

Network Working Group  
Request for Comments: 413  
NIC: 12405  
Updates: RFC 400

A. McKenzie  
BBN  
13 November 1972

## TRAFFIC STATISTICS (October 1972)

### ABSTRACT

Attached are three sets of network traffic statistics as follows:

- the entire month of October 1972
- the four days preceding the ICCC (Oct. 20-23)
- the three days of the ICCC (Oct. 24-26)

AAM/jm

Attach

HOST THROUGHPUT SUMMARY (PACKETS OUTPUT)  
 OCTOBER 1972  
 MISSING DATA FOR 4

|      |        | INTER-<br>NODE | INTRA-<br>NODE | TOTAL   | AVG. DAILY<br>INTERNODE | DAYS |
|------|--------|----------------|----------------|---------|-------------------------|------|
| UCLA | HOST 1 | 312153         | 26551          | 338704  |                         |      |
| UCLA | HOST 2 | 1031946        | 15378          | 1047324 |                         |      |
| UCLA | HOST 3 | 373434         | 23428          | 396862  |                         |      |
|      |        | -----          | -----          | -----   |                         |      |
|      |        | 1717533        | 65357          | 1782890 | 57251                   | 30   |
| SRI  | HOST 1 | 2387082        | 31517          | 2418599 |                         |      |
| SRI  | HOST 2 | 11381          | 2082           | 13463   |                         |      |
|      |        | -----          | -----          | -----   |                         |      |
|      |        | 2398463        | 33599          | 2432062 | 79949                   | 30   |
| UCSB | HOST 1 | 676097         | 520360         | 1196457 | 22537                   | 30   |
| UTAH | HOST 1 | 762366         | 81609          | 843975  | 25412                   | 30   |
| BBN  | HOST 2 | 5360704        | 1186822        | 6547526 |                         |      |
| BBN  | HOST 3 | 327136         | 764176         | 1091312 |                         |      |
| BBN  | HOST 4 | 65456          | 67             | 65523   |                         |      |
|      |        | -----          | -----          | -----   |                         |      |
|      |        | 5753296        | 1951065        | 7704361 | 191777                  | 30   |
| MIT  | HOST 1 | 221169         | 28887          | 250056  |                         |      |
| MIT  | HOST 2 | 1199826        | 446315         | 1646141 |                         |      |
| MIT  | HOST 3 | 700426         | 1258661        | 1959087 |                         |      |
| MIT  | HOST 4 | 351633         | 865357         | 1216990 |                         |      |
|      |        | -----          | -----          | -----   |                         |      |
|      |        | 2473054        | 2599220        | 5072274 | 82435                   | 30   |
| RAND | HOST 1 | 49456          | 155            | 49611   |                         |      |
| RAND | HOST 2 | 5121           | 0              | 5121    |                         |      |
|      |        | -----          | ---            | -----   |                         |      |
|      |        | 54577          | 155            | 54732   |                         |      |
| SDC  | HOST 1 | 82933          | 3316           | 86249   | 2764                    | 30   |
| HARV | HOST 1 | 435424         | 115657         | 551081  |                         |      |
| HARV | HOST 2 | 11584          | 157445         | 169029  |                         |      |
|      |        | -----          | -----          | -----   |                         |      |
|      |        | 447008         | 273102         | 720110  | 14900                   | 30   |

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TRAFFIC STATISTICS (October 1972)

