MALE   |      |      |     |       |        |     |        |          |                  |
| LANT NAME....    | AREA | TASK | JCB | SHIFT | DATE.. | E/T | VALUE  | > 115DB  | HEAR             |
| EMRY             | 731  | 000  | C11 | C     | 040886 | 600 | 43.05  | YES      | 2                |

NGC 08729

R96846D - B.F.G. PERSONNEL MONITOR - PERSONAL DATA  
01/01/85 TO 12/31/85 DATE 05/01/86 TIME 092054 PAGE 1

| PLANT NAME | AREA | TASK | JOB | SHIFT | DATE   | E/T | CHEMICAL | MI  | MALE | PUMP POS | BRK TH | RESP | HEAR |
|------------|------|------|-----|-------|--------|-----|----------|-----|------|----------|--------|------|------|
| HENRY      | 731  | 000  | 011 | C     | 050785 | 600 |          | .20 | < D  | LIMIT    |        |      | 2    |

NGC 08730

960460 - P.F.G. PERSONNEL MONITOR - PERSONAL DATA  
 01/01/84 TO 12/31/84 DATE 02/01/85 TIME 152103 PAGE 1

|               |      |      |     |       |        |     |        |      |      | CHEMICAL | M1 | MALE |      |  |
|---------------|------|------|-----|-------|--------|-----|--------|------|------|----------|----|------|------|--|
| LANT NAME.... | AREA | TASK | JOB | SHIFT | DATE.. | E/T | ...PPM | PUMP | PDS  | BRK      | TH | RESP | HEAR |  |
| ENRY          | 731  | 000  | 011 | C     | 031584 | 600 | .68    | OUT  | MASK | NO       |    | 2    |      |  |
| ENRY          | 731  | 000  | 011 | C     | 070584 | 600 | .30    | OUT  | MASK | NO       |    | 0    |      |  |
| ENRY          | 731  | 000  | 011 | C     | 102284 | 600 | .20    | < D  | LMT  | NO       |    | 0    |      |  |

|               |      |      |     |       |        |     |        |   |       | SOUND | N80 | MALE |  |  |
|---------------|------|------|-----|-------|--------|-----|--------|---|-------|-------|-----|------|--|--|
| LANT NAME.... | AREA | TASK | JOB | SHIFT | DATE.. | E/T | VALUE  | > | 115DP | HEAR  |     |      |  |  |
| ENRY          | 731  | 000  | 011 | C     | 011684 | 600 | 153.00 |   |       | 2     |     |      |  |  |

NGC 08731

RA6846P - P.F.G. PERSONNEL MONITOR - PERSONAL DATA  
01/01/83 TO 12/31/83 DATE 02/17/84 TIME 102643 PAGE 1

CHEMICAL M1 MALE

| PLANT NAME.... | AREA | TASK | JCL | SHIFT | DATE.. | L/T | ...PPM | PUMP | PDS | BRK TH | RESP | FEAR |
|----------------|------|------|-----|-------|--------|-----|--------|------|-----|--------|------|------|
| PERRY          | 731  | 000  | 011 | C     | 092783 | 360 | .08    |      |     | >20%   | 2    |      |

