

| Grid No | LAT   | LOG   | A   | B   | C   | D   | E   | F   | G   | H   | I   | J   | K   | L              | hslope          | vslope         | slope resultant (m/s) | sigma resultant (m/s) |                |
|---------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|-----------------|----------------|-----------------------|-----------------------|----------------|
| 1       | 16.5  | 74.5  | 620 | 644 | 635 | 600 | 720 | 668 | 749 | 632 | 688 | 691 | 646 | 709            | 0.001569566538  | 0.00212369867  | 0.01846632025         | 0.020640763435        |                |
| 2       | 16.5  | 74.75 | 574 | 573 | 575 | 572 | 595 | 647 | 635 | 573 | 628 | 609 | 570 | 594            | 0.000943607758  | 0.00096680670  | 0.000925242           | 0.0113501357068       |                |
| 3       | 16.5  | 75    | 599 | 596 | 600 | 618 | 649 | 601 | 576 | 594 | 583 | 660 | 590 | 603            | -0.000959729696 | 0.001533526295 | -0.000992184          | 0.01175105081         |                |
| 4       | 16.5  | 75.25 | 601 | 595 | 603 | 595 | 600 | 584 | 575 | 604 | 575 | 604 | 589 | 598            | -0.000241662805 | 0.000501769162 | -0.000421662805       | 0.000501769162        |                |
| 5       | 16.5  | 75.5  | 602 | 622 | 604 | 595 | 584 | 577 | 680 | 572 | 588 | 607 | 589 | 580            | 0.001124544639  | -0.00053318392 | 0.00034056903         | 0.01326425186         |                |
| 6       | 16.25 | 74.25 | 750 | 739 | 742 | 681 | 770 | 718 | 748 | 824 | 741 | 731 | 812 | 860            | -0.00161278633  | 0.002096568723 | -0.000204149438       | 0.002647269591        |                |
| 7       | 16.25 | 74.5  | 684 | 691 | 649 | 716 | 818 | 705 | 833 | 740 | 890 | 835 | 732 | 732            | 0.003112601585  | 0.004576260012 | 0.003757969084        | 0.0107366858          |                |
| 8       | 16.25 | 74.75 | 633 | 611 | 570 | 583 | 660 | 641 | 705 | 600 | 641 | 800 | 709 | 646            | 662             | 0.00329837817  | 0.003705176403        | 0.003515506902        | 0.004970609595 |
| 9       | 16.25 | 75    | 596 | 598 | 604 | 598 | 640 | 658 | 661 | 570 | 617 | 607 | 614 | 617            | -0.0001685327   | 0.00218696773  | 0.00012052379         | 0.01194502679         |                |
| 10      | 16.25 | 75.25 | 592 | 544 | 572 | 563 | 658 | 574 | 669 | 567 | 653 | 653 | 659 | 653            | 0.0019151624369 | 0.00326214575  | 0.00257079202         | 0.003751881932        |                |
| 11      | 16.25 | 75.5  | 563 | 574 | 572 | 564 | 574 | 579 | 567 | 639 | 657 | 653 | 660 | 637            | -0.000579234436 | 0.002286364951 | 0.000853560292        | 0.00235858990         |                |
| 12      | 16    | 74.25 | 741 | 715 | 839 | 726 | 736 | 736 | 762 | 746 | 877 | 840 | 729 | 0.000850181247 | 0.001373626374  | 0.00111190381  | 0.01161543459         |                       |                |
| 13      | 16    | 74.5  | 838 | 811 | 714 | 832 | 727 | 845 | 763 | 733 | 729 | 727 | 672 | 648            | 0.000373760642  | -0.00352443609 | 0.000157536903        | 0.00534193274         |                |
| 14      | 16    | 74.75 | 800 | 719 | 845 | 840 | 733 | 653 | 749 | 653 | 749 | 653 | 672 | 648            | 0.0005650469    | -0.00213273568 | 0.00044155687         | 0.0024580672          |                |
| 15      | 16    | 75    | 664 | 657 | 653 | 655 | 735 | 709 | 653 | 657 | 648 | 650 | 714 | 634            | 0.000404241928  | 0.000135555234 | 0.000277987266        | 0.000441732507        |                |
| 16      | 16    | 75.25 | 658 | 653 | 659 | 653 | 708 | 639 | 656 | 572 | 633 | 647 | 578 | 567            | 0.002029275384  | -0.00182547715 | 0.000133638342        | 0.00277046178         |                |
| 17      | 15.75 | 74.5  | 745 | 705 | 605 | 662 | 672 | 685 | 682 | 723 | 695 | 685 | 585 | 645            | 0.000249422456  | -0.00169992192 | -0.000348973          | 0.011926478074        |                |
| 18      | 15.75 | 74.75 | 649 | 648 | 660 | 646 | 674 | 651 | 719 | 648 | 662 | 651 | 732 | 661            | 0.000989664502  | 0.001031031873 | 0.00095000118         | 0.01345670234         |                |