November 1972

|       |        |         |         |         |        |    |
|-------|--------|---------|---------|---------|--------|----|
| SRI   | HOST 1 | 2387082 | 31517   | 2418599 |        |    |
| SRI   | HOST 2 | 11381   | 2082    | 13463   |        |    |
|       |        | -----   | -----   | -----   |        |    |
|       |        | 2398463 | 33599   | 2432062 | 79949  | 30 |
| UCSB  | HOST 1 | 676097  | 520360  | 1196457 | 22537  | 30 |
| UTAH  | HOST 1 | 762366  | 81609   | 843975  | 25412  | 30 |
| BBN   | HOST 2 | 5360704 | 1186822 | 6547526 |        |    |
| BBN   | HOST 3 | 327136  | 764176  | 1091312 |        |    |
| BBN   | HOST 4 | 65456   | 67      | 65523   |        |    |
|       |        | -----   | -----   | -----   |        |    |
|       |        | 5753296 | 1951065 | 7704361 | 191777 | 30 |
| LINC  | HOST 1 | 12974   | 13101   | 26075   |        |    |
| LINC  | HOST 2 | 55351   | 93779   | 149130  |        |    |
| LINC  | HOST 3 | 2938    | 11140   | 14078   |        |    |
|       |        | -----   | -----   | -----   |        |    |
|       |        | 71263   | 118020  | 189283  | 2375   | 30 |
| STAN  | HOST 1 | 1053796 | 18839   | 1072635 | 35754  | 30 |
| ILL   | HOST 1 | 427968  | 424     | 428392  | 14266  | 30 |
| CASE  | HOST 1 | 281293  | 15837   | 297130  | 9376   | 30 |
| CARN  | HOST 1 | 449000  | 434611  | 883611  |        |    |
| CARN  | HOST 2 | 262030  | 339629  | 601659  |        |    |
|       |        | -----   | -----   | -----   |        |    |
|       |        | 711030  | 774240  | 1485270 | 23701  | 30 |
| AMES2 | HOST 1 | 3660501 | 33802   | 3694303 | 122017 | 30 |
| AMES1 | HOST 1 | 95238   | 26364   | 121602  |        |    |
| AMES1 | HOST 1 | 5278898 | 92897   | 5371795 |        |    |
|       |        | -----   | -----   | -----   |        |    |
|       |        | 5374136 | 119261  | 5493397 | 179138 | 30 |
| MITRE | HOST 3 | 751633  | 30      | 396574  | 13218  | 30 |
| ROME  | HOST 3 | 396544  | 33802   | 3694303 | 122017 | 30 |
| NBS   | HOST 1 | 1495    | 29      | 1524    |        |    |
| NBS   | HOST 3 | 1320326 | 39      | 1320365 |        |    |
|       |        | -----   | -----   | -----   |        |    |
|       |        | 1321821 | 68      | 1321889 | 44061  | 30 |

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ETAC    HOST 3            1229441            3777            1233218            40981            30

TINK HAD NO TRAFFIC

ISI HOST 2                2340661            4904748            7245409            78022            30

USC HOST 1                140986            649175            790161

USC HOST 3                1101179            625406            1726585

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1242165            1274581            2516746            41405            30

GWC HOST 3                1308936            53            1308989            43631            30

NOAA HOST 3                22591            10            22601            753            30

SAAC HOST 3                471368            18            471386            15712            30

BELV HAD NO TRAFFIC

ARPA HOST 1                0            228 895            228895

ARPA HOST 3                84275            221181            305456

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84275            450076            534351            2809            30

ABER HOST 1                22133            0            22133            738            30

BBN T HOST 3                1204862            45207            1250069            40162            30

CCA HOST 1                423291            267769            691060

CCA HOST 3                60724            26754            87478

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484015            294523            778538            30251            16

ICCC HOST 3                3885693            522            3886215            185033            21

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TOTAL                    40711450            13589160

DAILY AVERAGE            1357048            452972

AVERAGE PER  
NODE-DAY            43449            14503

PACKETS/MESSAGES ( INTERNODE )            1.07

## HOST THROUGHPUT SUMMARY (PACKETS OUTPUT)

October 20-23 (ICCC TRYOUT)

