

# **CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000**

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: LAS VEGAS AP LAS NEVADA Station Number: 264436

Latitude: 36 B 04 \* 44 ( Longitude: -115 B 09 \* 19 ( Elevation (feet): 2127

|  | N  | J. Sare  | 7 _  | Clin  | nate [   | Divisio  | n: NV   | 04 E   | xtreme   | South  | ern  |  |  |   |  |  |  | <u> </u>   | Page  | 1 of 3   |
|--|--|--|--|---|--|--|---|--|--|--|--|--|--|---|--|--|--|--|---|--|
| Date   | MAX  | <b>DE</b><br>MIN   | CEMBE<br>AVG   |   | CDD  | PRCP   | Date  | MAX  | J.<br>MIN  | ANUAR)<br>AVG  |  | CDD  | PRCP   | Date  | MAX  | FE<br>MIN  | BRUAR<br>AVG   |  | CDD   | PRCP   |
| 1  | 60   | 39   | 50   | 15  | 0  | 0.01   | 1   | 56   | 35   | 46   | 20   | 0  | 0.01   | 1   | 60   | 39   | 49   | 16   | 0   | 0.02   |
| 2  | 60   | 39   | 49   | 16  | 0  | 0.01   | 2   | 56   | 36   | 46   | 20   | 0  | 0.01   | 2   | 60   | 39   | 50   | 16   | 0   | 0.02   |
| 3  | 60   | 39   | 49   | 16  | 0  | 0.01   | 3   | 56   | 36   | 46   | 20   | 0  | 0.01   | 3   | 60   | 39   | 50   | 16   | 0   | 0.02   |
| 4  | 59   | 38   | 49   | 16  | 0  | 0.01   | 4   | 56   | 36   | 46   | 20   | 0  | 0.02   | 4   | 61   | 39   | 50   | 16   | 0   | 0.02   |
| 5  | 59   | 38   | 49   | 17  | 0  | 0.01   | 5   | 56   | 36   | 46   | 20   | 0  | 0.02   | 5   | 61   | 40   | 50   | 15   | 0   | 0.02   |
| 6  | 59   | 38   | 48   | 17  | 0  | 0.01   | 6   | 56   | 36   | 46   | 20   | 0  | 0.02   | 6   | 61   | 40   | 50   | 15   | 0   | 0.02   |
| 7<br>8   | 59<br>58   | 38<br>37   | 48<br>48   | 17<br>17  | 0  | 0.01   | 7<br>8  | 56<br>56   | 36<br>36   | 46<br>46   | 20<br>19   | 0  | 0.02   | 7 8   | 61<br>62   | 40<br>40   | 51<br>51   | 15<br>15   | 0   | 0.02   |
| 9  | 58   | 37   | 48   | 18  | 0  | 0.01   | 9   | 56   | 36   | 46   | 19   | 0  | 0.02   | 9   | 62   | 40   | 51   | 14   | 0   | 0.02   |
| 10   | 58   | 37   | 47   | 18  | 0  | 0.01   | 10  | 56   | 36   | 46   | 19   | 0  | 0.02   | 1 -   | 62   | 41   | 51   | 14   | 0   | 0.02   |
| 11   | 58   | 37   | 47   | 18  | 0  | 0.01   | 11  | 56   | 36   | 46   | 19   | 0  | 0.02   |   | 62   | 41   | 51   | 14   | 0   | 0.02   |
| 12   | 58   | 37   | 47   | 18  | 0  | 0.01   | 12  | 56   | 36   | 46   | 19   | 0  | 0.02   | 12  | 63   | 41   | 52   | 14   | 0   | 0.03   |
| 13   | 57   | 37   | 47   | 18  | 0  | 0.01   | 13  | 56   | 36   | 46   | 19   | 0  | 0.02   | 13  | 63   | 41   | 52   | 14   | 0   | 0.03   |
| 14   | 57   | 36   | 47   | 18  | 0  | 0.01   | 14  | 57   | 36   | 46   | 19   | 0  | 0.02   | 14  | 63   | 41   | 52   | 13   | 0   | 0.03   |
| 15   | 57   | 36   | 47   | 19  | 0  | 0.01   | 15  | 57   | 36   | 47   | 19   | 0  | 0.02   |   | 63   | 41   | 52   | 13   | 0   | 0.03   |
| 16   | 57   | 36   | 47   | 19  | 0  | 0.01   | 16  | 57   | 37   | 47   | 19   | 0  | 0.02   |   | 63   | 42   | 53   | 13   | 0   | 0.03   |
| 17   | 57   | 36   | 46   | 19  | 0  | 0.01   | 17  | 57   | 37   | 47   | 19   | 0  | 0.02   | 1   | 64   | 42   | 53   | 13   | 0   | 0.03   |
| 18<br>19   | 57<br>56   | 36<br>36   | 46<br>46   | 19<br>19  | 0  | 0.01   | 18<br>19  | 57<br>57   | 37<br>37   | 47<br>47   | 18<br>18   | 0  | 0.02   |   | 64<br>64   | 42<br>42   | 53<br>53   | 13<br>12   | 0   | 0.03   |
| 20   | 56   | 36<br>36   | 46<br>46   | 19  | 0  | 0.01   | 20  | 57<br>57   | 37   | 47   | 18   | 0  | 0.02   | 1   | 64<br>64   | 42   | 53<br>53   | 12   | 0   | 0.03   |
| 21   | 56   | 36   | 46   | 19  | 0  | 0.01   | 21  | 57   | 37   | 47   | 18   | 0  | 0.02   |   | 64   | 43   | 54   | 12   | 0   | 0.03   |
| 22   | 56   | 36   | 46   | 19  | 0  | 0.01   | 22  | 58   | 37   | 48   | 18   | 0  | 0.02   |   | 65   | 43   | 54   | 12   | 0   | 0.03   |
| 23   | 56   | 36   | 46   | 20  | 0  | 0.02   | 23  | 58   | 37   | 48   | 18   | 0  | 0.02   |   | 65   | 43   | 54   | 12   | 0   | 0.03   |
| 24   | 56   | 36   | 46   | 20  | 0  | 0.02   | 24  | 58   | 38   | 48   | 18   | 0  | 0.02   | 24  | 65   | 43   | 54   | 12   | 0   | 0.03   |
| 25   | 56   | 36   | 46   | 20  | 0  | 0.02   | 25  | 58   | 38   | 48   | 17   | 0  | 0.02   | 25  | 65   | 43   | 54   | 11   | 0   | 0.02   |
| 26   | 56   | 36   | 46   | 20  | 0  | 0.02   | 26  | 58   | 38   | 48   | 17   | 0  | 0.02   |   | 65   | 44   | 55   | 11   | 0   | 0.02   |
| 27   | 56   | 35   | 46   | 20  | 0  | 0.02   | 27  | 59   | 38   | 48   | 17   | 0  | 0.02   |   | 66   | 44   | 55   | 11   | 0   | 0.02   |
| 28   | 56   | 35   | 46   | 20  | 0  | 0.02   | 28  | 59   | 38   | 49   | 17   | 0  | 0.02   | 28  | 66   | 44   | 55   | 11   | *   | 0.02   |
| 29<br>30   | 56<br>56   | 35<br>35   | 46<br>46   | 20<br>20  | 0  | 0.02   | 29<br>30  | 59<br>59   | 38<br>39   | 49<br>49   | 17<br>17   | 0  | 0.02   |   |  |  |  |  |   |  |
| 31   | 56   | 36   | 46   | 20  | 0  | 0.02   | 31  | 60   | 39   | 49   | 16   | 0  | 0.02   |   |  |  |  |  |   |  |
|  | 57.3   | 36.6   | 47.0   | 571   | 0  | 0.40   | -   | 57.1   | 36.8   | 47.0   | 574  | 0  | 0.59   | мтн:  | 63.0   | 41.4   | 52.2   | 375  | 1   | 0.69   |
|  |  |  |  | WINT  | ER SE  | ASON:  |   | 59.1   | 38.3   | 48.7   | 1520   | 1  | 1.68   |   |  |  |  |  |   |  |
|  |  |  | /ARCH  |   |  |  |   |  |  | APRIL  |  |  |  |   |  |  | MAY  |  |   |  |
| Date   | MAX  | MIN  |  |   |  |  | l   |  |  |  |  |  |  | l   |  |  |  |  |   |  |
| 1  |  |  | AVG  | HDD   | CDD  | PRCP   |   | MAX  | MIN  | AVG  | HDD  | CDD  | PRCP   |   | MAX  | MIN  | AVG  |  | CDD   | PRCP   |