| 19      | 15.75 | 75    | 648 | 650 | 654 | 651 | 651 | 652 | 649 | 652 | 652 | 653 | 653 | 649            | 0.0018651668    | -0.00045186762 | 0.00038732592         | 0.0024580672          |                |
| 20      | 15.75 | 75.25 | 632 | 647 | 574 | 567 | 600 | 581 | 622 | 646 | 617 | 570 | 634 | 645            | 0.000392391345  | 0.000415702718 | 0.00044047031         | 0.000971646497        |                |
|         |       |       |     |     |     |     |     |     |     |     |     |     |     |                |                 |                | 1.000454512903        |                       |                |

| Index | Grid No. | Latitude | Longitude | Normal (m) | Avg Normal Grid |
|-------|----------|----------|-----------|------------|-----------------|
| 1     |          | 15.25    | 74        | 45.85      |                 |
| 2     | 1        | 15.25    | 74.25     | 45.75      | 45.85           |
| 3     |          | 15.25    | 74.5      | 45.65      |                 |
| 4     | 2        | 15.25    | 74.75     | 45.55      | 45.75           |
| 5     |          | 15.25    | 75        | 45.45      |                 |
| 6     | 3        | 15.25    | 75.25     | 45.35      | 45.65           |
| 7     |          | 15.25    | 75.5      | 45.25      |                 |
| 8     | 4        | 15.25    | 75.75     | 45.15      | 45.55           |
| 9     |          | 15.25    | 76        | 45.05      |                 |
| 10    | 5        | 15.25    | 76.25     | 44.95      | 45.25           |
| 11    |          | 15.25    | 76.5      | 44.85      |                 |
| 12    | 6        | 15       | 76.75     | 44.75      | 45.05           |
| 13    |          | 15       | 77        | 44.65      |                 |
| 14    | 7        | 15       | 77.25     | 44.55      | 44.84           |
| 15    |          | 15       | 77.5      | 44.45      |                 |
| 16    | 8        | 15       | 77.75     | 44.35      | 44.75           |
| 17    |          | 15       | 78        | 44.25      |                 |
| 18    | 9        | 15       | 78.25     | 44.15      | 44.65           |
| 19    |          | 15       | 78.5      | 44.05      |                 |
| 20    | 10       | 15       | 78.75     | 43.95      | 44.55           |
| 21    |          | 15       | 79        | 43.85      |                 |
| 22    | 11       | 15       | 79.25     | 43.75      | 44.45           |
| 23    |          | 15       | 79.5      | 43.65      |                 |
| 24    | 12       | 15       | 79.75     | 43.55      | 44.35           |
| 25    |          | 15       | 80        | 43.45      |                 |
| 26    | 13       | 15       | 80.25     | 43.35      | 44.25           |
| 27    |          | 15       | 80.5      | 43.25      |                 |
| 28    | 14       | 15       | 80.75     | 43.15      | 44.15           |
| 29    |          | 15       | 81        | 43.05      |                 |
| 30    | 15       | 15       | 81.25     | 42.95      | 44.05           |
| 31    |          | 15       | 81.5      | 42.85      |                 |
| 32    | 16       | 15       | 81.75     | 42.75      | 43.95           |
| 33    |          | 15       | 82        | 42.65      |                 |
| 34    | 17       | 15       | 82.25     | 42.55      | 43.85           |
| 35    |          | 15       | 82.5      | 42.45      |                 |
| 36    | 18       | 15       | 82.75     | 42.35      | 43.75           |
| 37    |          | 15       | 83        | 42.25      |                 |
| 38    | 19       | 15       | 83.25     | 42.15      | 43.65           |
| 39    |          | 15       | 83.5      | 42.05      |                 |
| 40    | 20       | 15       | 83.75     | 41.95      | 43.55           |
| 41    |          | 15       | 84        | 41.85      |                 |
| 42    | 21       | 15       | 84.25     | 41.75      | 43.45           |
| 43    |          | 15       | 84.5      | 41.65      |                 |
| 44    | 22       | 15       | 84.75     | 41.55      | 43.35           |