|             | INTER-<br>NODE | INTRA-<br>NODE | TOTAL   | AVG. DAILY<br>INTERNODE | DAYS |
|-------------|----------------|----------------|---------|-------------------------|------|
| UCLA HOST 1 | 52580          | 2349           | 54929   |                         |      |
| UCLA HOST 2 | 171120         | 1625           | 172745  |                         |      |
| UCLA HOST 3 | 30453          | 3212           | 33665   |                         |      |
|             | -----          | -----          | -----   |                         |      |
|             | 254153         | 7186           | 261339  | 63538                   | 4    |
| SRI HOST 1  | 464128         | 724            | 464852  | 116032                  | 4    |
| UCSB HOST 1 | 133482         | 27403          | 160885  | 33370                   | 4    |
| UTAH HOST 1 | 187584         | 17488          | 205072  | 46896                   | 4    |
| BBN HOST 2  | 1036096        | 99381          | 1135477 |                         |      |
| BBN HOST 3  | 41697          | 191016         | 232713  |                         |      |
| BBN HOST 4  | 8022           | 0              | 8022    |                         |      |
|             | -----          | -----          | -----   |                         |      |
|             | 1085815        | 290397         | 1376212 | 271454                  | 4    |
| MIT HOST 1  | 83706          | 3621           | 87327   |                         |      |
| MIT HOST 2  | 339392         | 58691          | 398083  |                         |      |
| MIT HOST 3  | 122997         | 228452         | 351449  |                         |      |
| MIT HOST 4  | 62184          | 139583         | 201767  |                         |      |
|             | -----          | -----          | -----   |                         |      |
|             | 608279         | 430347         | 1038626 | 152070                  | 4    |
| RAND HOST 1 | 9325           | 11             | 9336    | 2331                    | 4    |
| SDC HOST 1  | 33948          | 79             | 34027   | 8487                    | 4    |
| HARV HOST 1 | 46077          | 53181          | 99258   |                         |      |
| HARV HOST 2 | 8667           | 146191         | 154858  |                         |      |
|             | -----          | -----          | -----   |                         |      |
|             | 54744          | 199372         | 254116  | 13686                   | 4    |
| LINC HOST 1 | 993            | 131            | 1124    |                         |      |
| LINC HOST 2 | 16967          | 8078           | 25045   |                         |      |
| LINC HOST 3 | 72             | 540            | 612     |                         |      |
|             | -----          | -----          | -----   |                         |      |
|             | 18032          | 8749           | 26781   | 4508                    | 4    |
| STAN HOST 1 | 174176         | 1383           | 175559  | 43544                   | 4    |

|                     |        |        |        |        |   |
|---------------------|--------|--------|--------|--------|---|
| ILL HOST 1          | 42930  | 57     | 42987  | 10732  | 4 |
| CASE HOST 1         | 29210  | 754    | 29964  | 7302   | 4 |
| CARN HOST 1         | 51627  | 120787 | 172414 |        |   |
| CARN HOST 2         | 41178  | 82988  | 124166 |        |   |
|                     | -----  | -----  | -----  |        |   |
|                     | 92805  | 203775 | 296580 | 23201  | 4 |
| AMES2 HOST          | 448512 | 6459   | 454971 | 112128 | 4 |
| AMES1 HOST1         | 9628   | 6353   | 15981  |        |   |
| AMES1 HOST          | 608960 | 63038  | 671998 |        |   |
|                     | -----  | -----  | -----  |        |   |
|                     | 618588 | 69391  | 687979 | 154647 | 4 |
| MITRE HOST          | 95168  | 2      | 95170  | 23792  | 4 |
| ROME HOST 3         | 23262  | 0      | 23262  | 5815   | 4 |
| NBS HOST 3          | 140608 | 0      | 140608 | 35152  | 4 |
| ETAC HOST 3         | 320895 | 6      | 320901 | 80224  | 4 |
| TINK HAD NO TRAFFIC |        |        |        |        |   |
| ISI HOST 2          | 455808 | 7478   | 463286 | 113952 | 4 |
| USC HOST 1          | 41228  | 99756  | 140984 |        |   |
| USC HOST 3          | 176341 | 99856  | 276197 |        |   |
|                     | -----  | -----  | -----  |        |   |
|                     | 217569 | 199612 | 417181 | 54392  | 4 |
| GWC HOST 3          | 736128 | 14     | 736142 | 184032 | 4 |
| NOAA HOST 3         | 1991   | 0      | 1991   | 498    | 4 |
| SAAC HOST 3         | 52990  | 0      | 52990  | 13247  | 4 |
| BELV HAD NO TRAFFIC |        |        |        |        |   |
| ARPA HOST 1         | 0      | 11179  | 11179  |        |   |
| ARPA HOST 3         | 17859  | 10961  | 28820  |        |   |
|                     | -----  | -----  | -----  |        |   |
|                     | 17859  | 22140  | 39999  | 4465   | 4 |
| ABER HOST 1         | 3809   | 0      | 3809   | 952    | 4 |