| 1  | 66   | 44   | 55   | 11  | 0  | 0.03   | 1   | 74   | 50   | AVG<br>62  | 5  | 1  | 0.01   | 1   | 83   | 58   | 70   | 1  | 6   | 0.00   |
| 2  | 66<br>66   | 4 4<br>4 4   | 55<br>55   | 11<br>10  | 0  | 0.03   | 1 2   | 74<br>74   | 50<br>51   | 62<br>62   |  | 1<br>1   | 0.01   | 1 2   | 83<br>83   | 58<br>59   | 70<br>71   | 1<br>1   | 6<br>6  | 0.00   |
|  | 66   | 44   | 55   | 11  | 0  | 0.03   | 1   | 74   | 50   | AVG<br>62  | 5<br>5   | 1  | 0.01   | 1   | 83   | 58   | 70   | 1  | 6   | 0.00   |
| 2<br>3   | 66<br>66   | 4 4<br>4 4<br>4 4  | 55<br>55<br>55   | 11<br>10<br>10  | 0<br>0<br>0  | 0.03<br>0.03<br>0.02   | 1<br>2<br>3   | 74<br>74<br>74   | 50<br>51<br>51   | 62<br>62<br>63   | 5<br>5<br>4  | 1<br>1<br>2  | 0.01<br>0.01<br>0.01   | 1<br>2<br>3   | 83<br>83<br>83   | 58<br>59<br>59   | 70<br>71<br>71   | 1<br>1<br>1  | 6<br>6<br>7   | 0.00<br>0.00<br>0.01   |
| 2<br>3<br>4  | 66<br>66<br>66<br>67   | 4 4<br>4 4<br>4 4<br>4 5   | 55<br>55<br>55<br>56   | 11<br>10<br>10<br>10  | 0<br>0<br>0  | 0.03<br>0.03<br>0.02<br>0.02   | 1<br>2<br>3<br>4  | 74<br>74<br>74<br>75   | 50<br>51<br>51<br>51   | 62<br>62<br>63<br>63   | 5<br>5<br>4<br>4   | 1<br>1<br>2<br>2   | 0.01<br>0.01<br>0.01<br>0.01                                 | 1<br>2<br>3<br>4  | 83<br>83<br>83<br>84   | 58<br>59<br>59<br>59   | 70<br>71<br>71<br>71   | 1<br>1<br>1  | 6<br>6<br>7<br>7  | 0.00<br>0.00<br>0.01<br>0.01                                 |
| 2<br>3<br>4<br>5<br>6<br>7   | 66<br>66<br>66<br>67<br>67<br>67   | 44<br>44<br>44<br>45<br>45<br>45<br>45   | 55<br>55<br>55<br>56<br>56<br>56   | 11<br>10<br>10<br>10<br>10<br>10  | 0<br>0<br>0<br>0<br>0  | 0.03<br>0.03<br>0.02<br>0.02<br>0.02<br>0.02<br>0.02   | 1<br>2<br>3<br>4<br>5<br>6<br>7   | 74<br>74<br>74<br>75<br>75<br>75<br>76   | 50<br>51<br>51<br>51<br>51<br>51<br>51<br>52   | 62<br>62<br>63<br>63<br>63<br>63<br>64   | 5<br>5<br>4<br>4<br>4<br>4   | 1<br>1<br>2<br>2<br>2<br>2<br>2<br>2   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01                 | 1<br>2<br>3<br>4<br>5<br>6<br>7   | 83<br>83<br>83<br>84<br>84<br>84   | 58<br>59<br>59<br>59<br>59<br>60   | 70<br>71<br>71<br>71<br>72<br>72<br>72   | 1<br>1<br>1<br>1<br>1<br>1   | 6<br>6<br>7<br>7<br>7<br>7<br>8   | 0.00<br>0.00<br>0.01<br>0.01<br>0.01<br>0.01                 |
| 2<br>3<br>4<br>5<br>6<br>7<br>8  | 66<br>66<br>67<br>67<br>67<br>67<br>68   | 44<br>44<br>45<br>45<br>45<br>45<br>45   | 55<br>55<br>55<br>56<br>56<br>56<br>56   | 11<br>10<br>10<br>10<br>10<br>10<br>10  | 0<br>0<br>0<br>0<br>0<br>0   | 0.03<br>0.03<br>0.02<br>0.02<br>0.02<br>0.02<br>0.02   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8  | 74<br>74<br>74<br>75<br>75<br>75<br>76<br>76                                     | 50<br>51<br>51<br>51<br>51<br>51<br>52<br>52   | 62<br>62<br>63<br>63<br>63<br>63<br>64<br>64   | 5<br>4<br>4<br>4<br>4<br>4   | 1<br>1<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01         | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8  | 83<br>83<br>83<br>84<br>84<br>84<br>85<br>85   | 58<br>59<br>59<br>59<br>59<br>60<br>60   | 70<br>71<br>71<br>71<br>72<br>72<br>72<br>73                                     | 1<br>1<br>1<br>1<br>1<br>1<br>1  | 6<br>6<br>7<br>7<br>7<br>7<br>8<br>8  | 0.00<br>0.00<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01         |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | 66<br>66<br>67<br>67<br>67<br>67<br>68<br>68   | 44<br>44<br>45<br>45<br>45<br>45<br>45   | 55<br>55<br>55<br>56<br>56<br>56<br>56<br>56   | 11<br>10<br>10<br>10<br>10<br>10<br>10<br>9<br>9  | 0<br>0<br>0<br>0<br>0<br>0   | 0.03<br>0.03<br>0.02<br>0.02<br>0.02<br>0.02<br>0.02<br>0.02   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | 74<br>74<br>74<br>75<br>75<br>76<br>76<br>76                                     | 50<br>51<br>51<br>51<br>51<br>51<br>52<br>52<br>52   | 62<br>62<br>63<br>63<br>63<br>63<br>64<br>64<br>64   | 5<br>4<br>4<br>4<br>4<br>4<br>4  | 1<br>1<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2  | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | 83<br>83<br>83<br>84<br>84<br>84<br>85<br>85   | 58<br>59<br>59<br>59<br>59<br>60<br>60<br>60   | 70<br>71<br>71<br>71<br>72<br>72<br>72<br>73<br>73                               | 1<br>1<br>1<br>1<br>1<br>1<br>1<br>1   | 6<br>6<br>7<br>7<br>7<br>7<br>8<br>8  | 0.00<br>0.00<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | 66<br>66<br>67<br>67<br>67<br>67<br>68<br>68   | 44<br>44<br>45<br>45<br>45<br>45<br>45<br>46   | 55<br>55<br>56<br>56<br>56<br>56<br>56<br>57   | 11<br>10<br>10<br>10<br>10<br>10<br>10<br>9<br>9  | 0<br>0<br>0<br>0<br>0<br>0<br>0  | 0.03<br>0.03<br>0.02<br>0.02<br>0.02<br>0.02<br>0.02<br>0.02   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | 74<br>74<br>74<br>75<br>75<br>75<br>76<br>76<br>76                               | 50<br>51<br>51<br>51<br>51<br>51<br>52<br>52<br>52<br>52   | 62<br>62<br>63<br>63<br>63<br>63<br>64<br>64<br>64   | 5<br>5<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>3  | 1<br>1<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2                               | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | 83<br>83<br>83<br>84<br>84<br>85<br>85<br>85   | 58<br>59<br>59<br>59<br>60<br>60<br>60<br>61<br>61   | 70<br>71<br>71<br>71<br>72<br>72<br>72<br>73<br>73<br>73                         | 1<br>1<br>1<br>1<br>1<br>1<br>1<br>1   | 6<br>6<br>7<br>7<br>7<br>7<br>8<br>8<br>8   | 0.00<br>0.00<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 |
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SPRING SEASON:



## **CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000**

Page 2 of 3

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: LAS VEGAS AP LAS NEVADA Station Number: 264436

Latitude: 36 B 04 \* 44 ( Longitude: -115 B 09 \* 19 ( Elevation (feet): 2127

Climate Division: NV 04 Extreme Southern

|   | -  |   |  |   |  | J1 V1310   |   |  |  |  |   |   |  |   |  |   |  |   | 9-   | 2 01 3   |
|---|--|---|--|---|--|--|---|--|--|--|---|---|--|---|--|---|--|---|--|--|
| Date  | MAX  | MIN   | JUNE<br>AVG  | HDD                                     | CDD  | PRCP   | Date  | MAX  | MIN  | JULY<br>AVG  | HDD   | CDD   | PRCP   | Date  | MAX  | MIN   | AUGUST<br>AVG  |   | CDD  | PRCP   |
| 1   | 94   | 68  | 81   | 0                                       | 16   | 0.01   | 1   | 103  | 76   | 89   | 0   | 24  | 0.01   | 1   | 104  | 79  | 91   | 0   | 26   | 0.02   |
| 2   | 94   | 68  | 81   | 0                                       | 16   | 0.01   | 2   | 103  | 76   | 90   | 0   | 24  | 0.01   | 2   | 104  | 79  | 91   | 0   | 26   | 0.02   |
| 3   | 95   | 69  | 82   | 0                                       | 16   | 0.00   | 3   | 103  | 77   | 90   | 0   | 25  | 0.01   | 3   | 104  | 79<br>70  | 91   | 0   | 26   | 0.02   |
| 4 5   | 95<br>96   | 69<br>69  | 82<br>82   | 0                                       | 17<br>17   | 0.00   | 4<br>5  | 103<br>103   | 77<br>77   | 90<br>90   | 0   | 25<br>25  | 0.01   | 4<br>5  | 104<br>104   | 78<br>78  | 91<br>91   | 0   | 26<br>26   | 0.02   |
| 6   | 96   | 70  | 83   | 0                                       | 17   | 0.00   | 6   | 103  | 77   | 90   | 0   | 25  | 0.01   | 6   | 104  | 78  | 91   | 0   | 25   | 0.02   |
| 7   | 96   | 70  | 83   | 0                                       | 18   | 0.00   | 7   | 104  | 77   | 91   | 0   | 25  | 0.01   | 7   | 103  | 78  | 91   | 0   | 25   | 0.02   |
| 8   | 97   | 70  | 84   | 0                                       | 18   | 0.00   | 8   | 104  | 78   | 91   | 0   | 25  | 0.01   | 8   | 103  | 78  | 91   | 0   | 25   | 0.02   |
| 9   | 97   | 71  | 84   | 0                                       | 18   | 0.00   | 9   | 104  | 78   | 91   | 0   | 26  | 0.01   | 9   | 103  | 78  | 91   | 0   | 25   | 0.02   |
| 10  | 97   | 71  | 84   | 0                                       | 19   | 0.00   | 10  | 104  | 78   | 91   | 0   | 26  | 0.01   | 10  | 103  | 78  | 90   | 0   | 25   | 0.02   |
| 11  | 98   | 71  | 84   | 0                                       | 19   | 0.00   |   | 104  | 78   | 91   | 0   | 26  | 0.01   | 11  | 103  | 78  | 90   | 0   | 25   | 0.02   |
| 12  | 98   | 71  | 85   | 0                                       | 19   |  | 12  | 104  | 78   | 91   | 0   | 26  |  | 12  | 103  | 78  | 90   | 0   | 25   | 0.02   |
| 13  | 98   | 72  | 85   | 0                                       | 20   | 0.00   |   | 104  | 78   | 91   | 0   | 26  |  | 13  | 103  | 77  | 90   | 0   | 25   | 0.02   |
| 14  | 99<br>99   | 72<br>72  | 85<br>86   | 0                                       | 20<br>20   | 0.00   |   | 104<br>104   | 78<br>78   | 91<br>91   | 0   | 26<br>26  |  | 14<br>15  | 102<br>102   | 77<br>77  | 90<br>90   | 0   | 24<br>24   | 0.02   |
| 16  | 99   | 73  | 86   | 0                                       | 20   | 0.00   | 16  | 104  | 78   | 91   | 0   | 26  |  | 16  | 102  | 77  | 90   | 0   | 24   | 0.01   |
| 17  | 100  | 73  | 86   | 0                                       | 21   | 0.00   | l   | 105  | 79   | 92   | 0   | 26  |  | 17  | 102  | 77  | 89   | 0   | 24   | 0.01   |
| 18  | 100  | 73  | 87   | 0                                       | 21   | 0.00   | l   | 105  | 79   | 92   | 0   | 26  |  | 18  | 102  | 77  | 89   | 0   | 24   | 0.01   |
| 19  | 100  | 73  | 87   | 0                                       | 21   | 0.00   | 19  | 105  | 79   | 92   | 0   | 26  | 0.02   | 19  | 101  | 76  | 89   | 0   | 24   | 0.01   |
| 20  | 101  | 74  | 87   | 0                                       | 21   | 0.00   | 20  | 105  | 79   | 92   | 0   | 26  | 0.02   | 20  | 101  | 76  | 89   | 0   | 23   | 0.01   |
| 21  | 101  | 74  | 87   | 0                                       | 22   |  | 21  | 105  | 79   | 92   | 0   | 26  | 0.02   |   | 101  | 76  | 89   | 0   | 23   | 0.01   |
| 22  | 101  | 74  | 88   | 0                                       | 22   | 0.00   | 22  | 105  | 79   | 92   | 0   | 26  | 0.02   | 22  | 101  | 76  | 88   | 0   | 23   | 0.01   |
| 23  | 101  | 74  | 88   | 0                                       | 22   |  | 23  | 105  | 79   | 92   | 0   | 26  |  | 23  | 101  | 76  | 88   | 0   | 23   | 0.01   |
| 24  | 101<br>102   | 75<br>75  | 88<br>88   | 0                                       | 22<br>23   | 0.00   | 24<br>25  | 105<br>104   | 79<br>79   | 92<br>92   | 0   | 26<br>26  |  | 24<br>25  | 100<br>100   | 75<br>75  | 88<br>88   | 0   | 22<br>22   | 0.01   |
| 26  | 102  | 75  | 89   | 0                                       | 23   | 0.01   | 26  | 104  | 79   | 92   | 0   | 26  |  | 26  | 100  | 75  | 88   | 0   | 22   | 0.01   |
| 27  | 102  | 75  | 89   | 0                                       | 23   | 0.01   |   | 104  | 79   | 92   | 0   | 26  | 0.02   |   | 100  | 75  | 87   | 0   | 22   | 0.01   |
| 28  | 102  | 76  | 89   | 0                                       | 23   | 0.01   | 28  | 104  | 79   | 92   | 0   | 26  | 0.02   | 28  | 100  | 75  | 87   | 0   | 22   | 0.01   |
| 29  | 103  | 76  | 89   | 0                                       | 24   | 0.01   | 29  | 104  | 79   | 92   | 0   | 26  | 0.02   | 29  | 99   | 74  | 87   | 0   | 21   | 0.01   |
| 30  | 103  | 76  | 89   | 0                                       | 24   | 0.01   | 30  | 104  | 79   | 91   | 0   | 26  | 0.02   | 30  | 99   | 74  | 87   | 0   | 21   | 0.01   |
|   |  |   |  |   |  |  | 31  | 104  | 79   | 91   | 0   | 26  | 0.02   | 31  | 99   | 74  | 86   | 0   | 21   | 0.01   |
| MTH:  | 98.9   | 72.3  | 85.6   | 0                                       | 602  | 0.08   |   | 104.1  | 78.2   | 91.2   | 0   | 796   | 0.44   | MTH:  | 101.8  | 76.7  | 89.3   | 0   | 739  | 0.45   |