| 45    |          | 15       | 85        | 41.45      |                 |
| 46    | 23       | 15       | 85.25     | 41.35      | 43.25           |
| 47    |          | 15       | 85.5      | 41.25      |                 |
| 48    | 24       | 15       | 85.75     | 41.15      | 43.15           |
| 49    |          | 15       | 86        | 41.05      |                 |
| 50    | 25       | 15       | 86.25     | 40.95      | 43.05           |
| 51    |          | 15       | 86.5      | 40.85      |                 |
| 52    | 26       | 15       | 86.75     | 40.75      | 42.95           |
| 53    |          | 15       | 87        | 40.65      |                 |
| 54    | 27       | 15       | 87.25     | 40.55      | 42.85           |
| 55    |          | 15       | 87.5      | 40.45      |                 |
| 56    | 28       | 15       | 87.75     | 40.35      | 42.75           |
| 57    |          | 15       | 88        | 40.25      |                 |
| 58    | 29       | 15       | 88.25     | 40.15      | 42.65           |
| 59    |          | 15       | 88.5      | 40.05      |                 |
| 60    | 30       | 15       | 88.75     | 39.95      | 42.55           |
| 61    |          | 15       | 89        | 39.85      |                 |
| 62    | 31       | 15       | 89.25     | 39.75      | 42.45           |
| 63    |          | 15       | 89.5      | 39.65      |                 |
| 64    | 32       | 15       | 89.75     | 39.55      | 42.35           |
| 65    |          | 15       | 90        | 39.45      |                 |
| 66    | 33       | 15       | 90.25     | 39.35      | 42.25           |
| 67    |          | 15       | 90.5      | 39.25      |                 |
| 68    | 34       | 15       | 90.75     | 39.15      | 42.15           |
| 69    |          | 15       | 91        | 39.05      |                 |
| 70    | 35       | 15       | 91.25     | 38.95      | 42.05           |
| 71    |          | 15       | 91.5      | 38.85      |                 |
| 72    | 36       | 15       | 91.75     | 38.75      | 41.95           |
| 73    |          | 15       | 92        | 38.65      |                 |
| 74    | 37       | 15       | 92.25     | 38.55      | 41.85           |
| 75    |          | 15       | 92.5      | 38.45      |                 |
| 76    | 38       | 15       | 92.75     | 38.35      | 41.75           |
| 77    |          | 15       | 93        | 38.25      |                 |
| 78    | 39       | 15       | 93.25     | 38.15      | 41.65           |
| 79    |          | 15       | 93.5      | 38.05      |                 |
| 80    | 40       | 15       | 93.75     | 37.95      | 41.55           |
| 81    |          | 15       | 94        | 37.85      |                 |
| 82    | 41       | 15       | 94.25     | 37.75      | 41.45           |
| 83    |          | 15       | 94.5      | 37.65      |                 |
| 84    | 42       | 15       | 94.75     | 37.55      | 41.35           |
| 85    |          | 15       | 95        | 37.45      |                 |
| 86    | 43       | 15       | 95.25     | 37.35      | 41.25           |
| 87    |          | 15       | 95.5      | 37.25      |                 |
| 88    | 44       | 15       | 95.75     | 37.15      | 41.15           |
| 89    |          | 15       | 96        | 37.05      |                 |
| 90    | 45       | 15       | 96.25     | 36.95      | 41.05           |
| 91    |          | 15       | 96.5      | 36.85      |                 |
| 92    | 46       | 15       | 96.75     | 36.75      | 40.95           |
| 93    |          | 15       | 97        | 36.65      |                 |
| 94    | 47       | 15       | 97.25     | 36.55      | 40.85           |
| 95    |          | 15       | 97.5      | 36.45      |                 |
| 96    | 48       | 15       | 97.75     | 36.35      | 40.75           |
| 97    |          | 15       | 98        | 36.25      |                 |
| 98    | 49       | 15       | 98.25     | 36.15      | 40.65           |
| 99    |          | 15       | 98.5      | 36.05      |                 |
| 100   | 50       | 15       | 98.75     | 35.95      | 40.55           |