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|------------------------------|-----------------------------------|---------|---------|---------------|-------|
| BBN T HOST                   | 190371                            | 49      | 190420  | 47593         | 4     |
| CCA HOST 1                   | 178037                            | 82306   | 260343  |               |       |
| CCA HOST 3                   | 32053                             | 1896    | 33949   |               |       |
|                              | -----                             | -----   | -----   |               |       |
|                              | 210090                            | 84202   | 294292  | 52522         | 4     |
| ICCC HOST 3                  | 1932288                           | 20      | 1932308 | 483072        | 4     |
|                              | -----                             | -----   | -----   | -----         | ----- |
| TOTAL                        | 8654547                           | 1577098 |         |               |       |
| DAILY AVERAGE                | 2163637                           | 394274  |         |               |       |
| AVERAGE PER<br>NODE-DAY      | 67614                             | 12321   |         |               |       |
| PACKETS/MESSAGES (INTERNODE) |                                   | 1.13    |         |               |       |

## HOST THROUGHPUT SUMMARY (PACKETS OUTPUT)

OCTOBER 24-26 (ICCC)

|             | INTER-<br>NODE | INTRA-<br>NODE | TOTAL   | AVG. DAILY<br>INTERNODE | DAYS |
|-------------|----------------|----------------|---------|-------------------------|------|
| UCLA HOST 1 | 48088          | 1681           | 49769   |                         |      |
| UCLA HOST 2 | 182528         | 683            | 183211  |                         |      |
| UCLA HOST 3 | 35139          | 2865           | 38004   |                         |      |
|             | -----          | -----          | -----   |                         |      |
|             | 265755         | 5229           | 270984  | 88585                   | 3    |
| SRI HOST 1  | 446464         | 5946           | 452410  | 148821                  | 3    |
| USBC HOST 1 | 214784         | 30778          | 245562  | 71595                   | 3    |
| UTAH HOST1  | 88257          | 29169          | 117426  | 29419                   | 3    |
| BBN HOST 2  | 923264         | 76218          | 999482  |                         |      |
| BBN HOST 3  | 141504         | 50468          | 191972  |                         |      |
| BBN HOST 4  | 6271           | 0              | 6271    |                         |      |
|             | -----          | -----          | -----   |                         |      |
|             | 1071039        | 126686         | 1197725 | 357013                  | 3    |
| MIT HOST 1  | 42155          | 3134           | 45289   |                         |      |
| MIT HOST 2  | 181184         | 30699          | 211883  |                         |      |
| MIT HOST 3  | 172352         | 59412          | 231764  |                         |      |
| MIT HOST 4  | 58791          | 75934          | 134725  |                         |      |
|             | -----          | -----          | -----   |                         |      |
|             | 454482         | 169179         | 623661  | 151494                  | 3    |
| RAND HOST 1 | 12708          | 26             | 12734   | 4236                    | 3    |
| SDC HOST 1  | 33207          | 70             | 33277   | 11069                   | 3    |
| HARV HOST 1 | 58899          | 1682           | 60581   |                         |      |
| HARV HOST 2 | 36             | 902            | 938     |                         |      |
|             | -----          | -----          | -----   |                         |      |
|             | 58935          | 2584           | 61519   | 19645                   | 3    |
| LINC HOST 1 | 3924           | 171            | 4095    |                         |      |
| LINC HOST 2 | 7432           | 20265          | 27697   |                         |      |
| LINC HOST 3 | 104            | 2150           | 2254    |                         |      |
|             | -----          | -----          | -----   |                         |      |
|             | 11460          | 22586          | 34046   | 3820                    | 3    |
| STAN HOST 1 | 180416         | 655            | 181071  | 60139                   | 3    |