|   |  |   |  | SUMM                                    | IER SE   | EASON:   |   | 101.6  | 75.7   | 88.7   | U   | 2137  | 0.97   |   |  |   |  |   |  |  |
|   |  |   |  |   |  |  |   |  |  |  |   |   |  |   |  |   |  |   |  |  |
|   |  | SE  | PTEMBI   | ER                                      |  |  |   |  | 0  | СТОВЕ  | R   |   |  |   |  | NC  | VEMBE  | R   |  |  |
| Date  | MAX  | MIN   | AVG  | HDD                                     |  | PRCP   |   | MAX  | MIN  | AVG  | HDD   | CDD   | PRCP   |   | MAX  | MIN   | AVG  | HDD   |  | PRCP   |
| 1   | 99   | MIN 74  | AVG<br>86  | HDD<br>0                                | 21   | 0.02   | 1   | 88   | MIN<br>63  | <b>AVG</b> 75  | HDD<br>0  | 10  | 0.01   | 1   | 73   | MIN<br>49   | AVG<br>61  | HDD<br>6  | 1  | 0.01   |
|   |  | MIN   | AVG  | HDD                                     |  |  |   |  | MIN  | AVG  | HDD   |   |  |   |  | MIN   | AVG  | HDD   |  |  |
| 1 2   | 99<br>98   | 74<br>73  | 86<br>86   | 0<br>0                                  | 21<br>20   | 0.02   | 1<br>2  | 88<br>88   | 63<br>63   | 75<br>75   | 0<br>0  | 10<br>10  | 0.01   | 1 2   | 73<br>72   | MIN<br>49<br>49   | 61<br>61   | 6<br>6  | 1<br>1   | 0.01   |
| 1<br>2<br>3   | 99<br>98<br>98<br>98<br>97   | 74<br>73<br>73<br>73<br>73<br>72  | 86<br>86<br>85<br>85<br>85   | 0<br>0<br>0                             | 21<br>20<br>20<br>20<br>20   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3   | 88<br>88<br>87<br>87   | 63<br>63<br>62<br>62<br>61   | 75<br>75<br>75<br>75<br>74<br>74   | 0<br>0<br>0<br>0<br>0   | 10<br>10<br>9   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01                         | 1<br>2<br>3<br>4<br>5   | 73<br>72<br>72<br>71<br>71   | MIN<br>49<br>49<br>49<br>48<br>48   | 61<br>61<br>60<br>60<br>59   | 6<br>6<br>6<br>7<br>7   | 1<br>1<br>1  | 0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5   | 99<br>98<br>98<br>98<br>97   | MIN  74  73  73  73  72  72   | 86<br>86<br>85<br>85<br>85<br>85   | 0<br>0<br>0<br>0<br>0                   | 21<br>20<br>20<br>20<br>20<br>19   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5   | 88<br>88<br>87<br>87<br>86<br>86   | 63<br>63<br>62<br>62<br>61<br>61   | 75<br>75<br>75<br>75<br>74<br>74<br>73   | 0<br>0<br>0<br>0<br>0   | 10<br>10<br>9<br>9<br>8   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01                         | 1<br>2<br>3<br>4<br>5   | 73<br>72<br>72<br>71<br>71<br>70   | MIN 49 49 49 48 48 47   | 61<br>61<br>60<br>60<br>59<br>59   | 6<br>6<br>6<br>7<br>7<br>7  | 1<br>1<br>1<br>1<br>0<br>0   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7   | 99<br>98<br>98<br>98<br>97<br>97   | MIN  74  73  73  73  72  72  72   | 86<br>86<br>85<br>85<br>85<br>85<br>85   | 0<br>0<br>0<br>0<br>0<br>0              | 21<br>20<br>20<br>20<br>19<br>19   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7   | 88<br>88<br>87<br>87<br>86<br>86<br>85   | 63<br>63<br>62<br>62<br>61<br>61<br>60   | 75<br>75<br>75<br>74<br>74<br>73<br>73   | 0<br>0<br>0<br>0<br>0<br>0  | 10<br>10<br>9<br>9<br>8<br>8  | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01                 | 1<br>2<br>3<br>4<br>5<br>6<br>7   | 73<br>72<br>72<br>71<br>71<br>70<br>70                                     | MIN 49 49 49 48 48 47 47  | AVG 61 60 60 59 59 58  | 6<br>6<br>6<br>7<br>7<br>7<br>8   | 1<br>1<br>1<br>1<br>0<br>0   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8  | 99<br>98<br>98<br>98<br>97<br>97<br>97   | MIN  74  73  73  73  72  72  72  71   | 86<br>86<br>85<br>85<br>85<br>85<br>84<br>84   | HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 21<br>20<br>20<br>20<br>19<br>19<br>19   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8  | 88<br>88<br>87<br>87<br>86<br>86<br>85   | 63<br>63<br>62<br>62<br>61<br>61<br>60<br>60   | 75<br>75<br>75<br>74<br>74<br>73<br>73<br>72   | 0<br>0<br>0<br>0<br>0<br>0<br>0   | 10<br>10<br>9<br>9<br>8<br>8<br>8   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01         | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8  | 73<br>72<br>72<br>71<br>71<br>70<br>70                                     | MIN 49 49 49 48 48 47 47  | AVG 61 61 60 60 59 59 58 58  | 6<br>6<br>6<br>7<br>7<br>7<br>8<br>8  | 1<br>1<br>1<br>1<br>0<br>0<br>0  | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8  | 99<br>98<br>98<br>98<br>97<br>97<br>97<br>96   | MIN  74  73  73  73  72  72  72  71  71   | 86<br>86<br>85<br>85<br>85<br>85<br>84<br>84   | HDD<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 21<br>20<br>20<br>20<br>19<br>19<br>19<br>18   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | 88<br>88<br>87<br>87<br>86<br>86<br>85<br>85<br>84   | 63<br>63<br>62<br>62<br>61<br>61<br>60<br>60   | 75<br>75<br>75<br>74<br>74<br>73<br>73<br>72<br>72   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 10<br>10<br>9<br>9<br>8<br>8<br>8<br>7<br>7   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8  | 73<br>72<br>72<br>71<br>71<br>70<br>70<br>69<br>69                         | MIN 49 49 49 48 47 47 47 46   | AVG 61 60 60 59 58 58 57   | 6<br>6<br>6<br>7<br>7<br>7<br>8<br>8<br>9   | 1<br>1<br>1<br>1<br>0<br>0<br>0<br>0   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | 99<br>98<br>98<br>97<br>97<br>97<br>96<br>96   | MIN  74  73  73  73  72  72  72  71  71   | 86<br>86<br>85<br>85<br>85<br>85<br>84<br>84<br>84<br>84   | HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 21<br>20<br>20<br>20<br>19<br>19<br>19<br>18<br>18   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | 88<br>88<br>87<br>87<br>86<br>86<br>85<br>85<br>84   | MIN 63 63 62 62 61 61 60 60 59   | AVG  75  75  74  74  73  73  72  72  72  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                 | 10<br>10<br>9<br>9<br>8<br>8<br>8   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9   | 73<br>72<br>72<br>71<br>71<br>70<br>70<br>69<br>69<br>68                   | MIN 49 49 48 48 47 47 47 46 46  | AVG 61 60 60 59 59 58 58 57 57   | HDD<br>6<br>6<br>6<br>7<br>7<br>7<br>8<br>8<br>9<br>9                             | 1<br>1<br>1<br>1<br>0<br>0<br>0  | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8  | 