| 101   |          | 15       | 99        | 35.85      |                 |
| 102   | 51       | 15       | 99.25     | 35.75      | 40.45           |
| 103   |          | 15       | 99.5      | 35.65      |                 |
| 104   | 52       | 15       | 99.75     | 35.55      | 40.35           |
| 105   |          | 15       | 100       | 35.45      |                 |
| 106   | 53       | 15       | 100.25    | 35.35      | 40.25           |
| 107   |          | 15       | 100.5     | 35.25      |                 |
| 108   | 54       | 15       | 100.75    | 35.15      | 40.15           |
| 109   |          | 15       | 101       | 35.05      |                 |
| 110   | 55       | 15       | 101.25    | 34.95      | 40.05           |
| 111   |          | 15       | 101.5     | 34.85      |                 |
| 112   | 56       | 15       | 101.75    | 34.75      | 39.95           |
| 113   |          | 15       | 102       | 34.65      |                 |
| 114   | 57       | 15       | 102.25    | 34.55      | 39.85           |
| 115   |          | 15       | 102.5     | 34.45      |                 |
| 116   | 58       | 15       | 102.75    | 34.35      | 39.75           |
| 117   |          | 15       | 103       | 34.25      |                 |
| 118   | 59       | 15       | 103.25    | 34.15      | 39.65           |
| 119   |          | 15       | 103.5     | 34.05      |                 |
| 120   | 60       | 15       | 103.75    | 33.95      | 39.55           |
| 121   |          | 15       | 104       | 33.85      |                 |
| 122   | 61       | 15       | 104.25    | 33.75      | 39.45           |
| 123   |          | 15       | 104.5     | 33.65      |                 |
| 124   | 62       | 15       | 104.75    | 33.55      | 39.35           |
| 125   |          | 15       | 105       | 33.45      |                 |
| 126   | 63       | 15       | 105.25    | 33.35      | 39.25           |
| 127   |          | 15       | 105.5     | 33.25      |                 |
| 128   | 64       | 15       | 105.75    | 33.15      | 39.15           |
| 129   |          | 15       | 106       | 33.05      |                 |
| 130   | 65       | 15       | 106.25    | 32.95      | 39.05           |
| 131   |          | 15       | 106.5     | 32.85      |                 |
| 132   | 66       | 15       | 106.75    | 32.75      | 38.95           |
| 133   |          | 15       | 107       | 32.65      |                 |
| 134   | 67       | 15       | 107.25    | 32.55      | 38.85           |
| 135   |          | 15       | 107.5     | 32.45      |                 |
| 136   | 68       | 15       | 107.75    | 32.35      | 38.75           |
| 137   |          | 15       | 108       | 32.25      |                 |
| 138   | 69       | 15       | 108.25    | 32.15      | 38.65           |
| 139   |          | 15       | 108.5     | 32.05      |                 |
| 140   | 70       | 15       | 108.75    | 31.95      | 38.55           |
| 141   |          | 15       | 109       | 31.85      |                 |
| 142   | 71       | 15       | 109.25    | 31.75      | 38.45           |
| 143   |          | 15       | 109.5     | 31.65      |                 |
| 144   | 72       | 15       | 109.75    | 31.55      | 38.35           |
| 145   |          | 15       | 110       | 31.45      |                 |
| 146   | 73       | 15       | 110.25    | 31.35      | 38.25           |
| 147   |          | 15       | 110.5     | 31.25      |                 |
| 148   | 74       | 15       | 110.75    | 31.15      | 38.15           |
| 149   |          | 15       | 111       | 31.05      |                 |
| 150   | 75       | 15       | 111.25    | 30.95      | 38.05           |
| 151   |          | 15       | 111.5     | 30.85      |                 |
| 152   | 76       | 15       | 111.75    | 30.75      | 37.95           |
| 153   |          | 15       | 112       | 30.65      |                 |
| 154   | 77       | 15       | 112.25    | 30.55      | 37.85           |
| 155   |          | 15       | 112.5     | 30.45      |                 |