|                     |        |        |        |        |   |
|---------------------|--------|--------|--------|--------|---|
| ILLHOST 1           | 71762  | 79     | 71841  | 23921  | 3 |
| CASE HOST 1         | 21581  | 326    | 21907  | 7194   | 3 |
| CARN HOST 1         | 51312  | 37230  | 88542  |        |   |
| CARN HOST 2         | 33171  | 37296  | 70467  |        |   |
|                     | -----  | -----  | -----  |        |   |
|                     | 84483  | 74526  | 159009 | 28161  | 3 |
| AMES2 HOST 1        | 761216 | 3869   | 765085 | 253739 | 3 |
| AMES1 HOST 1        | 14658  | 1816   | 16474  |        |   |
| AMES1 HOST 3        | 945088 | 3418   | 948506 |        |   |
|                     | -----  | -----  | -----  |        |   |
|                     | 959746 | 5234   | 964980 | 319915 | 3 |
| MITRE HOST 3        | 30143  | 14     | 30157  | 10048  | 3 |
| ROME HOST 3         | 16882  | 3      | 16885  | 5627   | 3 |
| NBS HOST 1          | 258    | 2      | 260    |        |   |
| NBS HOST 3          | 188096 | 1      | 188097 |        |   |
|                     | -----  | -----  | -----  |        |   |
|                     | 188354 | 3      | 188357 | 62785  | 3 |
| ETAC HOST 3         | 182592 | 105    | 182697 | 60864  | 3 |
| TINK HAD NO TRAFFIC |        |        |        |        |   |
| ISI HOST 2          | 474112 | 8840   | 482952 | 158037 | 3 |
| USC HOST 1          | 91206  | 111556 | 202762 |        |   |
| USC HOST 3          | 194944 | 111354 | 306298 |        |   |
|                     | -----  | -----  | -----  |        |   |
|                     | 286150 | 222910 | 509060 | 95383  | 3 |
| GWC HOST 3          | 317760 | 8      | 317768 | 105920 | 3 |
| NOAA HOST 3         | 4016   | 0      | 4016   | 1339   | 3 |
| SAAC HOST 3         | 30830  | 4      | 30834  | 10277  | 3 |
| BELV HAD NO TRAFFIC |        |        |        |        |   |

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|                              |         |        |         |        |       |
|------------------------------|---------|--------|---------|--------|-------|
| ARPA HOST 1                  | 0       | 32156  | 32156   |        |       |
| ARPA HOST 3                  | 14004   | 31458  | 45462   |        |       |
|                              | -----   | -----  | -----   |        |       |
|                              | 14004   | 63614  | 77618   | 4668   | 3     |
| ABER HOST 1                  | 8061    | 0      | 8061    | 2687   | 3     |
| BBN T HOST 3                 | 159424  | 794    | 160218  | 53141  | 3     |
| CCA HOST 1                   | 157568  | 114451 | 272019  |        |       |
| CCA HOST 3                   | 9697    | 7246   | 16943   |        |       |
|                              | -----   | -----  | -----   |        |       |
|                              | 167265  | 121697 | 288962  | 55755  | 3     |
| ICCC HOST 3                  | 1821440 | 479    | 1821919 | 607147 | 3     |
| -----                        | -----   | -----  | -----   | -----  | ----- |
| TOTAL                        | 8437328 | 895413 |         |        |       |
| DAILY AVERAGE                | 2812443 | 298471 |         |        |       |
| AVERAGE PER<br>NODE-DAY      | 87889   | 9327   |         |        |       |
| PACKETS/MESSAGES (INTERNODE) |         | 1.05   |         |        |       |

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