99<br>98<br>98<br>98<br>97<br>97<br>97<br>96   | MIN  74  73  73  73  72  72  72  71  71   | 86<br>86<br>85<br>85<br>85<br>85<br>84<br>84   | HDD<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 21<br>20<br>20<br>20<br>19<br>19<br>19<br>18   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | 88<br>88<br>87<br>87<br>86<br>86<br>85<br>85<br>84   | 63<br>63<br>62<br>62<br>61<br>61<br>60<br>60   | 75<br>75<br>75<br>74<br>74<br>73<br>73<br>72<br>72   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | 10<br>10<br>9<br>9<br>8<br>8<br>8<br>7<br>7   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | 73<br>72<br>72<br>71<br>71<br>70<br>70<br>69<br>69                         | MIN 49 49 49 48 47 47 47 46   | AVG 61 60 60 59 58 58 57   | 6<br>6<br>6<br>7<br>7<br>7<br>8<br>8<br>9   | 1<br>1<br>1<br>1<br>0<br>0<br>0<br>0<br>0  | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10   | 99<br>98<br>98<br>98<br>97<br>97<br>97<br>96<br>96<br>96   | MIN  74  73  73  73  72  72  72  71  71  71  70  70   | 86<br>86<br>85<br>85<br>85<br>85<br>84<br>84<br>84<br>83<br>83<br>83   | HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 21<br>20<br>20<br>20<br>19<br>19<br>19<br>18<br>18   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13   | 88<br>88<br>87<br>87<br>86<br>86<br>85<br>85<br>84<br>84<br>83   | 63<br>63<br>62<br>62<br>61<br>61<br>60<br>60<br>60<br>59                               | AVG  75  75  75  74  74  73  73  72  72  72  71  71  70  | HDD 0 0 0 0 0 0 0 0 1 1 1 1   | 10<br>10<br>9<br>8<br>8<br>8<br>7<br>7<br>7<br>7<br>6<br>6  | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13   | 73<br>72<br>72<br>71<br>71<br>70<br>70<br>69<br>69<br>68<br>68<br>67       | 49<br>49<br>49<br>48<br>47<br>47<br>47<br>46<br>46                        | AVG 61 60 60 59 59 58 58 57 57   | HDD<br>6<br>6<br>6<br>7<br>7<br>7<br>8<br>8<br>9<br>9                             | 1<br>1<br>1<br>1<br>0<br>0<br>0<br>0<br>0<br>0   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14   | 99<br>98<br>98<br>97<br>97<br>97<br>96<br>96<br>96<br>95<br>95   | MIN  74  73  73  73  72  72  72  71  71  70  70  70   | 86<br>86<br>85<br>85<br>85<br>85<br>84<br>84<br>83<br>83<br>83<br>82<br>82   | HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 21<br>20<br>20<br>20<br>19<br>19<br>18<br>18<br>18<br>17<br>17   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14   | 88<br>88<br>87<br>87<br>86<br>86<br>85<br>85<br>84<br>84<br>83<br>83<br>82<br>82   | MIN 63 63 62 62 61 61 60 60 59 59 58 58  | AVG  75  75  74  74  73  72  72  72  71  71  70  70  | HDD 0 0 0 0 0 0 0 1 1 1 1 1 1   | 10<br>10<br>9<br>8<br>8<br>8<br>7<br>7<br>7<br>7<br>6<br>6<br>5   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14   | 73 72 72 71 71 70 70 69 68 68 67 66  | MIN  49 49 48 48 47 47 47 46 46 45 45 44                                  | AVG 61 61 60 60 59 59 58 58 57 57 57 56 56 55                                  | HDD  6 6 6 7 7 7 8 8 9 9 10 10 10   | 1<br>1<br>1<br>1<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | 99<br>98<br>98<br>97<br>97<br>97<br>96<br>96<br>95<br>95<br>95   | MIN  74  73  73  73  72  72  71  71  71  70  70  69   | AVG  86 85 85 85 84 84 84 84 82 82   | HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 21<br>20<br>20<br>20<br>19<br>19<br>18<br>18<br>18<br>17<br>17   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | 88<br>88<br>87<br>87<br>86<br>86<br>85<br>85<br>84<br>84<br>83<br>83<br>82<br>82<br>81   | MIN 63 63 62 62 61 61 60 60 59 59 58 58 57 57  | AVG  75  75  74  74  73  72  72  71  70  70  69  | HDD 0 0 0 0 0 0 0 0 0 1 1 1 1 1   | 10<br>10<br>9<br>8<br>8<br>8<br>7<br>7<br>7<br>6<br>6<br>5<br>5   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | 73 72 72 71 71 70 70 69 68 68 67 67 66 66                                  | MIN  49 49 48 48 47 47 47 46 46 45 45 44                                  | AVG 61 61 60 60 59 58 58 57 57 57 56 56 55 55                                  | HDD  6 6 6 7 7 7 8 8 9 9 10 10 10 11  | 1<br>1<br>1<br>1<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                                    | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | 99<br>98<br>98<br>97<br>97<br>97<br>96<br>96<br>96<br>95<br>95<br>95<br>94   | MIN  74  73  73  73  72  72  71  71  71  70  70  69  69   | AVG  86 86 85 85 85 84 84 84 82 82 82  | HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 21<br>20<br>20<br>20<br>19<br>19<br>18<br>18<br>18<br>17<br>17<br>17   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16   | 88<br>88<br>87<br>87<br>86<br>86<br>85<br>85<br>84<br>84<br>83<br>82<br>82<br>81<br>81   | MIN 63 63 62 62 61 61 60 60 59 58 57 57  | AVG  75 75 75 74 74 73 73 72 72 72 71 71 70 70 69 69   | HDD 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1   | 10<br>10<br>9<br>8<br>8<br>8<br>7<br>7<br>7<br>7<br>6<br>6<br>5<br>5  | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | 73 72 72 71 71 70 70 69 68 68 67 66 66 66                                  | MIN  49 49 48 48 47 47 46 46 45 45 44 44                                  | AVG 61 61 60 60 59 58 58 57 57 56 56 55 55                                     | 6<br>6<br>6<br>7<br>7<br>7<br>8<br>8<br>9<br>9<br>9<br>10<br>10<br>10<br>11       | 1<br>1<br>1<br>1<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | 99<br>98<br>98<br>97<br>97<br>97<br>96<br>96<br>95<br>95<br>95<br>94<br>94   | MIN  74  73  73  73  72  72  71  71  71  70  70  69  69  68                                     | AVG  86 85 85 85 84 84 84 84 83 83 83 82 82 82 81 81   | HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 21<br>20<br>20<br>20<br>19<br>19<br>18<br>18<br>18<br>17<br>17<br>17<br>16<br>16   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16   | 88<br>87<br>87<br>86<br>86<br>85<br>85<br>84<br>84<br>83<br>83<br>82<br>82<br>81<br>81   | 63<br>63<br>62<br>62<br>61<br>61<br>60<br>60<br>59<br>59<br>58<br>57<br>57<br>57       | AVG  75  75  75  74  74  73  72  72  72  71  71  70  70  69  69  68  | HDD<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>1<br>1<br>1<br>1<br>1<br>1<br>2 | 10<br>10<br>9<br>8<br>8<br>8<br>7<br>7<br>7<br>6<br>6<br>5<br>5   