| 156   | 78       | 15       | 112.75    | 30.35      | 37.75           |
| 157   |          | 15       | 113       | 30.25      |                 |
| 158   | 79       | 15       | 113.25    | 30.15      | 37.65           |
| 159   |          | 15       | 113.5     | 30.05      |                 |
| 160   | 80       | 15       | 113.75    | 29.95      | 37.55           |
| 161   |          | 15       | 114       | 29.85      |                 |
| 162   | 81       | 15       | 114.25    | 29.75      | 37.45           |
| 163   |          | 15       | 114.5     | 29.65      |                 |
| 164   | 82       | 15       | 114.75    | 29.55      | 37.35           |
| 165   |          | 15       | 115       | 29.45      |                 |
| 166   | 83       | 15       | 115.25    | 29.35      | 37.25           |
| 167   |          | 15       | 115.5     | 29.25      |                 |
| 168   | 84       | 15       | 115.75    | 29.15      | 37.15           |
| 169   |          | 15       | 116       | 29.05      |                 |
| 170   | 85       | 15       | 116.25    | 28.95      | 37.05           |
| 171   |          | 15       | 116.5     | 28.85      |                 |
| 172   | 86       | 15       | 116.75    | 28.75      | 36.95           |
| 173   |          | 15       | 117       | 28.65      |                 |
| 174   | 87       | 15       | 117.25    | 28.55      | 36.85           |
| 175   |          | 15       | 117.5     | 28.45      |                 |
| 176   | 88       | 15       | 117.75    | 28.35      | 36.75           |
| 177   |          | 15       | 118       | 28.25      |                 |
| 178   | 89       | 15       | 118.25    | 28.15      | 36.65           |
| 179   |          | 15       | 118.5     | 28.05      |                 |
| 180   | 90       | 15       | 118.75    | 27.95      | 36.55           |
| 181   |          | 15       | 119       | 27.85      |                 |
| 182   | 91       | 15       | 119.25    | 27.75      | 36.45           |
| 183   |          | 15       | 119.5     | 27.65      |                 |
| 184   | 92       | 15       | 119.75    | 27.55      | 36.35           |
| 185   |          | 15       | 120       | 27.45      |                 |
| 186   | 93       | 15       | 120.25    | 27.35      | 36.25           |
| 187   |          | 15       | 120.5     | 27.25      |                 |
| 188   | 94       | 15       | 120.75    | 27.15      | 36.15           |
| 189   |          | 15       | 121       | 27.05      |                 |
| 190   | 95       | 15       | 121.25    | 26.95      | 36.05           |
| 191   |          | 15       | 121.5     | 26.85      |                 |
| 192   | 96       | 15       | 121.75    | 26.75      | 35.95           |
| 193   |          | 15       | 122       | 26.65      |                 |
| 194   | 97       | 15       | 122.25    | 26.55      | 35.85           |
| 195   |          | 15       | 122.5     | 26.45      |                 |
| 196   | 98       | 15       | 122.75    | 26.35      | 35.75           |
| 197   |          | 15       | 123       | 26.25      |                 |
| 198   | 99       | 15       | 123.25    | 26.15      | 35.65           |
| 199   |          | 15       | 123.5     | 26.05      |                 |
| 200   | 100      | 15       | 123.75    | 25.95      | 35.55           |
| 201   |          | 15       | 124       | 25.85      |                 |
| 202   | 101      | 15       | 124.25    | 25.75      | 35.45           |
| 203   |          | 15       | 124.5     | 25.65      |                 |
| 204   | 102      | 15       | 124.75    | 25.55      | 35.35           |
| 205   |          | 15       | 125       | 25.45      |                 |
| 206   | 103      | 15       | 125.25    | 25.35      | 35.25           |
| 207   |          | 15       | 125.5     | 25.25      |                 |
| 208   | 104      | 15       | 125.75    | 25.15      | 35.15           |
| 209   |          | 15       | 126       | 25.05      |                 |
| 210   | 105      | 15       | 126.25    | 24.95      | 35.05           |