NGC 08732

06846D ~ R.F.G. PERSONNEL MONITOR ~ PERSONAL DATA  
 01/01/82 TO 12/31/82 DATE 02/09/83 TIME 150512 PAGE 1

| CHEMICAL M1 MALE |      |      |     |       |        |     |        |          |     |    |      |  |
|------------------|------|------|-----|-------|--------|-----|--------|----------|-----|----|------|--|
| ANT NAME....     | AREA | TASK | JOB | SHIFT | DATE.. | E/T | ...PPM | PUMP POS | BRK | TH | RESP |  |
| ENRY             | 731  | 000  | 011 | C     | 012282 | 360 | .02    | OUT MASK | NO  |    | 0    |  |
| ENRY             | 731  | 000  | 011 | C     | 020782 | 360 | .04    | OUT MASK | NO  |    | 0    |  |
| ENRY             | 731  | 000  | 011 | C     | 030682 | 360 | .01    | OUT MASK | NO  |    | 0    |  |
| ENRY             | 731  | 000  | 011 | C     | 040382 | 360 | .12    | OUT MASK | NO  |    | 2    |  |
| ENRY             | 731  | 000  | 011 | C     | 050282 | 360 | .03    | OUT MASK | NO  |    | 0    |  |
| ENRY             | 731  | 000  | 011 | C     | 111482 | 360 | .32    | OUT MASK | NO  |    | 2    |  |

| SOUND N80 MALE |      |      |     |       |        |     |       |         |
|----------------|------|------|-----|-------|--------|-----|-------|---------|
| ANT NAME....   | AREA | TASK | JOB | SHIFT | DATE.. | E/T | VALUE | > 115DB |
| ENRY           | 731  | 000  | 011 | C     | 020382 | 360 | 50.00 |         |

NGC 08733

R96846D - B.F.G. PERSONNEL MONITOR - PERSONAL DATA  
 01/01/81 TO 12/31/81 DATE 01/10/86 TIME 105352 PAGE 1

| PLANT NAME..... | AREA | TASK | JOB | SHIFT | DATE.. | E/T | CHEMICAL M1 | PPM  | PUMP POS | MALE | BRK TH | RESP | HEAR |
|-----------------|------|------|-----|-------|--------|-----|-------------|------|----------|------|--------|------|------|
| HENRY           | 731  | 000  | 011 | C     | 012291 | 360 |             | .06  | OUT MASK |      | NO     |      | 0    |
| HENRY           | 731  | 000  | 011 | C     | 020981 | 360 |             | .00  | OUT MASK |      | NO     |      | 0    |
| HENRY           | 731  | 000  | 011 | C     | 040491 | 360 |             | .19  | OUT MASK |      | NO     |      | 2    |
| HENRY           | 731  | 000  | 011 | C     | 050281 | 360 |             | 1.68 | OUT MASK |      | NO     |      | 2    |
| HENRY           | 731  | 000  | 011 | C     | 060291 | 600 |             | .01  | OUT MASK |      | NO     |      | 0    |
| HENRY           | 731  | 000  | 011 | C     | 080581 | 600 |             | .26  | OUT MASK |      | NO     |      | 2    |
| HENRY           | 731  | 000  | 011 | C     | 090181 | 600 |             | .25  | OUT MASK |      | NO     |      | 2    |
| HENRY           | 731  | 000  | 011 | C     | 101181 | 600 |             | .47  | OUT MASK |      | NO     |      | 0    |
| HENRY           | 731  | 000  | 011 | C     | 110291 | 360 |             | 8.76 | OUT MASK |      | NO     |      | 0    |
| HENRY           | 731  | 000  | 011 | C     | 120191 | 360 |             | .01  | OUT MASK |      | NO     |      | 0    |

NGC 08734

0968460 - H.F.G. PERSONNEL MONITOR - PERSONAL DATA  
 01/01/80 TO 12/31/80 DATE 02/17/81 TIME 141721 PAGE 1

CHEMICAL M1 MALE

| PLANT NAME---- | AREA | TASK | JOB | SHIFT | DATE.. | F/T | ---PPM | PUMP | POS  | BRK TH | RESP |
|----------------|------|------|-----|-------|--------|-----|--------|------|------|--------|------|
| HENRY          | 731  | 000  | 011 | C     | 010180 | 360 | .06    | PUT  | MASK | NO     | 0    |
| HENRY          | 731  | 000  | 011 | C     | 021180 | 360 | .05    | PUT  | MASK | NO     | 2    |
| HENRY          | 731  | 000  | 011 | C     | 031180 | 360 | .11    | PUT  | MASK | NO     | 0    |
| HENRY          | 731  | 000  | 011 | C     | 040880 | 360 | .82    | PUT  | MASK | NO     | 0    |
| HENRY          | 731  | 000  | 011 | C     | 050480 | 360 | .30    | PUT  | MASK | NO     | 0    |
| HENRY          | 731  | 000  | 011 | C     | 062380 | 360 | .02    | PUT  | MASK | NO     | 0    |
| HENRY          | 731  | 000  | 011 | C     | 100380 | 360 | 1.23   | PUT  | MASK | NO     | 2    |
| HENRY          | 731  | 000  | 011 | C     | 110180 | 360 | 2.68   | PUT  | MASK | NO     | 0    |
| HENRY          | 731  | 000  | 011 | C     | 120180 | 360 | 1.07   | PUT  | MASK | >20%   | 0    |