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16   | 73 72 71 71 70 70 69 68 68 67 67 66 66 65 65                               | MIN  49 49 48 48 47 47 46 46 45 45 44 44 43                               | AVG 61 61 60 60 59 58 57 57 57 56 56 55 55 54                                  | HDD  6 6 7 7 7 8 8 9 9 10 10 10 11 11 11  | 1<br>1<br>1<br>1<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17   | 99<br>98<br>98<br>97<br>97<br>97<br>96<br>96<br>96<br>95<br>95<br>95<br>94<br>93   | MIN  74  73  73  72  72  72  71  71  70  70  69  69  68  68                                     | 86<br>86<br>85<br>85<br>85<br>85<br>84<br>84<br>83<br>83<br>82<br>82<br>82<br>81<br>81   | HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 21<br>20<br>20<br>29<br>19<br>19<br>18<br>18<br>18<br>17<br>17<br>17<br>16<br>16<br>15   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18   | 88<br>87<br>87<br>86<br>86<br>85<br>85<br>84<br>84<br>83<br>82<br>82<br>81<br>81<br>80   | MIN 63 63 62 62 61 61 60 60 59 59 58 58 57 57 57 56 56                                 | AVG  75  75  75  74  74  73  73  72  72  71  70  70  69  68  68  | HDD 0 0 0 0 0 0 0 0 1 1 1 1 1 1 2 2 2   | 10<br>10<br>9<br>8<br>8<br>8<br>7<br>7<br>7<br>6<br>6<br>5<br>5<br>4<br>4   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18   | 73 72 71 71 70 69 68 68 68 67 67 66 66 65 65                               | MIN  49 49 48 48 47 47 46 46 45 45 44 44 43 43                            | AVG 61 61 60 60 59 58 58 57 57 57 56 56 55 55 54 54                            | HDD  6 6 6 7 7 7 8 8 9 9 10 10 10 11 11 11 11                                     | 1<br>1<br>1<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19   | 99<br>98<br>98<br>97<br>97<br>97<br>96<br>96<br>95<br>95<br>95<br>94<br>94   | MIN  74  73  73  73  72  72  71  71  71  70  70  69  69  68                                     | AVG  86 85 85 85 84 84 84 84 83 83 83 82 82 82 81 81   | HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 21<br>20<br>20<br>20<br>19<br>19<br>18<br>18<br>18<br>17<br>17<br>17<br>16<br>16   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18   | 88<br>87<br>87<br>86<br>86<br>85<br>85<br>84<br>84<br>83<br>83<br>82<br>82<br>81<br>81   | 63<br>63<br>62<br>62<br>61<br>61<br>60<br>60<br>59<br>59<br>58<br>57<br>57<br>57       | AVG  75  75  75  74  74  73  72  72  72  71  71  70  70  69  69  68  | HDD 0 0 0 0 0 0 0 0 1 1 1 1 1 1 2 2 2 2   | 10<br>10<br>9<br>8<br>8<br>8<br>7<br>7<br>7<br>6<br>6<br>5<br>5   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19   | 73 72 71 71 70 70 69 68 68 67 67 66 66 65 65                               | MIN  49 49 48 48 47 47 46 46 45 45 44 44 43                               | AVG 61 61 60 60 59 58 57 57 57 56 56 55 55 54                                  | HDD  6 6 7 7 7 8 8 9 9 10 10 10 11 11 11  | 1<br>1<br>1<br>1<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17   | 99<br>98<br>98<br>98<br>97<br>97<br>96<br>96<br>96<br>95<br>95<br>94<br>94<br>93<br>93   | MIN  74  73  73  72  72  71  71  71  70  70  69  69  68  68  68                                 | AVG  86 85 85 85 85 84 84 84 83 83 82 82 82 81 81 81   | HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 21<br>20<br>20<br>29<br>19<br>19<br>18<br>18<br>18<br>17<br>17<br>17<br>16<br>16<br>15<br>15   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20   | 88<br>87<br>87<br>86<br>86<br>85<br>85<br>84<br>84<br>83<br>83<br>82<br>82<br>81<br>81<br>80<br>80   | MIN 63 63 62 62 61 61 60 60 59 58 58 57 57 57 56 56 55                                 | AVG  75 75 75 74 74 73 73 72 72 72 71 71 70 69 69 68 68 68 67  | HDD 0 0 0 0 0 0 0 0 1 1 1 1 1 1 2 2 2   | 10<br>10<br>9<br>8<br>8<br>8<br>7<br>7<br>7<br>7<br>6<br>6<br>5<br>5<br>4<br>4<br>4   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20   | 73 72 71 71 70 70 69 68 68 67 67 66 65 65 65                               | MIN  49 49 48 47 47 47 46 46 45 45 44 44 43 43 43                         | AVG 61 61 60 60 59 58 58 57 57 56 56 55 55 55 54 54 53                         | HDD  6 6 6 7 7 7 8 8 9 9 10 10 10 11 11 11 11 11                                  | 1<br>1<br>1<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20   | 99<br>98<br>98<br>98<br>97<br>97<br>96<br>96<br>96<br>95<br>95<br>94<br>93<br>93<br>93   | MIN  74  73  73  72  72  71  71  71  70  70  69  68  68  68  68                                 | 86<br>86<br>85<br>85<br>85<br>85<br>84<br>84<br>84<br>83<br>83<br>82<br>82<br>82<br>81<br>81<br>80<br>80   | HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 21<br>20<br>20<br>20<br>19<br>19<br>18<br>18<br>18<br>17<br>17<br>17<br>16<br>16<br>15<br>15<br>14<br>14   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21   | 88<br>87<br>87<br>86<br>86<br>85<br>85<br>84<br>84<br>83<br>83<br>82<br>82<br>81<br>81<br>80<br>80<br>79   | MIN 63 63 62 62 61 61 60 60 60 59 59 58 58 57 57 57 56 56 55                           | AVG  75 75 75 74 74 73 73 72 72 72 71 70 70 69 68 68 67 67   | HDD 0 0 0 0 0 0 0 1 1 1 1 1 1 2 2 2 2 2   | 10<br>10<br>9<br>8<br>8<br>8<br>7<br>7<br>7<br>7<br>6<br>6<br>5<br>5<br>4<br>4<br>4<br>4<br>4   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22   | 73 72 72 71 71 70 70 69 68 68 67 66 65 65 65 64 64                         | MIN  49 49 48 48 47 47 47 46 46 45 45 45 44 44 43 43 43                   | AVG 61 61 60 60 59 58 58 57 57 56 56 55 55 54 53 53                            | HDD  6 6 6 7 7 7 8 8 9 9 10 10 10 11 11 11 11 12 12                               | 1<br>1<br>1<br>1<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23   | 99<br>98<br>98<br>98<br>97<br>97<br>96<br>96<br>96<br>95<br>95<br>94<br>93<br>93<br>93<br>92<br>92<br>91                               | MIN  74  73  73  73  72  72  71  71  71  70  70  69  69  68  68  67  67  66  67                 | 86<br>86<br>85<br>85<br>85<br>85<br>84<br>84<br>84<br>83<br>83<br>82<br>82<br>82<br>81<br>81<br>80<br>80<br>79<br>79                                     | HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 21<br>20<br>20<br>20<br>19<br>19<br>19<br>18<br>18<br>18<br>17<br>17<br>17<br>16<br>16<br>15<br>15<br>14<br>14<br>14   