| 211   |          | 15       | 126.5     | 24.85      |                 |
| 212   | 106      | 15       | 126.75    | 24.75      | 34.95           |
| 213   |          | 15       | 127       | 24.65      |                 |
| 214   | 107      | 15       | 127.25    | 24.55      | 34.85           |
| 215   |          | 15       | 127.5     | 24.45      |                 |
| 216   | 108      | 15       | 127.75    | 24.35      | 34.75           |
| 217   |          | 15       | 128       | 24.25      |                 |
| 218   | 109      | 15       | 128.25    | 24.15      | 34.65           |
| 219   |          | 15       | 128.5     | 24.05      |                 |
| 220   | 110      | 15       | 128.75    | 23.95      | 34.55           |
| 221   |          | 15       | 129       | 23.85      |                 |
| 222   | 111      | 15       | 129.25    | 23.75      | 34.45           |
| 223   |          | 15       | 129.5     | 23.65      |                 |
| 224   | 112      | 15       | 129.75    | 23.55      | 34.35           |
| 225   |          | 15       | 130       | 23.45      |                 |
| 226   | 113      | 15       | 130.25    | 23.35      | 34.25           |
| 227   |          | 15       | 130.5     | 23.25      |                 |
| 228   | 114      | 15       | 130.75    | 23.15      | 34.15           |
| 229   |          | 15       | 131       | 23.05      |                 |
| 230   | 115      | 15       | 131.25    | 22.95      | 34.05           |
| 231   |          | 15       | 131.5     | 22.85      |                 |
| 232   | 116      | 15       | 131.75    | 22.75      | 33.95           |
| 233   |          | 15       | 132       | 22.65      |                 |
| 234   | 117      | 15       | 132.25    | 22.55      | 33.85           |
| 235   |          | 15       | 132.5     | 22.45      |                 |
| 236   | 118      | 15       | 132.75    | 22.35      | 33.75           |
| 237   |          | 15       | 133       | 22.25      |                 |
| 238   | 119      | 15       | 133.25    | 22.15      | 33.65           |
| 239   |          | 15       | 133.5     | 22.05      |                 |
| 240   | 120      | 15       | 133.75    | 21.95      | 33.55           |
| 241   |          | 15       | 134       | 21.85      |                 |
| 242   | 121      | 15       | 134.25    | 21.75      | 33.45           |
| 243   |          | 15       | 134.5     | 21.65      |                 |

Figure 1 displays 16 panels showing daily rainfall (mm) for different grid cells (1-16) over a 31-day period in August 2019. Each panel includes a bar chart of daily rainfall and a line graph of the 5-day moving average. The panels are arranged in a 4x4 grid, with grid numbers 1-16 in the top-left corner of each panel. The x-axis for all panels is 'Day' (1-31) and the y-axis is 'mm Rainfall' (0-200).

The panels are arranged in a 4x4 grid, with grid numbers 1-16 in the top-left corner of each panel. The x-axis for all panels is 'Day' (1-31) and the y-axis is 'mm Rainfall' (0-200).

Grid 1: Shows a significant peak in rainfall around day 10, reaching approximately 180 mm. Grid 2: Shows a peak around day 10, reaching approximately 150 mm. Grid 3: Shows a peak around day 10, reaching approximately 120 mm. Grid 4: Shows a peak around day 10, reaching approximately 100 mm. Grid 5: Shows a peak around day 10, reaching approximately 80 mm. Grid 6: Shows a peak around day 10, reaching approximately 60 mm. Grid 7: Shows a peak around day 10, reaching approximately 40 mm. Grid 8: Shows a peak around day 10, reaching approximately 20 mm. Grid 9: Shows a peak around day 10, reaching approximately 10 mm. Grid 10: Shows a peak around day 10, reaching approximately 5 mm. Grid 11: Shows a peak around day 10, reaching approximately 2 mm. Grid 12: Shows a peak around day 10, reaching approximately 1 mm. Grid 13: Shows a peak around day 10, reaching approximately 0.5 mm. Grid 14: Shows a peak around day 10, reaching approximately 0.2 mm. Grid 15: Shows a peak around day 10, reaching approximately 0.1 mm. Grid 16: Shows a peak around day 10, reaching approximately 0.05 mm.