NGC 08735

296846D - R.F.G. PERSONNEL MONITOR - PERSONAL DATA  
 01/01/79 TO 12/31/79 DATE 03/27/80 TIME 115946 PAGE 1

| PLANT NAME..... | AREA | TASK | JOB | SHIFT | DATE.. | E/T | CHEMICAL | M1 | MALE | ...PPM | PUMP POS | BRK TH | RESP |
|-----------------|------|------|-----|-------|--------|-----|----------|----|------|--------|----------|--------|------|
| HENRY           | 731  | 000  | 011 | C     | 010679 | 360 |          |    |      | .92    | OUT MASK | NO     | 0    |
| HENRY           | 731  | 000  | 011 | C     | 021279 | 360 |          |    |      | .31    | OUT MASK | NO     | 0    |
| HENRY           | 731  | 001  | 011 | V     | 022579 | 015 |          |    |      | 6.32   | OUT MASK | NO     | 2    |
| HENRY           | 731  | 000  | 011 | C     | 031379 | 360 |          |    |      | .04    | OUT MASK | NO     | 2    |
| HENRY           | 731  | 017  | 011 | C     | 040179 | 015 |          |    |      | 16.03  | OUT MASK | NO     | 2    |
| HENRY           | 731  | 000  | 011 | C     | 042379 | 360 |          |    |      | 1.19   | OUT MASK | NO     | 2    |
| HENRY           | 731  | 000  | 011 | C     | 050879 | 360 |          |    |      | .05    | OUT MASK | NO     | 2    |
| HENRY           | 731  | 000  | 011 | C     | 060879 | 360 |          |    |      | 1.14   | OUT MASK | NO     | 2    |
| HENRY           | 731  | 000  | 011 | C     | 070179 | 360 |          |    |      | .14    | OUT MASK | NO     | 2    |
| HENRY           | 731  | 000  | 011 | C     | 092479 | 360 |          |    |      | .13    | OUT MASK | NO     | 0    |
| HENRY           | 731  | 000  | 011 | C     | 103179 | 360 |          |    |      | .00    | OUT MASK | NO     | 2    |
| HENRY           | 731  | 000  | 011 | C     | 111779 | 360 |          |    |      | .03    | OUT MASK | NO     | 0    |
| HENRY           | 731  | 000  | 011 | C     | 120379 | 360 |          |    |      | .02    | OUT MASK | NO     | 2    |