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23   | 88<br>88<br>87<br>87<br>86<br>86<br>85<br>84<br>84<br>83<br>82<br>82<br>81<br>81<br>80<br>79<br>78<br>78   | MIN  63 63 62 62 61 61 60 60 59 59 58 58 57 57 57 56 56 55 54 54 53                    | AVG  75 75 75 74 74 73 73 72 72 72 71 71 70 69 69 68 68 67 67 66 66 65   | HDD 0 0 0 0 0 0 0 0 0 1 1 1 1 1 2 2 2 2 2 3 3 3                                     | 10<br>10<br>9<br>8<br>8<br>8<br>7<br>7<br>7<br>6<br>6<br>5<br>5<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>3<br>3<br>3   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23   | 73 72 72 71 71 70 70 69 68 67 66 65 65 65 64 64 63 63 63                   | MIN  49 49 48 48 47 47 47 46 45 45 44 44 43 43 43 42 42 41                | AVG 61 61 60 60 59 58 58 57 57 56 56 55 55 54 54 53 53 52 52                   | HDD  6 6 6 7 7 7 8 8 9 9 10 10 11 11 11 11 11 12 12 12 13 13                      | 1<br>1<br>1<br>1<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24                                     | 99<br>98<br>98<br>98<br>97<br>97<br>96<br>96<br>96<br>95<br>95<br>94<br>93<br>93<br>93<br>92<br>92<br>91<br>91                         | MIN  74  73  73  73  72  72  72  71  71  70  70  70  69  69  68  68  67  67  66  66  66         | 86<br>86<br>85<br>85<br>85<br>84<br>84<br>84<br>83<br>83<br>82<br>82<br>82<br>81<br>81<br>80<br>80<br>79<br>79<br>79<br>78                               | HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 21<br>20<br>20<br>20<br>19<br>19<br>18<br>18<br>18<br>17<br>17<br>17<br>16<br>16<br>15<br>15<br>14<br>14<br>14<br>13   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24   | 88<br>88<br>87<br>87<br>86<br>86<br>85<br>84<br>84<br>83<br>82<br>82<br>81<br>81<br>80<br>79<br>78<br>77   | MIN  63 63 62 62 61 61 60 60 59 58 58 57 57 57 56 55 54 54 53 53                       | AVG  75 75 75 74 74 73 73 72 72 72 71 70 70 69 69 68 68 67 67 66 66 65 65  | HDD  0 0 0 0 0 0 0 0 1 1 1 1 1 2 2 2 2 2 3 3 3 3 3                                  | 10<br>10<br>9<br>8<br>8<br>8<br>7<br>7<br>7<br>7<br>6<br>6<br>5<br>5<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>3<br>3<br>3<br>3<br>3<br>3<br>3  | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24   | 73 72 72 71 71 70 69 68 68 67 66 65 65 65 64 64 63 63 63 62                | MIN  49 49 48 48 47 47 47 46 46 45 45 44 44 43 43 43 42 42 41 41          | AVG 61 61 60 60 59 58 57 57 57 56 56 55 55 54 54 53 53 53 53 52 52 52          | HDD  6 6 6 7 7 7 8 8 9 9 10 10 11 11 11 11 12 12 12 13 13 13                      | 1<br>1<br>1<br>1<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25                               | 99<br>98<br>98<br>98<br>97<br>97<br>96<br>96<br>96<br>95<br>95<br>94<br>93<br>93<br>93<br>92<br>92<br>92<br>91<br>90                   | 74 73 73 73 72 72 72 71 71 71 70 70 69 68 68 68 67 67 66 66 65                                  | 86<br>86<br>85<br>85<br>85<br>85<br>84<br>84<br>83<br>83<br>82<br>82<br>82<br>81<br>81<br>80<br>80<br>79<br>79<br>79<br>79<br>78                         | HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 21<br>20<br>20<br>20<br>19<br>19<br>18<br>18<br>18<br>17<br>17<br>17<br>16<br>15<br>15<br>14<br>14<br>14<br>14<br>13<br>13   | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25   | 88<br>87<br>87<br>86<br>86<br>85<br>84<br>84<br>83<br>82<br>82<br>81<br>81<br>80<br>80<br>79<br>78<br>77<br>77   | MIN 63 63 62 62 61 60 60 59 59 58 57 57 56 56 55 54 54 53 53                           | AVG  75 75 75 74 74 73 73 72 72 71 71 70 69 68 68 67 67 66 66 65 65 65   | HDD  0 0 0 0 0 0 0 1 1 1 1 1 2 2 2 2 2 3 3 3 4                                      | 10<br>10<br>9<br>9<br>8<br>8<br>8<br>7<br>7<br>7<br>6<br>6<br>5<br>5<br>4<br>4<br>4<br>4<br>4<br>4<br>3<br>3<br>3<br>3<br>3<br>3<br>3   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25   | 73 72 72 71 71 70 69 68 68 67 67 66 65 65 65 64 64 63 63 63 62 62          | MIN  49 49 48 47 47 46 46 45 45 44 44 43 43 43 42 42 41 41                | AVG 61 61 60 60 59 58 57 57 57 56 56 55 55 54 54 53 53 53 52 52 51             | HDD  6 6 6 7 7 7 8 8 9 9 9 10 10 10 11 11 11 12 12 12 13 13 13 13 14              | 1<br>1<br>1<br>1<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26                         | 99<br>98<br>98<br>98<br>97<br>97<br>96<br>96<br>96<br>95<br>95<br>94<br>93<br>93<br>93<br>92<br>92<br>91<br>90<br>90                   | 74 73 73 73 72 72 72 71 71 71 70 70 69 69 68 68 68 67 67 67 66 65 65                            | 86<br>86<br>85<br>85<br>85<br>85<br>84<br>84<br>84<br>83<br>83<br>82<br>82<br>82<br>81<br>81<br>80<br>80<br>79<br>79<br>79<br>78<br>78                   | HDD 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 21<br>20<br>20<br>20<br>19<br>19<br>18<br>18<br>18<br>17<br>17<br>17<br>16<br>16<br>15<br>15<br>14<br>14<br>14<br>14<br>14<br>13<br>12<br>12                         | 0.02<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26   | 88<br>87<br>87<br>86<br>86<br>85<br>85<br>84<br>84<br>83<br>82<br>82<br>81<br>81<br>80<br>80<br>79<br>78<br>77<br>77<br>76<br>76                                 | MIN  63 63 62 62 61 61 60 60 59 58 58 57 57 57 56 56 55 54 54 53 53 53                 | AVG  75 75 75 74 74 73 73 72 72 72 71 71 70 69 69 68 68 67 67 66 65 65 65 65   | HDD  0 0 0 0 0 0 0 1 1 1 1 1 1 2 2 2 2 2 3 3 3 4 4                                  | 10<br>10<br>9<br>9<br>8<br>8<br>8<br>7<br>7<br>7<br>7<br>6<br>6<br>5<br>5<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3   | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26   | 73 72 72 71 71 70 69 68 68 67 66 65 65 65 64 64 63 63 63 62 62 62          | MIN  49 49 48 48 47 47 46 46 45 45 44 44 43 43 43 42 42 41 41 40          | AVG 61 61 60 60 59 58 58 57 57 56 56 55 55 54 54 53 53 53 52 52 51 51          | HDD  6 6 6 7 7 7 8 8 9 9 10 10 10 11 11 11 11 12 12 12 12 13 13 13 14 14          | 1<br>1<br>1<br>1<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01<br>0.01   |
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### CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: LAS VEGAS AP LAS NEVADA Station Number: 264436