|           | avg 10    |            |           |           | avg 9      |           |            |             | avg 8     |            |             |           | avg 7     |             |  |  | avg 6 |  |  |
|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-------------|-----------|------------|-------------|-----------|-----------|-------------|--|--|-------|--|--|
| 5.840276  | 0.60339   | 3.221833   | 5.840276  | 1.202122  | 3.521199   | 28.823076 | 7.296167   | 18.0596215  | 28.823076 | 7.296167   | 18.0596215  | 50.807793 | 25.546238 | 38.1770155  |  |  |       |  |  |
| 24.51449  | 2.233006  | 13.373748  | 24.51449  | 2.861899  | 13.6881945 | 74.64804  | 13.812697  | 44.2303685  | 74.64804  | 13.812697  | 44.2303685  | 22.864624 | 37.64342  | 30.254022   |  |  |       |  |  |
| 3.463954  | 0.995168  | 2.229561   | 3.463954  | 1.486676  | 2.475315   | 114.16145 | 22.294876  | 68.228163   | 114.16145 | 22.294876  | 68.228163   | 46.42061  | 87.6282   | 67.024405   |  |  |       |  |  |
| 25.808949 | 9.588338  | 17.6986435 | 25.808949 | 26.163734 | 25.9863415 | 87.6405   | 39.653442  | 63.646971   | 87.6405   | 39.653442  | 63.646971   | 142.22456 | 93.699646 | 117.962103  |  |  |       |  |  |
| 24.77679  | 2.440426  | 13.608608  | 24.77679  | 4.333377  | 14.5550835 | 91.81965  | 23.616583  | 57.7181165  | 91.81965  | 23.616583  | 57.7181165  | 132.391   | 88.63292  | 110.51196   |  |  |       |  |  |
| 59.72234  | 21.503847 | 40.6130935 | 59.72234  | 30.309256 | 45.015798  | 166.28815 | 96.78615   | 131.53715   | 166.28815 | 96.78615   | 131.53715   | 229.91687 | 164.67496 | 197.295915  |  |  |       |  |  |
| 57.319637 | 7.106207  | 32.212922  | 57.319637 | 16.001715 | 36.660676  | 165.939   | 104.36893  | 135.153965  | 165.939   | 104.36893  | 135.153965  | 98.240845 | 161.01707 | 129.6289575 |  |  |       |  |  |
| 141.21732 | 18.044147 | 79.6307335 | 141.21732 | 36.480843 | 88.8490815 | 200.38983 | 117.870735 | 159.1302825 | 200.38983 | 117.870735 | 159.1302825 | 101.11821 | 151.48373 | 126.30097   |  |  |       |  |  |
| 36.809216 | 2.129295  | 19.4692555 | 36.809216 | 7.967836  | 22.388526  | 150.0534  | 45.82215   | 97.937775   | 150.0534  | 45.82215   | 97.937775   | 116.61229 | 106.13215 | 111.37222   |  |  |       |  |  |
| 18.37645  | 1.371383  | 9.8739165  | 18.37645  | 6.919601  | 12.6480255 | 92.29753  | 67.41912   | 79.858325   | 92.29753  | 67.41912   | 79.858325   | 52.041634 | 125.63651 | 88.839072   |  |  |       |  |  |
| 12.150774 | 2.988055  | 7.5694145  | 12.150774 | 2.256072  | 7.203423   | 63.22059  | 11.527362  | 37.373976   | 63.22059  | 11.527362  | 37.373976   | 54.57989  | 63.36874  | 58.974315   |  |  |       |  |  |
| 1.003157  | 0         | 0.5015785  | 1.003157  | 0.145288  | 0.5742225  | 15.239024 | 3.364997   | 9.3020105   | 15.239024 | 3.364997   | 9.3020105   | 27.713764 | 18.943975 | 23.3288695  |  |  |       |  |  |
| 6.074211  | 3.823403  | 4.948807   | 6.074211  | 3.708299  | 4.891255   | 9.028052  | 2.418733   | 5.7233925   | 9.028052  | 2.418733   | 5.7233925   | 26.70826  | 9.335587  | 18.0219235  |  |  |       |  |  |
| 1.009084  | 0.422226  | 0.715655   | 1.009084  | 0.36654   | 0.687812   | 55.935665 | 0.857825   | 28.396745   | 55.935665 | 0.857825   | 28.396745   | 29.170092 | 5.228314  | 17.199203   |  |  |       |  |  |
| 5.674701  | 6.190674  | 5.9326875  | 5.674701  | 5.468181  | 5.571441   | 29.463495 | 1.905248   | 15.6843715  | 29.463495 | 1.905248   | 15.6843715  | 203.7131  | 15.221355 | 109.4672275 |  |  |       |  |  |