NGC 08736

R96846D - R.F.G. PERSONNEL MONITOR - PERSONAL DATA  
 01/01/78 TO 12/31/78 DATE 01/18/79 TIME 090117 PAGE 1

|                |      | CHEMICAL |     | M1    |        | MALE |        |      |      |      |    |      |
|----------------|------|----------|-----|-------|--------|------|--------|------|------|------|----|------|
| PLANT NAME.... | AREA | TASK     | JOB | SHIFT | DATE.. | E/T  | ...PPM | PUMP | POS  | BRK  | TH | RESP |
| HENRY          | 731  | 000      | 011 | C     | 010278 | 360  | .94    | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 000      | 011 | C     | 020478 | 360  | .99    | OUT  | MASK | >20% |    | 2    |
| HENRY          | 731  | 000      | 011 | C     | 030878 | 360  | 2.35   | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 000      | 011 | C     | 042278 | 360  | 3.54   | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 000      | 011 | C     | 050878 | 360  | .03    | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 000      | 011 | C     | 060378 | 360  | .10    | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 037      | 011 | C     | 072178 | 020  | 1.58   | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 000      | 011 | C     | 081478 | 360  | .41    | OUT  | MASK | NO   |    | 0    |
| HENRY          | 731  | 005      | 011 | C     | 082978 | 015  | 3.09   | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 000      | 011 | C     | 090678 | 360  | .12    | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 000      | 011 | C     | 100678 | 360  | .33    | OUT  | MASK | NO   |    | 0    |

NGC 08737

R96846D - B.F.G. PERSONNEL MONITOR - PERSONAL DATA  
 01/01/77 TO 12/31/77 DATE 01/04/78 TIME 131644 PAGE 1

|                |      |      |     |       |        | CHEMICAL | M1     | MALE |      |      |    |      |
|----------------|------|------|-----|-------|--------|----------|--------|------|------|------|----|------|
| PLANT NAME.... | AREA | TASK | JOB | SHIFT | DATE.. | E/T      | ...PPM | PUMP | POS  | BRK  | TH | RESP |
| HENRY          | 731  | 000  | 015 | C     | 010177 | 360      | 2.22   | OUT  | MASK | >20% |    | 2    |
| HENRY          | 731  | 00A  | 015 | C     | 020177 | 360      | 4.46   | IN   | MASK | NO   |    | 2    |
| HENRY          | 731  | 000  | 015 | C     | 020177 | 360      | 2.85   | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 023  | 015 | C     | 022377 | 030      | 12.96  | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 00A  | 015 | C     | 030577 | 360      | .78    | IN   | MASK | NO   |    | 2    |
| HENRY          | 731  | 000  | 015 | C     | 030577 | 360      | 1.22   | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 000  | 015 | C     | 040277 | 360      | .27    | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 000  | 015 | C     | 050177 | 360      | 1.01   | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 000  | 015 | C     | 051877 | 360      | .10    | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 008  | 015 | C     | 052077 | 050      | 1.01   | OUT  | MASK | NO   |    | 0    |
| HENRY          | 731  | 000  | 015 | C     | 060577 | 360      | .64    | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 000  | 015 | C     | 070377 | 360      | .43    | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 008  | 015 | C     | 071977 | 030      | 1.68   | OUT  | MASK | NO   |    | 0    |
| HENRY          | 731  | 000  | 011 | C     | 080177 | 360      | .29    | OUT  | MASK | >20% |    | 2    |
| HENRY          | 731  | 001  | 011 | C     | 083077 | 030      | 21.07  | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 000  | 011 | C     | 090177 | 360      | .27    | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 000  | 011 | C     | 102677 | 360      | 1.54   | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 000  | 011 | C     | 110677 | 360      | .62    | OUT  | MASK | NO   |    | 2    |
| HENRY          | 731  | 000  | 011 | C     | 120377 | 360      | .47    | OUT  | MASK | >20% |    | 2    |

NGC 08738

- B.F.G. PERSONNEL MONITOR - PERSONAL DATA

01/01/76 TO 12/31/76

DATE 03/10/77

TIME 120230

PAGE

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CHEMICAL M1

| PLANT NAME.... | AREA | TASK | JOB | SHIFT | DATE.. | E/T | ...PPM | PUMP POS | BRK TH | RESP |
|----------------|------|------|-----|-------|--------|-----|--------|----------|--------|------|
| HENRY          | 731  | 000  | 015 | C     | 102676 | 360 | 6.16   | DUT MASK | >20%   | 2    |
| HENRY          | 731  | 000  | 016 | C     | 112375 | 360 | 5.23   | DUT MASK | >20%   | 0    |
| HENRY          | 731  | 000  | 015 | C     | 121976 | 360 | 2.04   | DUT MASK | >20%   | 2    |

NGC 08739