Latitude: 36 B 04 \* 44 ( Longitude: -115 B 09 \* 19 ( Elevation (feet): 2127

Climate Division: NV 04 Extreme Southern Page 3 of 3

| PRECIPITATION PROBABILITIES |      |      |      |      |      |      |      |      |      |      |      |       |        |
|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|
| Probability                 | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC A | ANNUAL |
| 0.005                       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.97   |
| 0.010                       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 1.15   |
| 0.050                       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 1.77   |
| 0.100                       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 2.19   |
| 0.200                       | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01  | 2.78   |
| 0.300                       | 0.06 | 0.09 | 0.04 | 0.01 | 0.01 | 0.00 | 0.04 | 0.07 | 0.00 | 0.00 | 0.01 | 0.05  | 3.26   |
| 0.400                       | 0.16 | 0.18 | 0.13 | 0.03 | 0.06 | 0.00 | 0.10 | 0.15 | 0.02 | 0.04 | 0.07 | 0.10  | 3.72   |
| 0.500                       | 0.29 | 0.31 | 0.26 | 0.06 | 0.12 | 0.00 | 0.19 | 0.24 | 0.09 | 0.08 | 0.14 | 0.18  | 4.19   |
| 0.600                       | 0.46 | 0.50 | 0.43 | 0.11 | 0.20 | 0.01 | 0.32 | 0.37 | 0.19 | 0.16 | 0.24 | 0.29  | 4.70   |
| 0.700                       | 0.69 | 0.76 | 0.67 | 0.17 | 0.29 | 0.06 | 0.49 | 0.53 | 0.33 | 0.26 | 0.37 | 0.45  | 5.28   |
| 0.800                       | 1.02 | 1.15 | 1.03 | 0.26 | 0.42 | 0.13 | 0.75 | 0.76 | 0.54 | 0.41 | 0.55 | 0.68  | 6.03   |
| 0.900                       | 1.62 | 1.89 | 1.66 | 0.43 | 0.65 | 0.26 | 1.22 | 1.17 | 0.92 | 0.68 | 0.88 | 1.11  | 7.16   |
| 0.950                       | 2.23 | 2.66 | 2.31 | 0.61 | 0.88 | 0.40 | 1.71 | 1.59 | 1.30 | 0.97 | 1.21 | 1.56  | 8.20   |
| 0.990                       | 3.68 | 4.54 | 3.85 | 1.02 | 1.41 | 0.74 | 2.88 | 2.57 | 2.21 | 1.66 | 1.98 | 2.65  | 10.39  |
| 0.995                       | 4.32 | 5.37 | 4.53 | 1.20 | 1.64 | 0.89 | 3.39 | 2.99 | 2.60 | 1.96 | 2.31 | 3.13  | 11.28  |

|       | PRECIPITATION QUINTILES |      |      |      |      |      |      |      |      |      |      |      |  |
|-------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|--|
| Level | JAN                     | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  |  |
| 0 <   | 0.00                    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
| 1     | 0.00                    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |  |
|       | 0.00                    | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 |  |
| 2     | 0.01                    | 0.04 | 0.01 | 0.01 | 0.01 | 0.00 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | 0.02 |  |
|       | 0.16                    | 0.18 | 0.13 | 0.03 | 0.06 | 0.00 | 0.10 | 0.15 | 0.02 | 0.04 | 0.07 | 0.10 |  |
| 3     | 0.17                    | 0.19 | 0.14 | 0.04 | 0.07 | 0.01 | 0.11 | 0.16 | 0.03 | 0.05 | 0.08 | 0.11 |  |
|       | 0.46                    | 0.50 | 0.43 | 0.11 | 0.20 | 0.01 | 0.32 | 0.37 | 0.19 | 0.16 | 0.24 | 0.29 |  |
| 4     | 0.47                    | 0.51 | 0.44 | 0.12 | 0.21 | 0.02 | 0.33 | 0.38 | 0.20 | 0.17 | 0.25 | 0.30 |  |
|       | 1.02                    | 1.15 | 1.03 | 0.26 | 0.42 | 0.13 | 0.75 | 0.76 | 0.54 | 0.41 | 0.55 | 0.68 |  |
| 5     | 1.03                    | 1.16 | 1.04 | 0.27 | 0.43 | 0.14 | 0.76 | 0.77 | 0.55 | 0.42 | 0.56 | 0.69 |  |
|       | 3.00                    | 2.89 | 4.80 | 0.76 | 0.90 | 0.97 | 2.48 | 2.12 | 2.06 | 1.22 | 1.80 | 1.71 |  |
| 6 >   | 3.00                    | 2.89 | 4.80 | 0.76 | 0.90 | 0.97 | 2.48 | 2.12 | 2.06 | 1.22 | 1.80 | 1.71 |  |

#### Abbreviations:

MAX = Maximum Temperature (degrees Fahrenheit)
MIN = Minimum Temperature (degrees Fahrenheit)
AVG = Average Temperature (degrees Fahrenheit)

#### NOTES

HDD = Heating Degree Days (base 65) CDD = Cooling Degree Days (base 65) PRCP = Precipitation Amount (inches) MTH = Monthly Means / Totals SEASON = Seasonal Means / Totals ANNUAL = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record adjusted to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

#### Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, ..., December, January, ..., December, January, ..., June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (\*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

### Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches of precipitation in that month. It also means that, on average, 8 out of 10 years will have more than 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

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