| 0.102875  | 3.954279  | 2.028577   | 0.102875  | 4.764035  | 2.433455   | 8.404264  | 2.35067    | 5.377467    | 8.404264  | 2.35067    | 5.377467    | 25.102888 | 9.961703  | 17.5322955  |  |  |       |  |  |
| 0.187495  | 0         | 0.0937475  | 0.187495  | 0         | 0.0937475  | 3.661467  | 0          | 1.8307335   | 3.661467  | 0          | 1.8307335   | 15.204048 | 3.307849  | 9.2559485   |  |  |       |  |  |
| 0.780111  | 0.79297   | 0.7865405  | 0.780111  | 0.603221  | 0.691666   | 0.748001  | 1.075663   | 0.911832    | 0.748001  | 1.075663   | 0.911832    | 6.69223   | 1.722686  | 4.207458    |  |  |       |  |  |
| 1.736923  | 1.83814   | 1.7875315  | 1.736923  | 2.532401  | 2.134662   | 0.295876  | 1.082963   | 0.6894195   | 0.295876  | 1.082963   | 0.6894195   | 9.218102  | 1.047492  | 5.132797    |  |  |       |  |  |
| 0.411499  | 0         | 0.2057495  | 0.411499  | 0         | 0.2057495  | 0.221801  | 0.238449   | 0.230125    | 0.221801  | 0.238449   | 0.230125    | 17.631899 | 3.761505  | 10.696702   |  |  |       |  |  |
| 0.273394  | 0         | 0.136697   | 0.273394  | 2.189539  | 1.2314665  | 0         | 0          | 0           | 0         | 0          | 0           | 3.943596  | 0         | 1.971798    |  |  |       |  |  |
| 0         | 0         | 0          | 0         | 0         | 0          | 2.000753  | 0.524267   | 1.26251     | 2.000753  | 0.524267   | 1.26251     | 3.143073  | 0.282877  | 1.712975    |  |  |       |  |  |
| 5.536539  | 0.173991  | 2.855265   | 5.536539  | 0.177229  | 2.856884   | 3.113939  | 8.024052   | 5.5689955   | 3.113939  | 8.024052   | 5.5689955   | 34.107746 | 2.750692  | 18.429219   |  |  |       |  |  |
| 1.309057  | 0.296085  | 0.802571   | 1.309057  | 0         | 0.6545285  | 6.048833  | 1.820301   | 3.934567    | 6.048833  | 1.820301   | 3.934567    | 36.34208  | 11.669145 | 24.0056125  |  |  |       |  |  |
| 3.90076   | 2.11113   | 3.005945   | 3.90076   | 1.419547  | 2.6601535  | 8.640527  | 0.131067   | 4.385797    | 8.640527  | 0.131067   | 4.385797    | 9.579317  | 1.288786  | 5.4340515   |  |  |       |  |  |
| 0.592344  | 0         | 0.296172   | 0.592344  | 0         | 0.296172   | 2.192355  | 0          | 1.0961775   | 2.192355  | 0          | 1.0961775   | 1.459435  | 2.564073  | 2.011754    |  |  |       |  |  |
| 0.592344  | 0         | 0.296172   | 0.592344  | 0         | 0.296172   | 1.653305  | 0.131067   | 0.892186    | 1.653305  | 0.131067   | 0.892186    | 5.851656  | 0.282877  | 3.0672665   |  |  |       |  |  |
| 0.29037   | 0         | 0.145185   | 0.29037   | 0.823298  | 0.556834   | 5.714606  | 1.218604   | 3.466605    | 5.714606  | 1.218604   | 3.466605    | 16.127262 | 4.176971  | 10.1521165  |  |  |       |  |  |
| 1.971852  | 0.543919  | 1.2578855  | 1.971852  | 0.569161  | 1.2705065  | 7.890469  | 1.119958   | 4.5052135   | 7.890469  | 1.119958   | 4.5052135   | 10.256283 | 5.096462  | 7.6763725   |  |  |       |  |  |
| 0         | 0         | 0          | 0         | 0.747451  | 0.3737255  | 9.190267  | 0          | 4.5951335   | 9.190267  | 0          | 4.5951335   | 22.538805 | 2.084989  | 12.311897   |  |  |       |  |  |
| 0.166689  | 0.525695  | 0.346192   | 0.166689  | 0         | 0.0833445  | 5.283891  | 0.131067   | 2.707479    | 5.283891  | 0.131067   | 2.707479    | 32.32435  | 3.268922  | 17.796636   |  |  |       |  |  |

[illegible]